Appendix N

Data Usability Summary Reports (DUSRs) – Post-Excavation Documentation Sampling

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

April 27, 2023

Mr. Nick Carlo
Project Manager
ECC Horizon
NY/NJ Metro Regional Office
One Emery Avenue, Unit 2
Randolph, New Jersey 07869

Re: Data Usability Summary Reports
Bridge Cleaners, NY
February-March 2023 Soil Sampling Events

Dear Mr. Carlo:

The data usability summary reports (DUSRs) and supporting documentation for February-March 2023 soil sampling events are attached to this letter for the Bridge Cleaners site. The data for Alpha Analytical Labs SDG numbers L2305912, L2306838, L2308387, and L2313422 are mostly acceptable, with some issues that are identified in the DUSRs and validation summaries. There are data that were rejected, unusable (R) in data packs L2305912 and L2313422. The reasons for rejecting data are outlined in the DUSRs and QA/QC reviews. The data is rejected based solely on the validation guidance criteria. The rejected data may be determined to be acceptable to the user based on additional information that is not contained in the data validation criteria.

A list of data validation acronyms and qualifiers is attached to assist you in interpreting the data validation reviews. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist ECC Horizon.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

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L2305912

ALPHA GEOSCIENCE

Geology

Hydrology

Remediation

Water Supply

Data Usability Summary Report
for Alpha Analytical Labs
SDG Number: L2305912

1 Soil Sample, 1 Field Blank,
and 1 Trip Blank
Collected February 2, 2023

Prepared by: Donald Anné
April 27, 2023

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of volatile results for 1 soil sample, 1 field blank, and 1 trip blank.

The overall performances of the analyses are acceptable. Alpha Analytical Labs did fulfill the requirements of the analytical method.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The "not detected" results for 1,4-dioxane were qualified as "rejected, unusable" (R) for the trip and field blanks because the RRF for 1,4-dioxane was below the allowable minimum in the associated continuing calibration.

All data that are not qualified rejected (R) are considered usable. Detailed information on data quality is included in the data validation review.

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Qualified Data Section

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2305912
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2305912-01	Date Collected	: 02/02/23 09:40
Client ID	: PX-NE	Date Received	: 02/02/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/06/23 15:32
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: V11230206A17	Instrument ID	: VOA111
Sample Amount	: 4.3 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 87
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	6.7	3.1	U
75-34-3	1,1-Dichloroethane	ND	1.3	0.19	U
67-66-3	Chloroform	ND	2.0	0.19	U
56-23-5	Carbon tetrachloride	ND	1.3	0.31	U
78-87-5	1,2-Dichloropropane	ND	1.3	0.17	U
124-48-1	Dibromochloromethane	ND	1.3	0.19	U
79-00-5	1,1,2-Trichloroethane	ND	1.3	0.36	U
127-18-4	Tetrachloroethene	11	0.67	0.26	
108-90-7	Chlorobenzene	ND	0.67	0.17	U
75-69-4	Trichlorofluoromethane	ND	5.4	0.93	U
107-06-2	1,2-Dichloroethane	ND	1.3	0.34	U
71-55-6	1,1,1-Trichloroethane	ND	0.67	0.22	U
75-27-4	Bromodichloromethane	ND	0.67	0.15	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.3	0.37	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.67	0.21	U
542-75-6	1,3-Dichloropropene, Total	ND	0.67	0.21	U
563-58-6	1,1-Dichloropropene	ND	0.67	0.21	U
75-25-2	Bromoform	ND	5.4	0.33	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.67	0.22	U
71-43-2	Benzene	ND	0.67	0.22	U
108-88-3	Toluene	1.2	1.3	0.73	J
100-41-4	Ethylbenzene	ND	1.3	0.19	U
74-87-3	Chloromethane	ND	5.4	1.2	U
74-83-9	Bromomethane	ND	2.7	0.78	U
75-01-4	Vinyl chloride	ND	1.3	0.45	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2305912
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2305912-01	Date Collected	: 02/02/23 09:40
Client ID	: PX-NE	Date Received	: 02/02/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/06/23 15:32
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: V11230206A17	Instrument ID	: VOA111
Sample Amount	: 4.3 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 87
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.7	0.61	U
75-35-4	1,1-Dichloroethene	ND	1.3	0.32	U
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.18	U
79-01-6	Trichloroethene	ND	0.67	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.7	0.19	U
541-73-1	1,3-Dichlorobenzene	ND	2.7	0.20	U
106-46-7	1,4-Dichlorobenzene	ND	2.7	0.23	U
1634-04-4	Methyl tert butyl ether	ND	2.7	0.27	U
179601-23-1	p/m-Xylene	ND	2.7	0.75	U
95-47-6	o-Xylene	ND	1.3	0.39	U
1330-20-7	Xylenes, Total	ND	1.3	0.39	U
156-59-2	cis-1,2-Dichloroethene	ND	1.3	0.24	U
540-59-0	1,2-Dichloroethene, Total	ND	1.3	0.18	U
74-95-3	Dibromomethane	ND	2.7	0.32	U
100-42-5	Styrene	ND	1.3	0.26	U
75-71-8	Dichlorodifluoromethane	ND	13	1.2	U
67-64-1	Acetone	ND	13	6.5	U
75-15-0	Carbon disulfide	ND	13	6.1	U
78-93-3	2-Butanone	ND	13	3.0	U
108-05-4	Vinyl acetate	ND	13	2.9	U
108-10-1	4-Methyl-2-pentanone	ND	13	1.7	U
96-18-4	1,2,3-Trichloropropane	ND	2.7	0.17	U
591-78-6	2-Hexanone	ND	13	1.6	U
74-97-5	Bromochloromethane	ND	2.7	0.28	U
594-20-7	2,2-Dichloropropane	ND	2.7	0.27	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2305912
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2305912-01	Date Collected	: 02/02/23 09:40
Client ID	: PX-NE	Date Received	: 02/02/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/06/23 15:32
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: V11230206A17	Instrument ID	: VOA111
Sample Amount	: 4.3 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 87
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.3	0.38	U
142-28-9	1,3-Dichloropropane	ND	2.7	0.22	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.67	0.18	U
108-86-1	Bromobenzene	ND	2.7	0.19	U
104-51-8	n-Butylbenzene	ND	1.3	0.22	U
135-98-8	sec-Butylbenzene	ND	1.3	0.20	U
98-06-6	tert-Butylbenzene	ND	2.7	0.16	U
95-49-8	o-Chlorotoluene	ND	2.7	0.26	U
106-43-4	p-Chlorotoluene	ND	2.7	0.14	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.0	1.3	U
87-68-3	Hexachlorobutadiene	ND	5.4	0.23	U
98-82-8	Isopropylbenzene	ND	1.3	0.15	U
99-87-6	p-Isopropyltoluene	ND	1.3	0.15	U
91-20-3	Naphthalene	ND	5.4	0.87	U
107-13-1	Acrylonitrile	ND	5.4	1.5	U
103-65-1	n-Propylbenzene	ND	1.3	0.23	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.7	0.43	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.7	0.36	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.7	0.26	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.7	0.45	U
123-91-1	1,4-Dioxane	ND	110	47.	U
105-05-5	p-Diethylbenzene	ND	2.7	0.24	U
622-96-8	p-Ethyltoluene	ND	2.7	0.52	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.7	0.26	U
60-29-7	Ethyl ether	ND	2.7	0.46	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2305912-01	**Date Collected**	: 02/02/23 09:40
Client ID	: PX-NE	**Date Received**	: 02/02/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/06/23 15:32
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: AJK
Lab File ID	: V11230206A17	**Instrument ID**	: VOA111
Sample Amount	: 4.3 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 87
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.7	1.9	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Compliance & Control,	Lab Number	: L2305912
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2305912-02	Date Collected	: 02/02/23 09:50
Client ID	: FIELD BLANK	Date Received	: 02/02/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/06/23 13:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22230206A13	Instrument ID	: VOA122
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	: Environmental Compliance & Control,	Lab Number	: L2305912
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2305912-02	Date Collected	: 02/02/23 09:50
Client ID	: FIELD BLANK	Date Received	: 02/02/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/06/23 13:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22230206A13	Instrument ID	: VOA122
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	0.70	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	: Environmental Compliance & Control,	Lab Number	: L2305912
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2305912-02	Date Collected	: 02/02/23 09:50
Client ID	: FIELD BLANK	Date Received	: 02/02/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/06/23 13:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22230206A13	Instrument ID	: VOA122
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	R
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	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2305912-02	**Date Collected**	: 02/02/23 09:50
Client ID	: FIELD BLANK	**Date Received**	: 02/02/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/06/23 13:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V22230206A13	**Instrument ID**	: VOA122
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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Compliance & Control,	Lab Number	: L2305912
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2305912-03	Date Collected	: 02/02/23 00:00
Client ID	: TRIP BLANK	Date Received	: 02/02/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/06/23 13:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22230206A14	Instrument ID	: VOA122
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	: Environmental Compliance & Control,	Lab Number	: L2305912
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2305912-03	Date Collected	: 02/02/23 00:00
Client ID	: TRIP BLANK	Date Received	: 02/02/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/06/23 13:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22230206A14	Instrument ID	: VOA122
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	0.70	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	: Environmental Compliance & Control,	Lab Number	: L2305912
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2305912-03	Date Collected	: 02/02/23 00:00
Client ID	: TRIP BLANK	Date Received	: 02/02/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/06/23 13:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22230206A14	Instrument ID	: VOA122
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	R
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	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2305912-03	**Date Collected**	: 02/02/23 00:00
Client ID	: TRIP BLANK	**Date Received**	: 02/02/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/06/23 13:27
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V22230206A14	**Instrument ID**	: VOA122
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

VOC Data Section

ALPHA GEOSCIENCE
Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8260C Volatiles Data
for Alpha Analytical, SDG Number: L2305912

1 Soil Sample, 1 Field Duplicate,
and 1 Trip Blank
Collected February 2, 2023

Prepared by: Donald Anné
April 27, 2023

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for acetone, 2-butanone, and 4-methyl-2-pentanone were below the method minimums, but not below 0.010 for VOA111 on 01-18-23. The average RRFs for compounds 14 (highlighted yellow on attached Form 6) were below the method minimums, but not below 0.010 for VOA122 on 01-24-23. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no average RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane and 0.010 for all others) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRF for acetone was below the method minimum, but not below 0.010 on 02-06-23 (V11230206A01). The RRFs for 17 compounds (highlighted yellow on attached Form 7) were below the method minimums, but not below 0.010 on 02-06-23 (V22230206A01). The %Ds for chloroethane and carbon disulfide were above the method maximum on 02-06-23 (V11230206A01). The %Ds for chlorodibromomethane and 2-hexanone were above the method maximum on 02-06-23 (V22230206A01). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRF for 1,4-dioxane was below the allowable minimum (0.001) on 02-06-23 (V22230206A01). Positive results for 1,4-dioxane should be considered estimated (J) and "not detected" results rejected, unusable (R) in associated samples.

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The %Ds for chloroethane and carbon disulfide were above the allowable maximum (20%) on 02-06-23 (V11230206A01). The %Ds for 1.4-dioxane, chlorodibromomethane, and 2-hexanone were above the allowable maximum (20%) on 02-06-23 (V22230206A01). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: Method blank WG1741518-5BLANK contained a trace of bromomethane (0.58 ug/kg). Positive results for bromomethane that are less than 5 times the method blank level should be considered not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil sample, field blank, and trip blank.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum and the percent recoveries (%Rs) were within QC limits for aqueous samples WG1741609-3/4.

The RPDs for target compounds were below the allowable maximum, but 2 of 2 %Rs for carbon disulfide were above the QC limits for soil samples WG1741518-3/4. Positive results for carbon disulfide should be considered estimated, biased high (J+) in associated soil samples.

Compound ID: Checked compounds and surrogates were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1741518-3 **Analysis Date** : 02/06/23 07:44	**File ID**	: V11230206A02
LCSD Sample ID	: WG1741518-4 **Analysis Date** : 02/06/23 08:11	**File ID**	: V11230206A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	40	37	91	40	35	86	6	70-130	30
1,1-Dichloroethane	40	42	106	40	40	100	6	70-130	30
Chloroform	40	42	105	40	40	100	5	70-130	30
Carbon tetrachloride	40	43	108	40	40	100	8	70-130	30
1,2-Dichloropropane	40	42	105	40	40	99	6	70-130	30
Dibromochloromethane	40	42	106	40	40	101	5	70-130	30
1,1,2-Trichloroethane	40	42	106	40	41	103	3	70-130	30
Tetrachloroethene	40	45	112	40	42	104	7	70-130	30
Chlorobenzene	40	41	104	40	40	99	5	70-130	30
Trichlorofluoromethane	40	46	115	40	42	104	10	70-139	30
1,2-Dichloroethane	40	40	100	40	38	96	4	70-130	30
1,1,1-Trichloroethane	40	44	109	40	41	102	7	70-130	30
Bromodichloromethane	40	41	103	40	39	99	4	70-130	30
trans-1,3-Dichloropropene	40	43	107	40	42	104	3	70-130	30
cis-1,3-Dichloropropene	40	43	106	40	41	101	5	70-130	30
1,1-Dichloropropene	40	44	110	40	41	102	8	70-130	30
Bromoform	40	40	100	40	40	99	1	70-130	30
1,1,2,2-Tetrachloroethane	40	42	106	40	41	102	4	70-130	30
Benzene	40	42	105	40	40	99	6	70-130	30
Toluene	40	42	106	40	40	100	6	70-130	30
Ethylbenzene	40	44	109	40	41	102	7	70-130	30
Chloromethane	40	42	106	40	39	98	8	52-130	30
Bromomethane	40	42	105	40	38	95	10	57-147	30
Vinyl chloride	40	45	113	40	41	103	9	67-130	30
Chloroethane	40	48	120	40	43	109	10	50-151	30
1,1-Dichloroethene	40	43	108	40	40	101	7	65-135	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1741518-3 **Analysis Date** : 02/06/23 07:44	**File ID**	: V11230206A02
LCSD Sample ID	: WG1741518-4 **Analysis Date** : 02/06/23 08:11	**File ID**	: V11230206A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	40	42	106	40	40	100	6	70-130	30
Trichloroethene	40	45	111	40	42	104	7	70-130	30
1,2-Dichlorobenzene	40	42	104	40	40	100	4	70-130	30
1,3-Dichlorobenzene	40	43	107	40	40	101	6	70-130	30
1,4-Dichlorobenzene	40	42	104	40	40	100	4	70-130	30
Methyl tert butyl ether	40	42	106	40	41	102	4	66-130	30
p/m-Xylene	80	89	112	80	84	105	6	70-130	30
o-Xylene	80	89	112	80	85	106	6	70-130	30
cis-1,2-Dichloroethene	40	41	102	40	39	98	4	70-130	30
Dibromomethane	40	41	103	40	40	99	4	70-130	30
Styrene	80	91	114	80	87	109	4	70-130	30
Dichlorodifluoromethane	40	42	105	40	38	95	10	30-146	30
Acetone	40	45	112	40	43	108	4	54-140	30
Carbon disulfide	40	71	178 Q	40	65	162 Q	9	59-130	30
2-Butanone	40	45	112	40	42	106	6	70-130	30
Vinyl acetate	40	45	112	40	43	108	4	70-130	30
4-Methyl-2-pentanone	40	39	98	40	38	94	4	70-130	30
1,2,3-Trichloropropane	40	42	106	40	40	100	6	68-130	30
2-Hexanone	40	45	112	40	43	108	4	70-130	30
Bromochloromethane	40	41	101	40	39	98	3	70-130	30
2,2-Dichloropropane	40	44	110	40	41	102	8	70-130	30
1,2-Dibromoethane	40	44	110	40	42	105	5	70-130	30
1,3-Dichloropropane	40	43	106	40	41	102	4	69-130	30
1,1,1,2-Tetrachloroethane	40	44	110	40	42	106	4	70-130	30
Bromobenzene	40	41	101	40	39	99	2	70-130	30
n-Butylbenzene	40	47	118	40	44	110	7	70-130	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1741518-3 **Analysis Date** : 02/06/23 07:44	**File ID**	: V11230206A02
LCSD Sample ID	: WG1741518-4 **Analysis Date** : 02/06/23 08:11	**File ID**	: V11230206A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
sec-Butylbenzene	40	46	115	40	43	106	8	70-130	30
tert-Butylbenzene	40	44	110	40	41	103	7	70-130	30
o-Chlorotoluene	40	42	106	40	40	101	5	70-130	30
p-Chlorotoluene	40	44	109	40	41	101	8	70-130	30
1,2-Dibromo-3-chloropropane	40	42	106	40	39	98	8	68-130	30
Hexachlorobutadiene	40	45	113	40	41	102	10	67-130	30
Isopropylbenzene	40	44	111	40	41	103	7	70-130	30
p-Isopropyltoluene	40	46	114	40	42	106	7	70-130	30
Naphthalene	40	43	108	40	41	102	6	70-130	30
Acrylonitrile	40	44	109	40	43	108	1	70-130	30
n-Propylbenzene	40	45	112	40	42	104	7	70-130	30
1,2,3-Trichlorobenzene	40	46	114	40	43	108	5	70-130	30
1,2,4-Trichlorobenzene	40	45	113	40	42	105	7	70-130	30
1,3,5-Trimethylbenzene	40	45	112	40	41	104	7	70-130	30
1,2,4-Trimethylbenzene	40	44	110	40	42	104	6	70-130	30
1,4-Dioxane	2000	2100	106	2000	2000	100	6	65-136	30
p-Diethylbenzene	40	46	115	40	43	107	7	70-130	30
p-Ethyltoluene	40	46	114	40	42	106	7	70-130	30
1,2,4,5-Tetramethylbenzene	40	45	112	40	42	104	7	70-130	30
Ethyl ether	40	46	114	40	43	108	5	67-130	30
trans-1,4-Dichloro-2-butene	40	48	120	40	46	115	4	70-130	30

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2305912
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1741518-5	Date Collected	: NA
Client ID	: WG1741518-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/06/23 09:07
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: NLK
Lab File ID	: V11230206A05	Instrument ID	: VOA111
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5.0	2.3	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	U
67-66-3	Chloroform	ND	1.5	0.14	U
56-23-5	Carbon tetrachloride	ND	1.0	0.23	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.12	U
124-48-1	Dibromochloromethane	ND	1.0	0.14	U
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.27	U
127-18-4	Tetrachloroethene	ND	0.50	0.20	U
108-90-7	Chlorobenzene	ND	0.50	0.13	U
75-69-4	Trichlorofluoromethane	ND	4.0	0.70	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.17	U
75-27-4	Bromodichloromethane	ND	0.50	0.11	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.27	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.16	U
563-58-6	1,1-Dichloropropene	ND	0.50	0.16	U
75-25-2	Bromoform	ND	4.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.17	U
108-88-3	Toluene	ND	1.0	0.54	U
100-41-4	Ethylbenzene	ND	1.0	0.14	U
74-87-3	Chloromethane	ND	4.0	0.93	U
74-83-9	Bromomethane	0.58	2.0	0.58	J
75-01-4	Vinyl chloride	ND	1.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2305912
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1741518-5	Date Collected	: NA
Client ID	: WG1741518-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/06/23 09:07
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: NLK
Lab File ID	: V11230206A05	Instrument ID	: VOA111
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.0	0.45	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.14	U
79-01-6	Trichloroethene	ND	0.50	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.56	U
95-47-6	o-Xylene	ND	1.0	0.29	U
1330-20-7	Xylenes, Total	ND	1.0	0.29	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
540-59-0	1,2-Dichloroethene, Total	ND	1.0	0.14	U
74-95-3	Dibromomethane	ND	2.0	0.24	U
100-42-5	Styrene	ND	1.0	0.20	U
75-71-8	Dichlorodifluoromethane	ND	10	0.92	U
67-64-1	Acetone	ND	10	4.8	U
75-15-0	Carbon disulfide	ND	10	4.6	U
78-93-3	2-Butanone	ND	10	2.2	U
108-05-4	Vinyl acetate	ND	10	2.2	U
108-10-1	4-Methyl-2-pentanone	ND	10	1.3	U
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.13	U
591-78-6	2-Hexanone	ND	10	1.2	U
74-97-5	Bromochloromethane	ND	2.0	0.20	U
594-20-7	2,2-Dichloropropane	ND	2.0	0.20	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2305912
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1741518-5	Date Collected	: NA
Client ID	: WG1741518-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/06/23 09:07
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: NLK
Lab File ID	: V11230206A05	Instrument ID	: VOA111
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	U
142-28-9	1,3-Dichloropropane	ND	2.0	0.17	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	U
108-86-1	Bromobenzene	ND	2.0	0.14	U
104-51-8	n-Butylbenzene	ND	1.0	0.17	U
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
95-49-8	o-Chlorotoluene	ND	2.0	0.19	U
106-43-4	p-Chlorotoluene	ND	2.0	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.0	1.0	U
87-68-3	Hexachlorobutadiene	ND	4.0	0.17	U
98-82-8	Isopropylbenzene	ND	1.0	0.11	U
99-87-6	p-Isopropyltoluene	ND	1.0	0.11	U
91-20-3	Naphthalene	ND	4.0	0.65	U
107-13-1	Acrylonitrile	ND	4.0	1.2	U
103-65-1	n-Propylbenzene	ND	1.0	0.17	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.32	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.27	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.33	U
123-91-1	1,4-Dioxane	ND	80	35.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.18	U
622-96-8	p-Ethyltoluene	ND	2.0	0.38	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.19	U
60-29-7	Ethyl ether	ND	2.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2305912
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1741518-5	Date Collected	: NA
Client ID	: WG1741518-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/06/23 09:07
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: NLK
Lab File ID	: V11230206A05	Instrument ID	: VOA111
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	1.4	U

Initial Calibration Summary
Form 6
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA111	**Ical Ref**	: ICAL19665
Calibration dates	: 01/18/23 11:38 01/18/23 16:33		

Calibration Files

L1 =V11230118A05.D L2 =V11230118A09.D L3 =V11230118A10.D L4 =V11230118A11.D L1.5=V11230118A07.D

L6 =V11230118A12.D L7 =V11230118A13.D L8 =V11230118A14.D L0 =V11230118A03.D

		Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------										
2)	TP	Dichlorodifluoromethane		0.264	0.161	0.188	0.241	0.249	0.272	0.262		0.234	18.19
3)	TP	Chloromethane	0.240	0.302	0.224	0.246	0.309	0.287	0.293	0.283		0.273	11.56
4)	TC	Vinyl chloride	0.263	0.402	0.273	0.293	0.381	0.365	0.368	0.347		0.337	15.67
5)	TP	Bromomethane	0.401	0.463	0.320	0.314	0.462	0.340	0.331	0.328		0.370	17.06
6)	TP	Chloroethane	0.107	0.175	0.133	0.146	0.151	0.187				0.150	19.13
7)	TP	Trichlorofluoromethane		0.351	0.231	0.265	0.314	0.355	0.396	0.414		*Q	0.9968
8)	TP	Ethyl ether	0.077	0.099	0.087	0.099	0.096	0.109	0.115	0.114		0.100	13.25
10)	TP	1,1-Dichloroethene	0.158	0.217	0.152	0.169	0.201	0.220	0.238	0.243		0.200	17.97
11)	TP	Carbon disulfide		0.490	0.334	0.362	0.526	0.452	0.480	0.482		0.446	15.98
12)	TP	Freon-113		0.231	0.150	0.168	0.207	0.235	0.262	0.261		*Q	0.9946
14)	TP	Acrolein			0.020	0.023		0.029	0.031	0.030		0.027	16.98
15)	TP	Methylene chloride	0.382	0.303	0.230	0.245	0.324	0.272	0.280	0.280		0.289	16.51
17)	TP	Acetone		0.077	0.054	0.061	0.087	0.068	0.066	0.062		0.068	16.03
18)	TP	trans-1,2-Dichloroethene	0.185	0.252	0.196	0.211	0.250	0.258	0.276	0.278		0.238	15.07
19)	TP	Methyl acetate		0.133	0.112	0.121	0.133	0.137	0.143	0.137		0.131	8.33
20)	TP	Methyl tert-butyl ether	0.553	0.553	0.472	0.531	0.551	0.596	0.623	0.615		0.562	8.77
21)	TP	tert-Butyl alcohol		0.022	0.019	0.022	0.018	0.025	0.025	0.024		0.022	11.99
22)	TP	Diisopropyl ether	0.665	0.743	0.627	0.714	0.727	0.806	0.838	0.824		0.743	10.22
23)	TC	1,1-Dichloroethane	0.376	0.451	0.363	0.396	0.444	0.461	0.481	0.475		0.431	10.67
24)	TP	Halothane		0.191	0.134	0.148	0.179	0.189	0.207	0.208		0.180	15.93
25)	TP	Acrylonitrile		0.056	0.050	0.057	0.040	0.065	0.067	0.064		0.057	16.55
26)	TP	Ethyl tert-butyl ether	0.668	0.702	0.621	0.701	0.704	0.798	0.835	0.831		0.732	10.81
27)	TP	Vinyl acetate		0.450	0.408	0.451	0.462	0.490	0.533	0.509		0.472	8.89
28)	TP	cis-1,2-Dichloroethene	0.230	0.271	0.228	0.252	0.274	0.292	0.305	0.307		0.270	11.52
29)	TP	2,2-Dichloropropane	0.297	0.381	0.276	0.300	0.378	0.380	0.406	0.402		0.353	14.83
30)	TP	Bromochloromethane	0.095	0.130	0.112	0.120	0.122	0.135	0.141	0.147		0.125	13.47
31)	TP	Cyclohexane		0.361	0.243	0.278	0.346	0.403	0.446	0.441		*Q	0.9935
32)	TC	Chloroform	0.387	0.469	0.389	0.415	0.467	0.489	0.504	0.512		0.454	11.05
33)	TP	Ethyl acetate		0.196	0.166	0.189		0.213	0.217	0.206		0.198	9.57
34)	TP	Carbon tetrachloride	0.237	0.339	0.229	0.256	0.322	0.341	0.379	0.382		0.310	19.91
35)	TP	Tetrahydrofuran		0.052	0.044	0.051		0.058	0.059	0.053		0.053	9.86
36)	S	Dibromofluoromethane	0.256	0.259	0.251	0.254	0.257	0.255	0.258	0.262	0.257	0.257	1.22
37)	TP	1,1,1-Trichloroethane	0.296	0.371	0.267	0.292	0.356	0.374	0.404	0.402	0.281	0.338	15.96
39)	TP	2-Butanone		0.091	0.074	0.085		0.097	0.094	0.088		0.088	9.28
40)	TP	1,1-Dichloropropene	0.227	0.307	0.219	0.251	0.309	0.328	0.353	0.350	0.201	*Q	0.9959

Initial Calibration Summary
Form 6
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA111	**Ical Ref**	: ICAL19665
Calibration dates	: 01/18/23 11:38 01/18/23 16:33		

Calibration Files

L1 =V11230118A05.D L2 =V11230118A09.D L3 =V11230118A10.D L4 =V11230118A11.D L1.5=V11230118A07.D

L6 =V11230118A12.D L7 =V11230118A13.D L8 =V11230118A14.D L0 =V11230118A03.D

		Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
41)	TP	Benzene	0.844	0.999	0.798	0.868	1.001	1.013	1.062	1.060	0.860	0.945	10.74
42)	TP	tert-Amyl methyl ether	0.628	0.643	0.563	0.648	0.641	0.731	0.759	0.746		0.670	10.20
43)	S	1,2-Dichloroethane-d4	0.260	0.255	0.252	0.251	0.253	0.252	0.254	0.255	0.257	0.254	1.10
44)	TP	1,2-Dichloroethane	0.320	0.328	0.274	0.303	0.332	0.333	0.340	0.332		0.320	6.78
47)	TP	Methyl cyclohexane	0.272	0.377	0.261	0.300	0.359	0.440	0.492	0.495		*Q	0.9941
48)	TP	Trichloroethene	0.189	0.261	0.198	0.220	0.257	0.275	0.296	0.302	0.183	0.242	18.92
50)	TP	Dibromomethane	0.130	0.149	0.130	0.146	0.152	0.163	0.170	0.167		0.151	10.12
51)	TC	1,2-Dichloropropane	0.194	0.257	0.217	0.240	0.250	0.270	0.280	0.274		0.248	12.00
53)	TP	2-Chloroethyl vinyl ether		0.088	0.076	0.091	0.080	0.110	0.118	0.114		0.097	17.67
54)	TP	Bromodichloromethane	0.325	0.355	0.299	0.333	0.362	0.377	0.392	0.388	0.288	0.347	10.88
57)	TP	1,4-Dioxane		0.002	0.002	0.002	0.001	0.002	0.002	0.002		*L	0.9993
58)	TP	cis-1,3-Dichloropropene	0.362	0.399	0.344	0.390	0.387	0.442	0.463	0.459	0.302	0.394	13.70
59)	I	Chlorobenzene-d5	----------ISTD----------										
60)	S	Toluene-d8	1.315	1.307	1.321	1.296	1.299	1.294	1.271	1.271	1.294	1.296	1.33
61)	TC	Toluene	0.669	0.790	0.642	0.693	0.809	0.836	0.868	0.876		0.773	11.92
62)	TP	4-Methyl-2-pentanone		0.076	0.075	0.090	0.056	0.104	0.106	0.103		*L	0.9975
63)	TP	Tetrachloroethene	0.214	0.308	0.236	0.254	0.305	0.337	0.361	0.373	0.222	*Q	0.9971
65)	TP	trans-1,3-Dichloropropene	0.431	0.474	0.415	0.466	0.458	0.530	0.539	0.533		0.481	10.01
67)	TP	Ethyl methacrylate	0.313	0.310	0.288	0.334	0.308	0.388	0.406	0.400		0.343	13.68
68)	TP	1,1,2-Trichloroethane	0.207	0.228	0.201	0.223	0.234	0.246	0.251	0.247		0.230	8.11
69)	TP	Chlorodibromomethane	0.303	0.326	0.284	0.313	0.325	0.359	0.370	0.368	0.265	0.324	11.41
70)	TP	1,3-Dichloropropane	0.434	0.465	0.406	0.447	0.464	0.505	0.504	0.490		0.464	7.50
71)	TP	1,2-Dibromoethane	0.219	0.270	0.236	0.258	0.264	0.294	0.302	0.294	0.189	0.258	14.69
72)	TP	2-Hexanone	0.136	0.167	0.141	0.168	0.150	0.196	0.194	0.182		0.167	13.82
73)	TP	Chlorobenzene	0.775	0.915	0.776	0.841	0.945	0.974	1.005	1.013	0.884	0.903	10.08
74)	TC	Ethylbenzene	1.221	1.434	1.191	1.304	1.501	1.629	1.691	1.680		1.456	13.90
75)	TP	1,1,1,2-Tetrachloroethane	0.279	0.319	0.278	0.306	0.308	0.356	0.365	0.366	0.208	0.309	16.49
76)	TP	p/m Xylene	0.471	0.536	0.462	0.511	0.537	0.633	0.666	0.688	0.488	0.555	15.48
77)	TP	o Xylene	0.454	0.517	0.457	0.500	0.520	0.616	0.647	0.659	0.455	0.536	15.50
78)	TP	Styrene	0.735	0.842	0.778	0.877	0.834	1.070	1.107	1.120	0.785	0.905	16.74
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------										
80)	TP	Bromoform	0.319	0.361	0.332	0.380	0.369	0.439	0.484	0.515		0.400	17.93
82)	TP	Isopropylbenzene	2.189	2.621	2.192	2.358	2.702	3.000	3.226	3.386		2.709	16.96
83)	S	4-Bromofluorobenzene	0.857	0.837	0.844	0.826	0.834	0.829	0.833	0.856	0.874	0.843	1.90
84)	TP	Bromobenzene	0.628	0.721	0.621	0.668	0.722	0.760	0.807	0.844		0.721	11.18
85)	TP	n-Propylbenzene	2.891	3.239	2.712	2.945	3.457	3.726	3.979	4.142		3.386	15.63

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2305912**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA111**	**Ical Ref**	**: ICAL19665**
Calibration dates	**: 01/18/23 11:38 01/18/23 16:33**		

Calibration Files

L1 =V11230118A05.D L2 =V11230118A09.D L3 =V11230118A10.D L4 =V11230118A11.D L1.5=V11230118A07.D

L6 =V11230118A12.D L7 =V11230118A13.D L8 =V11230118A14.D L0 =V11230118A03.D

	Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
86) TP	1,4-Dichlorobutane	0.793	0.830	0.692	0.770	0.828	0.870	0.895	0.905		0.823	8.58
87) TP	1,1,2,2-Tetrachloroethane	0.701	0.711	0.594	0.641	0.706	0.711	0.736	0.727	0.582	0.679	8.55
88) TP	4-Ethyltoluene	2.200	2.587	2.254	2.430	2.732	3.019	3.184	3.307		2.714	15.50
89) TP	2-Chlorotoluene	1.809	1.922	1.690	1.784	2.097	2.102	2.199	2.288		1.986	10.88
90) TP	1,3,5-Trimethylbenzene	1.939	2.129	1.926	2.086	2.212	2.564	2.737	2.886		2.310	16.00
91) TP	1,2,3-Trichloropropane	0.510	0.544	0.450	0.503	0.515	0.560	0.585	0.593		0.532	8.90
92) TP	trans-1,4-Dichloro-2-b...	0.123	0.190	0.161	0.184	0.157	0.200	0.204	0.201		0.177	16.00
93) TP	4-Chlorotoluene	1.830	1.972	1.756	1.939	2.087	2.246	2.301	2.385		2.064	11.08
94) TP	tert-Butylbenzene	1.660	1.882	1.551	1.704	1.883	2.168	2.332	2.422		1.950	16.55
97) TP	1,2,4-Trimethylbenzene	1.822	2.154	1.946	2.158	2.260	2.575	2.700	2.786		2.300	15.32
98) TP	sec-Butylbenzene	2.335	2.826	2.357	2.594	2.928	3.363	3.564	3.655		2.953	17.73
99) TP	p-Isopropyltoluene	2.017	2.303	2.014	2.231	2.480	2.888	3.056	3.169		2.520	18.28
100) TP	1,3-Dichlorobenzene	1.253	1.361	1.200	1.315	1.400	1.507	1.540	1.600		1.397	10.18
101) TP	1,4-Dichlorobenzene	1.355	1.448	1.224	1.330	1.480	1.511	1.546	1.585		1.435	8.52
102) TP	p-Diethylbenzene	1.191	1.401	1.240	1.367	1.414	1.736	1.846	1.910		1.513	18.35
103) TP	n-Butylbenzene	1.892	2.194	1.908	2.088	2.280	2.672	2.742	2.815		2.324	16.02
104) TP	1,2-Dichlorobenzene	1.223	1.295	1.134	1.263	1.325	1.420	1.454	1.462		1.322	8.86
105) TP	1,2,4,5-Tetramethylben...	1.947	2.065	1.984	2.246	2.207	2.687	2.841	2.929		2.363	16.75
106) TP	1,2-Dibromo-3-chloropr...		0.093	0.088	0.098	0.077	0.114	0.118	0.113		0.100	15.41
107) TP	1,3,5-Trichlorobenzene	0.855	0.893	0.829	0.900	1.000	1.051	1.081	1.112		0.965	11.34
108) TP	Hexachlorobutadiene	0.311	0.407	0.329	0.353	0.411	0.468	0.498	0.505		0.410	18.36
109) TP	1,2,4-Trichlorobenzene	0.780	0.785	0.730	0.792	0.829	0.906	0.922	0.924		0.834	8.95
110) TP	Naphthalene	1.895	1.658	1.499	1.722	1.753	1.963	1.986	1.862		1.792	9.24
111) TP	1,2,3-Trichlorobenzene	0.600	0.662	0.615	0.682	0.688	0.785	0.782	0.755		0.696	10.30

Initial Calibration Summary
Form 6
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA122	**Ical Ref**	: ICAL19682
Calibration dates	: 01/24/23 18:05 01/24/23 22:09		

Calibration Files

L11 =V22230124N03.D L1 =V22230124N05.D L2 =V22230124N07.D L3 =V22230124N09.D L4 =V22230124N10.D

L6 =V22230124N11.D L8 =V22230124N12.D L10 =V22230124N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo			0.278	0.243	0.206	0.180	0.169	0.163	*Q	0.9983
3)	TP	Chloromethane			0.259	0.215	0.182	0.162	0.156	0.146	*Q	0.9992
4)	TC	Vinyl chloride	0.139	0.145	0.188	0.158	0.139	0.126	0.134	0.139	0.146	13.33
5)	TP	Bromomethane		0.066	0.078	0.066	0.061	0.062	0.071	0.076	0.069	9.77
6)	TP	Chloroethane		0.118	0.139	0.113	0.098	0.088	0.088	0.085	0.104	19.49
7)	TP	Trichlorofluor		0.278	0.378	0.314	0.271	0.244	0.233	0.224	0.277	19.38
8)	TP	Ethyl ether		0.052	0.050	0.051	0.047	0.046	0.046	0.045	0.048	5.74
10)	TC	1,1-Dichloroet		0.143	0.179	0.149	0.127	0.117	0.117	0.114	0.135	17.53
11)	TP	Carbon disulfide		0.516	0.613	0.503	0.434	0.391	0.383	0.372	0.459	19.43
12)	TP	Freon-113		0.141	0.182	0.163	0.141	0.129	0.130	0.130	0.145	13.93
13)	TP	Iodomethane			0.097	0.132	0.141	0.148	0.149	0.148	0.136	14.76
14)	TP	Acrolein		0.014	0.021	0.017	0.014	0.014	0.013	0.013	0.015	18.12
15)	TP	Methylene chlo			0.213	0.172	0.145	0.132	0.129	0.129	*L	0.9986
17)	TP	Acetone			0.034	0.025	0.021	0.019	0.018	0.018	*L	0.9974
18)	TP	trans-1,2-Dich		0.155	0.188	0.159	0.139	0.131	0.130	0.129	0.147	14.65
19)	TP	Methyl acetate			0.064	0.049	0.045	0.043	0.042	0.041	0.047	18.58
21)	TP	Methyl tert butyl ether		0.174	0.210	0.227	0.238	0.242	0.241	0.247	0.225	11.43
22)	TP	tert-Butyl alc			0.006	0.007	0.006	0.006	0.006	0.006	0.006#	4.57
24)	TP	Diisopropyl ether		0.272	0.324	0.305	0.319	0.327	0.326	0.331	0.315	6.53
25)	TP	1,1-Dichloroet		0.350	0.403	0.342	0.295	0.268	0.263	0.257	0.311	17.74
26)	TP	Halothane		0.077	0.119	0.104	0.097	0.089	0.094	0.095	0.097	13.26
27)	TP	Acrylonitrile			0.035	0.033	0.028	0.026	0.026	0.025	0.029	13.42
28)	TP	Ethyl tert-but		0.247	0.289	0.289	0.324	0.338	0.337	0.346	0.310	11.73
29)	TP	Vinyl acetate			0.128	0.124	0.150	0.142	0.138	0.144	0.138	7.25
30)	TP	cis-1,2-Dichlo		0.165	0.211	0.171	0.152	0.142	0.139	0.139	0.160#	16.17
31)	TP	2,2-Dichloropr		0.260	0.335	0.286	0.261	0.239	0.230	0.225	0.262	14.68
32)	TP	Bromochloromet		0.087	0.077	0.071	0.061	0.058	0.056	0.055	0.066#	18.39
33)	TP	Cyclohexane		0.254	0.322	0.304	0.298	0.273	0.270	0.268	0.284	8.54
34)	TC	Chloroform		0.320	0.385	0.328	0.291	0.264	0.263	0.257	0.301	15.44
35)	TP	Ethyl acetate			0.044	0.048	0.059	0.061	0.061	0.060	0.055	13.51
36)	TP	Carbon tetrachloride	0.208	0.206	0.278	0.266	0.242	0.225	0.220	0.217	0.233	11.55
37)	TP	Tetrahydrofuran			0.020	0.021	0.017	0.017	0.016	0.016	0.018	12.48
38)	S	Dibromofluoromethane	0.368	0.373	0.366	0.330	0.296	0.272	0.269	0.268	0.318	14.81
39)	TP	1,1,1-Trichlor		0.232	0.309	0.292	0.270	0.253	0.244	0.237	0.262	11.04
41)	TP	2-Butanone			0.027	0.026	0.025	0.026	0.026	0.025	0.026	3.19

Initial Calibration Summary
Form 6
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA122	**Ical Ref**	: ICAL19682
Calibration dates	: 01/24/23 18:05 01/24/23 22:09		

Calibration Files

L11 =V22230124N03.D L1 =V22230124N05.D L2 =V22230124N07.D L3 =V22230124N09.D L4 =V22230124N10.D

L6 =V22230124N11.D L8 =V22230124N12.D L10 =V22230124N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
42) TP	1,1-Dichloropr		0.150	0.186	0.194	0.201	0.215	0.213	0.211	0.196	11.67
44) TP	Benzene	0.451	0.466	0.545	0.520	0.526	0.515	0.514	0.509	0.506	6.19
45) TP	Tertiary-Amyl Methyl Ether		0.232	0.248	0.227	0.246	0.267	0.270	0.274	0.252	7.43
46) S	1,2-Dichloroethane-d4	0.389	0.390	0.428	0.379	0.349	0.331	0.317	0.314	0.362	11.26
47) T	1,2-Dichloroet		0.223	0.252	0.205	0.201	0.190	0.180	0.173	0.203	13.33
50) TP	Methyl cyclohe		0.190	0.246	0.249	0.236	0.234	0.238	0.242	0.234	8.55
51) TP	Trichloroethene	0.151	0.158	0.157	0.157	0.161	0.160	0.156	0.154	0.157#	2.15
53) TP	Dibromomethane		0.079	0.085	0.081	0.076	0.073	0.071	0.070	0.076	7.26
54) TC	1,2-Dichloropr		0.107	0.131	0.134	0.141	0.139	0.140	0.137	0.133	9.04
56) TP	2-Chloroethyl		0.035	0.046	0.045	0.051	0.052	0.051	0.052	0.048	13.08
57) TP	Bromodichlorom		0.192	0.220	0.207	0.212	0.204	0.200	0.196	0.205#	4.77
60) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	12.22
61) TP	cis-1,3-Dichlo		0.160	0.173	0.196	0.217	0.222	0.219	0.219	0.201#	12.55
62) I	Chlorobenzene-d5	----------ISTD----------									
63) S	Toluene-d8	1.277	1.295	1.291	1.308	1.316	1.329	1.354	1.311	1.310	1.83
64) TC	Toluene		0.399	0.471	0.456	0.453	0.445	0.449	0.440	0.445	5.05
65) TP	4-Methyl-2-pen			0.017	0.019	0.021	0.022	0.022	0.021	0.020#	9.07
66) TP	Tetrachloroethene		0.166	0.182	0.166	0.174	0.175	0.177	0.176	0.174	3.38
68) TP	trans-1,3-Dich		0.187	0.208	0.235	0.281	0.299	0.301	0.285	0.257#	18.04
70) TP	Ethyl methacry		0.122	0.132	0.132	0.132	0.129	0.126	0.122	0.128	3.37
71) TP	1,1,2-Trichlor		0.067	0.071	0.085	0.100	0.106	0.107	0.106	0.092#	18.88
72) TP	Chlorodibromom		0.090	0.113	0.128	0.155	0.164	0.169	0.166	*Q	0.9989
73) TP	1,3-Dichloropr		0.141	0.170	0.189	0.225	0.238	0.241	0.235	0.206	19.10
74) TP	1,2-Dibromoethane		0.074	0.088	0.100	0.117	0.125	0.127	0.125	0.108#	19.38
76) TP	2-Hexanone		0.057	0.057	0.051	0.053	0.052	0.051	0.049	0.053	6.01
77) TP	Chlorobenzene		0.500	0.500	0.478	0.479	0.471	0.473	0.466	0.481	2.88
78) TC	Ethylbenzene		0.893	0.977	0.944	0.924	0.897	0.884	0.851	0.910	4.59
79) TP	1,1,1,2-Tetrac		0.128	0.129	0.135	0.153	0.167	0.171	0.171	0.151	13.17
80) TP	p/m Xylene		0.335	0.366	0.357	0.342	0.329	0.319	0.311	0.337	5.85
81) TP	o Xylene		0.331	0.366	0.334	0.325	0.318	0.312	0.300	0.326	6.39
82) TP	Styrene		0.518	0.564	0.549	0.543	0.532	0.514	0.491	0.530	4.61
83) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
84) TP	Bromoform		0.106	0.114	0.145	0.169	0.186	0.192	0.199	*Q	0.9993
86) TP	Isopropylbenzene		1.481	1.682	1.722	1.699	1.644	1.642	1.654	1.646	4.78
87) S	4-Bromofluorobenzene	0.958	0.991	0.967	0.984	0.973	0.949	0.968	0.969	0.970	1.36
88) TP	Bromobenzene		0.395	0.360	0.362	0.363	0.351	0.355	0.360	0.364	4.01

Initial Calibration Summary
Form 6
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA122	**Ical Ref**	: ICAL19682
Calibration dates	: 01/24/23 18:05 01/24/23 22:09		

Calibration Files
L11 =V22230124N03.D L1 =V22230124N05.D L2 =V22230124N07.D L3 =V22230124N09.D L4 =V22230124N10.D
L6 =V22230124N11.D L8 =V22230124N12.D L10 =V22230124N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
89) TP	n-Propylbenzene		1.977	2.158	2.112	2.088	2.006	2.012	1.948	2.043	3.77
90) TP	1,4-Dichlorobu		0.341	0.333	0.342	0.369	0.375	0.378	0.375	0.359	5.41
91) TP	1,1,2,2-Tetrac		0.162	0.177	0.185	0.210	0.213	0.219	0.230	0.199#	12.46
92) TP	4-Ethyltoluene		1.553	1.754	1.730	1.673	1.628	1.650	1.611	1.657	4.19
93) TP	2-Chlorotoluene		1.131	1.234	1.227	1.195	1.161	1.186	1.171	1.186	3.07
94) TP	1,3,5-Trimethy		1.184	1.320	1.361	1.431	1.400	1.412	1.381	1.356	6.19
95) TP	1,2,3-Trichlor		0.185	0.178	0.179	0.194	0.196	0.204	0.209	0.192	6.20
96) TP	trans-1,4-Dich		0.062	0.059	0.072	0.077	0.076	0.076	0.077	0.071	10.50
97) TP	4-Chlorotoluene		1.185	1.320	1.309	1.294	1.247	1.249	1.225	1.261	3.86
98) TP	tert-Butylbenzene		1.202	1.505	1.478	1.405	1.379	1.389	1.371	1.390	7.01
101) TP	1,2,4-Trimethy		1.112	1.246	1.305	1.376	1.387	1.400	1.365	1.313	7.90
102) TP	sec-Butylbenzene		1.511	1.826	1.803	1.741	1.695	1.708	1.663	1.707	6.10
103) TP	p-Isopropyltol		1.189	1.445	1.491	1.480	1.436	1.446	1.412	1.414	7.26
104) TP	1,3-Dichlorobe		0.674	0.712	0.728	0.707	0.700	0.695	0.690	0.701	2.43
105) TP	1,4-Dichlorobe		0.688	0.733	0.696	0.698	0.691	0.691	0.690	0.698	2.23
106) TP	p-Diethylbenzene		0.692	0.785	0.827	0.845	0.860	0.866	0.854	0.818	7.59
107) TP	n-Butylbenzene		1.019	1.255	1.308	1.334	1.312	1.308	1.264	1.257	8.63
108) TP	1,2-Dichlorobe		0.578	0.635	0.627	0.625	0.616	0.619	0.612	0.616	2.95
109) TP	1,2,4,5-Tetram		0.944	1.045	1.059	1.089	1.117	1.154	1.176	1.083	7.17
110) TP	1,2-Dibromo-3-		0.023	0.035	0.038	0.039	0.039	0.041	0.041	0.037	16.76
111) TP	1,3,5-Trichlor		0.403	0.464	0.461	0.472	0.482	0.493	0.491	0.467	6.61
112) TP	Hexachlorobuta		0.211	0.238	0.226	0.220	0.214	0.219	0.219	0.221	4.06
113) TP	1,2,4-Trichlor		0.374	0.424	0.407	0.409	0.411	0.417	0.414	0.408	3.90
114) TP	Naphthalene		0.807	0.794	0.746	0.754	0.748	0.756	0.750	0.765	3.26
115) TP	1,2,3-Trichlor		0.340	0.367	0.356	0.356	0.346	0.353	0.346	0.352#	2.55

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,		Lab Number	: L2305912	
Project Name	: BRIDGE CLEANERS		Project Number	: BRIDGE CLEANERS	
Instrument ID	: VOA111		Calibration Date	: 02/06/23 07:16	
Lab File ID	: V11230206A01		Init. Calib. Date(s)	: 01/18/23	01/18/23
Sample No	: WG1741518-2		Init. Calib. Times	: 11:38	16:33
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	80	0
Dichlorodifluoromethane	0.234	0.236	-	-0.9	20	100	0
Chloromethane	0.273	0.28	-	-2.6	20	91	0
Vinyl chloride	0.337	0.386	-	-14.5	20	105	0
Bromomethane	0.37	0.381	-	-3	20	97	0
Chloroethane	0.15	0.212	-	-41.3*	20	116	0
Trichlorofluoromethane	40	44.569	-	-11.4	20	104	0
Ethyl ether	0.1	0.108	-	-8	20	87	0
1,1-Dichloroethene	0.2	0.206	-	-3	20	97	0
Carbon disulfide	0.446	0.751	-	-68.4*	20	166	-.01
Freon-113	40	44.517	-	-11.3	20	109	0
Acrolein	0.027	0.032	-	-18.5	20	109	-.01
Methylene chloride	0.289	0.257	-	11.1	20	84	-.01
Acetone	0.068	0.074	-	-8.8	20	96	-.01
trans-1,2-Dichloroethene	0.238	0.246	-	-3.4	20	93	-.01
Methyl acetate	0.131	0.14	-	-6.9	20	92	0
Methyl tert-butyl ether	0.562	0.58	-	-3.2	20	87	-.01
tert-Butyl alcohol	0.022	0.023	-	-4.5	20	83	0
Diisopropyl ether	0.743	0.769	-	-3.5	20	86	-.01
1,1-Dichloroethane	0.431	0.443	-	-2.8	20	89	0
Halothane	0.18	0.187	-	-3.9	20	101	0
Acrylonitrile	0.057	0.064	-	-12.3	20	90	-.02
Ethyl tert-butyl ether	0.732	0.74	-	-1.1	20	84	-.01
Vinyl acetate	0.472	0.565	-	-19.7	20	100	0
cis-1,2-Dichloroethene	0.27	0.271	-	-0.4	20	86	-.01
2,2-Dichloropropane	0.353	0.379	-	-7.4	20	101	-.01
Bromochloromethane	0.125	0.122	-	2.4	20	81	0
Cyclohexane	40	43.908	-	-9.8	20	110	0
Chloroform	0.454	0.468	-	-3.1	20	90	-.01
Ethyl acetate	0.198	0.205	-	-3.5	20	87	0
Carbon tetrachloride	0.31	0.321	-	-3.5	20	100	-.01
Tetrahydrofuran	0.053	0.056	-	-5.7	20	88	-.02
Dibromofluoromethane	0.257	0.258	-	-0.4	20	81	-.01
1,1,1-Trichloroethane	0.338	0.36	-	-6.5	20	98	-.02
2-Butanone	0.088	0.101	-	-14.8	20	95	-.01
1,1-Dichloropropene	40	42.703	-	-6.8	20	100	-.01
Benzene	0.945	0.974	-	-3.1	20	89	0
tert-Amyl methyl ether	0.67	0.675	-	-0.7	20	83	-.01
1,2-Dichloroethane-d4	0.254	0.261	-	-2.8	20	83	-.01
1,2-Dichloroethane	0.32	0.312	-	2.5	20	82	-.01
Methyl cyclohexane	40	43.434	-	-8.6	20	109	0
Trichloroethene	0.242	0.258	-	-6.6	20	94	-.02
Dibromomethane	0.151	0.15	-	0.7	20	82	-.01

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	Lab Number	: L2305912		
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS		
Instrument ID	: VOA111	Calibration Date	: 02/06/23 07:16		
Lab File ID	: V11230206A01	Init. Calib. Date(s)	: 01/18/23	01/18/23	
Sample No	: WG1741518-2	Init. Calib. Times	: 11:38	16:33	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.248	0.252	-	-1.6	20	84	0
2-Chloroethyl vinyl ether	0.097	0.093	-	4.1	20	82	-.02
Bromodichloromethane	0.347	0.349	-	-0.6	20	84	-.01
1,4-Dioxane	2000	1997.163	-	0.1	20	75	-.02
cis-1,3-Dichloropropene	0.394	0.409	-	-3.8	20	84	-.01
Chlorobenzene-d5	1	1	-	0	20	78	-.01
Toluene-d8	1.296	1.341	-	-3.5	20	80	-.01
Toluene	0.773	0.806	-	-4.3	20	90	-.01
4-Methyl-2-pentanone	40	38.692	-	3.3	20	83	-.01
Tetrachloroethene	40	43.301	-	-8.3	20	98	-.01
trans-1,3-Dichloropropene	0.481	0.504	-	-4.8	20	84	0
Ethyl methacrylate	0.343	0.365	-	-6.4	20	85	-.01
1,1,2-Trichloroethane	0.23	0.241	-	-4.8	20	84	-.01
Chlorodibromomethane	0.324	0.335	-	-3.4	20	83	0
1,3-Dichloropropane	0.464	0.481	-	-3.7	20	84	-.01
1,2-Dibromoethane	0.258	0.278	-	-7.8	20	83	0
2-Hexanone	0.167	0.185	-	-10.8	20	86	-.01
Chlorobenzene	0.903	0.925	-	-2.4	20	85	-.01
Ethylbenzene	1.456	1.556	-	-6.9	20	93	0
1,1,1,2-Tetrachloroethane	0.309	0.333	-	-7.8	20	84	0
p/m Xylene	0.555	0.609	-	-9.7	20	92	-.01
o Xylene	0.536	0.594	-	-10.8	20	92	-.01
Styrene	0.905	1.018	-	-12.5	20	90	-.01
1,4-Dichlorobenzene-d4	1	1	-	0	20	78	0
Bromoform	0.4	0.402	-	-0.5	20	82	0
Isopropylbenzene	2.709	2.853	-	-5.3	20	94	0
4-Bromofluorobenzene	0.843	0.801	-	5	20	75	0
Bromobenzene	0.721	0.709	-	1.7	20	82	0
n-Propylbenzene	3.386	3.593	-	-6.1	20	95	-.01
1,4-Dichlorobutane	0.823	0.843	-	-2.4	20	85	-.01
1,1,2,2-Tetrachloroethane	0.679	0.708	-	-4.3	20	86	-.01
4-Ethyltoluene	2.714	2.898	-	-6.8	20	92	0
2-Chlorotoluene	1.986	2.023	-	-1.9	20	88	0
1,3,5-Trimethylbenzene	2.31	2.437	-	-5.5	20	91	0
1,2,3-Trichloropropane	0.532	0.531	-	0.2	20	82	-.01
trans-1,4-Dichloro-2-buten	0.177	0.205	-	-15.8	20	87	0
4-Chlorotoluene	2.064	2.133	-	-3.3	20	85	0
tert-Butylbenzene	1.95	2.043	-	-4.8	20	93	0
1,2,4-Trimethylbenzene	2.3	2.442	-	-6.2	20	88	0
sec-Butylbenzene	2.953	3.244	-	-9.9	20	97	0
p-Isopropyltoluene	2.52	2.717	-	-7.8	20	94	0
1,3-Dichlorobenzene	1.397	1.444	-	-3.4	20	85	0
1,4-Dichlorobenzene	1.435	1.464	-	-2	20	85	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	Lab Number	: L2305912		
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS		
Instrument ID	: VOA111	Calibration Date	: 02/06/23 07:16		
Lab File ID	: V11230206A01	Init. Calib. Date(s)	: 01/18/23	01/18/23	
Sample No	: WG1741518-2	Init. Calib. Times	: 11:38	16:33	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.513	1.67	-	-10.4	20	95	0
n-Butylbenzene	2.324	2.637	-	-13.5	20	98	0
1,2-Dichlorobenzene	1.322	1.351	-	-2.2	20	83	0
1,2,4,5-Tetramethylbenzene	2.363	2.466	-	-4.4	20	85	0
1,2-Dibromo-3-chloropropan	0.1	0.1	-	0	20	79	0
1,3,5-Trichlorobenzene	0.965	1.016	-	-5.3	20	88	0
Hexachlorobutadiene	0.41	0.426	-	-3.9	20	94	0
1,2,4-Trichlorobenzene	0.834	0.873	-	-4.7	20	85	0
Naphthalene	1.792	1.782	-	0.6	20	80	0
1,2,3-Trichlorobenzene	0.696	0.733	-	-5.3	20	83	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,		Lab Number	: L2305912	
Project Name	: BRIDGE CLEANERS		Project Number	: BRIDGE CLEANERS	
Instrument ID	: VOA122		Calibration Date	: 02/06/23 08:07	
Lab File ID	: V22230206A01		Init. Calib. Date(s)	: 01/24/23	01/24/23
Sample No	: WG1741609-2		Init. Calib. Times	: 18:05	22:09
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	89	0
Dichlorodifluoromethane	10	8.611	-	13.9	20	69	0
Chloromethane	10	9.452	-	5.5	20	77	0
Vinyl chloride	0.146	0.15	-	-2.7	20	84	0
Bromomethane	0.069	0.071	-	-2.9	20	95	0
Chloroethane	0.104	0.1	-	3.8	20	79	0
Trichlorofluoromethane	0.277	0.283	-	-2.2	20	80	0
Ethyl ether	0.048	0.045	-	6.3	20	78	0
1,1-Dichloroethene	0.135	0.136	-	-0.7	20	81	0
Carbon disulfide	0.459	0.439	-	4.4	20	77	0
Freon-113	0.145	0.147	-	-1.4	20	80	0
Acrolein	0.015	0.016	-	-6.7	20	84	0
Methylene chloride	10	10.334	-	-3.3	20	80	0
Acetone	10	11.376	-	-13.8	20	87	0
trans-1,2-Dichloroethene	0.147	0.143	-	2.7	20	80	0
Methyl acetate	0.047	0.047	-	0	20	84	0
Methyl tert-butyl ether	0.225	0.202	-	10.2	20	79	0
tert-Butyl alcohol	0.00634	0.00664*	-	-4.7	20	87	-.01
Diisopropyl ether	0.315	0.276	-	12.4	20	80	0
1,1-Dichloroethane	0.311	0.299*	-	3.9	20	78	0
Halothane	0.097	0.091	-	6.2	20	78	0
Acrylonitrile	0.029	0.029	-	0	20	78	0
Ethyl tert-butyl ether	0.31	0.27	-	12.9	20	83	0
Vinyl acetate	0.138	0.151	-	-9.4	20	108	0
cis-1,2-Dichloroethene	0.16	0.163*	-	-1.9	20	84	0
2,2-Dichloropropane	0.262	0.274	-	-4.6	20	85	0
Bromochloromethane	0.066	0.066*	-	0	20	82	0
Cyclohexane	0.284	0.257	-	9.5	20	75	0
Chloroform	0.301	0.314	-	-4.3	20	85	0
Ethyl acetate	0.055	0.049	-	10.9	20	91	0
Carbon tetrachloride	0.233	0.234	-	-0.4	20	78	0
Tetrahydrofuran	0.018	0.018	-	0	20	78	0
Dibromofluoromethane	0.318	0.357	-	-12.3	20	96	0
1,1,1-Trichloroethane	0.262	0.262	-	0	20	80	0
2-Butanone	0.026	0.024	-	7.7	20	82	0
1,1-Dichloropropene	0.196	0.173	-	11.7	20	79	0
Benzene	0.506	0.463	-	8.5	20	79	0
tert-Amyl methyl ether	0.252	0.217	-	13.9	20	84	0
1,2-Dichloroethane-d4	0.362	0.4	-	-10.5	20	94	0
1,2-Dichloroethane	0.203	0.193	-	4.9	20	83	0
Methyl cyclohexane	0.234	0.217	-	7.3	20	77	0
Trichloroethene	0.157	0.142*	-	9.6	20	80	0
Dibromomethane	0.076	0.074	-	2.6	20	81	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,		Lab Number	: L2305912	
Project Name	: BRIDGE CLEANERS		Project Number	: BRIDGE CLEANERS	
Instrument ID	: VOA122		Calibration Date	: 02/06/23 08:07	
Lab File ID	: V22230206A01		Init. Calib. Date(s)	: 01/24/23	01/24/23
Sample No	: WG1741609-2		Init. Calib. Times	: 18:05	22:09
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.133	0.117	-	12	20	77	0
Bromodichloromethane	0.205	0.192*	-	6.3	20	82	0
1,4-Dioxane	0.00074	0.00089*	-	-20.3*	20	91	0
cis-1,3-Dichloropropene	0.201	0.187*	-	7	20	85	0
Chlorobenzene-d5	1	1	-	0	20	89	0
Toluene-d8	1.31	1.347	-	-2.8	20	92	0
Toluene	0.445	0.403	-	9.4	20	79	0
4-Methyl-2-pentanone	0.02	0.017*	-	15	20	78	-.01
Tetrachloroethene	0.174	0.158	-	9.2	20	85	0
trans-1,3-Dichloropropene	0.257	0.228*	-	11.3	20	87	0
Ethyl methacrylate	0.128	0.113	-	11.7	20	77	0
1,1,2-Trichloroethane	0.092	0.075*	-	18.5	20	80	0
Chlorodibromomethane	10	7.805	-	22*	20	83	0
1,3-Dichloropropane	0.206	0.177	-	14.1	20	84	0
1,2-Dibromoethane	0.108	0.1*	-	7.4	20	89	0
2-Hexanone	0.053	0.042	-	20.8*	20	73	0
Chlorobenzene	0.481	0.436	-	9.4	20	82	0
Ethylbenzene	0.91	0.832	-	8.6	20	79	0
1,1,1,2-Tetrachloroethane	0.151	0.127	-	15.9	20	84	0
p/m Xylene	0.337	0.321	-	4.7	20	81	0
o Xylene	0.326	0.308	-	5.5	20	82	0
Styrene	0.53	0.504	-	4.9	20	82	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
Bromoform	10	8.025	-	19.7	20	85	0
Isopropylbenzene	1.646	1.489	-	9.5	20	81	0
4-Bromofluorobenzene	0.97	0.963	-	0.7	20	91	0
Bromobenzene	0.364	0.322	-	11.5	20	83	0
n-Propylbenzene	2.043	1.852	-	9.3	20	82	0
1,4-Dichlorobutane	0.359	0.302	-	15.9	20	82	0
1,1,2,2-Tetrachloroethane	0.199	0.173*	-	13.1	20	88	0
4-Ethyltoluene	1.657	1.515	-	8.6	20	82	0
2-Chlorotoluene	1.186	1.059	-	10.7	20	81	0
1,3,5-Trimethylbenzene	1.356	1.135	-	16.3	20	78	0
1,2,3-Trichloropropane	0.192	0.16	-	16.7	20	83	0
trans-1,4-Dichloro-2-buten	0.071	0.061	-	14.1	20	79	0
4-Chlorotoluene	1.261	1.153	-	8.6	20	82	0
tert-Butylbenzene	1.39	1.262	-	9.2	20	80	0
1,2,4-Trimethylbenzene	1.313	1.104	-	15.9	20	79	0
sec-Butylbenzene	1.707	1.567	-	8.2	20	81	0
p-Isopropyltoluene	1.414	1.283	-	9.3	20	80	0
1,3-Dichlorobenzene	0.701	0.64	-	8.7	20	82	0
1,4-Dichlorobenzene	0.698	0.622	-	10.9	20	83	0
p-Diethylbenzene	0.818	0.7	-	14.4	20	79	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,		Lab Number	: L2305912	
Project Name	: BRIDGE CLEANERS		Project Number	: BRIDGE CLEANERS	
Instrument ID	: VOA122		Calibration Date	: 02/06/23 08:07	
Lab File ID	: V22230206A01		Init. Calib. Date(s)	: 01/24/23	01/24/23
Sample No	: WG1741609-2		Init. Calib. Times	: 18:05	22:09
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.257	1.107	-	11.9	20	79	0
1,2-Dichlorobenzene	0.616	0.548*	-	11	20	82	0
1,2,4,5-Tetramethylbenzene	1.083	0.935	-	13.7	20	83	0
1,2-Dibromo-3-chloropropan	0.037	0.033	-	10.8	20	82	0
1,3,5-Trichlorobenzene	0.467	0.405	-	13.3	20	82	0
Hexachlorobutadiene	0.221	0.207	-	6.3	20	86	0
1,2,4-Trichlorobenzene	0.408	0.361*	-	11.5	20	83	0
Naphthalene	0.765	0.646	-	15.6	20	81	0
1,2,3-Trichlorobenzene	0.352	0.314*	-	10.8	20	83	0

* Value outside of QC limits.

Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high andassociated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

L2306838

ALPHA GEOSCIENCE

Geology

Hydrology

Remediation

Water Supply

Data Usability Summary Report
for Alpha Analytical Labs
SDG Number: L2306838

3 Soil Samples, 1 Field Blank,
and 1 Trip Blank
Collected February 8, 2023

Prepared by: Donald Anné
April 27, 2023

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of volatile results for 3 soil samples, 1 field blank, and 1 trip blank.

The overall performances of the analyses are acceptable. Alpha Analytical Labs did fulfill the requirements of the analytical method.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The positive volatile result for naphthalene was qualified as "not detected" (U) for sample PX-SW because the level reported in the sample was not significantly greater than (more than 5 times) the highest associated blank level.

All data are considered usable. Detailed information on data quality is included in the data validation review.

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Qualified Data Section

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2306838-01	Date Collected	: 02/08/23 09:20
Client ID	: PX-SE	Date Received	: 02/08/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/10/23 17:41
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: V11230210A23	Instrument ID	: VOA111
Sample Amount	: 3.8 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 91
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	7.2	3.3	U
75-34-3	1,1-Dichloroethane	ND	1.4	0.21	U
67-66-3	Chloroform	ND	2.2	0.20	U
56-23-5	Carbon tetrachloride	ND	1.4	0.33	U
78-87-5	1,2-Dichloropropane	ND	1.4	0.18	U
124-48-1	Dibromochloromethane	ND	1.4	0.20	U
79-00-5	1,1,2-Trichloroethane	ND	1.4	0.39	U
127-18-4	Tetrachloroethene	ND	0.72	0.28	U
108-90-7	Chlorobenzene	ND	0.72	0.18	U
75-69-4	Trichlorofluoromethane	ND	5.8	1.0	U
107-06-2	1,2-Dichloroethane	ND	1.4	0.37	U
71-55-6	1,1,1-Trichloroethane	ND	0.72	0.24	U
75-27-4	Bromodichloromethane	ND	0.72	0.16	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.4	0.40	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.72	0.23	U
542-75-6	1,3-Dichloropropene, Total	ND	0.72	0.23	U
563-58-6	1,1-Dichloropropene	ND	0.72	0.23	U
75-25-2	Bromoform	ND	5.8	0.36	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.72	0.24	U
71-43-2	Benzene	ND	0.72	0.24	U
108-88-3	Toluene	ND	1.4	0.78	U
100-41-4	Ethylbenzene	ND	1.4	0.20	U
74-87-3	Chloromethane	ND	5.8	1.3	U
74-83-9	Bromomethane	ND	2.9	0.84	U
75-01-4	Vinyl chloride	ND	1.4	0.48	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2306838-01	Date Collected	: 02/08/23 09:20
Client ID	: PX-SE	Date Received	: 02/08/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/10/23 17:41
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: V11230210A23	Instrument ID	: VOA111
Sample Amount	: 3.8 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 91
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.9	0.65	U
75-35-4	1,1-Dichloroethene	ND	1.4	0.34	U
156-60-5	trans-1,2-Dichloroethene	ND	2.2	0.20	U
79-01-6	Trichloroethene	ND	0.72	0.20	U
95-50-1	1,2-Dichlorobenzene	ND	2.9	0.21	U
541-73-1	1,3-Dichlorobenzene	ND	2.9	0.21	U
106-46-7	1,4-Dichlorobenzene	ND	2.9	0.25	U
1634-04-4	Methyl tert butyl ether	ND	2.9	0.29	U
179601-23-1	p/m-Xylene	ND	2.9	0.81	U
95-47-6	o-Xylene	ND	1.4	0.42	U
1330-20-7	Xylenes, Total	ND	1.4	0.42	U
156-59-2	cis-1,2-Dichloroethene	ND	1.4	0.25	U
540-59-0	1,2-Dichloroethene, Total	ND	1.4	0.20	U
74-95-3	Dibromomethane	ND	2.9	0.34	U
100-42-5	Styrene	ND	1.4	0.28	U
75-71-8	Dichlorodifluoromethane	ND	14	1.3	U
67-64-1	Acetone	ND	14	7.0	U
75-15-0	Carbon disulfide	ND	14	6.6	U
78-93-3	2-Butanone	ND	14	3.2	U
108-05-4	Vinyl acetate	ND	14	3.1	U
108-10-1	4-Methyl-2-pentanone	ND	14	1.8	U
96-18-4	1,2,3-Trichloropropane	ND	2.9	0.18	U
591-78-6	2-Hexanone	ND	14	1.7	U
74-97-5	Bromochloromethane	ND	2.9	0.30	U
594-20-7	2,2-Dichloropropane	ND	2.9	0.29	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2306838-01	Date Collected	: 02/08/23 09:20
Client ID	: PX-SE	Date Received	: 02/08/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/10/23 17:41
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: V11230210A23	Instrument ID	: VOA111
Sample Amount	: 3.8 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 91
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.4	0.40	U
142-28-9	1,3-Dichloropropane	ND	2.9	0.24	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.72	0.19	U
108-86-1	Bromobenzene	ND	2.9	0.21	U
104-51-8	n-Butylbenzene	ND	1.4	0.24	U
135-98-8	sec-Butylbenzene	ND	1.4	0.21	U
98-06-6	tert-Butylbenzene	ND	2.9	0.17	U
95-49-8	o-Chlorotoluene	ND	2.9	0.28	U
106-43-4	p-Chlorotoluene	ND	2.9	0.16	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.3	1.4	U
87-68-3	Hexachlorobutadiene	ND	5.8	0.24	U
98-82-8	Isopropylbenzene	ND	1.4	0.16	U
99-87-6	p-Isopropyltoluene	ND	1.4	0.16	U
91-20-3	Naphthalene	ND	5.8	0.94	U
107-13-1	Acrylonitrile	ND	5.8	1.7	U
103-65-1	n-Propylbenzene	ND	1.4	0.25	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.9	0.47	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.9	0.39	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.9	0.28	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.9	0.48	U
123-91-1	1,4-Dioxane	ND	120	51.	U
105-05-5	p-Diethylbenzene	ND	2.9	0.26	U
622-96-8	p-Ethyltoluene	ND	2.9	0.56	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.9	0.28	U
60-29-7	Ethyl ether	ND	2.9	0.49	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2306838-01	**Date Collected**	: 02/08/23 09:20
Client ID	: PX-SE	**Date Received**	: 02/08/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/10/23 17:41
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: AJK
Lab File ID	: V11230210A23	**Instrument ID**	: VOA111
Sample Amount	: 3.8 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 91
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	7.2	2.0	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2306838-02	Date Collected	: 02/08/23 09:40
Client ID	: PX-S	Date Received	: 02/08/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/13/23 17:11
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: JIC
Lab File ID	: V11230213A22	Instrument ID	: VOA111
Sample Amount	: 2.6 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 79
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	12	5.5	U
75-34-3	1,1-Dichloroethane	ND	2.4	0.35	U
67-66-3	Chloroform	ND	3.6	0.34	U
56-23-5	Carbon tetrachloride	ND	2.4	0.55	U
78-87-5	1,2-Dichloropropane	ND	2.4	0.30	U
124-48-1	Dibromochloromethane	ND	2.4	0.34	U
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.64	U
127-18-4	Tetrachloroethene	ND	1.2	0.47	U
108-90-7	Chlorobenzene	ND	1.2	0.30	U
75-69-4	Trichlorofluoromethane	ND	9.6	1.7	U
107-06-2	1,2-Dichloroethane	ND	2.4	0.62	U
71-55-6	1,1,1-Trichloroethane	ND	1.2	0.40	U
75-27-4	Bromodichloromethane	ND	1.2	0.26	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.66	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	0.38	U
542-75-6	1,3-Dichloropropene, Total	ND	1.2	0.38	U
563-58-6	1,1-Dichloropropene	ND	1.2	0.38	U
75-25-2	Bromoform	ND	9.6	0.59	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	0.40	U
71-43-2	Benzene	ND	1.2	0.40	U
108-88-3	Toluene	ND	2.4	1.3	U
100-41-4	Ethylbenzene	ND	2.4	0.34	U
74-87-3	Chloromethane	ND	9.6	2.2	U
74-83-9	Bromomethane	ND	4.8	1.4	U
75-01-4	Vinyl chloride	ND	2.4	0.81	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2306838-02	Date Collected	: 02/08/23 09:40
Client ID	: PX-S	Date Received	: 02/08/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/13/23 17:11
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: JIC
Lab File ID	: V11230213A22	Instrument ID	: VOA111
Sample Amount	: 2.6 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 79
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	4.8	1.1	U
75-35-4	1,1-Dichloroethene	ND	2.4	0.57	U
156-60-5	trans-1,2-Dichloroethene	ND	3.6	0.33	U
79-01-6	Trichloroethene	ND	1.2	0.33	U
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.35	U
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.36	U
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.41	U
1634-04-4	Methyl tert butyl ether	ND	4.8	0.48	U
179601-23-1	p/m-Xylene	ND	4.8	1.3	U
95-47-6	o-Xylene	ND	2.4	0.70	U
1330-20-7	Xylenes, Total	ND	2.4	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.4	0.42	U
540-59-0	1,2-Dichloroethene, Total	ND	2.4	0.33	U
74-95-3	Dibromomethane	ND	4.8	0.57	U
100-42-5	Styrene	ND	2.4	0.47	U
75-71-8	Dichlorodifluoromethane	ND	24	2.2	U
67-64-1	Acetone	ND	24	12.	U
75-15-0	Carbon disulfide	ND	24	11.	U
78-93-3	2-Butanone	ND	24	5.3	U
108-05-4	Vinyl acetate	ND	24	5.2	U
108-10-1	4-Methyl-2-pentanone	ND	24	3.1	U
96-18-4	1,2,3-Trichloropropane	ND	4.8	0.30	U
591-78-6	2-Hexanone	ND	24	2.8	U
74-97-5	Bromochloromethane	ND	4.8	0.49	U
594-20-7	2,2-Dichloropropane	ND	4.8	0.49	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2306838-02	Date Collected	: 02/08/23 09:40
Client ID	: PX-S	Date Received	: 02/08/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/13/23 17:11
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: JIC
Lab File ID	: V11230213A22	Instrument ID	: VOA111
Sample Amount	: 2.6 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 79
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	2.4	0.67	U
142-28-9	1,3-Dichloropropane	ND	4.8	0.40	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.2	0.32	U
108-86-1	Bromobenzene	ND	4.8	0.35	U
104-51-8	n-Butylbenzene	ND	2.4	0.40	U
135-98-8	sec-Butylbenzene	ND	2.4	0.35	U
98-06-6	tert-Butylbenzene	ND	4.8	0.28	U
95-49-8	o-Chlorotoluene	ND	4.8	0.46	U
106-43-4	p-Chlorotoluene	ND	4.8	0.26	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	7.2	2.4	U
87-68-3	Hexachlorobutadiene	ND	9.6	0.41	U
98-82-8	Isopropylbenzene	ND	2.4	0.26	U
99-87-6	p-Isopropyltoluene	ND	2.4	0.26	U
91-20-3	Naphthalene	ND	9.6	1.6	U
107-13-1	Acrylonitrile	ND	9.6	2.8	U
103-65-1	n-Propylbenzene	ND	2.4	0.41	U
87-61-6	1,2,3-Trichlorobenzene	ND	4.8	0.77	U
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.65	U
108-67-8	1,3,5-Trimethylbenzene	ND	4.8	0.46	U
95-63-6	1,2,4-Trimethylbenzene	ND	4.8	0.80	U
123-91-1	1,4-Dioxane	ND	190	84.	U
105-05-5	p-Diethylbenzene	ND	4.8	0.42	U
622-96-8	p-Ethyltoluene	ND	4.8	0.92	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	4.8	0.46	U
60-29-7	Ethyl ether	ND	4.8	0.82	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2306838-02	**Date Collected**	: 02/08/23 09:40
Client ID	: PX-S	**Date Received**	: 02/08/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/13/23 17:11
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: JIC
Lab File ID	: V11230213A22	**Instrument ID**	: VOA111
Sample Amount	: 2.6 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 79
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	12	3.4	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2306838-03	Date Collected	: 02/08/23 10:00
Client ID	: PX-SW	Date Received	: 02/08/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/10/23 18:37
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: V11230210A25	Instrument ID	: VOA111
Sample Amount	: 4.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 92
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	6.8	3.1	U
75-34-3	1,1-Dichloroethane	ND	1.4	0.20	U
67-66-3	Chloroform	ND	2.0	0.19	U
56-23-5	Carbon tetrachloride	ND	1.4	0.31	U
78-87-5	1,2-Dichloropropane	ND	1.4	0.17	U
124-48-1	Dibromochloromethane	ND	1.4	0.19	U
79-00-5	1,1,2-Trichloroethane	ND	1.4	0.36	U
127-18-4	Tetrachloroethene	ND	0.68	0.26	U
108-90-7	Chlorobenzene	ND	0.68	0.17	U
75-69-4	Trichlorofluoromethane	ND	5.4	0.94	U
107-06-2	1,2-Dichloroethane	ND	1.4	0.35	U
71-55-6	1,1,1-Trichloroethane	ND	0.68	0.23	U
75-27-4	Bromodichloromethane	ND	0.68	0.15	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.4	0.37	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.68	0.21	U
542-75-6	1,3-Dichloropropene, Total	ND	0.68	0.21	U
563-58-6	1,1-Dichloropropene	ND	0.68	0.22	U
75-25-2	Bromoform	ND	5.4	0.33	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.68	0.22	U
71-43-2	Benzene	ND	0.68	0.22	U
108-88-3	Toluene	ND	1.4	0.74	U
100-41-4	Ethylbenzene	ND	1.4	0.19	U
74-87-3	Chloromethane	ND	5.4	1.3	U
74-83-9	Bromomethane	ND	2.7	0.79	U
75-01-4	Vinyl chloride	ND	1.4	0.45	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2306838-03	Date Collected	: 02/08/23 10:00
Client ID	: PX-SW	Date Received	: 02/08/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/10/23 18:37
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: V11230210A25	Instrument ID	: VOA111
Sample Amount	: 4.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 92
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.7	0.61	U
75-35-4	1,1-Dichloroethene	ND	1.4	0.32	U
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.18	U
79-01-6	Trichloroethene	ND	0.68	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.7	0.20	U
541-73-1	1,3-Dichlorobenzene	ND	2.7	0.20	U
106-46-7	1,4-Dichlorobenzene	ND	2.7	0.23	U
1634-04-4	Methyl tert butyl ether	ND	2.7	0.27	U
179601-23-1	p/m-Xylene	ND	2.7	0.76	U
95-47-6	o-Xylene	2.3	1.4	0.39	
1330-20-7	Xylenes, Total	2.3	1.4	0.39	
156-59-2	cis-1,2-Dichloroethene	ND	1.4	0.24	U
540-59-0	1,2-Dichloroethene, Total	ND	1.4	0.18	U
74-95-3	Dibromomethane	ND	2.7	0.32	U
100-42-5	Styrene	ND	1.4	0.26	U
75-71-8	Dichlorodifluoromethane	ND	14	1.2	U
67-64-1	Acetone	ND	14	6.5	U
75-15-0	Carbon disulfide	ND	14	6.2	U
78-93-3	2-Butanone	ND	14	3.0	U
108-05-4	Vinyl acetate	ND	14	2.9	U
108-10-1	4-Methyl-2-pentanone	ND	14	1.7	U
96-18-4	1,2,3-Trichloropropane	ND	2.7	0.17	U
591-78-6	2-Hexanone	ND	14	1.6	U
74-97-5	Bromochloromethane	ND	2.7	0.28	U
594-20-7	2,2-Dichloropropane	ND	2.7	0.27	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2306838-03	Date Collected	: 02/08/23 10:00
Client ID	: PX-SW	Date Received	: 02/08/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/10/23 18:37
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: V11230210A25	Instrument ID	: VOA111
Sample Amount	: 4.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 92
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
106-93-4	1,2-Dibromoethane	ND	1.4	0.38	U	
142-28-9	1,3-Dichloropropane	ND	2.7	0.23	U	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.68	0.18	U	
108-86-1	Bromobenzene	ND	2.7	0.20	U	
104-51-8	n-Butylbenzene	ND	1.4	0.23	U	
135-98-8	sec-Butylbenzene	ND	1.4	0.20	U	
98-06-6	tert-Butylbenzene	ND	2.7	0.16	U	
95-49-8	o-Chlorotoluene	ND	2.7	0.26	U	
106-43-4	p-Chlorotoluene	ND	2.7	0.15	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.1	1.4	U	
87-68-3	Hexachlorobutadiene	ND	5.4	0.23	U	
98-82-8	Isopropylbenzene	ND	1.4	0.15	U	
99-87-6	p-Isopropyltoluene	ND	1.4	0.15	U	
91-20-3	Naphthalene	1.9	5.4	0.88	J	U
107-13-1	Acrylonitrile	ND	5.4	1.6	U	
103-65-1	n-Propylbenzene	ND	1.4	0.23	U	
87-61-6	1,2,3-Trichlorobenzene	ND	2.7	0.44	U	
120-82-1	1,2,4-Trichlorobenzene	ND	2.7	0.37	U	
108-67-8	1,3,5-Trimethylbenzene	ND	2.7	0.26	U	
95-63-6	1,2,4-Trimethylbenzene	ND	2.7	0.45	U	
123-91-1	1,4-Dioxane	ND	110	48.	U	
105-05-5	p-Diethylbenzene	1.8	2.7	0.24	J	
622-96-8	p-Ethyltoluene	ND	2.7	0.52	U	
95-93-2	1,2,4,5-Tetramethylbenzene	2.1	2.7	0.26	J	
60-29-7	Ethyl ether	ND	2.7	0.46	U	

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2306838-03	**Date Collected**	: 02/08/23 10:00
Client ID	: PX-SW	**Date Received**	: 02/08/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/10/23 18:37
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: AJK
Lab File ID	: V11230210A25	**Instrument ID**	: VOA111
Sample Amount	: 4.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 92
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.8	1.9	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2306838-04	Date Collected	: 02/08/23 12:15
Client ID	: FIELD BLANK	Date Received	: 02/08/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/09/23 12:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V01230209A15	Instrument ID	: VOA101
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	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2306838-04	Date Collected	: 02/08/23 12:15
Client ID	: FIELD BLANK	Date Received	: 02/08/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/09/23 12:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V01230209A15	Instrument ID	: VOA101
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	0.70	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	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2306838-04	Date Collected	: 02/08/23 12:15
Client ID	: FIELD BLANK	Date Received	: 02/08/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/09/23 12:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V01230209A15	Instrument ID	: VOA101
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	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2306838-04	Date Collected	: 02/08/23 12:15
Client ID	: FIELD BLANK	Date Received	: 02/08/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/09/23 12:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V01230209A15	Instrument ID	: VOA101
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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2306838-05	Date Collected	: 02/08/23 00:00
Client ID	: TRIP BLANK	Date Received	: 02/08/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/09/23 13:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: KJD
Lab File ID	: V01230209A16	Instrument ID	: VOA101
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	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2306838-05	Date Collected	: 02/08/23 00:00
Client ID	: TRIP BLANK	Date Received	: 02/08/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/09/23 13:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: KJD
Lab File ID	: V01230209A16	Instrument ID	: VOA101
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	0.70	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	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2306838-05	Date Collected	: 02/08/23 00:00
Client ID	: TRIP BLANK	Date Received	: 02/08/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/09/23 13:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: KJD
Lab File ID	: V01230209A16	Instrument ID	: VOA101
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	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2306838-05	Date Collected	: 02/08/23 00:00
Client ID	: TRIP BLANK	Date Received	: 02/08/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/09/23 13:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: KJD
Lab File ID	: V01230209A16	Instrument ID	: VOA101
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

VOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8260C Volatiles Data
for Alpha Analytical, SDG Number: L2306838

3 Soil Samples, 1 Field Duplicate,
and 1 Trip Blank
Collected February 8, 2023

Prepared by: Donald Anné
April 27, 2023

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for acetone, 2-butanone, 4-methyl-2-pentanone, and 1,1,2-trichloroethane were below the method minimums, but not below 0.010 for VOA101 on 12-16-22. The average RRFs for acetone, 2-butanone, and 4-methyl-2-pentanone were below the method minimums, but not below 0.010 for VOA111 on 01-18-23. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no average RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane and 0.010 for all others) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for acetone, 2-butanone, 4-methyl-2-pentanone, and 1,1,2-trichloroethane were below the method minimums, but not below 0.010 on 02-09-23 (V01230209A01). The RRFs for acetone and 2-butanone were below the method minimums, but not below 0.010 on 02-10-23 (V11230210A01). The RRFs for acetone and 2-butanone were below the method minimums, but not below 0.010 on 02-13-23 (V11230213A02). The %Ds for 7 compounds (highlighted yellow on attached Form 7) were above the method maximum on 02-09-23 (V01230209A01). The %Ds for chloroethane and carbon disulfide were above the method maximum on 02-10-23 (V11230210A01). The %D for carbon disulfide was above the method maximum on 02-13-23 (V11230213A02). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane and 0.010 for all others), as required.

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The %Ds for 7 compounds (highlighted yellow on attached Form 7), ethyl ether, and vinyl acetate were above the allowable maximum (20%) on 02-09-23 (V01230209A01). The %Ds for chloroethane and carbon disulfide were above the allowable maximum (20%) on 02-10-23 (V11230210A01). The %D for carbon disulfide was above the allowable maximum (20%) on 02-13-23 (V11230213A02). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: Method blank WG1743940-5BLANK contained traces of bromomethane (0.65 ug/kg) and naphthalene (0.82 ug/kg). Positive results for bromomethane and naphthalene that are less than 5 times the method blank level should be considered not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples, field blank, and trip blank.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum and the percent recoveries (%Rs) were within QC limits for aqueous samples WG1742861-3/4.

The RPDs for target compounds were below the allowable maximum, but 2 of 2 %Rs for carbon disulfide were above the QC limits for soil samples WG1743940-3/4 and WG1744281-3/4. Positive results for carbon disulfide should be considered estimated, biased high (J+) in associated soil samples.

Compound ID: Checked compounds and surrogates were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1743940-3 **Analysis Date** : 02/10/23 07:56	**File ID**	: V11230210A02
LCSD Sample ID	: WG1743940-4 **Analysis Date** : 02/10/23 08:24	**File ID**	: V11230210A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	40	34	85	40	33	83	2	70-130	30
1,1-Dichloroethane	40	39	97	40	38	94	3	70-130	30
Chloroform	40	39	97	40	38	95	2	70-130	30
Carbon tetrachloride	40	40	100	40	38	96	4	70-130	30
1,2-Dichloropropane	40	39	96	40	38	94	2	70-130	30
Dibromochloromethane	40	39	98	40	39	98	0	70-130	30
1,1,2-Trichloroethane	40	40	99	40	40	99	0	70-130	30
Tetrachloroethene	40	42	106	40	41	102	4	70-130	30
Chlorobenzene	40	39	97	40	38	95	2	70-130	30
Trichlorofluoromethane	40	43	108	40	42	104	4	70-139	30
1,2-Dichloroethane	40	37	92	40	36	90	2	70-130	30
1,1,1-Trichloroethane	40	41	102	40	39	98	4	70-130	30
Bromodichloromethane	40	38	95	40	38	94	1	70-130	30
trans-1,3-Dichloropropene	40	39	98	40	39	97	1	70-130	30
cis-1,3-Dichloropropene	40	39	98	40	39	97	1	70-130	30
1,1-Dichloropropene	40	41	101	40	39	98	3	70-130	30
Bromoform	40	38	96	40	39	97	1	70-130	30
1,1,2,2-Tetrachloroethane	40	39	98	40	40	100	2	70-130	30
Benzene	40	39	98	40	38	94	4	70-130	30
Toluene	40	39	98	40	39	96	2	70-130	30
Ethylbenzene	40	40	101	40	39	98	3	70-130	30
Chloromethane	40	37	92	40	35	87	6	52-130	30
Bromomethane	40	44	109	40	42	106	3	57-147	30
Vinyl chloride	40	43	107	40	41	103	4	67-130	30
Chloroethane	40	46	114	40	43	108	5	50-151	30
1,1-Dichloroethene	40	41	101	40	39	98	3	65-135	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1743940-3 **Analysis Date** : 02/10/23 07:56	**File ID**	: V11230210A02
LCSD Sample ID	: WG1743940-4 **Analysis Date** : 02/10/23 08:24	**File ID**	: V11230210A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	40	39	98	40	38	95	3	70-130	30
Trichloroethene	40	41	103	40	39	98	5	70-130	30
1,2-Dichlorobenzene	40	39	98	40	38	96	2	70-130	30
1,3-Dichlorobenzene	40	40	100	40	39	97	3	70-130	30
1,4-Dichlorobenzene	40	39	98	40	39	96	2	70-130	30
Methyl tert butyl ether	40	39	97	40	39	98	1	66-130	30
p/m-Xylene	80	83	104	80	81	101	3	70-130	30
o-Xylene	80	84	105	80	81	102	3	70-130	30
cis-1,2-Dichloroethene	40	39	96	40	37	93	3	70-130	30
Dibromomethane	40	38	95	40	38	95	0	70-130	30
Styrene	80	85	106	80	83	103	3	70-130	30
Dichlorodifluoromethane	40	35	88	40	33	84	5	30-146	30
Acetone	40	40	100	40	41	102	2	54-140	30
Carbon disulfide	40	65	162 Q	40	62	156 Q	4	59-130	30
2-Butanone	40	41	104	40	43	107	3	70-130	30
Vinyl acetate	40	41	102	40	42	105	3	70-130	30
4-Methyl-2-pentanone	40	36	90	40	36	90	0	70-130	30
1,2,3-Trichloropropane	40	39	98	40	39	98	0	68-130	30
2-Hexanone	40	40	100	40	42	105	5	70-130	30
Bromochloromethane	40	39	97	40	38	94	3	70-130	30
2,2-Dichloropropane	40	41	102	40	39	97	5	70-130	30
1,2-Dibromoethane	40	41	102	40	41	102	0	70-130	30
1,3-Dichloropropane	40	39	96	40	39	97	1	69-130	30
1,1,1,2-Tetrachloroethane	40	41	101	40	39	98	3	70-130	30
Bromobenzene	40	38	96	40	37	93	3	70-130	30
n-Butylbenzene	40	44	110	40	42	104	6	70-130	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1743940-3 **Analysis Date** : 02/10/23 07:56	**File ID**	: V11230210A02
LCSD Sample ID	: WG1743940-4 **Analysis Date** : 02/10/23 08:24	**File ID**	: V11230210A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
sec-Butylbenzene	40	42	106	40	41	102	4	70-130	30
tert-Butylbenzene	40	41	101	40	39	98	3	70-130	30
o-Chlorotoluene	40	38	96	40	38	94	2	70-130	30
p-Chlorotoluene	40	39	98	40	39	96	2	70-130	30
1,2-Dibromo-3-chloropropane	40	39	97	40	39	97	0	68-130	30
Hexachlorobutadiene	40	42	104	40	39	98	6	67-130	30
Isopropylbenzene	40	41	102	40	40	99	3	70-130	30
p-Isopropyltoluene	40	42	104	40	40	100	4	70-130	30
Naphthalene	40	40	101	40	40	101	0	70-130	30
Acrylonitrile	40	41	102	40	42	104	2	70-130	30
n-Propylbenzene	40	41	103	40	40	100	3	70-130	30
1,2,3-Trichlorobenzene	40	42	104	40	41	103	1	70-130	30
1,2,4-Trichlorobenzene	40	41	102	40	40	100	2	70-130	30
1,3,5-Trimethylbenzene	40	41	102	40	40	99	3	70-130	30
1,2,4-Trimethylbenzene	40	41	101	40	40	99	2	70-130	30
1,4-Dioxane	2000	2300	114	2000	2200	108	5	65-136	30
p-Diethylbenzene	40	43	107	40	41	102	5	70-130	30
p-Ethyltoluene	40	42	105	40	40	101	4	70-130	30
1,2,4,5-Tetramethylbenzene	40	40	100	40	39	98	2	70-130	30
Ethyl ether	40	43	107	40	42	105	2	67-130	30
trans-1,4-Dichloro-2-butene	40	44	111	40	44	111	0	70-130	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1744281-3 **Analysis Date** : 02/13/23 07:55	**File ID**	: V11230213A02
LCSD Sample ID	: WG1744281-4 **Analysis Date** : 02/13/23 08:23	**File ID**	: V11230213A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	40	32	81	40	32	79	3	70-130	30
1,1-Dichloroethane	40	37	93	40	36	90	3	70-130	30
Chloroform	40	37	93	40	36	91	2	70-130	30
Carbon tetrachloride	40	40	100	40	39	98	2	70-130	30
1,2-Dichloropropane	40	37	92	40	36	90	2	70-130	30
Dibromochloromethane	40	37	93	40	37	92	1	70-130	30
1,1,2-Trichloroethane	40	37	93	40	37	91	2	70-130	30
Tetrachloroethene	40	41	104	40	41	103	1	70-130	30
Chlorobenzene	40	37	93	40	37	92	1	70-130	30
Trichlorofluoromethane	40	43	108	40	42	105	3	70-139	30
1,2-Dichloroethane	40	35	88	40	34	86	2	70-130	30
1,1,1-Trichloroethane	40	40	100	40	38	95	5	70-130	30
Bromodichloromethane	40	37	91	40	36	89	2	70-130	30
trans-1,3-Dichloropropene	40	37	92	40	37	93	1	70-130	30
cis-1,3-Dichloropropene	40	38	95	40	37	93	2	70-130	30
1,1-Dichloropropene	40	41	101	40	39	98	3	70-130	30
Bromoform	40	37	93	40	38	94	1	70-130	30
1,1,2,2-Tetrachloroethane	40	37	92	40	37	93	1	70-130	30
Benzene	40	37	94	40	37	92	2	70-130	30
Toluene	40	37	93	40	38	95	2	70-130	30
Ethylbenzene	40	39	96	40	38	95	1	70-130	30
Chloromethane	40	34	84	40	33	82	2	52-130	30
Bromomethane	40	36	91	40	36	91	0	57-147	30
Vinyl chloride	40	38	95	40	37	92	3	67-130	30
Chloroethane	40	43	107	40	41	102	5	50-151	30
1,1-Dichloroethene	40	40	101	40	39	98	3	65-135	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1744281-3 **Analysis Date** : 02/13/23 07:55	**File ID**	: V11230213A02
LCSD Sample ID	: WG1744281-4 **Analysis Date** : 02/13/23 08:23	**File ID**	: V11230213A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	40	39	96	40	37	93	3	70-130	30
Trichloroethene	40	40	100	40	39	97	3	70-130	30
1,2-Dichlorobenzene	40	37	92	40	37	93	1	70-130	30
1,3-Dichlorobenzene	40	38	95	40	38	96	1	70-130	30
1,4-Dichlorobenzene	40	37	92	40	37	94	2	70-130	30
Methyl tert butyl ether	40	38	95	40	37	92	3	66-130	30
p/m-Xylene	80	79	99	80	79	98	1	70-130	30
o-Xylene	80	79	99	80	79	99	0	70-130	30
cis-1,2-Dichloroethene	40	37	93	40	36	91	2	70-130	30
Dibromomethane	40	37	92	40	36	90	2	70-130	30
Styrene	80	80	100	80	80	100	0	70-130	30
Dichlorodifluoromethane	40	34	84	40	32	79	6	30-146	30
Acetone	40	39	97	40	37	91	6	54-140	30
Carbon disulfide	40	63	157 Q	40	61	151 Q	4	59-130	30
2-Butanone	40	40	99	40	37	91	8	70-130	30
Vinyl acetate	40	40	99	40	38	96	3	70-130	30
4-Methyl-2-pentanone	40	35	86	40	33	83	4	70-130	30
1,2,3-Trichloropropane	40	37	91	40	37	92	1	68-130	30
2-Hexanone	40	39	98	40	37	93	5	70-130	30
Bromochloromethane	40	38	95	40	36	91	4	70-130	30
2,2-Dichloropropane	40	40	100	40	38	96	4	70-130	30
1,2-Dibromoethane	40	39	97	40	38	96	1	70-130	30
1,3-Dichloropropane	40	37	92	40	37	91	1	69-130	30
1,1,1,2-Tetrachloroethane	40	38	96	40	39	98	2	70-130	30
Bromobenzene	40	37	92	40	37	93	1	70-130	30
n-Butylbenzene	40	41	102	40	41	104	2	70-130	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1744281-3 **Analysis Date** : 02/13/23 07:55	**File ID**	: V11230213A02
LCSD Sample ID	: WG1744281-4 **Analysis Date** : 02/13/23 08:23	**File ID**	: V11230213A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
sec-Butylbenzene	40	40	101	40	41	102	1	70-130	30
tert-Butylbenzene	40	39	99	40	40	100	1	70-130	30
o-Chlorotoluene	40	37	93	40	38	95	2	70-130	30
p-Chlorotoluene	40	37	94	40	38	94	0	70-130	30
1,2-Dibromo-3-chloropropane	40	35	89	40	35	89	0	68-130	30
Hexachlorobutadiene	40	38	96	40	39	97	1	67-130	30
Isopropylbenzene	40	39	98	40	40	101	3	70-130	30
p-Isopropyltoluene	40	40	99	40	40	100	1	70-130	30
Naphthalene	40	37	93	40	38	94	1	70-130	30
Acrylonitrile	40	40	101	40	39	97	4	70-130	30
n-Propylbenzene	40	39	98	40	40	99	1	70-130	30
1,2,3-Trichlorobenzene	40	38	94	40	38	95	1	70-130	30
1,2,4-Trichlorobenzene	40	38	94	40	38	96	2	70-130	30
1,3,5-Trimethylbenzene	40	39	97	40	40	99	2	70-130	30
1,2,4-Trimethylbenzene	40	38	95	40	39	98	3	70-130	30
1,4-Dioxane	2000	2200	108	2000	2100	106	2	65-136	30
p-Diethylbenzene	40	40	101	40	40	101	0	70-130	30
p-Ethyltoluene	40	40	100	40	41	101	1	70-130	30
1,2,4,5-Tetramethylbenzene	40	37	94	40	38	95	1	70-130	30
Ethyl ether	40	41	102	40	40	99	3	67-130	30
trans-1,4-Dichloro-2-butene	40	42	104	40	41	104	0	70-130	30

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1743940-5	Date Collected	: NA
Client ID	: WG1743940-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/10/23 09:19
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: NLK
Lab File ID	: V11230210A05	Instrument ID	: VOA111
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5.0	2.3	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	U
67-66-3	Chloroform	ND	1.5	0.14	U
56-23-5	Carbon tetrachloride	ND	1.0	0.23	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.12	U
124-48-1	Dibromochloromethane	ND	1.0	0.14	U
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.27	U
127-18-4	Tetrachloroethene	ND	0.50	0.20	U
108-90-7	Chlorobenzene	ND	0.50	0.13	U
75-69-4	Trichlorofluoromethane	ND	4.0	0.70	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.17	U
75-27-4	Bromodichloromethane	ND	0.50	0.11	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.27	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.16	U
563-58-6	1,1-Dichloropropene	ND	0.50	0.16	U
75-25-2	Bromoform	ND	4.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.17	U
108-88-3	Toluene	ND	1.0	0.54	U
100-41-4	Ethylbenzene	ND	1.0	0.14	U
74-87-3	Chloromethane	ND	4.0	0.93	U
74-83-9	Bromomethane	0.65	2.0	0.58	J
75-01-4	Vinyl chloride	ND	1.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1743940-5	Date Collected	: NA
Client ID	: WG1743940-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/10/23 09:19
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: NLK
Lab File ID	: V11230210A05	Instrument ID	: VOA111
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.0	0.45	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.14	U
79-01-6	Trichloroethene	ND	0.50	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.56	U
95-47-6	o-Xylene	ND	1.0	0.29	U
1330-20-7	Xylenes, Total	ND	1.0	0.29	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
540-59-0	1,2-Dichloroethene, Total	ND	1.0	0.14	U
74-95-3	Dibromomethane	ND	2.0	0.24	U
100-42-5	Styrene	ND	1.0	0.20	U
75-71-8	Dichlorodifluoromethane	ND	10	0.92	U
67-64-1	Acetone	ND	10	4.8	U
75-15-0	Carbon disulfide	ND	10	4.6	U
78-93-3	2-Butanone	ND	10	2.2	U
108-05-4	Vinyl acetate	ND	10	2.2	U
108-10-1	4-Methyl-2-pentanone	ND	10	1.3	U
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.13	U
591-78-6	2-Hexanone	ND	10	1.2	U
74-97-5	Bromochloromethane	ND	2.0	0.20	U
594-20-7	2,2-Dichloropropane	ND	2.0	0.20	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1743940-5	Date Collected	: NA
Client ID	: WG1743940-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/10/23 09:19
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: NLK
Lab File ID	: V11230210A05	Instrument ID	: VOA111
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	U
142-28-9	1,3-Dichloropropane	ND	2.0	0.17	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	U
108-86-1	Bromobenzene	ND	2.0	0.14	U
104-51-8	n-Butylbenzene	ND	1.0	0.17	U
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
95-49-8	o-Chlorotoluene	ND	2.0	0.19	U
106-43-4	p-Chlorotoluene	ND	2.0	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.0	1.0	U
87-68-3	Hexachlorobutadiene	ND	4.0	0.17	U
98-82-8	Isopropylbenzene	ND	1.0	0.11	U
99-87-6	p-Isopropyltoluene	ND	1.0	0.11	U
91-20-3	Naphthalene	0.82	4.0	0.65	J
107-13-1	Acrylonitrile	ND	4.0	1.2	U
103-65-1	n-Propylbenzene	ND	1.0	0.17	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.32	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.27	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.33	U
123-91-1	1,4-Dioxane	ND	80	35.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.18	U
622-96-8	p-Ethyltoluene	ND	2.0	0.38	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.19	U
60-29-7	Ethyl ether	ND	2.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1743940-5	Date Collected	: NA
Client ID	: WG1743940-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/10/23 09:19
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: NLK
Lab File ID	: V11230210A05	Instrument ID	: VOA111
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	1.4	U

Initial Calibration Summary
Form 6
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA101	**Ical Ref**	: ICAL19605
Calibration dates	: 12/16/22 12:37 12/16/22 16:31		

Calibration Files

L11 =V01221216A02.D L1 =V01221216A03.D L2 =V01221216A05.D L3 =V01221216A07.D L4 =V01221216A08.D

L6 =V01221216A09.D L8 =V01221216A10.D L10 =V01221216A11.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.179	0.217	0.227	0.228	0.238	0.246	0.252	0.227	10.75
3)	TP	Chloromethane		0.242	0.287	0.264	0.260	0.260	0.262	0.272	0.264	5.16
4)	TC	Vinyl chloride	0.319	0.319	0.391	0.385	0.382	0.383	0.383	0.390	0.369	8.39
5)	TP	Bromomethane		0.192	0.216	0.215	0.237	0.277	0.302	0.323	0.252	19.56
6)	TP	Chloroethane		0.299	0.327	0.304	0.303	0.298	0.293	0.282	0.301	4.57
7)	TP	Trichlorofluor		0.505	0.616	0.629	0.638	0.672	0.701	0.718	0.640	11.01
8)	TP	Ethyl ether		0.153	0.163	0.143	0.154	0.151	0.153	0.151	0.152	3.97
10)	TC	1,1-Dichloroet		0.309	0.352	0.350	0.355	0.369	0.382	0.395	0.359	7.72
11)	TP	Carbon disulfide		0.607	0.657	0.635	0.648	0.666	0.685	0.718	0.659	5.40
12)	TP	Freon-113		0.294	0.376	0.406	0.412	0.428	0.447	0.456	0.403	13.59
13)	TP	Iodomethane		0.264	0.340	0.285	0.315	0.395	0.313	0.432	0.335	17.91
14)	TP	Acrolein		0.016	0.023	0.021	0.024	0.025	0.026	0.025	0.023	14.99
15)	TP	Methylene chlo		0.210	0.252	0.223	0.233	0.234	0.237	0.246	0.233	6.02
17)	TP	Acetone			0.059	0.048	0.047	0.042	0.042	0.045	0.047	13.02
18)	TP	trans-1,2-Dich		0.193	0.252	0.230	0.238	0.250	0.259	0.273	0.242	10.68
19)	TP	Methyl acetate			0.109	0.097	0.108	0.111	0.113	0.116	0.109	6.11
20)	TP	Methyl tert butyl ether		0.423	0.437	0.403	0.444	0.458	0.468	0.483	0.445	6.15
21)	TP	tert-Butyl alc			0.008	0.008	0.010	0.011	0.012	0.012	0.010	17.34
22)	TP	Diisopropyl ether		0.714	0.818	0.762	0.836	0.864	0.884	0.921	0.829	8.62
23)	TP	1,1-Dichloroet		0.379	0.470	0.437	0.449	0.462	0.471	0.488	0.451	7.94
24)	TP	Halothane		0.155	0.172	0.176	0.182	0.195	0.203	0.214	0.186	10.83
25)	TP	Acrylonitrile		0.033	0.043	0.041	0.049	0.050	0.051	0.052	0.046	15.27
26)	TP	Ethyl tert-but		0.578	0.631	0.591	0.664	0.694	0.722	0.770	0.664	10.54
27)	TP	Vinyl acetate			0.368	0.351	0.444	0.502	0.530	0.553	0.458	18.56
28)	TP	cis-1,2-Dichlo		0.232	0.272	0.255	0.268	0.276	0.284	0.293	0.269	7.55
29)	TP	2,2-Dichloropr		0.287	0.334	0.330	0.352	0.372	0.382	0.392	0.350	10.36
30)	TP	Bromochloromet		0.116	0.125	0.117	0.127	0.126	0.129	0.139	0.125	6.18
31)	TP	Cyclohexane			0.369	0.428	0.453	0.489	0.510	0.544	0.466	13.46
32)	TC	Chloroform		0.401	0.462	0.419	0.436	0.446	0.455	0.471	0.442	5.60
33)	TP	Ethyl acetate			0.136	0.135	0.158	0.164	0.168	0.171	0.155	10.23
34)	TP	Carbon tetrachloride	0.335	0.223	0.272	0.295	0.328	0.369	0.393	0.414	0.329	19.48
35)	TP	Tetrahydrofuran			0.045	0.041	0.046	0.044	0.044	0.044	0.044	3.49
36)	S	Dibromofluoromethane	0.275	0.274	0.277	0.274	0.278	0.283	0.283	0.289	0.279	1.92
37)	TP	1,1,1-Trichlor		0.283	0.353	0.352	0.377	0.398	0.410	0.423	0.371	12.76
39)	TP	2-Butanone			0.051	0.055	0.067	0.067	0.066	0.067	0.062	11.87

Initial Calibration Summary
Form 6
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA101	**Ical Ref**	: ICAL19605
Calibration dates	: 12/16/22 12:37 12/16/22 16:31		

Calibration Files
L11 =V01221216A02.D L1 =V01221216A03.D L2 =V01221216A05.D L3 =V01221216A07.D L4 =V01221216A08.D
L6 =V01221216A09.D L8 =V01221216A10.D L10 =V01221216A11.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropr		0.247	0.306	0.317	0.338	0.353	0.361	0.374	0.328	13.15
41) TP	Benzene	1.381	0.808	0.973	0.919	0.964	0.993	1.020	1.073	1.016	16.38
42) TP	Tertiary-Amyl Methyl Ether		0.468	0.504	0.486	0.550	0.569	0.589	0.616	0.540	10.27
43) S	1,2-Dichloroethane-d4	0.301	0.295	0.298	0.302	0.301	0.309	0.313	0.322	0.305	2.95
44) TP	1,2-Dichloroet		0.298	0.321	0.285	0.306	0.303	0.305	0.313	0.304	3.72
47) TP	Methyl cyclohe			0.324	0.389	0.423	0.454	0.479	0.532	0.433	16.70
48) TP	Trichloroethene		0.209	0.270	0.260	0.275	0.288	0.306	0.342	0.278	14.80
50) TP	Dibromomethane		0.124	0.135	0.126	0.138	0.138	0.140	0.145	0.135	5.63
51) TC	1,2-Dichloropr		0.211	0.243	0.233	0.251	0.256	0.259	0.268	0.246	7.74
54) TP	Bromodichlorom		0.250	0.290	0.277	0.313	0.325	0.334	0.348	0.305	11.35
57) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	6.59
58) TP	cis-1,3-Dichlo		0.262	0.319	0.322	0.372	0.388	0.402	0.419	0.355	15.72
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.268	1.267	1.277	1.256	1.214	1.193	1.157	1.120	1.219	4.78
61) TC	Toluene		0.655	0.803	0.754	0.776	0.798	0.809	0.840	0.776	7.70
62) TP	4-Methyl-2-pen			0.058	0.056	0.063	0.068	0.068	0.069	0.064	8.69
63) TP	Tetrachloroethene		0.256	0.322	0.325	0.337	0.354	0.363	0.384	0.334	12.26
65) TP	trans-1,3-Dich		0.266	0.340	0.334	0.391	0.407	0.410	0.427	0.368	15.58
67) TP	Ethyl methacry			0.188	0.202	0.255	0.275	0.283	0.296	0.250	17.93
68) TP	1,1,2-Trichlor		0.170	0.192	0.178	0.188	0.188	0.188	0.194	0.185#	4.59
69) TP	Chlorodibromom		0.176	0.226	0.224	0.263	0.284	0.288	0.294	0.251	17.34
70) TP	1,3-Dichloropr		0.354	0.394	0.366	0.390	0.385	0.377	0.376	0.377	3.75
71) TP	1,2-Dibromoethane		0.187	0.216	0.202	0.224	0.225	0.225	0.223	0.215	6.82
72) TP	2-Hexanone			0.097	0.104	0.123	0.130	0.126	0.125	0.117	11.51
73) TP	Chlorobenzene		0.782	0.935	0.851	0.897	0.931	0.945	0.988	0.904	7.59
74) TC	Ethylbenzene		1.225	1.482	1.471	1.561	1.640	1.674	1.756	1.544	11.29
75) TP	1,1,1,2-Tetrac		0.215	0.257	0.261	0.302	0.327	0.332	0.345	0.291	16.43
76) TP	p/m Xylene		0.421	0.566	0.572	0.634	0.691	0.732		0.603	18.29
77) TP	o Xylene		0.404	0.529	0.526	0.584	0.637	0.674	0.759	0.587	19.71
78) TP	Styrene		0.595	0.810	0.844	0.973	1.067	1.119		*L	0.9966
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.153	0.191	0.212	0.278	0.324	0.336		*Q	0.9985
82) TP	Isopropylbenzene		2.140	2.665	2.720	2.822	2.977	3.034	3.168	2.789	12.09
83) S	4-Bromofluorobenzene	0.862	0.868	0.876	0.841	0.802	0.780	0.762	0.730	0.815	6.71
84) TP	Bromobenzene		0.563	0.671	0.621	0.654	0.673	0.675	0.689	0.649	6.76
85) TP	n-Propylbenzene		2.511	3.164	3.206	3.341	3.520	3.603	3.791	3.305	12.55

Initial Calibration Summary
Form 6
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA101	**Ical Ref**	: ICAL19605
Calibration dates	: 12/16/22 12:37 12/16/22 16:31		

Calibration Files

L11 =V01221216A02.D L1 =V01221216A03.D L2 =V01221216A05.D L3 =V01221216A07.D L4 =V01221216A08.D

L6 =V01221216A09.D L8 =V01221216A10.D L10 =V01221216A11.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
86) TP	1,4-Dichlorobu		0.576	0.667	0.603	0.646	0.663	0.663	0.694	0.645	6.38
87) TP	1,1,2,2-Tetrac		0.459	0.482	0.431	0.465	0.470	0.455	0.447	0.458	3.62
88) TP	4-Ethyltoluene		1.897	2.590	2.558	2.726	2.841	2.893	3.044	2.650	14.08
89) TP	2-Chlorotoluene		1.584	1.921	1.813	1.906	1.935	1.924	1.983	1.867	7.21
90) TP	1,3,5-Trimethy		1.667	2.105	2.128	2.299	2.418	2.499	2.718	2.262	14.95
91) TP	1,2,3-Trichlor		0.326	0.391	0.353	0.385	0.396	0.405	0.434	0.384	9.23
92) TP	trans-1,4-Dich			0.124	0.110	0.126	0.129	0.125	0.124	0.123	5.52
93) TP	4-Chlorotoluene		1.528	1.883	1.817	1.919	1.965	1.989	2.061	1.880	9.24
94) TP	tert-Butylbenzene		1.430	1.693	1.808	1.910	2.000	2.046	2.152	1.863	13.09
97) TP	1,2,4-Trimethy		1.609	2.045	2.077	2.222	2.329	2.368	2.508	2.165	13.60
98) TP	sec-Butylbenzene		1.912	2.478	2.590	2.759	2.885	2.940	3.071	2.662	14.59
99) TP	p-Isopropyltol		1.524	1.986	2.175	2.334	2.462	2.528	2.682	2.242	17.45
100) TP	1,3-Dichlorobe		0.989	1.209	1.169	1.263	1.298	1.309	1.357	1.228	9.99
101) TP	1,4-Dichlorobe		1.158	1.291	1.177	1.257	1.295	1.308	1.364	1.264	5.82
102) TP	p-Diethylbenzene		0.877	1.099	1.190	1.306	1.372	1.407	1.504	1.251	17.07
103) TP	n-Butylbenzene		1.337	1.608	1.787	1.900	1.960	1.980	2.046	1.803	13.95
104) TP	1,2-Dichlorobe		0.958	1.097	1.032	1.121	1.152	1.149	1.189	1.100	7.26
105) TP	1,2,4,5-Tetram		1.181	1.492	1.577	1.735	1.855	1.904	2.048	1.684	17.38
106) TP	1,2-Dibromo-3-		0.011	0.046	0.048	0.059	0.066	0.065	0.065	*L	0.9984
107) TP	1,3,5-Trichlor		0.503	0.592	0.597	0.629	0.648	0.656	0.696	0.617	10.02
108) TP	Hexachlorobuta		0.155	0.194	0.195	0.207	0.211	0.215	0.233	0.201	12.06
109) TP	1,2,4-Trichlor		0.448	0.502	0.490	0.527	0.534	0.540	0.574	0.516	7.87
110) TP	Naphthalene		0.928	1.070	1.076	1.214	1.258	1.240	1.239	1.147	10.86
111) TP	1,2,3-Trichlor		0.376	0.432	0.396	0.434	0.444	0.445	0.459	0.427	6.89

Initial Calibration Summary
Form 6
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA111	**Ical Ref**	: ICAL19665
Calibration dates	: 01/18/23 11:38 01/18/23 16:33		

Calibration Files

L1 =V11230118A05.D L2 =V11230118A09.D L3 =V11230118A10.D L4 =V11230118A11.D L1.5=V11230118A07.D

L6 =V11230118A12.D L7 =V11230118A13.D L8 =V11230118A14.D L0 =V11230118A03.D

		Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------										
2)	TP	Dichlorodifluoromethane		0.264	0.161	0.188	0.241	0.249	0.272	0.262		0.234	18.19
3)	TP	Chloromethane	0.240	0.302	0.224	0.246	0.309	0.287	0.293	0.283		0.273	11.56
4)	TC	Vinyl chloride	0.263	0.402	0.273	0.293	0.381	0.365	0.368	0.347		0.337	15.67
5)	TP	Bromomethane	0.401	0.463	0.320	0.314	0.462	0.340	0.331	0.328		0.370	17.06
6)	TP	Chloroethane	0.107	0.175	0.133	0.146	0.151	0.187				0.150	19.13
7)	TP	Trichlorofluoromethane		0.351	0.231	0.265	0.314	0.355	0.396	0.414		*Q	0.9968
8)	TP	Ethyl ether	0.077	0.099	0.087	0.099	0.096	0.109	0.115	0.114		0.100	13.25
10)	TP	1,1-Dichloroethene	0.158	0.217	0.152	0.169	0.201	0.220	0.238	0.243		0.200	17.97
11)	TP	Carbon disulfide		0.490	0.334	0.362	0.526	0.452	0.480	0.482		0.446	15.98
12)	TP	Freon-113		0.231	0.150	0.168	0.207	0.235	0.262	0.261		*Q	0.9946
14)	TP	Acrolein			0.020	0.023		0.029	0.031	0.030		0.027	16.98
15)	TP	Methylene chloride	0.382	0.303	0.230	0.245	0.324	0.272	0.280	0.280		0.289	16.51
17)	TP	Acetone		0.077	0.054	0.061	0.087	0.068	0.066	0.062		0.068	16.03
18)	TP	trans-1,2-Dichloroethene	0.185	0.252	0.196	0.211	0.250	0.258	0.276	0.278		0.238	15.07
19)	TP	Methyl acetate		0.133	0.112	0.121	0.133	0.137	0.143	0.137		0.131	8.33
20)	TP	Methyl tert-butyl ether	0.553	0.553	0.472	0.531	0.551	0.596	0.623	0.615		0.562	8.77
21)	TP	tert-Butyl alcohol		0.022	0.019	0.022	0.018	0.025	0.025	0.024		0.022	11.99
22)	TP	Diisopropyl ether	0.665	0.743	0.627	0.714	0.727	0.806	0.838	0.824		0.743	10.22
23)	TC	1,1-Dichloroethane	0.376	0.451	0.363	0.396	0.444	0.461	0.481	0.475		0.431	10.67
24)	TP	Halothane		0.191	0.134	0.148	0.179	0.189	0.207	0.208		0.180	15.93
25)	TP	Acrylonitrile		0.056	0.050	0.057	0.040	0.065	0.067	0.064		0.057	16.55
26)	TP	Ethyl tert-butyl ether	0.668	0.702	0.621	0.701	0.704	0.798	0.835	0.831		0.732	10.81
27)	TP	Vinyl acetate		0.450	0.408	0.451	0.462	0.490	0.533	0.509		0.472	8.89
28)	TP	cis-1,2-Dichloroethene	0.230	0.271	0.228	0.252	0.274	0.292	0.305	0.307		0.270	11.52
29)	TP	2,2-Dichloropropane	0.297	0.381	0.276	0.300	0.378	0.380	0.406	0.402		0.353	14.83
30)	TP	Bromochloromethane	0.095	0.130	0.112	0.120	0.122	0.135	0.141	0.147		0.125	13.47
31)	TP	Cyclohexane		0.361	0.243	0.278	0.346	0.403	0.446	0.441		*Q	0.9935
32)	TC	Chloroform	0.387	0.469	0.389	0.415	0.467	0.489	0.504	0.512		0.454	11.05
33)	TP	Ethyl acetate		0.196	0.166	0.189		0.213	0.217	0.206		0.198	9.57
34)	TP	Carbon tetrachloride	0.237	0.339	0.229	0.256	0.322	0.341	0.379	0.382		0.310	19.91
35)	TP	Tetrahydrofuran		0.052	0.044	0.051		0.058	0.059	0.053		0.053	9.86
36)	S	Dibromofluoromethane	0.256	0.259	0.251	0.254	0.257	0.255	0.258	0.262	0.257	0.257	1.22
37)	TP	1,1,1-Trichloroethane	0.296	0.371	0.267	0.292	0.356	0.374	0.404	0.402	0.281	0.338	15.96
39)	TP	2-Butanone		0.091	0.074	0.085		0.097	0.094	0.088		0.088	9.28
40)	TP	1,1-Dichloropropene	0.227	0.307	0.219	0.251	0.309	0.328	0.353	0.350	0.201	*Q	0.9959

Initial Calibration Summary
Form 6
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA111	**Ical Ref**	: ICAL19665
Calibration dates	: 01/18/23 11:38 01/18/23 16:33		

Calibration Files

L1 =V11230118A05.D L2 =V11230118A09.D L3 =V11230118A10.D L4 =V11230118A11.D L1.5=V11230118A07.D

L6 =V11230118A12.D L7 =V11230118A13.D L8 =V11230118A14.D L0 =V11230118A03.D

		Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
41)	TP	Benzene	0.844	0.999	0.798	0.868	1.001	1.013	1.062	1.060	0.860	0.945	10.74
42)	TP	tert-Amyl methyl ether	0.628	0.643	0.563	0.648	0.641	0.731	0.759	0.746		0.670	10.20
43)	S	1,2-Dichloroethane-d4	0.260	0.255	0.252	0.251	0.253	0.252	0.254	0.255	0.257	0.254	1.10
44)	TP	1,2-Dichloroethane	0.320	0.328	0.274	0.303	0.332	0.333	0.340	0.332		0.320	6.78
47)	TP	Methyl cyclohexane	0.272	0.377	0.261	0.300	0.359	0.440	0.492	0.495		*Q	0.9941
48)	TP	Trichloroethene	0.189	0.261	0.198	0.220	0.257	0.275	0.296	0.302	0.183	0.242	18.92
50)	TP	Dibromomethane	0.130	0.149	0.130	0.146	0.152	0.163	0.170	0.167		0.151	10.12
51)	TC	1,2-Dichloropropane	0.194	0.257	0.217	0.240	0.250	0.270	0.280	0.274		0.248	12.00
53)	TP	2-Chloroethyl vinyl ether		0.088	0.076	0.091	0.080	0.110	0.118	0.114		0.097	17.67
54)	TP	Bromodichloromethane	0.325	0.355	0.299	0.333	0.362	0.377	0.392	0.388	0.288	0.347	10.88
57)	TP	1,4-Dioxane		0.002	0.002	0.002	0.001	0.002	0.002	0.002		*L	0.9993
58)	TP	cis-1,3-Dichloropropene	0.362	0.399	0.344	0.390	0.387	0.442	0.463	0.459	0.302	0.394	13.70
59)	I	Chlorobenzene-d5	----------ISTD----------										
60)	S	Toluene-d8	1.315	1.307	1.321	1.296	1.299	1.294	1.271	1.271	1.294	1.296	1.33
61)	TC	Toluene	0.669	0.790	0.642	0.693	0.809	0.836	0.868	0.876		0.773	11.92
62)	TP	4-Methyl-2-pentanone		0.076	0.075	0.090	0.056	0.104	0.106	0.103		*L	0.9975
63)	TP	Tetrachloroethene	0.214	0.308	0.236	0.254	0.305	0.337	0.361	0.373	0.222	*Q	0.9971
65)	TP	trans-1,3-Dichloropropene	0.431	0.474	0.415	0.466	0.458	0.530	0.539	0.533		0.481	10.01
67)	TP	Ethyl methacrylate	0.313	0.310	0.288	0.334	0.308	0.388	0.406	0.400		0.343	13.68
68)	TP	1,1,2-Trichloroethane	0.207	0.228	0.201	0.223	0.234	0.246	0.251	0.247		0.230	8.11
69)	TP	Chlorodibromomethane	0.303	0.326	0.284	0.313	0.325	0.359	0.370	0.368	0.265	0.324	11.41
70)	TP	1,3-Dichloropropane	0.434	0.465	0.406	0.447	0.464	0.505	0.504	0.490		0.464	7.50
71)	TP	1,2-Dibromoethane	0.219	0.270	0.236	0.258	0.264	0.294	0.302	0.294	0.189	0.258	14.69
72)	TP	2-Hexanone	0.136	0.167	0.141	0.168	0.150	0.196	0.194	0.182		0.167	13.82
73)	TP	Chlorobenzene	0.775	0.915	0.776	0.841	0.945	0.974	1.005	1.013	0.884	0.903	10.08
74)	TC	Ethylbenzene	1.221	1.434	1.191	1.304	1.501	1.629	1.691	1.680		1.456	13.90
75)	TP	1,1,1,2-Tetrachloroethane	0.279	0.319	0.278	0.306	0.308	0.356	0.365	0.366	0.208	0.309	16.49
76)	TP	p/m Xylene	0.471	0.536	0.462	0.511	0.537	0.633	0.666	0.688	0.488	0.555	15.48
77)	TP	o Xylene	0.454	0.517	0.457	0.500	0.520	0.616	0.647	0.659	0.455	0.536	15.50
78)	TP	Styrene	0.735	0.842	0.778	0.877	0.834	1.070	1.107	1.120	0.785	0.905	16.74
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------										
80)	TP	Bromoform	0.319	0.361	0.332	0.380	0.369	0.439	0.484	0.515		0.400	17.93
82)	TP	Isopropylbenzene	2.189	2.621	2.192	2.358	2.702	3.000	3.226	3.386		2.709	16.96
83)	S	4-Bromofluorobenzene	0.857	0.837	0.844	0.826	0.834	0.829	0.833	0.856	0.874	0.843	1.90
84)	TP	Bromobenzene	0.628	0.721	0.621	0.668	0.722	0.760	0.807	0.844		0.721	11.18
85)	TP	n-Propylbenzene	2.891	3.239	2.712	2.945	3.457	3.726	3.979	4.142		3.386	15.63

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2306838**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA111**	**Ical Ref**	**: ICAL19665**
Calibration dates	**: 01/18/23 11:38 01/18/23 16:33**		

Calibration Files

L1 =V11230118A05.D L2 =V11230118A09.D L3 =V11230118A10.D L4 =V11230118A11.D L1.5=V11230118A07.D

L6 =V11230118A12.D L7 =V11230118A13.D L8 =V11230118A14.D L0 =V11230118A03.D

	Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
86) TP	1,4-Dichlorobutane	0.793	0.830	0.692	0.770	0.828	0.870	0.895	0.905		0.823	8.58
87) TP	1,1,2,2-Tetrachloroethane	0.701	0.711	0.594	0.641	0.706	0.711	0.736	0.727	0.582	0.679	8.55
88) TP	4-Ethyltoluene	2.200	2.587	2.254	2.430	2.732	3.019	3.184	3.307		2.714	15.50
89) TP	2-Chlorotoluene	1.809	1.922	1.690	1.784	2.097	2.102	2.199	2.288		1.986	10.88
90) TP	1,3,5-Trimethylbenzene	1.939	2.129	1.926	2.086	2.212	2.564	2.737	2.886		2.310	16.00
91) TP	1,2,3-Trichloropropane	0.510	0.544	0.450	0.503	0.515	0.560	0.585	0.593		0.532	8.90
92) TP	trans-1,4-Dichloro-2-b...	0.123	0.190	0.161	0.184	0.157	0.200	0.204	0.201		0.177	16.00
93) TP	4-Chlorotoluene	1.830	1.972	1.756	1.939	2.087	2.246	2.301	2.385		2.064	11.08
94) TP	tert-Butylbenzene	1.660	1.882	1.551	1.704	1.883	2.168	2.332	2.422		1.950	16.55
97) TP	1,2,4-Trimethylbenzene	1.822	2.154	1.946	2.158	2.260	2.575	2.700	2.786		2.300	15.32
98) TP	sec-Butylbenzene	2.335	2.826	2.357	2.594	2.928	3.363	3.564	3.655		2.953	17.73
99) TP	p-Isopropyltoluene	2.017	2.303	2.014	2.231	2.480	2.888	3.056	3.169		2.520	18.28
100) TP	1,3-Dichlorobenzene	1.253	1.361	1.200	1.315	1.400	1.507	1.540	1.600		1.397	10.18
101) TP	1,4-Dichlorobenzene	1.355	1.448	1.224	1.330	1.480	1.511	1.546	1.585		1.435	8.52
102) TP	p-Diethylbenzene	1.191	1.401	1.240	1.367	1.414	1.736	1.846	1.910		1.513	18.35
103) TP	n-Butylbenzene	1.892	2.194	1.908	2.088	2.280	2.672	2.742	2.815		2.324	16.02
104) TP	1,2-Dichlorobenzene	1.223	1.295	1.134	1.263	1.325	1.420	1.454	1.462		1.322	8.86
105) TP	1,2,4,5-Tetramethylben...	1.947	2.065	1.984	2.246	2.207	2.687	2.841	2.929		2.363	16.75
106) TP	1,2-Dibromo-3-chloropr...		0.093	0.088	0.098	0.077	0.114	0.118	0.113		0.100	15.41
107) TP	1,3,5-Trichlorobenzene	0.855	0.893	0.829	0.900	1.000	1.051	1.081	1.112		0.965	11.34
108) TP	Hexachlorobutadiene	0.311	0.407	0.329	0.353	0.411	0.468	0.498	0.505		0.410	18.36
109) TP	1,2,4-Trichlorobenzene	0.780	0.785	0.730	0.792	0.829	0.906	0.922	0.924		0.834	8.95
110) TP	Naphthalene	1.895	1.658	1.499	1.722	1.753	1.963	1.986	1.862		1.792	9.24
111) TP	1,2,3-Trichlorobenzene	0.600	0.662	0.615	0.682	0.688	0.785	0.782	0.755		0.696	10.30

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,		Lab Number	: L2306838	
Project Name	: BRIDGE CLEANERS		Project Number	: BRIDGE CLEANERS	
Instrument ID	: VOA101		Calibration Date	: 02/09/23 06:44	
Lab File ID	: V01230209A01		Init. Calib. Date(s)	: 12/16/22	12/16/22
Sample No	: WG1742861-2		Init. Calib. Times	: 12:37	16:31
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	128	0
Dichlorodifluoromethane	0.227	0.194	-	14.5	20	110	0
Chloromethane	0.264	0.208	-	21.2*	20	101	0
Vinyl chloride	0.369	0.273	-	26*	20	91	0
Bromomethane	0.252	0.117	-	53.6*	20	70	0
Chloroethane	0.301	0.221	-	26.6*	20	93	0
Trichlorofluoromethane	0.64	0.506	-	20.9*	20	103	0
Ethyl ether	0.152	0.12	-	21.1*	20	108	0
1,1-Dichloroethene	0.359	0.268	-	25.3*	20	98	0
Carbon disulfide	0.659	0.776	-	-17.8	20	156	0
Freon-113	0.403	0.324	-	19.6	20	102	0
Acrolein	0.023	0.025	-	-8.7	20	154	0
Methylene chloride	0.233	0.225	-	3.4	20	129	0
Acetone	0.047	0.057	-	-21.3*	20	152	-.01
trans-1,2-Dichloroethene	0.242	0.237	-	2.1	20	131	0
Methyl acetate	0.109	0.12	-	-10.1	20	158	0
Methyl tert-butyl ether	0.445	0.444	-	0.2	20	141	0
tert-Butyl alcohol	0.01	0.011	-	-10	20	171	0
Diisopropyl ether	0.829	0.93	-	-12.2	20	156	0
1,1-Dichloroethane	0.451	0.461	-	-2.2	20	135	0
Halothane	0.186	0.189	-	-1.6	20	137	0
Acrylonitrile	0.046	0.049	-	-6.5	20	153	0
Ethyl tert-butyl ether	0.664	0.676	-	-1.8	20	146	0
Vinyl acetate	0.458	0.56	-	-22.3*	20	204	0
cis-1,2-Dichloroethene	0.269	0.264	-	1.9	20	132	0
2,2-Dichloropropane	0.35	0.391	-	-11.7	20	151	0
Bromochloromethane	0.125	0.123	-	1.6	20	135	0
Cyclohexane	0.466	0.464	-	0.4	20	138	0
Chloroform	0.442	0.445	-	-0.7	20	136	0
Ethyl acetate	0.155	0.178	-	-14.8	20	168	-.01
Carbon tetrachloride	0.329	0.365	-	-10.9	20	158	0
Tetrahydrofuran	0.044	0.05	-	-13.6	20	157	0
Dibromofluoromethane	0.279	0.277	-	0.7	20	129	0
1,1,1-Trichloroethane	0.371	0.392	-	-5.7	20	142	0
2-Butanone	0.062	0.073	-	-17.7	20	170	0
1,1-Dichloropropene	0.328	0.342	-	-4.3	20	138	-.01
Benzene	1.016	0.94	-	7.5	20	131	0
tert-Amyl methyl ether	0.54	0.53	-	1.9	20	139	0
1,2-Dichloroethane-d4	0.305	0.308	-	-1	20	130	0
1,2-Dichloroethane	0.304	0.315	-	-3.6	20	141	0
Methyl cyclohexane	0.433	0.408	-	5.8	20	134	0
Trichloroethene	0.278	0.272	-	2.2	20	134	0
Dibromomethane	0.135	0.132	-	2.2	20	135	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,		Lab Number	: L2306838	
Project Name	: BRIDGE CLEANERS		Project Number	: BRIDGE CLEANERS	
Instrument ID	: VOA101		Calibration Date	: 02/09/23 06:44	
Lab File ID	: V01230209A01		Init. Calib. Date(s)	: 12/16/22	12/16/22
Sample No	: WG1742861-2		Init. Calib. Times	: 12:37	16:31
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.246	0.264	-	-7.3	20	145	0
Bromodichloromethane	0.305	0.337	-	-10.5	20	155	0
1,4-Dioxane	0.00128	0.00104*	-	18.8	20	108	0
cis-1,3-Dichloropropene	0.355	0.381	-	-7.3	20	151	0
Chlorobenzene-d5	1	1	-	0	20	133	0
Toluene-d8	1.219	1.237	-	-1.5	20	131	0
Toluene	0.776	0.758	-	2.3	20	133	0
4-Methyl-2-pentanone	0.064	0.064	-	0	20	151	0
Tetrachloroethene	0.334	0.325	-	2.7	20	133	0
trans-1,3-Dichloropropene	0.368	0.397	-	-7.9	20	158	0
Ethyl methacrylate	0.25	0.256	-	-2.4	20	169	0
1,1,2-Trichloroethane	0.185	0.187*	-	-1.1	20	139	0
Chlorodibromomethane	0.251	0.281	-	-12	20	166	0
1,3-Dichloropropane	0.377	0.391	-	-3.7	20	142	0
1,2-Dibromoethane	0.215	0.213	-	0.9	20	140	0
2-Hexanone	0.117	0.131	-	-12	20	167	0
Chlorobenzene	0.904	0.882	-	2.4	20	138	0
Ethylbenzene	1.544	1.51	-	2.2	20	136	0
1,1,1,2-Tetrachloroethane	0.291	0.318	-	-9.3	20	161	0
p/m Xylene	0.603	0.59	-	2.2	20	137	0
o Xylene	0.587	0.561	-	4.4	20	142	0
Styrene	20	17.595	-	12	20	143	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	132	0
Bromoform	10	11.499	-	-15	20	183	0
Isopropylbenzene	2.789	2.821	-	-1.1	20	137	0
4-Bromofluorobenzene	0.815	0.896	-	-9.9	20	140	0
Bromobenzene	0.649	0.643	-	0.9	20	136	0
n-Propylbenzene	3.305	3.34	-	-1.1	20	137	0
1,4-Dichlorobutane	0.645	0.699	-	-8.4	20	152	0
1,1,2,2-Tetrachloroethane	0.458	0.473	-	-3.3	20	145	0
4-Ethyltoluene	2.65	2.719	-	-2.6	20	140	0
2-Chlorotoluene	1.867	1.933	-	-3.5	20	140	0
1,3,5-Trimethylbenzene	2.262	2.224	-	1.7	20	138	0
1,2,3-Trichloropropane	0.384	0.373	-	2.9	20	139	0
trans-1,4-Dichloro-2-buten	0.123	0.143	-	-16.3	20	172	0
4-Chlorotoluene	1.88	1.911	-	-1.6	20	138	0
tert-Butylbenzene	1.863	1.871	-	-0.4	20	136	0
1,2,4-Trimethylbenzene	2.165	2.163	-	0.1	20	137	0
sec-Butylbenzene	2.662	2.677	-	-0.6	20	136	0
p-Isopropyltoluene	2.242	2.244	-	-0.1	20	136	0
1,3-Dichlorobenzene	1.228	1.204	-	2	20	136	0
1,4-Dichlorobenzene	1.264	1.204	-	4.7	20	135	0
p-Diethylbenzene	1.251	1.263	-	-1	20	140	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838		
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS		
Instrument ID	: VOA101	**Calibration Date**	: 02/09/23 06:44		
Lab File ID	: V01230209A01	**Init. Calib. Date(s)**	: 12/16/22	12/16/22	
Sample No	: WG1742861-2	**Init. Calib. Times**	: 12:37	16:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.803	1.884	-	-4.5	20	139	0
1,2-Dichlorobenzene	1.1	1.067	-	3	20	136	0
1,2,4,5-Tetramethylbenzene	1.684	1.681	-	0.2	20	140	0
1,2-Dibromo-3-chloropropan	10	9.511	-	4.9	20	160	0
1,3,5-Trichlorobenzene	0.617	0.611	-	1	20	135	0
Hexachlorobutadiene	0.201	0.222	-	-10.4	20	150	0
1,2,4-Trichlorobenzene	0.516	0.509	-	1.4	20	137	0
Naphthalene	1.147	1.108	-	3.4	20	136	0
1,2,3-Trichlorobenzene	0.427	0.416	-	2.6	20	138	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,		Lab Number	: L2306838	
Project Name	: BRIDGE CLEANERS		Project Number	: BRIDGE CLEANERS	
Instrument ID	: VOA111		Calibration Date	: 02/10/23 07:29	
Lab File ID	: V11230210A01		Init. Calib. Date(s)	: 01/18/23	01/18/23
Sample No	: WG1743940-2		Init. Calib. Times	: 11:38	16:33
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	75	0
Dichlorodifluoromethane	0.234	0.21	-	10.3	20	84	0
Chloromethane	0.273	0.258	-	5.5	20	78	0
Vinyl chloride	0.337	0.375	-	-11.3	20	96	0
Bromomethane	0.37	0.419	-	-13.2	20	100	0
Chloroethane	0.15	0.187	-	-24.7*	20	96	0
Trichlorofluoromethane	40	44.826	-	-12.1	20	98	0
Ethyl ether	0.1	0.103	-	-3	20	78	0
1,1-Dichloroethene	0.2	0.206	-	-3	20	91	0
Carbon disulfide	0.446	0.742	-	-66.4*	20	153	0
Freon-113	40	45.122	-	-12.8	20	104	0
Acrolein	0.027	0.029	-	-7.4	20	94	0
Methylene chloride	0.289	0.247	-	14.5	20	76	-.01
Acetone	0.068	0.062	-	8.8	20	76	0
trans-1,2-Dichloroethene	0.238	0.239	-	-0.4	20	84	-.01
Methyl acetate	0.131	0.129	-	1.5	20	79	0
Methyl tert-butyl ether	0.562	0.55	-	2.1	20	77	-.01
tert-Butyl alcohol	0.022	0.021	-	4.5	20	73	0
Diisopropyl ether	0.743	0.706	-	5	20	74	-.01
1,1-Dichloroethane	0.431	0.423	-	1.9	20	80	0
Halothane	0.18	0.178	-	1.1	20	90	0
Acrylonitrile	0.057	0.059	-	-3.5	20	78	-.01
Ethyl tert-butyl ether	0.732	0.692	-	5.5	20	74	0
Vinyl acetate	0.472	0.525	-	-11.2	20	87	0
cis-1,2-Dichloroethene	0.27	0.258	-	4.4	20	76	-.01
2,2-Dichloropropane	0.353	0.361	-	-2.3	20	90	-.01
Bromochloromethane	0.125	0.124	-	0.8	20	77	0
Cyclohexane	40	41.516	-	-3.8	20	97	0
Chloroform	0.454	0.449	-	1.1	20	81	-.01
Ethyl acetate	0.198	0.189	-	4.5	20	75	0
Carbon tetrachloride	0.31	0.314	-	-1.3	20	92	-.01
Tetrahydrofuran	0.053	0.052	-	1.9	20	76	-.01
Dibromofluoromethane	0.257	0.255	-	0.8	20	75	-.01
1,1,1-Trichloroethane	0.338	0.346	-	-2.4	20	88	-.01
2-Butanone	0.088	0.087	-	1.1	20	77	-.01
1,1-Dichloropropene	40	41.254	-	-3.1	20	90	-.01
Benzene	0.945	0.928	-	1.8	20	80	0
tert-Amyl methyl ether	0.67	0.636	-	5.1	20	73	-.01
1,2-Dichloroethane-d4	0.254	0.252	-	0.8	20	75	-.01
1,2-Dichloroethane	0.32	0.293	-	8.4	20	72	-.01
Methyl cyclohexane	40	42.439	-	-6.1	20	100	0
Trichloroethene	0.242	0.246	-	-1.7	20	84	-.02
Dibromomethane	0.151	0.143	-	5.3	20	73	-.01

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	Lab Number	: L2306838	
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS	
Instrument ID	: VOA111	Calibration Date	: 02/10/23 07:29	
Lab File ID	: V11230210A01	Init. Calib. Date(s)	: 01/18/23	01/18/23
Sample No	: WG1743940-2	Init. Calib. Times	: 11:38	16:33
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.248	0.24	-	3.2	20	75	-.01
2-Chloroethyl vinyl ether	0.097	0.093	-	4.1	20	76	-.02
Bromodichloromethane	0.347	0.33	-	4.9	20	74	-.01
1,4-Dioxane	2000	2044.692	-	-2.2	20	72	-.02
cis-1,3-Dichloropropene	0.394	0.38	-	3.6	20	73	-.01
Chlorobenzene-d5	1	1	-	0	20	74	-.01
Toluene-d8	1.296	1.327	-	-2.4	20	75	-.01
Toluene	0.773	0.759	-	1.8	20	81	-.01
4-Methyl-2-pentanone	40	36.26	-	9.4	20	74	-.01
Tetrachloroethene	40	41.791	-	-4.5	20	90	-.01
trans-1,3-Dichloropropene	0.481	0.459	-	4.6	20	73	0
Ethyl methacrylate	0.343	0.335	-	2.3	20	74	-.01
1,1,2-Trichloroethane	0.23	0.225	-	2.2	20	74	-.01
Chlorodibromomethane	0.324	0.312	-	3.7	20	73	-.01
1,3-Dichloropropane	0.464	0.446	-	3.9	20	73	-.01
1,2-Dibromoethane	0.258	0.26	-	-0.8	20	74	0
2-Hexanone	0.167	0.162	-	3	20	71	-.01
Chlorobenzene	0.903	0.876	-	3	20	77	-.01
Ethylbenzene	1.456	1.462	-	-0.4	20	82	0
1,1,1,2-Tetrachloroethane	0.309	0.312	-	-1	20	75	0
p/m Xylene	0.555	0.582	-	-4.9	20	84	-.01
o Xylene	0.536	0.559	-	-4.3	20	82	-.01
Styrene	0.905	0.966	-	-6.7	20	81	-.01
1,4-Dichlorobenzene-d4	1	1	-	0	20	72	0
Bromoform	0.4	0.388	-	3	20	73	0
Isopropylbenzene	2.709	2.768	-	-2.2	20	84	-.01
4-Bromofluorobenzene	0.843	0.789	-	6.4	20	69	0
Bromobenzene	0.721	0.68	-	5.7	20	73	0
n-Propylbenzene	3.386	3.446	-	-1.8	20	84	0
1,4-Dichlorobutane	0.823	0.781	-	5.1	20	73	-.01
1,1,2,2-Tetrachloroethane	0.679	0.684	-	-0.7	20	77	-.01
4-Ethyltoluene	2.714	2.832	-	-4.3	20	84	0
2-Chlorotoluene	1.986	1.941	-	2.3	20	78	0
1,3,5-Trimethylbenzene	2.31	2.344	-	-1.5	20	81	0
1,2,3-Trichloropropane	0.532	0.519	-	2.4	20	74	0
trans-1,4-Dichloro-2-buten	0.177	0.187	-	-5.6	20	73	0
4-Chlorotoluene	2.064	2.017	-	2.3	20	75	0
tert-Butylbenzene	1.95	2	-	-2.6	20	84	0
1,2,4-Trimethylbenzene	2.3	2.318	-	-0.8	20	77	0
sec-Butylbenzene	2.953	3.114	-	-5.5	20	86	0
p-Isopropyltoluene	2.52	2.57	-	-2	20	83	0
1,3-Dichlorobenzene	1.397	1.384	-	0.9	20	76	0
1,4-Dichlorobenzene	1.435	1.391	-	3.1	20	75	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	Lab Number	: L2306838		
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS		
Instrument ID	: VOA111	Calibration Date	: 02/10/23 07:29		
Lab File ID	: V11230210A01	Init. Calib. Date(s)	: 01/18/23	01/18/23	
Sample No	: WG1743940-2	Init. Calib. Times	: 11:38	16:33	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.513	1.577	-	-4.2	20	83	0
n-Butylbenzene	2.324	2.5	-	-7.6	20	86	0
1,2-Dichlorobenzene	1.322	1.263	-	4.5	20	72	0
1,2,4,5-Tetramethylbenzene	2.363	2.327	-	1.5	20	75	0
1,2-Dibromo-3-chloropropan	0.1	0.093	-	7	20	68	0
1,3,5-Trichlorobenzene	0.965	0.985	-	-2.1	20	79	0
Hexachlorobutadiene	0.41	0.414	-	-1	20	84	0
1,2,4-Trichlorobenzene	0.834	0.834	-	0	20	76	0
Naphthalene	1.792	1.767	-	1.4	20	74	0
1,2,3-Trichlorobenzene	0.696	0.704	-	-1.1	20	74	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,		Lab Number	: L2306838	
Project Name	: BRIDGE CLEANERS		Project Number	: BRIDGE CLEANERS	
Instrument ID	: VOA111		Calibration Date	: 02/13/23 07:55	
Lab File ID	: V11230213A02		Init. Calib. Date(s)	: 01/18/23	01/18/23
Sample No	: WG1744281-2		Init. Calib. Times	: 11:38	16:33
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	83	0
Dichlorodifluoromethane	0.234	0.196	-	16.2	20	87	0
Chloromethane	0.273	0.231	-	15.4	20	78	0
Vinyl chloride	0.337	0.321	-	4.7	20	91	0
Bromomethane	0.37	0.337	-	8.9	20	89	0
Chloroethane	0.15	0.16	-	-6.7	20	91	0
Trichlorofluoromethane	40	43.088	-	-7.7	20	104	0
Ethyl ether	0.1	0.101	-	-1	20	85	0
1,1-Dichloroethene	0.2	0.202	-	-1	20	99	0
Carbon disulfide	0.446	0.7	-	-57*	20	161	0
Freon-113	40	44.561	-	-11.4	20	114	0
Acrolein	0.027	0.028	-	-3.7	20	102	0
Methylene chloride	0.289	0.233	-	19.4	20	79	0
Acetone	0.068	0.066	-	2.9	20	89	0
trans-1,2-Dichloroethene	0.238	0.229	-	3.8	20	90	-.01
Methyl acetate	0.131	0.122	-	6.9	20	84	0
Methyl tert-butyl ether	0.562	0.534	-	5	20	83	-.01
tert-Butyl alcohol	0.022	0.02	-	9.1	20	77	0
Diisopropyl ether	0.743	0.675	-	9.2	20	79	-.01
1,1-Dichloroethane	0.431	0.401	-	7	20	84	0
Halothane	0.18	0.18	-	0	20	101	0
Acrylonitrile	0.057	0.057	-	0	20	83	-.01
Ethyl tert-butyl ether	0.732	0.667	-	8.9	20	79	0
Vinyl acetate	0.472	0.468	-	0.8	20	86	0
cis-1,2-Dichloroethene	0.27	0.251	-	7	20	83	-.01
2,2-Dichloropropane	0.353	0.351	-	0.6	20	97	-.01
Bromochloromethane	0.125	0.12	-	4	20	83	0
Cyclohexane	40	41.735	-	-4.3	20	109	0
Chloroform	0.454	0.424	-	6.6	20	85	0
Ethyl acetate	0.198	0.18	-	9.1	20	79	0
Carbon tetrachloride	0.31	0.312	-	-0.6	20	101	0
Tetrahydrofuran	0.053	0.05	-	5.7	20	81	-.01
Dibromofluoromethane	0.257	0.252	-	1.9	20	82	-.01
1,1,1-Trichloroethane	0.338	0.339	-	-0.3	20	96	0
2-Butanone	0.088	0.087	-	1.1	20	85	-.01
1,1-Dichloropropene	40	40.552	-	-1.4	20	98	-.01
Benzene	0.945	0.885	-	6.3	20	85	0
tert-Amyl methyl ether	0.67	0.619	-	7.6	20	79	-.01
1,2-Dichloroethane-d4	0.254	0.247	-	2.8	20	82	-.01
1,2-Dichloroethane	0.32	0.281	-	12.2	20	77	0
Methyl cyclohexane	40	42.401	-	-6	20	111	0
Trichloroethene	0.242	0.243	-	-0.4	20	92	-.02
Dibromomethane	0.151	0.139	-	7.9	20	79	-.01

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	Lab Number	: L2306838		
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS		
Instrument ID	: VOA111	Calibration Date	: 02/13/23 07:55		
Lab File ID	: V11230213A02	Init. Calib. Date(s)	: 01/18/23	01/18/23	
Sample No	: WG1744281-2	Init. Calib. Times	: 11:38	16:33	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.248	0.229	-	7.7	20	79	-.01
2-Chloroethyl vinyl ether	0.097	0.094	-	3.1	20	86	-.02
Bromodichloromethane	0.347	0.317	-	8.6	20	79	-.01
1,4-Dioxane	2000	2162.165	-	-8.1	20	84	0
cis-1,3-Dichloropropene	0.394	0.374	-	5.1	20	80	-.01
Chlorobenzene-d5	1	1	-	0	20	83	-.01
Toluene-d8	1.296	1.3	-	-0.3	20	83	-.01
Toluene	0.773	0.721	-	6.7	20	86	0
4-Methyl-2-pentanone	40	34.535	-	13.7	20	79	0
Tetrachloroethene	40	41.404	-	-3.5	20	101	-.01
trans-1,3-Dichloropropene	0.481	0.441	-	8.3	20	79	0
Ethyl methacrylate	0.343	0.324	-	5.5	20	81	0
1,1,2-Trichloroethane	0.23	0.213	-	7.4	20	80	0
Chlorodibromomethane	0.324	0.302	-	6.8	20	80	0
1,3-Dichloropropane	0.464	0.428	-	7.8	20	80	-.01
1,2-Dibromoethane	0.258	0.251	-	2.7	20	81	0
2-Hexanone	0.167	0.163	-	2.4	20	81	0
Chlorobenzene	0.903	0.843	-	6.6	20	83	-.01
Ethylbenzene	1.456	1.401	-	3.8	20	89	0
1,1,1,2-Tetrachloroethane	0.309	0.297	-	3.9	20	81	0
p/m Xylene	0.555	0.549	-	1.1	20	89	0
o Xylene	0.536	0.529	-	1.3	20	88	0
Styrene	0.905	0.906	-	-0.1	20	86	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	81	0
Bromoform	0.4	0.373	-	6.8	20	79	0
Isopropylbenzene	2.709	2.669	-	1.5	20	91	-.01
4-Bromofluorobenzene	0.843	0.804	-	4.6	20	79	0
Bromobenzene	0.721	0.661	-	8.3	20	80	0
n-Propylbenzene	3.386	3.319	-	2	20	91	-.01
1,4-Dichlorobutane	0.823	0.745	-	9.5	20	78	-.01
1,1,2,2-Tetrachloroethane	0.679	0.622	-	8.4	20	78	0
4-Ethyltoluene	2.714	2.706	-	0.3	20	90	0
2-Chlorotoluene	1.986	1.853	-	6.7	20	84	0
1,3,5-Trimethylbenzene	2.31	2.233	-	3.3	20	86	0
1,2,3-Trichloropropane	0.532	0.486	-	8.6	20	78	-.01
trans-1,4-Dichloro-2-buten	0.177	0.185	-	-4.5	20	81	-.01
4-Chlorotoluene	2.064	1.93	-	6.5	20	80	0
tert-Butylbenzene	1.95	1.922	-	1.4	20	91	0
1,2,4-Trimethylbenzene	2.3	2.195	-	4.6	20	82	0
sec-Butylbenzene	2.953	2.981	-	-0.9	20	93	0
p-Isopropyltoluene	2.52	2.489	-	1.2	20	90	0
1,3-Dichlorobenzene	1.397	1.325	-	5.2	20	81	0
1,4-Dichlorobenzene	1.435	1.327	-	7.5	20	81	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA111	**Calibration Date**	: 02/13/23 07:55
Lab File ID	: V11230213A02	**Init. Calib. Date(s)**	: 01/18/23 01/18/23
Sample No	: WG1744281-2	**Init. Calib. Times**	: 11:38 16:33
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.513	1.526	-	-0.9	20	90	0
n-Butylbenzene	2.324	2.366	-	-1.8	20	92	0
1,2-Dichlorobenzene	1.322	1.212	-	8.3	20	77	-.01
1,2,4,5-Tetramethylbenzene	2.363	2.212	-	6.4	20	80	0
1,2-Dibromo-3-chloropropan	0.1	0.089	-	11	20	73	0
1,3,5-Trichlorobenzene	0.965	0.919	-	4.8	20	83	0
Hexachlorobutadiene	0.41	0.394	-	3.9	20	90	0
1,2,4-Trichlorobenzene	0.834	0.785	-	5.9	20	80	0
Naphthalene	1.792	1.664	-	7.1	20	78	0
1,2,3-Trichlorobenzene	0.696	0.655	-	5.9	20	78	0

* Value outside of QC limits.

Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high andassociated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

L2308387

ALPHA GEOSCIENCE

Geology

Hydrology

Remediation

Water Supply

Data Usability Summary Report
for Alpha Analytical Labs
SDG Number: L2308387

1 Soil Sample, 1 Field Blank,
and 1 Trip Blank
Collected February 2, 2023

Prepared by: Donald Anné
April 27, 2023

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of volatile results for 1 soil sample, 1 field blank, and 1 trip blank.

The overall performances of the analyses are acceptable. Alpha Analytical Labs did fulfill the requirements of the analytical method.

The data are acceptable with some minor issues that are identified in the accompanying data validation review. The following data were qualified:

- The positive result for acetone was qualified as "estimated, biased high" (J+) for sample PX-E because 2 of 2 precent recoveries for acetone were above QC limits in the associated soil LCS.

- The "not detected" results for naphthalene and trans-1,4-dichloro-2-butene were qualified as "estimated" (UJ) for the trip and field blanks because 1 of 2 precent recoveries for naphthalene and trans-1,4-dichloro-2-butene were below QC limits, but not below 30% in the associated aqueous LCS.

All data are considered usable with estimated (J+ or UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation review.

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Qualified Data Section

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2308387
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2308387-01	Date Collected	: 02/15/23 15:00
Client ID	: PX-E	Date Received	: 02/16/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/20/23 14:27
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: V29230220A16	Instrument ID	: VOA129
Sample Amount	: 4.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 79
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	7.8	3.6	U
75-34-3	1,1-Dichloroethane	ND	1.6	0.23	U
67-66-3	Chloroform	ND	2.4	0.22	U
56-23-5	Carbon tetrachloride	ND	1.6	0.36	U
78-87-5	1,2-Dichloropropane	ND	1.6	0.20	U
124-48-1	Dibromochloromethane	ND	1.6	0.22	U
79-00-5	1,1,2-Trichloroethane	ND	1.6	0.42	U
127-18-4	Tetrachloroethene	0.93	0.78	0.31	
108-90-7	Chlorobenzene	ND	0.78	0.20	U
75-69-4	Trichlorofluoromethane	ND	6.3	1.1	U
107-06-2	1,2-Dichloroethane	ND	1.6	0.40	U
71-55-6	1,1,1-Trichloroethane	ND	0.78	0.26	U
75-27-4	Bromodichloromethane	ND	0.78	0.17	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	0.43	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.78	0.25	U
542-75-6	1,3-Dichloropropene, Total	ND	0.78	0.25	U
563-58-6	1,1-Dichloropropene	ND	0.78	0.25	U
75-25-2	Bromoform	ND	6.3	0.39	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.78	0.26	U
71-43-2	Benzene	ND	0.78	0.26	U
108-88-3	Toluene	ND	1.6	0.85	U
100-41-4	Ethylbenzene	0.30	1.6	0.22	J
74-87-3	Chloromethane	ND	6.3	1.5	U
74-83-9	Bromomethane	ND	3.1	0.91	U
75-01-4	Vinyl chloride	ND	1.6	0.53	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2308387
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2308387-01	Date Collected	: 02/15/23 15:00
Client ID	: PX-E	Date Received	: 02/16/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/20/23 14:27
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: V29230220A16	Instrument ID	: VOA129
Sample Amount	: 4.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 79
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-00-3	Chloroethane	ND	3.1	0.71	U	
75-35-4	1,1-Dichloroethene	ND	1.6	0.37	U	
156-60-5	trans-1,2-Dichloroethene	ND	2.4	0.22	U	
79-01-6	Trichloroethene	ND	0.78	0.22	U	
95-50-1	1,2-Dichlorobenzene	ND	3.1	0.23	U	
541-73-1	1,3-Dichlorobenzene	ND	3.1	0.23	U	
106-46-7	1,4-Dichlorobenzene	ND	3.1	0.27	U	
1634-04-4	Methyl tert butyl ether	ND	3.1	0.32	U	
179601-23-1	p/m-Xylene	1.2	3.1	0.88	J	
95-47-6	o-Xylene	0.73	1.6	0.46	J	
1330-20-7	Xylenes, Total	1.9	1.6	0.46	J	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	0.27	U	
540-59-0	1,2-Dichloroethene, Total	ND	1.6	0.22	U	
74-95-3	Dibromomethane	ND	3.1	0.37	U	
100-42-5	Styrene	ND	1.6	0.31	U	
75-71-8	Dichlorodifluoromethane	ND	16	1.4	U	
67-64-1	Acetone	12	16	7.6	J	J+
75-15-0	Carbon disulfide	ND	16	7.1	U	
78-93-3	2-Butanone	ND	16	3.5	U	
108-05-4	Vinyl acetate	ND	16	3.4	U	
108-10-1	4-Methyl-2-pentanone	ND	16	2.0	U	
96-18-4	1,2,3-Trichloropropane	ND	3.1	0.20	U	
591-78-6	2-Hexanone	ND	16	1.8	U	
74-97-5	Bromochloromethane	ND	3.1	0.32	U	
594-20-7	2,2-Dichloropropane	ND	3.1	0.32	U	

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2308387
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2308387-01	Date Collected	: 02/15/23 15:00
Client ID	: PX-E	Date Received	: 02/16/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/20/23 14:27
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: V29230220A16	Instrument ID	: VOA129
Sample Amount	: 4.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 79
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.6	0.44	U
142-28-9	1,3-Dichloropropane	ND	3.1	0.26	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.78	0.21	U
108-86-1	Bromobenzene	ND	3.1	0.23	U
104-51-8	n-Butylbenzene	ND	1.6	0.26	U
135-98-8	sec-Butylbenzene	ND	1.6	0.23	U
98-06-6	tert-Butylbenzene	ND	3.1	0.18	U
95-49-8	o-Chlorotoluene	ND	3.1	0.30	U
106-43-4	p-Chlorotoluene	ND	3.1	0.17	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.7	1.6	U
87-68-3	Hexachlorobutadiene	ND	6.3	0.26	U
98-82-8	Isopropylbenzene	ND	1.6	0.17	U
99-87-6	p-Isopropyltoluene	ND	1.6	0.17	U
91-20-3	Naphthalene	ND	6.3	1.0	U
107-13-1	Acrylonitrile	ND	6.3	1.8	U
103-65-1	n-Propylbenzene	ND	1.6	0.27	U
87-61-6	1,2,3-Trichlorobenzene	ND	3.1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	ND	3.1	0.43	U
108-67-8	1,3,5-Trimethylbenzene	ND	3.1	0.30	U
95-63-6	1,2,4-Trimethylbenzene	ND	3.1	0.52	U
123-91-1	1,4-Dioxane	ND	120	55.	U
105-05-5	p-Diethylbenzene	ND	3.1	0.28	U
622-96-8	p-Ethyltoluene	ND	3.1	0.60	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	3.1	0.30	U
60-29-7	Ethyl ether	ND	3.1	0.54	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2308387-01	**Date Collected**	: 02/15/23 15:00
Client ID	: PX-E	**Date Received**	: 02/16/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/20/23 14:27
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: AJK
Lab File ID	: V29230220A16	**Instrument ID**	: VOA129
Sample Amount	: 4.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 79
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	7.8	2.2	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Compliance & Control,	Lab Number	: L2308387
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2308387-02	Date Collected	: 02/15/23 15:15
Client ID	: FIELD BLANK	Date Received	: 02/16/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/17/23 11:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VG230217A09	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	: Environmental Compliance & Control,	Lab Number	: L2308387
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2308387-02	Date Collected	: 02/15/23 15:15
Client ID	: FIELD BLANK	Date Received	: 02/16/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/17/23 11:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VG230217A09	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	0.70	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	: Environmental Compliance & Control,	Lab Number	: L2308387
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2308387-02	Date Collected	: 02/15/23 15:15
Client ID	: FIELD BLANK	Date Received	: 02/16/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/17/23 11:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VG230217A09	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

CAS NO.	Parameter	ug/L 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	UJ
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	: Environmental Compliance & Control,	Lab Number	: L2308387
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2308387-02	Date Collected	: 02/15/23 15:15
Client ID	: FIELD BLANK	Date Received	: 02/16/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/17/23 11:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VG230217A09	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	UJ

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Compliance & Control,	Lab Number	: L2308387
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2308387-03	Date Collected	: 02/15/23 00:00
Client ID	: TRIP BLANK	Date Received	: 02/16/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/17/23 11:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VG230217A10	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	: Environmental Compliance & Control,	Lab Number	: L2308387
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2308387-03	Date Collected	: 02/15/23 00:00
Client ID	: TRIP BLANK	Date Received	: 02/16/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/17/23 11:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VG230217A10	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	0.70	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	: Environmental Compliance & Control,	Lab Number	: L2308387
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2308387-03	Date Collected	: 02/15/23 00:00
Client ID	: TRIP BLANK	Date Received	: 02/16/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/17/23 11:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VG230217A10	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	UJ
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	: Environmental Compliance & Control,	Lab Number	: L2308387
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2308387-03	Date Collected	: 02/15/23 00:00
Client ID	: TRIP BLANK	Date Received	: 02/16/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/17/23 11:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VG230217A10	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	UJ

VOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8260C Volatiles Data
for Alpha Analytical, SDG Number: L2308387

1 Soil Sample, 1 Field Duplicate,
and 1 Trip Blank
Collected February 15, 2023

Prepared by: Donald Anné
April 27, 2023

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for compounds 11 (highlighted yellow on attached Form 6) were below the method minimums, but not below 0.010 for GONZO on 10-18-22. The average RRFs for acetone, 2-butanone, bromodichloromethane, and 1,1,2-trichloroethane were below the method minimums, but not below 0.010 for VOA129 on 12-27-22. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no average RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane and 0.010 for all others) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for 15 compounds (highlighted yellow on attached Form 7) were below the method minimums, but not below 0.010 on 02-17-23 (VG230217A01). The %Ds for bromomethane, chloroethane, 2-butanone, 4-methyl-2-pentanone, and 1,2-dibromo-3-chloropropane were above the method maximum on 02-17-23 (VG230217A01). The %Ds for dichlorodifluoromethane, carbon disulfide, acetone, 2-butanone, styrene, and 1,2,4-trichlorobenzene were above the method maximum on 02-20-23 (V29230220A01). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The %Ds for 10 compounds (highlighted yellow on attached Form 7) were above the allowable maximum (20%) on 02-17-23 (VG230217A01). The %Ds for 1.4-dioxane, chlorodibromomethane, and 2-hexanone were above the allowable maximum (20%) on 02-06-23 (V22230206A01). The %Ds for 9 compounds (highlighted yellow on attached Form 7) were above the allowable maximum (20%) on 02-20-23 (V29230220A01). Positive results for these compounds should be considered estimated (J) in associated samples.

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The RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane and 0.010 for all others), as required.

Blanks: The analyses of method, trip, and field blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil sample, field blank, and trip blank.

Laboratory Control Sample: The relative percent differences (RPDs) for 11 compounds (highlighted yellow on attached Form 3) were above the allowable maximum for aqueous samples WG1746138-3/4. Positive results for these compounds should be considered estimated (J) in associated aqueous samples.

One of two percent recoveries (%Rs) for chloroethane was above the QC limitsfor aqueous samples WG1746138-3/4. Positive results for chloroethane should be considered estimated, biased high (J+) in associated aqueous samples.

One of two %Rs for naphthalene and trans-1,4-dichlorobutene were below the QC limits, but not below 30% for aqueous samples WG1746138-3/4. Positive results for naphthalene and trans-1,4-dichlorobutene should be considered estimated, biased low (J-) and "not detected" estimated (UJ) in associated aqueous samples.

The RPDs for target compounds were below the allowable maximum, but 2 of 2 %Rs for acetone and carbon disulfide, and 1 of 2 %Rs for 2-butanone were above the QC limits for soil samples WG1747023-3/4. Positive results for these compounds should be considered estimated, biased high (J+) in associated soil samples.

Compound ID: Checked compounds and surrogates were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: WATER		
LCS Sample ID	: WG1746138-3 **Analysis Date** : 02/17/23 07:40	**File ID**	: VG230217A01
LCSD Sample ID	: WG1746138-4 **Analysis Date** : 02/17/23 08:06	**File ID**	: VG230217A02

	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	9.3	93	10	10	100	7	70-130	20
1,1-Dichloroethane	10	10	100	10	11	110	10	70-130	20
Chloroform	10	9.5	95	10	11	110	15	70-130	20
Carbon tetrachloride	10	8.7	87	10	9.7	97	11	63-132	20
1,2-Dichloropropane	10	10	100	10	11	110	10	70-130	20
Dibromochloromethane	10	9.3	93	10	10	100	7	63-130	20
1,1,2-Trichloroethane	10	9.3	93	10	10	100	7	70-130	20
Tetrachloroethene	10	9.0	90	10	9.9	99	10	70-130	20
Chlorobenzene	10	9.9	99	10	11	110	11	75-130	20
Trichlorofluoromethane	10	8.3	83	10	9.5	95	13	62-150	20
1,2-Dichloroethane	10	9.7	97	10	11	110	13	70-130	20
1,1,1-Trichloroethane	10	9.0	90	10	10	100	11	67-130	20
Bromodichloromethane	10	9.2	92	10	10	100	8	67-130	20
trans-1,3-Dichloropropene	10	9.6	96	10	10	100	4	70-130	20
cis-1,3-Dichloropropene	10	9.1	91	10	10	100	9	70-130	20
1,1-Dichloropropene	10	9.4	94	10	10	100	6	70-130	20
Bromoform	10	9.2	92	10	10	100	8	54-136	20
1,1,2,2-Tetrachloroethane	10	10	100	10	12	120	18	67-130	20
Benzene	10	9.6	96	10	11	110	14	70-130	20
Toluene	10	9.7	97	10	11	110	13	70-130	20
Ethylbenzene	10	9.7	97	10	11	110	13	70-130	20
Chloromethane	10	10	100	10	11	110	10	64-130	20
Bromomethane	10	6.6	66	10	8.2	82	22 Q	39-139	20
Vinyl chloride	10	9.7	97	10	11	110	13	55-140	20
Chloroethane	10	14	140 Q	10	13	130	7	55-138	20
1,1-Dichloroethene	10	8.8	88	10	9.6	96	9	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: WATER		
LCS Sample ID	: WG1746138-3 **Analysis Date** : 02/17/23 07:40	**File ID**	: VG230217A01
LCSD Sample ID	: WG1746138-4 **Analysis Date** : 02/17/23 08:06	**File ID**	: VG230217A02

	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	9.1	91	10	10	100	9	70-130	20
Trichloroethene	10	8.5	85	10	9.6	96	12	70-130	20
1,2-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
1,3-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
1,4-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
Methyl tert butyl ether	10	8.3	83	10	10	100	19	63-130	20
p/m-Xylene	20	19	95	20	21	105	10	70-130	20
o-Xylene	20	19	95	20	21	105	10	70-130	20
cis-1,2-Dichloroethene	10	9.1	91	10	9.9	99	8	70-130	20
Dibromomethane	10	9.5	95	10	11	110	15	70-130	20
1,2,3-Trichloropropane	10	10	100	10	12	120	18	64-130	20
Acrylonitrile	10	8.7	87	10	11	110	23 Q	70-130	20
Styrene	20	20	100	20	22	110	10	70-130	20
Dichlorodifluoromethane	10	8.5	85	10	9.4	94	10	36-147	20
Acetone	10	8.9	89	10	11	110	21 Q	58-148	20
Carbon disulfide	10	12	120	10	13	130	8	51-130	20
2-Butanone	10	7.9	79	10	10	100	23 Q	63-138	20
Vinyl acetate	10	10	100	10	12	120	18	70-130	20
4-Methyl-2-pentanone	10	7.9	79	10	10	100	23 Q	59-130	20
2-Hexanone	10	8.3	83	10	10	100	19	57-130	20
Bromochloromethane	10	9.3	93	10	10	100	7	70-130	20
2,2-Dichloropropane	10	9.5	95	10	10	100	5	63-133	20
1,2-Dibromoethane	10	9.2	92	10	10	100	8	70-130	20
1,3-Dichloropropane	10	9.9	99	10	11	110	11	70-130	20
1,1,1,2-Tetrachloroethane	10	9.4	94	10	10	100	6	64-130	20
Bromobenzene	10	9.8	98	10	10	100	2	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	Lab Number	: L2308387
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Matrix	: WATER		
LCS Sample ID	: WG1746138-3 Analysis Date : 02/17/23 07:40	File ID	: VG230217A01
LCSD Sample ID	: WG1746138-4 Analysis Date : 02/17/23 08:06	File ID	: VG230217A02

	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	9.9	99		10	11	110	11	53-136	20
sec-Butylbenzene	10	9.9	99		10	11	110	11	70-130	20
tert-Butylbenzene	10	9.6	96		10	10	100	4	70-130	20
o-Chlorotoluene	10	11	110		10	12	120	9	70-130	20
p-Chlorotoluene	10	10	100		10	11	110	10	70-130	20
1,2-Dibromo-3-chloropropane	10	7.6	76		10	9.9	99	26 Q	41-144	20
Hexachlorobutadiene	10	8.4	84		10	9.8	98	15	63-130	20
Isopropylbenzene	10	9.7	97		10	11	110	13	70-130	20
p-Isopropyltoluene	10	9.6	96		10	11	110	14	70-130	20
Naphthalene	10	5.8	58	Q	10	8.5	85	38 Q	70-130	20
n-Propylbenzene	10	10	100		10	11	110	10	69-130	20
1,2,3-Trichlorobenzene	10	7.3	73		10	9.6	96	27 Q	70-130	20
1,2,4-Trichlorobenzene	10	7.8	78		10	9.8	98	23 Q	70-130	20
1,3,5-Trimethylbenzene	10	10	100		10	11	110	10	64-130	20
1,2,4-Trimethylbenzene	10	9.8	98		10	11	110	12	70-130	20
1,4-Dioxane	500	450	90		500	590	118	27 Q	56-162	20
p-Diethylbenzene	10	9.1	91		10	10	100	9	70-130	20
p-Ethyltoluene	10	10	100		10	11	110	10	70-130	20
1,2,4,5-Tetramethylbenzene	10	7.7	77		10	9.2	92	18	70-130	20
Ethyl ether	10	9.6	96		10	11	110	14	59-134	20
trans-1,4-Dichloro-2-butene	10	6.2	62	Q	10	7.9	79	24 Q	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1747023-3 **Analysis Date** : 02/20/23 09:25	**File ID**	: V29230220A02
LCSD Sample ID	: WG1747023-4 **Analysis Date** : 02/20/23 09:45	**File ID**	: V29230220A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	40	39	96	40	40	100	4	70-130	30
1,1-Dichloroethane	40	42	105	40	43	108	3	70-130	30
Chloroform	40	40	101	40	41	102	1	70-130	30
Carbon tetrachloride	40	38	95	40	39	98	3	70-130	30
1,2-Dichloropropane	40	43	107	40	44	110	3	70-130	30
Dibromochloromethane	40	42	104	40	43	108	4	70-130	30
1,1,2-Trichloroethane	40	44	110	40	46	114	4	70-130	30
Tetrachloroethene	40	42	104	40	42	104	0	70-130	30
Chlorobenzene	40	42	106	40	43	108	2	70-130	30
Trichlorofluoromethane	40	35	87	40	34	85	2	70-139	30
1,2-Dichloroethane	40	46	116	40	47	119	3	70-130	30
1,1,1-Trichloroethane	40	40	100	40	40	101	1	70-130	30
Bromodichloromethane	40	42	105	40	44	109	4	70-130	30
trans-1,3-Dichloropropene	40	44	109	40	45	113	4	70-130	30
cis-1,3-Dichloropropene	40	42	104	40	43	106	2	70-130	30
1,1-Dichloropropene	40	40	101	40	41	102	1	70-130	30
Bromoform	40	41	103	40	43	106	3	70-130	30
1,1,2,2-Tetrachloroethane	40	42	104	40	42	104	0	70-130	30
Benzene	40	40	101	40	41	102	1	70-130	30
Toluene	40	41	103	40	42	105	2	70-130	30
Ethylbenzene	40	42	106	40	43	108	2	70-130	30
Chloromethane	40	35	86	40	35	87	1	52-130	30
Bromomethane	40	34	85	40	33	82	4	57-147	30
Vinyl chloride	40	31	78	40	31	78	0	67-130	30
Chloroethane	40	36	90	40	37	92	2	50-151	30
1,1-Dichloroethene	40	36	89	40	35	86	3	65-135	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1747023-3 **Analysis Date** : 02/20/23 09:25	**File ID**	: V29230220A02
LCSD Sample ID	: WG1747023-4 **Analysis Date** : 02/20/23 09:45	**File ID**	: V29230220A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	40	37	93	40	39	98	5	70-130	30
Trichloroethene	40	42	104	40	43	108	4	70-130	30
1,2-Dichlorobenzene	40	43	106	40	44	109	3	70-130	30
1,3-Dichlorobenzene	40	42	106	40	43	108	2	70-130	30
1,4-Dichlorobenzene	40	42	104	40	43	108	4	70-130	30
Methyl tert butyl ether	40	43	106	40	45	112	6	66-130	30
p/m-Xylene	80	84	105	80	85	106	1	70-130	30
o-Xylene	80	87	109	80	88	110	1	70-130	30
cis-1,2-Dichloroethene	40	39	97	40	40	99	2	70-130	30
Dibromomethane	40	42	104	40	43	108	4	70-130	30
Styrene	80	89	111	80	91	114	3	70-130	30
Dichlorodifluoromethane	40	25	63	40	25	63	0	30-146	30
Acetone	40	59	148 Q	40	65	163 Q	10	54-140	30
Carbon disulfide	40	54	135 Q	40	55	136 Q	1	59-130	30
2-Butanone	40	51	127	40	54	135 Q	6	70-130	30
Vinyl acetate	40	41	102	40	39	96	6	70-130	30
4-Methyl-2-pentanone	40	43	108	40	46	114	5	70-130	30
1,2,3-Trichloropropane	40	46	114	40	48	119	4	68-130	30
2-Hexanone	40	48	119	40	51	129	8	70-130	30
Bromochloromethane	40	39	98	40	40	100	2	70-130	30
2,2-Dichloropropane	40	40	99	40	40	100	1	70-130	30
1,2-Dibromoethane	40	43	107	40	44	111	4	70-130	30
1,3-Dichloropropane	40	45	112	40	46	116	4	69-130	30
1,1,1,2-Tetrachloroethane	40	43	107	40	44	110	3	70-130	30
Bromobenzene	40	42	104	40	43	108	4	70-130	30
n-Butylbenzene	40	42	106	40	43	108	2	70-130	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1747023-3 **Analysis Date** : 02/20/23 09:25	**File ID**	: V29230220A02
LCSD Sample ID	: WG1747023-4 **Analysis Date** : 02/20/23 09:45	**File ID**	: V29230220A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
sec-Butylbenzene	40	41	102	40	42	104	2	70-130	30
tert-Butylbenzene	40	41	102	40	42	104	2	70-130	30
o-Chlorotoluene	40	41	103	40	45	113	9	70-130	30
p-Chlorotoluene	40	43	107	40	44	109	2	70-130	30
1,2-Dibromo-3-chloropropane	40	40	101	40	41	103	2	68-130	30
Hexachlorobutadiene	40	40	99	40	43	106	7	67-130	30
Isopropylbenzene	40	42	105	40	43	107	2	70-130	30
p-Isopropyltoluene	40	41	103	40	42	104	1	70-130	30
Naphthalene	40	42	106	40	44	111	5	70-130	30
Acrylonitrile	40	44	110	40	48	119	8	70-130	30
n-Propylbenzene	40	42	105	40	43	108	3	70-130	30
1,2,3-Trichlorobenzene	40	43	108	40	45	112	4	70-130	30
1,2,4-Trichlorobenzene	40	43	107	40	45	113	5	70-130	30
1,3,5-Trimethylbenzene	40	42	105	40	43	106	1	70-130	30
1,2,4-Trimethylbenzene	40	42	105	40	43	108	3	70-130	30
1,4-Dioxane	2000	2100	106	2000	2200	109	3	65-136	30
p-Diethylbenzene	40	41	102	40	42	105	3	70-130	30
p-Ethyltoluene	40	42	106	40	43	108	2	70-130	30
1,2,4,5-Tetramethylbenzene	40	43	107	40	44	110	3	70-130	30
Ethyl ether	40	36	90	40	38	95	5	67-130	30
trans-1,4-Dichloro-2-butene	40	48	120	40	52	130	8	70-130	30

Initial Calibration Summary
Form 6
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: GONZO	**Ical Ref**	: ICAL19406
Calibration dates	: 10/18/22 22:22 10/19/22 02:43		

Calibration Files

L11 =VG221018N03.D L1 =VG221018N05.D L2 =VG221018N07.D L3 =VG221018N09.D L4 =VG221018N10.D

L6 =VG221018N11.D L8 =VG221018N12.D L10 =VG221018N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.145	0.147	0.154	0.155	0.162	0.156	0.155	0.153	3.78
3)	TP	Chloromethane		0.232	0.193	0.190	0.193	0.204	0.203	0.200	0.202	6.95
4)	TC	Vinyl chloride	0.163	0.141	0.166	0.184	0.191	0.201	0.199	0.197	0.180	11.97
5)	TP	Bromomethane		0.107	0.080	0.077	0.087	0.099	0.103	0.104	0.094	12.87
6)	TP	Chloroethane		0.061	0.052	0.053	0.055	0.053	0.045	0.040	0.051	13.40
7)	TP	Trichlorofluor		0.157	0.210	0.212	0.238	0.253	0.248	0.248	0.224	15.35
8)	TP	Ethyl ether		0.056	0.074	0.076	0.077	0.082	0.080	0.080	0.075	11.74
10)	TC	1,1-Dichloroet		0.148	0.144	0.149	0.152	0.160	0.159	0.161	0.153	4.42
11)	TP	Carbon disulfide		0.321	0.363	0.386	0.405	0.436	0.431	0.428	0.396	10.68
12)	TP	Freon-113		0.110	0.141	0.159	0.166	0.176	0.170	0.169	0.156	14.71
13)	TP	Iodomethane			0.147	0.189	0.211	0.227	0.225	0.218	0.203	14.99
14)	TP	Acrolein			0.024	0.025	0.025	0.028	0.028	0.027	0.026	7.11
15)	TP	Methylene chlo		0.217	0.174	0.162	0.164	0.174	0.171	0.168	0.176	10.77
17)	TP	Acetone			0.055	0.048	0.047	0.050	0.049	0.048	0.049	5.90
18)	TP	trans-1,2-Dich		0.147	0.157	0.160	0.163	0.172	0.170	0.167	0.162	5.47
19)	TP	Methyl acetate			0.131	0.113	0.114	0.123	0.121	0.120	0.120	5.50
20)	TP	Methyl tert butyl ether		0.362	0.383	0.409	0.418	0.452	0.444	0.435	0.415	7.96
21)	TP	tert-Butyl alc		0.016	0.017	0.017	0.017	0.018	0.018	0.018	0.017	5.05
22)	TP	Diisopropyl ether		0.467	0.485	0.539	0.562	0.614	0.608	0.598	0.553	10.73
23)	TP	1,1-Dichloroet		0.240	0.280	0.301	0.310	0.329	0.324	0.319	0.300	10.44
24)	TP	Halothane		0.106	0.119	0.128	0.132	0.141	0.138	0.138	0.129	9.63
25)	TP	Acrylonitrile		0.054	0.053	0.054	0.054	0.059	0.059	0.058	0.056	4.35
26)	TP	Ethyl tert-but		0.441	0.460	0.501	0.524	0.570	0.564	0.554	0.516	9.94
27)	TP	Vinyl acetate		0.319	0.306	0.316	0.334	0.376	0.365	0.383	0.343	9.16
28)	TP	cis-1,2-Dichlo		0.186	0.180	0.178	0.181	0.193	0.189	0.186	0.185#	2.85
29)	TP	2,2-Dichloropr		0.218	0.237	0.251	0.255	0.265	0.258	0.251	0.248	6.30
30)	TP	Bromochloromet		0.076	0.075	0.080	0.079	0.084	0.083	0.080	0.079#	4.28
31)	TP	Cyclohexane		0.260	0.325	0.336	0.343	0.362	0.352	0.352	0.333	10.31
32)	TC	Chloroform		0.295	0.276	0.281	0.283	0.304	0.300	0.295	0.291	3.61
33)	TP	Ethyl acetate		0.154	0.149	0.155	0.162	0.177	0.175	0.172	0.163	6.89
34)	TP	Carbon tetrachloride	0.221	0.175	0.199	0.217	0.228	0.240	0.238	0.236	0.219	10.21
35)	TP	Tetrahydrofuran			0.057	0.052	0.051	0.055	0.053	0.052	0.053	4.11
36)	S	Dibromofluoromethane	0.252	0.253	0.257	0.251	0.248	0.247	0.244	0.244	0.249	1.87
37)	TP	1,1,1-Trichloroethane		0.228	0.229	0.249	0.254	0.268	0.264	0.262	0.250	6.50
39)	TP	2-Butanone			0.075	0.075	0.081	0.086	0.085	0.081	0.080	5.86

Initial Calibration Summary
Form 6
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: GONZO	**Ical Ref**	: ICAL19406
Calibration dates	: 10/18/22 22:22 10/19/22 02:43		

Calibration Files

L11 =VG221018N03.D L1 =VG221018N05.D L2 =VG221018N07.D L3 =VG221018N09.D L4 =VG221018N10.D

L6 =VG221018N11.D L8 =VG221018N12.D L10 =VG221018N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropropene		0.173	0.201	0.227	0.237	0.252	0.248	0.247	0.227	12.94
41) TP	Benzene	0.745	0.546	0.616	0.679	0.701	0.746	0.738	0.727	0.687	10.45
42) TP	Tertiary-Amyl Methyl Ether		0.396	0.414	0.456	0.475	0.518	0.513	0.504	0.468	10.36
43) S	1,2-Dichloroethane-d4	0.299	0.295	0.302	0.308	0.282	0.281	0.281	0.288	0.292	3.60
44) TP	1,2-Dichloroet		0.192	0.193	0.205	0.208	0.221	0.217	0.212	0.207	5.35
47) TP	Methyl cyclohe		0.311	0.319	0.343	0.348	0.372	0.363	0.363	0.345	6.65
48) TP	Trichloroethene	0.250	0.177	0.165	0.176	0.182	0.191	0.189	0.183	0.189#	13.64
50) TP	Dibromomethane		0.079	0.087	0.093	0.095	0.101	0.099	0.097	0.093	8.27
51) TC	1,2-Dichloropr		0.144	0.156	0.170	0.175	0.185	0.183	0.180	0.170	8.88
53) TP	2-Chloroethyl		0.078	0.087	0.099	0.104	0.113	0.112	0.110	0.100	13.20
54) TP	Bromodichloromethane		0.209	0.221	0.220	0.224	0.237	0.239	0.231	0.226#	4.71
57) TP	1,4-Dioxane		0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002#	12.27
58) TP	cis-1,3-Dichloropropene	0.289	0.226	0.248	0.273	0.284	0.303	0.301	0.296	0.278#	9.90
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.292	1.289	1.289	1.278	1.291	1.295	1.290	1.297	1.290	0.45
61) TC	Toluene		0.478	0.501	0.539	0.561	0.594	0.586	0.574	0.548	8.04
62) TP	4-Methyl-2-pen		0.085	0.073	0.075	0.077	0.084	0.083	0.081	0.080	5.66
63) TP	Tetrachloroethene		0.188	0.222	0.237	0.256	0.272	0.268	0.266	0.244	12.55
65) TP	trans-1,3-Dichloropropene	0.293	0.248	0.276	0.305	0.324	0.351	0.347	0.343	0.311	11.97
67) TP	Ethyl methacry		0.265	0.259	0.272	0.276	0.295	0.290	0.285	0.277	4.80
68) TP	1,1,2-Trichlor		0.202	0.152	0.146	0.152	0.163	0.159	0.157	0.162#	11.49
69) TP	Chlorodibromomethane		0.180	0.184	0.197	0.213	0.230	0.230	0.228	0.209	10.51
70) TP	1,3-Dichloropr		0.268	0.277	0.305	0.319	0.344	0.339	0.336	0.313	9.74
71) TP	1,2-Dibromoethane		0.153	0.160	0.173	0.182	0.198	0.197	0.194	0.180#	10.16
72) TP	2-Hexanone		0.165	0.126	0.137	0.146	0.160	0.152	0.153	0.148	9.04
73) TP	Chlorobenzene		0.507	0.541	0.582	0.607	0.645	0.642	0.634	0.594	9.01
74) TC	Ethylbenzene	1.161	0.915	0.968	1.035	1.080	1.142	1.133	1.127	1.070	8.37
75) TP	1,1,1,2-Tetrachloroethane		0.174	0.188	0.204	0.213	0.232	0.230	0.230	0.210	10.85
76) TP	p/m Xylene	0.451	0.340	0.378	0.411	0.430	0.456	0.449	0.435	0.419	9.72
77) TP	o Xylene		0.335	0.362	0.395	0.412	0.435	0.429	0.412	0.397	9.23
78) TP	Styrene	0.664	0.535	0.588	0.646	0.673	0.714	0.704	0.671	0.649	9.24
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.219	0.222	0.248	0.262	0.287	0.291	0.280	0.258	11.54
82) TP	Isopropylbenzene		1.472	1.614	1.814	1.852	1.986	2.000	1.950	1.813	11.06
83) S	4-Bromofluorobenzene	0.900	0.890	0.890	0.885	0.871	0.876	0.883	0.866	0.883	1.26
84) TP	Bromobenzene		0.400	0.417	0.451	0.455	0.495	0.492	0.478	0.455	8.04

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2308387**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: GONZO**	**Ical Ref**	**: ICAL19406**
Calibration dates	**: 10/18/22 22:22 10/19/22 02:43**		

Calibration Files
L11 =VG221018N03.D L1 =VG221018N05.D L2 =VG221018N07.D L3 =VG221018N09.D L4 =VG221018N10.D
L6 =VG221018N11.D L8 =VG221018N12.D L10 =VG221018N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP	n-Propylbenzene		1.774	2.015	2.217	2.268	2.407	2.414	2.316	2.202	10.54
86) TP	1,4-Dichlorobu		0.552	0.513	0.556	0.563	0.606	0.614	0.592	0.571	6.22
87) TP	1,1,2,2-Tetrachloroethane		0.500	0.396	0.393	0.397	0.435	0.429	0.422	0.425	8.80
88) TP	4-Ethyltoluene		1.504	1.656	1.820	1.868	1.999	1.998	1.935	1.826	10.14
89) TP	2-Chlorotoluene		1.055	1.181	1.298	1.323	1.408	1.410	1.375	1.293	10.16
90) TP	1,3,5-Trimethy		1.312	1.448	1.577	1.607	1.731	1.731	1.663	1.581	9.74
91) TP	1,2,3-Trichlor		0.327	0.327	0.352	0.351	0.378	0.379	0.360	0.353	6.06
92) TP	trans-1,4-Dich		0.125	0.131	0.119	0.119	0.131	0.132	0.129	0.127	4.42
93) TP	4-Chlorotoluene		1.169	1.202	1.300	1.341	1.448	1.463	1.410	1.333	8.74
94) TP	tert-Butylbenzene		1.067	1.216	1.349	1.387	1.481	1.498	1.438	1.348	11.58
97) TP	1,2,4-Trimethy		1.265	1.393	1.519	1.534	1.663	1.668	1.615	1.522	9.77
98) TP	sec-Butylbenzene		1.591	1.833	2.034	2.080	2.235	2.233	2.135	2.020	11.56
99) TP	p-Isopropyltol		1.338	1.541	1.768	1.800	1.927	1.910	1.844	1.733	12.47
100) TP	1,3-Dichlorobe		0.712	0.767	0.853	0.877	0.941	0.948	0.917	0.859	10.46
101) TP	1,4-Dichlorobe		0.748	0.789	0.850	0.878	0.944	0.943	0.917	0.867	8.80
102) TP	p-Diethylbenzene		0.805	0.900	1.024	1.059	1.137	1.148	1.123	1.028	12.73
103) TP	n-Butylbenzene		1.130	1.342	1.497	1.538	1.620	1.631	1.592	1.479	12.34
104) TP	1,2-Dichlorobe		0.678	0.722	0.801	0.814	0.873	0.876	0.851	0.802	9.49
105) TP	1,2,4,5-Tetram		1.069	1.154	1.268	1.298	1.427	1.476	1.457	1.307	11.99
106) TP	1,2-Dibromo-3-		0.072	0.072	0.074	0.076	0.085	0.085	0.083	0.078	7.64
107) TP	1,3,5-Trichlor		0.515	0.557	0.623	0.651	0.703	0.709	0.678	0.634	11.69
108) TP	Hexachlorobuta		0.240	0.280	0.313	0.336	0.360	0.369	0.351	0.321	14.63
109) TP	1,2,4-Trichlor		0.405	0.447	0.494	0.518	0.571	0.582	0.555	0.510	12.98
110) TP	Naphthalene		0.907	0.876	0.974	0.999	1.097	1.130	1.098	1.011	9.87
111) TP	1,2,3-Trichlor		0.328	0.369	0.399	0.422	0.465	0.470	0.440	0.413	12.54

Initial Calibration Summary
Form 6
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA129	**Ical Ref**	: ICAL19631
Calibration dates	: 12/27/22 23:14 12/28/22 02:00		

Calibration Files

0.5 =V29221227N03.D 1 =V29221227N04.D 2 =V29221227N05.D 4 =V29221227N06.D 20 =V29221227N07.D

40 =V29221227N08.D 100 =V29221227N09.D 200 =V29221227N10.D 300 =V29221227N11.D

		Compound	0.5	1	2	4	20	40	100	200	300	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------										
2)	TP	Dichlorodifluo		0.209	0.193	0.174	0.159	0.152	0.155	0.165	0.168	0.172	11.56
3)	TP	Chloromethane		0.199	0.215	0.216	0.204	0.206	0.203	0.211	0.218	0.209	3.34
4)	TC	Vinyl chloride		0.185	0.228	0.224	0.206	0.209	0.208	0.219	0.225	0.213	6.65
5)	TP	Bromomethane		0.253	0.249	0.228	0.174	0.161	0.158	0.165	0.173	*L	0.9982
6)	TP	Chloroethane		0.136	0.148	0.141	0.128	0.138	0.146	0.151	0.147	0.142	5.53
7)	TP	Trichlorofluor		0.282	0.335	0.321	0.310	0.311	0.316	0.335	0.348	0.320	6.33
8)	TP	Ethyl ether		0.121	0.102	0.099	0.092	0.094	0.094	0.100	0.103	0.101	9.16
10)	TC	1,1-Dichloroet		0.164	0.192	0.188	0.183	0.184	0.185	0.194	0.199	0.186	5.58
11)	TP	Carbon disulfide		0.359	0.403	0.383	0.381	0.379	0.378	0.399	0.407	0.386	4.16
12)	TP	Freon-113		0.188	0.209	0.202	0.205	0.201	0.201	0.216	0.222	0.206	5.00
14)	TP	Acrolein					0.008	0.008	0.008	0.009	0.010	0.008#	8.83
15)	TP	Methylene chlo		0.439	0.311	0.275	0.213	0.214	0.208	0.216	0.220	*L	0.9994
17)	TP	Acetone		0.219	0.154	0.095	0.057	0.063	0.052	0.064	0.058	*Q	0.9947
18)	TP	trans-1,2-Dich		0.208	0.205	0.224	0.196	0.204	0.204	0.213	0.219	0.209	4.26
19)	TP	Methyl acetate			0.148	0.128	0.126	0.126	0.127	0.135	0.134	0.132	6.07
20)	TP	Methyl tert butyl ether		0.452	0.470	0.490	0.471	0.497	0.503	0.524	0.533	0.492	5.62
21)	TP	tert-Butyl alc		0.039	0.031	0.031	0.026	0.028	0.027	0.029	0.029	0.030	13.18
22)	TP	Diisopropyl ether		0.597	0.600	0.627	0.623	0.643	0.653	0.683	0.700	0.641	5.77
23)	TP	1,1-Dichloroet		0.298	0.339	0.350	0.337	0.340	0.342	0.358	0.366	0.341	5.97
24)	TP	Halothane		0.154	0.164	0.161	0.165	0.165	0.165	0.175	0.179	0.166	4.52
25)	TP	Acrylonitrile			0.071	0.067	0.058	0.059	0.059	0.063	0.063	0.063	7.97
26)	TP	Ethyl tert-but		0.595	0.577	0.620	0.614	0.640	0.645	0.680	0.694	0.633	6.32
27)	TP	Vinyl acetate		0.426	0.406	0.415	0.434	0.414	0.460	0.448	0.486	0.436	6.26
28)	TP	cis-1,2-Dichlo		0.235	0.231	0.242	0.219	0.229	0.223	0.233	0.237	0.231	3.20
29)	TP	2,2-Dichloropr		0.295	0.322	0.320	0.300	0.309	0.305	0.319	0.328	0.312	3.75
30)	TP	Bromochloromet		0.113	0.120	0.120	0.115	0.118	0.120	0.123	0.124	0.119	3.08
31)	TP	Cyclohexane		0.289	0.369	0.342	0.343	0.337	0.347	0.366	0.377	0.346	7.90
32)	TC	Chloroform		0.416	0.351	0.356	0.348	0.361	0.364	0.379	0.386	0.370	6.09
33)	TP	Ethyl acetate			0.185	0.209	0.186	0.203	0.202	0.212	0.215	0.202	5.98
34)	TP	Carbon tetrach		0.268	0.295	0.287	0.290	0.296	0.302	0.320	0.327	0.298	6.24
35)	TP	Tetrahydrofuran			0.072	0.061	0.067	0.069	0.068	0.071	0.073	0.069	5.58
36)	S	Dibromofluoromethane	0.264	0.263	0.265	0.266	0.260	0.263	0.267	0.264	0.268	0.264	0.92
37)	TP	1,1,1-Trichloroethane	0.276	0.319	0.360	0.320	0.318	0.320	0.321	0.336	0.343	0.324	7.14
39)	TP	2-Butanone			0.096	0.094	0.086	0.096	0.088	0.100	0.097	0.094	5.50
40)	TP	1,1-Dichloropropene	0.273	0.219	0.269	0.263	0.266	0.263	0.266	0.285	0.291	0.266	7.58

Initial Calibration Summary
Form 6
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA129	**Ical Ref**	: ICAL19631
Calibration dates	: 12/27/22 23:14 12/28/22 02:00		

Calibration Files

0.5 =V29221227N03.D 1 =V29221227N04.D 2 =V29221227N05.D 4 =V29221227N06.D 20 =V29221227N07.D

40 =V29221227N08.D 100 =V29221227N09.D 200 =V29221227N10.D 300 =V29221227N11.D

		Compound	0.5	1	2	4	20	40	100	200	300	Avg	%RSD
41)	TP	Benzene	0.768	0.757	0.778	0.792	0.785	0.800	0.799	0.836	0.847	0.796	3.71
42)	TP	Tertiary-Amyl Methyl Ether		0.570	0.551	0.569	0.576	0.605	0.612	0.641	0.655	0.597	6.22
43)	S	1,2-Dichloroethane-d4	0.268	0.274	0.264	0.262	0.259	0.256	0.252	0.258	0.257	0.261	2.63
44)	TP	1,2-Dichloroet		0.255	0.251	0.261	0.255	0.260	0.265	0.276	0.281	0.263	3.98
47)	TP	Methyl cyclohe		0.297	0.386	0.361	0.382	0.369	0.376	0.399	0.409	0.372	9.21
48)	TP	Trichloroethene	0.231	0.237	0.215	0.213	0.217	0.225	0.222	0.238	0.239	0.226	4.53
50)	TP	Dibromomethane		0.128	0.128	0.133	0.128	0.133	0.136	0.141	0.143	0.134	4.31
51)	TC	1,2-Dichloropr		0.191	0.204	0.216	0.209	0.212	0.215	0.225	0.230	0.213	5.61
53)	TP	2-Chloroethyl		0.114	0.121	0.131	0.127	0.131	0.134	0.141	0.144	0.130	7.38
54)	TP	Bromodichloromethane	0.236	0.269	0.280	0.273	0.283	0.295	0.300	0.313	0.320	0.285#	8.90
57)	TP	1,4-Dioxane		0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.003	0.002#	4.72
58)	TP	cis-1,3-Dichloropropene	0.319	0.317	0.321	0.346	0.343	0.357	0.360	0.376	0.381	0.347	6.97
59)	I	Chlorobenzene-d5	----------ISTD----------										
60)	S	Toluene-d8	1.248	1.234	1.257	1.246	1.248	1.246	1.259	1.251	1.250	1.249	0.57
61)	TC	Toluene		0.597	0.663	0.663	0.640	0.650	0.658	0.686	0.699	0.657	4.65
62)	TP	4-Methyl-2-pen		0.117	0.104	0.112	0.092	0.097	0.100	0.103	0.105	0.104	7.51
63)	TP	Tetrachloroethene	0.293	0.281	0.326	0.316	0.323	0.321	0.322	0.340	0.344	0.318	6.34
65)	TP	trans-1,3-Dich		0.323	0.369	0.382	0.389	0.403	0.414	0.429	0.440	0.394	9.42
67)	TP	Ethyl methacry		0.286	0.306	0.311	0.316	0.326	0.336	0.349	0.356	0.323	7.21
68)	TP	1,1,2-Trichlor		0.146	0.189	0.201	0.187	0.194	0.195	0.203	0.208	0.190#	10.15
69)	TP	Chlorodibromomethane	0.274	0.272	0.289	0.305	0.299	0.310	0.321	0.334	0.337	0.305	7.75
70)	TP	1,3-Dichloropr		0.340	0.362	0.373	0.373	0.386	0.393	0.408	0.413	0.381	6.37
71)	TP	1,2-Dibromoethane	0.248	0.242	0.234	0.243	0.239	0.249	0.252	0.264	0.267	0.249	4.42
72)	TP	2-Hexanone		0.206	0.165	0.169	0.167	0.185	0.184	0.198	0.199	0.184	8.63
73)	TP	Chlorobenzene	0.771	0.694	0.770	0.760	0.751	0.761	0.773	0.795	0.799	0.764	4.01
74)	TC	Ethylbenzene		1.104	1.247	1.241	1.238	1.226	1.246	1.289	1.284	1.234	4.64
75)	TP	1,1,1,2-Tetrachloroethane	0.260	0.244	0.269	0.281	0.288	0.297	0.305	0.313	0.319	0.286	8.84
76)	TP	p/m Xylene	0.479	0.443	0.512	0.519	0.504	0.504	0.507	0.521	0.518	0.501	4.98
77)	TP	o Xylene	0.436	0.449	0.481	0.476	0.475	0.473	0.480	0.495	0.493	0.473	4.05
78)	TP	Styrene	0.749	0.720	0.779	0.777	0.779	0.781	0.797	0.802	0.760	0.772	3.30
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------										
80)	TP	Bromoform		0.333	0.350	0.380	0.396	0.404	0.413	0.433	0.435	0.393	9.39
82)	TP	Isopropylbenzene		2.011	2.276	2.215	2.338	2.237	2.299	2.397	2.333	2.263	5.18
83)	S	4-Bromofluorobenzene	0.830	0.830	0.837	0.817	0.822	0.821	0.817	0.829	0.820	0.825	0.86
84)	TP	Bromobenzene		0.580	0.655	0.633	0.646	0.640	0.651	0.673	0.674	0.644	4.61
85)	TP	n-Propylbenzene		2.280	2.717	2.606	2.711	2.632	2.721	2.785	2.652	2.638	5.90

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2308387**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA129**	**Ical Ref**	**: ICAL19631**
Calibration dates	**: 12/27/22 23:14 12/28/22 02:00**		

Calibration Files

0.5 =V29221227N03.D 1 =V29221227N04.D 2 =V29221227N05.D 4 =V29221227N06.D 20 =V29221227N07.D

40 =V29221227N08.D 100 =V29221227N09.D 200 =V29221227N10.D 300 =V29221227N11.D

	Compound	0.5	1	2	4	20	40	100	200	300	Avg	%RSD
86) TP	1,4-Dichlorobu		0.656	0.606	0.631	0.641	0.639	0.672	0.717	0.722	0.661	6.21
87) TP	1,1,2,2-Tetrachloroethane	0.536	0.520	0.543	0.525	0.552	0.541	0.582	0.604	0.612	0.557	6.06
88) TP	4-Ethyltoluene		1.992	2.182	2.188	2.306	2.228	2.294	2.375	2.299	2.233	5.27
89) TP	2-Chlorotoluene		1.449	1.601	1.496	1.546	1.499	1.546	1.617	1.634	1.549	4.22
90) TP	1,3,5-Trimethy		1.734	1.938	1.904	1.996	1.948	2.007	2.082	2.020	1.954	5.35
91) TP	1,2,3-Trichlor		0.372	0.405	0.409	0.420	0.431	0.448	0.472	0.476	0.429	8.16
92) TP	trans-1,4-Dich		0.157	0.147	0.163	0.151	0.148	0.160	0.173	0.177	0.159	6.99
93) TP	4-Chlorotoluene		1.436	1.674	1.567	1.649	1.624	1.671	1.740	1.709	1.634	5.84
94) TP	tert-Butylbenzene		1.537	1.731	1.706	1.760	1.718	1.783	1.838	1.790	1.733	5.20
97) TP	1,2,4-Trimethy		1.706	1.851	1.847	1.949	1.924	2.004	2.068	2.001	1.919	5.98
98) TP	sec-Butylbenzene		2.171	2.522	2.450	2.579	2.479	2.558	2.642	2.524	2.491	5.71
99) TP	p-Isopropyltol		1.881	2.168	2.105	2.300	2.205	2.282	2.346	2.244	2.191	6.70
100) TP	1,3-Dichlorobe		1.043	1.156	1.191	1.224	1.195	1.227	1.261	1.236	1.192	5.73
101) TP	1,4-Dichlorobe		1.180	1.210	1.198	1.228	1.204	1.238	1.279	1.241	1.222	2.53
102) TP	p-Diethylbenzene		1.157	1.290	1.237	1.362	1.317	1.378	1.437	1.398	1.322	6.98
103) TP	n-Butylbenzene		1.529	1.760	1.765	1.931	1.883	1.939	2.035	1.951	1.849	8.64
104) TP	1,2-Dichlorobe		1.027	1.110	1.107	1.159	1.135	1.175	1.209	1.187	1.138	5.08
105) TP	1,2,4,5-Tetram		1.750	1.856	1.907	2.028	2.056	2.133	2.199	2.135	2.008	7.77
106) TP	1,2-Dibromo-3-		0.112	0.110	0.115	0.115	0.118	0.122	0.128	0.127	0.118	5.67
107) TP	1,3,5-Trichlor		0.827	0.914	0.927	0.959	0.950	0.969	0.999	0.976	0.940	5.66
108) TP	Hexachlorobuta		0.435	0.527	0.473	0.517	0.506	0.517	0.525	0.515	0.502	6.34
109) TP	1,2,4-Trichlor		0.781	0.818	0.832	0.887	0.882	0.900	0.922	0.909	0.866	5.80
110) TP	Naphthalene		1.935	1.928	1.901	1.948	1.969	2.033	2.090	2.044	1.981	3.37
111) TP	1,2,3-Trichlor		0.777	0.784	0.784	0.824	0.828	0.845	0.865	0.869	0.822	4.48

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,		Lab Number	: L2308387	
Project Name	: BRIDGE CLEANERS		Project Number	: BRIDGE CLEANERS	
Instrument ID	: GONZO		Calibration Date	: 02/17/23 07:40	
Lab File ID	: VG230217A01		Init. Calib. Date(s)	: 10/18/22	10/19/22
Sample No	: WG1746138-2		Init. Calib. Times	: 22:22	02:43
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	75	0
Dichlorodifluoromethane	0.153	0.13	-	15	20	63	0
Chloromethane	0.202	0.208	-	-3	20	82	0
Vinyl chloride	0.18	0.176	-	2.2	20	72	0
Bromomethane	0.094	0.062	-	34*	20	60	0
Chloroethane	0.051	0.07	-	-37.3*	20	99	0
Trichlorofluoromethane	0.224	0.185	-	17.4	20	66	0
Ethyl ether	0.075	0.072	-	4	20	70	0
1,1-Dichloroethene	0.153	0.134	-	12.4	20	68	0
Carbon disulfide	0.396	0.461	-	-16.4	20	90	0
Freon-113	0.156	0.136	-	12.8	20	64	0
Iodomethane	0.203	0.124	-	38.9*	20	49	0
Acrolein	0.026	0.026	-	0	20	78	0
Methylene chloride	0.176	0.163	-	7.4	20	75	0
Acetone	0.049	0.044	-	10.2	20	68	0
trans-1,2-Dichloroethene	0.162	0.147	-	9.3	20	69	0
Methyl acetate	0.12	0.099	-	17.5	20	66	0
Methyl tert-butyl ether	0.415	0.343	-	17.3	20	63	0
tert-Butyl alcohol	0.01733	0.00958*	-	44.7*	20	42	0
Diisopropyl ether	0.553	0.531	-	4	20	74	0
1,1-Dichloroethane	0.3	0.305	-	-1.7	20	76	-.02
Halothane	0.129	0.112	-	13.2	20	66	0
Acrylonitrile	0.056	0.049	-	12.5	20	68	0
Ethyl tert-butyl ether	0.516	0.457	-	11.4	20	68	0
Vinyl acetate	0.343	0.345	-	-0.6	20	82	0
cis-1,2-Dichloroethene	0.185	0.168*	-	9.2	20	71	0
2,2-Dichloropropane	0.248	0.236	-	4.8	20	70	0
Bromochloromethane	0.079	0.074*	-	6.3	20	70	-.02
Cyclohexane	0.333	0.298	-	10.5	20	67	0
Chloroform	0.291	0.275	-	5.5	20	73	0
Ethyl acetate	0.163	0.141	-	13.5	20	68	0
Carbon tetrachloride	0.219	0.192	-	12.3	20	66	0
Tetrahydrofuran	0.053	0.047	-	11.3	20	69	0
Dibromofluoromethane	0.249	0.247	-	0.8	20	74	0
1,1,1-Trichloroethane	0.25	0.226	-	9.6	20	68	0
2-Butanone	0.08	0.063	-	21.3*	20	63	0
1,1-Dichloropropene	0.227	0.212	-	6.6	20	70	0
Benzene	0.687	0.659	-	4.1	20	73	0
tert-Amyl methyl ether	0.468	0.391	-	16.5	20	64	-.02
1,2-Dichloroethane-d4	0.292	0.318	-	-8.9	20	77	0
1,2-Dichloroethane	0.207	0.2	-	3.4	20	73	0
Methyl cyclohexane	0.345	0.282	-	18.3	20	62	0
Trichloroethene	0.189	0.161*	-	14.8	20	69	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,		Lab Number	: L2308387	
Project Name	: BRIDGE CLEANERS		Project Number	: BRIDGE CLEANERS	
Instrument ID	: GONZO		Calibration Date	: 02/17/23 07:40	
Lab File ID	: VG230217A01		Init. Calib. Date(s)	: 10/18/22	10/19/22
Sample No	: WG1746138-2		Init. Calib. Times	: 22:22	02:43
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibromomethane	0.093	0.089	-	4.3	20	72	-.02
1,2-Dichloropropane	0.17	0.17	-	0	20	75	0
Bromodichloromethane	0.226	0.208*	-	8	20	71	-.01
1,4-Dioxane	0.00164	0.00149*	-	9.1	20	64	-.01
cis-1,3-Dichloropropene	0.278	0.251*	-	9.7	20	69	0
Chlorobenzene-d5	1	1	-	0	20	71	0
Toluene-d8	1.29	1.335	-	-3.5	20	74	-.01
Toluene	0.548	0.533	-	2.7	20	70	0
4-Methyl-2-pentanone	0.08	0.063	-	21.3*	20	59	0
Tetrachloroethene	0.244	0.219	-	10.2	20	65	-.01
trans-1,3-Dichloropropene	0.311	0.298*	-	4.2	20	69	-.01
Ethyl methacrylate	0.277	0.233	-	15.9	20	61	-.01
1,1,2-Trichloroethane	0.162	0.15*	-	7.4	20	73	-.01
Chlorodibromomethane	0.209	0.193*	-	7.7	20	69	-.01
1,3-Dichloropropane	0.313	0.311	-	0.6	20	72	-.01
1,2-Dibromoethane	0.18	0.166*	-	7.8	20	68	-.01
2-Hexanone	0.148	0.124	-	16.2	20	64	0
Chlorobenzene	0.594	0.588	-	1	20	71	-.02
Ethylbenzene	1.07	1.04	-	2.8	20	71	-.02
1,1,1,2-Tetrachloroethane	0.21	0.197	-	6.2	20	68	0
p/m Xylene	0.419	0.397	-	5.3	20	68	0
o Xylene	0.397	0.383	-	3.5	20	69	0
Styrene	0.649	0.647	-	0.3	20	71	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	70	-.02
Bromoform	0.258	0.238	-	7.8	20	67	0
Isopropylbenzene	1.813	1.764	-	2.7	20	68	0
4-Bromofluorobenzene	0.883	0.907	-	-2.7	20	72	-.02
Bromobenzene	0.455	0.448	-	1.5	20	69	0
n-Propylbenzene	2.202	2.253	-	-2.3	20	71	0
1,4-Dichlorobutane	0.571	0.599	-	-4.9	20	75	-.02
1,1,2,2-Tetrachloroethane	0.425	0.437	-	-2.8	20	78	0
4-Ethyltoluene	1.826	1.823	-	0.2	20	70	0
2-Chlorotoluene	1.293	1.397	-	-8	20	75	0
1,3,5-Trimethylbenzene	1.581	1.575	-	0.4	20	70	0
1,2,3-Trichloropropane	0.353	0.363	-	-2.8	20	72	-.02
trans-1,4-Dichloro-2-buten	0.127	0.079	-	37.8*	20	46	0
4-Chlorotoluene	1.333	1.405	-	-5.4	20	76	0
tert-Butylbenzene	1.348	1.297	-	3.8	20	67	0
1,2,4-Trimethylbenzene	1.522	1.491	-	2	20	69	0
sec-Butylbenzene	2.02	2	-	1	20	69	-.02
p-Isopropyltoluene	1.733	1.656	-	4.4	20	66	0
1,3-Dichlorobenzene	0.859	0.872	-	-1.5	20	72	0
1,4-Dichlorobenzene	0.867	0.893	-	-3	20	74	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,		Lab Number	: L2308387	
Project Name	: BRIDGE CLEANERS		Project Number	: BRIDGE CLEANERS	
Instrument ID	: GONZO		Calibration Date	: 02/17/23 07:40	
Lab File ID	: VG230217A01		Init. Calib. Date(s)	: 10/18/22	10/19/22
Sample No	: WG1746138-2		Init. Calib. Times	: 22:22	02:43
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.028	0.932	-	9.3	20	64	0
n-Butylbenzene	1.479	1.463	-	1.1	20	68	0
1,2-Dichlorobenzene	0.802	0.813	-	-1.4	20	71	-.02
1,2,4,5-Tetramethylbenzene	1.307	1.006	-	23*	20	56	0
1,2-Dibromo-3-chloropropan	0.078	0.059	-	24.4*	20	56	0
1,3,5-Trichlorobenzene	0.634	0.562	-	11.4	20	63	0
Hexachlorobutadiene	0.321	0.271	-	15.6	20	61	0
1,2,4-Trichlorobenzene	0.51	0.396*	-	22.4*	20	56	-.02
Naphthalene	1.011	0.59	-	41.6*	20	42	0
1,2,3-Trichlorobenzene	0.413	0.3*	-	27.4*	20	53	-.02

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,		Lab Number	: L2308387	
Project Name	: BRIDGE CLEANERS		Project Number	: BRIDGE CLEANERS	
Instrument ID	: VOA129		Calibration Date	: 02/20/23 09:04	
Lab File ID	: V29230220A01		Init. Calib. Date(s)	: 12/27/22	12/28/22
Sample No	: WG1747023-2		Init. Calib. Times	: 23:14	02:00
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	71	0
Dichlorodifluoromethane	0.172	0.121	-	29.7*	20	57	0
Chloromethane	0.209	0.202	-	3.3	20	70	0
Vinyl chloride	0.213	0.183	-	14.1	20	62	0
Bromomethane	40	37.561	-	6.1	20	71	0
Chloroethane	0.142	0.138	-	2.8	20	71	0
Trichlorofluoromethane	0.32	0.299	-	6.6	20	69	0
Ethyl ether	0.101	0.095	-	5.9	20	72	0
1,1-Dichloroethene	0.186	0.18	-	3.2	20	70	0
Carbon disulfide	0.386	0.572	-	-48.2*	20	108	0
Freon-113	0.206	0.198	-	3.9	20	70	0
Acrolein	0.00849	0.03805	-	-348.2*	20	337	0
Methylene chloride	40	41.638	-	-4.1	20	76	0
Acetone	40	56.758	-	-41.9*	20	94	0
trans-1,2-Dichloroethene	0.209	0.216	-	-3.3	20	76	0
Methyl acetate	0.132	0.149	-	-12.9	20	84	0
Methyl tert-butyl ether	0.492	0.547	-	-11.2	20	79	0
tert-Butyl alcohol	0.03	0.029	-	3.3	20	76	0
Diisopropyl ether	0.641	0.768	-	-19.8	20	85	0
1,1-Dichloroethane	0.341	0.385	-	-12.9	20	81	0
Halothane	0.166	0.166	-	0	20	71	0
Acrylonitrile	0.063	0.07	-	-11.1	20	85	0
Ethyl tert-butyl ether	0.633	0.73	-	-15.3	20	81	0
Vinyl acetate	0.436	0.528	-	-21.1*	20	91	0
cis-1,2-Dichloroethene	0.231	0.243	-	-5.2	20	76	0
2,2-Dichloropropane	0.312	0.331	-	-6.1	20	77	0
Bromochloromethane	0.119	0.125	-	-5	20	76	0
Cyclohexane	0.346	0.379	-	-9.5	20	80	.01
Chloroform	0.37	0.402	-	-8.6	20	79	0
Ethyl acetate	0.202	0.226	-	-11.9	20	80	0
Carbon tetrachloride	0.298	0.307	-	-3	20	74	0
Tetrahydrofuran	0.069	0.077	-	-11.6	20	81	0
Dibromofluoromethane	0.264	0.257	-	2.7	20	70	0
1,1,1-Trichloroethane	0.324	0.341	-	-5.2	20	76	0
2-Butanone	0.094	0.115	-	-22.3*	20	86	0
1,1-Dichloropropene	0.266	0.288	-	-8.3	20	78	0
Benzene	0.796	0.864	-	-8.5	20	77	0
tert-Amyl methyl ether	0.597	0.637	-	-6.7	20	75	0
1,2-Dichloroethane-d4	0.261	0.277	-	-6.1	20	77	0
1,2-Dichloroethane	0.263	0.306	-	-16.3	20	84	0
Methyl cyclohexane	0.372	0.379	-	-1.9	20	73	0
Trichloroethene	0.226	0.247	-	-9.3	20	78	0
Dibromomethane	0.134	0.143	-	-6.7	20	77	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,		Lab Number	: L2308387	
Project Name	: BRIDGE CLEANERS		Project Number	: BRIDGE CLEANERS	
Instrument ID	: VOA129		Calibration Date	: 02/20/23 09:04	
Lab File ID	: V29230220A01		Init. Calib. Date(s)	: 12/27/22	12/28/22
Sample No	: WG1747023-2		Init. Calib. Times	: 23:14	02:00
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.213	0.243	-	-14.1	20	82	0
2-Chloroethyl vinyl ether	0.13	0.153	-	-17.7	20	83	0
Bromodichloromethane	0.285	0.315	-	-10.5	20	76	0
1,4-Dioxane	0.00245	0.00242*	-	1.2	20	70	0
cis-1,3-Dichloropropene	0.347	0.379	-	-9.2	20	76	0
Chlorobenzene-d5	1	1	-	0	20	68	0
Toluene-d8	1.249	1.288	-	-3.1	20	71	0
Toluene	0.657	0.733	-	-11.6	20	77	0
4-Methyl-2-pentanone	0.104	0.111	-	-6.7	20	78	0
Tetrachloroethene	0.318	0.357	-	-12.3	20	76	0
trans-1,3-Dichloropropene	0.394	0.447	-	-13.5	20	76	0
Ethyl methacrylate	0.323	0.355	-	-9.9	20	74	0
1,1,2-Trichloroethane	0.19	0.216	-	-13.7	20	76	0
Chlorodibromomethane	0.305	0.324	-	-6.2	20	71	0
1,3-Dichloropropane	0.381	0.437	-	-14.7	20	77	0
1,2-Dibromoethane	0.249	0.271	-	-8.8	20	75	0
2-Hexanone	0.184	0.212	-	-15.2	20	78	0
Chlorobenzene	0.764	0.866	-	-13.4	20	78	0
Ethylbenzene	1.234	1.413	-	-14.5	20	79	0
1,1,1,2-Tetrachloroethane	0.286	0.322	-	-12.6	20	74	0
p/m Xylene	0.501	0.569	-	-13.6	20	77	0
o Xylene	0.473	0.549	-	-16.1	20	79	0
Styrene	0.772	0.928	-	-20.2*	20	81	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	67	0
Bromoform	0.393	0.412	-	-4.8	20	68	0
Isopropylbenzene	2.263	2.612	-	-15.4	20	78	0
4-Bromofluorobenzene	0.825	0.831	-	-0.7	20	68	0
Bromobenzene	0.644	0.729	-	-13.2	20	76	0
n-Propylbenzene	2.638	3.097	-	-17.4	20	79	0
1,4-Dichlorobutane	0.661	0.832	-	-25.9*	20	87	0
1,1,2,2-Tetrachloroethane	0.557	0.607	-	-9	20	75	0
4-Ethyltoluene	2.233	2.623	-	-17.5	20	79	0
2-Chlorotoluene	1.549	1.75	-	-13	20	78	0
1,3,5-Trimethylbenzene	1.954	2.258	-	-15.6	20	78	0
1,2,3-Trichloropropane	0.429	0.494	-	-15.2	20	77	0
trans-1,4-Dichloro-2-buten	0.159	0.204	-	-28.3*	20	92	0
4-Chlorotoluene	1.634	1.916	-	-17.3	20	79	0
tert-Butylbenzene	1.733	1.952	-	-12.6	20	76	0
1,2,4-Trimethylbenzene	1.919	2.247	-	-17.1	20	78	0
sec-Butylbenzene	2.491	2.862	-	-14.9	20	77	0
p-Isopropyltoluene	2.191	2.519	-	-15	20	77	0
1,3-Dichlorobenzene	1.192	1.389	-	-16.5	20	78	0
1,4-Dichlorobenzene	1.222	1.399	-	-14.5	20	78	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,		Lab Number	: L2308387	
Project Name	: BRIDGE CLEANERS		Project Number	: BRIDGE CLEANERS	
Instrument ID	: VOA129		Calibration Date	: 02/20/23 09:04	
Lab File ID	: V29230220A01		Init. Calib. Date(s)	: 12/27/22	12/28/22
Sample No	: WG1747023-2		Init. Calib. Times	: 23:14	02:00
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.322	1.531	-	-15.8	20	78	0
n-Butylbenzene	1.849	2.248	-	-21.6*	20	80	0
1,2-Dichlorobenzene	1.138	1.307	-	-14.9	20	77	0
1,2,4,5-Tetramethylbenzene	2.008	2.306	-	-14.8	20	75	0
1,2-Dibromo-3-chloropropan	0.118	0.116	-	1.7	20	66	0
1,3,5-Trichlorobenzene	0.94	1.129	-	-20.1*	20	80	0
Hexachlorobutadiene	0.502	0.589	-	-17.3	20	78	0
1,2,4-Trichlorobenzene	0.866	1.043	-	-20.4*	20	79	0
Naphthalene	1.981	2.15	-	-8.5	20	73	0
1,2,3-Trichlorobenzene	0.822	0.976	-	-18.7	20	79	0

* Value outside of QC limits.

Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high andassociated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

L2313422

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

Data Usability Summary Report
for Alpha Analytical Labs
SDG Number: L2313422

4 Soil Samples and 1 Trip Blank
Collected March 14-15, 2023

Prepared by: Donald Anné
April 27, 2023

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of volatile results for 4 soil samples and 1 trip blank.

The overall performances of the analyses are acceptable. Alpha Analytical Labs did fulfill the requirements of the analytical method.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The "not detected" result for 1,4-dioxane was qualified as "rejected, unusable" (R) for the trip blank because the RRF for 1,4-dioxane was below the allowable minimum in the associated continuing calibration.

All data that are not qualified rejected (R) are considered usable. Detailed information on data quality is included in the data validation review.

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Qualified Data Section

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2313422-01	Date Collected	: 03/14/23 11:20
Client ID	: PX-N	Date Received	: 03/15/23
Sample Location	: QUEENS, NY	Date Analyzed	: 03/17/23 19:35
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V04230317N11	Instrument ID	: VOA104
Sample Amount	: 5.9 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 84
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5.0	2.3	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.15	U
67-66-3	Chloroform	ND	1.5	0.14	U
56-23-5	Carbon tetrachloride	ND	1.0	0.23	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.12	U
124-48-1	Dibromochloromethane	ND	1.0	0.14	U
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.27	U
127-18-4	Tetrachloroethene	1.2	0.50	0.20	
108-90-7	Chlorobenzene	ND	0.50	0.13	U
75-69-4	Trichlorofluoromethane	ND	4.0	0.70	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.17	U
75-27-4	Bromodichloromethane	ND	0.50	0.11	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.28	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.16	U
563-58-6	1,1-Dichloropropene	ND	0.50	0.16	U
75-25-2	Bromoform	ND	4.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.17	U
108-88-3	Toluene	ND	1.0	0.55	U
100-41-4	Ethylbenzene	ND	1.0	0.14	U
74-87-3	Chloromethane	ND	4.0	0.94	U
74-83-9	Bromomethane	ND	2.0	0.58	U
75-01-4	Vinyl chloride	ND	1.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2313422-01	Date Collected	: 03/14/23 11:20
Client ID	: PX-N	Date Received	: 03/15/23
Sample Location	: QUEENS, NY	Date Analyzed	: 03/17/23 19:35
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V04230317N11	Instrument ID	: VOA104
Sample Amount	: 5.9 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 84
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.0	0.46	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.14	U
79-01-6	Trichloroethene	ND	0.50	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.56	U
95-47-6	o-Xylene	ND	1.0	0.29	U
1330-20-7	Xylenes, Total	ND	1.0	0.29	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
540-59-0	1,2-Dichloroethene, Total	ND	1.0	0.14	U
74-95-3	Dibromomethane	ND	2.0	0.24	U
100-42-5	Styrene	ND	1.0	0.20	U
75-71-8	Dichlorodifluoromethane	ND	10	0.92	U
67-64-1	Acetone	ND	10	4.8	U
75-15-0	Carbon disulfide	ND	10	4.6	U
78-93-3	2-Butanone	ND	10	2.2	U
108-05-4	Vinyl acetate	ND	10	2.2	U
108-10-1	4-Methyl-2-pentanone	ND	10	1.3	U
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.13	U
591-78-6	2-Hexanone	ND	10	1.2	U
74-97-5	Bromochloromethane	ND	2.0	0.21	U
594-20-7	2,2-Dichloropropane	ND	2.0	0.20	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2313422-01	Date Collected	: 03/14/23 11:20
Client ID	: PX-N	Date Received	: 03/15/23
Sample Location	: QUEENS, NY	Date Analyzed	: 03/17/23 19:35
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V04230317N11	Instrument ID	: VOA104
Sample Amount	: 5.9 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 84
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	U
142-28-9	1,3-Dichloropropane	ND	2.0	0.17	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	U
108-86-1	Bromobenzene	ND	2.0	0.15	U
104-51-8	n-Butylbenzene	ND	1.0	0.17	U
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
95-49-8	o-Chlorotoluene	ND	2.0	0.19	U
106-43-4	p-Chlorotoluene	ND	2.0	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.0	1.0	U
87-68-3	Hexachlorobutadiene	ND	4.0	0.17	U
98-82-8	Isopropylbenzene	ND	1.0	0.11	U
99-87-6	p-Isopropyltoluene	ND	1.0	0.11	U
91-20-3	Naphthalene	ND	4.0	0.65	U
107-13-1	Acrylonitrile	ND	4.0	1.2	U
103-65-1	n-Propylbenzene	ND	1.0	0.17	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.32	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.27	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.34	U
123-91-1	1,4-Dioxane	ND	80	35.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.18	U
622-96-8	p-Ethyltoluene	ND	2.0	0.39	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.19	U
60-29-7	Ethyl ether	ND	2.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-01	**Date Collected**	: 03/14/23 11:20
Client ID	: PX-N	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/17/23 19:35
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V04230317N11	**Instrument ID**	: VOA104
Sample Amount	: 5.9 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 84
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	1.4	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2313422-02	Date Collected	: 03/14/23 13:00
Client ID	: PX-C	Date Received	: 03/15/23
Sample Location	: QUEENS, NY	Date Analyzed	: 03/17/23 20:01
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V04230317N12	Instrument ID	: VOA104
Sample Amount	: 6.1 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 82
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5.0	2.3	U
75-34-3	1,1-Dichloroethane	ND	0.99	0.14	U
67-66-3	Chloroform	ND	1.5	0.14	U
56-23-5	Carbon tetrachloride	ND	0.99	0.23	U
78-87-5	1,2-Dichloropropane	ND	0.99	0.12	U
124-48-1	Dibromochloromethane	ND	0.99	0.14	U
79-00-5	1,1,2-Trichloroethane	ND	0.99	0.26	U
127-18-4	Tetrachloroethene	2.8	0.50	0.19	
108-90-7	Chlorobenzene	ND	0.50	0.12	U
75-69-4	Trichlorofluoromethane	ND	4.0	0.69	U
107-06-2	1,2-Dichloroethane	ND	0.99	0.25	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.11	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.99	0.27	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.16	U
563-58-6	1,1-Dichloropropene	ND	0.50	0.16	U
75-25-2	Bromoform	ND	4.0	0.24	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.16	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.99	0.54	U
100-41-4	Ethylbenzene	ND	0.99	0.14	U
74-87-3	Chloromethane	ND	4.0	0.92	U
74-83-9	Bromomethane	ND	2.0	0.58	U
75-01-4	Vinyl chloride	ND	0.99	0.33	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2313422-02	Date Collected	: 03/14/23 13:00
Client ID	: PX-C	Date Received	: 03/15/23
Sample Location	: QUEENS, NY	Date Analyzed	: 03/17/23 20:01
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V04230317N12	Instrument ID	: VOA104
Sample Amount	: 6.1 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 82
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.0	0.45	U
75-35-4	1,1-Dichloroethene	ND	0.99	0.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.14	U
79-01-6	Trichloroethene	ND	0.50	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.56	U
95-47-6	o-Xylene	ND	0.99	0.29	U
1330-20-7	Xylenes, Total	ND	0.99	0.29	U
156-59-2	cis-1,2-Dichloroethene	ND	0.99	0.17	U
540-59-0	1,2-Dichloroethene, Total	ND	0.99	0.14	U
74-95-3	Dibromomethane	ND	2.0	0.24	U
100-42-5	Styrene	ND	0.99	0.19	U
75-71-8	Dichlorodifluoromethane	ND	9.9	0.91	U
67-64-1	Acetone	ND	9.9	4.8	U
75-15-0	Carbon disulfide	ND	9.9	4.5	U
78-93-3	2-Butanone	ND	9.9	2.2	U
108-05-4	Vinyl acetate	ND	9.9	2.1	U
108-10-1	4-Methyl-2-pentanone	ND	9.9	1.3	U
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.12	U
591-78-6	2-Hexanone	ND	9.9	1.2	U
74-97-5	Bromochloromethane	ND	2.0	0.20	U
594-20-7	2,2-Dichloropropane	ND	2.0	0.20	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2313422-02	Date Collected	: 03/14/23 13:00
Client ID	: PX-C	Date Received	: 03/15/23
Sample Location	: QUEENS, NY	Date Analyzed	: 03/17/23 20:01
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V04230317N12	Instrument ID	: VOA104
Sample Amount	: 6.1 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 82
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	0.99	0.28	U
142-28-9	1,3-Dichloropropane	ND	2.0	0.16	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	U
108-86-1	Bromobenzene	ND	2.0	0.14	U
104-51-8	n-Butylbenzene	ND	0.99	0.16	U
135-98-8	sec-Butylbenzene	ND	0.99	0.14	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
95-49-8	o-Chlorotoluene	ND	2.0	0.19	U
106-43-4	p-Chlorotoluene	ND	2.0	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.0	0.99	U
87-68-3	Hexachlorobutadiene	ND	4.0	0.17	U
98-82-8	Isopropylbenzene	ND	0.99	0.11	U
99-87-6	p-Isopropyltoluene	ND	0.99	0.11	U
91-20-3	Naphthalene	ND	4.0	0.64	U
107-13-1	Acrylonitrile	ND	4.0	1.1	U
103-65-1	n-Propylbenzene	ND	0.99	0.17	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.32	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.27	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.33	U
123-91-1	1,4-Dioxane	ND	79	35.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.18	U
622-96-8	p-Ethyltoluene	ND	2.0	0.38	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.19	U
60-29-7	Ethyl ether	ND	2.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-02	**Date Collected**	: 03/14/23 13:00
Client ID	: PX-C	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/17/23 20:01
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V04230317N12	**Instrument ID**	: VOA104
Sample Amount	: 6.1 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 82
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	1.4	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2313422-03	Date Collected	: 03/15/23 08:15
Client ID	: PX-NW	Date Received	: 03/15/23
Sample Location	: QUEENS, NY	Date Analyzed	: 03/17/23 20:27
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V04230317N13	Instrument ID	: VOA104
Sample Amount	: 3.9 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 95
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	6.8	3.1	U
75-34-3	1,1-Dichloroethane	ND	1.4	0.20	U
67-66-3	Chloroform	ND	2.0	0.19	U
56-23-5	Carbon tetrachloride	ND	1.4	0.31	U
78-87-5	1,2-Dichloropropane	ND	1.4	0.17	U
124-48-1	Dibromochloromethane	ND	1.4	0.19	U
79-00-5	1,1,2-Trichloroethane	ND	1.4	0.36	U
127-18-4	Tetrachloroethene	7.8	0.68	0.27	
108-90-7	Chlorobenzene	ND	0.68	0.17	U
75-69-4	Trichlorofluoromethane	ND	5.5	0.95	U
107-06-2	1,2-Dichloroethane	ND	1.4	0.35	U
71-55-6	1,1,1-Trichloroethane	ND	0.68	0.23	U
75-27-4	Bromodichloromethane	ND	0.68	0.15	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.4	0.37	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.68	0.22	U
542-75-6	1,3-Dichloropropene, Total	ND	0.68	0.22	U
563-58-6	1,1-Dichloropropene	ND	0.68	0.22	U
75-25-2	Bromoform	ND	5.5	0.34	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.68	0.23	U
71-43-2	Benzene	ND	0.68	0.23	U
108-88-3	Toluene	ND	1.4	0.74	U
100-41-4	Ethylbenzene	ND	1.4	0.19	U
74-87-3	Chloromethane	ND	5.5	1.3	U
74-83-9	Bromomethane	ND	2.7	0.79	U
75-01-4	Vinyl chloride	ND	1.4	0.46	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2313422-03	Date Collected	: 03/15/23 08:15
Client ID	: PX-NW	Date Received	: 03/15/23
Sample Location	: QUEENS, NY	Date Analyzed	: 03/17/23 20:27
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V04230317N13	Instrument ID	: VOA104
Sample Amount	: 3.9 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 95
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.7	0.62	U
75-35-4	1,1-Dichloroethene	ND	1.4	0.32	U
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.19	U
79-01-6	Trichloroethene	ND	0.68	0.19	U
95-50-1	1,2-Dichlorobenzene	ND	2.7	0.20	U
541-73-1	1,3-Dichlorobenzene	ND	2.7	0.20	U
106-46-7	1,4-Dichlorobenzene	ND	2.7	0.23	U
1634-04-4	Methyl tert butyl ether	ND	2.7	0.27	U
179601-23-1	p/m-Xylene	ND	2.7	0.76	U
95-47-6	o-Xylene	ND	1.4	0.40	U
1330-20-7	Xylenes, Total	ND	1.4	0.40	U
156-59-2	cis-1,2-Dichloroethene	ND	1.4	0.24	U
540-59-0	1,2-Dichloroethene, Total	ND	1.4	0.19	U
74-95-3	Dibromomethane	ND	2.7	0.32	U
100-42-5	Styrene	ND	1.4	0.27	U
75-71-8	Dichlorodifluoromethane	ND	14	1.2	U
67-64-1	Acetone	ND	14	6.6	U
75-15-0	Carbon disulfide	ND	14	6.2	U
78-93-3	2-Butanone	ND	14	3.0	U
108-05-4	Vinyl acetate	ND	14	2.9	U
108-10-1	4-Methyl-2-pentanone	ND	14	1.8	U
96-18-4	1,2,3-Trichloropropane	ND	2.7	0.17	U
591-78-6	2-Hexanone	ND	14	1.6	U
74-97-5	Bromochloromethane	ND	2.7	0.28	U
594-20-7	2,2-Dichloropropane	ND	2.7	0.28	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2313422-03	Date Collected	: 03/15/23 08:15
Client ID	: PX-NW	Date Received	: 03/15/23
Sample Location	: QUEENS, NY	Date Analyzed	: 03/17/23 20:27
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V04230317N13	Instrument ID	: VOA104
Sample Amount	: 3.9 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 95
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.4	0.38	U
142-28-9	1,3-Dichloropropane	ND	2.7	0.23	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.68	0.18	U
108-86-1	Bromobenzene	ND	2.7	0.20	U
104-51-8	n-Butylbenzene	ND	1.4	0.23	U
135-98-8	sec-Butylbenzene	ND	1.4	0.20	U
98-06-6	tert-Butylbenzene	ND	2.7	0.16	U
95-49-8	o-Chlorotoluene	ND	2.7	0.26	U
106-43-4	p-Chlorotoluene	ND	2.7	0.15	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.1	1.4	U
87-68-3	Hexachlorobutadiene	ND	5.5	0.23	U
98-82-8	Isopropylbenzene	ND	1.4	0.15	U
99-87-6	p-Isopropyltoluene	ND	1.4	0.15	U
91-20-3	Naphthalene	ND	5.5	0.89	U
107-13-1	Acrylonitrile	ND	5.5	1.6	U
103-65-1	n-Propylbenzene	ND	1.4	0.23	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.7	0.44	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.7	0.37	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.7	0.26	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.7	0.46	U
123-91-1	1,4-Dioxane	ND	110	48.	U
105-05-5	p-Diethylbenzene	ND	2.7	0.24	U
622-96-8	p-Ethyltoluene	ND	2.7	0.52	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.7	0.26	U
60-29-7	Ethyl ether	ND	2.7	0.47	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-03	**Date Collected**	: 03/15/23 08:15
Client ID	: PX-NW	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/17/23 20:27
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V04230317N13	**Instrument ID**	: VOA104
Sample Amount	: 3.9 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 95
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.8	1.9	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2313422-04	Date Collected	: 03/15/23 08:50
Client ID	: PX-W	Date Received	: 03/15/23
Sample Location	: QUEENS, NY	Date Analyzed	: 03/17/23 20:53
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V04230317N14	Instrument ID	: VOA104
Sample Amount	: 5.1 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 93
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5.3	2.4	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.15	U
67-66-3	Chloroform	ND	1.6	0.15	U
56-23-5	Carbon tetrachloride	ND	1.0	0.24	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.13	U
124-48-1	Dibromochloromethane	ND	1.0	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	U
127-18-4	Tetrachloroethene	21	0.53	0.21	
108-90-7	Chlorobenzene	ND	0.53	0.13	U
75-69-4	Trichlorofluoromethane	ND	4.2	0.74	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.27	U
71-55-6	1,1,1-Trichloroethane	ND	0.53	0.18	U
75-27-4	Bromodichloromethane	ND	0.53	0.12	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.29	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.53	0.17	U
542-75-6	1,3-Dichloropropene, Total	ND	0.53	0.17	U
563-58-6	1,1-Dichloropropene	ND	0.53	0.17	U
75-25-2	Bromoform	ND	4.2	0.26	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.53	0.18	U
71-43-2	Benzene	ND	0.53	0.18	U
108-88-3	Toluene	ND	1.0	0.57	U
100-41-4	Ethylbenzene	ND	1.0	0.15	U
74-87-3	Chloromethane	ND	4.2	0.99	U
74-83-9	Bromomethane	ND	2.1	0.61	U
75-01-4	Vinyl chloride	ND	1.0	0.35	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2313422-04	Date Collected	: 03/15/23 08:50
Client ID	: PX-W	Date Received	: 03/15/23
Sample Location	: QUEENS, NY	Date Analyzed	: 03/17/23 20:53
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V04230317N14	Instrument ID	: VOA104
Sample Amount	: 5.1 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 93
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.1	0.48	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.25	U
156-60-5	trans-1,2-Dichloroethene	ND	1.6	0.14	U
79-01-6	Trichloroethene	ND	0.53	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.1	0.15	U
541-73-1	1,3-Dichlorobenzene	ND	2.1	0.16	U
106-46-7	1,4-Dichlorobenzene	ND	2.1	0.18	U
1634-04-4	Methyl tert butyl ether	ND	2.1	0.21	U
179601-23-1	p/m-Xylene	ND	2.1	0.59	U
95-47-6	o-Xylene	ND	1.0	0.31	U
1330-20-7	Xylenes, Total	ND	1.0	0.31	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
540-59-0	1,2-Dichloroethene, Total	ND	1.0	0.14	U
74-95-3	Dibromomethane	ND	2.1	0.25	U
100-42-5	Styrene	ND	1.0	0.21	U
75-71-8	Dichlorodifluoromethane	ND	10	0.97	U
67-64-1	Acetone	ND	10	5.1	U
75-15-0	Carbon disulfide	ND	10	4.8	U
78-93-3	2-Butanone	ND	10	2.3	U
108-05-4	Vinyl acetate	ND	10	2.3	U
108-10-1	4-Methyl-2-pentanone	ND	10	1.4	U
96-18-4	1,2,3-Trichloropropane	ND	2.1	0.13	U
591-78-6	2-Hexanone	ND	10	1.2	U
74-97-5	Bromochloromethane	ND	2.1	0.22	U
594-20-7	2,2-Dichloropropane	ND	2.1	0.21	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2313422-04	Date Collected	: 03/15/23 08:50
Client ID	: PX-W	Date Received	: 03/15/23
Sample Location	: QUEENS, NY	Date Analyzed	: 03/17/23 20:53
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V04230317N14	Instrument ID	: VOA104
Sample Amount	: 5.1 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 93
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	U
142-28-9	1,3-Dichloropropane	ND	2.1	0.18	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.53	0.14	U
108-86-1	Bromobenzene	ND	2.1	0.15	U
104-51-8	n-Butylbenzene	ND	1.0	0.18	U
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.1	0.12	U
95-49-8	o-Chlorotoluene	ND	2.1	0.20	U
106-43-4	p-Chlorotoluene	ND	2.1	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.2	1.0	U
87-68-3	Hexachlorobutadiene	ND	4.2	0.18	U
98-82-8	Isopropylbenzene	ND	1.0	0.12	U
99-87-6	p-Isopropyltoluene	ND	1.0	0.12	U
91-20-3	Naphthalene	ND	4.2	0.69	U
107-13-1	Acrylonitrile	ND	4.2	1.2	U
103-65-1	n-Propylbenzene	ND	1.0	0.18	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.1	0.34	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.1	0.29	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.1	0.20	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.1	0.35	U
123-91-1	1,4-Dioxane	ND	85	37.	U
105-05-5	p-Diethylbenzene	ND	2.1	0.19	U
622-96-8	p-Ethyltoluene	ND	2.1	0.41	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.1	0.20	U
60-29-7	Ethyl ether	ND	2.1	0.36	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-04	**Date Collected**	: 03/15/23 08:50
Client ID	: PX-W	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/17/23 20:53
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V04230317N14	**Instrument ID**	: VOA104
Sample Amount	: 5.1 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 93
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.3	1.5	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2313422-05	Date Collected	: 03/13/23 00:00
Client ID	: TRIP BLANK	Date Received	: 03/15/23
Sample Location	: QUEENS, NY	Date Analyzed	: 03/17/23 20:59
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V22230317N06	Instrument ID	: VOA122
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	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2313422-05	Date Collected	: 03/13/23 00:00
Client ID	: TRIP BLANK	Date Received	: 03/15/23
Sample Location	: QUEENS, NY	Date Analyzed	: 03/17/23 20:59
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V22230317N06	Instrument ID	: VOA122
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	0.70	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	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2313422-05	Date Collected	: 03/13/23 00:00
Client ID	: TRIP BLANK	Date Received	: 03/15/23
Sample Location	: QUEENS, NY	Date Analyzed	: 03/17/23 20:59
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V22230317N06	Instrument ID	: VOA122
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	R
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	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-05	**Date Collected**	: 03/13/23 00:00
Client ID	: TRIP BLANK	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/17/23 20:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V22230317N06	**Instrument ID**	: VOA122
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

VOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8260C Volatiles Data
for Alpha Analytical, SDG Number: L2313422

4 Soil Samples and 1 Trip Blank
Collected March 14-15, 2023

Prepared by: Donald Anné
April 27, 2023

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRF for acetone was below the method minimum, but not below 0.010 for VOA104 on 01-18-23. The average RRFs for compounds 17 (highlighted yellow on attached Form 6) were below the method minimums, but not below 0.010 for VOA122 on 03-13-23. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no average RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane and 0.010 for all others) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for acetone and 4-methyl-2-pentanone were below the method minimums, but not below 0.010 on 03-17-23 (V04230317N01). The RRFs for 15 compounds (highlighted yellow on attached Form 7) were below the method minimums, but not below 0.010 on 03-17-23 (V22230317N01). The %Ds for chloromethane, carbon disulfide, acetone, and methyl acetate were above the method maximum on 03-17-23 (V04230317N01). The %Ds for bromomethane, 2-hexanone, and bromoform were above the method maximum on 03-17-23 (V22230317N01). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRF for 1,4-dioxane was below the allowable minimum (0.001) on 03-17-23 (V22230317N01). Positive results for 1,4-dioxane should be considered estimated (J) and "not detected" results rejected, unusable (R) in associated samples.

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The %Ds for 9 compounds (highlighted yellow on attached Form 7) were above the allowable maximum (20%) on 03-17-23 (V04230317N01). The %Ds for bromomethane, 2-hexanone, bromoform, and trans-1,4dichlorobutene were above the allowable maximum (20%) on 03-17-23 (V22230317N01). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: Method blank WG1756211-5BLANK contained traces of 1,2,3-trichlorobenzene (0.35 ug/kg) and 1,2,4-trichlorobenzene (0.28 ug/kg). Positive results for 1,2,3-trichlorobenzene and 1,2,4-trichlorobenzene that are less than 5 times the method blank level should be considered not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil sample, field blank, and trip blank.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum and the percent recoveries (%Rs) were within QC limits for aqueous samples WG1756621-3/4.

The RPDs for target compounds were below the allowable maximum, but 2 of 2 %Rs for carbon disulfide and hexachlorobutadiene were above the QC limits for soil samples WG1756211-3/4. Positive results for carbon disulfide and hexachlorobutadiene should be considered estimated, biased high (J+) in associated soil samples.

Compound ID: Checked compounds and surrogates were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1756211-3 **Analysis Date** : 03/17/23 15:41	**File ID**	: V04230317N02
LCSD Sample ID	: WG1756211-4 **Analysis Date** : 03/17/23 16:07	**File ID**	: V04230317N03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	40	37	92	40	37	93	1	70-130	30
1,1-Dichloroethane	40	34	86	40	35	88	2	70-130	30
Chloroform	40	37	94	40	38	95	1	70-130	30
Carbon tetrachloride	40	44	110	40	45	113	3	70-130	30
1,2-Dichloropropane	40	35	87	40	35	87	0	70-130	30
Dibromochloromethane	40	45	112	40	45	112	0	70-130	30
1,1,2-Trichloroethane	40	39	97	40	39	97	0	70-130	30
Tetrachloroethene	40	47	118	40	47	116	2	70-130	30
Chlorobenzene	40	45	113	40	45	111	2	70-130	30
Trichlorofluoromethane	40	45	112	40	47	118	5	70-139	30
1,2-Dichloroethane	40	38	94	40	38	95	1	70-130	30
1,1,1-Trichloroethane	40	44	111	40	44	110	1	70-130	30
Bromodichloromethane	40	39	97	40	39	98	1	70-130	30
trans-1,3-Dichloropropene	40	41	101	40	40	101	0	70-130	30
cis-1,3-Dichloropropene	40	41	103	40	42	104	1	70-130	30
1,1-Dichloropropene	40	42	106	40	43	106	0	70-130	30
Bromoform	40	42	106	40	43	106	0	70-130	30
1,1,2,2-Tetrachloroethane	40	40	100	40	40	100	0	70-130	30
Benzene	40	39	97	40	40	99	2	70-130	30
Toluene	40	44	109	40	44	109	0	70-130	30
Ethylbenzene	40	46	114	40	45	113	1	70-130	30
Chloromethane	40	27	67	40	27	68	1	52-130	30
Bromomethane	40	45	113	40	46	114	1	57-147	30
Vinyl chloride	40	34	84	40	34	85	1	67-130	30
Chloroethane	40	48	121	40	49	123	2	50-151	30
1,1-Dichloroethene	40	39	97	40	39	97	0	65-135	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1756211-3 **Analysis Date** : 03/17/23 15:41	**File ID**	: V04230317N02
LCSD Sample ID	: WG1756211-4 **Analysis Date** : 03/17/23 16:07	**File ID**	: V04230317N03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	40	38	96	40	39	98	2	70-130	30
Trichloroethene	40	44	110	40	45	112	2	70-130	30
1,2-Dichlorobenzene	40	46	115	40	46	115	0	70-130	30
1,3-Dichlorobenzene	40	47	118	40	47	118	0	70-130	30
1,4-Dichlorobenzene	40	46	114	40	46	114	0	70-130	30
Methyl tert butyl ether	40	38	96	40	39	97	1	66-130	30
p/m-Xylene	80	95	119	80	94	117	2	70-130	30
o-Xylene	80	95	119	80	95	118	1	70-130	30
cis-1,2-Dichloroethene	40	36	91	40	39	97	6	70-130	30
Dibromomethane	40	38	94	40	39	97	3	70-130	30
Styrene	80	98	123	80	97	121	2	70-130	30
Dichlorodifluoromethane	40	39	98	40	40	100	2	30-146	30
Acetone	40	29	73	40	31	76	4	54-140	30
Carbon disulfide	40	64	159 Q	40	65	162 Q	2	59-130	30
2-Butanone	40	32	81	40	28	71	13	70-130	30
Vinyl acetate	40	32	79	40	31	78	1	70-130	30
4-Methyl-2-pentanone	40	33	83	40	33	83	0	70-130	30
1,2,3-Trichloropropane	40	41	101	40	41	101	0	68-130	30
2-Hexanone	40	32	80	40	33	82	2	70-130	30
Bromochloromethane	40	39	96	40	39	98	2	70-130	30
2,2-Dichloropropane	40	43	107	40	42	104	3	70-130	30
1,2-Dibromoethane	40	41	102	40	41	102	0	70-130	30
1,3-Dichloropropane	40	42	104	40	41	102	2	69-130	30
1,1,1,2-Tetrachloroethane	40	47	118	40	47	117	1	70-130	30
Bromobenzene	40	45	113	40	46	114	1	70-130	30
n-Butylbenzene	40	48	121	40	48	120	1	70-130	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1756211-3 **Analysis Date** : 03/17/23 15:41	**File ID**	: V04230317N02
LCSD Sample ID	: WG1756211-4 **Analysis Date** : 03/17/23 16:07	**File ID**	: V04230317N03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
sec-Butylbenzene	40	47	118	40	47	118	0	70-130	30
tert-Butylbenzene	40	48	119	40	47	118	1	70-130	30
o-Chlorotoluene	40	46	115	40	46	116	1	70-130	30
p-Chlorotoluene	40	46	114	40	46	114	0	70-130	30
1,2-Dibromo-3-chloropropane	40	42	104	40	41	103	1	68-130	30
Hexachlorobutadiene	40	54	134 Q	40	54	134 Q	0	67-130	30
Isopropylbenzene	40	47	117	40	47	117	0	70-130	30
p-Isopropyltoluene	40	48	121	40	48	121	0	70-130	30
Naphthalene	40	42	105	40	43	106	1	70-130	30
Acrylonitrile	40	29	73	40	30	75	3	70-130	30
n-Propylbenzene	40	46	115	40	46	115	0	70-130	30
1,2,3-Trichlorobenzene	40	47	116	40	48	119	3	70-130	30
1,2,4-Trichlorobenzene	40	49	123	40	49	124	1	70-130	30
1,3,5-Trimethylbenzene	40	46	115	40	46	116	1	70-130	30
1,2,4-Trimethylbenzene	40	46	116	40	46	115	1	70-130	30
1,4-Dioxane	2000	1800	92	2000	1900	94	2	65-136	30
p-Diethylbenzene	40	48	120	40	48	120	0	70-130	30
p-Ethyltoluene	40	47	118	40	47	118	0	70-130	30
1,2,4,5-Tetramethylbenzene	40	48	119	40	48	120	1	70-130	30
Ethyl ether	40	36	89	40	37	91	2	67-130	30
trans-1,4-Dichloro-2-butene	40	39	98	40	39	98	0	70-130	30

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1756211-5	Date Collected	: NA
Client ID	: WG1756211-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/17/23 16:59
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: TMS
Lab File ID	: V04230317N05	Instrument ID	: VOA104
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5.0	2.3	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	U
67-66-3	Chloroform	ND	1.5	0.14	U
56-23-5	Carbon tetrachloride	ND	1.0	0.23	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.12	U
124-48-1	Dibromochloromethane	ND	1.0	0.14	U
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.27	U
127-18-4	Tetrachloroethene	ND	0.50	0.20	U
108-90-7	Chlorobenzene	ND	0.50	0.13	U
75-69-4	Trichlorofluoromethane	ND	4.0	0.70	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.17	U
75-27-4	Bromodichloromethane	ND	0.50	0.11	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.27	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.16	U
563-58-6	1,1-Dichloropropene	ND	0.50	0.16	U
75-25-2	Bromoform	ND	4.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.17	U
108-88-3	Toluene	ND	1.0	0.54	U
100-41-4	Ethylbenzene	ND	1.0	0.14	U
74-87-3	Chloromethane	ND	4.0	0.93	U
74-83-9	Bromomethane	ND	2.0	0.58	U
75-01-4	Vinyl chloride	ND	1.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1756211-5	Date Collected	: NA
Client ID	: WG1756211-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/17/23 16:59
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: TMS
Lab File ID	: V04230317N05	Instrument ID	: VOA104
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.0	0.45	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.14	U
79-01-6	Trichloroethene	ND	0.50	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.56	U
95-47-6	o-Xylene	ND	1.0	0.29	U
1330-20-7	Xylenes, Total	ND	1.0	0.29	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
540-59-0	1,2-Dichloroethene, Total	ND	1.0	0.14	U
74-95-3	Dibromomethane	ND	2.0	0.24	U
100-42-5	Styrene	ND	1.0	0.20	U
75-71-8	Dichlorodifluoromethane	ND	10	0.92	U
67-64-1	Acetone	ND	10	4.8	U
75-15-0	Carbon disulfide	ND	10	4.6	U
78-93-3	2-Butanone	ND	10	2.2	U
108-05-4	Vinyl acetate	ND	10	2.2	U
108-10-1	4-Methyl-2-pentanone	ND	10	1.3	U
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.13	U
591-78-6	2-Hexanone	ND	10	1.2	U
74-97-5	Bromochloromethane	ND	2.0	0.20	U
594-20-7	2,2-Dichloropropane	ND	2.0	0.20	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1756211-5	Date Collected	: NA
Client ID	: WG1756211-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/17/23 16:59
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: TMS
Lab File ID	: V04230317N05	Instrument ID	: VOA104
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	U
142-28-9	1,3-Dichloropropane	ND	2.0	0.17	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	U
108-86-1	Bromobenzene	ND	2.0	0.14	U
104-51-8	n-Butylbenzene	ND	1.0	0.17	U
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
95-49-8	o-Chlorotoluene	ND	2.0	0.19	U
106-43-4	p-Chlorotoluene	ND	2.0	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.0	1.0	U
87-68-3	Hexachlorobutadiene	ND	4.0	0.17	U
98-82-8	Isopropylbenzene	ND	1.0	0.11	U
99-87-6	p-Isopropyltoluene	ND	1.0	0.11	U
91-20-3	Naphthalene	ND	4.0	0.65	U
107-13-1	Acrylonitrile	ND	4.0	1.2	U
103-65-1	n-Propylbenzene	ND	1.0	0.17	U
87-61-6	1,2,3-Trichlorobenzene	0.35	2.0	0.32	J
120-82-1	1,2,4-Trichlorobenzene	0.28	2.0	0.27	J
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.33	U
123-91-1	1,4-Dioxane	ND	80	35.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.18	U
622-96-8	p-Ethyltoluene	ND	2.0	0.38	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.19	U
60-29-7	Ethyl ether	ND	2.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1756211-5	**Date Collected**	: NA
Client ID	: WG1756211-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/17/23 16:59
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: TMS
Lab File ID	: V04230317N05	**Instrument ID**	: VOA104
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	1.4	U

Initial Calibration Summary
Form 6
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA104	**Ical Ref**	: ICAL19666
Calibration dates	: 01/18/23 11:44 01/18/23 16:30		

Calibration Files

0.5 =V04230118A03.D 1.0 =V04230118A06.D 2.0 =V04230118A07.D 4.0 =V04230118A09.D 20 =V04230118A10.D

40 =V04230118A11.D 100 =V04230118A12.D 200 =V04230118A13.D 300 =V04230118A14.D

		Compound	0.5	1.0	2.0	4.0	20	40	100	200	300	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------										
2)	TP	Dichlorodifluo		0.410	0.545	0.503	0.323	0.359	0.471	0.490	0.494	0.449	17.21
3)	TP	Chloromethane		0.879	1.100	0.887	0.685	0.699	0.795	0.787	0.801	0.829	15.82
4)	TC	Vinyl chloride		0.540	0.743	0.634	0.456	0.480	0.587	0.597	0.589	0.578	15.61
5)	TP	Bromomethane			0.443	0.352	0.261	0.264	0.288	0.287	0.284	*L	0.9989
6)	TP	Chloroethane			0.378	0.309	0.232	0.230	0.260	0.228		*L	0.9958
7)	TP	Trichlorofluor		0.548	0.781	0.674	0.465	0.504	0.650	0.658	0.648	0.616	16.75
8)	TP	Ethyl ether		0.129	0.146	0.126	0.117	0.123	0.138	0.142	0.144	0.133	8.17
10)	TC	1,1-Dichloroet		0.352	0.503	0.435	0.308	0.326	0.400	0.401	0.401	0.391	15.98
11)	TP	Carbon disulfide				1.057	0.713	0.726	0.849	0.821	0.805	0.828	14.99
12)	TP	Freon-113		0.363	0.465	0.453	0.284	0.314	0.428	0.436	0.429	0.396	17.06
14)	TP	Acrolein					0.036	0.039	0.045	0.048	0.051	0.044	14.17
15)	TP	Methylene chlo				0.526	0.417	0.422	0.433	0.414	0.413	0.437	10.11
17)	TP	Acetone				0.109	0.064	0.077	0.082	0.086	0.083	0.084	17.68
18)	TP	trans-1,2-Dich		0.349	0.509	0.439	0.345	0.365	0.413	0.407	0.407	0.404	13.32
19)	TP	Methyl acetate				0.134	0.141	0.159	0.181	0.192	0.198	0.168	16.02
20)	TP	Methyl tert butyl ether		0.530	0.591	0.574	0.531	0.602	0.674	0.698	0.701	0.613	11.49
21)	TP	tert-Butyl alc		0.027	0.030	0.030	0.026	0.027	0.029	0.031	0.031	0.029	6.85
22)	TP	Diisopropyl ether		1.061	1.225	1.148	1.076	1.254	1.451	1.473	1.444	1.266	13.44
23)	TP	1,1-Dichloroet		0.917	1.141	0.936	0.777	0.785	0.854	0.836	0.830	0.885	13.32
24)	TP	Halothane		0.263	0.383	0.324	0.244	0.258	0.313	0.323	0.324	0.304	15.14
25)	TP	Acrylonitrile				0.072	0.080	0.087	0.095	0.098	0.101	0.089	12.77
26)	TP	Ethyl tert-but		0.835	0.920	0.891	0.851	0.996	1.164	1.197	1.187	1.005	15.41
27)	TP	Vinyl acetate				0.436	0.493	0.592	0.673	0.692	0.736	0.603	19.67
28)	TP	cis-1,2-Dichlo		0.466	0.546	0.461	0.385	0.415	0.425	0.419	0.419	0.442	11.20
29)	TP	2,2-Dichloropr		0.574	0.763	0.643	0.478	0.502	0.615	0.617	0.602	0.599	14.68
30)	TP	Bromochloromet		0.213	0.240	0.211	0.185	0.185	0.189	0.179	0.176	0.197	11.17
31)	TP	Cyclohexane		0.713	1.013	0.931	0.605	0.659	0.900	0.916	0.906	0.830	17.95
32)	TC	Chloroform		0.779	0.897	0.772	0.637	0.643	0.670	0.661	0.658	0.715	12.93
33)	TP	Ethyl acetate				0.190	0.192	0.230	0.267	0.284	0.294	0.243	18.75
34)	TP	Carbon tetrach		0.419	0.609	0.543	0.382	0.412	0.533	0.557	0.564	0.502	16.88
35)	TP	Tetrahydrofuran			0.102	0.099	0.090	0.085	0.085	0.089	0.089	0.091	7.01
36)	S	Dibromofluoromethane	0.401	0.396	0.398	0.371	0.344	0.318	0.300	0.290	0.290	0.345	13.74
37)	TP	1,1,1-Trichloroethane	0.520	0.517	0.705	0.621	0.453	0.484	0.576	0.590	0.592	0.562	13.75
39)	TP	2-Butanone				0.055	0.083	0.088	0.115	0.129	0.131	*Q	0.9979
40)	TP	1,1-Dichloropropene	0.305	0.330	0.484	0.452	0.355	0.401	0.520	0.538	0.539	*Q	0.9965

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2313422**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA104**	**Ical Ref**	**: ICAL19666**
Calibration dates	**: 01/18/23 11:44 01/18/23 16:30**		

Calibration Files

0.5 =V04230118A03.D 1.0 =V04230118A06.D 2.0 =V04230118A07.D 4.0 =V04230118A09.D 20 =V04230118A10.D

40 =V04230118A11.D 100 =V04230118A12.D 200 =V04230118A13.D 300 =V04230118A14.D

	Compound	0.5	1.0	2.0	4.0	20	40	100	200	300	Avg	%RSD
41) TP	Benzene	1.229	1.153	1.517	1.286	1.156	1.261	1.461	1.459	1.461	1.332	10.76
42) TP	Tertiary-Amyl Methyl Ether		0.632	0.710	0.647	0.592	0.669	0.779	0.817	0.818	0.708	12.35
43) S	1,2-Dichloroethane-d4	0.306	0.313	0.313	0.302	0.263	0.248	0.241	0.247	0.246	0.275	11.64
44) TP	1,2-Dichloroet		0.519	0.557	0.491	0.408	0.435	0.459	0.463	0.467	0.475	9.94
47) TP	Methyl cyclohe		0.424	0.617	0.562	0.395	0.462	0.690	0.724	0.731	*Q	0.9935
48) TP	Trichloroethene	0.273	0.294	0.393	0.360	0.303	0.332	0.412	0.414	0.411	0.355	15.75
50) TP	Dibromomethane		0.200	0.220	0.215	0.189	0.193	0.209	0.213	0.216	0.207	5.59
51) TC	1,2-Dichloropr		0.342	0.428	0.401	0.373	0.402	0.453	0.460	0.461	0.415	10.49
53) TP	2-Chloroethyl					0.131	0.162	0.192	0.208	0.214	0.181	19.09
54) TP	Bromodichloromethane	0.441	0.501	0.579	0.507	0.436	0.467	0.502	0.512	0.514	0.495	8.77
57) TP	1,4-Dioxane		0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003#	19.16
58) TP	cis-1,3-Dichloropropene	0.334	0.406	0.521	0.487	0.466	0.530	0.597	0.616	0.621	0.509	19.17
59) I	Chlorobenzene-d5	----------ISTD----------										
60) S	Toluene-d8	1.151	1.160	1.169	1.202	1.211	1.232	1.234	1.246	1.229	1.204	2.94
61) TC	Toluene		0.790	0.999	0.906	0.788	0.883	1.062	1.081	1.078	0.948	13.02
62) TP	4-Methyl-2-pen				0.080	0.087	0.103	0.120	0.128	0.129	0.108	19.53
63) TP	Tetrachloroethene	0.253	0.296	0.430	0.416	0.328	0.380	0.518	0.545	0.547	*Q	0.9956
65) TP	trans-1,3-Dich		0.303	0.391	0.391	0.410	0.503	0.592	0.615	0.619	*Q	0.9978
67) TP	Ethyl methacry			0.261	0.299	0.288	0.326	0.365	0.370	0.366	0.325	13.44
68) TP	1,1,2-Trichlor		0.162	0.201	0.212	0.203	0.241	0.277	0.287	0.289	*Q	0.9984
69) TP	Chlorodibromomethane		0.275	0.331	0.319	0.313	0.366	0.432	0.454	0.465	0.369	19.48
70) TP	1,3-Dichloropr		0.376	0.420	0.424	0.407	0.481	0.556	0.582	0.586	0.479	17.71
71) TP	1,2-Dibromoethane	0.106	0.174	0.240	0.241	0.240	0.288	0.335	0.353	0.360	*Q	0.9983
72) TP	2-Hexanone				0.192	0.172	0.202	0.237	0.249	0.252	0.217	15.31
73) TP	Chlorobenzene	0.949	1.038	1.230	1.111	0.969	1.070	1.235	1.246	1.251	1.122	10.89
74) TC	Ethylbenzene		1.657	2.150	1.937	1.583	1.701	2.048	2.038	2.033	1.893	11.32
75) TP	1,1,1,2-Tetrachloroethane	0.264	0.299	0.371	0.329	0.310	0.364	0.432	0.448	0.451	0.363	18.90
76) TP	p/m Xylene	0.609	0.669	0.858	0.779	0.620	0.668	0.771	0.753	0.738	0.718	11.48
77) TP	o Xylene	0.637	0.655	0.795	0.735	0.606	0.645	0.723	0.708	0.702	0.690	8.56
78) TP	Styrene	1.047	1.027	1.258	1.162	0.971	1.048	1.137	1.104	1.091	1.094	7.75
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------										
80) TP	Bromoform		0.282	0.335	0.327	0.330	0.391	0.449	0.473	0.486	*Q	0.9986
82) TP	Isopropylbenzene		2.571	3.346	3.084	2.513	2.826	3.608	3.677	3.729	3.169	15.59
83) S	4-Bromofluorobenzene	0.838	0.840	0.855	0.861	0.863	0.876	0.874	0.884	0.881	0.864	1.94
84) TP	Bromobenzene		0.731	0.841	0.767	0.721	0.825	0.950	0.970	0.984	0.848	12.65
85) TP	n-Propylbenzene		3.275	4.179	3.811	3.120	3.476	4.397	4.431	4.466	3.894	14.11

Initial Calibration Summary
Form 6
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA104	**Ical Ref**	: ICAL19666
Calibration dates	: 01/18/23 11:44 01/18/23 16:30		

Calibration Files

0.5 =V04230118A03.D 1.0 =V04230118A06.D 2.0 =V04230118A07.D 4.0 =V04230118A09.D 20 =V04230118A10.D
40 =V04230118A11.D 100 =V04230118A12.D 200 =V04230118A13.D 300 =V04230118A14.D

	Compound	0.5	1.0	2.0	4.0	20	40	100	200	300	Avg	%RSD
86) TP	1,4-Dichlorobu		0.918	0.963	0.901	0.862	0.976	1.078	1.110	1.113	0.990	9.94
87) TP	1,1,2,2-Tetrachloroethane	0.538	0.589	0.620	0.595	0.557	0.640	0.701	0.726	0.748	0.635	11.80
88) TP	4-Ethyltoluene		2.699	3.368	3.045	2.641	2.921	3.617	3.624	3.664	3.197	13.28
89) TP	2-Chlorotoluene		2.128	2.515	2.256	1.928	2.122	2.482	2.485	2.517	2.304	9.87
90) TP	1,3,5-Trimethy		2.371	2.912	2.548	2.189	2.450	3.051	3.076	3.102	2.712	13.40
91) TP	1,2,3-Trichlor		0.436	0.480	0.425	0.395	0.442	0.501	0.515	0.523	0.465	10.06
92) TP	trans-1,4-Dich			0.166	0.162	0.174	0.200	0.207	0.224	0.232	0.195	14.31
93) TP	4-Chlorotoluene		2.171	2.405	2.170	2.038	2.212	2.593	2.619	2.663	2.359	10.29
94) TP	tert-Butylbenzene		1.995	2.550	2.277	1.843	2.076	2.675	2.747	2.783	2.368	15.56
97) TP	1,2,4-Trimethy		2.271	2.740	2.495	2.225	2.486	3.039	3.082	3.114	2.681	13.59
98) TP	sec-Butylbenzene		2.995	3.929	3.566	2.772	3.073	4.078	4.142	4.168	3.591	15.90
99) TP	p-Isopropyltol		2.508	3.241	2.931	2.461	2.700	3.547	3.586	3.605	3.072	15.81
100) TP	1,3-Dichlorobe		1.462	1.705	1.510	1.418	1.563	1.813	1.828	1.840	1.642	10.63
101) TP	1,4-Dichlorobe		1.646	1.795	1.644	1.444	1.556	1.818	1.839	1.856	1.700	8.87
102) TP	p-Diethylbenzene		1.510	1.956	1.746	1.506	1.650	2.180	2.215	2.244	1.876	16.71
103) TP	n-Butylbenzene		2.256	2.836	2.654	2.192	2.405	3.210	3.234	3.247	2.754	16.14
104) TP	1,2-Dichlorobe		1.366	1.568	1.441	1.329	1.464	1.679	1.701	1.715	1.533	10.07
105) TP	1,2,4,5-Tetram		2.464	2.894	2.618	2.446	2.728	3.408	3.401	3.418	2.922	14.63
106) TP	1,2-Dibromo-3-		0.086	0.094	0.100	0.093	0.106	0.128	0.134	0.138	0.110	18.57
107) TP	1,3,5-Trichlor		1.091	1.305	1.161	1.091	1.188	1.481	1.463	1.473	1.282	13.38
108) TP	Hexachlorobuta		0.563	0.699	0.612	0.486	0.543	0.773	0.778	0.793	0.656	18.36
109) TP	1,2,4-Trichlor		1.011	1.080	0.997	0.955	1.055	1.266	1.242	1.237	1.105	11.24
110) TP	Naphthalene		2.007	1.992	1.893	1.755	1.988	2.326	2.375	2.408	2.093	11.65
111) TP	1,2,3-Trichlor		0.906	0.993	0.882	0.836	0.927	1.095	1.103	1.100	0.980	11.02

Initial Calibration Summary
Form 6
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA122	**Ical Ref**	: ICAL19808
Calibration dates	: 03/13/23 13:58 03/13/23 17:42		

Calibration Files

L11 =V22230313A03.D L1 =V22230313A05.D L2 =V22230313A07.D L3 =V22230313A08.D L4 =V22230313A09.D

L6 =V22230313A10.D L8 =V22230313A11.D L10 =V22230313A12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.149	0.161	0.138	0.137	0.117	0.124	0.124	0.136	11.44
3)	TP	Chloromethane		0.188	0.208	0.170	0.162	0.145	0.146	0.146	0.167	14.46
4)	TC	Vinyl chloride	0.170	0.206	0.225	0.193	0.186	0.165	0.168	0.166	0.185	11.88
5)	TP	Bromomethane		0.137	0.116	0.096	0.095	0.095	0.102	0.108	0.107	14.58
6)	TP	Chloroethane		0.152	0.154	0.129	0.122	0.109	0.111	0.110	0.127	15.25
7)	TP	Trichlorofluor		0.229	0.250	0.221	0.219	0.198	0.201	0.203	0.217	8.47
8)	TP	Ethyl ether		0.055	0.057	0.055	0.053	0.051	0.050	0.053	0.053	4.37
10)	TC	1,1-Dichloroet		0.136	0.158	0.135	0.128	0.118	0.119	0.121	0.131	10.76
11)	TP	Carbon disulfide		0.419	0.477	0.404	0.386	0.351	0.362	0.368	0.395	10.90
12)	TP	Freon-113		0.139	0.162	0.141	0.140	0.124	0.130	0.133	0.138	8.75
13)	TP	Iodomethane			0.089	0.109	0.140	0.148	0.152	0.155	*L	0.9986
14)	TP	Acrolein			0.016	0.015	0.014	0.014	0.013	0.014	0.015	7.46
15)	TP	Methylene chlo		0.169	0.177	0.153	0.144	0.132	0.131	0.134	0.148	12.50
17)	TP	Acetone			0.045	0.031	0.026	0.023	0.023	0.024	*L	0.9989
18)	TP	trans-1,2-Dich		0.160	0.176	0.150	0.145	0.131	0.132	0.134	0.147	11.40
19)	TP	Methyl acetate			0.075	0.061	0.056	0.054	0.052	0.055	0.059	14.38
21)	TP	Methyl tert butyl ether		0.214	0.238	0.244	0.244	0.246	0.241	0.253	0.240	5.17
22)	TP	tert-Butyl alc		0.007	0.008	0.008	0.008	0.007	0.007	0.008	0.008#	5.92
24)	TP	Diisopropyl ether		0.351	0.374	0.366	0.377	0.386	0.384	0.402	0.377	4.27
25)	TP	1,1-Dichloroet		0.301	0.332	0.284	0.267	0.246	0.244	0.249	0.274#	12.03
26)	TP	Halothane		0.099	0.118	0.111	0.110	0.102	0.104	0.107	0.107	6.22
27)	TP	Acrylonitrile		0.035	0.033	0.032	0.030	0.028	0.028	0.029	0.031	9.26
28)	TP	Ethyl tert-but		0.301	0.326	0.329	0.343	0.359	0.357	0.378	0.342	7.48
29)	TP	Vinyl acetate		0.226	0.214	0.208	0.214	0.233	0.232	0.253	0.226	6.89
30)	TP	cis-1,2-Dichlo		0.170	0.190	0.165	0.155	0.142	0.142	0.144	0.158#	11.20
31)	TP	2,2-Dichloropr		0.230	0.251	0.218	0.207	0.186	0.186	0.188	0.210	12.02
32)	TP	Bromochloromet		0.078	0.085	0.077	0.072	0.066	0.065	0.067	0.073#	10.28
33)	TP	Cyclohexane		0.259	0.299	0.280	0.284	0.254	0.263	0.269	0.272	5.84
34)	TC	Chloroform		0.289	0.317	0.260	0.245	0.226	0.226	0.232	0.256	13.60
35)	TP	Ethyl acetate			0.072	0.075	0.077	0.079	0.076	0.081	0.077	3.99
36)	TP	Carbon tetrachloride	0.143	0.164	0.202	0.191	0.192	0.180	0.185	0.191	0.181	10.43
37)	TP	Tetrahydrofuran			0.031	0.027	0.022	0.021	0.021	0.022	0.024	17.02
38)	S	Dibromofluoromethane	0.336	0.349	0.330	0.307	0.288	0.277	0.275	0.276	0.305	9.95
39)	TP	1,1,1-Trichlor		0.210	0.250	0.223	0.223	0.202	0.202	0.207	0.217	7.82
41)	TP	2-Butanone			0.044	0.034	0.033	0.034	0.033	0.034	0.035	12.15

Initial Calibration Summary
Form 6
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA122	**Ical Ref**	: ICAL19808
Calibration dates	: 03/13/23 13:58 03/13/23 17:42		

Calibration Files

L11 =V22230313A03.D L1 =V22230313A05.D L2 =V22230313A07.D L3 =V22230313A08.D L4 =V22230313A09.D

L6 =V22230313A10.D L8 =V22230313A11.D L10 =V22230313A12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
42) TP	1,1-Dichloropr		0.151	0.185	0.182	0.206	0.191	0.195	0.198	0.187	9.58
44) TP	Benzene	0.484	0.491	0.539	0.539	0.536	0.512	0.510	0.518	0.516	4.13
45) TP	Tertiary-Amyl Methyl Ether		0.262	0.275	0.273	0.284	0.288	0.286	0.306	0.282	4.91
46) S	1,2-Dichloroethane-d4	0.326	0.338	0.327	0.305	0.284	0.284	0.281	0.289	0.304	7.57
47) T	1,2-Dichloroet		0.186	0.195	0.176	0.167	0.157	0.153	0.159	0.170	9.22
50) TP	Methyl cyclohe		0.237	0.257	0.236	0.249	0.236	0.246	0.259	0.246	4.03
51) TP	Trichloroethene	0.172	0.164	0.163	0.150	0.154	0.147	0.148	0.155	0.157#	5.73
53) TP	Dibromomethane		0.078	0.087	0.081	0.077	0.072	0.072	0.075	0.077	6.84
54) TC	1,2-Dichloropr		0.117	0.145	0.145	0.146	0.139	0.139	0.143	0.139	7.30
56) TP	2-Chloroethyl		0.047	0.051	0.054	0.056	0.056	0.055	0.058	0.054	6.88
57) TP	Bromodichlorom		0.171	0.192	0.186	0.188	0.180	0.178	0.184	0.183#	3.75
60) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	4.89
61) TP	cis-1,3-Dichlo		0.179	0.199	0.209	0.218	0.213	0.211	0.219	0.207#	6.78
62) I	Chlorobenzene-d5	----------ISTD----------									
63) S	Toluene-d8	1.279	1.285	1.291	1.336	1.338	1.335	1.317	1.302	1.310	1.87
64) TC	Toluene		0.392	0.462	0.443	0.449	0.433	0.429	0.439	0.435	5.07
65) TP	4-Methyl-2-pen			0.024	0.026	0.026	0.026	0.025	0.025	0.025#	3.59
66) TP	Tetrachloroethene		0.154	0.174	0.166	0.174	0.167	0.169	0.179	0.169	4.83
68) TP	trans-1,3-Dich		0.205	0.228	0.247	0.268	0.268	0.260	0.268	0.249#	9.88
70) TP	Ethyl methacry		0.144	0.149	0.149	0.149	0.141	0.134	0.140	0.144	3.82
71) TP	1,1,2-Trichlor		0.084	0.092	0.101	0.111	0.110	0.107	0.111	0.102#	10.27
72) TP	Chlorodibromom		0.107	0.126	0.146	0.163	0.165	0.163	0.169	0.148#	15.98
73) TP	1,3-Dichloropr		0.183	0.206	0.219	0.232	0.229	0.222	0.227	0.217	8.00
74) TP	1,2-Dibromoethane		0.095	0.113	0.121	0.131	0.131	0.127	0.130	0.121#	11.08
76) TP	2-Hexanone		0.102	0.074	0.072	0.069	0.064	0.060	0.061	0.072	19.95
77) TP	Chlorobenzene		0.455	0.535	0.498	0.501	0.484	0.477	0.489	0.491	5.05
78) TC	Ethylbenzene		0.837	0.956	0.873	0.870	0.831	0.818	0.825	0.858	5.59
79) TP	1,1,1,2-Tetrac		0.111	0.145	0.153	0.168	0.171	0.171	0.179	0.157	14.83
80) TP	p/m Xylene		0.313	0.376	0.348	0.347	0.330	0.324	0.330	0.338	6.08
81) TP	o Xylene		0.299	0.351	0.334	0.334	0.320	0.315	0.322	0.325	5.08
82) TP	Styrene		0.499	0.564	0.554	0.562	0.539	0.528	0.527	0.539	4.33
83) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
84) TP	Bromoform		0.101	0.134	0.151	0.177	0.188	0.192		*L	0.9980
86) TP	Isopropylbenzene		1.714	1.918	1.770	1.785	1.667	1.646	1.632	1.733	5.80
87) S	4-Bromofluorobenzene	0.967	0.972	0.955	0.967	0.932	0.904	0.898	0.871	0.933	4.08
88) TP	Bromobenzene		0.352	0.428	0.397	0.398	0.373	0.370	0.380	0.386	6.41

Initial Calibration Summary
Form 6
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA122	**Ical Ref**	: ICAL19808
Calibration dates	: 03/13/23 13:58 03/13/23 17:42		

Calibration Files
L11 =V22230313A03.D L1 =V22230313A05.D L2 =V22230313A07.D L3 =V22230313A08.D L4 =V22230313A09.D
L6 =V22230313A10.D L8 =V22230313A11.D L10 =V22230313A12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
89)	TP	n-Propylbenzene		1.933	2.281	2.136	2.152	2.011	1.969	1.911	2.056	6.65
90)	TP	1,4-Dichlorobu		0.376	0.392	0.387	0.403	0.394	0.385	0.402	0.391	2.42
91)	TP	1,1,2,2-Tetrac		0.246	0.252	0.262	0.270	0.264	0.260	0.272	0.261	3.52
92)	TP	4-Ethyltoluene		1.496	1.833	1.704	1.735	1.619	1.602	1.562	1.650	6.93
93)	TP	2-Chlorotoluene		1.163	1.270	1.191	1.196	1.113	1.101	1.109	1.163	5.28
94)	TP	1,3,5-Trimethy		1.196	1.371	1.297	1.358	1.348	1.362	1.377	1.330	4.85
95)	TP	1,2,3-Trichlor		0.221	0.208	0.216	0.220	0.219	0.219	0.234	0.220	3.41
96)	TP	trans-1,4-Dich		0.064	0.068	0.076	0.085	0.079	0.077	0.080	0.076	9.37
97)	TP	4-Chlorotoluene		1.177	1.342	1.264	1.268	1.182	1.165	1.162	1.223	5.66
98)	TP	tert-Butylbenzene		1.345	1.621	1.508	1.510	1.414	1.390	1.399	1.455	6.56
101)	TP	1,2,4-Trimethy		1.160	1.325	1.264	1.300	1.307	1.326	1.340	1.289	4.81
102)	TP	sec-Butylbenzene		1.578	1.946	1.836	1.847	1.728	1.710	1.669	1.759	7.07
103)	TP	p-Isopropyltol		1.293	1.552	1.490	1.522	1.464	1.467	1.459	1.464	5.66
104)	TP	1,3-Dichlorobe		0.725	0.815	0.789	0.799	0.748	0.748	0.760	0.769	4.23
105)	TP	1,4-Dichlorobe		0.753	0.815	0.772	0.785	0.735	0.735	0.747	0.763	3.81
106)	TP	p-Diethylbenzene		0.749	0.863	0.833	0.860	0.848	0.862	0.891	0.844	5.36
107)	TP	n-Butylbenzene		1.084	1.304	1.224	1.272	1.234	1.241	1.251	1.230	5.66
108)	TP	1,2-Dichlorobe		0.648	0.711	0.690	0.695	0.658	0.657	0.667	0.675	3.51
109)	TP	1,2,4,5-Tetram		1.027	1.143	1.097	1.098	1.058	1.071	1.132	1.089	3.75
110)	TP	1,2-Dibromo-3-		0.021	0.036	0.042	0.043	0.041	0.041	0.043	*L	0.9994
111)	TP	1,3,5-Trichlor		0.391	0.455	0.428	0.426	0.405	0.416	0.448	0.424	5.31
112)	TP	Hexachlorobuta		0.133	0.156	0.154	0.157	0.149	0.152	0.161	0.152	6.13
113)	TP	1,2,4-Trichlor		0.372	0.402	0.377	0.372	0.351	0.349	0.374	0.371#	4.76
114)	TP	Naphthalene		0.893	0.915	0.896	0.872	0.808	0.788	0.825	0.857	5.77
115)	TP	1,2,3-Trichlor		0.327	0.353	0.333	0.325	0.302	0.301	0.319	0.323#	5.60

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,		Lab Number	: L2313422	
Project Name	: BRIDGE CLEANERS		Project Number	: BRIDGE CLEANERS	
Instrument ID	: VOA104		Calibration Date	: 03/17/23 15:15	
Lab File ID	: V04230317N01		Init. Calib. Date(s)	: 01/18/23	01/18/23
Sample No	: WG1756211-2		Init. Calib. Times	: 11:44	16:30
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	107	0
Dichlorodifluoromethane	0.449	0.44	-	2	20	131	0
Chloromethane	0.829	0.558	-	32.7*	20	85	0
Vinyl chloride	0.578	0.49	-	15.2	20	109	0
Bromomethane	40	46.114	-	-15.3	20	134	0
Chloroethane	40	47.716	-	-19.3	20	133	0
Trichlorofluoromethane	0.616	0.685	-	-11.2	20	146	0
Ethyl ether	0.133	0.122	-	8.3	20	106	0
1,1-Dichloroethene	0.391	0.369	-	5.6	20	121	0
Carbon disulfide	0.828	1.303	-	-57.4*	20	192	0
Freon-113	0.396	0.413	-	-4.3	20	141	0
Acrolein	0.044	0.036	-	18.2	20	99	0
Methylene chloride	0.437	0.405	-	7.3	20	103	0
Acetone	0.084	0.067	-	20.2*	20	93	0
trans-1,2-Dichloroethene	0.404	0.379	-	6.2	20	111	0
Methyl acetate	0.168	0.124	-	26.2*	20	83	0
Methyl tert-butyl ether	0.613	0.606	-	1.1	20	108	0
tert-Butyl alcohol	0.029	0.026	-	10.3	20	100	0
Diisopropyl ether	1.266	0.961	-	24.1*	20	82	0
1,1-Dichloroethane	0.885	0.745	-	15.8	20	102	0
Halothane	0.304	0.298	-	2	20	124	0
Acrylonitrile	0.089	0.069	-	22.5*	20	85	0
Ethyl tert-butyl ether	1.005	0.895	-	10.9	20	96	0
Vinyl acetate	0.603	0.529	-	12.3	20	96	0
cis-1,2-Dichloroethene	0.442	0.389	-	12	20	100	0
2,2-Dichloropropane	0.599	0.625	-	-4.3	20	133	0
Bromochloromethane	0.197	0.19	-	3.6	20	110	0
Cyclohexane	0.83	0.699	-	15.8	20	114	0
Chloroform	0.715	0.649	-	9.2	20	108	0
Ethyl acetate	0.243	0.183	-	24.7*	20	85	0
Carbon tetrachloride	0.502	0.534	-	-6.4	20	139	0
Tetrahydrofuran	0.091	0.07	-	23.1*	20	88	0
Dibromofluoromethane	0.345	0.301	-	12.8	20	101	0
1,1,1-Trichloroethane	0.562	0.582	-	-3.6	20	129	0
2-Butanone	40	32.695	-	18.3	20	99	0
1,1-Dichloropropene	40	40.43	-	-1.1	20	125	0
Benzene	1.332	1.249	-	6.2	20	106	0
tert-Amyl methyl ether	0.708	0.643	-	9.2	20	103	0
1,2-Dichloroethane-d4	0.275	0.26	-	5.5	20	113	0
1,2-Dichloroethane	0.475	0.429	-	9.7	20	106	0
Methyl cyclohexane	40	39.538	-	1.2	20	133	0
Trichloroethene	0.355	0.371	-	-4.5	20	120	0
Dibromomethane	0.207	0.194	-	6.3	20	108	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,		Lab Number	: L2313422	
Project Name	: BRIDGE CLEANERS		Project Number	: BRIDGE CLEANERS	
Instrument ID	: VOA104		Calibration Date	: 03/17/23 15:15	
Lab File ID	: V04230317N01		Init. Calib. Date(s)	: 01/18/23	01/18/23
Sample No	: WG1756211-2		Init. Calib. Times	: 11:44	16:30
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.415	0.349	-	15.9	20	93	0
2-Chloroethyl vinyl ether	0.181	0.143	-	21*	20	94	0
Bromodichloromethane	0.495	0.468	-	5.5	20	107	0
1,4-Dioxane	0.00276	0.00274*	-	0.7	20	97	0
cis-1,3-Dichloropropene	0.509	0.512	-	-0.6	20	103	0
Chlorobenzene-d5	1	1	-	0	20	100	0
Toluene-d8	1.204	1.254	-	-4.2	20	102	0
Toluene	0.948	0.993	-	-4.7	20	112	0
4-Methyl-2-pentanone	0.108	0.093	-	13.9	20	90	0
Tetrachloroethene	40	44.878	-	-12.2	20	133	0
trans-1,3-Dichloropropene	40	40.538	-	-1.3	20	108	0
Ethyl methacrylate	0.325	0.336	-	-3.4	20	103	0
1,1,2-Trichloroethane	40	38.483	-	3.8	20	101	0
Chlorodibromomethane	0.369	0.409	-	-10.8	20	111	0
1,3-Dichloropropane	0.479	0.492	-	-2.7	20	102	0
1,2-Dibromoethane	40	40.373	-	-0.9	20	106	0
2-Hexanone	0.217	0.184	-	15.2	20	91	0
Chlorobenzene	1.122	1.215	-	-8.3	20	113	0
Ethylbenzene	1.893	2.053	-	-8.5	20	120	0
1,1,1,2-Tetrachloroethane	0.363	0.415	-	-14.3	20	114	0
p/m Xylene	0.718	0.808	-	-12.5	20	121	0
o Xylene	0.69	0.779	-	-12.9	20	120	0
Styrene	1.094	1.285	-	-17.5	20	122	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
Bromoform	40	41.524	-	-3.8	20	115	0
Isopropylbenzene	3.169	3.5	-	-10.4	20	131	0
4-Bromofluorobenzene	0.864	0.831	-	3.8	20	100	0
Bromobenzene	0.848	0.917	-	-8.1	20	118	0
n-Propylbenzene	3.894	4.203	-	-7.9	20	128	0
1,4-Dichlorobutane	0.99	0.877	-	11.4	20	95	0
1,1,2,2-Tetrachloroethane	0.635	0.641	-	-0.9	20	106	0
4-Ethyltoluene	3.197	3.541	-	-10.8	20	128	0
2-Chlorotoluene	2.304	2.482	-	-7.7	20	124	0
1,3,5-Trimethylbenzene	2.712	2.96	-	-9.1	20	128	0
1,2,3-Trichloropropane	0.465	0.472	-	-1.5	20	113	0
trans-1,4-Dichloro-2-buten	0.195	0.196	-	-0.5	20	103	0
4-Chlorotoluene	2.359	2.546	-	-7.9	20	122	0
tert-Butylbenzene	2.368	2.631	-	-11.1	20	134	0
1,2,4-Trimethylbenzene	2.681	2.934	-	-9.4	20	125	0
sec-Butylbenzene	3.591	3.979	-	-10.8	20	137	0
p-Isopropyltoluene	3.072	3.517	-	-14.5	20	138	0
1,3-Dichlorobenzene	1.642	1.836	-	-11.8	20	124	0
1,4-Dichlorobenzene	1.7	1.852	-	-8.9	20	126	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,		Lab Number	: L2313422	
Project Name	: BRIDGE CLEANERS		Project Number	: BRIDGE CLEANERS	
Instrument ID	: VOA104		Calibration Date	: 03/17/23 15:15	
Lab File ID	: V04230317N01		Init. Calib. Date(s)	: 01/18/23	01/18/23
Sample No	: WG1756211-2		Init. Calib. Times	: 11:44	16:30
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.876	2.126	-	-13.3	20	136	0
n-Butylbenzene	2.754	3.1	-	-12.6	20	136	0
1,2-Dichlorobenzene	1.533	1.693	-	-10.4	20	122	0
1,2,4,5-Tetramethylbenzene	2.922	3.344	-	-14.4	20	130	0
1,2-Dibromo-3-chloropropan	0.11	0.114	-	-3.6	20	114	0
1,3,5-Trichlorobenzene	1.282	1.528	-	-19.2	20	136	0
Hexachlorobutadiene	0.656	0.822	-	-25.3*	20	160	0
1,2,4-Trichlorobenzene	1.105	1.301	-	-17.7	20	130	0
Naphthalene	2.093	2.126	-	-1.6	20	113	0
1,2,3-Trichlorobenzene	0.98	1.109	-	-13.2	20	127	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,		Lab Number	: L2313422	
Project Name	: BRIDGE CLEANERS		Project Number	: BRIDGE CLEANERS	
Instrument ID	: VOA122		Calibration Date	: 03/17/23 18:55	
Lab File ID	: V22230317N01		Init. Calib. Date(s)	: 03/13/23	03/13/23
Sample No	: WG1756621-2		Init. Calib. Times	: 13:58	17:42
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	90	0
Dichlorodifluoromethane	0.136	0.135	-	0.7	20	88	0
Chloromethane	0.167	0.157	-	6	20	83	0
Vinyl chloride	0.185	0.195	-	-5.4	20	91	0
Bromomethane	0.107	0.079	-	26.2*	20	74	0
Chloroethane	0.127	0.127	-	0	20	88	0
Trichlorofluoromethane	0.217	0.223	-	-2.8	20	91	0
Ethyl ether	0.053	0.052	-	1.9	20	86	0
1,1-Dichloroethene	0.131	0.131	-	0	20	87	0
Carbon disulfide	0.395	0.344	-	12.9	20	77	0
Freon-113	0.138	0.146	-	-5.8	20	94	0
Acrolein	0.015	0.013	-	13.3	20	78	0
Methylene chloride	0.148	0.147	-	0.7	20	87	0
Acetone	10	9.612	-	3.9	20	80	0
trans-1,2-Dichloroethene	0.147	0.142	-	3.4	20	85	0
Methyl acetate	0.059	0.054	-	8.5	20	80	0
Methyl tert-butyl ether	0.24	0.226	-	5.8	20	83	0
tert-Butyl alcohol	0.00761	0.0069*	-	9.3	20	75	0
Diisopropyl ether	0.377	0.337	-	10.6	20	83	0
1,1-Dichloroethane	0.274	0.269*	-	1.8	20	85	0
Halothane	0.107	0.103	-	3.7	20	84	0
Acrylonitrile	0.031	0.029	-	6.5	20	82	0
Ethyl tert-butyl ether	0.342	0.303	-	11.4	20	83	0
Vinyl acetate	0.226	0.187	-	17.3	20	81	0
cis-1,2-Dichloroethene	0.158	0.16*	-	-1.3	20	88	0
2,2-Dichloropropane	0.21	0.212	-	-1	20	87	0
Bromochloromethane	0.073	0.072*	-	1.4	20	85	0
Cyclohexane	0.272	0.268	-	1.5	20	86	0
Chloroform	0.256	0.245	-	4.3	20	85	0
Ethyl acetate	0.077	0.072	-	6.5	20	86	0
Carbon tetrachloride	0.181	0.181	-	0	20	86	0
Tetrahydrofuran	0.024	0.023	-	4.2	20	77	0
Dibromofluoromethane	0.305	0.303	-	0.7	20	89	0
1,1,1-Trichloroethane	0.217	0.217	-	0	20	88	0
2-Butanone	0.035	0.03	-	14.3	20	82	0
1,1-Dichloropropene	0.187	0.176	-	5.9	20	87	0
Benzene	0.516	0.506	-	1.9	20	85	0
tert-Amyl methyl ether	0.282	0.258	-	8.5	20	85	0
1,2-Dichloroethane-d4	0.304	0.29	-	4.6	20	86	0
1,2-Dichloroethane	0.17	0.163	-	4.1	20	83	0
Methyl cyclohexane	0.246	0.235	-	4.5	20	90	0
Trichloroethene	0.157	0.147*	-	6.4	20	88	0
Dibromomethane	0.077	0.076	-	1.3	20	85	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,		Lab Number	: L2313422	
Project Name	: BRIDGE CLEANERS		Project Number	: BRIDGE CLEANERS	
Instrument ID	: VOA122		Calibration Date	: 03/17/23 18:55	
Lab File ID	: V22230317N01		Init. Calib. Date(s)	: 03/13/23	03/13/23
Sample No	: WG1756621-2		Init. Calib. Times	: 13:58	17:42
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.139	0.137	-	1.4	20	85	0
Bromodichloromethane	0.183	0.166*	-	9.3	20	81	0
1,4-Dioxane	0.00092	0.00084*	-	8.7	20	79	0
cis-1,3-Dichloropropene	0.207	0.191*	-	7.7	20	83	0
Chlorobenzene-d5	1	1	-	0	20	90	0
Toluene-d8	1.31	1.321	-	-0.8	20	89	0
Toluene	0.435	0.428	-	1.6	20	87	0
4-Methyl-2-pentanone	0.025	0.022*	-	12	20	76	0
Tetrachloroethene	0.169	0.173	-	-2.4	20	93	0
trans-1,3-Dichloropropene	0.249	0.226*	-	9.2	20	82	0
Ethyl methacrylate	0.144	0.127	-	11.8	20	76	0
1,1,2-Trichloroethane	0.102	0.099*	-	2.9	20	87	0
Chlorodibromomethane	0.148	0.127*	-	14.2	20	78	0
1,3-Dichloropropane	0.217	0.207	-	4.6	20	85	0
1,2-Dibromoethane	0.121	0.118*	-	2.5	20	88	0
2-Hexanone	0.072	0.057	-	20.8*	20	71	0
Chlorobenzene	0.491	0.484	-	1.4	20	87	0
Ethylbenzene	0.858	0.828	-	3.5	20	85	0
1,1,1,2-Tetrachloroethane	0.157	0.14	-	10.8	20	82	0
p/m Xylene	0.338	0.334	-	1.2	20	86	0
o Xylene	0.325	0.316	-	2.8	20	85	0
Styrene	0.539	0.512	-	5	20	83	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	89	0
Bromoform	10	6.853	-	31.5*	20	72	0
Isopropylbenzene	1.733	1.716	-	1	20	86	0
4-Bromofluorobenzene	0.933	0.92	-	1.4	20	85	0
Bromobenzene	0.386	0.375	-	2.8	20	84	0
n-Propylbenzene	2.056	2.053	-	0.1	20	86	0
1,4-Dichlorobutane	0.391	0.347	-	11.3	20	80	0
1,1,2,2-Tetrachloroethane	0.261	0.235	-	10	20	80	0
4-Ethyltoluene	1.65	1.645	-	0.3	20	86	0
2-Chlorotoluene	1.163	1.129	-	2.9	20	84	0
1,3,5-Trimethylbenzene	1.33	1.213	-	8.8	20	83	0
1,2,3-Trichloropropane	0.22	0.191	-	13.2	20	79	0
trans-1,4-Dichloro-2-buten	0.076	0.057	-	25*	20	67	0
4-Chlorotoluene	1.223	1.191	-	2.6	20	84	0
tert-Butylbenzene	1.455	1.472	-	-1.2	20	87	0
1,2,4-Trimethylbenzene	1.289	1.173	-	9	20	83	0
sec-Butylbenzene	1.759	1.777	-	-1	20	86	0
p-Isopropyltoluene	1.464	1.429	-	2.4	20	85	0
1,3-Dichlorobenzene	0.769	0.743	-	3.4	20	84	0
1,4-Dichlorobenzene	0.763	0.739	-	3.1	20	85	0
p-Diethylbenzene	0.844	0.792	-	6.2	20	85	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,		Lab Number	: L2313422	
Project Name	: BRIDGE CLEANERS		Project Number	: BRIDGE CLEANERS	
Instrument ID	: VOA122		Calibration Date	: 03/17/23 18:55	
Lab File ID	: V22230317N01		Init. Calib. Date(s)	: 03/13/23	03/13/23
Sample No	: WG1756621-2		Init. Calib. Times	: 13:58	17:42
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.23	1.177	-	4.3	20	86	0
1,2-Dichlorobenzene	0.675	0.641	-	5	20	83	0
1,2,4,5-Tetramethylbenzene	1.089	1.01	-	7.3	20	82	0
1,2-Dibromo-3-chloropropan	10	8.119	-	18.8	20	70	0
1,3,5-Trichlorobenzene	0.424	0.393	-	7.3	20	82	0
Hexachlorobutadiene	0.152	0.149	-	2	20	86	0
1,2,4-Trichlorobenzene	0.371	0.352*	-	5.1	20	83	0
Naphthalene	0.857	0.82	-	4.3	20	82	0
1,2,3-Trichlorobenzene	0.323	0.31*	-	4	20	83	0

* Value outside of QC limits.

Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high andassociated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

Nick Carlo

From: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Sent: Thursday, June 8, 2023 3:36 PM
To: Nick Carlo
Cc: Curley, Ruth E (DEC); alnesheiwat@sustainable-development-inc.com; Nicholas Krasnecky
Subject: RE: Bridge Cleaners - 241127 - EDD Submittal

Nick,

Thank you for your EDD submission. NYSDEC has successfully uploaded the data from the EDD "20230525 1512.241127.NYSDEC_MERGE" to Bridge Cleaners in the NYSDEC EQuIS database and the data is available for use within the system.

Aaron
NYSDEC EIMS Team

NEW YORK STATE | Department of Environmental Conservation

From: Nick Carlo <ncarlo@ecchorizon.com>
Sent: Thursday, May 25, 2023 3:50 PM
To: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Cc: Curley, Ruth E (DEC) <ruth.curley@dec.ny.gov>; alnesheiwat@sustainable-development-inc.com; Nicholas Krasnecky <nicholas.krasnecky@terraphase.com>
Subject: Bridge Cleaners - 241127 - EDD Submittal

Some people who received this message don't often get email from ncarlo@ecchorizon.com. Learn why this is important

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

Good afternoon

Please find the attached EDD package for the 2023 Post-excavation Documentation soil samples collected at the Bridge Cleaners site (241127).

Please let me know if you have any questions.

Regards,

Nick Carlo
Project Manager

ECC HORIZON
NJ/NY METRO REGIONAL OFFICE
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Randolph, NJ 07869
T: 973.989.8010 ext 148 C: 973.897.6898
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Pacific Northwest - 206.518.6120 • NJ Coastal -732.240.7550

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Appendix O

Analytical Data Reports – Post-Excavation Documentation Sampling

www.alphalab.com



Alpha Analytical

Laboratory Code: 11148

SDG Number: L2305912

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

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Project Name: BRIDGE CLEANERS
Project Number: BRIDGE CLEANERS

Lab Number: L2305912
Report Date: 02/09/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2305912-01	PX-NE	SOIL	QUEENS, NY	02/02/23 09:40	02/02/23
L2305912-02	FIELD BLANK	WATER	QUEENS, NY	02/02/23 09:50	02/02/23
L2305912-03	TRIP BLANK	WATER	QUEENS, NY	02/02/23 00:00	02/02/23

Case Narrative

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

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

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

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

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

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

Case Narrative (continued)

Report Submission

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

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: Kelly Stenstrom Report Date: 02/09/23

Title: Technical Director/Representative

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: 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).

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

Volatile Organics Instruments

Volatile Organics:

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

Volatile Organics: VPH

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

Volatile Organics: PIANO

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

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD

	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

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

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

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

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

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

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

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

Pesticides/PCB/Herbicides:

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

Petroleum/EPH:

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

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

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

Semivolatile Organics (8270):

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

Semivolatile Organics (8270 SIM):

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

Semivolatile Organics (1,4-Dioxane):

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

Semivolatile Organics (209 Congener):

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

Semivolatile Organics (8081):

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

Semivolatile Organics (8082):

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

Semivolatile Organics (SHC Extractables):

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

Sample Delivery Group Summary

Alpha Job Number : L2305912

Account Name : Environmental Compliance & Control,
Project Number : BRIDGE CLEANERS
Project Name : BRIDGE CLEANERS

Received : 02-FEB-2023
Reviewer : Sarah Hayward-Savage

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	3.1	

Condition Information

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

Volatile Organics/VPH

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

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 09 2023, 12:17 pm

Login Number: L2305912
Account: ECCHORIZON Environmental Compliance & Control, Inc.Project: BRIDGE CLEANERS
Received: 02FEB23 Due Date: 09FEB23

Sample #	Client ID	Mat	PR	Collected
L2305912-01	PX-NE	3	S0	02FEB23 09:40
| ASP-B Package Due Date: 02/09/23				
ASP-B,E&I-FEE,NYTCL-8260HLW,TS				
L2305912-02	FIELD BLANK	1	S0	02FEB23 09:50
| Package Due Date: 02/09/23				
NYTCL-8260				
L2305912-03	TRIP BLANK	1	S0	02FEB23 00:00
| Package Due Date: 02/09/23				
NYTCL-8260				

Logged By: Ashaley Kane

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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: 2/2/23

ALPHA Job #: L2305912

Client Information

Client: ECC Horizon
Address: One Froehy Ave Unit 2 Randolph NJ
Phone: Cell 201-552-0224
Fax:
Email:

Project Information

Project Name: Bridge Cleaners
Project Location: Queens NY
Project #: Bridge Cleaners
(Use Project name as Project #) ☒
Project Manager: Nick Krasnecky
ALPHAQuote #: ~~Q17179~~ (MGH)

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

Regulatory Requirement

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

Billing Information

☒ Same as Client Info
PO # Bridge Cleaners

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	EPA 8260D/5035 Hold Cat	EPA 8260D	Total Solids						Total Bottle
05912 -01	PX-NE	2-2-2023	940	Soil	MGH	✓		✓						
-02	Field Blank	2-2-2023	950	H_2O	MGH		✓							
-03	Trip Blank	2-1-2023	—	H_2O	—			✓						

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

Sample Specific Comments

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

Container Type	E	V	V
Preservative	A	B	B

Relinquished By:	Date/Time	Received By:	Date/Time
	2-2-2023 1320		2/2/23 1500
	2/2/23 1730		2/2/23 19:30
	2/2/23 2140		2/2/23 2140
	2/2/23 2330		2/2/23 2330

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: Environmental Compliance & Control, Inc.
Project Name: BRIDGE CLEANERS

Lab Number: L2305912
Project Number: BRIDGE CLEANERS
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
FIELD BLANK (L2305912-02)	123	101	106	124	0
TRIP BLANK (L2305912-03)	123	100	106	124	0
WG1741609-3LCS	111	103	99	112	0
WG1741609-4LCSD	109	103	104	109	0
WG1741609-5BLANK	115	99	107	124	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

Surrogate Recovery Summary
Form 2
Volatiles

Client: Environmental Compliance & Control, Inc.
Project Name: BRIDGE CLEANERS

Lab Number: L2305912
Project Number: BRIDGE CLEANERS
Matrix: Soil

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
PX-NE (L2305912-01)	110	103	96	104	0
WG1741518-3LCS	103	103	99	101	0
WG1741518-4LCSD	102	103	96	100	0
WG1741518-5BLANK	104	103	102	100	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	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1741518-3 **Analysis Date** : 02/06/23 07:44	**File ID**	: V11230206A02
LCSD Sample ID	: WG1741518-4 **Analysis Date** : 02/06/23 08:11	**File ID**	: V11230206A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	40	37	91	40	35	86	6	70-130	30
1,1-Dichloroethane	40	42	106	40	40	100	6	70-130	30
Chloroform	40	42	105	40	40	100	5	70-130	30
Carbon tetrachloride	40	43	108	40	40	100	8	70-130	30
1,2-Dichloropropane	40	42	105	40	40	99	6	70-130	30
Dibromochloromethane	40	42	106	40	40	101	5	70-130	30
1,1,2-Trichloroethane	40	42	106	40	41	103	3	70-130	30
Tetrachloroethene	40	45	112	40	42	104	7	70-130	30
Chlorobenzene	40	41	104	40	40	99	5	70-130	30
Trichlorofluoromethane	40	46	115	40	42	104	10	70-139	30
1,2-Dichloroethane	40	40	100	40	38	96	4	70-130	30
1,1,1-Trichloroethane	40	44	109	40	41	102	7	70-130	30
Bromodichloromethane	40	41	103	40	39	99	4	70-130	30
trans-1,3-Dichloropropene	40	43	107	40	42	104	3	70-130	30
cis-1,3-Dichloropropene	40	43	106	40	41	101	5	70-130	30
1,1-Dichloropropene	40	44	110	40	41	102	8	70-130	30
Bromoform	40	40	100	40	40	99	1	70-130	30
1,1,2,2-Tetrachloroethane	40	42	106	40	41	102	4	70-130	30
Benzene	40	42	105	40	40	99	6	70-130	30
Toluene	40	42	106	40	40	100	6	70-130	30
Ethylbenzene	40	44	109	40	41	102	7	70-130	30
Chloromethane	40	42	106	40	39	98	8	52-130	30
Bromomethane	40	42	105	40	38	95	10	57-147	30
Vinyl chloride	40	45	113	40	41	103	9	67-130	30
Chloroethane	40	48	120	40	43	109	10	50-151	30
1,1-Dichloroethene	40	43	108	40	40	101	7	65-135	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1741518-3 **Analysis Date** : 02/06/23 07:44	**File ID**	: V11230206A02
LCSD Sample ID	: WG1741518-4 **Analysis Date** : 02/06/23 08:11	**File ID**	: V11230206A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	40	42	106	40	40	100	6	70-130	30
Trichloroethene	40	45	111	40	42	104	7	70-130	30
1,2-Dichlorobenzene	40	42	104	40	40	100	4	70-130	30
1,3-Dichlorobenzene	40	43	107	40	40	101	6	70-130	30
1,4-Dichlorobenzene	40	42	104	40	40	100	4	70-130	30
Methyl tert butyl ether	40	42	106	40	41	102	4	66-130	30
p/m-Xylene	80	89	112	80	84	105	6	70-130	30
o-Xylene	80	89	112	80	85	106	6	70-130	30
cis-1,2-Dichloroethene	40	41	102	40	39	98	4	70-130	30
Dibromomethane	40	41	103	40	40	99	4	70-130	30
Styrene	80	91	114	80	87	109	4	70-130	30
Dichlorodifluoromethane	40	42	105	40	38	95	10	30-146	30
Acetone	40	45	112	40	43	108	4	54-140	30
Carbon disulfide	40	71	178 Q	40	65	162 Q	9	59-130	30
2-Butanone	40	45	112	40	42	106	6	70-130	30
Vinyl acetate	40	45	112	40	43	108	4	70-130	30
4-Methyl-2-pentanone	40	39	98	40	38	94	4	70-130	30
1,2,3-Trichloropropane	40	42	106	40	40	100	6	68-130	30
2-Hexanone	40	45	112	40	43	108	4	70-130	30
Bromochloromethane	40	41	101	40	39	98	3	70-130	30
2,2-Dichloropropane	40	44	110	40	41	102	8	70-130	30
1,2-Dibromoethane	40	44	110	40	42	105	5	70-130	30
1,3-Dichloropropane	40	43	106	40	41	102	4	69-130	30
1,1,1,2-Tetrachloroethane	40	44	110	40	42	106	4	70-130	30
Bromobenzene	40	41	101	40	39	99	2	70-130	30
n-Butylbenzene	40	47	118	40	44	110	7	70-130	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1741518-3 **Analysis Date** : 02/06/23 07:44	**File ID**	: V11230206A02
LCSD Sample ID	: WG1741518-4 **Analysis Date** : 02/06/23 08:11	**File ID**	: V11230206A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
sec-Butylbenzene	40	46	115	40	43	106	8	70-130	30
tert-Butylbenzene	40	44	110	40	41	103	7	70-130	30
o-Chlorotoluene	40	42	106	40	40	101	5	70-130	30
p-Chlorotoluene	40	44	109	40	41	101	8	70-130	30
1,2-Dibromo-3-chloropropane	40	42	106	40	39	98	8	68-130	30
Hexachlorobutadiene	40	45	113	40	41	102	10	67-130	30
Isopropylbenzene	40	44	111	40	41	103	7	70-130	30
p-Isopropyltoluene	40	46	114	40	42	106	7	70-130	30
Naphthalene	40	43	108	40	41	102	6	70-130	30
Acrylonitrile	40	44	109	40	43	108	1	70-130	30
n-Propylbenzene	40	45	112	40	42	104	7	70-130	30
1,2,3-Trichlorobenzene	40	46	114	40	43	108	5	70-130	30
1,2,4-Trichlorobenzene	40	45	113	40	42	105	7	70-130	30
1,3,5-Trimethylbenzene	40	45	112	40	41	104	7	70-130	30
1,2,4-Trimethylbenzene	40	44	110	40	42	104	6	70-130	30
1,4-Dioxane	2000	2100	106	2000	2000	100	6	65-136	30
p-Diethylbenzene	40	46	115	40	43	107	7	70-130	30
p-Ethyltoluene	40	46	114	40	42	106	7	70-130	30
1,2,4,5-Tetramethylbenzene	40	45	112	40	42	104	7	70-130	30
Ethyl ether	40	46	114	40	43	108	5	67-130	30
trans-1,4-Dichloro-2-butene	40	48	120	40	46	115	4	70-130	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: WATER		
LCS Sample ID	: WG1741609-3 **Analysis Date** : 02/06/23 08:07	**File ID**	: V22230206A01
LCSD Sample ID	: WG1741609-4 **Analysis Date** : 02/06/23 08:32	**File ID**	: V22230206A02

	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	10	100	0	70-130	20
1,1-Dichloroethane	10	9.6	96	10	10	100	4	70-130	20
Chloroform	10	10	100	10	9.9	99	1	70-130	20
Carbon tetrachloride	10	10	100	10	11	110	10	63-132	20
1,2-Dichloropropane	10	8.8	88	10	9.3	93	6	70-130	20
Dibromochloromethane	10	7.8	78	10	8.6	86	10	63-130	20
1,1,2-Trichloroethane	10	8.2	82	10	9.2	92	11	70-130	20
Tetrachloroethene	10	9.1	91	10	9.6	96	5	70-130	20
Chlorobenzene	10	9.1	91	10	9.5	95	4	75-130	20
Trichlorofluoromethane	10	10	100	10	10	100	0	62-150	20
1,2-Dichloroethane	10	9.5	95	10	10	100	5	70-130	20
1,1,1-Trichloroethane	10	10	100	10	10	100	0	67-130	20
Bromodichloromethane	10	9.4	94	10	9.6	96	2	67-130	20
trans-1,3-Dichloropropene	10	8.9	89	10	9.0	90	1	70-130	20
cis-1,3-Dichloropropene	10	9.3	93	10	9.6	96	3	70-130	20
1,1-Dichloropropene	10	8.9	89	10	9.2	92	3	70-130	20
Bromoform	10	8.0	80	10	8.8	88	10	54-136	20
1,1,2,2-Tetrachloroethane	10	8.7	87	10	9.6	96	10	67-130	20
Benzene	10	9.2	92	10	9.7	97	5	70-130	20
Toluene	10	9.1	91	10	9.6	96	5	70-130	20
Ethylbenzene	10	9.1	91	10	9.7	97	6	70-130	20
Chloromethane	10	9.4	94	10	9.6	96	2	64-130	20
Bromomethane	10	10	100	10	11	110	10	39-139	20
Vinyl chloride	10	10	100	10	11	110	10	55-140	20
Chloroethane	10	9.6	96	10	10	100	4	55-138	20
1,1-Dichloroethene	10	10	100	10	10	100	0	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: WATER		
LCS Sample ID	: WG1741609-3 **Analysis Date** : 02/06/23 08:07	**File ID**	: V22230206A01
LCSD Sample ID	: WG1741609-4 **Analysis Date** : 02/06/23 08:32	**File ID**	: V22230206A02

	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	9.7	97	10	10	100	3	70-130	20
Trichloroethene	10	9.0	90	10	9.5	95	5	70-130	20
1,2-Dichlorobenzene	10	8.9	89	10	9.7	97	9	70-130	20
1,3-Dichlorobenzene	10	9.1	91	10	9.8	98	7	70-130	20
1,4-Dichlorobenzene	10	8.9	89	10	9.9	99	11	70-130	20
Methyl tert butyl ether	10	9.0	90	10	10	100	11	63-130	20
p/m-Xylene	20	19	95	20	20	100	5	70-130	20
o-Xylene	20	19	95	20	20	100	5	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	10	100	0	70-130	20
Dibromomethane	10	9.6	96	10	10	100	4	70-130	20
1,2,3-Trichloropropane	10	8.3	83	10	8.8	88	6	64-130	20
Acrylonitrile	10	9.9	99	10	11	110	11	70-130	20
Styrene	20	19	95	20	20	100	5	70-130	20
Dichlorodifluoromethane	10	8.6	86	10	8.8	88	2	36-147	20
Acetone	10	11	110	10	12	120	9	58-148	20
Carbon disulfide	10	9.6	96	10	10	100	4	51-130	20
2-Butanone	10	9.4	94	10	10	100	6	63-138	20
Vinyl acetate	10	11	110	10	12	120	9	70-130	20
4-Methyl-2-pentanone	10	8.2	82	10	9.6	96	16	59-130	20
2-Hexanone	10	7.9	79	10	8.8	88	11	57-130	20
Bromochloromethane	10	9.9	99	10	10	100	1	70-130	20
2,2-Dichloropropane	10	10	100	10	11	110	10	63-133	20
1,2-Dibromoethane	10	9.2	92	10	9.4	94	2	70-130	20
1,3-Dichloropropane	10	8.6	86	10	9.1	91	6	70-130	20
1,1,1,2-Tetrachloroethane	10	8.4	84	10	8.8	88	5	64-130	20
Bromobenzene	10	8.8	88	10	9.6	96	9	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: WATER		
LCS Sample ID	: WG1741609-3 **Analysis Date** : 02/06/23 08:07	**File ID**	: V22230206A01
LCSD Sample ID	: WG1741609-4 **Analysis Date** : 02/06/23 08:32	**File ID**	: V22230206A02

	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	8.8	88	10	9.6	96	9	53-136	20
sec-Butylbenzene	10	9.2	92	10	10	100	8	70-130	20
tert-Butylbenzene	10	9.1	91	10	10	100	9	70-130	20
o-Chlorotoluene	10	8.9	89	10	9.8	98	10	70-130	20
p-Chlorotoluene	10	9.1	91	10	10	100	9	70-130	20
1,2-Dibromo-3-chloropropane	10	9.0	90	10	10	100	11	41-144	20
Hexachlorobutadiene	10	9.4	94	10	9.9	99	5	63-130	20
Isopropylbenzene	10	9.0	90	10	10	100	11	70-130	20
p-Isopropyltoluene	10	9.1	91	10	9.9	99	8	70-130	20
Naphthalene	10	8.4	84	10	9.6	96	13	70-130	20
n-Propylbenzene	10	9.1	91	10	10	100	9	69-130	20
1,2,3-Trichlorobenzene	10	8.9	89	10	9.8	98	10	70-130	20
1,2,4-Trichlorobenzene	10	8.8	88	10	9.8	98	11	70-130	20
1,3,5-Trimethylbenzene	10	8.4	84	10	9.4	94	11	64-130	20
1,2,4-Trimethylbenzene	10	8.4	84	10	9.1	91	8	70-130	20
1,4-Dioxane	500	600	120	500	620	124	3	56-162	20
p-Diethylbenzene	10	8.6	86	10	9.4	94	9	70-130	20
p-Ethyltoluene	10	9.1	91	10	10	100	9	70-130	20
1,2,4,5-Tetramethylbenzene	10	8.6	86	10	9.3	93	8	70-130	20
Ethyl ether	10	9.2	92	10	9.9	99	7	59-134	20
trans-1,4-Dichloro-2-butene	10	8.5	85	10	10	100	16	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab Sample ID	: WG1741518-5	**Lab File ID**	: V11230206A05
Instrument ID	: VOA111		
Matrix	: SOIL	**Analysis Date**	: 02/06/23 09:07

Client Sample No.	Lab Sample ID	Analysis Date
WG1741518-3LCS	WG1741518-3	02/06/23 07:44
WG1741518-4LCSD	WG1741518-4	02/06/23 08:11
PX-NE	L2305912-01	02/06/23 15:32

Method Blank Summary
Form 4
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab Sample ID	: WG1741609-5	**Lab File ID**	: V22230206A05
Instrument ID	: VOA122		
Matrix	: WATER	**Analysis Date**	: 02/06/23 09:46

Client Sample No.	Lab Sample ID	Analysis Date
WG1741609-3LCS	WG1741609-3	02/06/23 08:07
WG1741609-4LCSD	WG1741609-4	02/06/23 08:32
FIELD BLANK	L2305912-02	02/06/23 13:02
TRIP BLANK	L2305912-03	02/06/23 13:27

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

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA111	**Analysis Date**	: 01/18/23 10:20
Tune Standard	: WG1735211-1	**Tune File ID**	: V11230118ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	21.2
75	30.0 - 80.0% of mass 95	52.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.8 (1.1)1
174	Greater than 50.0% of mass 95	78.8
175	5.0 - 9.0% of mass 174	5.9 (7.5)1
176	Greater than 95.0% but less than 101% of mass	75.6 (96)1
177	5.0 - 9.0% of mass 176	4.9 (6.5)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.5PPB	R1654277-1	V11230118A03	01/18/23 11:38
STD1PPB	R1654277-2	V11230118A05	01/18/23 12:32
STD2PPB	R1654277-3	V11230118A07	01/18/23 13:25
STD4PPB	R1654277-4	V11230118A09	01/18/23 14:19
STD20PPB	R1654277-5	V11230118A10	01/18/23 14:46
STD40PPB	R1654277-6	V11230118A11	01/18/23 15:13
STD100PPB	R1654277-7	V11230118A12	01/18/23 15:40
STD200PPB	R1654277-8	V11230118A13	01/18/23 16:06
STD300PPB	R1654277-9	V11230118A14	01/18/23 16:33
ICV Quant Report	R1654277-10	V11230118A19	01/18/23 18:47

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

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA111	**Analysis Date**	: 02/06/23 06:50
Tune Standard	: WG1741518-1	**Tune File ID**	: V11230206ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	24.4
75	30.0 - 80.0% of mass 95	54.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0% of mass 95	77.8
175	5.0 - 9.0% of mass 174	6.3 (8.1)1
176	Greater than 95.0% but less than 101% of mass	75.3 (96.7)1
177	5.0 - 9.0% of mass 176	5.8 (7.7)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1741518-2CCAL	WG1741518-2	V11230206A01	02/06/23 07:16
WG1741518-3LCS	WG1741518-3	V11230206A02	02/06/23 07:44
WG1741518-4LCSD	WG1741518-4	V11230206A03	02/06/23 08:11
WG1741518-5BLANK	WG1741518-5	V11230206A05	02/06/23 09:07
PX-NE	L2305912-01	V11230206A17	02/06/23 15:32

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

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA122	**Analysis Date**	: 01/24/23 16:58
Tune Standard	: WG1737034-1	**Tune File ID**	: V22230124NBF2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.2
75	30.0 - 80.0% of mass 95	56.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.4 (.5)1
174	Greater than 50.0% of mass 95	78.9
175	5.0 - 9.0% of mass 174	6 (7.5)1
176	Greater than 95.0% but less than 101% of mass	78.1 (99)1
177	5.0 - 9.0% of mass 176	4.9 (6.3)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	R1655958-1	V22230124N03	01/24/23 18:05
STD0.5PPB	R1655958-2	V22230124N05	01/24/23 18:54
STD2PPB	R1655958-3	V22230124N07	01/24/23 19:42
STD10PPB	R1655958-5	V22230124N09	01/24/23 20:31
STD30PPB	R1655958-4	V22230124N10	01/24/23 20:56
STD80PPB	R1655958-6	V22230124N11	01/24/23 21:20
STD120PPB	R1655958-7	V22230124N12	01/24/23 21:45
STD200PPB	R1655958-8	V22230124N13	01/24/23 22:09
ICV Quant Report	R1655958-9	V22230124N19	01/25/23 00:36

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

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA122	**Analysis Date**	: 02/06/23 07:56
Tune Standard	: WG1741609-1	**Tune File ID**	: V22230206ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.5
75	30.0 - 80.0% of mass 95	58
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.3 (.4)1
174	Greater than 50.0% of mass 95	79.6
175	5.0 - 9.0% of mass 174	5.5 (6.9)1
176	Greater than 95.0% but less than 101% of mass	78.2 (98.2)1
177	5.0 - 9.0% of mass 176	5.3 (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
WG1741609-2CCAL	WG1741609-2	V22230206A01	02/06/23 08:07
WG1741609-3LCS	WG1741609-3	V22230206A01	02/06/23 08:07
WG1741609-4LCSD	WG1741609-4	V22230206A02	02/06/23 08:32
WG1741609-5BLANK	WG1741609-5	V22230206A05	02/06/23 09:46
FIELD BLANK	L2305912-02	V22230206A13	02/06/23 13:02
TRIP BLANK	L2305912-03	V22230206A14	02/06/23 13:27

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA111	**Analysis Date**	: 02/06/23 07:16:00
Sample No	: WG1741518-2	**Lab File ID**	: V11230206A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1741518-2	81322	6.27	59466	9.84	31406	12.49
Upper Limit	162644	6.77	118932	10.34	62812	12.99
Lower Limit	40661	5.77	29733	9.34	15703	11.99
Sample ID						
WG1741518-3 LCS	77898	6.27	57545	9.85	30145	12.49
WG1741518-4 LCSD	80743	6.27	59042	9.84	30884	12.49
WG1741518-5 BLANK	70827	6.26	52234	9.84	24753	12.49
PX-NE	66812	6.27	49473	9.85	25409	12.49

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

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA122	**Analysis Date**	: 02/06/23 08:07:00
Sample No	: WG1741609-2	**Lab File ID**	: V22230206A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1741609-2	308167	6.29	247621	9.87	143234	12.51
Upper Limit	616334	6.79	495242	10.37	286468	13.01
Lower Limit	154084	5.79	123811	9.37	71617	12.01
Sample ID						
WG1741609-3 LCS	308167	6.29	247621	9.87	143234	12.51
WG1741609-4 LCSD	315671	6.29	251093	9.87	141434	12.51
WG1741609-5 BLANK	269998	6.29	248396	9.87	134501	12.52
FIELD BLANK	242003	6.29	224981	9.87	127823	12.51
TRIP BLANK	250538	6.29	230536	9.87	130975	12.51

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

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Volatile Organics - EPA 8260C (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	0.210	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			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.240	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	0.200	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			
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	0.330	ug/l				20	20			
Xylene (Total)	1330-20-7	1	0.330	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			

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

Volatile Organics - EPA 8260C (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		
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			
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	0.430	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	0.220	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			
1,3,5-Trichlorobenzene	108-70-3	2	0.141	ug/l	70-130	20	70-130	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			
Methyl Acetate	79-20-9	10	0.234	ug/l	70-130	20	70-130	20	20			
Ethyl Acetate	141-78-6	10	0.716	ug/l	70-130	20	70-130	20	20			
Isopropyl Ether	108-20-3	2	0.425	ug/l	70-130	20	70-130	20	20			
Cyclohexane	110-82-7	10	0.271	ug/l	70-130	20	70-130	20	20			
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.179	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 Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (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		
Tertiary-Amyl Methyl Ether	994-05-8	2	0.278	ug/l	66-130	20	66-130	20	20			
1,4-Dioxane	123-91-1	250	60.8	ug/l	56-162	20	56-162	20	20			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	10	0.148	ug/l	70-130	20	70-130	20	20			
Methyl cyclohexane	108-87-2	10	0.396	ug/l	70-130	20	70-130	20	20			
1,4-Diethylbenzene	105-05-5	2	0.392	ug/l	70-130	20	70-130	20	20			
4-Ethyltoluene	622-96-8	2	0.340	ug/l	70-130	20	70-130	20	20			
1,2,4,5-Tetramethylbenzene	95-93-2	2	0.542	ug/l	70-130	20	70-130	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 Alpha Analytical, Inc.

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Created By: Jason Hebert
File: PM5047-1
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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	5	2.29	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	1	0.145	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	1.5	0.140	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	1	0.230	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	1	0.125	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	1	0.140	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	1	0.267	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	0.5	0.196	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	0.5	0.127	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	4	0.695	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	1	0.257	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	0.5	0.167	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	0.5	0.109	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	1	0.273	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.158	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	0.5	0.159	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	4	0.246	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	1	0.543	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	1	0.141	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	4	0.932	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	2	0.581	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	1	0.335	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	2	0.452	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	1	0.238	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	1.5	0.137	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	0.5	0.137	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.144	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.148	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.171	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	2	0.201	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	2	0.560	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	1	0.291	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	1	0.175	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
Dibromomethane	74-95-3	2	0.238	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	10	0.226	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	2	0.127	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	1	0.196	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	10	0.915	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	10	4.81	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	10	4.55	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	10	2.22	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	10	2.15	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	10	1.28	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	10	1.18	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	10	1.58	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	4	1.15	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	2	0.205	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	4	1.59	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	2	0.202	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	1	0.279	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	2	0.167	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.132	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	2	0.145	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	1	0.167	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	1	0.146	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	2	0.118	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	2	0.173	ug/kg	70-139	30	70-130	30	30			
o-Chlorotoluene	95-49-8	2	0.191	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	2	0.108	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	3	0.998	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	4	0.169	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	1	0.109	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	1	0.109	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	4	0.650	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	1	0.171	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	2	0.322	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	2	0.272	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	2	0.193	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	2	0.334	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	5	1.42	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	100	100	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2	0.341	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	4	0.950	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	10	1.21	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	2	0.213	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	10	0.544	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.128	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	2	0.176	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	100	35.1	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	4	0.693	ug/kg	70-130	30	70-130	30	30			
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*		

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Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	250	115	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	50	7.25	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	75	7.00	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	50	11.5	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	50	6.25	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	50	7.00	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	50	13.4	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	25	9.80	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	25	6.35	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	200	34.8	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	50	12.9	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	25	8.35	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	25	5.45	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	50	13.7	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	25	7.90	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	25	7.95	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	200	12.3	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	25	8.30	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	25	8.30	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	50	27.2	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	50	7.05	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	200	46.6	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	100	29.1	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	50	16.8	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	100	22.6	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	50	11.9	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	75	6.85	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	25	6.85	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	100	7.20	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	100	7.40	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	100	8.55	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	100	10.1	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	100	28.0	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	50	14.6	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	50	8.75	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
Dibromomethane	74-95-3	100	11.9	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	500	11.3	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	100	6.35	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	50	9.80	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	500	45.8	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	500	241	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	500	228	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	500	111	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	500	108	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	500	64.0	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	500	59.0	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	500	79.0	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	200	57.5	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	100	10.3	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	200	79.5	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	100	10.1	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	50	14.0	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	100	8.35	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	25	6.60	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	100	7.25	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	50	8.35	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	50	7.30	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	100	5.90	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	100	8.65	ug/kg	70-139	30	70-130	30	30			
o-Chlorotoluene	95-49-8	100	9.55	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	100	5.40	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	150	49.9	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	200	8.45	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	50	5.45	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	50	5.45	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	200	32.5	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	50	8.55	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	100	16.1	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	100	13.6	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	100	9.65	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	100	16.7	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	250	71.0	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	5000	5000	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	100	17.1	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	200	47.5	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	500	60.5	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	100	10.7	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	500	27.2	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	100	6.40	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	100	8.80	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	5000	1755	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	200	34.7	ug/kg	70-130	30	70-130	30	30			
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*		

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Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2305912-01	**Date Collected**	: 02/02/23 09:40
Client ID	: PX-NE	**Date Received**	: 02/02/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/06/23 15:32
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: AJK
Lab File ID	: V11230206A17	**Instrument ID**	: VOA111
Sample Amount	: 4.3 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 87
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	6.7	3.1	U
75-34-3	1,1-Dichloroethane	ND	1.3	0.19	U
67-66-3	Chloroform	ND	2.0	0.19	U
56-23-5	Carbon tetrachloride	ND	1.3	0.31	U
78-87-5	1,2-Dichloropropane	ND	1.3	0.17	U
124-48-1	Dibromochloromethane	ND	1.3	0.19	U
79-00-5	1,1,2-Trichloroethane	ND	1.3	0.36	U
127-18-4	Tetrachloroethene	11	0.67	0.26	
108-90-7	Chlorobenzene	ND	0.67	0.17	U
75-69-4	Trichlorofluoromethane	ND	5.4	0.93	U
107-06-2	1,2-Dichloroethane	ND	1.3	0.34	U
71-55-6	1,1,1-Trichloroethane	ND	0.67	0.22	U
75-27-4	Bromodichloromethane	ND	0.67	0.15	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.3	0.37	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.67	0.21	U
542-75-6	1,3-Dichloropropene, Total	ND	0.67	0.21	U
563-58-6	1,1-Dichloropropene	ND	0.67	0.21	U
75-25-2	Bromoform	ND	5.4	0.33	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.67	0.22	U
71-43-2	Benzene	ND	0.67	0.22	U
108-88-3	Toluene	1.2	1.3	0.73	J
100-41-4	Ethylbenzene	ND	1.3	0.19	U
74-87-3	Chloromethane	ND	5.4	1.2	U
74-83-9	Bromomethane	ND	2.7	0.78	U
75-01-4	Vinyl chloride	ND	1.3	0.45	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2305912-01	**Date Collected**	: 02/02/23 09:40
Client ID	: PX-NE	**Date Received**	: 02/02/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/06/23 15:32
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: AJK
Lab File ID	: V11230206A17	**Instrument ID**	: VOA111
Sample Amount	: 4.3 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 87
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.7	0.61	U
75-35-4	1,1-Dichloroethene	ND	1.3	0.32	U
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.18	U
79-01-6	Trichloroethene	ND	0.67	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.7	0.19	U
541-73-1	1,3-Dichlorobenzene	ND	2.7	0.20	U
106-46-7	1,4-Dichlorobenzene	ND	2.7	0.23	U
1634-04-4	Methyl tert butyl ether	ND	2.7	0.27	U
179601-23-1	p/m-Xylene	ND	2.7	0.75	U
95-47-6	o-Xylene	ND	1.3	0.39	U
1330-20-7	Xylenes, Total	ND	1.3	0.39	U
156-59-2	cis-1,2-Dichloroethene	ND	1.3	0.24	U
540-59-0	1,2-Dichloroethene, Total	ND	1.3	0.18	U
74-95-3	Dibromomethane	ND	2.7	0.32	U
100-42-5	Styrene	ND	1.3	0.26	U
75-71-8	Dichlorodifluoromethane	ND	13	1.2	U
67-64-1	Acetone	ND	13	6.5	U
75-15-0	Carbon disulfide	ND	13	6.1	U
78-93-3	2-Butanone	ND	13	3.0	U
108-05-4	Vinyl acetate	ND	13	2.9	U
108-10-1	4-Methyl-2-pentanone	ND	13	1.7	U
96-18-4	1,2,3-Trichloropropane	ND	2.7	0.17	U
591-78-6	2-Hexanone	ND	13	1.6	U
74-97-5	Bromochloromethane	ND	2.7	0.28	U
594-20-7	2,2-Dichloropropane	ND	2.7	0.27	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2305912
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2305912-01	Date Collected	: 02/02/23 09:40
Client ID	: PX-NE	Date Received	: 02/02/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/06/23 15:32
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: V11230206A17	Instrument ID	: VOA111
Sample Amount	: 4.3 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 87
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.3	0.38	U
142-28-9	1,3-Dichloropropane	ND	2.7	0.22	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.67	0.18	U
108-86-1	Bromobenzene	ND	2.7	0.19	U
104-51-8	n-Butylbenzene	ND	1.3	0.22	U
135-98-8	sec-Butylbenzene	ND	1.3	0.20	U
98-06-6	tert-Butylbenzene	ND	2.7	0.16	U
95-49-8	o-Chlorotoluene	ND	2.7	0.26	U
106-43-4	p-Chlorotoluene	ND	2.7	0.14	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.0	1.3	U
87-68-3	Hexachlorobutadiene	ND	5.4	0.23	U
98-82-8	Isopropylbenzene	ND	1.3	0.15	U
99-87-6	p-Isopropyltoluene	ND	1.3	0.15	U
91-20-3	Naphthalene	ND	5.4	0.87	U
107-13-1	Acrylonitrile	ND	5.4	1.5	U
103-65-1	n-Propylbenzene	ND	1.3	0.23	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.7	0.43	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.7	0.36	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.7	0.26	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.7	0.45	U
123-91-1	1,4-Dioxane	ND	110	47.	U
105-05-5	p-Diethylbenzene	ND	2.7	0.24	U
622-96-8	p-Ethyltoluene	ND	2.7	0.52	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.7	0.26	U
60-29-7	Ethyl ether	ND	2.7	0.46	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2305912-01	**Date Collected**	: 02/02/23 09:40
Client ID	: PX-NE	**Date Received**	: 02/02/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/06/23 15:32
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: AJK
Lab File ID	: V11230206A17	**Instrument ID**	: VOA111
Sample Amount	: 4.3 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 87
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.7	1.9	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2305912-02	**Date Collected**	: 02/02/23 09:50
Client ID	: FIELD BLANK	**Date Received**	: 02/02/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/06/23 13:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V22230206A13	**Instrument ID**	: VOA122
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	: Environmental Compliance & Control,	Lab Number	: L2305912
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2305912-02	Date Collected	: 02/02/23 09:50
Client ID	: FIELD BLANK	Date Received	: 02/02/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/06/23 13:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22230206A13	Instrument ID	: VOA122
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	0.70	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	: Environmental Compliance & Control,	Lab Number	: L2305912
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2305912-02	Date Collected	: 02/02/23 09:50
Client ID	: FIELD BLANK	Date Received	: 02/02/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/06/23 13:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22230206A13	Instrument ID	: VOA122
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	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2305912-02	**Date Collected**	: 02/02/23 09:50
Client ID	: FIELD BLANK	**Date Received**	: 02/02/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/06/23 13:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V22230206A13	**Instrument ID**	: VOA122
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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2305912-03	**Date Collected**	: 02/02/23 00:00
Client ID	: TRIP BLANK	**Date Received**	: 02/02/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/06/23 13:27
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V22230206A14	**Instrument ID**	: VOA122
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	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2305912-03	**Date Collected**	: 02/02/23 00:00
Client ID	: TRIP BLANK	**Date Received**	: 02/02/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/06/23 13:27
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V22230206A14	**Instrument ID**	: VOA122
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	0.70	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	: Environmental Compliance & Control,	Lab Number	: L2305912
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2305912-03	Date Collected	: 02/02/23 00:00
Client ID	: TRIP BLANK	Date Received	: 02/02/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/06/23 13:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22230206A14	Instrument ID	: VOA122
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	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2305912-03	**Date Collected**	: 02/02/23 00:00
Client ID	: TRIP BLANK	**Date Received**	: 02/02/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/06/23 13:27
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V22230206A14	**Instrument ID**	: VOA122
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

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1741518-5	**Date Collected**	: NA
Client ID	: WG1741518-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 02/06/23 09:07
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: NLK
Lab File ID	: V11230206A05	**Instrument ID**	: VOA111
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	5.0	2.3	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	U
67-66-3	Chloroform	ND	1.5	0.14	U
56-23-5	Carbon tetrachloride	ND	1.0	0.23	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.12	U
124-48-1	Dibromochloromethane	ND	1.0	0.14	U
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.27	U
127-18-4	Tetrachloroethene	ND	0.50	0.20	U
108-90-7	Chlorobenzene	ND	0.50	0.13	U
75-69-4	Trichlorofluoromethane	ND	4.0	0.70	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.17	U
75-27-4	Bromodichloromethane	ND	0.50	0.11	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.27	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.16	U
563-58-6	1,1-Dichloropropene	ND	0.50	0.16	U
75-25-2	Bromoform	ND	4.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.17	U
108-88-3	Toluene	ND	1.0	0.54	U
100-41-4	Ethylbenzene	ND	1.0	0.14	U
74-87-3	Chloromethane	ND	4.0	0.93	U
74-83-9	Bromomethane	0.58	2.0	0.58	J
75-01-4	Vinyl chloride	ND	1.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1741518-5	**Date Collected**	: NA
Client ID	: WG1741518-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 02/06/23 09:07
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: NLK
Lab File ID	: V11230206A05	**Instrument ID**	: VOA111
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.0	0.45	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.14	U
79-01-6	Trichloroethene	ND	0.50	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.56	U
95-47-6	o-Xylene	ND	1.0	0.29	U
1330-20-7	Xylenes, Total	ND	1.0	0.29	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
540-59-0	1,2-Dichloroethene, Total	ND	1.0	0.14	U
74-95-3	Dibromomethane	ND	2.0	0.24	U
100-42-5	Styrene	ND	1.0	0.20	U
75-71-8	Dichlorodifluoromethane	ND	10	0.92	U
67-64-1	Acetone	ND	10	4.8	U
75-15-0	Carbon disulfide	ND	10	4.6	U
78-93-3	2-Butanone	ND	10	2.2	U
108-05-4	Vinyl acetate	ND	10	2.2	U
108-10-1	4-Methyl-2-pentanone	ND	10	1.3	U
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.13	U
591-78-6	2-Hexanone	ND	10	1.2	U
74-97-5	Bromochloromethane	ND	2.0	0.20	U
594-20-7	2,2-Dichloropropane	ND	2.0	0.20	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2305912
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1741518-5	Date Collected	: NA
Client ID	: WG1741518-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/06/23 09:07
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: NLK
Lab File ID	: V11230206A05	Instrument ID	: VOA111
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	U
142-28-9	1,3-Dichloropropane	ND	2.0	0.17	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	U
108-86-1	Bromobenzene	ND	2.0	0.14	U
104-51-8	n-Butylbenzene	ND	1.0	0.17	U
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
95-49-8	o-Chlorotoluene	ND	2.0	0.19	U
106-43-4	p-Chlorotoluene	ND	2.0	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.0	1.0	U
87-68-3	Hexachlorobutadiene	ND	4.0	0.17	U
98-82-8	Isopropylbenzene	ND	1.0	0.11	U
99-87-6	p-Isopropyltoluene	ND	1.0	0.11	U
91-20-3	Naphthalene	ND	4.0	0.65	U
107-13-1	Acrylonitrile	ND	4.0	1.2	U
103-65-1	n-Propylbenzene	ND	1.0	0.17	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.32	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.27	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.33	U
123-91-1	1,4-Dioxane	ND	80	35.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.18	U
622-96-8	p-Ethyltoluene	ND	2.0	0.38	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.19	U
60-29-7	Ethyl ether	ND	2.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1741518-5	**Date Collected**	: NA
Client ID	: WG1741518-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 02/06/23 09:07
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: NLK
Lab File ID	: V11230206A05	**Instrument ID**	: VOA111
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	1.4	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Compliance & Control,	Lab Number	: L2305912
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1741609-5	Date Collected	: NA
Client ID	: WG1741609-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/06/23 09:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22230206A05	Instrument ID	: VOA122
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	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1741609-5	**Date Collected**	: NA
Client ID	: WG1741609-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 02/06/23 09:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V22230206A05	**Instrument ID**	: VOA122
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	0.70	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	: Environmental Compliance & Control,	Lab Number	: L2305912
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1741609-5	Date Collected	: NA
Client ID	: WG1741609-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/06/23 09:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22230206A05	Instrument ID	: VOA122
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	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1741609-5	**Date Collected**	: NA
Client ID	: WG1741609-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 02/06/23 09:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V22230206A05	**Instrument ID**	: VOA122
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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206A17.D
Acq On : 06 Feb 2023 03:32 pm
Operator : VOA111:AJK
Sample : L2305912-01,31,4.30,5,,y
Misc : WG1741518,ICAL19665
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 06 16:37:18 2023
Quant Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230206A\V11230206A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	66812	20.000	ug/L	0.00
Standard Area 1 = 81322			Recovery = 82.16%			
59) Chlorobenzene-d5	9.846	117	49473	20.000	ug/L	0.00
Standard Area 1 = 59466			Recovery = 83.20%			
79) 1,4-Dichlorobenzene-d4	12.489	152	25409	20.000	ug/L	0.00
Standard Area 1 = 31406			Recovery = 80.90%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.431	113	17877	20.863	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 104.32%			
43) 1,2-Dichloroethane-d4	5.971	65	18619	21.916	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 109.58%			
60) Toluene-d8	7.979	98	65786	20.514	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.57%			
83) 4-Bromofluorobenzene	11.298	95	20533	19.164	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.82%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	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	3.140	76	421	0.282	ug/L #	73
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.727	43	876	3.865	ug/L #	71
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	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	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206A17.D
Acq On : 06 Feb 2023 03:32 pm
Operator : VOA111:AJK
Sample : L2305912-01,31,4.30,5,,y
Misc : WG1741518,ICAL19665
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 06 16:37:18 2023
Quant Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230206A\V11230206A01.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	0.000		0	N.D.		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	0.000		0	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	8.042	92	1769	0.925	ug/L	90
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	8.493	166	5979	8.550	ug/L	99
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	0.000		0	N.D.		
74) Ethylbenzene	0.000		0	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	10.685	104	54	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	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D. 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	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D. d		
93) 4-Chlorotoluene	0.000		0	N.D.		
94) tert-Butylbenzene	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206A17.D
Acq On : 06 Feb 2023 03:32 pm
Operator : VOA111:AJK
Sample : L2305912-01,31,4.30,5,,y
Misc : WG1741518,ICAL19665
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 06 16:37:18 2023
Quant Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230206A\V11230206A01.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	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	0.000		0	N.D.		
102) p-Diethylbenzene	0.000		0	N.D.		
103) n-Butylbenzene	0.000		0	N.D.	d	
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
105) 1,2,4,5-Tetramethylben...	13.490	119	103	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	d	
108) Hexachlorobutadiene	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.	d	
110) Naphthalene	14.617	128	322	0.141	ug/L	100
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.	d	

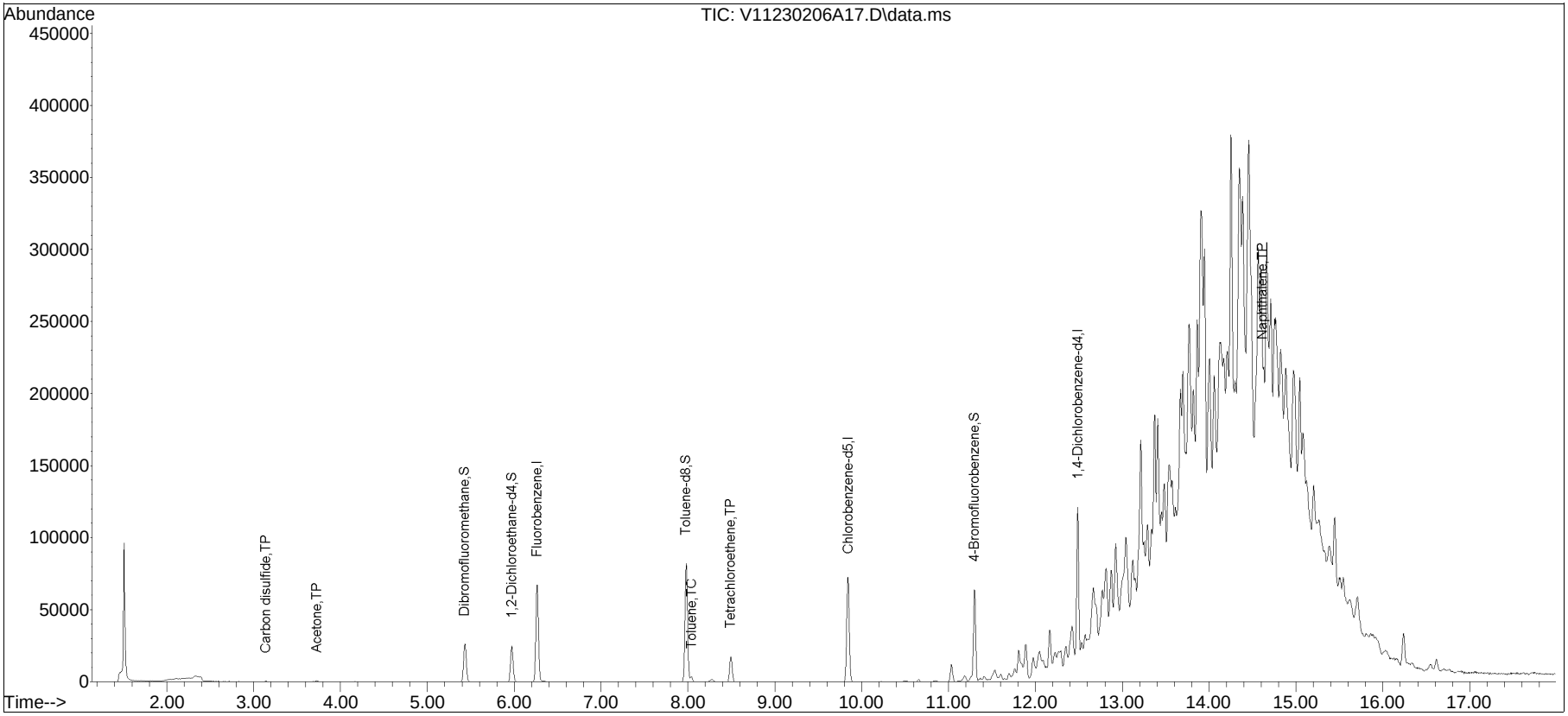
(#) = qualifier out of range (m) = manual integration (+) = signals summed

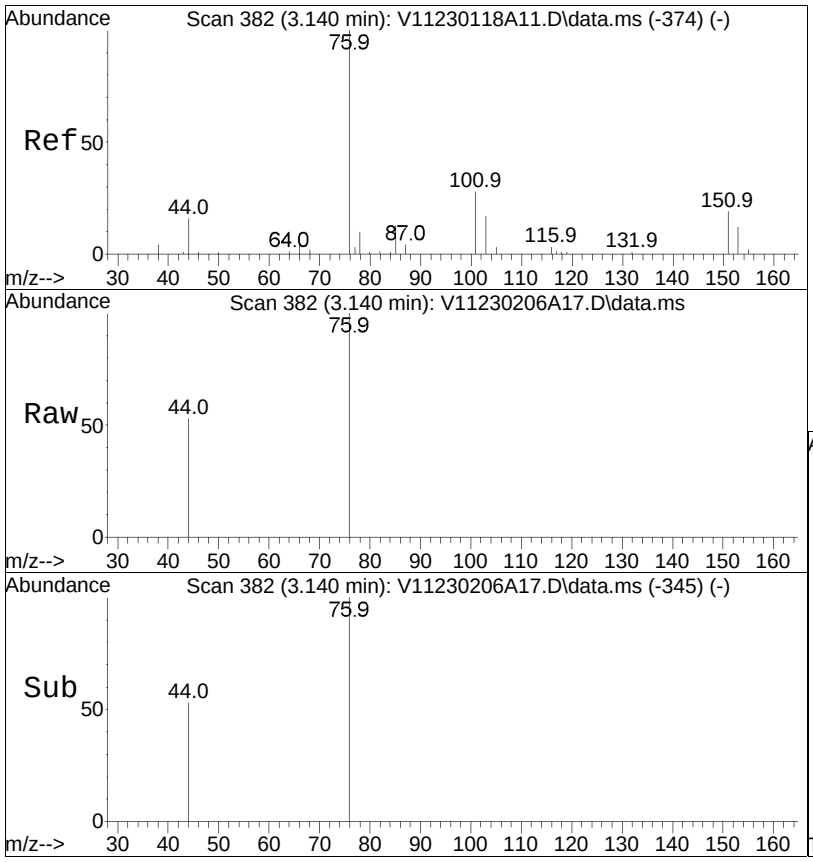
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206A17.D
Acq On : 06 Feb 2023 03:32 pm
Operator : VOA111:AJK
Sample : L2305912-01,31,4.30,5,,y
Misc : WG1741518,ICAL19665
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 06 16:37:18 2023
Quant Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox30206A\V11230206A01.D•

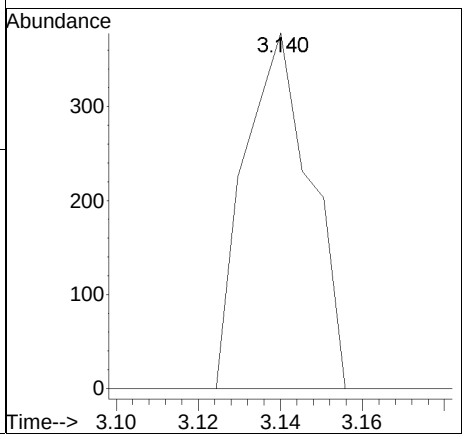


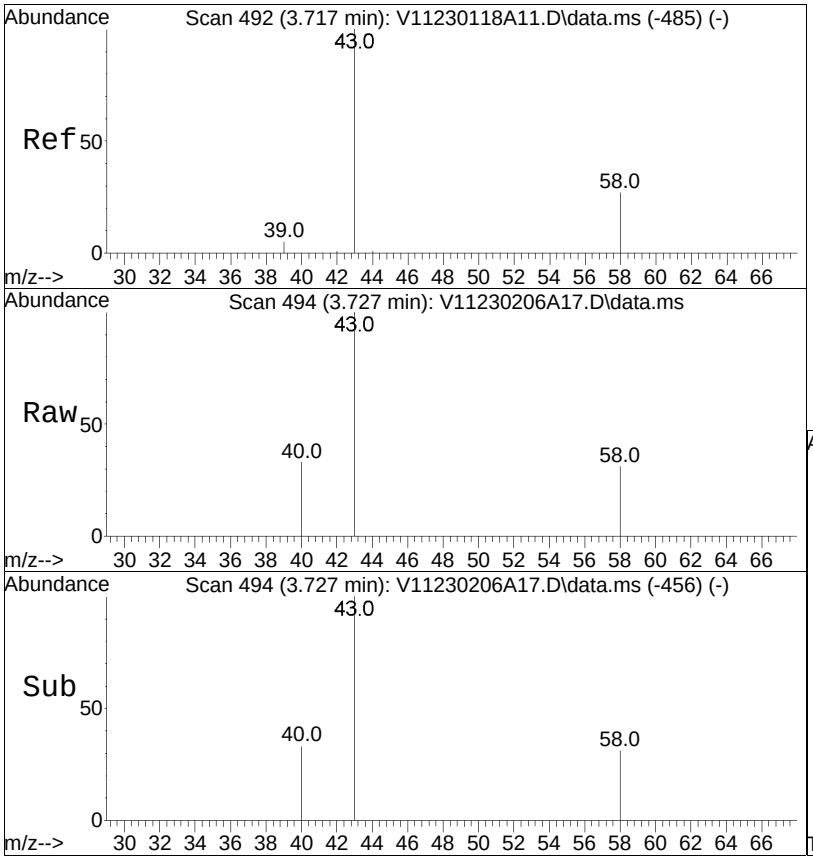


#11
Carbon disulfide
Concen: 0.28 ug/L
RT: 3.140 min Scan# 382
Delta R.T. -0.005 min
Lab File: V11230206A17.D
Acq: 06 Feb 2023 03:32 pm

Tgt Ion: 76 Resp: 421

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.4	13.4#

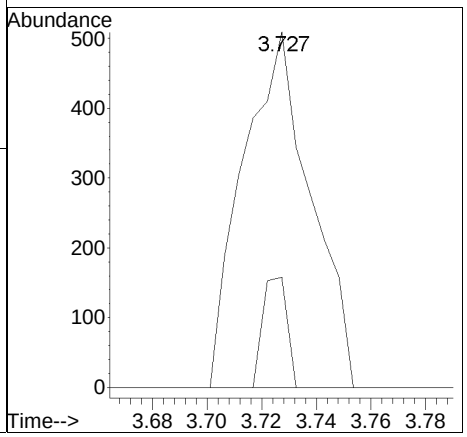


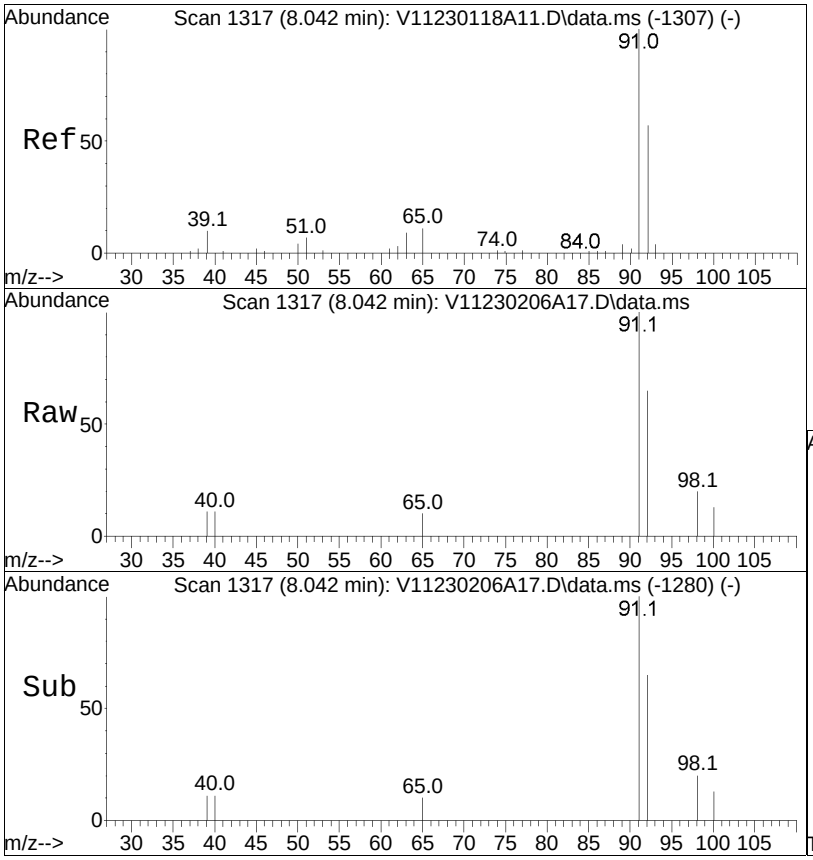


#17
Acetone
Concen: 3.87 ug/L
RT: 3.727 min Scan# 494
Delta R.T. 0.000 min
Lab File: V11230206A17.D
Acq: 06 Feb 2023 03:32 pm

Tgt Ion: 43 Resp: 876

Ion	Ratio	Lower	Upper
43	100		
58	11.2	20.8	31.2#

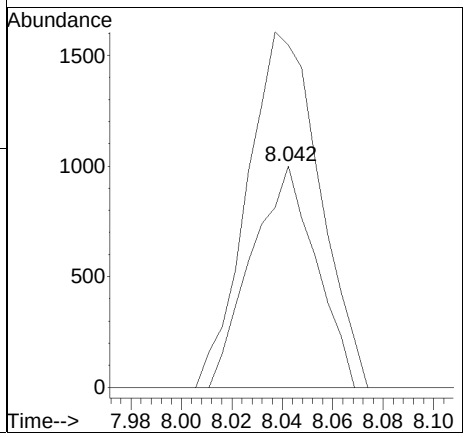


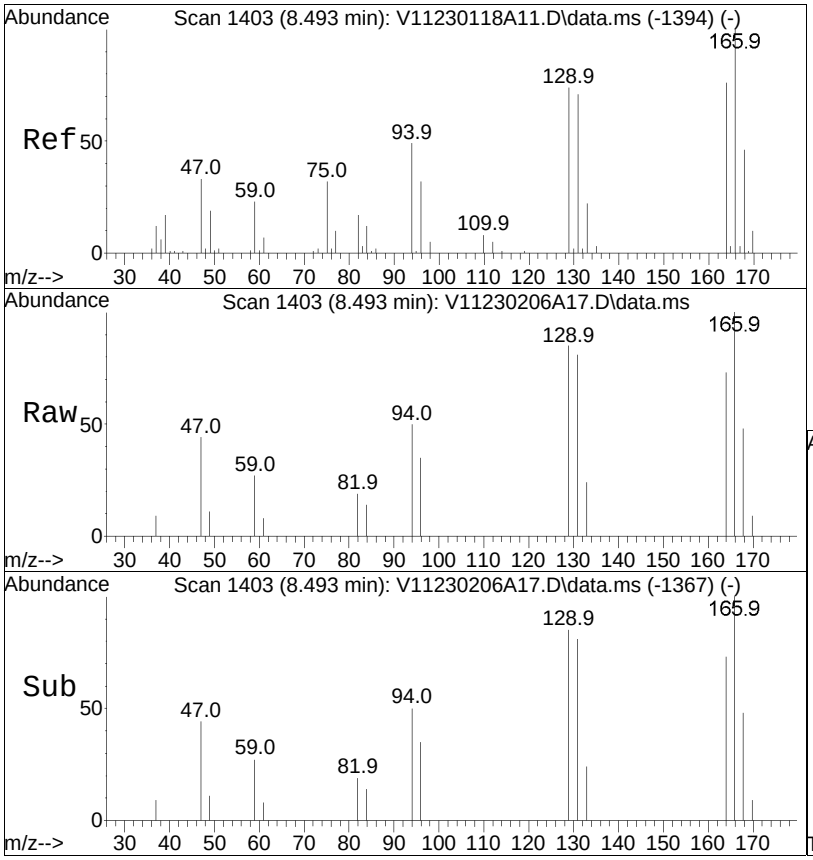


#61
Toluene
Concen: 0.93 ug/L
RT: 8.042 min Scan# 1317
Delta R.T. -0.005 min
Lab File: V11230206A17.D
Acq: 06 Feb 2023 03:32 pm

Tgt Ion: 92 Resp: 1769

Ion	Ratio	Lower	Upper
92	100		
91	181.2	133.7	200.5

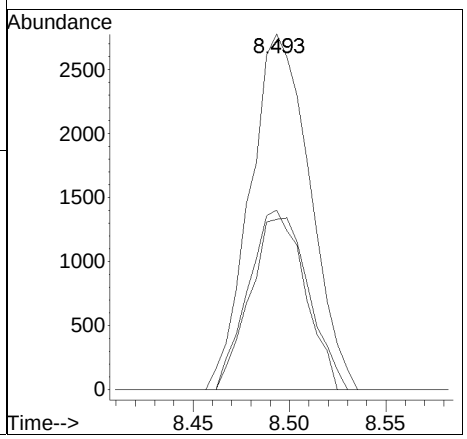


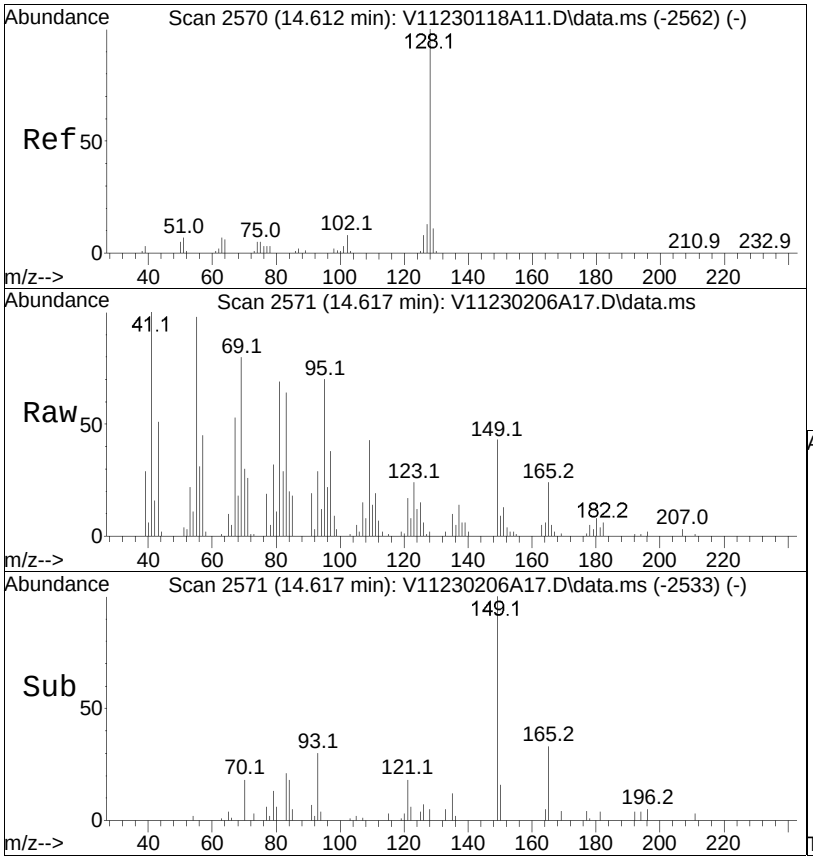


#63
Tetrachloroethene
Concen: 8.55 ug/L
RT: 8.493 min Scan# 1403
Delta R.T. -0.011 min
Lab File: V11230206A17.D
Acq: 06 Feb 2023 03:32 pm

Tgt Ion:166 Resp: 5979

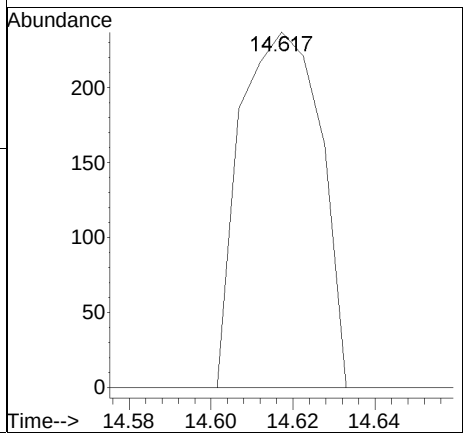
Ion	Ratio	Lower	Upper
166	100		
168	47.6	28.2	68.2
94	47.3	26.3	66.3





#110
Naphthalene
Concen: 0.14 ug/L
RT: 14.617 min Scan# 2571
Delta R.T. 0.000 min
Lab File: V11230206A17.D
Acq: 06 Feb 2023 03:32 pm

Tgt Ion:128 Resp: 322



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2	QMethod	: V111_230118_8260.m
Data File	: V11230206A17.D	Operator	: VOA111:AJK
Date Inj'd	: 2/6/2023 3:32 pm	Instrument	: VOA111
Sample	: L2305912-01,31,4.30,5,,y	Quant Date	: 2/6/2023 4:23 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A13.D
Acq On : 06 Feb 2023 01:02 pm
Operator : VOA122:PID
Sample : L2305912-02,31,10,10,,A
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 06 13:28:01 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230206A\V22230206A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.292	96	242003	10.000 ug/L	0.00
Standard Area 1 = 308167			Recovery =	78.53%	
62) Chlorobenzene-d5	9.874	117	224981	10.000 ug/L	0.00
Standard Area 1 = 247621			Recovery =	90.86%	
83) 1,4-Dichlorobenzene-d4	12.508	152	127823	10.000 ug/L	0.00
Standard Area 1 = 143234			Recovery =	89.24%	
System Monitoring Compounds					
38) Dibromofluoromethane	5.460	113	95694	12.440 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	124.40%	
46) 1,2-Dichloroethane-d4	6.004	65	107402	12.260 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	122.60%	
63) Toluene-d8	8.009	98	297090	10.080 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.80%	
87) 4-Bromofluorobenzene	11.325	95	131132	10.578 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	105.78%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	0.000		0	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	3.160	76	179	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	0.000		0	N.D.	d
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) 2,2-Dichloropropane	0.000		0	N.D.	
32) Bromochloromethane	0.000		0	N.D.	
34) Chloroform	0.000		0	N.D.	

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A13.D
Acq On : 06 Feb 2023 01:02 pm
Operator : VOA122:PID
Sample : L2305912-02,31,10,10,,A
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 06 13:28:01 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230206A\V22230206A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0		N.D.	
39) 1,1,1-Trichloroethane	0.000		0		N.D.	
41) 2-Butanone	0.000		0		N.D.	
42) 1,1-Dichloropropene	0.000		0		N.D.	
44) Benzene	0.000		0		N.D.	
47) 1,2-Dichloroethane	0.000		0		N.D.	
51) Trichloroethene	6.425	95	154		N.D.	
53) Dibromomethane	0.000		0		N.D.	
54) 1,2-Dichloropropane	0.000		0		N.D.	
57) Bromodichloromethane	0.000		0		N.D.	
60) 1,4-Dioxane	0.000		0		N.D.	
61) cis-1,3-Dichloropropene	0.000		0		N.D.	
64) Toluene	8.075	92	258		N.D.	
65) 4-Methyl-2-pentanone	0.000		0		N.D.	
66) Tetrachloroethene	0.000		0		N.D.	
68) trans-1,3-Dichloropropene	0.000		0		N.D.	
71) 1,1,2-Trichloroethane	0.000		0		N.D.	
72) Chlorodibromomethane	0.000		0		N.D.	
73) 1,3-Dichloropropane	0.000		0		N.D.	
74) 1,2-Dibromoethane	0.000		0		N.D.	
76) 2-Hexanone	0.000		0		N.D.	
77) Chlorobenzene	0.000		0		N.D.	
78) Ethylbenzene	9.866	91	552		N.D.	
79) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
80) p/m Xylene	0.000		0		N.D.	
81) o Xylene	0.000		0		N.D.	
82) Styrene	0.000		0		N.D.	
84) Bromoform	0.000		0		N.D.	
86) Isopropylbenzene	0.000		0		N.D.	
88) Bromobenzene	0.000		0		N.D.	
89) n-Propylbenzene	11.325	91	567		N.D.	
91) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
92) 4-Ethyltoluene	0.000		0		N.D.	
93) 2-Chlorotoluene	0.000		0		N.D.	
94) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
95) 1,2,3-Trichloropropane	0.000		0		N.D.	
96) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
97) 4-Chlorotoluene	0.000		0		N.D.	
98) tert-Butylbenzene	0.000		0		N.D.	

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A13.D
Acq On : 06 Feb 2023 01:02 pm
Operator : VOA122:PID
Sample : L2305912-02,31,10,10,,A
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 06 13:28:01 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230206A\V22230206A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
102) sec-Butylbenzene	0.000		0		N.D.	
103) p-Isopropyltoluene	0.000		0		N.D.	
104) 1,3-Dichlorobenzene	0.000		0		N.D.	
105) 1,4-Dichlorobenzene	0.000		0		N.D.	
106) p-Diethylbenzene	0.000		0		N.D.	
107) n-Butylbenzene	0.000		0		N.D.	
108) 1,2-Dichlorobenzene	0.000		0		N.D.	
109) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
110) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
112) Hexachlorobutadiene	0.000		0		N.D.	
113) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
114) Naphthalene	0.000		0		N.D.	
115) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

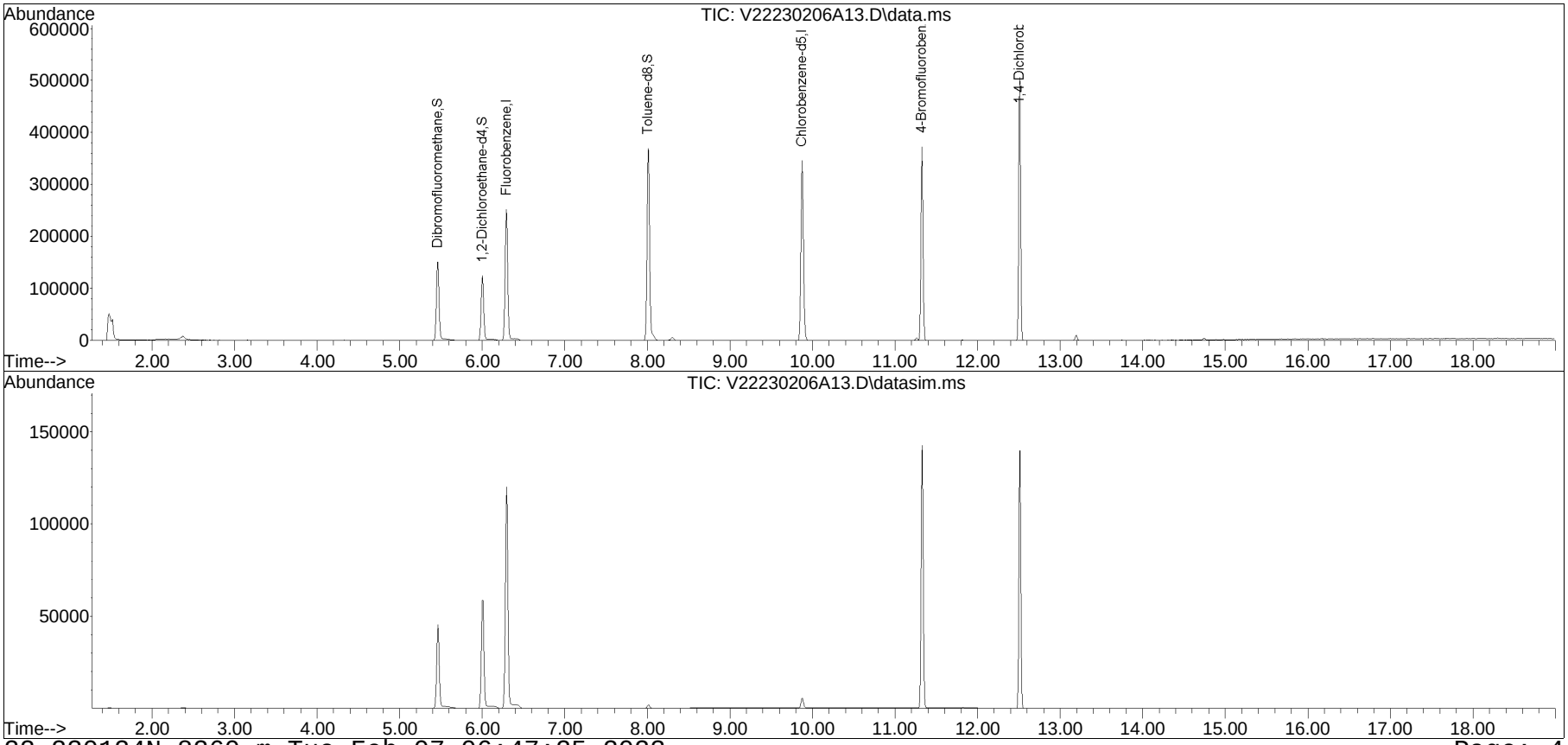
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A13.D
Acq On : 06 Feb 2023 01:02 pm
Operator : VOA122:PID
Sample : L2305912-02,31,10,10,,A
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 06 13:28:01 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox30206A\V22230206A01.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2023\2Q	Method	: V122_230124N_8260.m
Data File	: V22230206A13.D	Operator	: VOA122:PID
Date Inj'd	: 2/6/2023 1:02 pm	Instrument	: VOA122
Sample	: L2305912-02,31,10,10,,A	Quant Date	: 2/6/2023 1:27 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A14.D
Acq On : 06 Feb 2023 01:27 pm
Operator : VOA122:PID
Sample : L2305912-03,31,10,10,,A
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 06 13:48:07 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230206A\V22230206A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.292	96	250538	10.000	ug/L	0.00
Standard Area 1 = 308167			Recovery = 81.30%			
62) Chlorobenzene-d5	9.874	117	230536	10.000	ug/L	0.00
Standard Area 1 = 247621			Recovery = 93.10%			
83) 1,4-Dichlorobenzene-d4	12.508	152	130975	10.000	ug/L	0.00
Standard Area 1 = 143234			Recovery = 91.44%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.460	113	98601	12.381	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 123.81%			
46) 1,2-Dichloroethane-d4	6.004	65	111546	12.299	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 122.99%			
63) Toluene-d8	8.009	98	301385	9.980	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.80%			
87) 4-Bromofluorobenzene	11.325	95	134348	10.577	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.77%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.	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	3.160	76	271	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
31) 2,2-Dichloropropane	0.000		0	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
34) Chloroform	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A14.D
Acq On : 06 Feb 2023 01:27 pm
Operator : VOA122:PID
Sample : L2305912-03,31,10,10,,A
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 06 13:48:07 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230206A\V22230206A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0	N.D.		
39) 1,1,1-Trichloroethane	0.000		0	N.D.		
41) 2-Butanone	0.000		0	N.D.		
42) 1,1-Dichloropropene	0.000		0	N.D.		
44) Benzene	0.000		0	N.D.		
47) 1,2-Dichloroethane	6.078	62	67	N.D.		
51) Trichloroethene	0.000		0	N.D.	d	
53) Dibromomethane	0.000		0	N.D.		
54) 1,2-Dichloropropane	0.000		0	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
60) 1,4-Dioxane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	0.000		0	N.D.		
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	0.000		0	N.D.		
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D.		
72) Chlorodibromomethane	0.000		0	N.D.		
73) 1,3-Dichloropropane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.		
77) Chlorobenzene	0.000		0	N.D.		
78) Ethylbenzene	9.874	91	484	N.D.		
79) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
80) p/m Xylene	0.000		0	N.D.		
81) o Xylene	0.000		0	N.D.		
82) Styrene	0.000		0	N.D.		
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	0.000		0	N.D.		
88) Bromobenzene	0.000		0	N.D.		
89) n-Propylbenzene	11.325	91	542	N.D.		
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
92) 4-Ethyltoluene	0.000		0	N.D.		
93) 2-Chlorotoluene	0.000		0	N.D.		
94) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
95) 1,2,3-Trichloropropane	0.000		0	N.D.		
96) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
97) 4-Chlorotoluene	0.000		0	N.D.		
98) tert-Butylbenzene	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A14.D
Acq On : 06 Feb 2023 01:27 pm
Operator : VOA122:PID
Sample : L2305912-03,31,10,10,,A
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 06 13:48:07 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230206A\V22230206A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
102) sec-Butylbenzene	0.000		0		N.D.	
103) p-Isopropyltoluene	0.000		0		N.D.	
104) 1,3-Dichlorobenzene	0.000		0		N.D.	
105) 1,4-Dichlorobenzene	0.000		0		N.D.	
106) p-Diethylbenzene	0.000		0		N.D.	
107) n-Butylbenzene	0.000		0		N.D.	
108) 1,2-Dichlorobenzene	0.000		0		N.D.	
109) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
110) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
112) Hexachlorobutadiene	0.000		0		N.D.	
113) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
114) Naphthalene	0.000		0		N.D.	
115) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

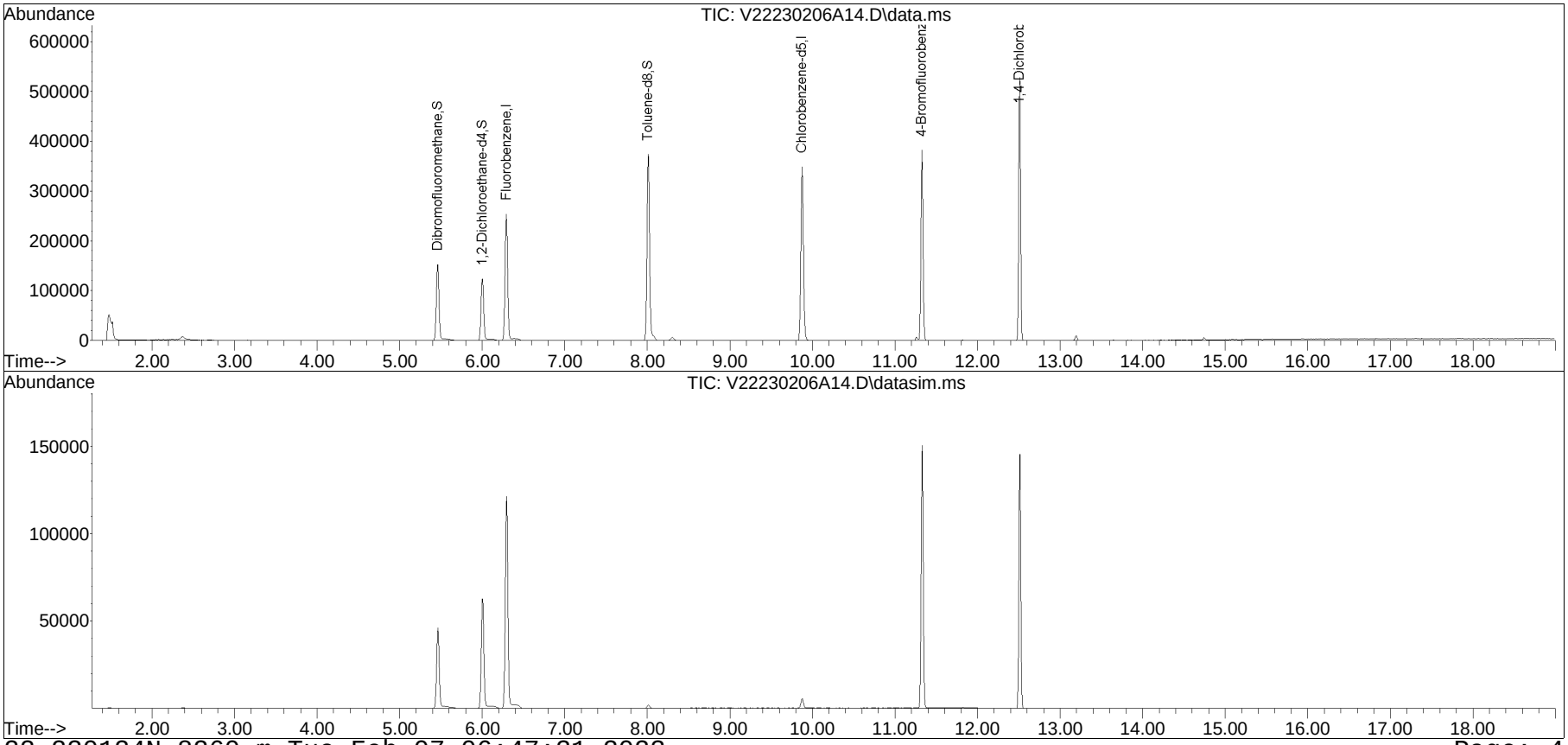
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A14.D
Acq On : 06 Feb 2023 01:27 pm
Operator : VOA122:PID
Sample : L2305912-03,31,10,10,,A
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 06 13:48:07 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox30206A\V22230206A01.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2023\2Q	Method	: V122_230124N_8260.m
Data File	: V22230206A14.D	Operator	: VOA122:PID
Date Inj'd	: 2/6/2023 1:27 pm	Instrument	: VOA122
Sample	: L2305912-03,31,10,10,,A	Quant Date	: 2/6/2023 1:48 pm

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

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2305912**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA111**	**Ical Ref**	**: ICAL19665**
Calibration dates	**: 01/18/23 11:38 01/18/23 16:33**		

Calibration Files

L1 =V11230118A05.D L2 =V11230118A09.D L3 =V11230118A10.D L4 =V11230118A11.D L1.5=V11230118A07.D

L6 =V11230118A12.D L7 =V11230118A13.D L8 =V11230118A14.D L0 =V11230118A03.D

		Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------										
2)	TP	Dichlorodifluoromethane		0.264	0.161	0.188	0.241	0.249	0.272	0.262		0.234	18.19
3)	TP	Chloromethane	0.240	0.302	0.224	0.246	0.309	0.287	0.293	0.283		0.273	11.56
4)	TC	Vinyl chloride	0.263	0.402	0.273	0.293	0.381	0.365	0.368	0.347		0.337	15.67
5)	TP	Bromomethane	0.401	0.463	0.320	0.314	0.462	0.340	0.331	0.328		0.370	17.06
6)	TP	Chloroethane	0.107	0.175	0.133	0.146	0.151	0.187				0.150	19.13
7)	TP	Trichlorofluoromethane		0.351	0.231	0.265	0.314	0.355	0.396	0.414		*Q	0.9968
8)	TP	Ethyl ether	0.077	0.099	0.087	0.099	0.096	0.109	0.115	0.114		0.100	13.25
10)	TP	1,1-Dichloroethene	0.158	0.217	0.152	0.169	0.201	0.220	0.238	0.243		0.200	17.97
11)	TP	Carbon disulfide		0.490	0.334	0.362	0.526	0.452	0.480	0.482		0.446	15.98
12)	TP	Freon-113		0.231	0.150	0.168	0.207	0.235	0.262	0.261		*Q	0.9946
14)	TP	Acrolein			0.020	0.023		0.029	0.031	0.030		0.027	16.98
15)	TP	Methylene chloride	0.382	0.303	0.230	0.245	0.324	0.272	0.280	0.280		0.289	16.51
17)	TP	Acetone		0.077	0.054	0.061	0.087	0.068	0.066	0.062		0.068	16.03
18)	TP	trans-1,2-Dichloroethene	0.185	0.252	0.196	0.211	0.250	0.258	0.276	0.278		0.238	15.07
19)	TP	Methyl acetate		0.133	0.112	0.121	0.133	0.137	0.143	0.137		0.131	8.33
20)	TP	Methyl tert-butyl ether	0.553	0.553	0.472	0.531	0.551	0.596	0.623	0.615		0.562	8.77
21)	TP	tert-Butyl alcohol		0.022	0.019	0.022	0.018	0.025	0.025	0.024		0.022	11.99
22)	TP	Diisopropyl ether	0.665	0.743	0.627	0.714	0.727	0.806	0.838	0.824		0.743	10.22
23)	TC	1,1-Dichloroethane	0.376	0.451	0.363	0.396	0.444	0.461	0.481	0.475		0.431	10.67
24)	TP	Halothane		0.191	0.134	0.148	0.179	0.189	0.207	0.208		0.180	15.93
25)	TP	Acrylonitrile		0.056	0.050	0.057	0.040	0.065	0.067	0.064		0.057	16.55
26)	TP	Ethyl tert-butyl ether	0.668	0.702	0.621	0.701	0.704	0.798	0.835	0.831		0.732	10.81
27)	TP	Vinyl acetate		0.450	0.408	0.451	0.462	0.490	0.533	0.509		0.472	8.89
28)	TP	cis-1,2-Dichloroethene	0.230	0.271	0.228	0.252	0.274	0.292	0.305	0.307		0.270	11.52
29)	TP	2,2-Dichloropropane	0.297	0.381	0.276	0.300	0.378	0.380	0.406	0.402		0.353	14.83
30)	TP	Bromochloromethane	0.095	0.130	0.112	0.120	0.122	0.135	0.141	0.147		0.125	13.47
31)	TP	Cyclohexane		0.361	0.243	0.278	0.346	0.403	0.446	0.441		*Q	0.9935
32)	TC	Chloroform	0.387	0.469	0.389	0.415	0.467	0.489	0.504	0.512		0.454	11.05
33)	TP	Ethyl acetate		0.196	0.166	0.189		0.213	0.217	0.206		0.198	9.57
34)	TP	Carbon tetrachloride	0.237	0.339	0.229	0.256	0.322	0.341	0.379	0.382		0.310	19.91
35)	TP	Tetrahydrofuran		0.052	0.044	0.051		0.058	0.059	0.053		0.053	9.86
36)	S	Dibromofluoromethane	0.256	0.259	0.251	0.254	0.257	0.255	0.258	0.262	0.257	0.257	1.22
37)	TP	1,1,1-Trichloroethane	0.296	0.371	0.267	0.292	0.356	0.374	0.404	0.402	0.281	0.338	15.96
39)	TP	2-Butanone		0.091	0.074	0.085		0.097	0.094	0.088		0.088	9.28
40)	TP	1,1-Dichloropropene	0.227	0.307	0.219	0.251	0.309	0.328	0.353	0.350	0.201	*Q	0.9959

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2305912**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA111**	**Ical Ref**	**: ICAL19665**
Calibration dates	**: 01/18/23 11:38 01/18/23 16:33**		

Calibration Files

L1 =V11230118A05.D L2 =V11230118A09.D L3 =V11230118A10.D L4 =V11230118A11.D L1.5=V11230118A07.D

L6 =V11230118A12.D L7 =V11230118A13.D L8 =V11230118A14.D L0 =V11230118A03.D

	Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
41) TP	Benzene	0.844	0.999	0.798	0.868	1.001	1.013	1.062	1.060	0.860	0.945	10.74
42) TP	tert-Amyl methyl ether	0.628	0.643	0.563	0.648	0.641	0.731	0.759	0.746		0.670	10.20
43) S	1,2-Dichloroethane-d4	0.260	0.255	0.252	0.251	0.253	0.252	0.254	0.255	0.257	0.254	1.10
44) TP	1,2-Dichloroethane	0.320	0.328	0.274	0.303	0.332	0.333	0.340	0.332		0.320	6.78
47) TP	Methyl cyclohexane	0.272	0.377	0.261	0.300	0.359	0.440	0.492	0.495		*Q	0.9941
48) TP	Trichloroethene	0.189	0.261	0.198	0.220	0.257	0.275	0.296	0.302	0.183	0.242	18.92
50) TP	Dibromomethane	0.130	0.149	0.130	0.146	0.152	0.163	0.170	0.167		0.151	10.12
51) TC	1,2-Dichloropropane	0.194	0.257	0.217	0.240	0.250	0.270	0.280	0.274		0.248	12.00
53) TP	2-Chloroethyl vinyl ether		0.088	0.076	0.091	0.080	0.110	0.118	0.114		0.097	17.67
54) TP	Bromodichloromethane	0.325	0.355	0.299	0.333	0.362	0.377	0.392	0.388	0.288	0.347	10.88
57) TP	1,4-Dioxane		0.002	0.002	0.002	0.001	0.002	0.002	0.002		*L	0.9993
58) TP	cis-1,3-Dichloropropene	0.362	0.399	0.344	0.390	0.387	0.442	0.463	0.459	0.302	0.394	13.70
59) I	Chlorobenzene-d5	----------ISTD----------										
60) S	Toluene-d8	1.315	1.307	1.321	1.296	1.299	1.294	1.271	1.271	1.294	1.296	1.33
61) TC	Toluene	0.669	0.790	0.642	0.693	0.809	0.836	0.868	0.876		0.773	11.92
62) TP	4-Methyl-2-pentanone		0.076	0.075	0.090	0.056	0.104	0.106	0.103		*L	0.9975
63) TP	Tetrachloroethene	0.214	0.308	0.236	0.254	0.305	0.337	0.361	0.373	0.222	*Q	0.9971
65) TP	trans-1,3-Dichloropropene	0.431	0.474	0.415	0.466	0.458	0.530	0.539	0.533		0.481	10.01
67) TP	Ethyl methacrylate	0.313	0.310	0.288	0.334	0.308	0.388	0.406	0.400		0.343	13.68
68) TP	1,1,2-Trichloroethane	0.207	0.228	0.201	0.223	0.234	0.246	0.251	0.247		0.230	8.11
69) TP	Chlorodibromomethane	0.303	0.326	0.284	0.313	0.325	0.359	0.370	0.368	0.265	0.324	11.41
70) TP	1,3-Dichloropropane	0.434	0.465	0.406	0.447	0.464	0.505	0.504	0.490		0.464	7.50
71) TP	1,2-Dibromoethane	0.219	0.270	0.236	0.258	0.264	0.294	0.302	0.294	0.189	0.258	14.69
72) TP	2-Hexanone	0.136	0.167	0.141	0.168	0.150	0.196	0.194	0.182		0.167	13.82
73) TP	Chlorobenzene	0.775	0.915	0.776	0.841	0.945	0.974	1.005	1.013	0.884	0.903	10.08
74) TC	Ethylbenzene	1.221	1.434	1.191	1.304	1.501	1.629	1.691	1.680		1.456	13.90
75) TP	1,1,1,2-Tetrachloroethane	0.279	0.319	0.278	0.306	0.308	0.356	0.365	0.366	0.208	0.309	16.49
76) TP	p/m Xylene	0.471	0.536	0.462	0.511	0.537	0.633	0.666	0.688	0.488	0.555	15.48
77) TP	o Xylene	0.454	0.517	0.457	0.500	0.520	0.616	0.647	0.659	0.455	0.536	15.50
78) TP	Styrene	0.735	0.842	0.778	0.877	0.834	1.070	1.107	1.120	0.785	0.905	16.74
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------										
80) TP	Bromoform	0.319	0.361	0.332	0.380	0.369	0.439	0.484	0.515		0.400	17.93
82) TP	Isopropylbenzene	2.189	2.621	2.192	2.358	2.702	3.000	3.226	3.386		2.709	16.96
83) S	4-Bromofluorobenzene	0.857	0.837	0.844	0.826	0.834	0.829	0.833	0.856	0.874	0.843	1.90
84) TP	Bromobenzene	0.628	0.721	0.621	0.668	0.722	0.760	0.807	0.844		0.721	11.18
85) TP	n-Propylbenzene	2.891	3.239	2.712	2.945	3.457	3.726	3.979	4.142		3.386	15.63

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2305912**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA111**	**Ical Ref**	**: ICAL19665**
Calibration dates	**: 01/18/23 11:38 01/18/23 16:33**		

Calibration Files

L1 =V11230118A05.D L2 =V11230118A09.D L3 =V11230118A10.D L4 =V11230118A11.D L1.5=V11230118A07.D

L6 =V11230118A12.D L7 =V11230118A13.D L8 =V11230118A14.D L0 =V11230118A03.D

	Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
86) TP	1,4-Dichlorobutane	0.793	0.830	0.692	0.770	0.828	0.870	0.895	0.905		0.823	8.58
87) TP	1,1,2,2-Tetrachloroethane	0.701	0.711	0.594	0.641	0.706	0.711	0.736	0.727	0.582	0.679	8.55
88) TP	4-Ethyltoluene	2.200	2.587	2.254	2.430	2.732	3.019	3.184	3.307		2.714	15.50
89) TP	2-Chlorotoluene	1.809	1.922	1.690	1.784	2.097	2.102	2.199	2.288		1.986	10.88
90) TP	1,3,5-Trimethylbenzene	1.939	2.129	1.926	2.086	2.212	2.564	2.737	2.886		2.310	16.00
91) TP	1,2,3-Trichloropropane	0.510	0.544	0.450	0.503	0.515	0.560	0.585	0.593		0.532	8.90
92) TP	trans-1,4-Dichloro-2-b...	0.123	0.190	0.161	0.184	0.157	0.200	0.204	0.201		0.177	16.00
93) TP	4-Chlorotoluene	1.830	1.972	1.756	1.939	2.087	2.246	2.301	2.385		2.064	11.08
94) TP	tert-Butylbenzene	1.660	1.882	1.551	1.704	1.883	2.168	2.332	2.422		1.950	16.55
97) TP	1,2,4-Trimethylbenzene	1.822	2.154	1.946	2.158	2.260	2.575	2.700	2.786		2.300	15.32
98) TP	sec-Butylbenzene	2.335	2.826	2.357	2.594	2.928	3.363	3.564	3.655		2.953	17.73
99) TP	p-Isopropyltoluene	2.017	2.303	2.014	2.231	2.480	2.888	3.056	3.169		2.520	18.28
100) TP	1,3-Dichlorobenzene	1.253	1.361	1.200	1.315	1.400	1.507	1.540	1.600		1.397	10.18
101) TP	1,4-Dichlorobenzene	1.355	1.448	1.224	1.330	1.480	1.511	1.546	1.585		1.435	8.52
102) TP	p-Diethylbenzene	1.191	1.401	1.240	1.367	1.414	1.736	1.846	1.910		1.513	18.35
103) TP	n-Butylbenzene	1.892	2.194	1.908	2.088	2.280	2.672	2.742	2.815		2.324	16.02
104) TP	1,2-Dichlorobenzene	1.223	1.295	1.134	1.263	1.325	1.420	1.454	1.462		1.322	8.86
105) TP	1,2,4,5-Tetramethylben...	1.947	2.065	1.984	2.246	2.207	2.687	2.841	2.929		2.363	16.75
106) TP	1,2-Dibromo-3-chloropr...		0.093	0.088	0.098	0.077	0.114	0.118	0.113		0.100	15.41
107) TP	1,3,5-Trichlorobenzene	0.855	0.893	0.829	0.900	1.000	1.051	1.081	1.112		0.965	11.34
108) TP	Hexachlorobutadiene	0.311	0.407	0.329	0.353	0.411	0.468	0.498	0.505		0.410	18.36
109) TP	1,2,4-Trichlorobenzene	0.780	0.785	0.730	0.792	0.829	0.906	0.922	0.924		0.834	8.95
110) TP	Naphthalene	1.895	1.658	1.499	1.722	1.753	1.963	1.986	1.862		1.792	9.24
111) TP	1,2,3-Trichlorobenzene	0.600	0.662	0.615	0.682	0.688	0.785	0.782	0.755		0.696	10.30

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2305912**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL19682**
Calibration dates	**: 01/24/23 18:05 01/24/23 22:09**		

Calibration Files

L11 =V22230124N03.D L1 =V22230124N05.D L2 =V22230124N07.D L3 =V22230124N09.D L4 =V22230124N10.D

L6 =V22230124N11.D L8 =V22230124N12.D L10 =V22230124N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo			0.278	0.243	0.206	0.180	0.169	0.163	*Q	0.9983
3)	TP	Chloromethane			0.259	0.215	0.182	0.162	0.156	0.146	*Q	0.9992
4)	TC	Vinyl chloride	0.139	0.145	0.188	0.158	0.139	0.126	0.134	0.139	0.146	13.33
5)	TP	Bromomethane		0.066	0.078	0.066	0.061	0.062	0.071	0.076	0.069	9.77
6)	TP	Chloroethane		0.118	0.139	0.113	0.098	0.088	0.088	0.085	0.104	19.49
7)	TP	Trichlorofluor		0.278	0.378	0.314	0.271	0.244	0.233	0.224	0.277	19.38
8)	TP	Ethyl ether		0.052	0.050	0.051	0.047	0.046	0.046	0.045	0.048	5.74
10)	TC	1,1-Dichloroet		0.143	0.179	0.149	0.127	0.117	0.117	0.114	0.135	17.53
11)	TP	Carbon disulfide		0.516	0.613	0.503	0.434	0.391	0.383	0.372	0.459	19.43
12)	TP	Freon-113		0.141	0.182	0.163	0.141	0.129	0.130	0.130	0.145	13.93
13)	TP	Iodomethane			0.097	0.132	0.141	0.148	0.149	0.148	0.136	14.76
14)	TP	Acrolein		0.014	0.021	0.017	0.014	0.014	0.013	0.013	0.015	18.12
15)	TP	Methylene chlo			0.213	0.172	0.145	0.132	0.129	0.129	*L	0.9986
17)	TP	Acetone			0.034	0.025	0.021	0.019	0.018	0.018	*L	0.9974
18)	TP	trans-1,2-Dich		0.155	0.188	0.159	0.139	0.131	0.130	0.129	0.147	14.65
19)	TP	Methyl acetate			0.064	0.049	0.045	0.043	0.042	0.041	0.047	18.58
21)	TP	Methyl tert butyl ether		0.174	0.210	0.227	0.238	0.242	0.241	0.247	0.225	11.43
22)	TP	tert-Butyl alc			0.006	0.007	0.006	0.006	0.006	0.006	0.006#	4.57
24)	TP	Diisopropyl ether		0.272	0.324	0.305	0.319	0.327	0.326	0.331	0.315	6.53
25)	TP	1,1-Dichloroet		0.350	0.403	0.342	0.295	0.268	0.263	0.257	0.311	17.74
26)	TP	Halothane		0.077	0.119	0.104	0.097	0.089	0.094	0.095	0.097	13.26
27)	TP	Acrylonitrile			0.035	0.033	0.028	0.026	0.026	0.025	0.029	13.42
28)	TP	Ethyl tert-but		0.247	0.289	0.289	0.324	0.338	0.337	0.346	0.310	11.73
29)	TP	Vinyl acetate			0.128	0.124	0.150	0.142	0.138	0.144	0.138	7.25
30)	TP	cis-1,2-Dichlo		0.165	0.211	0.171	0.152	0.142	0.139	0.139	0.160#	16.17
31)	TP	2,2-Dichloropr		0.260	0.335	0.286	0.261	0.239	0.230	0.225	0.262	14.68
32)	TP	Bromochloromet		0.087	0.077	0.071	0.061	0.058	0.056	0.055	0.066#	18.39
33)	TP	Cyclohexane		0.254	0.322	0.304	0.298	0.273	0.270	0.268	0.284	8.54
34)	TC	Chloroform		0.320	0.385	0.328	0.291	0.264	0.263	0.257	0.301	15.44
35)	TP	Ethyl acetate			0.044	0.048	0.059	0.061	0.061	0.060	0.055	13.51
36)	TP	Carbon tetrachloride	0.208	0.206	0.278	0.266	0.242	0.225	0.220	0.217	0.233	11.55
37)	TP	Tetrahydrofuran			0.020	0.021	0.017	0.017	0.016	0.016	0.018	12.48
38)	S	Dibromofluoromethane	0.368	0.373	0.366	0.330	0.296	0.272	0.269	0.268	0.318	14.81
39)	TP	1,1,1-Trichlor		0.232	0.309	0.292	0.270	0.253	0.244	0.237	0.262	11.04
41)	TP	2-Butanone			0.027	0.026	0.025	0.026	0.026	0.025	0.026	3.19

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2305912**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL19682**
Calibration dates	**: 01/24/23 18:05 01/24/23 22:09**		

Calibration Files
L11 =V22230124N03.D L1 =V22230124N05.D L2 =V22230124N07.D L3 =V22230124N09.D L4 =V22230124N10.D
L6 =V22230124N11.D L8 =V22230124N12.D L10 =V22230124N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
42) TP	1,1-Dichloropr		0.150	0.186	0.194	0.201	0.215	0.213	0.211	0.196	11.67
44) TP	Benzene	0.451	0.466	0.545	0.520	0.526	0.515	0.514	0.509	0.506	6.19
45) TP	Tertiary-Amyl Methyl Ether		0.232	0.248	0.227	0.246	0.267	0.270	0.274	0.252	7.43
46) S	1,2-Dichloroethane-d4	0.389	0.390	0.428	0.379	0.349	0.331	0.317	0.314	0.362	11.26
47) T	1,2-Dichloroet		0.223	0.252	0.205	0.201	0.190	0.180	0.173	0.203	13.33
50) TP	Methyl cyclohe		0.190	0.246	0.249	0.236	0.234	0.238	0.242	0.234	8.55
51) TP	Trichloroethene	0.151	0.158	0.157	0.157	0.161	0.160	0.156	0.154	0.157#	2.15
53) TP	Dibromomethane		0.079	0.085	0.081	0.076	0.073	0.071	0.070	0.076	7.26
54) TC	1,2-Dichloropr		0.107	0.131	0.134	0.141	0.139	0.140	0.137	0.133	9.04
56) TP	2-Chloroethyl		0.035	0.046	0.045	0.051	0.052	0.051	0.052	0.048	13.08
57) TP	Bromodichlorom		0.192	0.220	0.207	0.212	0.204	0.200	0.196	0.205#	4.77
60) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	12.22
61) TP	cis-1,3-Dichlo		0.160	0.173	0.196	0.217	0.222	0.219	0.219	0.201#	12.55
62) I	Chlorobenzene-d5	----------ISTD----------									
63) S	Toluene-d8	1.277	1.295	1.291	1.308	1.316	1.329	1.354	1.311	1.310	1.83
64) TC	Toluene		0.399	0.471	0.456	0.453	0.445	0.449	0.440	0.445	5.05
65) TP	4-Methyl-2-pen			0.017	0.019	0.021	0.022	0.022	0.021	0.020#	9.07
66) TP	Tetrachloroethene		0.166	0.182	0.166	0.174	0.175	0.177	0.176	0.174	3.38
68) TP	trans-1,3-Dich		0.187	0.208	0.235	0.281	0.299	0.301	0.285	0.257#	18.04
70) TP	Ethyl methacry		0.122	0.132	0.132	0.132	0.129	0.126	0.122	0.128	3.37
71) TP	1,1,2-Trichlor		0.067	0.071	0.085	0.100	0.106	0.107	0.106	0.092#	18.88
72) TP	Chlorodibromom		0.090	0.113	0.128	0.155	0.164	0.169	0.166	*Q	0.9989
73) TP	1,3-Dichloropr		0.141	0.170	0.189	0.225	0.238	0.241	0.235	0.206	19.10
74) TP	1,2-Dibromoethane		0.074	0.088	0.100	0.117	0.125	0.127	0.125	0.108#	19.38
76) TP	2-Hexanone		0.057	0.057	0.051	0.053	0.052	0.051	0.049	0.053	6.01
77) TP	Chlorobenzene		0.500	0.500	0.478	0.479	0.471	0.473	0.466	0.481	2.88
78) TC	Ethylbenzene		0.893	0.977	0.944	0.924	0.897	0.884	0.851	0.910	4.59
79) TP	1,1,1,2-Tetrac		0.128	0.129	0.135	0.153	0.167	0.171	0.171	0.151	13.17
80) TP	p/m Xylene		0.335	0.366	0.357	0.342	0.329	0.319	0.311	0.337	5.85
81) TP	o Xylene		0.331	0.366	0.334	0.325	0.318	0.312	0.300	0.326	6.39
82) TP	Styrene		0.518	0.564	0.549	0.543	0.532	0.514	0.491	0.530	4.61
83) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
84) TP	Bromoform		0.106	0.114	0.145	0.169	0.186	0.192	0.199	*Q	0.9993
86) TP	Isopropylbenzene		1.481	1.682	1.722	1.699	1.644	1.642	1.654	1.646	4.78
87) S	4-Bromofluorobenzene	0.958	0.991	0.967	0.984	0.973	0.949	0.968	0.969	0.970	1.36
88) TP	Bromobenzene		0.395	0.360	0.362	0.363	0.351	0.355	0.360	0.364	4.01

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2305912**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL19682**
Calibration dates	**: 01/24/23 18:05 01/24/23 22:09**		

Calibration Files
L11 =V22230124N03.D L1 =V22230124N05.D L2 =V22230124N07.D L3 =V22230124N09.D L4 =V22230124N10.D
L6 =V22230124N11.D L8 =V22230124N12.D L10 =V22230124N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
89) TP	n-Propylbenzene		1.977	2.158	2.112	2.088	2.006	2.012	1.948	2.043	3.77
90) TP	1,4-Dichlorobu		0.341	0.333	0.342	0.369	0.375	0.378	0.375	0.359	5.41
91) TP	1,1,2,2-Tetrac		0.162	0.177	0.185	0.210	0.213	0.219	0.230	0.199#	12.46
92) TP	4-Ethyltoluene		1.553	1.754	1.730	1.673	1.628	1.650	1.611	1.657	4.19
93) TP	2-Chlorotoluene		1.131	1.234	1.227	1.195	1.161	1.186	1.171	1.186	3.07
94) TP	1,3,5-Trimethy		1.184	1.320	1.361	1.431	1.400	1.412	1.381	1.356	6.19
95) TP	1,2,3-Trichlor		0.185	0.178	0.179	0.194	0.196	0.204	0.209	0.192	6.20
96) TP	trans-1,4-Dich		0.062	0.059	0.072	0.077	0.076	0.076	0.077	0.071	10.50
97) TP	4-Chlorotoluene		1.185	1.320	1.309	1.294	1.247	1.249	1.225	1.261	3.86
98) TP	tert-Butylbenzene		1.202	1.505	1.478	1.405	1.379	1.389	1.371	1.390	7.01
101) TP	1,2,4-Trimethy		1.112	1.246	1.305	1.376	1.387	1.400	1.365	1.313	7.90
102) TP	sec-Butylbenzene		1.511	1.826	1.803	1.741	1.695	1.708	1.663	1.707	6.10
103) TP	p-Isopropyltol		1.189	1.445	1.491	1.480	1.436	1.446	1.412	1.414	7.26
104) TP	1,3-Dichlorobe		0.674	0.712	0.728	0.707	0.700	0.695	0.690	0.701	2.43
105) TP	1,4-Dichlorobe		0.688	0.733	0.696	0.698	0.691	0.691	0.690	0.698	2.23
106) TP	p-Diethylbenzene		0.692	0.785	0.827	0.845	0.860	0.866	0.854	0.818	7.59
107) TP	n-Butylbenzene		1.019	1.255	1.308	1.334	1.312	1.308	1.264	1.257	8.63
108) TP	1,2-Dichlorobe		0.578	0.635	0.627	0.625	0.616	0.619	0.612	0.616	2.95
109) TP	1,2,4,5-Tetram		0.944	1.045	1.059	1.089	1.117	1.154	1.176	1.083	7.17
110) TP	1,2-Dibromo-3-		0.023	0.035	0.038	0.039	0.039	0.041	0.041	0.037	16.76
111) TP	1,3,5-Trichlor		0.403	0.464	0.461	0.472	0.482	0.493	0.491	0.467	6.61
112) TP	Hexachlorobuta		0.211	0.238	0.226	0.220	0.214	0.219	0.219	0.221	4.06
113) TP	1,2,4-Trichlor		0.374	0.424	0.407	0.409	0.411	0.417	0.414	0.408	3.90
114) TP	Naphthalene		0.807	0.794	0.746	0.754	0.748	0.756	0.750	0.765	3.26
115) TP	1,2,3-Trichlor		0.340	0.367	0.356	0.356	0.346	0.353	0.346	0.352#	2.55

Response Factor Report VOA111

Method Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Method File : V111_230118_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jan 19 11:49:17 2023
Response Via : Initial Calibration

Calibration Files
L1 =V11230118A05.D L2 =V11230118A09.D L3 =V11230118A10.D L4 =V11230118A11.D L1.5=V11230118A07.D
L6 =V11230118A12.D L7 =V11230118A13.D L8 =V11230118A14.D L0 =V11230118A03.D

		Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
1)	I	Fluorobenzene	----------	----------	ISTD	----------	----------	----------	----------	----------	----------		
2)	TP	Dichlorodifluo...		0.264	0.161	0.188	0.241	0.249	0.272	0.262		0.234	18.19
3)	TP	Chloromethane	0.240	0.302	0.224	0.246	0.309	0.287	0.293	0.283		0.273	11.56
4)	TC	Vinyl chloride	0.263	0.402	0.273	0.293	0.381	0.365	0.368	0.347		0.337	15.67
5)	TP	Bromomethane	0.401	0.463	0.320	0.314	0.462	0.340	0.331	0.328		0.370	17.06
6)	TP	Chloroethane	0.107	0.175	0.133	0.146	0.151	0.187				0.150	19.13
7)	TP	Trichlorofluor...		0.351	0.231	0.265	0.314	0.355	0.396	0.414		*Q	0.9968
8)	TP	Ethyl ether	0.077	0.099	0.087	0.099	0.096	0.109	0.115	0.114		0.100	13.25
10)	TP	1,1-Dichloroet...	0.158	0.217	0.152	0.169	0.201	0.220	0.238	0.243		0.200	17.97
11)	TP	Carbon disulfide		0.490	0.334	0.362	0.526	0.452	0.480	0.482		0.446	15.98
12)	TP	Freon-113		0.231	0.150	0.168	0.207	0.235	0.262	0.261		*Q	0.9946
14)	TP	Acrolein			0.020	0.023		0.029	0.031	0.030		0.027	16.98
15)	TP	Methylene chlo...	0.382	0.303	0.230	0.245	0.324	0.272	0.280	0.280		0.289	16.51
17)	TP	Acetone		0.077	0.054	0.061	0.087	0.068	0.066	0.062		0.068	16.03
18)	TP	trans-1,2-Dich...	0.185	0.252	0.196	0.211	0.250	0.258	0.276	0.278		0.238	15.07
19)	TP	Methyl acetate		0.133	0.112	0.121	0.133	0.137	0.143	0.137		0.131	8.33
20)	TP	Methyl tert-bu...	0.553	0.553	0.472	0.531	0.551	0.596	0.623	0.615		0.562	8.77
21)	TP	tert-Butyl alc...		0.022	0.019	0.022	0.018	0.025	0.025	0.024		0.022	11.99
22)	TP	Diisopropyl ether	0.665	0.743	0.627	0.714	0.727	0.806	0.838	0.824		0.743	10.22
23)	TC	1,1-Dichloroet...	0.376	0.451	0.363	0.396	0.444	0.461	0.481	0.475		0.431	10.67
24)	TP	Halothane		0.191	0.134	0.148	0.179	0.189	0.207	0.208		0.180	15.93
25)	TP	Acrylonitrile		0.056	0.050	0.057	0.040	0.065	0.067	0.064		0.057	16.55
26)	TP	Ethyl tert-but...	0.668	0.702	0.621	0.701	0.704	0.798	0.835	0.831		0.732	10.81
27)	TP	Vinyl acetate		0.450	0.408	0.451	0.462	0.490	0.533	0.509		0.472	8.89
28)	TP	cis-1,2-Dichlo...	0.230	0.271	0.228	0.252	0.274	0.292	0.305	0.307		0.270	11.52
29)	TP	2,2-Dichloropr...	0.297	0.381	0.276	0.300	0.378	0.380	0.406	0.402		0.353	14.83
30)	TP	Bromochloromet...	0.095	0.130	0.112	0.120	0.122	0.135	0.141	0.147		0.125	13.47
31)	TP	Cyclohexane		0.361	0.243	0.278	0.346	0.403	0.446	0.441		*Q	0.9935
32)	TC	Chloroform	0.387	0.469	0.389	0.415	0.467	0.489	0.504	0.512		0.454	11.05
33)	TP	Ethyl acetate		0.196	0.166	0.189		0.213	0.217	0.206		0.198	9.57
34)	TP	Carbon tetrach...	0.237	0.339	0.229	0.256	0.322	0.341	0.379	0.382		0.310	19.91

Response Factor Report VOA111

Method Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Method File : V111_230118_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jan 19 11:49:17 2023
Response Via : Initial Calibration

Calibration Files
L1 =V11230118A05.D L2 =V11230118A09.D L3 =V11230118A10.D L4 =V11230118A11.D L1.5=V11230118A07.D
L6 =V11230118A12.D L7 =V11230118A13.D L8 =V11230118A14.D L0 =V11230118A03.D

		Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
35)	TP	Tetrahydrofuran		0.052	0.044	0.051		0.058	0.059	0.053		0.053	9.86
36)	S	Dibromofluorom...	0.256	0.259	0.251	0.254	0.257	0.255	0.258	0.262	0.257	0.257	1.22
37)	TP	1,1,1-Trichlor...	0.296	0.371	0.267	0.292	0.356	0.374	0.404	0.402	0.281	0.338	15.96
39)	TP	2-Butanone		0.091	0.074	0.085		0.097	0.094	0.088		0.088	9.28
40)	TP	1,1-Dichloropr...	0.227	0.307	0.219	0.251	0.309	0.328	0.353	0.350	0.201	*Q	0.9959
41)	TP	Benzene	0.844	0.999	0.798	0.868	1.001	1.013	1.062	1.060	0.860	0.945	10.74
42)	TP	tert-Amyl meth...	0.628	0.643	0.563	0.648	0.641	0.731	0.759	0.746		0.670	10.20
43)	S	1,2-Dichloroet...	0.260	0.255	0.252	0.251	0.253	0.252	0.254	0.255	0.257	0.254	1.10
44)	TP	1,2-Dichloroet...	0.320	0.328	0.274	0.303	0.332	0.333	0.340	0.332		0.320	6.78
47)	TP	Methyl cyclohe...	0.272	0.377	0.261	0.300	0.359	0.440	0.492	0.495		*Q	0.9941
48)	TP	Trichloroethene	0.189	0.261	0.198	0.220	0.257	0.275	0.296	0.302	0.183	0.242	18.92
50)	TP	Dibromomethane	0.130	0.149	0.130	0.146	0.152	0.163	0.170	0.167		0.151	10.12
51)	TC	1,2-Dichloropr...	0.194	0.257	0.217	0.240	0.250	0.270	0.280	0.274		0.248	12.00
53)	TP	2-Chloroethyl ...		0.088	0.076	0.091	0.080	0.110	0.118	0.114		0.097	17.67
54)	TP	Bromodichlorom...	0.325	0.355	0.299	0.333	0.362	0.377	0.392	0.388	0.288	0.347	10.88
57)	TP	1,4-Dioxane		0.002	0.002	0.002	0.001	0.002	0.002	0.002		*L	0.9993
58)	TP	cis-1,3-Dichlo...	0.362	0.399	0.344	0.390	0.387	0.442	0.463	0.459	0.302	0.394	13.70
59)	I	Chlorobenzene-d5	----------	ISTD	----------								
60)	S	Toluene-d8	1.315	1.307	1.321	1.296	1.299	1.294	1.271	1.271	1.294	1.296	1.33
61)	TC	Toluene	0.669	0.790	0.642	0.693	0.809	0.836	0.868	0.876		0.773	11.92
62)	TP	4-Methyl-2-pen...		0.076	0.075	0.090	0.056	0.104	0.106	0.103		*L	0.9975
63)	TP	Tetrachloroethene	0.214	0.308	0.236	0.254	0.305	0.337	0.361	0.373	0.222	*Q	0.9971
65)	TP	trans-1,3-Dich...	0.431	0.474	0.415	0.466	0.458	0.530	0.539	0.533		0.481	10.01
67)	TP	Ethyl methacry...	0.313	0.310	0.288	0.334	0.308	0.388	0.406	0.400		0.343	13.68
68)	TP	1,1,2-Trichlor...	0.207	0.228	0.201	0.223	0.234	0.246	0.251	0.247		0.230	8.11
69)	TP	Chlorodibromom...	0.303	0.326	0.284	0.313	0.325	0.359	0.370	0.368	0.265	0.324	11.41
70)	TP	1,3-Dichloropr...	0.434	0.465	0.406	0.447	0.464	0.505	0.504	0.490		0.464	7.50
71)	TP	1,2-Dibromoethane	0.219	0.270	0.236	0.258	0.264	0.294	0.302	0.294	0.189	0.258	14.69
72)	TP	2-Hexanone	0.136	0.167	0.141	0.168	0.150	0.196	0.194	0.182		0.167	13.82
73)	TP	Chlorobenzene	0.775	0.915	0.776	0.841	0.945	0.974	1.005	1.013	0.884	0.903	10.08
74)	TC	Ethylbenzene	1.221	1.434	1.191	1.304	1.501	1.629	1.691	1.680		1.456	13.90

Response Factor Report VOA111

Method Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Method File : V111_230118_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jan 19 11:49:17 2023
Response Via : Initial Calibration

Calibration Files
L1 =V11230118A05.D L2 =V11230118A09.D L3 =V11230118A10.D L4 =V11230118A11.D L1.5=V11230118A07.D
L6 =V11230118A12.D L7 =V11230118A13.D L8 =V11230118A14.D L0 =V11230118A03.D

		Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
75)	TP	1,1,1,2-Tetrac...	0.279	0.319	0.278	0.306	0.308	0.356	0.365	0.366	0.208	0.309	16.49
76)	TP	p/m Xylene	0.471	0.536	0.462	0.511	0.537	0.633	0.666	0.688	0.488	0.555	15.48
77)	TP	o Xylene	0.454	0.517	0.457	0.500	0.520	0.616	0.647	0.659	0.455	0.536	15.50
78)	TP	Styrene	0.735	0.842	0.778	0.877	0.834	1.070	1.107	1.120	0.785	0.905	16.74
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------										
80)	TP	Bromoform	0.319	0.361	0.332	0.380	0.369	0.439	0.484	0.515		0.400	17.93
82)	TP	Isopropylbenzene	2.189	2.621	2.192	2.358	2.702	3.000	3.226	3.386		2.709	16.96
83)	S	4-Bromofluorob...	0.857	0.837	0.844	0.826	0.834	0.829	0.833	0.856	0.874	0.843	1.90
84)	TP	Bromobenzene	0.628	0.721	0.621	0.668	0.722	0.760	0.807	0.844		0.721	11.18
85)	TP	n-Propylbenzene	2.891	3.239	2.712	2.945	3.457	3.726	3.979	4.142		3.386	15.63
86)	TP	1,4-Dichlorobu...	0.793	0.830	0.692	0.770	0.828	0.870	0.895	0.905		0.823	8.58
87)	TP	1,1,2,2-Tetrac...	0.701	0.711	0.594	0.641	0.706	0.711	0.736	0.727	0.582	0.679	8.55
88)	TP	4-Ethyltoluene	2.200	2.587	2.254	2.430	2.732	3.019	3.184	3.307		2.714	15.50
89)	TP	2-Chlorotoluene	1.809	1.922	1.690	1.784	2.097	2.102	2.199	2.288		1.986	10.88
90)	TP	1,3,5-Trimethy...	1.939	2.129	1.926	2.086	2.212	2.564	2.737	2.886		2.310	16.00
91)	TP	1,2,3-Trichlor...	0.510	0.544	0.450	0.503	0.515	0.560	0.585	0.593		0.532	8.90
92)	TP	trans-1,4-Dich...	0.123	0.190	0.161	0.184	0.157	0.200	0.204	0.201		0.177	16.00
93)	TP	4-Chlorotoluene	1.830	1.972	1.756	1.939	2.087	2.246	2.301	2.385		2.064	11.08
94)	TP	tert-Butylbenzene	1.660	1.882	1.551	1.704	1.883	2.168	2.332	2.422		1.950	16.55
97)	TP	1,2,4-Trimethy...	1.822	2.154	1.946	2.158	2.260	2.575	2.700	2.786		2.300	15.32
98)	TP	sec-Butylbenzene	2.335	2.826	2.357	2.594	2.928	3.363	3.564	3.655		2.953	17.73
99)	TP	p-Isopropyltol...	2.017	2.303	2.014	2.231	2.480	2.888	3.056	3.169		2.520	18.28
100)	TP	1,3-Dichlorobe...	1.253	1.361	1.200	1.315	1.400	1.507	1.540	1.600		1.397	10.18
101)	TP	1,4-Dichlorobe...	1.355	1.448	1.224	1.330	1.480	1.511	1.546	1.585		1.435	8.52
102)	TP	p-Diethylbenzene	1.191	1.401	1.240	1.367	1.414	1.736	1.846	1.910		1.513	18.35
103)	TP	n-Butylbenzene	1.892	2.194	1.908	2.088	2.280	2.672	2.742	2.815		2.324	16.02
104)	TP	1,2-Dichlorobe...	1.223	1.295	1.134	1.263	1.325	1.420	1.454	1.462		1.322	8.86
105)	TP	1,2,4,5-Tetram...	1.947	2.065	1.984	2.246	2.207	2.687	2.841	2.929		2.363	16.75
106)	TP	1,2-Dibromo-3-...		0.093	0.088	0.098	0.077	0.114	0.118	0.113		0.100	15.41
107)	TP	1,3,5-Trichlor...	0.855	0.893	0.829	0.900	1.000	1.051	1.081	1.112		0.965	11.34
108)	TP	Hexachlorobuta...	0.311	0.407	0.329	0.353	0.411	0.468	0.498	0.505		0.410	18.36

Method Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Method File : V111_230118_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jan 19 11:49:17 2023
Response Via : Initial Calibration

Calibration Files
L1 =V11230118A05.D L2 =V11230118A09.D L3 =V11230118A10.D L4 =V11230118A11.D L1.5=V11230118A07.D
L6 =V11230118A12.D L7 =V11230118A13.D L8 =V11230118A14.D L0 =V11230118A03.D

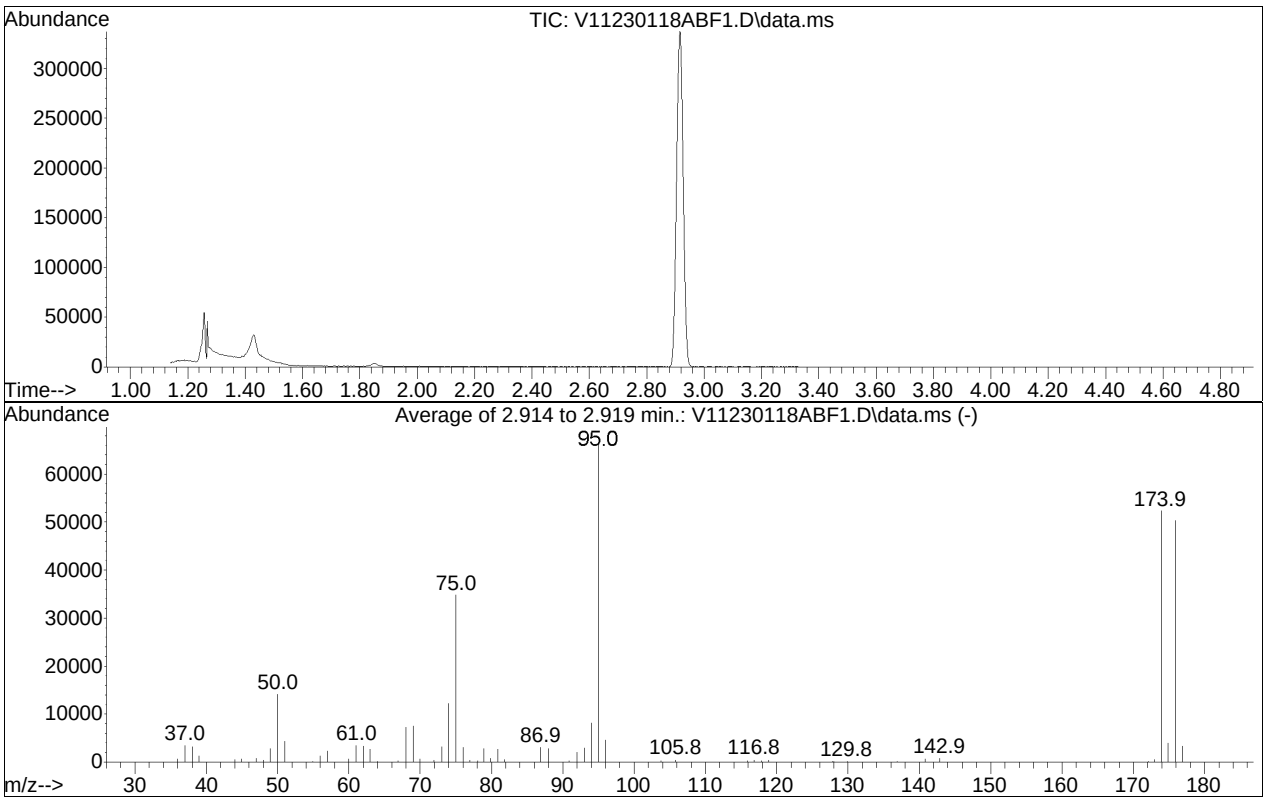
	Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
109)	TP 1,2,4-Trichlor...	0.780	0.785	0.730	0.792	0.829	0.906	0.922	0.924		0.834	8.95
110)	TP Naphthalene	1.895	1.658	1.499	1.722	1.753	1.963	1.986	1.862		1.792	9.24
111)	TP 1,2,3-Trichlor...	0.600	0.662	0.615	0.682	0.688	0.785	0.782	0.755		0.696	10.30

(#) = Out of Range

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118ABF1.D
Acq On : 18 Jan 2023 10:20 am
Operator : VOA111:MKS
Sample : WG1735211-1
Misc : WG1735211
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jan 19 11:49:17 2023



AutoFind: Scans 637, 638, 639; Background Corrected with Scan 622

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.2	14095	PASS
75	95	30	60	52.2	34768	PASS
95	95	100	100	100.0	66555	PASS
96	95	5	9	6.8	4537	PASS
173	174	0.00	2	1.1	553	PASS
174	95	50	100	78.8	52443	PASS
175	174	5	9	7.5	3958	PASS
176	174	95	101	96.0	50336	PASS
177	176	5	9	6.5	3271	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A03.D
Acq On : 18 Jan 2023 11:38 am
Operator : VOA111:MKS
Sample : I8260STD0.5PPB
Misc : WG1735211
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 19 11:27:24 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-L0_OH - Level 0.5ppb for Soils OH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	108110	20.000	ug/L	0.00
Standard Area 1 = 101933			Recovery = 106.06%			
59) Chlorobenzene-d5	9.846	117	82753	20.000	ug/L	0.00
Standard Area 1 = 76687			Recovery = 107.91%			
79) 1,4-Dichlorobenzene-d4	12.488	152	40149	20.000	ug/L	0.00
Standard Area 1 = 40493			Recovery = 99.15%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.436	113	27790	20.253	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.27%			
43) 1,2-Dichloroethane-d4	5.976	65	27759	20.479	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.40%			
60) Toluene-d8	7.984	98	107075	19.967	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.83%			
83) 4-Bromofluorobenzene	11.298	95	35092	21.151	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.76%			
Target Compounds						Qvalue
37) 1,1,1-Trichloroethane	5.473	97	760	0.481	ug/L #	69
40) 1,1-Dichloropropene	5.588	75	542	0.399	ug/L #	48
41) Benzene	5.851	78	2325	0.495	ug/L #	68
48) Trichloroethene	6.448	95	494	0.416	ug/L #	81
54) Bromodichloromethane	7.072	83	778	0.432	ug/L #	77
58) cis-1,3-Dichloropropene	7.764	75	816	0.387	ug/L	98
63) Tetrachloroethene	8.504	166	460	0.438	ug/L #	37
69) Chlorodibromomethane	8.928	129	549	0.423	ug/L #	77
71) 1,2-Dibromoethane	9.217	107	391	0.366	ug/L	95
73) Chlorobenzene	9.867	112	1828	0.526	ug/L #	48
75) 1,1,1,2-Tetrachloroethane	9.956	131	430	0.339	ug/L #	47
76) p/m Xylene	10.097	106	2020	0.955	ug/L	93
77) o Xylene	10.622	106	1884	0.910	ug/L	94
78) Styrene	10.679	104	3248	0.895	ug/L	95
87) 1,1,2,2-Tetrachloroethane	11.529	83	584	0.454	ug/L #	92

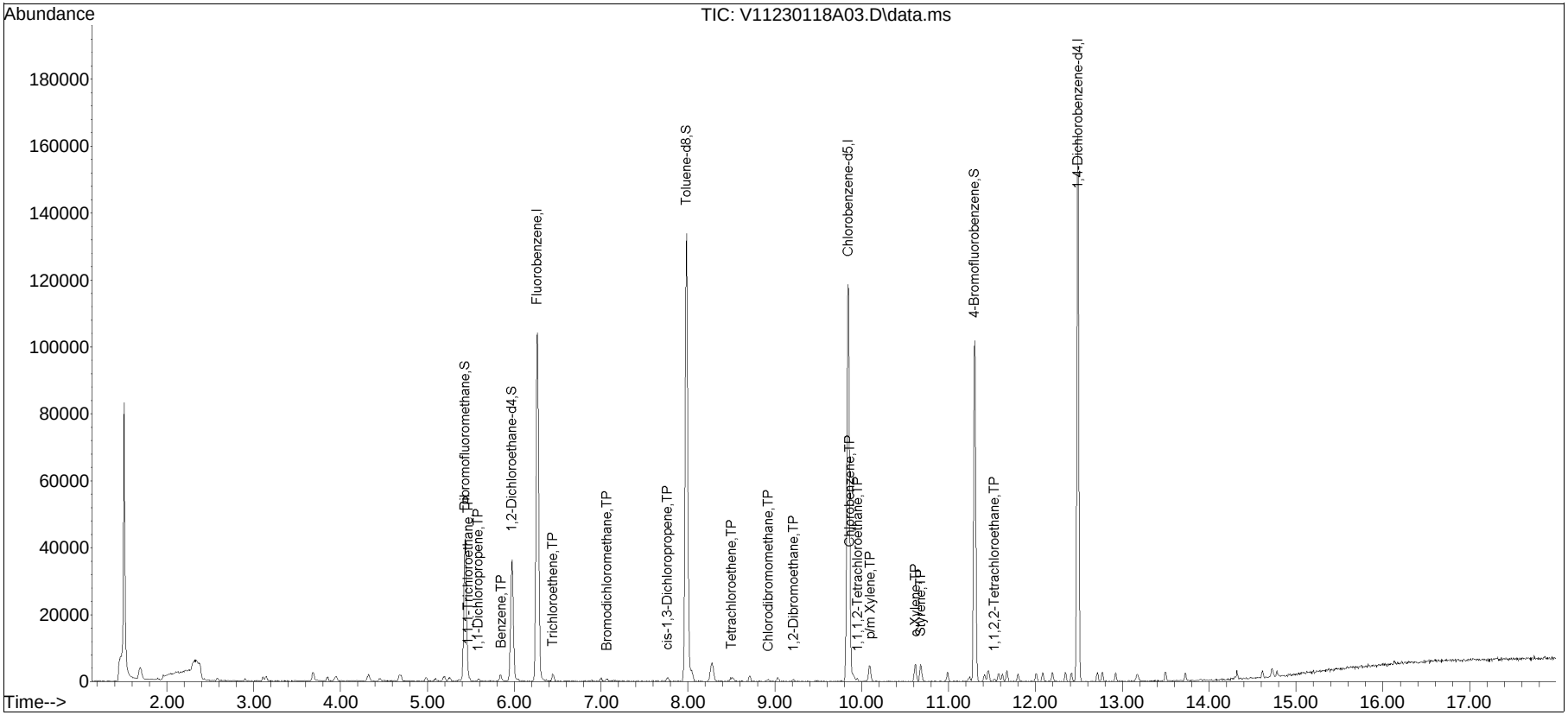
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A03.D
Acq On : 18 Jan 2023 11:38 am
Operator : VOA111:MKS
Sample : I8260STD0.5PPB
Misc : WG1735211
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 19 11:27:24 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

Sub List : 8260-L0_OH - Level 0.5ppb for Soils OHL\V11230118A11.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2Q	Method	: V111_230118_8260.m
Data File	: V11230118A03.D	Operator	: VOA111:MKS
Date Inj'd	: 1/18/2023 11:38 am	Instrument	: VOA111
Sample	: I8260STD0.5PPB	Quant Date	: 1/19/2023 11:21 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A05.D
Acq On : 18 Jan 2023 12:32 pm
Operator : VOA111:MKS
Sample : I8260STD1PPB
Misc : WG1735211
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 19 11:31:22 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.270	96	100713	20.000	ug/L	0.00
Standard Area 1 = 101933			Recovery = 98.80%			
59) Chlorobenzene-d5	9.841	117	76304	20.000	ug/L	-0.01
Standard Area 1 = 76687			Recovery = 99.50%			
79) 1,4-Dichlorobenzene-d4	12.488	152	37993	20.000	ug/L	0.00
Standard Area 1 = 40493			Recovery = 93.83%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.436	113	25814	20.195	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.97%			
43) 1,2-Dichloroethane-d4	5.971	65	26173	20.727	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.64%			
60) Toluene-d8	7.985	98	100356	20.296	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.48%			
83) 4-Bromofluorobenzene	11.303	95	32574	20.747	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.74%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	815	0.862	ug/L #	58
3) Chloromethane	1.903	50	1211	0.977	ug/L #	57
4) Vinyl chloride	1.960	62	1326	0.899	ug/L	86
5) Bromomethane	2.301	94	2019	1.277	ug/L	93
6) Chloroethane	2.437	64	541	0.737	ug/L #	62
7) Trichlorofluoromethane	2.589	101	1251	0.939	ug/L	93
8) Ethyl ether	2.909	74	388	0.781	ug/L #	73
10) 1,1-Dichloroethene	3.108	96	797	0.935	ug/L #	77
11) Carbon disulfide	0.000		0	N.D.	d	
12) Freon-113	3.156	101	755	0.892	ug/L	84
14) Acrolein	0.000		0	N.D.		
15) Methylene chloride	3.690	84	1923	1.560	ug/L #	65
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	3.853	96	933	0.877	ug/L	81
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	3.947	73	2783	1.041	ug/L	96
21) tert-Butyl alcohol	0.000		0	N.D.	d	
22) Diisopropyl ether	4.325	45	3347	0.931	ug/L #	86
23) 1,1-Dichloroethane	4.451	63	1895	0.950	ug/L #	85
24) Halothane	0.000		0	N.D.	d	
25) Acrylonitrile	0.000		0	N.D.	d	

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A05.D
Acq On : 18 Jan 2023 12:32 pm
Operator : VOA111:MKS
Sample : I8260STD1PPB
Misc : WG1735211
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 19 11:31:22 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.687	59	3362	0.952	ug/L		91
27) Vinyl acetate	0.000		0	N.D.	d		
28) cis-1,2-Dichloroethene	4.991	96	1158	0.914	ug/L	#	79
29) 2,2-Dichloropropane	5.096	77	1498	0.991	ug/L	#	78
30) Bromochloromethane	5.179	128	478	0.791	ug/L	#	71
31) Cyclohexane	5.200	56	1335	0.953	ug/L		76
32) Chloroform	5.258	83	1951	0.934	ug/L	#	89
33) Ethyl acetate	0.000		0	N.D.	d		
34) Carbon tetrachloride	5.410	117	1192	0.926	ug/L	#	85
35) Tetrahydrofuran	0.000		0	N.D.	d		
37) 1,1,1-Trichloroethane	5.468	97	1490	1.012	ug/L	#	81
39) 2-Butanone	0.000		0	N.D.	d		
40) 1,1-Dichloropropene	5.594	75	1143	0.903	ug/L		85
41) Benzene	5.840	78	4252	0.972	ug/L	#	84
42) tert-Amyl methyl ether	5.955	73	3160	0.968	ug/L	#	78
44) 1,2-Dichloroethane	6.045	62	1613	1.058	ug/L	#	83
47) Methyl cyclohexane	6.448	83	1372	0.908	ug/L	#	67
48) Trichloroethene	6.454	95	954	0.863	ug/L		92
50) Dibromomethane	6.894	93	655	0.890	ug/L		95
51) 1,2-Dichloropropane	7.004	63	977	0.809	ug/L		95
53) 2-Chloroethyl vinyl ether	7.696	63	240	0.525	ug/L	#	35
54) Bromodichloromethane	7.062	83	1637	0.977	ug/L	#	87
57) 1,4-Dioxane	0.000		0	N.D.			
58) cis-1,3-Dichloropropene	7.770	75	1822	0.928	ug/L	#	86
61) Toluene	8.042	92	2553	0.965	ug/L		90
62) 4-Methyl-2-pentanone	0.000		0	N.D.	d		
63) Tetrachloroethene	8.493	166	817	0.844	ug/L		90
65) trans-1,3-Dichloropropene	8.519	75	1643	0.924	ug/L	#	83
67) Ethyl methacrylate	8.713	69	1195	0.939	ug/L	#	90
68) 1,1,2-Trichloroethane	8.703	83	789	0.929	ug/L		93
69) Chlorodibromomethane	8.923	129	1156	0.967	ug/L	#	89
70) 1,3-Dichloropropane	9.033	76	1654	0.971	ug/L		89
71) 1,2-Dibromoethane	9.211	107	835	0.847	ug/L		87
72) 2-Hexanone	9.484	43	517	0.808	ug/L	#	65
73) Chlorobenzene	9.867	112	2958	0.922	ug/L	#	63
74) Ethylbenzene	9.903	91	4657	0.936	ug/L		97
75) 1,1,1,2-Tetrachloroethane	9.951	131	1063	0.910	ug/L	#	63
76) p/m Xylene	10.092	106	3596	1.844	ug/L		99
77) o Xylene	10.617	106	3468	1.818	ug/L		100
78) Styrene	10.679	104	5611	1.677	ug/L		98

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A05.D
Acq On : 18 Jan 2023 12:32 pm
Operator : VOA111:MKS
Sample : I8260STD1PPB
Misc : WG1735211
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 19 11:31:22 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	10.706	173	606	0.839	ug/L		84
82) Isopropylbenzene	10.984	105	4159	0.928	ug/L		95
84) Bromobenzene	11.408	156	1193	0.940	ug/L		94
85) n-Propylbenzene	11.455	91	5491	0.982	ug/L		93
86) 1,4-Dichlorobutane	11.466	55	1506	1.030	ug/L		93
87) 1,1,2,2-Tetrachloroethane	11.529	83	1332	1.094	ug/L	#	88
88) 4-Ethyltoluene	11.576	105	4179	0.905	ug/L		97
89) 2-Chlorotoluene	11.623	91	3437	1.014	ug/L		96
90) 1,3,5-Trimethylbenzene	11.670	105	3684	0.929	ug/L		95
91) 1,2,3-Trichloropropane	11.665	75	968	1.013	ug/L	#	73
92) trans-1,4-Dichloro-2-b...	11.718	53	233	0.668	ug/L	#	67
93) 4-Chlorotoluene	11.796	91	3476	0.944	ug/L		99
94) tert-Butylbenzene	12.011	119	3153	0.974	ug/L		94
97) 1,2,4-Trimethylbenzene	12.085	105	3461	0.844	ug/L		95
98) sec-Butylbenzene	12.200	105	4435	0.900	ug/L		93
99) p-Isopropyltoluene	12.347	119	3831	0.904	ug/L		94
100) 1,3-Dichlorobenzene	12.415	146	2380	0.953	ug/L		96
101) 1,4-Dichlorobenzene	12.504	146	2574M3	1.019	ug/L		
102) p-Diethylbenzene	12.714	119	2262	0.871	ug/L		95
103) n-Butylbenzene	12.771	91	3594	0.906	ug/L		98
104) 1,2-Dichlorobenzene	12.924	146	2323	0.968	ug/L		97
105) 1,2,4,5-Tetramethylben...	13.495	119	3698	0.867	ug/L		99
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
107) 1,3,5-Trichlorobenzene	13.726	180	1624	0.950	ug/L		93
108) Hexachlorobutadiene	14.297	225	591	0.882	ug/L		97
109) 1,2,4-Trichlorobenzene	14.318	180	1482	0.985	ug/L	#	94
110) Naphthalene	14.617	128	3600	1.101	ug/L		100
111) 1,2,3-Trichlorobenzene	14.780	180	1140	0.880	ug/L	#	81

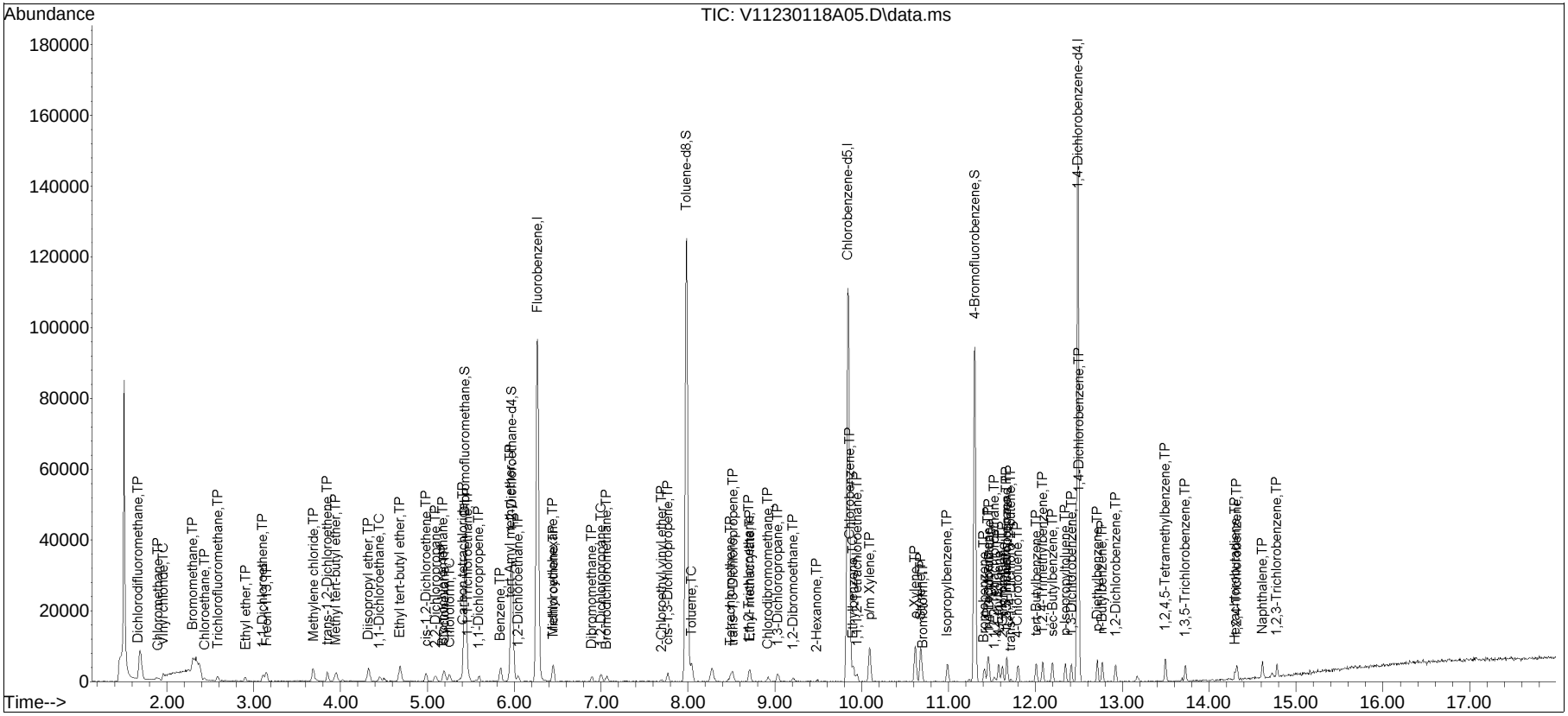
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A05.D
Acq On : 18 Jan 2023 12:32 pm
Operator : VOA111:MKS
Sample : I8260STD1PPB
Misc : WG1735211
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 19 11:31:22 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

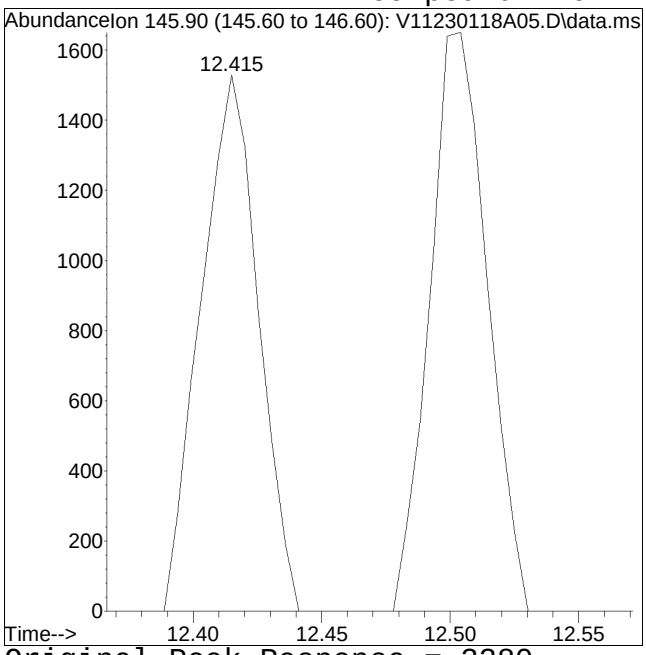
Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11230118A11.D•

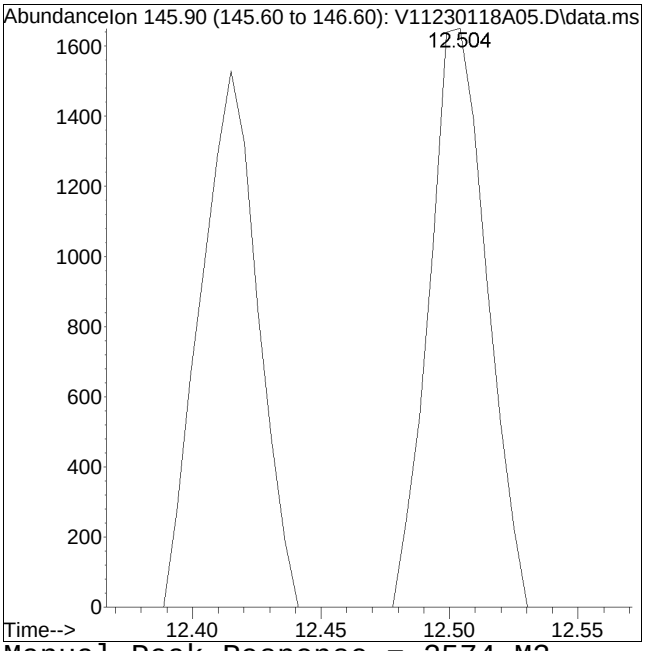


Manual Integration Report

Data Path : I:\VOLATILES\VOA111\2023\2QMethod : V111_230118_8260.m
Data File : V11230118A05.D Operator : VOA111:MKS
Date Inj'd : 1/18/2023 12:32 pm Instrument : VOA111
Sample : I8260STD1PPB Quant Date : 1/19/2023 11:21 am

Compound #101: 1,4-Dichlorobenzene





Original Peak Response = 2380 Manual Peak Response = 2574 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A07.D
Acq On : 18 Jan 2023 01:25 pm
Operator : VOA111:MKS
Sample : I8260STD2PPB
Misc : WG1735211
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 19 11:33:08 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	98547	20.000	ug/L	0.00
Standard Area 1 = 101933			Recovery = 96.68%			
59) Chlorobenzene-d5	9.846	117	74601	20.000	ug/L	0.00
Standard Area 1 = 76687			Recovery = 97.28%			
79) 1,4-Dichlorobenzene-d4	12.489	152	36915	20.000	ug/L	0.00
Standard Area 1 = 40493			Recovery = 91.16%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.437	113	25311	20.236	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.18%			
43) 1,2-Dichloroethane-d4	5.977	65	24978	20.215	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.08%			
60) Toluene-d8	7.985	98	96914	20.047	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.24%			
83) 4-Bromofluorobenzene	11.298	95	30778	20.176	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	2374	2.567	ug/L #	84
3) Chloromethane	1.903	50	3045	2.510	ug/L #	95
4) Vinyl chloride	1.960	62	3751	2.598	ug/L	100
5) Bromomethane	2.296	94	4551	2.942	ug/L	93
6) Chloroethane	2.432	64	1490	2.075	ug/L	99
7) Trichlorofluoromethane	2.590	101	3098	2.375	ug/L	97
8) Ethyl ether	2.904	74	948	1.951	ug/L #	66
10) 1,1-Dichloroethene	3.114	96	1982	2.375	ug/L	81
11) Carbon disulfide	3.140	76	5180	2.908	ug/L	95
12) Freon-113	3.156	101	2044	2.467	ug/L	90
14) Acrolein	0.000		0	N.D.		
15) Methylene chloride	3.685	84	3197	2.651	ug/L	67
17) Acetone	3.727	43	853	2.817	ug/L #	61
18) trans-1,2-Dichloroethene	3.848	96	2460	2.364	ug/L	79
19) Methyl acetate	3.858	43	1306	2.191	ug/L #	76
20) Methyl tert-butyl ether	3.948	73	5431	2.076	ug/L	87
21) tert-Butyl alcohol	4.037	59	898	8.288	ug/L #	59
22) Diisopropyl ether	4.325	45	7165	2.038	ug/L #	85
23) 1,1-Dichloroethane	4.456	63	4372	2.240	ug/L	98
24) Halothane	4.503	117	1762	2.424	ug/L	85
25) Acrylonitrile	4.498	53	397	1.410	ug/L #	84

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A07.D
Acq On : 18 Jan 2023 01:25 pm
Operator : VOA111:MKS
Sample : I8260STD2PPB
Misc : WG1735211
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 19 11:33:08 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.687	59	6940	2.009	ug/L		89
27) Vinyl acetate	4.692	43	4549	2.049	ug/L		98
28) cis-1,2-Dichloroethene	4.986	96	2705	2.181	ug/L	#	82
29) 2,2-Dichloropropane	5.096	77	3727	2.519	ug/L		88
30) Bromochloromethane	5.190	128	1203	2.034	ug/L	#	71
31) Cyclohexane	5.201	56	3408	2.485	ug/L	#	60
32) Chloroform	5.253	83	4605	2.252	ug/L		94
33) Ethyl acetate	0.000		0	N.D.	d		
34) Carbon tetrachloride	5.405	117	3171	2.517	ug/L		94
35) Tetrahydrofuran	0.000		0	N.D.	d		
37) 1,1,1-Trichloroethane	5.468	97	3512	2.437	ug/L		95
39) 2-Butanone	0.000		0	N.D.	d		
40) 1,1-Dichloropropene	5.594	75	3050	2.462	ug/L		96
41) Benzene	5.846	78	9863	2.305	ug/L	#	87
42) tert-Amyl methyl ether	5.950	73	6313	1.977	ug/L		86
44) 1,2-Dichloroethane	6.045	62	3273	2.193	ug/L		95
47) Methyl cyclohexane	6.448	83	3533	2.390	ug/L	#	70
48) Trichloroethene	6.448	95	2537	2.345	ug/L		96
50) Dibromomethane	6.894	93	1498	2.079	ug/L		90
51) 1,2-Dichloropropane	7.004	63	2462	2.082	ug/L		95
53) 2-Chloroethyl vinyl ether	7.691	63	790	1.766	ug/L	#	60
54) Bromodichloromethane	7.067	83	3569	2.177	ug/L	#	92
57) 1,4-Dioxane	7.277	88	338	32.580	ug/L	#	25
58) cis-1,3-Dichloropropene	7.765	75	3814	1.986	ug/L		91
61) Toluene	8.042	92	6036	2.333	ug/L		97
62) 4-Methyl-2-pentanone	8.472	58	415	1.231	ug/L	#	64
63) Tetrachloroethene	8.493	166	2278	2.406	ug/L		97
65) trans-1,3-Dichloropropene	8.514	75	3419	1.967	ug/L		84
67) Ethyl methacrylate	8.708	69	2298	1.847	ug/L		93
68) 1,1,2-Trichloroethane	8.713	83	1749	2.107	ug/L		96
69) Chlorodibromomethane	8.928	129	2428	2.077	ug/L		97
70) 1,3-Dichloropropane	9.039	76	3463	2.079	ug/L		98
71) 1,2-Dibromoethane	9.212	107	1966	2.039	ug/L		98
72) 2-Hexanone	9.484	43	1122	1.794	ug/L	#	92
73) Chlorobenzene	9.862	112	7050	2.249	ug/L	#	80
74) Ethylbenzene	9.904	91	11197	2.302	ug/L		96
75) 1,1,1,2-Tetrachloroethane	9.951	131	2299	2.013	ug/L		97
76) p/m Xylene	10.087	106	8017	4.205	ug/L		93
77) o Xylene	10.617	106	7760	4.160	ug/L		99
78) Styrene	10.680	104	12442	3.804	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A07.D
Acq On : 18 Jan 2023 01:25 pm
Operator : VOA111:MKS
Sample : I8260STD2PPB
Misc : WG1735211
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 19 11:33:08 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	10.706	173	1361	1.939	ug/L		87
82) Isopropylbenzene	10.989	105	9975	2.292	ug/L		98
84) Bromobenzene	11.414	156	2665	2.160	ug/L		100
85) n-Propylbenzene	11.456	91	12762	2.348	ug/L		98
86) 1,4-Dichlorobutane	11.466	55	3057	2.151	ug/L		99
87) 1,1,2,2-Tetrachloroethane	11.529	83	2608	2.204	ug/L		93
88) 4-Ethyltoluene	11.576	105	10087	2.249	ug/L		99
89) 2-Chlorotoluene	11.618	91	7741	2.352	ug/L		94
90) 1,3,5-Trimethylbenzene	11.671	105	8165	2.120	ug/L		97
91) 1,2,3-Trichloropropane	11.671	75	1901	2.047	ug/L		93
92) trans-1,4-Dichloro-2-b...	11.718	53	578	1.706	ug/L	#	73
93) 4-Chlorotoluene	11.802	91	7706	2.153	ug/L		99
94) tert-Butylbenzene	12.006	119	6951	2.209	ug/L		99
97) 1,2,4-Trimethylbenzene	12.085	105	8342	2.094	ug/L		99
98) sec-Butylbenzene	12.195	105	10809	2.258	ug/L		97
99) p-Isopropyltoluene	12.347	119	9156	2.224	ug/L		97
100) 1,3-Dichlorobenzene	12.415	146	5167	2.129	ug/L		98
101) 1,4-Dichlorobenzene	12.504	146	5462	2.225	ug/L		95
102) p-Diethylbenzene	12.714	119	5221	2.070	ug/L		94
103) n-Butylbenzene	12.772	91	8418	2.184	ug/L		96
104) 1,2-Dichlorobenzene	12.924	146	4891	2.097	ug/L		97
105) 1,2,4,5-Tetramethylben...	13.495	119	8146	1.965	ug/L		94
106) 1,2-Dibromo-3-chloropr...	13.689	155	286	1.581	ug/L		100
107) 1,3,5-Trichlorobenzene	13.726	180	3693	2.224	ug/L		98
108) Hexachlorobutadiene	14.297	225	1519	2.334	ug/L		98
109) 1,2,4-Trichlorobenzene	14.324	180	3062	2.094	ug/L		95
110) Naphthalene	14.612	128	6473	2.037	ug/L		100
111) 1,2,3-Trichlorobenzene	14.780	180	2539	2.018	ug/L		92

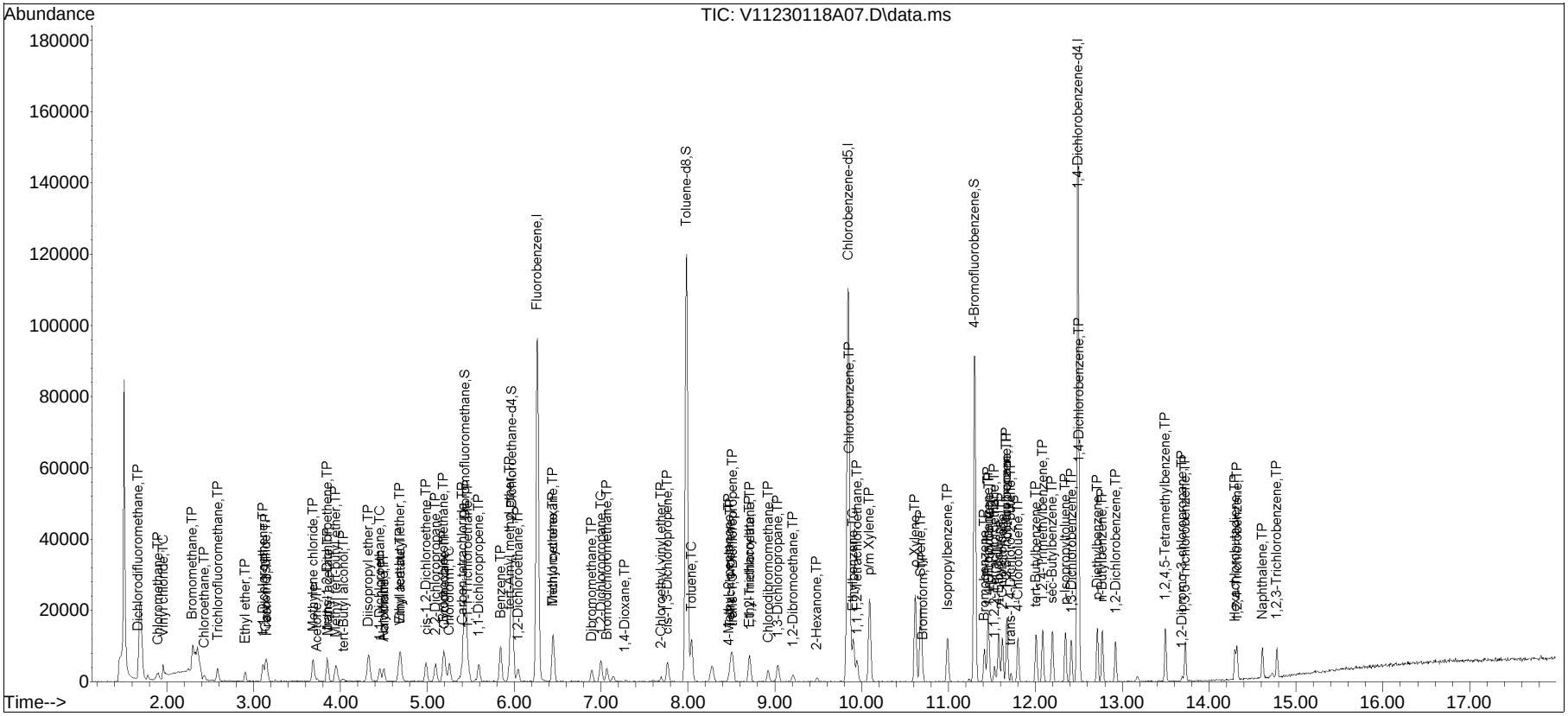
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A07.D
Acq On : 18 Jan 2023 01:25 pm
Operator : VOA111:MKS
Sample : I8260STD2PPB
Misc : WG1735211
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 19 11:33:08 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11230118A11.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2Q	Method	: V111_230118_8260.m
Data File	: V11230118A07.D	Operator	: VOA111:MKS
Date Inj'd	: 1/18/2023 1:25 pm	Instrument	: VOA111
Sample	: I8260STD2PPB	Quant Date	: 1/19/2023 11:22 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A09.D
Acq On : 18 Jan 2023 02:19 pm
Operator : VOA111:MKS
Sample : I8260STD4PPB
Misc : WG1735211
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 19 11:34:49 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	96262	20.000	ug/L	0.00
Standard Area 1 = 101933			Recovery = 94.44%			
59) Chlorobenzene-d5	9.846	117	72980	20.000	ug/L	0.00
Standard Area 1 = 76687			Recovery = 95.17%			
79) 1,4-Dichlorobenzene-d4	12.488	152	36926	20.000	ug/L	0.00
Standard Area 1 = 40493			Recovery = 91.19%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.436	113	24943	20.415	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.08%			
43) 1,2-Dichloroethane-d4	5.971	65	24570	20.357	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.79%			
60) Toluene-d8	7.985	98	95350	20.162	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.81%			
83) 4-Bromofluorobenzene	11.298	95	30902	20.251	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.26%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	5077	5.620	ug/L #	92
3) Chloromethane	1.892	50	5819	4.910	ug/L	97
4) Vinyl chloride	1.960	62	7747	5.492	ug/L	96
5) Bromomethane	2.301	94	8911	5.897	ug/L	99
6) Chloroethane	2.432	64	3365	4.797	ug/L	98
7) Trichlorofluoromethane	2.589	101	6764	5.309	ug/L	100
8) Ethyl ether	2.904	74	1909	4.022	ug/L #	70
10) 1,1-Dichloroethene	3.108	96	4181	5.130	ug/L	80
11) Carbon disulfide	3.140	76	9431	5.420	ug/L	98
12) Freon-113	3.150	101	4446	5.493	ug/L	93
14) Acrolein	3.428	56	343	3.087	ug/L #	78
15) Methylene chloride	3.685	84	5839	4.956	ug/L	67
17) Acetone	3.727	43	1490	5.037	ug/L #	82
18) trans-1,2-Dichloroethene	3.848	96	4860	4.780	ug/L	83
19) Methyl acetate	3.848	43	2566	4.406	ug/L	98
20) Methyl tert-butyl ether	3.953	73	10646	4.167	ug/L	90
21) tert-Butyl alcohol	4.026	59	2078	19.634	ug/L #	79
22) Diisopropyl ether	4.320	45	14308	4.166	ug/L #	90
23) 1,1-Dichloroethane	4.451	63	8676	4.551	ug/L	96
24) Halothane	4.498	117	3686	5.192	ug/L	95
25) Acrylonitrile	4.493	53	1077	3.916	ug/L	95

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A09.D
Acq On : 18 Jan 2023 02:19 pm
Operator : VOA111:MKS
Sample : I8260STD4PPB
Misc : WG1735211
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 19 11:34:49 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.687	59	13507	4.003	ug/L		89
27) Vinyl acetate	4.692	43	8657	3.992	ug/L	#	96
28) cis-1,2-Dichloroethene	4.985	96	5223	4.311	ug/L		84
29) 2,2-Dichloropropane	5.090	77	7329	5.070	ug/L		90
30) Bromochloromethane	5.185	128	2510	4.344	ug/L	#	69
31) Cyclohexane	5.200	56	6941	5.182	ug/L	#	58
32) Chloroform	5.253	83	9024	4.518	ug/L		95
33) Ethyl acetate	5.363	43	3764	4.143	ug/L	#	89
34) Carbon tetrachloride	5.405	117	6535	5.310	ug/L		94
35) Tetrahydrofuran	5.421	42	998	4.089	ug/L		93
37) 1,1,1-Trichloroethane	5.473	97	7135	5.069	ug/L		95
39) 2-Butanone	5.552	43	1756	4.297	ug/L	#	68
40) 1,1-Dichloropropene	5.594	75	5917	4.890	ug/L		97
41) Benzene	5.845	78	19235	4.602	ug/L	#	88
42) tert-Amyl methyl ether	5.955	73	12384	3.970	ug/L		88
44) 1,2-Dichloroethane	6.045	62	6315	4.332	ug/L		99
47) Methyl cyclohexane	6.448	83	7254	5.023	ug/L	#	65
48) Trichloroethene	6.448	95	5023	4.752	ug/L		98
50) Dibromomethane	6.894	93	2862	4.066	ug/L		97
51) 1,2-Dichloropropane	6.999	63	4942	4.279	ug/L		97
53) 2-Chloroethyl vinyl ether	7.691	63	1703	3.898	ug/L	#	73
54) Bromodichloromethane	7.067	83	6827	4.262	ug/L	#	99
57) 1,4-Dioxane	7.282	88	1700	167.752	ug/L	#	65
58) cis-1,3-Dichloropropene	7.764	75	7680	4.094	ug/L		90
61) Toluene	8.042	92	11534	4.558	ug/L		96
62) 4-Methyl-2-pentanone	8.472	58	1106	3.355	ug/L	#	96
63) Tetrachloroethene	8.498	166	4498	4.856	ug/L		99
65) trans-1,3-Dichloropropene	8.519	75	6912	4.064	ug/L		84
67) Ethyl methacrylate	8.708	69	4527	3.719	ug/L		94
68) 1,1,2-Trichloroethane	8.708	83	3330	4.100	ug/L		99
69) Chlorodibromomethane	8.923	129	4764	4.167	ug/L		96
70) 1,3-Dichloropropane	9.038	76	6787	4.165	ug/L		98
71) 1,2-Dibromoethane	9.206	107	3937	4.174	ug/L		99
72) 2-Hexanone	9.489	43	2433	3.977	ug/L	#	95
73) Chlorobenzene	9.867	112	13352	4.353	ug/L	#	84
74) Ethylbenzene	9.903	91	20935	4.399	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.945	131	4660	4.171	ug/L		97
76) p/m Xylene	10.092	106	15634	8.382	ug/L		99
77) o Xylene	10.617	106	15090	8.269	ug/L		98
78) Styrene	10.679	104	24570	7.679	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A09.D
Acq On : 18 Jan 2023 02:19 pm
Operator : VOA111:MKS
Sample : I8260STD4PPB
Misc : WG1735211
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 19 11:34:49 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Bromoform	10.706	173	2664	3.795	ug/L	98
82) Isopropylbenzene	10.989	105	19360	4.446	ug/L	99
84) Bromobenzene	11.414	156	5327	4.317	ug/L	98
85) n-Propylbenzene	11.455	91	23919	4.399	ug/L	98
86) 1,4-Dichlorobutane	11.466	55	6129	4.311	ug/L	96
87) 1,1,2,2-Tetrachloroethane	11.529	83	5251	4.436	ug/L	94
88) 4-Ethyltoluene	11.576	105	19103	4.257	ug/L	100
89) 2-Chlorotoluene	11.618	91	14192	4.310	ug/L	93
90) 1,3,5-Trimethylbenzene	11.670	105	15725	4.082	ug/L	98
91) 1,2,3-Trichloropropane	11.670	75	4020	4.328	ug/L	96
92) trans-1,4-Dichloro-2-b...	11.718	53	1400	4.130	ug/L	85
93) 4-Chlorotoluene	11.796	91	14564	4.069	ug/L	99
94) tert-Butylbenzene	12.011	119	13897	4.416	ug/L	97
97) 1,2,4-Trimethylbenzene	12.085	105	15906	3.992	ug/L	98
98) sec-Butylbenzene	12.195	105	20872	4.358	ug/L	98
99) p-Isopropyltoluene	12.347	119	17010	4.130	ug/L	99
100) 1,3-Dichlorobenzene	12.415	146	10053	4.141	ug/L	98
101) 1,4-Dichlorobenzene	12.504	146	10696	4.356	ug/L	98
102) p-Diethylbenzene	12.714	119	10345	4.099	ug/L	99
103) n-Butylbenzene	12.771	91	16202	4.202	ug/L	97
104) 1,2-Dichlorobenzene	12.924	146	9566	4.101	ug/L	98
105) 1,2,4,5-Tetramethylben...	13.495	119	15252	3.678	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.689	155	684	3.780	ug/L	100
107) 1,3,5-Trichlorobenzene	13.726	180	6595	3.971	ug/L	98
108) Hexachlorobutadiene	14.297	225	3004	4.614	ug/L	99
109) 1,2,4-Trichlorobenzene	14.323	180	5796	3.963	ug/L	96
110) Naphthalene	14.612	128	12245	3.852	ug/L	100
111) 1,2,3-Trichlorobenzene	14.780	180	4889	3.884	ug/L	96

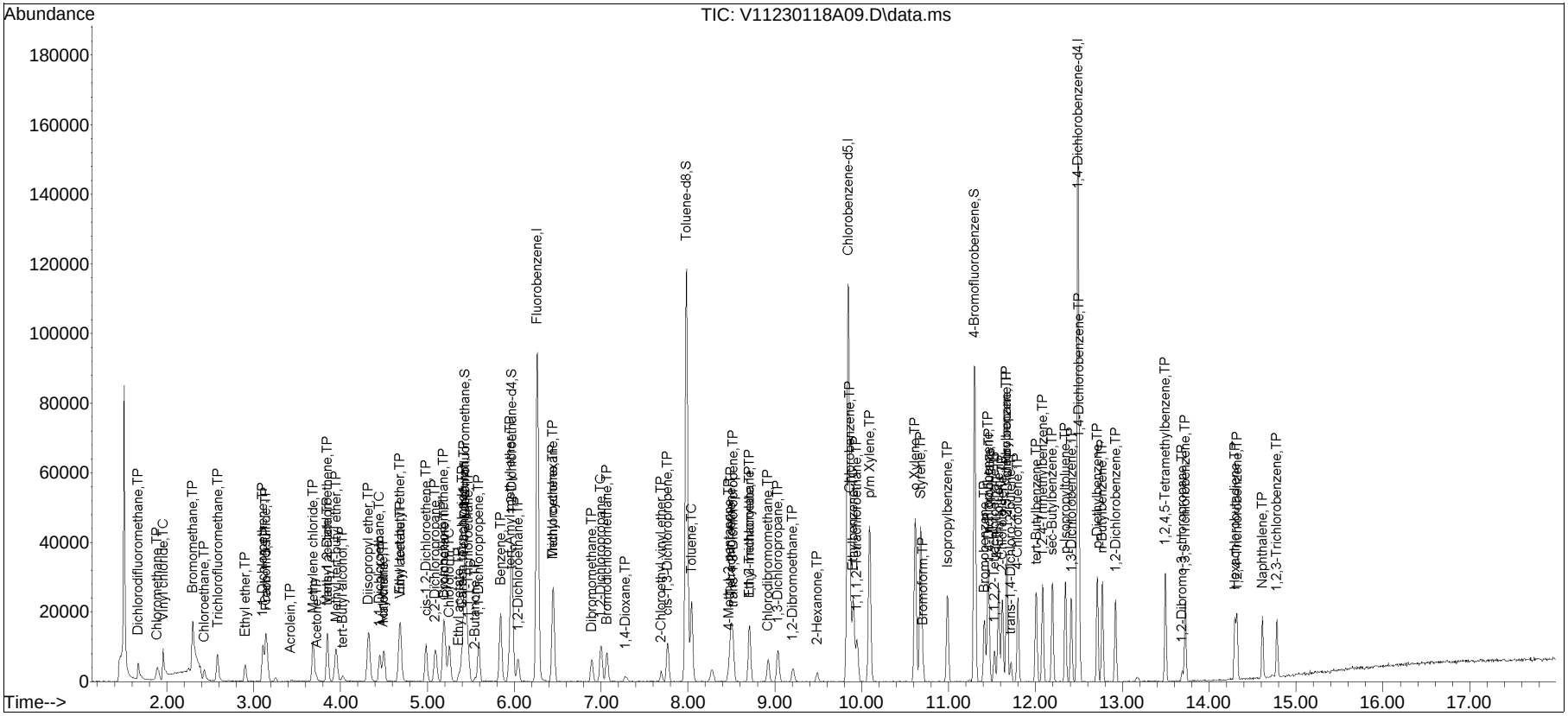
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A09.D
Acq On : 18 Jan 2023 02:19 pm
Operator : VOA111:MKS
Sample : I8260STD4PPB
Misc : WG1735211
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 19 11:34:49 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11230118A11.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2Q	Method	: V111_230118_8260.m
Data File	: V11230118A09.D	Operator	: VOA111:MKS
Date Inj'd	: 1/18/2023 2:19 pm	Instrument	: VOA111
Sample	: I8260STD4PPB	Quant Date	: 1/19/2023 11:22 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A10.D
Acq On : 18 Jan 2023 02:46 pm
Operator : VOA111:MKS
Sample : I8260STD20PPB
Misc : WG1735211
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 19 11:35:52 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	99513	20.000	ug/L	0.00
Standard Area 1 = 101933			Recovery = 97.63%			
59) Chlorobenzene-d5	9.846	117	74038	20.000	ug/L	0.00
Standard Area 1 = 76687			Recovery = 96.55%			
79) 1,4-Dichlorobenzene-d4	12.489	152	38192	20.000	ug/L	0.00
Standard Area 1 = 40493			Recovery = 94.32%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.437	113	24950	19.754	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.77%			
43) 1,2-Dichloroethane-d4	5.977	65	25029	20.060	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.30%			
60) Toluene-d8	7.985	98	97819	20.388	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.94%			
83) 4-Bromofluorobenzene	11.304	95	32216	20.412	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.06%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	16049	17.186	ug/L	97
3) Chloromethane	1.897	50	22338	18.235	ug/L	97
4) Vinyl chloride	1.960	62	27181	18.640	ug/L	97
5) Bromomethane	2.301	94	31814	20.364	ug/L	98
6) Chloroethane	2.432	64	13207	18.211	ug/L	99
7) Trichlorofluoromethane	2.584	101	23032	17.488	ug/L	98
8) Ethyl ether	2.904	74	8650	17.629	ug/L #	67
10) 1,1-Dichloroethene	3.109	96	15108	17.931	ug/L	80
11) Carbon disulfide	3.140	76	33203	18.459	ug/L	99
12) Freon-113	3.151	101	14897	17.803	ug/L	94
14) Acrolein	3.434	56	2038	17.740	ug/L	97
15) Methylene chloride	3.685	84	22888	18.792	ug/L	67
17) Acetone	3.722	43	5369	17.556	ug/L	100
18) trans-1,2-Dichloroethene	3.848	96	19499	18.553	ug/L	82
19) Methyl acetate	3.848	43	11104	18.445	ug/L #	85
20) Methyl tert-butyl ether	3.947	73	46985	17.790	ug/L	87
21) tert-Butyl alcohol	4.026	59	9451	86.382	ug/L	94
22) Diisopropyl ether	4.320	45	62431	17.584	ug/L #	88
23) 1,1-Dichloroethane	4.456	63	36075	18.303	ug/L	96
24) Halothane	4.503	117	13352	18.192	ug/L	99
25) Acrylonitrile	4.488	53	5018	17.648	ug/L	96

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A10.D
Acq On : 18 Jan 2023 02:46 pm
Operator : VOA111:MKS
Sample : I8260STD20PPB
Misc : WG1735211
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 19 11:35:52 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.682	59	61789	17.714	ug/L		90
27) Vinyl acetate	4.687	43	40647	18.133	ug/L	#	92
28) cis-1,2-Dichloroethene	4.986	96	22706	18.130	ug/L	#	82
29) 2,2-Dichloropropane	5.096	77	27465	18.380	ug/L		89
30) Bromochloromethane	5.185	128	11158	18.681	ug/L	#	65
31) Cyclohexane	5.201	56	24196	17.473	ug/L	#	57
32) Chloroform	5.253	83	38736	18.762	ug/L		95
33) Ethyl acetate	5.363	43	16512	17.580	ug/L	#	94
34) Carbon tetrachloride	5.405	117	22776	17.901	ug/L		98
35) Tetrahydrofuran	5.410	42	4416M3	17.504	ug/L		
37) 1,1,1-Trichloroethane	5.468	97	26521	18.225	ug/L		97
39) 2-Butanone	5.547	43	7348	17.392	ug/L		100
40) 1,1-Dichloropropene	5.594	75	21745	17.382	ug/L		99
41) Benzene	5.845	78	79389	18.372	ug/L	#	89
42) tert-Amyl methyl ether	5.956	73	56070	17.388	ug/L	#	87
44) 1,2-Dichloroethane	6.045	62	27289	18.109	ug/L		98
47) Methyl cyclohexane	6.448	83	25955	17.385	ug/L	#	67
48) Trichloroethene	6.448	95	19728	18.054	ug/L		98
50) Dibromomethane	6.889	93	12962	17.815	ug/L		95
51) 1,2-Dichloropropane	6.999	63	21621	18.109	ug/L		96
53) 2-Chloroethyl vinyl ether	7.696	63	7522	16.656	ug/L	#	79
54) Bromodichloromethane	7.067	83	29772	17.980	ug/L		99
57) 1,4-Dioxane	7.277	88	9863	941.464	ug/L	#	71
58) cis-1,3-Dichloropropene	7.764	75	34272	17.675	ug/L		89
61) Toluene	8.042	92	47535	18.516	ug/L		94
62) 4-Methyl-2-pentanone	8.472	58	5578	16.677	ug/L	#	85
63) Tetrachloroethene	8.498	166	17466	18.587	ug/L		98
65) trans-1,3-Dichloropropene	8.519	75	30728	17.809	ug/L		83
67) Ethyl methacrylate	8.708	69	21344	17.286	ug/L		100
68) 1,1,2-Trichloroethane	8.708	83	14904	18.089	ug/L		99
69) Chlorodibromomethane	8.923	129	21032	18.132	ug/L		97
70) 1,3-Dichloropropane	9.039	76	30062	18.184	ug/L		99
71) 1,2-Dibromoethane	9.212	107	17453	18.238	ug/L		99
72) 2-Hexanone	9.484	43	10453	16.843	ug/L		91
73) Chlorobenzene	9.867	112	57430	18.458	ug/L	#	89
74) Ethylbenzene	9.904	91	88162	18.262	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.946	131	20596	18.169	ug/L		99
76) p/m Xylene	10.092	106	68371	36.131	ug/L		99
77) o Xylene	10.617	106	67598	36.511	ug/L		99
78) Styrene	10.680	104	115169	35.480	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A10.D
Acq On : 18 Jan 2023 02:46 pm
Operator : VOA111:MKS
Sample : I8260STD20PPB
Misc : WG1735211
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 19 11:35:52 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	10.701	173	12669	17.448	ug/L		99
82) Isopropylbenzene	10.989	105	83728	18.592	ug/L		99
84) Bromobenzene	11.414	156	23710	18.578	ug/L		100
85) n-Propylbenzene	11.456	91	103581	18.419	ug/L		98
86) 1,4-Dichlorobutane	11.466	55	26441	17.981	ug/L		94
87) 1,1,2,2-Tetrachloroethane	11.529	83	22673	18.519	ug/L		99
88) 4-Ethyltoluene	11.576	105	86071	18.547	ug/L		99
89) 2-Chlorotoluene	11.618	91	64537M1	18.949	ug/L		
90) 1,3,5-Trimethylbenzene	11.671	105	73572	18.465	ug/L		99
91) 1,2,3-Trichloropropane	11.671	75	17191	17.894	ug/L		99
92) trans-1,4-Dichloro-2-b...	11.718	53	6165	17.584	ug/L	#	80
93) 4-Chlorotoluene	11.796	91	67073	18.117	ug/L		99
94) tert-Butylbenzene	12.011	119	59242	18.201	ug/L		98
97) 1,2,4-Trimethylbenzene	12.085	105	74319	18.033	ug/L		100
98) sec-Butylbenzene	12.195	105	90005	18.171	ug/L		99
99) p-Isopropyltoluene	12.347	119	76907	18.052	ug/L		99
100) 1,3-Dichlorobenzene	12.415	146	45834	18.252	ug/L		100
101) 1,4-Dichlorobenzene	12.504	146	46761	18.413	ug/L		99
102) p-Diethylbenzene	12.714	119	47376	18.152	ug/L		100
103) n-Butylbenzene	12.772	91	72879	18.275	ug/L		97
104) 1,2-Dichlorobenzene	12.924	146	43327	17.959	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.495	119	75776	17.667	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.689	155	3351	17.903	ug/L		99
107) 1,3,5-Trichlorobenzene	13.726	180	31670	18.437	ug/L		97
108) Hexachlorobutadiene	14.297	225	12572	18.669	ug/L		99
109) 1,2,4-Trichlorobenzene	14.318	180	27894	18.442	ug/L		98
110) Naphthalene	14.612	128	57268	17.416	ug/L		100
111) 1,2,3-Trichlorobenzene	14.780	180	23480	18.034	ug/L		98

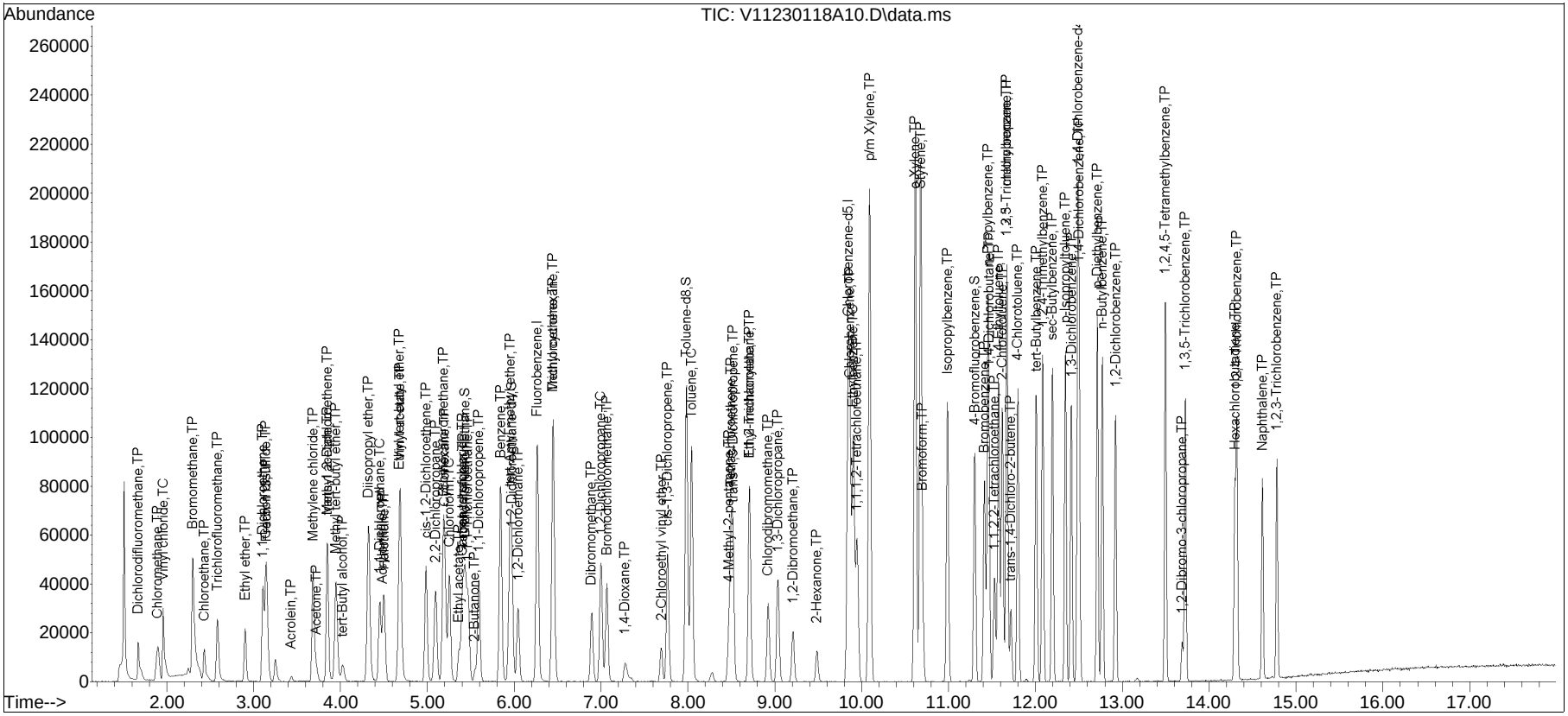
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A10.D
Acq On : 18 Jan 2023 02:46 pm
Operator : VOA111:MKS
Sample : I8260STD20PPB
Misc : WG1735211
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 19 11:35:52 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

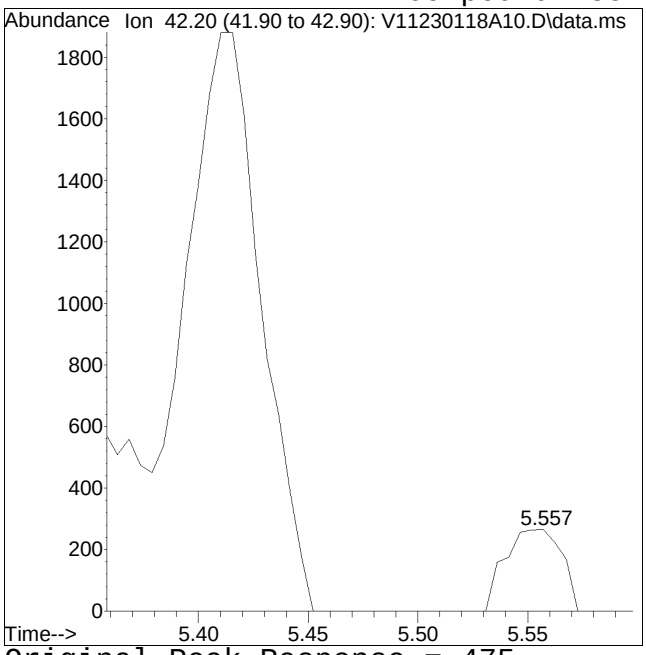
Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11230118A11.D•



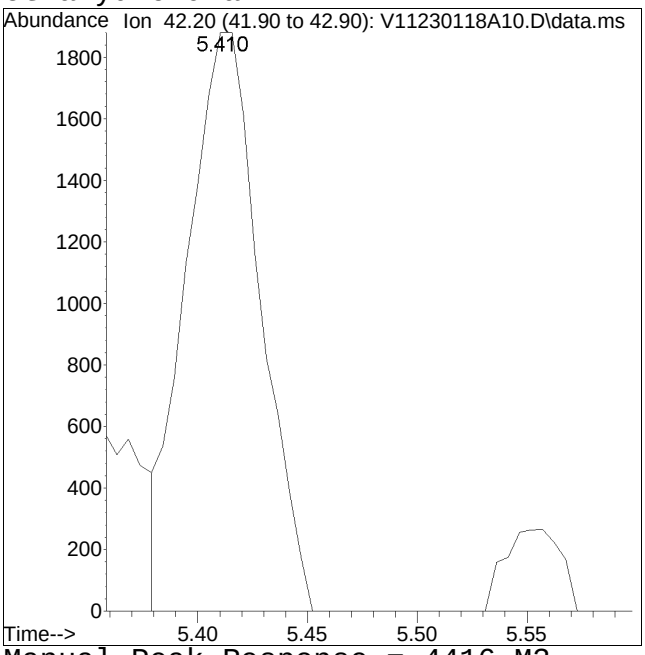
Manual Integration Report

Data Path : I:\VOLATILES\VOA111\2023\2QMethod : V111_230118_8260.m
Data File : V11230118A10.D Operator : VOA111:MKS
Date Inj'd : 1/18/2023 2:46 pm Instrument : VOA111
Sample : I8260STD20PPB Quant Date : 1/19/2023 11:22 am

Compound #35: Tetrahydrofuran



Original Peak Response = 475



Manual Peak Response = 4416 M3

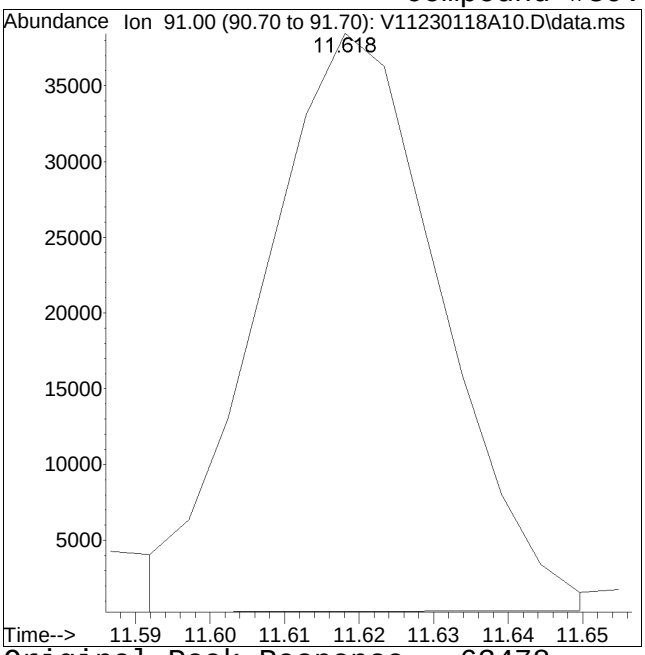
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

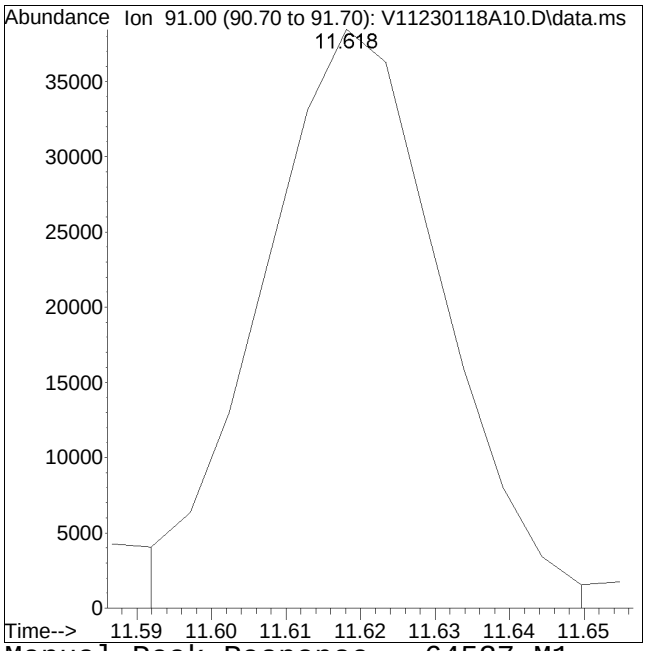
Data Path : I:\VOLATILES\VOA111\2023\2Q
Data File : V11230118A10.D
Date Inj'd : 1/18/2023 2:46 pm
Sample : I8260STD20PPB

Method : V111_230118_8260.m
Operator : VOA111:MKS
Instrument : VOA111
Quant Date : 1/19/2023 11:22 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 63478



Manual Peak Response = 64537 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A11.D
Acq On : 18 Jan 2023 03:13 pm
Operator : VOA111:MKS
Sample : I8260STD40PPB
Misc : WG1735211
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 19 11:19:59 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 10 19:34:21 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.270	96	101933	20.000	ug/L	0.00
Standard Area 1 = 101933			Recovery = 100.00%			
59) Chlorobenzene-d5	9.841	117	76687	20.000	ug/L	-0.01
Standard Area 1 = 76687			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.488	152	40493	20.000	ug/L	0.00
Standard Area 1 = 40493			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.436	113	25875	19.392	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.96%			
43) 1,2-Dichloroethane-d4	5.976	65	25561	18.061	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 90.31%			
60) Toluene-d8	7.984	98	99390	19.621	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.11%			
83) 4-Bromofluorobenzene	11.298	95	33467	18.375	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	38261	37.979	ug/L	98
3) Chloromethane	1.897	50	50193	41.445	ug/L	98
4) Vinyl chloride	1.960	62	59746	38.052	ug/L	97
5) Bromomethane	2.301	94	64010	59.395	ug/L	98
6) Chloroethane	2.432	64	29714	31.902	ug/L	95
7) Trichlorofluoromethane	2.584	101	53961	30.499	ug/L	99
8) Ethyl ether	2.904	74	20104	36.458	ug/L #	66
10) 1,1-Dichloroethene	3.108	96	34522	33.563	ug/L	81
11) Carbon disulfide	3.140	76	73698	29.705	ug/L	99
12) Freon-113	3.150	101	34285	32.048	ug/L	95
14) Acrolein	3.439	56	4707	27.350	ug/L	100
15) Methylene chloride	3.685	84	49904	36.471	ug/L	67
17) Acetone	3.717	43	12530	39.410	ug/L	95
18) trans-1,2-Dichloroethene	3.848	96	43061	35.224	ug/L	84
19) Methyl acetate	3.848	43	24666	32.518	ug/L #	83
20) Methyl tert-butyl ether	3.947	73	108213	33.739	ug/L	85
21) tert-Butyl alcohol	4.026	59	22414	172.848	ug/L	95
22) Diisopropyl ether	4.325	45	145475	35.350	ug/L #	90
23) 1,1-Dichloroethane	4.456	63	80755	35.538	ug/L	96
24) Halothane	4.503	117	30072	35.281	ug/L	98
25) Acrylonitrile	4.493	53	11650	35.320	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A11.D
Acq On : 18 Jan 2023 03:13 pm
Operator : VOA111:MKS
Sample : I8260STD40PPB
Misc : WG1735211
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 19 11:19:59 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 10 19:34:21 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.681	59	142916	34.210	ug/L		89
27) Vinyl acetate	4.687	43	91843	33.632	ug/L	#	92
28) cis-1,2-Dichloroethene	4.985	96	51315	37.209	ug/L	#	82
29) 2,2-Dichloropropane	5.096	77	61226	31.346	ug/L		88
30) Bromochloromethane	5.185	128	24473	39.909	ug/L	#	68
31) Cyclohexane	5.200	56	56737	27.985	ug/L	#	59
32) Chloroform	5.253	83	84594	35.170	ug/L		96
33) Ethyl acetate	5.363	43	38483	31.748	ug/L	#	95
34) Carbon tetrachloride	5.405	117	52130	31.790	ug/L		98
35) Tetrahydrofuran	5.410	42	10337	32.726	ug/L	#	59
37) 1,1,1-Trichloroethane	5.468	97	59623	32.813	ug/L		97
39) 2-Butanone	5.552	43	17311	33.873	ug/L		99
40) 1,1-Dichloropropene	5.594	75	51257	30.065	ug/L		99
41) Benzene	5.845	78	177054	35.661	ug/L		89
42) tert-Amyl methyl ether	5.950	73	132121	34.037	ug/L	#	87
44) 1,2-Dichloroethane	6.045	62	61744	34.803	ug/L		99
47) Methyl cyclohexane	6.448	83	61170	29.063	ug/L	#	68
48) Trichloroethene	6.448	95	44771	31.103	ug/L		98
50) Dibromomethane	6.889	93	29811	37.297	ug/L		96
51) 1,2-Dichloropropane	6.999	63	48920	36.673	ug/L		97
53) 2-Chloroethyl vinyl ether	7.691	63	18504	32.058	ug/L	#	78
54) Bromodichloromethane	7.067	83	67844	36.380	ug/L		100
57) 1,4-Dioxane	7.282	88	21462	1918.626	ug/L	#	72
58) cis-1,3-Dichloropropene	7.764	75	79448	36.587	ug/L	#	88
61) Toluene	8.042	92	106364	34.346	ug/L		94
62) 4-Methyl-2-pentanone	8.472	58	13858	34.275	ug/L	#	81
63) Tetrachloroethene	8.493	166	38932	29.709	ug/L		98
65) trans-1,3-Dichloropropene	8.519	75	71486	34.774	ug/L	#	82
67) Ethyl methacrylate	8.708	69	51157	31.451	ug/L		97
68) 1,1,2-Trichloroethane	8.708	83	34136	36.719	ug/L		100
69) Chlorodibromomethane	8.923	129	48057	35.754	ug/L		97
70) 1,3-Dichloropropane	9.033	76	68495	35.539	ug/L		100
71) 1,2-Dibromoethane	9.211	107	39647	35.415	ug/L		100
72) 2-Hexanone	9.484	43	25713	30.700	ug/L		92
73) Chlorobenzene	9.867	112	128911	37.708	ug/L		90
74) Ethylbenzene	9.903	91	200010	33.016	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.945	131	46965	35.297	ug/L		98
76) p/m Xylene	10.092	106	156802	68.936	ug/L		100
77) o Xylene	10.617	106	153414	69.931	ug/L		100
78) Styrene	10.679	104	268974	70.389	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A11.D
Acq On : 18 Jan 2023 03:13 pm
Operator : VOA111:MKS
Sample : I8260STD40PPB
Misc : WG1735211
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 19 11:19:59 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 10 19:34:21 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80)	Bromoform	10.700	173	30793	35.813	ug/L		99
82)	Isopropylbenzene	10.989	105	190991	33.611	ug/L		99
84)	Bromobenzene	11.413	156	54125	36.993	ug/L		100
85)	n-Propylbenzene	11.455	91	238491	33.700	ug/L		99
86)	1,4-Dichlorobutane	11.466	55	62363	33.442	ug/L		94
87)	1,1,2,2-Tetrachloroethane	11.529	83	51922	37.390	ug/L		100
88)	4-Ethyltoluene	11.576	105	196814	34.939	ug/L		100
89)	2-Chlorotoluene	11.618	91	144440	34.941	ug/L		91
90)	1,3,5-Trimethylbenzene	11.670	105	168977	34.422	ug/L		99
91)	1,2,3-Trichloropropane	11.670	75	40744	35.818	ug/L		99
92)	trans-1,4-Dichloro-2-b...	11.718	53	14869	35.802	ug/L	#	77
93)	4-Chlorotoluene	11.796	91	157010	36.002	ug/L		100
94)	tert-Butylbenzene	12.011	119	138037	34.414	ug/L		99
97)	1,2,4-Trimethylbenzene	12.085	105	174786	35.355	ug/L		98
98)	sec-Butylbenzene	12.195	105	210064	34.305	ug/L		99
99)	p-Isopropyltoluene	12.347	119	180675	34.887	ug/L		99
100)	1,3-Dichlorobenzene	12.415	146	106499	37.857	ug/L		100
101)	1,4-Dichlorobenzene	12.504	146	107705	37.770	ug/L		99
102)	p-Diethylbenzene	12.714	119	110691	35.765	ug/L		99
103)	n-Butylbenzene	12.771	91	169128	34.386	ug/L		98
104)	1,2-Dichlorobenzene	12.923	146	102316	38.963	ug/L		99
105)	1,2,4,5-Tetramethylben...	13.495	119	181903	37.789	ug/L		99
106)	1,2-Dibromo-3-chloropr...	13.689	155	7938	39.111	ug/L		98
107)	1,3,5-Trichlorobenzene	13.726	180	72849	36.049	ug/L		98
108)	Hexachlorobutadiene	14.297	225	28559	31.816	ug/L		99
109)	1,2,4-Trichlorobenzene	14.318	180	64147	36.651	ug/L		99
110)	Naphthalene	14.612	128	139451	38.985	ug/L		100
111)	1,2,3-Trichlorobenzene	14.780	180	55216	36.898	ug/L		98

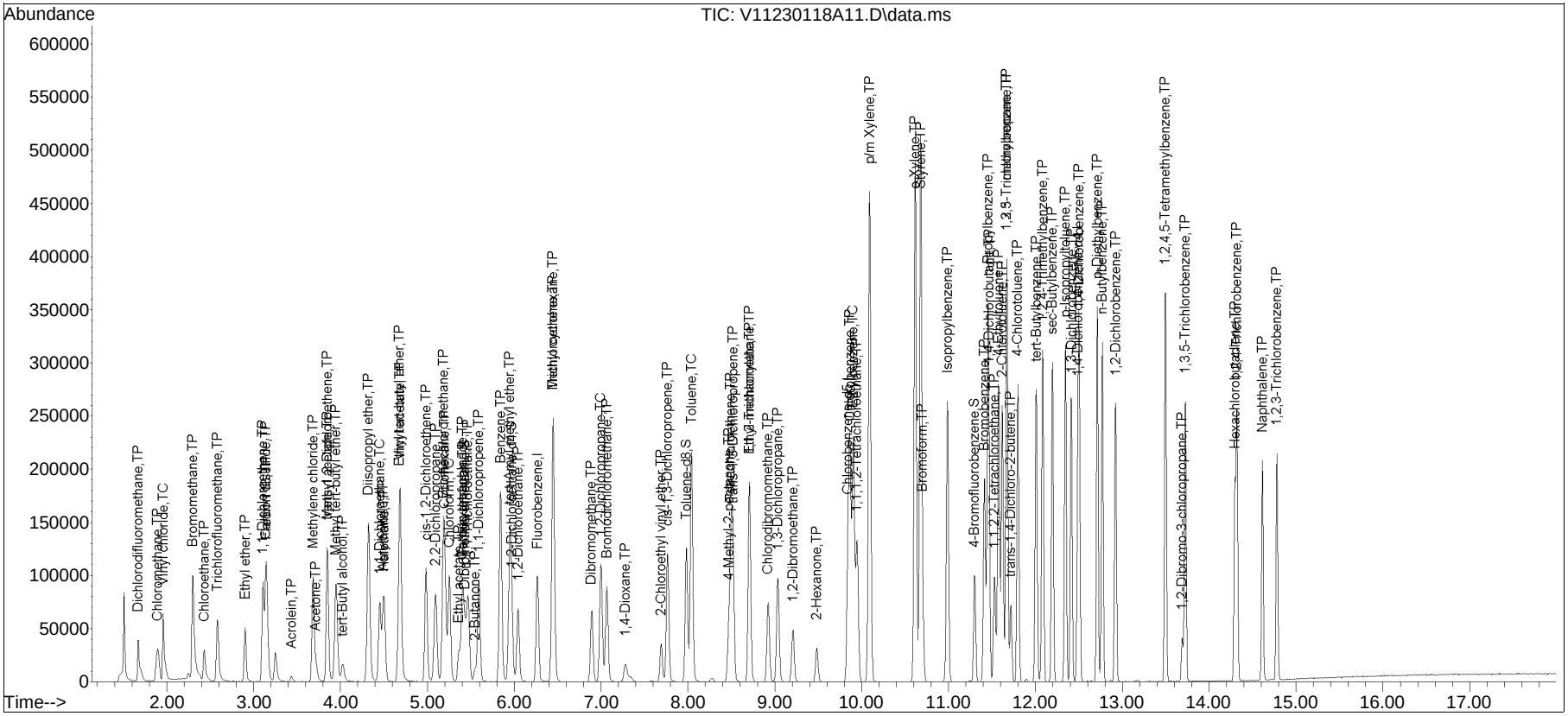
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A11.D
Acq On : 18 Jan 2023 03:13 pm
Operator : VOA111:MKS
Sample : I8260STD40PPB
Misc : WG1735211
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 19 11:19:59 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 10 19:34:21 2022
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11230118A11.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2Q	Method	: V111_230118_8260.m
Data File	: V11230118A11.D	Operator	: VOA111:MKS
Date Inj'd	: 1/18/2023 3:13 pm	Instrument	: VOA111
Sample	: I8260STD40PPB	Quant Date	: 1/19/2023 11:19 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A12.D
Acq On : 18 Jan 2023 03:40 pm
Operator : VOA111:MKS
Sample : I8260STD100PPB
Misc : WG1735211
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 19 11:37:14 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	111011	20.000	ug/L	0.00
Standard Area 1 = 101933			Recovery = 108.91%			
59) Chlorobenzene-d5	9.846	117	84114	20.000	ug/L	0.00
Standard Area 1 = 76687			Recovery = 109.68%			
79) 1,4-Dichlorobenzene-d4	12.488	152	45843	20.000	ug/L	0.00
Standard Area 1 = 40493			Recovery = 113.21%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.436	113	28331	20.108	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.54%			
43) 1,2-Dichloroethane-d4	5.971	65	28015	20.128	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.64%			
60) Toluene-d8	7.985	98	108814	19.963	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.82%			
83) 4-Bromofluorobenzene	11.298	95	37992	20.055	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.28%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	137979	132.454	ug/L	97
3) Chloromethane	1.897	50	159287	116.559	ug/L	97
4) Vinyl chloride	1.960	62	202480	124.475	ug/L	96
5) Bromomethane	2.301	94	188934	108.410	ug/L	99
6) Chloroethane	2.427	64	103744	128.236	ug/L	96
7) Trichlorofluoromethane	2.584	101	196965	134.066	ug/L	100
8) Ethyl ether	2.904	74	60587	110.689	ug/L #	67
10) 1,1-Dichloroethene	3.108	96	121903	129.696	ug/L	80
11) Carbon disulfide	3.140	76	250696	124.940	ug/L	98
12) Freon-113	3.150	101	130497	139.799	ug/L	95
14) Acrolein	3.434	56	15911	124.154	ug/L	97
15) Methylene chloride	3.685	84	150883	111.049	ug/L	66
17) Acetone	3.722	43	37473	109.844	ug/L	92
18) trans-1,2-Dichloroethene	3.848	96	142940	121.921	ug/L	83
19) Methyl acetate	3.848	43	76185	113.443	ug/L #	82
20) Methyl tert-butyl ether	3.947	73	331032	112.357	ug/L #	84
21) tert-Butyl alcohol	4.026	59	68985	565.216	ug/L	91
22) Diisopropyl ether	4.325	45	447572	113.001	ug/L #	90
23) 1,1-Dichloroethane	4.451	63	256065	116.463	ug/L	96
24) Halothane	4.498	117	105027	128.277	ug/L	99
25) Acrylonitrile	4.487	53	35885	113.135	ug/L	97

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A12.D
Acq On : 18 Jan 2023 03:40 pm
Operator : VOA111:MKS
Sample : I8260STD100PPB
Misc : WG1735211
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 19 11:37:14 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.681	59	443090	113.873	ug/L		87
27) Vinyl acetate	4.687	43	271940	108.752	ug/L	#	91
28) cis-1,2-Dichloroethene	4.985	96	162012	115.961	ug/L	#	81
29) 2,2-Dichloropropane	5.096	77	210887	126.509	ug/L		87
30) Bromochloromethane	5.185	128	74835	112.312	ug/L	#	66
31) Cyclohexane	5.200	56	223565	144.726	ug/L	#	60
32) Chloroform	5.253	83	271377	117.826	ug/L		94
33) Ethyl acetate	5.363	43	118478	113.078	ug/L	#	96
34) Carbon tetrachloride	5.405	117	189014	133.173	ug/L		98
35) Tetrahydrofuran	5.410	42	32114	114.106	ug/L	#	54
37) 1,1,1-Trichloroethane	5.468	97	207786	128.000	ug/L		97
39) 2-Butanone	5.547	43	53787	114.121	ug/L		98
40) 1,1-Dichloropropene	5.594	75	182004	130.418	ug/L		100
41) Benzene	5.845	78	562365	116.660	ug/L		89
42) tert-Amyl methyl ether	5.950	73	406016	112.870	ug/L	#	87
44) 1,2-Dichloroethane	6.045	62	184962	110.026	ug/L		98
47) Methyl cyclohexane	6.448	83	244054	146.540	ug/L	#	67
48) Trichloroethene	6.448	95	152732	125.297	ug/L		98
50) Dibromomethane	6.894	93	90372	111.344	ug/L		97
51) 1,2-Dichloropropane	6.999	63	149800	112.469	ug/L		96
53) 2-Chloroethyl vinyl ether	7.691	63	60993	121.066	ug/L	#	78
54) Bromodichloromethane	7.067	83	209105	113.204	ug/L		99
57) 1,4-Dioxane	7.277	88	56056	4796.569	ug/L	#	73
58) cis-1,3-Dichloropropene	7.764	75	245152	113.334	ug/L	#	87
61) Toluene	8.042	92	351586	120.545	ug/L		95
62) 4-Methyl-2-pentanone	8.467	58	43615	114.775	ug/L	#	79
63) Tetrachloroethene	8.498	166	141840	132.863	ug/L		98
65) trans-1,3-Dichloropropene	8.519	75	222740	113.629	ug/L	#	82
67) Ethyl methacrylate	8.708	69	163327	116.430	ug/L		95
68) 1,1,2-Trichloroethane	8.708	83	103388	110.451	ug/L		99
69) Chlorodibromomethane	8.923	129	150894	114.506	ug/L		98
70) 1,3-Dichloropropane	9.038	76	212189	112.974	ug/L		99
71) 1,2-Dibromoethane	9.206	107	123605	113.694	ug/L		99
72) 2-Hexanone	9.484	43	82406	116.874	ug/L		90
73) Chlorobenzene	9.867	112	409799	115.930	ug/L	#	89
74) Ethylbenzene	9.904	91	685199	124.933	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.945	131	149565	116.137	ug/L		99
76) p/m Xylene	10.092	106	532632	247.753	ug/L		99
77) o Xylene	10.617	106	518288	246.405	ug/L		100
78) Styrene	10.680	104	900426	244.164	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A12.D
Acq On : 18 Jan 2023 03:40 pm
Operator : VOA111:MKS
Sample : I8260STD100PPB
Misc : WG1735211
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 19 11:37:14 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80)	Bromoform	10.700	173	100702	115.545	ug/L		99
82)	Isopropylbenzene	10.989	105	687585	127.198	ug/L		100
84)	Bromobenzene	11.414	156	174186	113.706	ug/L		100
85)	n-Propylbenzene	11.455	91	854110	126.534	ug/L		99
86)	1,4-Dichlorobutane	11.466	55	199380	112.959	ug/L		95
87)	1,1,2,2-Tetrachloroethane	11.529	83	162927	110.869	ug/L		99
88)	4-Ethyltoluene	11.576	105	691924	124.214	ug/L		99
89)	2-Chlorotoluene	11.618	91	481885	117.875	ug/L		90
90)	1,3,5-Trimethylbenzene	11.670	105	587758	122.896	ug/L		99
91)	1,2,3-Trichloropropane	11.670	75	128254	111.218	ug/L		99
92)	trans-1,4-Dichloro-2-b...	11.718	53	45922	109.120	ug/L	#	74
93)	4-Chlorotoluene	11.796	91	514756	115.835	ug/L		99
94)	tert-Butylbenzene	12.011	119	496995	127.211	ug/L		99
97)	1,2,4-Trimethylbenzene	12.085	105	590138	119.293	ug/L		99
98)	sec-Butylbenzene	12.195	105	770919	129.665	ug/L		99
99)	p-Isopropyltoluene	12.347	119	661935	129.445	ug/L		99
100)	1,3-Dichlorobenzene	12.415	146	345470	114.612	ug/L		100
101)	1,4-Dichlorobenzene	12.504	146	346298	113.601	ug/L		99
102)	p-Diethylbenzene	12.714	119	397814	126.980	ug/L		99
103)	n-Butylbenzene	12.772	91	612416	127.938	ug/L		99
104)	1,2-Dichlorobenzene	12.924	146	325552	112.420	ug/L		99
105)	1,2,4,5-Tetramethylben...	13.495	119	615829	119.615	ug/L		99
106)	1,2-Dibromo-3-chloropr...	13.694	155	26240	116.794	ug/L		97
107)	1,3,5-Trichlorobenzene	13.726	180	240984	116.878	ug/L		99
108)	Hexachlorobutadiene	14.297	225	107332	132.786	ug/L		99
109)	1,2,4-Trichlorobenzene	14.318	180	207764	114.436	ug/L		99
110)	Naphthalene	14.612	128	449885	113.985	ug/L		100
111)	1,2,3-Trichlorobenzene	14.780	180	179888	115.108	ug/L		98

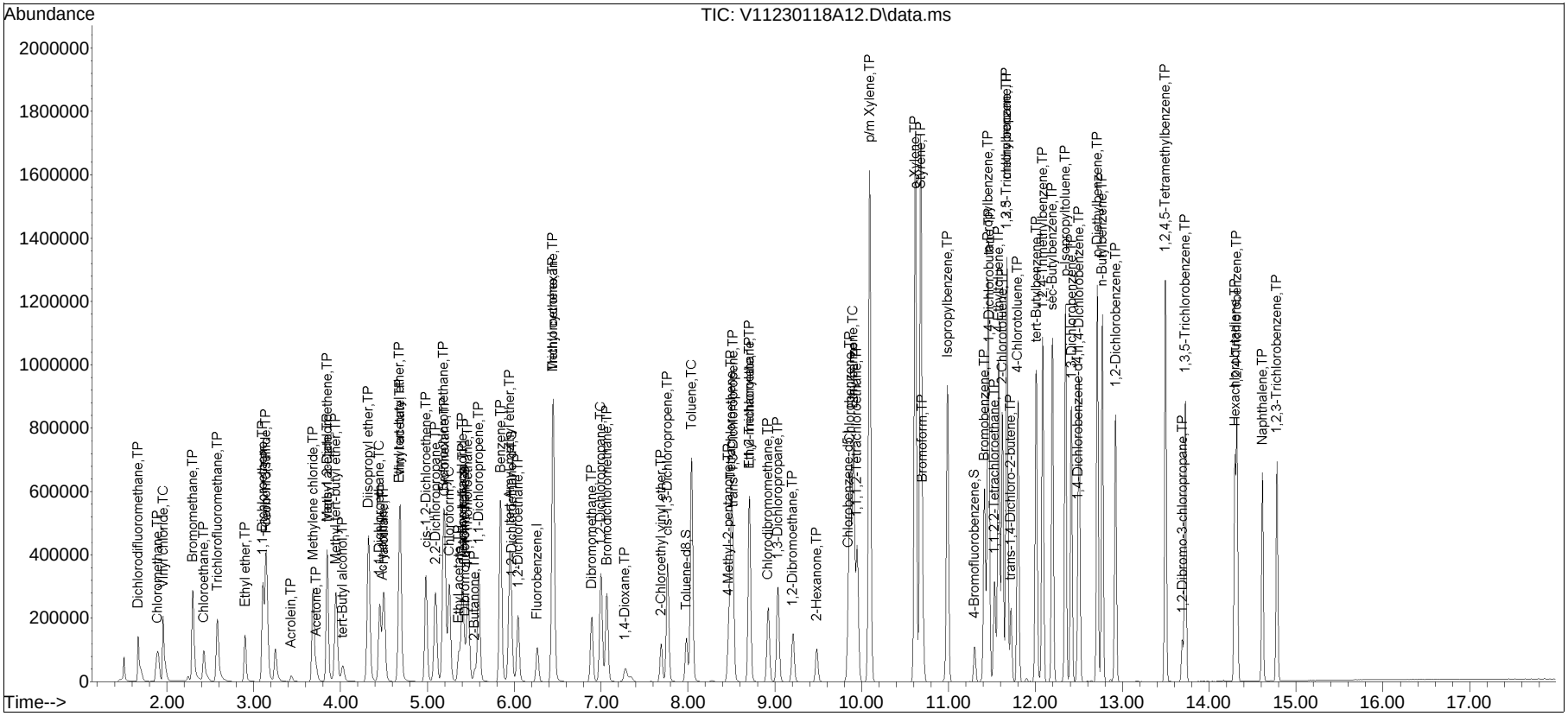
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A12.D
Acq On : 18 Jan 2023 03:40 pm
Operator : VOA111:MKS
Sample : I8260STD100PPB
Misc : WG1735211
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 19 11:37:14 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11230118A11.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2Q	Method	: V111_230118_8260.m
Data File	: V11230118A12.D	Operator	: VOA111:MKS
Date Inj'd	: 1/18/2023 3:40 pm	Instrument	: VOA111
Sample	: I8260STD100PPB	Quant Date	: 1/19/2023 11:22 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A13.D
Acq On : 18 Jan 2023 04:06 pm
Operator : VOA111:MKS
Sample : I8260STD200PPB
Misc : WG1735211
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 19 11:37:58 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	125897	20.000	ug/L	0.00
Standard Area 1 = 101933			Recovery = 123.51%			
59) Chlorobenzene-d5	9.846	117	98893	20.000	ug/L	0.00
Standard Area 1 = 76687			Recovery = 128.96%			
79) 1,4-Dichlorobenzene-d4	12.488	152	51348	20.000	ug/L	0.00
Standard Area 1 = 40493			Recovery = 126.81%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.436	113	32441	20.302	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.51%			
43) 1,2-Dichloroethane-d4	5.971	65	32018	20.284	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.42%			
60) Toluene-d8	7.984	98	125676	19.611	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.06%			
83) 4-Bromofluorobenzene	11.303	95	42771	20.157	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.79%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	342910	290.257	ug/L	97
3) Chloromethane	1.902	50	368630	237.852	ug/L	97
4) Vinyl chloride	1.960	62	463641	251.323	ug/L	96
5) Bromomethane	2.301	94	416337	210.648	ug/L	98
6) Chloroethane	2.422	64	286345	312.096	ug/L	96
7) Trichlorofluoromethane	2.584	101	498111	298.955	ug/L	100
8) Ethyl ether	2.904	74	144173	232.253	ug/L #	65
10) 1,1-Dichloroethene	3.108	96	299939	281.382	ug/L	80
11) Carbon disulfide	3.140	76	604554	265.668	ug/L	98
12) Freon-113	3.150	101	329346	311.105	ug/L	96
14) Acrolein	3.433	56	38742	266.561	ug/L	96
15) Methylene chloride	3.685	84	352518	228.773	ug/L	65
17) Acetone	3.722	43	82572	213.423	ug/L	91
18) trans-1,2-Dichloroethene	3.848	96	347472	261.334	ug/L	82
19) Methyl acetate	3.848	43	180545	237.053	ug/L #	81
20) Methyl tert-butyl ether	3.947	73	783761	234.565	ug/L #	83
21) tert-Butyl alcohol	4.026	59	154938	1119.355	ug/L	90
22) Diisopropyl ether	4.325	45	1055348	234.945	ug/L #	91
23) 1,1-Dichloroethane	4.451	63	605700	242.911	ug/L	95
24) Halothane	4.498	117	260721	280.784	ug/L	98
25) Acrylonitrile	4.487	53	84438	234.732	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A13.D
Acq On : 18 Jan 2023 04:06 pm
Operator : VOA111:MKS
Sample : I8260STD200PPB
Misc : WG1735211
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 19 11:37:58 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.681	59	1051157	238.202	ug/L		88
27) Vinyl acetate	4.687	43	671379	236.745	ug/L	#	90
28) cis-1,2-Dichloroethene	4.985	96	383751	242.195	ug/L	#	81
29) 2,2-Dichloropropane	5.096	77	511070	270.336	ug/L		86
30) Bromochloromethane	5.185	128	178082	235.663	ug/L	#	64
31) Cyclohexane	5.200	56	561321	320.409	ug/L	#	60
32) Chloroform	5.253	83	634171	242.787	ug/L		93
33) Ethyl acetate	5.363	43	273391	230.078	ug/L	#	95
34) Carbon tetrachloride	5.405	117	476868	296.258	ug/L		98
35) Tetrahydrofuran	5.410	42	73746	231.049	ug/L	#	54
37) 1,1,1-Trichloroethane	5.468	97	508360	276.132	ug/L		96
39) 2-Butanone	5.546	43	118215	221.162	ug/L		100
40) 1,1-Dichloropropene	5.594	75	444550	280.884	ug/L		100
41) Benzene	5.845	78	1336899	244.541	ug/L		89
42) tert-Amyl methyl ether	5.955	73	955420	234.197	ug/L	#	86
44) 1,2-Dichloroethane	6.045	62	427820	224.401	ug/L		97
47) Methyl cyclohexane	6.448	83	619300	327.885	ug/L	#	66
48) Trichloroethene	6.448	95	372182	269.227	ug/L		98
50) Dibromomethane	6.889	93	213560	232.008	ug/L		98
51) 1,2-Dichloropropane	6.999	63	352292	233.225	ug/L		96
53) 2-Chloroethyl vinyl ether	7.691	63	148537	259.973	ug/L	#	77
54) Bromodichloromethane	7.067	83	493468	235.563	ug/L		99
57) 1,4-Dioxane	7.282	88	127974	9655.638	ug/L	#	72
58) cis-1,3-Dichloropropene	7.764	75	583140	237.711	ug/L	#	86
61) Toluene	8.042	92	858236	250.281	ug/L		96
62) 4-Methyl-2-pentanone	8.467	58	104707	234.364	ug/L	#	77
63) Tetrachloroethene	8.498	166	357278	284.653	ug/L		99
65) trans-1,3-Dichloropropene	8.519	75	533526	231.500	ug/L	#	80
67) Ethyl methacrylate	8.708	69	401040	243.164	ug/L		95
68) 1,1,2-Trichloroethane	8.708	83	248224	225.552	ug/L		99
69) Chlorodibromomethane	8.923	129	366279	236.413	ug/L		97
70) 1,3-Dichloropropane	9.038	76	498227	225.624	ug/L		100
71) 1,2-Dibromoethane	9.211	107	299076	233.985	ug/L		99
72) 2-Hexanone	9.484	43	191785	231.355	ug/L		89
73) Chlorobenzene	9.867	112	994105	239.199	ug/L		90
74) Ethylbenzene	9.903	91	1672179	259.327	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.945	131	361259	238.595	ug/L		99
76) p/m Xylene	10.092	106	1317973	521.436	ug/L		100
77) o Xylene	10.617	106	1280431	517.771	ug/L		98
78) Styrene	10.679	104	2189896	505.079	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A13.D
Acq On : 18 Jan 2023 04:06 pm
Operator : VOA111:MKS
Sample : I8260STD200PPB
Misc : WG1735211
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 19 11:37:58 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	10.700	173	248411	254.469	ug/L		99
82) Isopropylbenzene	10.989	105	1656555	273.596	ug/L		100
84) Bromobenzene	11.413	156	414615	241.637	ug/L		100
85) n-Propylbenzene	11.455	91	2043223	270.247	ug/L		100
86) 1,4-Dichlorobutane	11.466	55	459354	232.347	ug/L		95
87) 1,1,2,2-Tetrachloroethane	11.529	83	377842	229.549	ug/L		99
88) 4-Ethyltoluene	11.581	105	1635010	262.048	ug/L		100
89) 2-Chlorotoluene	11.618	91	1129041	246.569	ug/L		91
90) 1,3,5-Trimethylbenzene	11.676	105	1405395	262.354	ug/L		100
91) 1,2,3-Trichloropropane	11.670	75	300285	232.480	ug/L		99
92) trans-1,4-Dichloro-2-b...	11.718	53	104596	221.896	ug/L	#	73
93) 4-Chlorotoluene	11.801	91	1181303	237.329	ug/L		100
94) tert-Butylbenzene	12.011	119	1197393	273.626	ug/L		99
97) 1,2,4-Trimethylbenzene	12.085	105	1386277	250.184	ug/L		99
98) sec-Butylbenzene	12.195	105	1830128	274.819	ug/L		100
99) p-Isopropyltoluene	12.347	119	1569137	273.955	ug/L		99
100) 1,3-Dichlorobenzene	12.415	146	790927	234.265	ug/L		100
101) 1,4-Dichlorobenzene	12.504	146	794040	232.554	ug/L		99
102) p-Diethylbenzene	12.714	119	947950	270.140	ug/L		99
103) n-Butylbenzene	12.771	91	1407867	262.581	ug/L		100
104) 1,2-Dichlorobenzene	12.923	146	746810	230.241	ug/L		100
105) 1,2,4,5-Tetramethylben...	13.500	119	1458850	252.981	ug/L		100
106) 1,2-Dibromo-3-chloropr...	13.694	155	60706	241.233	ug/L		98
107) 1,3,5-Trichlorobenzene	13.726	180	554881	240.266	ug/L		99
108) Hexachlorobutadiene	14.297	225	255738	282.468	ug/L		99
109) 1,2,4-Trichlorobenzene	14.318	180	473325	232.755	ug/L		99
110) Naphthalene	14.612	128	1019601	230.635	ug/L		100
111) 1,2,3-Trichlorobenzene	14.780	180	401503	229.372	ug/L		98

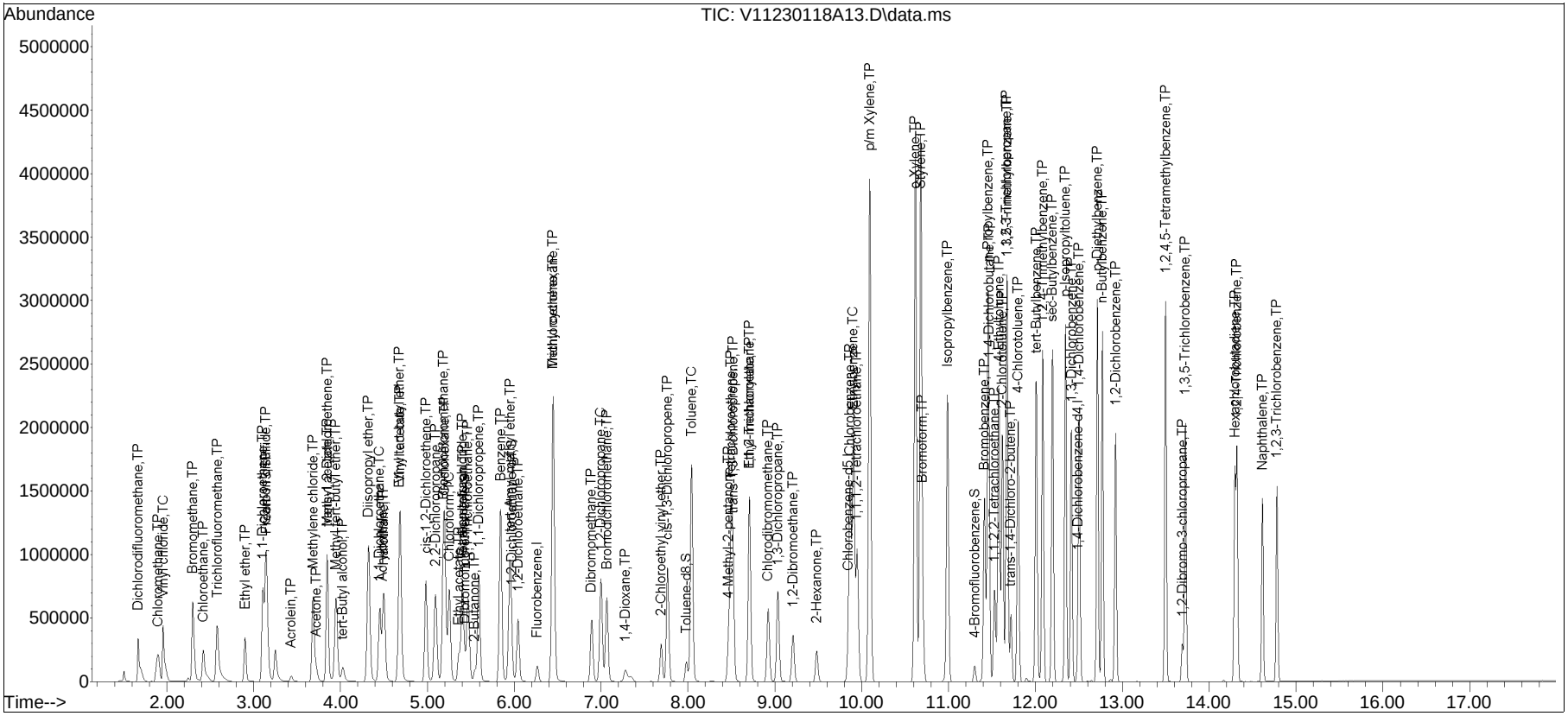
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A13.D
Acq On : 18 Jan 2023 04:06 pm
Operator : VOA111:MKS
Sample : I8260STD200PPB
Misc : WG1735211
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 19 11:37:58 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11230118A11.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2Q	Method	: V111_230118_8260.m
Data File	: V11230118A13.D	Operator	: VOA111:MKS
Date Inj'd	: 1/18/2023 4:06 pm	Instrument	: VOA111
Sample	: I8260STD200PPB	Quant Date	: 1/19/2023 11:22 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A14.D
Acq On : 18 Jan 2023 04:33 pm
Operator : VOA111:MKS
Sample : I8260STD300PPB
Misc : WG1735211
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 19 11:38:46 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	132679	20.000	ug/L	0.00
Standard Area 1 = 101933			Recovery = 130.16%			
59) Chlorobenzene-d5	9.846	117	103583	20.000	ug/L	0.00
Standard Area 1 = 76687			Recovery = 135.07%			
79) 1,4-Dichlorobenzene-d4	12.488	152	50299	20.000	ug/L	0.00
Standard Area 1 = 40493			Recovery = 124.22%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.436	113	34728	20.623	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.11%			
43) 1,2-Dichloroethane-d4	5.976	65	33768	20.299	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.50%			
60) Toluene-d8	7.985	98	131683	19.618	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.09%			
83) 4-Bromofluorobenzene	11.303	95	43067	20.719	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	522055	419.307	ug/L	97
3) Chloromethane	1.897	50	564126	345.387	ug/L	97
4) Vinyl chloride	1.955	62	691409	355.630	ug/L	96
5) Bromomethane	2.296	94	652885	313.445	ug/L	98
6) Chloroethane	2.411	64	504966	522.244	ug/L	96
7) Trichlorofluoromethane	2.579	101	824630	469.626	ug/L	100
8) Ethyl ether	2.904	74	227809	348.226	ug/L #	64
10) 1,1-Dichloroethene	3.103	96	484342	431.150	ug/L	78
11) Carbon disulfide	3.135	76	959858	400.243	ug/L	98
12) Freon-113	3.145	101	520046	466.133	ug/L	97
14) Acrolein	3.434	56	59175	386.337	ug/L	99
15) Methylene chloride	3.685	84	556621	342.765	ug/L #	65
17) Acetone	3.722	43	124238	304.702	ug/L	90
18) trans-1,2-Dichloroethene	3.848	96	553145	394.755	ug/L	82
19) Methyl acetate	3.848	43	272474	339.468	ug/L #	80
20) Methyl tert-butyl ether	3.947	73	1224273	347.673	ug/L #	82
21) tert-Butyl alcohol	4.031	59	237200	1626.065	ug/L	91
22) Diisopropyl ether	4.325	45	1640797	346.608	ug/L #	90
23) 1,1-Dichloroethane	4.451	63	945186	359.683	ug/L	95
24) Halothane	4.498	117	414549	423.629	ug/L	99
25) Acrylonitrile	4.487	53	127847	337.239	ug/L	95

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A14.D
Acq On : 18 Jan 2023 04:33 pm
Operator : VOA111:MKS
Sample : I8260STD300PPB
Misc : WG1735211
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 19 11:38:46 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.681	59	1653113	355.463	ug/L		87
27) Vinyl acetate	4.687	43	1013342	339.065	ug/L	#	89
28) cis-1,2-Dichloroethene	4.986	96	610828	365.803	ug/L	#	80
29) 2,2-Dichloropropane	5.096	77	800511	401.795	ug/L		85
30) Bromochloromethane	5.185	128	293148	368.106	ug/L	#	60
31) Cyclohexane	5.201	56	877826	475.461	ug/L	#	57
32) Chloroform	5.253	83	1019651	370.412	ug/L		93
33) Ethyl acetate	5.363	43	410249	327.606	ug/L	#	95
34) Carbon tetrachloride	5.405	117	760425	448.272	ug/L		98
35) Tetrahydrofuran	5.410	42	105936	314.936	ug/L	#	47
37) 1,1,1-Trichloroethane	5.468	97	799403	412.026	ug/L		95
39) 2-Butanone	5.547	43	174989	310.643	ug/L		99
40) 1,1-Dichloropropene	5.594	75	696933	417.840	ug/L		100
41) Benzene	5.845	78	2108890	366.033	ug/L	#	89
42) tert-Amyl methyl ether	5.950	73	1484796	345.356	ug/L	#	86
44) 1,2-Dichloroethane	6.045	62	659974	328.477	ug/L		97
47) Methyl cyclohexane	6.448	83	984152	494.420	ug/L	#	65
48) Trichloroethene	6.448	95	600460	412.154	ug/L		99
50) Dibromomethane	6.894	93	331654	341.886	ug/L		99
51) 1,2-Dichloropropane	6.999	63	545983	342.977	ug/L		96
53) 2-Chloroethyl vinyl ether	7.691	63	227109	377.174	ug/L	#	76
54) Bromodichloromethane	7.067	83	772773	350.036	ug/L		100
57) 1,4-Dioxane	7.282	88	194975	13958.905	ug/L	#	71
58) cis-1,3-Dichloropropene	7.764	75	912909	353.116	ug/L	#	86
61) Toluene	8.042	92	1361411	379.042	ug/L		96
62) 4-Methyl-2-pentanone	8.472	58	159380	340.586	ug/L	#	75
63) Tetrachloroethene	8.498	166	578791	440.259	ug/L		99
65) trans-1,3-Dichloropropene	8.519	75	828620	343.264	ug/L	#	80
67) Ethyl methacrylate	8.708	69	620958	359.460	ug/L		95
68) 1,1,2-Trichloroethane	8.708	83	384238	333.335	ug/L		99
69) Chlorodibromomethane	8.923	129	572480	352.774	ug/L		97
70) 1,3-Dichloropropane	9.038	76	760825	328.942	ug/L		100
71) 1,2-Dibromoethane	9.211	107	457143	341.456	ug/L		99
72) 2-Hexanone	9.484	43	282410	325.252	ug/L		89
73) Chlorobenzene	9.867	112	1573289	361.420	ug/L		90
74) Ethylbenzene	9.909	91	2610571	386.525	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.951	131	568950	358.751	ug/L		99
76) p/m Xylene	10.092	106	2138363	807.706	ug/L		99
77) o Xylene	10.622	106	2046665	790.142	ug/L		97
78) Styrene	10.685	104	3480907	766.488	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A14.D
Acq On : 18 Jan 2023 04:33 pm
Operator : VOA111:MKS
Sample : I8260STD300PPB
Misc : WG1735211
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 19 11:38:46 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80)	Bromoform	10.706	173	388711	406.495	ug/L		99
82)	Isopropylbenzene	10.989	105	2554753	430.741	ug/L		100
84)	Bromobenzene	11.414	156	636586	378.739	ug/L		100
85)	n-Propylbenzene	11.456	91	3125193	421.974	ug/L		99
86)	1,4-Dichlorobutane	11.466	55	682520	352.427	ug/L		94
87)	1,1,2,2-Tetrachloroethane	11.529	83	548186	339.983	ug/L		99
88)	4-Ethyltoluene	11.581	105	2495087	408.235	ug/L		99
89)	2-Chlorotoluene	11.623	91	1726574	384.927	ug/L		90
90)	1,3,5-Trimethylbenzene	11.676	105	2177684	415.000	ug/L		100
91)	1,2,3-Trichloropropane	11.671	75	447288	353.512	ug/L		98
92)	trans-1,4-Dichloro-2-b...	11.718	53	151486	328.074	ug/L	#	71
93)	4-Chlorotoluene	11.802	91	1799725	369.113	ug/L		99
94)	tert-Butylbenzene	12.011	119	1827714	426.377	ug/L		99
97)	1,2,4-Trimethylbenzene	12.085	105	2102259	387.311	ug/L		100
98)	sec-Butylbenzene	12.195	105	2757869	422.768	ug/L		99
99)	p-Isopropyltoluene	12.347	119	2391013	426.152	ug/L		99
100)	1,3-Dichlorobenzene	12.415	146	1207224	365.025	ug/L		100
101)	1,4-Dichlorobenzene	12.504	146	1196007	357.584	ug/L		99
102)	p-Diethylbenzene	12.714	119	1440768	419.143	ug/L		99
103)	n-Butylbenzene	12.772	91	2123693	404.349	ug/L		100
104)	1,2-Dichlorobenzene	12.924	146	1103301	347.241	ug/L		100
105)	1,2,4,5-Tetramethylben...	13.500	119	2209672	391.173	ug/L		100
106)	1,2-Dibromo-3-chloropr...	13.694	155	85390	346.399	ug/L		98
107)	1,3,5-Trichlorobenzene	13.726	180	839239	370.973	ug/L		98
108)	Hexachlorobutadiene	14.297	225	380747	429.313	ug/L		99
109)	1,2,4-Trichlorobenzene	14.324	180	697344	350.067	ug/L		99
110)	Naphthalene	14.612	128	1404553	324.337	ug/L		100
111)	1,2,3-Trichlorobenzene	14.780	180	569560	332.166	ug/L		97

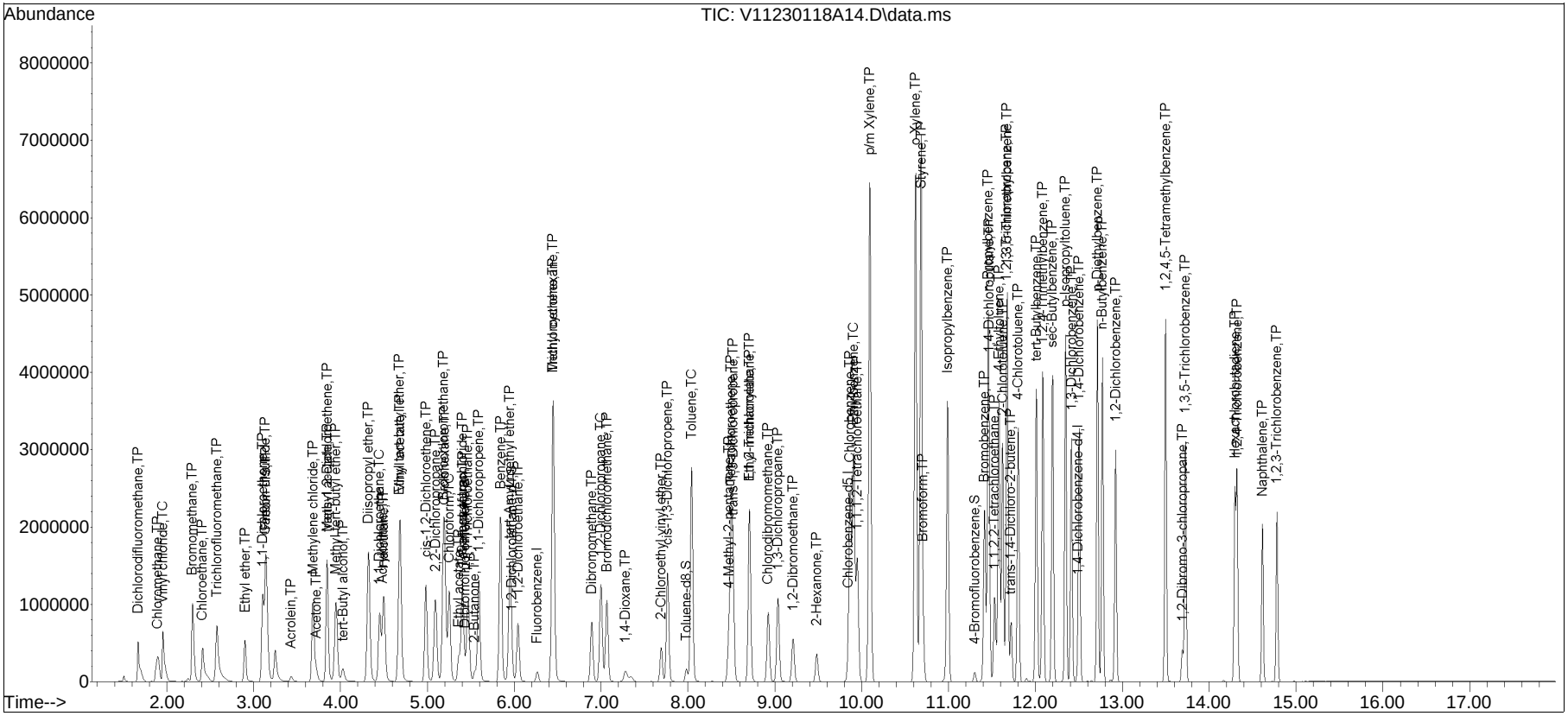
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A14.D
Acq On : 18 Jan 2023 04:33 pm
Operator : VOA111:MKS
Sample : I8260STD300PPB
Misc : WG1735211
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 19 11:38:46 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11230118A11.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2Q	Method	: V111_230118_8260.m
Data File	: V11230118A14.D	Operator	: VOA111:MKS
Date Inj'd	: 1/18/2023 4:33 pm	Instrument	: VOA111
Sample	: I8260STD300PPB	Quant Date	: 1/19/2023 11:22 am

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A19.D
Acq On : 18 Jan 2023 06:47 pm
Operator : VOA111:MKS
Sample : C8260STD40PPB
Misc : WG1735211
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 19 11:51:31 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
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	108	0.00
2	TP	Dichlorodifluoromethane		0.234	0.208	11.1	120	0.00
3	TP	Chloromethane		0.273	0.273	0.0	120	0.00
4	TC	Vinyl chloride		0.337	0.312	7.4	115	0.00
5	TP	Bromomethane		0.370	0.312	15.7	108	0.00
6	TP	Chloroethane		0.150	0.151	-0.7	112	0.00
7	TP	Trichlorofluoromethane	*	40.000	34.496	13.8	108	0.00
8	TP	Ethyl ether		0.100	0.133	-33.0#	146	0.00
10	TP	1,1-Dichloroethene		0.200	0.157	21.5#	101	0.00
11	TP	Carbon disulfide		0.446	0.620	-39.0#	186	0.00
12	TP	Freon-113	*	40.000	33.947	15.1	112	0.00
14	TP	Acrolein		0.027	0.028	-3.7	132	0.00
15	TP	Methylene chloride		0.289	0.235	18.7	104	0.00
17	TP	Acetone		0.068	0.054	20.6#	95	0.00
18	TP	trans-1,2-Dichloroethene		0.238	0.208	12.6	107	-0.01
19	TP	Methyl acetate		0.131	0.124	5.3	111	0.00
20	TP	Methyl tert-butyl ether		0.562	0.634	-12.8	129	-0.01
21	TP	tert-Butyl alcohol		0.022	0.025	-13.6	123	0.00
22	TP	Diisopropyl ether		0.743	0.747	-0.5	113	0.00
23	TC	1,1-Dichloroethane		0.431	0.393	8.8	107	0.00
24	TP	Halothane		0.180	0.146	18.9	107	0.00
25	TP	Acrylonitrile		0.057	0.065	-14.0	124	0.00
26	TP	Ethyl tert-butyl ether		0.732	0.731	0.1	113	0.00
27	TP	Vinyl acetate		0.472	0.420	11.0	101	0.00
28	TP	cis-1,2-Dichloroethene		0.270	0.237	12.2	102	0.00
29	TP	2,2-Dichloropropane		0.353	0.286	19.0	103	0.00
30	TP	Bromochloromethane		0.125	0.110	12.0	99	0.00
31	TP	Cyclohexane	*	40.000	32.315	19.2	108	0.00
32	TC	Chloroform		0.454	0.412	9.3	107	0.00
33	TP	Ethyl acetate		0.198	0.184	7.1	105	0.00
34	TP	Carbon tetrachloride		0.310	0.246	20.6#	104	0.00
35	TP	Tetrahydrofuran		0.053	0.058	-9.4	124	-0.01
36	S	Dibromofluoromethane		0.257	0.251	2.3	107	0.00
37	TP	1,1,1-Trichloroethane		0.338	0.303	10.4	112	-0.01
39	TP	2-Butanone		0.088	0.081	8.0	103	-0.01
40	TP	1,1-Dichloropropene	*	40.000	33.026	17.4	103	-0.01
41	TP	Benzene		0.945	0.852	9.8	106	0.00
42	TP	tert-Amyl methyl ether		0.670	0.673	-0.4	112	-0.01
43	S	1,2-Dichloroethane-d4		0.254	0.248	2.4	107	-0.01

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A19.D
Acq On : 18 Jan 2023 06:47 pm
Operator : VOA111:MKS
Sample : C8260STD40PPB
Misc : WG1735211
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 19 11:51:31 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
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)
44	TP	1,2-Dichloroethane	0.320	0.281	12.2	100	0.00
47	TP	Methyl cyclohexane	* 40.000	32.516	18.7	109	0.00
48	TP	Trichloroethene	0.242	0.216	10.7	106	-0.01
50	TP	Dibromomethane	0.151	0.133	11.9	98	0.00
51	TC	1,2-Dichloropropane	0.248	0.225	9.3	102	0.00
53	TP	2-Chloroethyl vinyl ether	0.097	0.103	-6.2	123	-0.01
54	TP	Bromodichloromethane	0.347	0.310	10.7	101	0.00
57	TP	1,4-Dioxane	*2000.000	2017.954	-0.9	102	0.00
58	TP	cis-1,3-Dichloropropene	0.394	0.357	9.4	99	-0.01
59	I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00
60	S	Toluene-d8	1.296	1.321	-1.9	108	0.00
61	TC	Toluene	0.773	0.692	10.5	106	0.00
62	TP	4-Methyl-2-pentanone	* 40.000	37.405	6.5	109	0.00
63	TP	Tetrachloroethene	* 40.000	34.738	13.2	107	0.00
65	TP	trans-1,3-Dichloropropene	0.481	0.435	9.6	99	0.00
67	TP	Ethyl methacrylate	0.343	0.398	-16.0	126	0.00
68	TP	1,1,2-Trichloroethane	0.230	0.207	10.0	99	0.00
69	TP	Chlorodibromomethane	0.324	0.303	6.5	102	0.00
70	TP	1,3-Dichloropropane	0.464	0.427	8.0	101	-0.01
71	TP	1,2-Dibromoethane	0.258	0.249	3.5	102	0.00
72	TP	2-Hexanone	0.167	0.168	-0.6	106	0.00
73	TP	Chlorobenzene	0.903	0.815	9.7	103	0.00
74	TC	Ethylbenzene	1.456	1.316	9.6	107	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.309	0.294	4.9	102	0.00
76	TP	p/m Xylene	0.555	0.506	8.8	105	0.00
77	TP	o Xylene	0.536	0.552	-3.0	117	0.00
78	TP	Styrene	0.905	0.958	-5.9	116	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
80	TP	Bromoform	0.400	0.357	10.8	98	0.00
82	TP	Isopropylbenzene	2.709	2.418	10.7	107	0.00
83	S	4-Bromofluorobenzene	0.843	0.838	0.6	106	0.00
84	TP	Bromobenzene	0.721	0.640	11.2	100	0.00
85	TP	n-Propylbenzene	3.386	2.991	11.7	106	0.00
86	TP	1,4-Dichlorobutane	0.823	0.949	-15.3	129	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.679	0.597	12.1	98	0.00
88	TP	4-Ethyltoluene	2.714	2.879	-6.1	124	0.00
89	TP	2-Chlorotoluene	1.986	1.784	10.2	105	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A19.D
Acq On : 18 Jan 2023 06:47 pm
Operator : VOA111:MKS
Sample : C8260STD40PPB
Misc : WG1735211
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 19 11:51:31 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
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	2.310	2.075	10.2	104	0.00
91 TP	1,2,3-Trichloropropane	0.532	0.472	11.3	98	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.177	0.214	-20.9#	122	0.00
93 TP	4-Chlorotoluene	2.064	1.903	7.8	103	0.00
94 TP	tert-Butylbenzene	1.950	1.715	12.1	105	0.00
97 TP	1,2,4-Trimethylbenzene	2.300	2.179	5.3	106	0.00
98 TP	sec-Butylbenzene	2.953	2.607	11.7	105	0.00
99 TP	p-Isopropyltoluene	2.520	2.212	12.2	104	0.00
100 TP	1,3-Dichlorobenzene	1.397	1.279	8.4	102	0.00
101 TP	1,4-Dichlorobenzene	1.435	1.301	9.3	103	0.00
102 TP	p-Diethylbenzene	1.513	1.542	-1.9	118	0.00
103 TP	n-Butylbenzene	2.324	2.171	6.6	109	0.00
104 TP	1,2-Dichlorobenzene	1.322	1.204	8.9	100	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.363	2.442	-3.3	114	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.100	0.093	7.0	99	0.00
107 TP	1,3,5-Trichlorobenzene	0.965	0.824	14.6	96	0.00
108 TP	Hexachlorobutadiene	0.410	0.340	17.1	101	0.00
109 TP	1,2,4-Trichlorobenzene	0.834	0.763	8.5	101	0.00
110 TP	Naphthalene	1.792	1.661	7.3	101	0.00
111 TP	1,2,3-Trichlorobenzene	0.696	0.650	6.6	100	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A19.D
Acq On : 18 Jan 2023 06:47 pm
Operator : VOA111:MKS
Sample : C8260STD40PPB
Misc : WG1735211
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 19 11:51:31 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	110223	20.000	ug/L	0.00
Standard Area 1 = 101933			Recovery = 108.13%			
59) Chlorobenzene-d5	9.846	117	81114	20.000	ug/L	0.00
Standard Area 1 = 76687			Recovery = 105.77%			
79) 1,4-Dichlorobenzene-d4	12.488	152	42450	20.000	ug/L	0.00
Standard Area 1 = 40493			Recovery = 104.83%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.436	113	27679	19.580	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.90%			
43) 1,2-Dichloroethane-d4	5.971	65	27387	19.540	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.70%			
60) Toluene-d8	7.985	98	107168	20.382	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.91%			
83) 4-Bromofluorobenzene	11.298	95	35575	19.875	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.38%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	45816	35.552	ug/L	98
3) Chloromethane	1.897	50	60285	40.039	ug/L	98
4) Vinyl chloride	1.960	62	68843	37.108	ug/L	96
5) Bromomethane	2.301	94	68876	33.795	ug/L	98
6) Chloroethane	2.427	64	33178	40.188	ug/L	95
7) Trichlorofluoromethane	2.584	101	58079	34.496	ug/L	99
8) Ethyl ether	2.904	74	29282	53.394	ug/L #	67
10) 1,1-Dichloroethene	3.108	96	34713	31.514	ug/L	81
11) Carbon disulfide	3.140	76	136752	55.586	ug/L	100
12) Freon-113	3.150	101	38233	33.947	ug/L	95
14) Acrolein	3.434	56	6197	42.355	ug/L	97
15) Methylene chloride	3.685	84	51862	32.507	ug/L	67
17) Acetone	3.722	43	11873	31.756	ug/L	95
18) trans-1,2-Dichloroethene	3.848	96	45895	34.954	ug/L	82
19) Methyl acetate	3.848	43	27426	38.032	ug/L #	85
20) Methyl tert-butyl ether	3.947	73	139713	45.131	ug/L	84
21) tert-Butyl alcohol	4.026	59	27672	228.080	ug/L	95
22) Diisopropyl ether	4.325	45	164670	40.208	ug/L #	89
23) 1,1-Dichloroethane	4.451	63	86592	36.470	ug/L	96
24) Halothane	4.503	117	32081	32.428	ug/L	100
25) Acrylonitrile	4.493	53	14412	45.791	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A19.D
Acq On : 18 Jan 2023 06:47 pm
Operator : VOA111:MKS
Sample : C8260STD40PPB
Misc : WG1735211
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 19 11:51:31 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.681	59	161082	39.907	ug/L		85
27) Vinyl acetate	4.687	43	92592	35.610	ug/L	#	92
28) cis-1,2-Dichloroethene	4.986	96	52293	35.155	ug/L	#	83
29) 2,2-Dichloropropane	5.096	77	62940	32.390	ug/L		88
30) Bromochloromethane	5.180	128	24166	34.971	ug/L	#	68
31) Cyclohexane	5.200	56	61481	32.315	ug/L	#	58
32) Chloroform	5.253	83	90743	36.261	ug/L		95
33) Ethyl acetate	5.363	43	40470	37.120	ug/L	#	95
34) Carbon tetrachloride	5.405	117	54206	31.678	ug/L		98
35) Tetrahydrofuran	5.410	42	12858	44.218	ug/L	#	61
37) 1,1,1-Trichloroethane	5.468	97	66765	35.832	ug/L		97
39) 2-Butanone	5.547	43	17821	36.698	ug/L		98
40) 1,1-Dichloropropene	5.588	75	53014	33.026	ug/L		99
41) Benzene	5.840	78	187849	36.067	ug/L	#	89
42) tert-Amyl methyl ether	5.950	73	148250	40.154	ug/L	#	86
44) 1,2-Dichloroethane	6.045	62	62029	35.142	ug/L		97
47) Methyl cyclohexane	6.448	83	66629	32.516	ug/L	#	67
48) Trichloroethene	6.448	95	47591	35.636	ug/L		97
50) Dibromomethane	6.894	93	29339	35.305	ug/L		97
51) 1,2-Dichloropropane	6.999	63	49673	36.383	ug/L		96
53) 2-Chloroethyl vinyl ether	7.691	63	22773	42.728	ug/L	#	78
54) Bromodichloromethane	7.067	83	68313	35.771	ug/L		99
57) 1,4-Dioxane	7.282	88	21979	2017.954	ug/L	#	74
58) cis-1,3-Dichloropropene	7.764	75	78770	36.263	ug/L	#	88
61) Toluene	8.042	92	112246	35.803	ug/L		96
62) 4-Methyl-2-pentanone	8.472	58	15124	37.405	ug/L	#	77
63) Tetrachloroethene	8.498	166	41532	34.738	ug/L		99
65) trans-1,3-Dichloropropene	8.519	75	70548	36.182	ug/L	#	82
67) Ethyl methacrylate	8.708	69	64572	46.371	ug/L		88
68) 1,1,2-Trichloroethane	8.708	83	33654	36.129	ug/L		97
69) Chlorodibromomethane	8.923	129	49150	37.413	ug/L		97
70) 1,3-Dichloropropane	9.033	76	69243	36.782	ug/L		99
71) 1,2-Dibromoethane	9.211	107	40468	38.610	ug/L		98
72) 2-Hexanone	9.484	43	27193	40.237	ug/L		92
73) Chlorobenzene	9.867	112	132261	36.114	ug/L	#	89
74) Ethylbenzene	9.904	91	213512	36.148	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.945	131	47766	38.055	ug/L		99
76) p/m Xylene	10.092	106	164276	73.011	ug/L		99
77) o Xylene	10.617	106	178993	82.310	ug/L		100
78) Styrene	10.680	104	310818	84.647	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A19.D
Acq On : 18 Jan 2023 06:47 pm
Operator : VOA111:MKS
Sample : C8260STD40PPB
Misc : WG1735211
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 19 11:51:31 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	10.701	173	30309	35.714	ug/L		99
82) Isopropylbenzene	10.989	105	205296	35.699	ug/L		99
84) Bromobenzene	11.414	156	54298	35.460	ug/L		100
85) n-Propylbenzene	11.456	91	253908	35.326	ug/L		98
86) 1,4-Dichlorobutane	11.466	55	80612	46.160	ug/L		94
87) 1,1,2,2-Tetrachloroethane	11.529	83	50700	35.194	ug/L		99
88) 4-Ethyltoluene	11.576	105	244418	42.429	ug/L		99
89) 2-Chlorotoluene	11.618	91	151441M1	35.920	ug/L		
90) 1,3,5-Trimethylbenzene	11.670	105	176193	35.934	ug/L		99
91) 1,2,3-Trichloropropane	11.670	75	40096	35.482	ug/L		99
92) trans-1,4-Dichloro-2-b...	11.718	53	18176	48.291	ug/L	#	77
93) 4-Chlorotoluene	11.796	91	161548	36.867	ug/L		100
94) tert-Butylbenzene	12.011	119	145572	35.166	ug/L		99
97) 1,2,4-Trimethylbenzene	12.085	105	185020	37.900	ug/L		99
98) sec-Butylbenzene	12.195	105	221339	35.317	ug/L		99
99) p-Isopropyltoluene	12.347	119	187809	35.117	ug/L		99
100) 1,3-Dichlorobenzene	12.415	146	108546	36.606	ug/L		100
101) 1,4-Dichlorobenzene	12.504	146	110470	36.271	ug/L		99
102) p-Diethylbenzene	12.714	119	130954	40.777	ug/L		99
103) n-Butylbenzene	12.772	91	184277	37.360	ug/L		98
104) 1,2-Dichlorobenzene	12.924	146	102259	36.437	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.495	119	207301	41.330	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.689	155	7896	37.110	ug/L		100
107) 1,3,5-Trichlorobenzene	13.726	180	69922	34.132	ug/L		98
108) Hexachlorobutadiene	14.297	225	28894	33.181	ug/L		99
109) 1,2,4-Trichlorobenzene	14.318	180	64758	36.598	ug/L		98
110) Naphthalene	14.612	128	141052	37.079	ug/L		100
111) 1,2,3-Trichlorobenzene	14.780	180	55192	37.360	ug/L		99

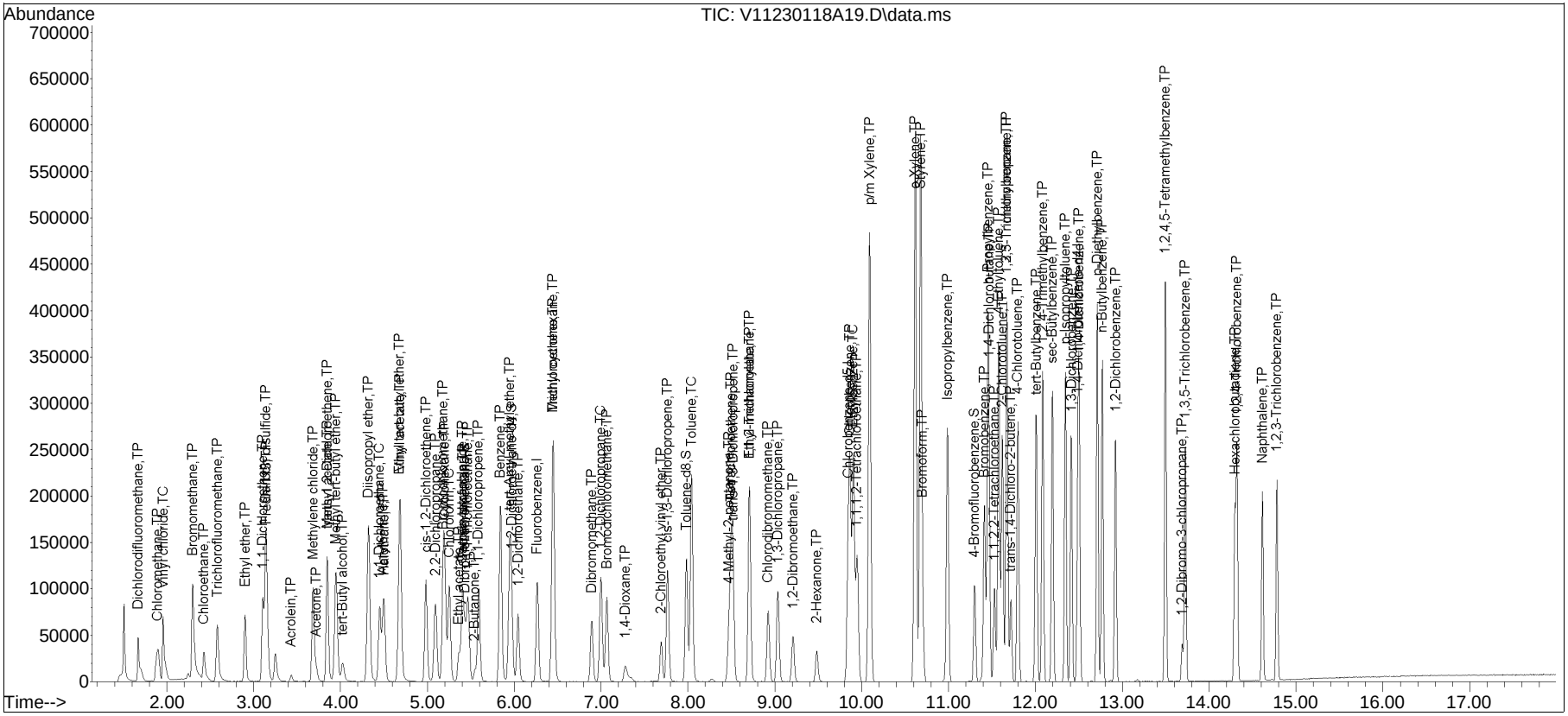
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A19.D
Acq On : 18 Jan 2023 06:47 pm
Operator : VOA111:MKS
Sample : C8260STD40PPB
Misc : WG1735211
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 19 11:51:31 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

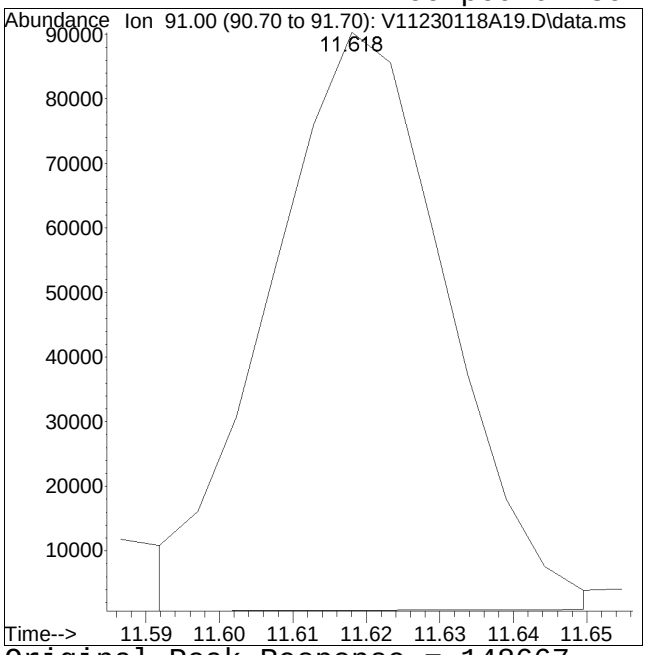
Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11230118A11.D•

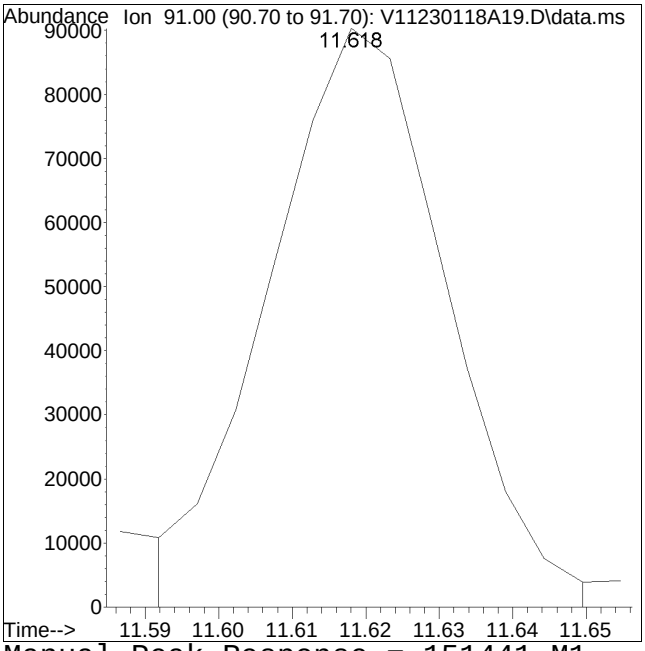


Manual Integration Report

Data Path : I:\VOLATILES\VOA111\2023\2QMethod : V111_230118_8260.m
Data File : V11230118A19.D Operator : VOA111:MKS
Date Inj'd : 1/18/2023 6:47 pm Instrument : VOA111
Sample : C8260STD40PPB Quant Date : 1/19/2023 11:50 am

Compound #89: 2-Chlorotoluene





Original Peak Response = 148667 Manual Peak Response = 151441 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Relative Error Report VOA111

Method Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Method File : V111_230118_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jan 19 11:49:17 2023

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
7	TP Trichlorofluoromethane	Q	ug/L	40.0	34.649	-13.4	2.00	2.158	7.9
12	TP Freon-113	Q	ug/L	40.0	32.960	-17.6	2.00	2.254	12.7
31	TP Cyclohexane	Q	ug/L	40.0	32.250	-19.4	2.00	2.410	20.5
40	TP 1,1-Dichloropropene	Q	ug/L	40.0	34.478	-13.8	0.50	0.519	3.8
47	TP Methyl cyclohexane	Q	ug/L	40.0	32.291	-19.3	1.00	1.082	8.2
57	TP 1,4-Dioxane	L	ug/L	2000.0	2128.801	6.4	80.00	68.855	-13.9
62	TP 4-Methyl-2-pentanone	L	ug/L	40.0	36.293	-9.3	2.00	2.384	19.2
63	TP Tetrachloroethene	Q	ug/L	40.0	34.455	-13.9	0.50	0.541	8.2

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
7	TP Trichlorofluoromethane	Quadratic	0.996766	0.008856	0.290218	1.63879e-005
12	TP Freon-113	Quadratic	0.994599	0.004822	0.197076	-0.00153476
31	TP Cyclohexane	Quadratic	0.993496	0.008025	0.335975	-0.00602022
40	TP 1,1-Dichloropropene	Quadratic	0.995922	0.005021	0.284406	-0.00236437
47	TP Methyl cyclohexane	Quadratic	0.994086	0.010132	0.358926	-0.0058201
57	TP 1,4-Dioxane	Linear	0.999295	0.000000	0.00201093	-0.00349333
62	TP 4-Methyl-2-pentanone	Linear	0.997532	0.000000	0.103303	-0.0067509
63	TP Tetrachloroethene	Quadratic	0.997139	0.006322	0.285044	-0.00215445

Response Factor Report VOA122

Method Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Method File : V122_230124N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Jan 25 08:44:34 2023
Response Via : Initial Calibration

Calibration Files
L11 =V22230124N03.D L1 =V22230124N05.D L2 =V22230124N07.D L3 =V22230124N09.D L4 =V22230124N10.D
L6 =V22230124N11.D L8 =V22230124N12.D L10 =V22230124N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------	ISTD	----------							
2)	TP	Dichlorodifluo...		0.278	0.243	0.206	0.180	0.169	0.163	*Q		0.9983
3)	TP	Chloromethane		0.259	0.215	0.182	0.162	0.156	0.146	*Q		0.9992
4)	TC	Vinyl chloride	0.139	0.145	0.188	0.158	0.139	0.126	0.134	0.139	0.146	13.33
5)	TP	Bromomethane		0.066	0.078	0.066	0.061	0.062	0.071	0.076	0.069	9.77
6)	TP	Chloroethane		0.118	0.139	0.113	0.098	0.088	0.088	0.085	0.104	19.49
7)	TP	Trichlorofluor...		0.278	0.378	0.314	0.271	0.244	0.233	0.224	0.277	19.38
8)	TP	Ethyl ether		0.052	0.050	0.051	0.047	0.046	0.046	0.045	0.048	5.74
10)	TC	1,1-Dichloroet...		0.143	0.179	0.149	0.127	0.117	0.117	0.114	0.135	17.53
11)	TP	Carbon disulfide		0.516	0.613	0.503	0.434	0.391	0.383	0.372	0.459	19.43
12)	TP	Freon-113		0.141	0.182	0.163	0.141	0.129	0.130	0.130	0.145	13.93
13)	TP	Iodomethane			0.097	0.132	0.141	0.148	0.149	0.148	0.136	14.76
14)	TP	Acrolein		0.014	0.021	0.017	0.014	0.014	0.013	0.013	0.015	18.12
15)	TP	Methylene chlo...			0.213	0.172	0.145	0.132	0.129	0.129	*L	0.9986
17)	TP	Acetone			0.034	0.025	0.021	0.019	0.018	0.018	*L	0.9974
18)	TP	trans-1,2-Dich...		0.155	0.188	0.159	0.139	0.131	0.130	0.129	0.147	14.65
19)	TP	Methyl acetate			0.064	0.049	0.045	0.043	0.042	0.041	0.047	18.58
21)	TP	Methyl tert-bu...		0.174	0.210	0.227	0.238	0.242	0.241	0.247	0.225	11.43
22)	TP	tert-Butyl alc...			0.006	0.007	0.006	0.006	0.006	0.006	0.006#	4.57
24)	TP	Diisopropyl ether		0.272	0.324	0.305	0.319	0.327	0.326	0.331	0.315	6.53
25)	TP	1,1-Dichloroet...		0.350	0.403	0.342	0.295	0.268	0.263	0.257	0.311	17.74
26)	TP	Halothane		0.077	0.119	0.104	0.097	0.089	0.094	0.095	0.097	13.26
27)	TP	Acrylonitrile			0.035	0.033	0.028	0.026	0.026	0.025	0.029	13.42
28)	TP	Ethyl tert-but...		0.247	0.289	0.289	0.324	0.338	0.337	0.346	0.310	11.73
29)	TP	Vinyl acetate			0.128	0.124	0.150	0.142	0.138	0.144	0.138	7.25
30)	TP	cis-1,2-Dichlo...		0.165	0.211	0.171	0.152	0.142	0.139	0.139	0.160#	16.17
31)	TP	2,2-Dichloropr...		0.260	0.335	0.286	0.261	0.239	0.230	0.225	0.262	14.68
32)	TP	Bromochloromet...		0.087	0.077	0.071	0.061	0.058	0.056	0.055	0.066#	18.39
33)	TP	Cyclohexane		0.254	0.322	0.304	0.298	0.273	0.270	0.268	0.284	8.54
34)	TC	Chloroform		0.320	0.385	0.328	0.291	0.264	0.263	0.257	0.301	15.44
35)	TP	Ethyl acetate			0.044	0.048	0.059	0.061	0.061	0.060	0.055	13.51

Response Factor Report VOA122

Method Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Method File : V122_230124N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Jan 25 08:44:34 2023
Response Via : Initial Calibration

Calibration Files
L11 =V22230124N03.D L1 =V22230124N05.D L2 =V22230124N07.D L3 =V22230124N09.D L4 =V22230124N10.D
L6 =V22230124N11.D L8 =V22230124N12.D L10 =V22230124N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
36)	TP	Carbon tetrach...	0.208	0.206	0.278	0.266	0.242	0.225	0.220	0.217	0.233	11.55
37)	TP	Tetrahydrofuran			0.020	0.021	0.017	0.017	0.016	0.016	0.018	12.48
38)	S	Dibromofluorom...	0.368	0.373	0.366	0.330	0.296	0.272	0.269	0.268	0.318	14.81
39)	TP	1,1,1-Trichlor...		0.232	0.309	0.292	0.270	0.253	0.244	0.237	0.262	11.04
41)	TP	2-Butanone			0.027	0.026	0.025	0.026	0.026	0.025	0.026	3.19
42)	TP	1,1-Dichloropr...		0.150	0.186	0.194	0.201	0.215	0.213	0.211	0.196	11.67
44)	TP	Benzene	0.451	0.466	0.545	0.520	0.526	0.515	0.514	0.509	0.506	6.19
45)	TP	tert-Amyl meth...		0.232	0.248	0.227	0.246	0.267	0.270	0.274	0.252	7.43
46)	S	1,2-Dichloroet...	0.389	0.390	0.428	0.379	0.349	0.331	0.317	0.314	0.362	11.26
47)	T	1,2-Dichloroet...		0.223	0.252	0.205	0.201	0.190	0.180	0.173	0.203	13.33
50)	TP	Methyl cyclohe...		0.190	0.246	0.249	0.236	0.234	0.238	0.242	0.234	8.55
51)	TP	Trichloroethene	0.151	0.158	0.157	0.157	0.161	0.160	0.156	0.154	0.157#	2.15
53)	TP	Dibromomethane		0.079	0.085	0.081	0.076	0.073	0.071	0.070	0.076	7.26
54)	TC	1,2-Dichloropr...		0.107	0.131	0.134	0.141	0.139	0.140	0.137	0.133	9.04
56)	TP	2-Chloroethyl ...		0.035	0.046	0.045	0.051	0.052	0.051	0.052	0.048	13.08
57)	TP	Bromodichlorom...		0.192	0.220	0.207	0.212	0.204	0.200	0.196	0.205#	4.77
60)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	12.22
61)	TP	cis-1,3-Dichlo...		0.160	0.173	0.196	0.217	0.222	0.219	0.219	0.201#	12.55
62)	I	Chlorobenzene-d5	----------ISTD----------									
63)	S	Toluene-d8	1.277	1.295	1.291	1.308	1.316	1.329	1.354	1.311	1.310	1.83
64)	TC	Toluene		0.399	0.471	0.456	0.453	0.445	0.449	0.440	0.445	5.05
65)	TP	4-Methyl-2-pen...			0.017	0.019	0.021	0.022	0.022	0.021	0.020#	9.07
66)	TP	Tetrachloroethene		0.166	0.182	0.166	0.174	0.175	0.177	0.176	0.174	3.38
68)	TP	trans-1,3-Dich...		0.187	0.208	0.235	0.281	0.299	0.301	0.285	0.257#	18.04
70)	TP	Ethyl methacry...		0.122	0.132	0.132	0.132	0.129	0.126	0.122	0.128	3.37
71)	TP	1,1,2-Trichlor...		0.067	0.071	0.085	0.100	0.106	0.107	0.106	0.092#	18.88
72)	TP	Chlorodibromom...		0.090	0.113	0.128	0.155	0.164	0.169	0.166	*Q	0.9989
73)	TP	1,3-Dichloropr...		0.141	0.170	0.189	0.225	0.238	0.241	0.235	0.206	19.10
74)	TP	1,2-Dibromoethane		0.074	0.088	0.100	0.117	0.125	0.127	0.125	0.108#	19.38
76)	TP	2-Hexanone		0.057	0.057	0.051	0.053	0.052	0.051	0.049	0.053	6.01
77)	TP	Chlorobenzene		0.500	0.500	0.478	0.479	0.471	0.473	0.466	0.481	2.88

Response Factor Report VOA122

Method Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Method File : V122_230124N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Jan 25 08:44:34 2023
Response Via : Initial Calibration

Calibration Files
L11 =V22230124N03.D L1 =V22230124N05.D L2 =V22230124N07.D L3 =V22230124N09.D L4 =V22230124N10.D
L6 =V22230124N11.D L8 =V22230124N12.D L10 =V22230124N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
78)	TC	Ethylbenzene		0.893	0.977	0.944	0.924	0.897	0.884	0.851	0.910	4.59
79)	TP	1,1,1,2-Tetrac...		0.128	0.129	0.135	0.153	0.167	0.171	0.171	0.151	13.17
80)	TP	p/m Xylene		0.335	0.366	0.357	0.342	0.329	0.319	0.311	0.337	5.85
81)	TP	o Xylene		0.331	0.366	0.334	0.325	0.318	0.312	0.300	0.326	6.39
82)	TP	Styrene		0.518	0.564	0.549	0.543	0.532	0.514	0.491	0.530	4.61
83)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
84)	TP	Bromoform		0.106	0.114	0.145	0.169	0.186	0.192	0.199	*Q	0.9993
86)	TP	Isopropylbenzene		1.481	1.682	1.722	1.699	1.644	1.642	1.654	1.646	4.78
87)	S	4-Bromofluorob...	0.958	0.991	0.967	0.984	0.973	0.949	0.968	0.969	0.970	1.36
88)	TP	Bromobenzene		0.395	0.360	0.362	0.363	0.351	0.355	0.360	0.364	4.01
89)	TP	n-Propylbenzene		1.977	2.158	2.112	2.088	2.006	2.012	1.948	2.043	3.77
90)	TP	1,4-Dichlorobu...		0.341	0.333	0.342	0.369	0.375	0.378	0.375	0.359	5.41
91)	TP	1,1,2,2-Tetrac...		0.162	0.177	0.185	0.210	0.213	0.219	0.230	0.199#	12.46
92)	TP	4-Ethyltoluene		1.553	1.754	1.730	1.673	1.628	1.650	1.611	1.657	4.19
93)	TP	2-Chlorotoluene		1.131	1.234	1.227	1.195	1.161	1.186	1.171	1.186	3.07
94)	TP	1,3,5-Trimethy...		1.184	1.320	1.361	1.431	1.400	1.412	1.381	1.356	6.19
95)	TP	1,2,3-Trichlor...		0.185	0.178	0.179	0.194	0.196	0.204	0.209	0.192	6.20
96)	TP	trans-1,4-Dich...		0.062	0.059	0.072	0.077	0.076	0.076	0.077	0.071	10.50
97)	TP	4-Chlorotoluene		1.185	1.320	1.309	1.294	1.247	1.249	1.225	1.261	3.86
98)	TP	tert-Butylbenzene		1.202	1.505	1.478	1.405	1.379	1.389	1.371	1.390	7.01
101)	TP	1,2,4-Trimethy...		1.112	1.246	1.305	1.376	1.387	1.400	1.365	1.313	7.90
102)	TP	sec-Butylbenzene		1.511	1.826	1.803	1.741	1.695	1.708	1.663	1.707	6.10
103)	TP	p-Isopropyltol...		1.189	1.445	1.491	1.480	1.436	1.446	1.412	1.414	7.26
104)	TP	1,3-Dichlorobe...		0.674	0.712	0.728	0.707	0.700	0.695	0.690	0.701	2.43
105)	TP	1,4-Dichlorobe...		0.688	0.733	0.696	0.698	0.691	0.691	0.690	0.698	2.23
106)	TP	p-Diethylbenzene		0.692	0.785	0.827	0.845	0.860	0.866	0.854	0.818	7.59
107)	TP	n-Butylbenzene		1.019	1.255	1.308	1.334	1.312	1.308	1.264	1.257	8.63
108)	TP	1,2-Dichlorobe...		0.578	0.635	0.627	0.625	0.616	0.619	0.612	0.616	2.95
109)	TP	1,2,4,5-Tetram...		0.944	1.045	1.059	1.089	1.117	1.154	1.176	1.083	7.17
110)	TP	1,2-Dibromo-3-...		0.023	0.035	0.038	0.039	0.039	0.041	0.041	0.037	16.76
111)	TP	1,3,5-Trichlor...		0.403	0.464	0.461	0.472	0.482	0.493	0.491	0.467	6.61

Method Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Method File : V122_230124N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Jan 25 08:44:34 2023
Response Via : Initial Calibration

Calibration Files
L11 =V22230124N03.D L1 =V22230124N05.D L2 =V22230124N07.D L3 =V22230124N09.D L4 =V22230124N10.D
L6 =V22230124N11.D L8 =V22230124N12.D L10 =V22230124N13.D

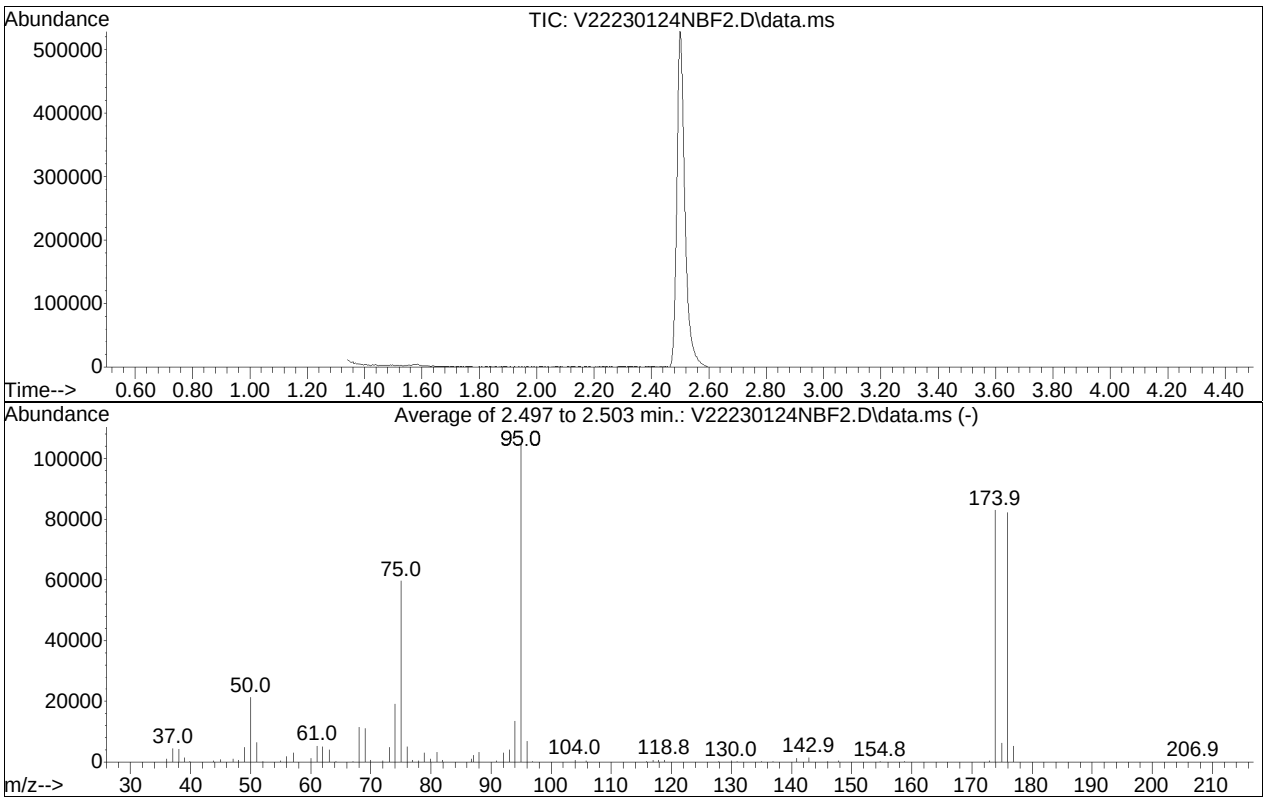
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
112) TP	Hexachlorobuta...	0.211	0.238	0.226	0.220	0.214	0.219	0.219	0.221		4.06
113) TP	1,2,4-Trichlor...	0.374	0.424	0.407	0.409	0.411	0.417	0.414	0.408		3.90
114) TP	Naphthalene	0.807	0.794	0.746	0.754	0.748	0.756	0.750	0.765		3.26
115) TP	1,2,3-Trichlor...	0.340	0.367	0.356	0.356	0.346	0.353	0.346	0.352#		2.55

(#) = Out of Range

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124NBF2.D
Acq On : 24 Jan 2023 04:58 pm
Operator : VOA122:TMS
Sample : WG1737034-1
Misc : WG1737034
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Jan 25 08:44:34 2023



AutoFind: Scans 416, 417, 418; Background Corrected with Scan 401

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.2	21293	PASS
75	95	30	60	56.7	59693	PASS
95	95	100	100	100.0	105205	PASS
96	95	5	9	6.4	6782	PASS
173	174	0.00	2	0.5	443	PASS
174	95	50	100	78.9	82965	PASS
175	174	5	9	7.5	6262	PASS
176	174	95	101	99.0	82152	PASS
177	176	5	9	6.3	5143	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N03.D
Acq On : 24 Jan 2023 06:05 pm
Operator : VOA122:MKS
Sample : I8260STD0.19PPB
Misc : WG1737034
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 25 08:16:44 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-L11 - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.292	96	295903	10.000	ug/L	0.00
Standard Area 1 = 347608			Recovery = 85.13%			
62) Chlorobenzene-d5	9.874	117	268190	10.000	ug/L	0.00
Standard Area 1 = 276768			Recovery = 96.90%			
83) 1,4-Dichlorobenzene-d4	12.508	152	154580	10.000	ug/L	0.00
Standard Area 1 = 153195			Recovery = 100.90%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.460	113	108931	11.143	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.43%			
46) 1,2-Dichloroethane-d4	5.996	65	115180	10.270	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.70%			
63) Toluene-d8	8.009	98	342481	9.767	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.67%			
87) 4-Bromofluorobenzene	11.325	95	148153	9.742	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.42%			
Target Compounds						Qvalue
4) Vinyl chloride	1.975	62	784	0.167	ug/L	88
36) Carbon tetrachloride	5.425	117	1169	0.149	ug/L #	44
44) Benzene	5.863	78	2534	0.165	ug/L #	81
51) Trichloroethene	6.469	95	848	0.182	ug/L #	56

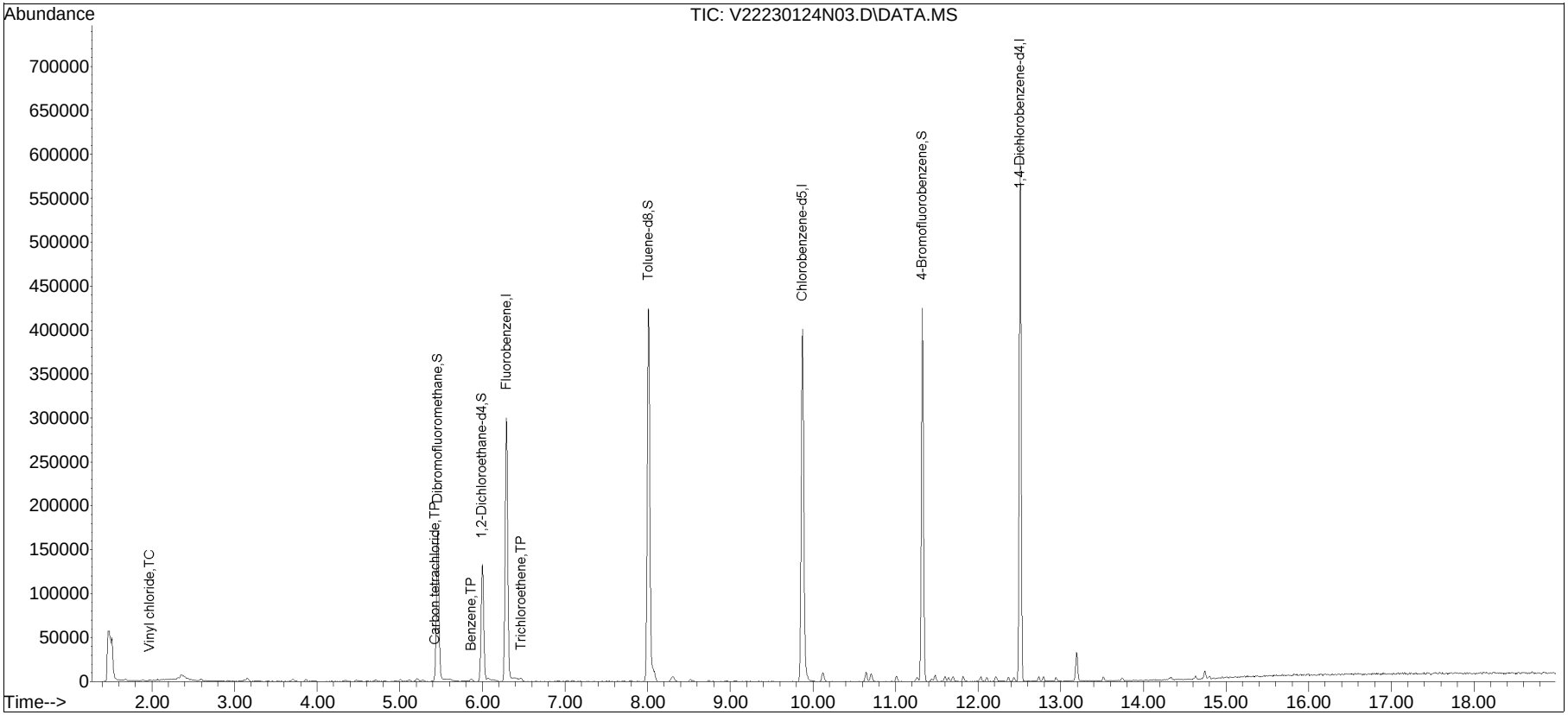
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N03.D
Acq On : 24 Jan 2023 06:05 pm
Operator : VOA122:MKS
Sample : I8260STD0.19PPB
Misc : WG1737034
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 25 08:16:44 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

Sub List : 8260-L11 - Level 11 for 8260-LRR product\V22230124N09.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2023\2Q	Method	: V122_230124N_8260.m
Data File	: V22230124N03.D	Operator	: VOA122:MKS
Date Inj'd	: 1/24/2023 6:05 pm	Instrument	: VOA122
Sample	: I8260STD0.19PPB	Quant Date	: 1/25/2023 8:14 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N05.D
Acq On : 24 Jan 2023 06:54 pm
Operator : VOA122:MKS
Sample : I8260STD0.5PPB
Misc : WG1737034
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 25 08:20:03 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.292	96	300764	10.000 ug/L	0.00
Standard Area 1 = 347608			Recovery = 86.52%		
62) Chlorobenzene-d5	9.874	117	264182	10.000 ug/L	0.00
Standard Area 1 = 276768			Recovery = 95.45%		
83) 1,4-Dichlorobenzene-d4	12.508	152	153277	10.000 ug/L	0.00
Standard Area 1 = 153195			Recovery = 100.05%		
System Monitoring Compounds					
38) Dibromofluoromethane	5.460	113	112220	11.294 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.94%		
46) 1,2-Dichloroethane-d4	6.004	65	117273	10.288 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.88%		
63) Toluene-d8	8.009	98	342121	9.904 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.04%		
87) 4-Bromofluorobenzene	11.325	95	151866	10.072 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.72%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.682	85	3398	0.465 ug/L	98
3) Chloromethane	1.891	50	3672	0.569 ug/L	88
4) Vinyl chloride	1.975	62	2183	0.459 ug/L	94
5) Bromomethane	2.316	94	986	0.498 ug/L	79
6) Chloroethane	2.442	64	1779	0.525 ug/L	88
7) Trichlorofluoromethane	2.595	101	4181	0.443 ug/L	97
8) Ethyl ether	2.916	74	782	0.510 ug/L #	1
10) 1,1-Dichloroethene	3.125	96	2152	0.479 ug/L #	66
11) Carbon disulfide	3.153	76	7766	0.513 ug/L	98
12) Freon-113	3.160	101	2116	0.433 ug/L #	86
13) Iodomethane	3.265	142	907	0.229 ug/L #	78
14) Acrolein	3.460	56	207	0.412 ug/L #	53
15) Methylene chloride	3.704	84	3515	0.680 ug/L	88
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	3.871	96	2334	0.489 ug/L #	73
19) Methyl acetate	3.878	43	1169	0.792 ug/L #	57
21) Methyl tert-butyl ether	3.969	73	2621	0.385 ug/L #	72
22) tert-Butyl alcohol	4.059	59	238	1.171 ug/L #	31
24) Diisopropyl ether	4.338	45	4096	0.446 ug/L	88
25) 1,1-Dichloroethane	4.470	63	5260	0.511 ug/L	94
26) Halothane	4.519	117	1165	0.374 ug/L #	53

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N05.D
Acq On : 24 Jan 2023 06:54 pm
Operator : VOA122:MKS
Sample : I8260STD0.5PPB
Misc : WG1737034
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 25 08:20:03 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	0.000		0	N.D.	d		
28) Ethyl tert-butyl ether	4.707	59	3710	0.427	ug/L		91
29) Vinyl acetate	0.000		0	N.D.	d		
30) cis-1,2-Dichloroethene	5.007	96	2478	0.481	ug/L	#	71
31) 2,2-Dichloropropane	5.119	77	3912	0.455	ug/L		96
32) Bromochloromethane	5.209	128	1308	0.611	ug/L	#	73
33) Cyclohexane	5.216	56	3824	0.419	ug/L		71
34) Chloroform	5.272	83	4810	0.488	ug/L		94
35) Ethyl acetate	0.000		0	N.D.	d		
36) Carbon tetrachloride	5.425	117	3097	0.387	ug/L	#	82
37) Tetrahydrofuran	0.000		0	N.D.	d		
39) 1,1,1-Trichloroethane	5.495	97	3495	0.399	ug/L	#	94
41) 2-Butanone	0.000		0	N.D.	d		
42) 1,1-Dichloropropene	5.621	75	2250	0.386	ug/L		97
44) Benzene	5.863	78	7010	0.449	ug/L	#	92
45) tert-Amyl methyl ether	5.974	73	3482	0.509	ug/L		94
47) 1,2-Dichloroethane	6.078	62	3350	0.542	ug/L	#	91
50) Methyl cyclohexane	6.462	83	2857	0.381	ug/L	#	58
51) Trichloroethene	6.469	95	2383	0.504	ug/L	#	67
53) Dibromomethane	6.926	93	1181	0.485	ug/L	#	71
54) 1,2-Dichloropropane	7.029	63	1606	0.397	ug/L		89
56) 2-Chloroethyl vinyl ether	7.721	63	528	0.393	ug/L	#	44
57) Bromodichloromethane	7.095	83	2888	0.463	ug/L	#	95
60) 1,4-Dioxane	7.316	88	2136	81.620	ug/L	#	74
61) cis-1,3-Dichloropropene	7.795	75	2404	0.409	ug/L	#	90
64) Toluene	8.075	92	5266	0.437	ug/L		94
65) 4-Methyl-2-pentanone	0.000		0	N.D.	d		
66) Tetrachloroethene	8.518	166	2196	0.501	ug/L		87
68) trans-1,3-Dichloropropene	8.549	75	2471	0.397	ug/L		83
70) Ethyl methacrylate	8.732	69	1615	0.465	ug/L		84
71) 1,1,2-Trichloroethane	8.740	83	883	0.394	ug/L	#	76
72) Chlorodibromomethane	8.954	129	1185	0.351	ug/L		97
73) 1,3-Dichloropropane	9.065	76	1866	0.374	ug/L		93
74) 1,2-Dibromoethane	9.239	107	983	0.373	ug/L		93
76) 2-Hexanone	9.525	43	753	0.554	ug/L	#	69
77) Chlorobenzene	9.897	112	6610	0.523	ug/L	#	51
78) Ethylbenzene	9.937	91	11795	0.473	ug/L		98
79) 1,1,1,2-Tetrachloroethane	9.993	131	1688	0.473	ug/L	#	60
80) p/m Xylene	10.127	106	8858	0.940	ug/L		88
81) o Xylene	10.643	106	8748	0.991	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N05.D
Acq On : 24 Jan 2023 06:54 pm
Operator : VOA122:MKS
Sample : I8260STD0.5PPB
Misc : WG1737034
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 25 08:20:03 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.706	104	13693	0.944	ug/L		90
84) Bromoform	10.730	173	811	0.364	ug/L	#	44
86) Isopropylbenzene	11.016	105	11351	0.430	ug/L		95
88) Bromobenzene	11.436	156	3031	0.547	ug/L	#	80
89) n-Propylbenzene	11.483	91	15154	0.468	ug/L		94
90) 1,4-Dichlorobutane	11.491	55	2610	0.498	ug/L		98
91) 1,1,2,2-Tetrachloroethane	11.547	83	1244	0.439	ug/L	#	90
92) 4-Ethyltoluene	11.602	105	11899	0.449	ug/L		94
93) 2-Chlorotoluene	11.642	91	8670M1	0.461	ug/L		
94) 1,3,5-Trimethylbenzene	11.698	105	9072	0.435	ug/L		91
95) 1,2,3-Trichloropropane	11.698	75	1418	0.517	ug/L	#	85
96) trans-1,4-Dichloro-2-b...	11.745	53	476	0.429	ug/L	#	65
97) 4-Chlorotoluene	11.824	91	9085	0.453	ug/L		92
98) tert-Butylbenzene	12.028	119	9213	0.407	ug/L	#	79
101) 1,2,4-Trimethylbenzene	12.104	105	8524	0.426	ug/L		92
102) sec-Butylbenzene	12.216	105	11581	0.419	ug/L		95
103) p-Isopropyltoluene	12.369	119	9115	0.399	ug/L	#	91
104) 1,3-Dichlorobenzene	12.431	146	5168	0.463	ug/L		91
105) 1,4-Dichlorobenzene	12.522	146	5273	0.494	ug/L	#	67
106) p-Diethylbenzene	12.731	119	5303	0.418	ug/L		93
107) n-Butylbenzene	12.793	91	7811	0.390	ug/L	#	93
108) 1,2-Dichlorobenzene	12.940	146	4433	0.461	ug/L		90
109) 1,2,4,5-Tetramethylben...	13.517	119	7237	0.446	ug/L		96
110) 1,2-Dibromo-3-chloropr...	13.712	155	180	0.311	ug/L	#	75
111) 1,3,5-Trichlorobenzene	13.747	180	3085	0.437	ug/L	#	92
112) Hexachlorobutadiene	14.311	225	1616	0.465	ug/L		97
113) 1,2,4-Trichlorobenzene	14.339	180	2869	0.460	ug/L		92
114) Naphthalene	14.631	128	6187	0.541	ug/L		100
115) 1,2,3-Trichlorobenzene	14.798	180	2602	0.477	ug/L		98

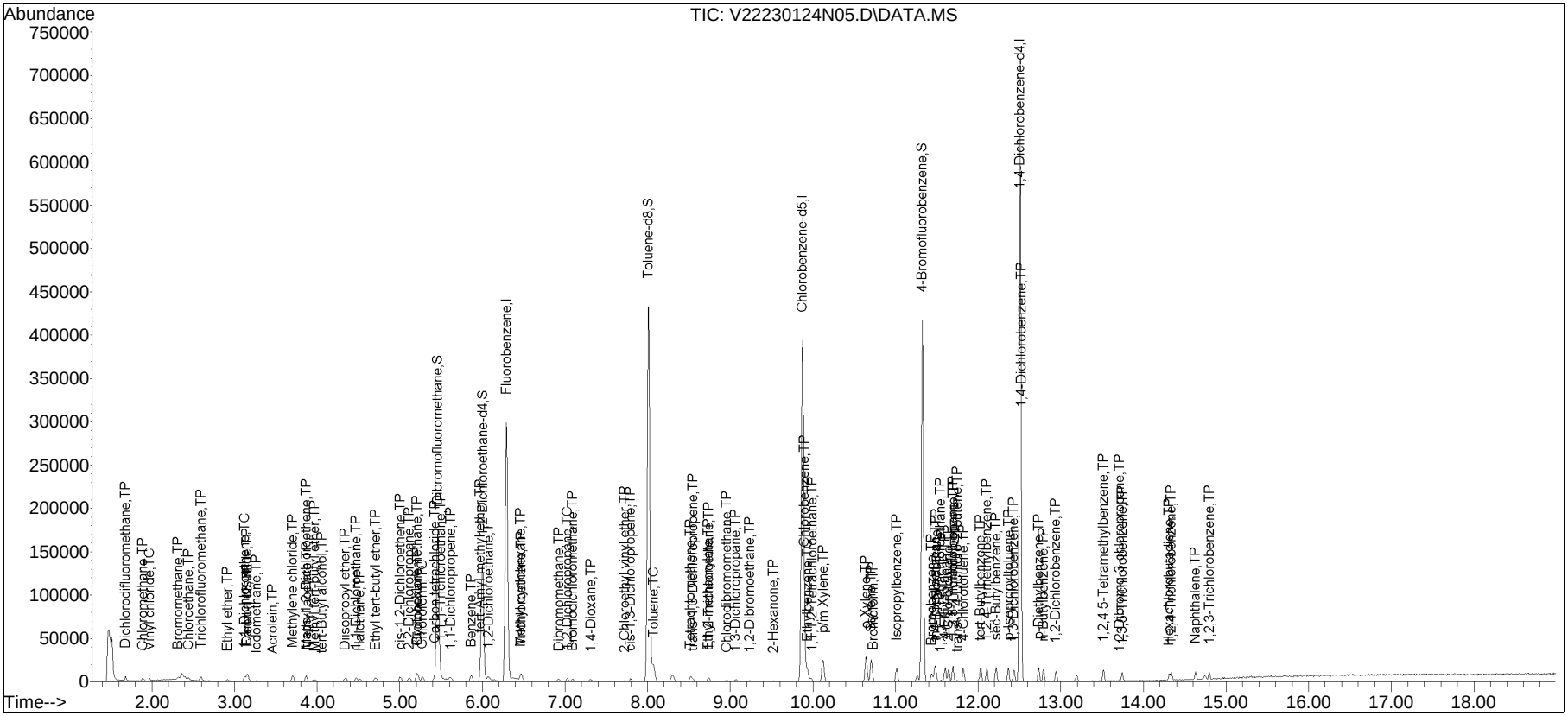
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N05.D
Acq On : 24 Jan 2023 06:54 pm
Operator : VOA122:MKS
Sample : I8260STD0.5PPB
Misc : WG1737034
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 25 08:20:03 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

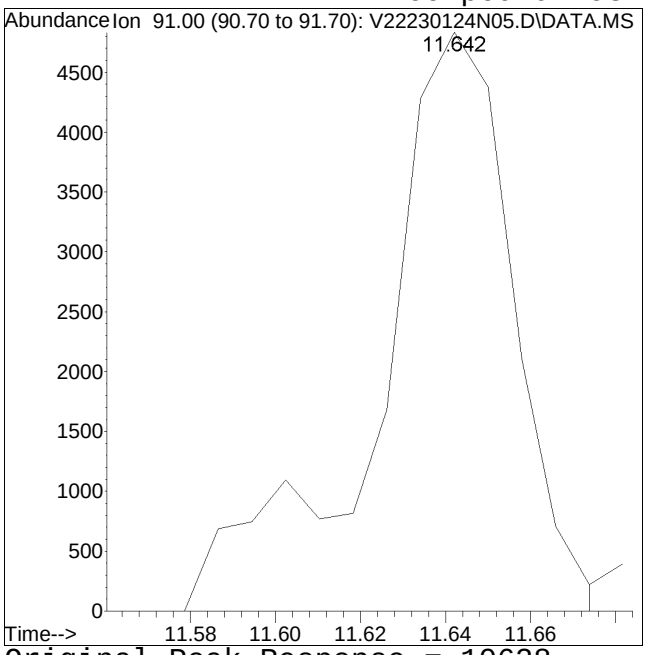
Sub List : 8260-Curve - Megamix plus Diox30124NICAL\V22230124N09.D•

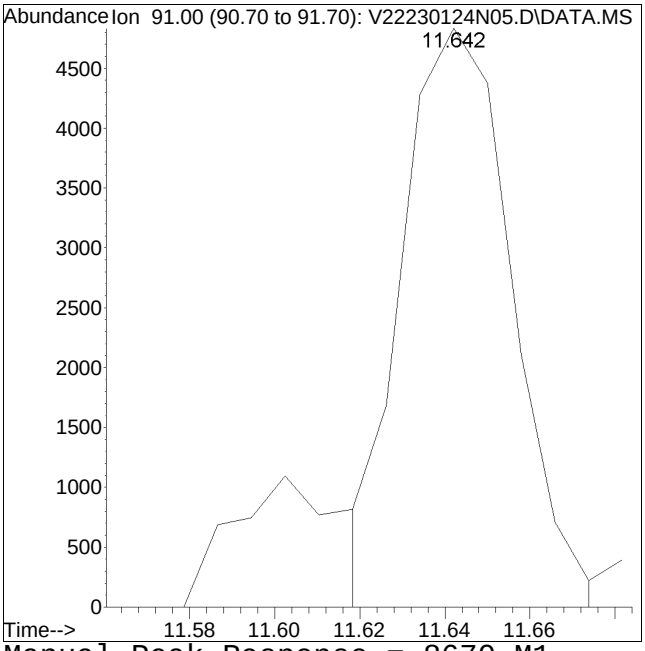


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230124N_8260.m
Data File : V22230124N05.D Operator : VOA122:MKS
Date Inj'd : 1/24/2023 6:54 pm Instrument : VOA122
Sample : I8260STD0.5PPB Quant Date : 1/25/2023 8:14 am

Compound #93: 2-Chlorotoluene





Original Peak Response = 10628 Manual Peak Response = 8670 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N07.D
Acq On : 24 Jan 2023 07:42 pm
Operator : VOA122:MKS
Sample : I8260STD2PPB
Misc : WG1737034
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 25 08:21:41 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.292	96	289083	10.000	ug/L	0.00
Standard Area 1 = 347608			Recovery =	83.16%		
62) Chlorobenzene-d5	9.874	117	257823	10.000	ug/L	0.00
Standard Area 1 = 276768			Recovery =	93.15%		
83) 1,4-Dichlorobenzene-d4	12.508	152	150633	10.000	ug/L	0.00
Standard Area 1 = 153195			Recovery =	98.33%		
System Monitoring Compounds						
38) Dibromofluoromethane	5.460	113	105816	11.079	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	110.79%		
46) 1,2-Dichloroethane-d4	6.004	65	123604	11.281	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	112.81%		
63) Toluene-d8	8.016	98	332844	9.873	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.73%		
87) 4-Bromofluorobenzene	11.325	95	145603	9.826	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.26%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.682	85	16067	2.285	ug/L	98
3) Chloromethane	1.898	50	14991	2.416	ug/L	97
4) Vinyl chloride	1.975	62	10885	2.380	ug/L	99
5) Bromomethane	2.317	94	4529	2.380	ug/L	94
6) Chloroethane	2.449	64	8056	2.473	ug/L	97
7) Trichlorofluoromethane	2.595	101	21842	2.407	ug/L	97
8) Ethyl ether	2.916	74	2915	1.979	ug/L #	1
10) 1,1-Dichloroethene	3.125	96	10360	2.401	ug/L #	68
11) Carbon disulfide	3.153	76	35450	2.436	ug/L	100
12) Freon-113	3.167	101	10531	2.241	ug/L	91
13) Iodomethane	3.272	142	5619	1.473	ug/L	87
14) Acrolein	3.453	56	1197	2.480	ug/L	99
15) Methylene chloride	3.711	84	12294	2.473	ug/L	82
17) Acetone	3.753	43	1980	2.734	ug/L #	84
18) trans-1,2-Dichloroethene	3.871	96	10859	2.367	ug/L	81
19) Methyl acetate	3.871	43	3723	2.623	ug/L #	89
21) Methyl tert-butyl ether	3.976	73	12115	1.849	ug/L #	88
22) tert-Butyl alcohol	4.059	59	1705	8.725	ug/L #	74
24) Diisopropyl ether	4.345	45	18748	2.124	ug/L	95
25) 1,1-Dichloroethane	4.478	63	23302	2.357	ug/L	94
26) Halothane	4.526	117	6885	2.299	ug/L	95

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N07.D
Acq On : 24 Jan 2023 07:42 pm
Operator : VOA122:MKS
Sample : I8260STD2PPB
Misc : WG1737034
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 25 08:21:41 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.519	53	2008	2.125	ug/L		97
28) Ethyl tert-butyl ether	4.701	59	16705	2.000	ug/L		84
29) Vinyl acetate	4.715	43	7404	2.066	ug/L	#	91
30) cis-1,2-Dichloroethene	5.007	96	12179	2.459	ug/L	#	80
31) 2,2-Dichloropropane	5.119	77	19384	2.344	ug/L		93
32) Bromochloromethane	5.210	128	4443	2.160	ug/L	#	59
33) Cyclohexane	5.223	56	18622	2.121	ug/L		85
34) Chloroform	5.279	83	22237	2.345	ug/L		100
35) Ethyl acetate	5.398	43	2520	1.803	ug/L	#	80
36) Carbon tetrachloride	5.426	117	16096	2.094	ug/L	#	94
37) Tetrahydrofuran	5.440	42	1183	1.966	ug/L		100
39) 1,1,1-Trichloroethane	5.488	97	17869	2.120	ug/L		98
41) 2-Butanone	5.579	43	1580	2.064	ug/L	#	56
42) 1,1-Dichloropropene	5.614	75	10752	1.920	ug/L		92
44) Benzene	5.871	78	31485	2.096	ug/L		95
45) tert-Amyl methyl ether	5.982	73	14318	2.178	ug/L		94
47) 1,2-Dichloroethane	6.078	62	14558	2.451	ug/L		97
50) Methyl cyclohexane	6.469	83	14242	1.977	ug/L	#	70
51) Trichloroethene	6.476	95	9050	1.990	ug/L		87
53) Dibromomethane	6.919	93	4916	2.101	ug/L		84
54) 1,2-Dichloropropane	7.029	63	7567	1.947	ug/L		94
56) 2-Chloroethyl vinyl ether	7.722	63	2677	2.073	ug/L	#	82
57) Bromodichloromethane	7.095	83	12743	2.126	ug/L	#	92
60) 1,4-Dioxane	7.302	88	10191	405.150	ug/L	#	68
61) cis-1,3-Dichloropropene	7.795	75	10017	1.771	ug/L		91
64) Toluene	8.075	92	24262	2.063	ug/L		90
65) 4-Methyl-2-pentanone	8.518	58	896	1.823	ug/L	#	70
66) Tetrachloroethene	8.534	166	9398	2.196	ug/L		89
68) trans-1,3-Dichloropropene	8.549	75	10708	1.764	ug/L		98
70) Ethyl methacrylate	8.740	69	6794	2.003	ug/L		86
71) 1,1,2-Trichloroethane	8.740	83	3658	1.674	ug/L		91
72) Chlorodibromomethane	8.954	129	5827	1.769	ug/L		95
73) 1,3-Dichloropropane	9.073	76	8765	1.800	ug/L		99
74) 1,2-Dibromoethane	9.247	107	4527	1.761	ug/L		95
76) 2-Hexanone	9.525	43	2963	2.233	ug/L	#	86
77) Chlorobenzene	9.898	112	25801	2.091	ug/L	#	81
78) Ethylbenzene	9.937	91	50389	2.070	ug/L		95
79) 1,1,1,2-Tetrachloroethane	9.977	131	6669	1.916	ug/L		90
80) p/m Xylene	10.128	106	37779	4.108	ug/L		85
81) o Xylene	10.643	106	37694	4.373	ug/L		86

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N07.D
Acq On : 24 Jan 2023 07:42 pm
Operator : VOA122:MKS
Sample : I8260STD2PPB
Misc : WG1737034
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 25 08:21:41 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82)	Styrene	10.706	104	58190	4.109	ug/L	#	82
84)	Bromoform	10.730	173	3442	1.571	ug/L		94
86)	Isopropylbenzene	11.016	105	50686	1.954	ug/L		95
88)	Bromobenzene	11.436	156	10835	1.988	ug/L		96
89)	n-Propylbenzene	11.476	91	65011	2.043	ug/L		94
90)	1,4-Dichlorobutane	11.492	55	10044	1.949	ug/L		93
91)	1,1,2,2-Tetrachloroethane	11.555	83	5319	1.911	ug/L		94
92)	4-Ethyltoluene	11.603	105	52847	2.028	ug/L		95
93)	2-Chlorotoluene	11.642	91	37181M1	2.011	ug/L		
94)	1,3,5-Trimethylbenzene	11.698	105	39777	1.940	ug/L		94
95)	1,2,3-Trichloropropane	11.698	75	5363	1.991	ug/L		92
96)	trans-1,4-Dichloro-2-b...	11.745	53	1789	1.641	ug/L		86
97)	4-Chlorotoluene	11.825	91	39760	2.017	ug/L		91
98)	tert-Butylbenzene	12.028	119	45339	2.036	ug/L	#	88
101)	1,2,4-Trimethylbenzene	12.104	105	37532	1.909	ug/L		91
102)	sec-Butylbenzene	12.216	105	54998	2.025	ug/L		97
103)	p-Isopropyltoluene	12.369	119	43531	1.939	ug/L	#	91
104)	1,3-Dichlorobenzene	12.432	146	21448	1.956	ug/L		88
105)	1,4-Dichlorobenzene	12.522	146	22073	2.105	ug/L	#	88
106)	p-Diethylbenzene	12.731	119	23635	1.898	ug/L		93
107)	n-Butylbenzene	12.787	91	37796	1.919	ug/L	#	94
108)	1,2-Dichlorobenzene	12.947	146	19117	2.024	ug/L		96
109)	1,2,4,5-Tetramethylben...	13.518	119	31480	1.973	ug/L		93
110)	1,2-Dibromo-3-chloropr...	13.712	155	1047	1.838	ug/L		98
111)	1,3,5-Trichlorobenzene	13.747	180	13984	2.015	ug/L	#	95
112)	Hexachlorobutadiene	14.311	225	7172	2.102	ug/L		92
113)	1,2,4-Trichlorobenzene	14.339	180	12779	2.085	ug/L		97
114)	Naphthalene	14.631	128	23912	2.129	ug/L		100
115)	1,2,3-Trichlorobenzene	14.798	180	11058	2.065	ug/L		96

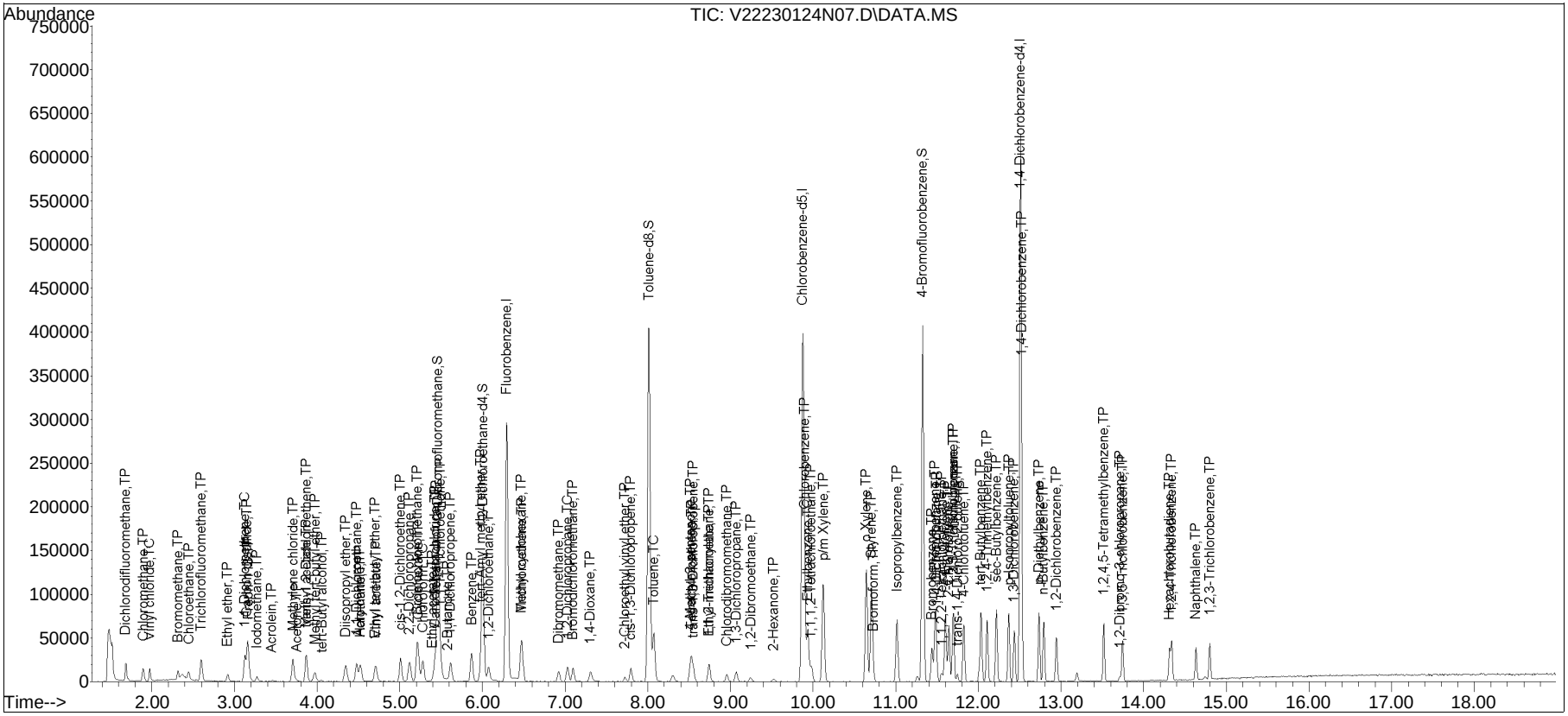
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N07.D
Acq On : 24 Jan 2023 07:42 pm
Operator : VOA122:MKS
Sample : I8260STD2PPB
Misc : WG1737034
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 25 08:21:41 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

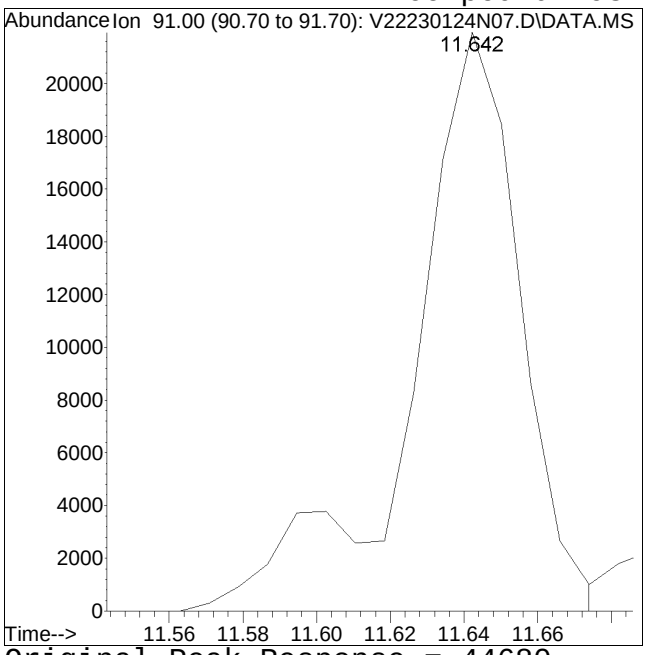
Sub List : 8260-Curve - Megamix plus Diox30124NICAL\V22230124N09.D•

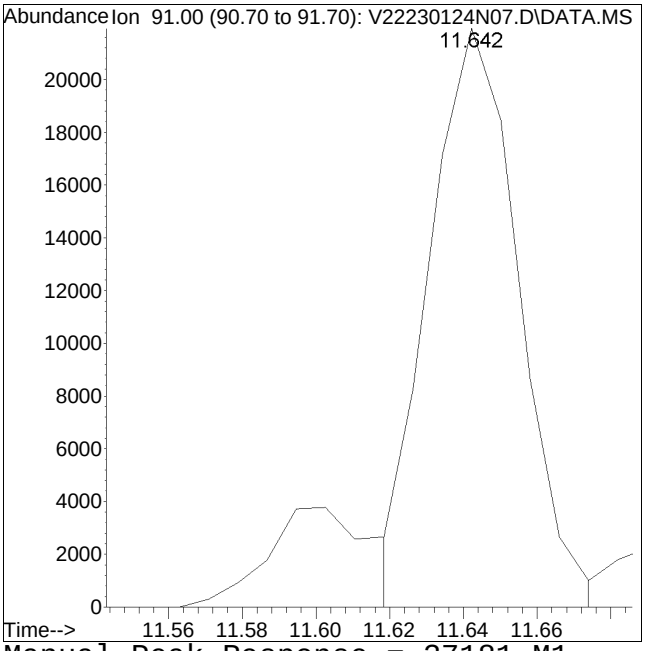


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230124N_8260.m
Data File : V22230124N07.D Operator : VOA122:MKS
Date Inj'd : 1/24/2023 7:42 pm Instrument : VOA122
Sample : I8260STD2PPB Quant Date : 1/25/2023 8:14 am

Compound #93: 2-Chlorotoluene





Original Peak Response = 44680 Manual Peak Response = 37181 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N09.D
Acq On : 24 Jan 2023 08:31 pm
Operator : VOA122:MKS
Sample : I8260STD10PPB
Misc : WG1737034
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 25 08:12:10 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Dec 12 08:24:31 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.292	96	347608	10.000	ug/L	0.00
Standard Area 1 = 347608			Recovery = 100.00%			
62) Chlorobenzene-d5	9.874	117	276768	10.000	ug/L	0.00
Standard Area 1 = 276768			Recovery = 100.00%			
83) 1,4-Dichlorobenzene-d4	12.508	152	153195	10.000	ug/L	0.00
Standard Area 1 = 153195			Recovery = 100.00%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.460	113	114843	10.569	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.69%			
46) 1,2-Dichloroethane-d4	6.004	65	131745	10.499	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.99%			
63) Toluene-d8	8.009	98	361885	9.955	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.55%			
87) 4-Bromofluorobenzene	11.325	95	150707	10.004	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.04%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.682	85	84543	17.802	ug/L	100
3) Chloromethane	1.891	50	74609	9.617	ug/L	98
4) Vinyl chloride	1.975	62	54994	9.761	ug/L	97
5) Bromomethane	2.317	94	22885	6.774	ug/L	99
6) Chloroethane	2.442	64	39173	11.219	ug/L	98
7) Trichlorofluoromethane	2.595	101	109102	13.181	ug/L	100
8) Ethyl ether	2.916	74	17715	10.660	ug/L #	1
10) 1,1-Dichloroethene	3.125	96	51891	10.791	ug/L #	64
11) Carbon disulfide	3.153	76	174972	19.042	ug/L	99
12) Freon-113	3.167	101	56507	12.246	ug/L	90
13) Iodomethane	3.272	142	45855	6.924	ug/L	85
14) Acrolein	3.460	56	5803	9.909	ug/L	89
15) Methylene chloride	3.704	84	59785	11.481	ug/L	80
17) Acetone	3.746	43	8707	9.244	ug/L	95
18) trans-1,2-Dichloroethene	3.864	96	55154	10.480	ug/L	81
19) Methyl acetate	3.871	43	17067	7.222	ug/L	92
21) Methyl tert-butyl ether	3.969	73	78767	9.873	ug/L	95
22) tert-Butyl alcohol	4.052	59	11749	41.734	ug/L	94
24) Diisopropyl ether	4.345	45	106117	7.267	ug/L	96
25) 1,1-Dichloroethane	4.478	63	118856	10.784	ug/L	95
26) Halothane	4.526	117	36018	10.289	ug/L	99

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N09.D
Acq On : 24 Jan 2023 08:31 pm
Operator : VOA122:MKS
Sample : I8260STD10PPB
Misc : WG1737034
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 25 08:12:10 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Dec 12 08:24:31 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.519	53	11362	8.696	ug/L		98
28) Ethyl tert-butyl ether	4.701	59	100435	8.004	ug/L		86
29) Vinyl acetate	4.708	43	43090	5.792	ug/L	#	94
30) cis-1,2-Dichloroethene	5.007	96	59550	14.029	ug/L	#	76
31) 2,2-Dichloropropane	5.119	77	99426	11.673	ug/L		97
32) Bromochloromethane	5.209	128	24734	10.237	ug/L	#	76
33) Cyclohexane	5.216	56	105577	9.287	ug/L		84
34) Chloroform	5.279	83	114016M1	10.985	ug/L		
35) Ethyl acetate	5.391	43	16809	6.398	ug/L		95
36) Carbon tetrachloride	5.426	117	92427	11.587	ug/L		97
37) Tetrahydrofuran	5.439	42	7237M1	7.476	ug/L		
39) 1,1,1-Trichloroethane	5.488	97	101339	11.362	ug/L		98
41) 2-Butanone	5.579	43	9206	7.590	ug/L	#	55
42) 1,1-Dichloropropene	5.614	75	67351	10.350	ug/L		93
44) Benzene	5.864	78	180608	10.010	ug/L		94
45) tert-Amyl methyl ether	5.982	73	79064	8.738	ug/L		94
47) 1,2-Dichloroethane	6.070	62	71428	9.691	ug/L		97
50) Methyl cyclohexane	6.469	83	86604	10.782	ug/L	#	78
51) Trichloroethene	6.469	95	54695	11.174	ug/L		89
53) Dibromomethane	6.918	93	28132	10.190	ug/L	#	83
54) 1,2-Dichloropropane	7.029	63	46727	9.117	ug/L		97
56) 2-Chloroethyl vinyl ether	7.721	63	15530	7.976	ug/L		90
57) Bromodichloromethane	7.095	83	72070	9.899	ug/L		97
60) 1,4-Dioxane	7.309	88	15123	522.302	ug/L	#	71
61) cis-1,3-Dichloropropene	7.795	75	68004	9.229	ug/L		96
64) Toluene	8.068	92	126275	9.567	ug/L		94
65) 4-Methyl-2-pentanone	8.495	58	5276	4.910	ug/L		89
66) Tetrachloroethene	8.526	166	45934	8.675	ug/L		86
68) trans-1,3-Dichloropropene	8.549	75	65153	9.555	ug/L		98
70) Ethyl methacrylate	8.740	69	36407	9.439	ug/L		92
71) 1,1,2-Trichloroethane	8.740	83	23458	8.271	ug/L		94
72) Chlorodibromomethane	8.954	129	35360	8.162	ug/L		97
73) 1,3-Dichloropropane	9.065	76	52281	8.804	ug/L		99
74) 1,2-Dibromoethane	9.239	107	27601	8.532	ug/L		99
76) 2-Hexanone	9.517	43	14241	7.859	ug/L		99
77) Chlorobenzene	9.898	112	132431	9.910	ug/L	#	86
78) Ethylbenzene	9.937	91	261319	10.481	ug/L		96
79) 1,1,1,2-Tetrachloroethane	9.977	131	37362	8.614	ug/L		94
80) p/m Xylene	10.120	106	197426	20.710	ug/L		87
81) o Xylene	10.643	106	185051	20.821	ug/L		85

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N09.D
Acq On : 24 Jan 2023 08:31 pm
Operator : VOA122:MKS
Sample : I8260STD10PPB
Misc : WG1737034
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 25 08:12:10 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Dec 12 08:24:31 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.706	104	304013	20.955	ug/L	#	85
84) Bromoform	10.730	173	22288	8.532	ug/L		97
86) Isopropylbenzene	11.016	105	263773	10.279	ug/L		94
88) Bromobenzene	11.444	156	55430	8.489	ug/L		99
89) n-Propylbenzene	11.476	91	323596	9.557	ug/L		93
90) 1,4-Dichlorobutane	11.491	55	52416	7.923	ug/L		93
91) 1,1,2,2-Tetrachloroethane	11.555	83	28307	7.639	ug/L		99
92) 4-Ethyltoluene	11.602	105	265023	10.470	ug/L		94
93) 2-Chlorotoluene	11.642	91	187999M1	10.257	ug/L		
94) 1,3,5-Trimethylbenzene	11.698	105	208530	9.450	ug/L		93
95) 1,2,3-Trichloropropane	11.698	75	27398	8.821	ug/L		93
96) trans-1,4-Dichloro-2-b...	11.745	53	11085	7.724	ug/L		82
97) 4-Chlorotoluene	11.825	91	200477	10.338	ug/L		88
98) tert-Butylbenzene	12.028	119	226448	12.479	ug/L	#	86
101) 1,2,4-Trimethylbenzene	12.104	105	199901	8.926	ug/L		92
102) sec-Butylbenzene	12.216	105	276276	10.520	ug/L		94
103) p-Isopropyltoluene	12.369	119	228356	10.179	ug/L		92
104) 1,3-Dichlorobenzene	12.432	146	111504	10.027	ug/L		95
105) 1,4-Dichlorobenzene	12.522	146	106646M3	9.483	ug/L		
106) p-Diethylbenzene	12.731	119	126662	9.643	ug/L		93
107) n-Butylbenzene	12.794	91	200338	10.074	ug/L		96
108) 1,2-Dichlorobenzene	12.947	146	96080	9.650	ug/L		95
109) 1,2,4,5-Tetramethylben...	13.517	119	162273	8.470	ug/L		93
110) 1,2-Dibromo-3-chloropr...	13.712	155	5793	8.552	ug/L		96
111) 1,3,5-Trichlorobenzene	13.747	180	70595	9.534	ug/L	#	95
112) Hexachlorobutadiene	14.311	225	34698	11.866	ug/L		97
113) 1,2,4-Trichlorobenzene	14.339	180	62331	9.277	ug/L		99
114) Naphthalene	14.631	128	114229	8.107	ug/L		100
115) 1,2,3-Trichlorobenzene	14.798	180	54467	9.708	ug/L		99

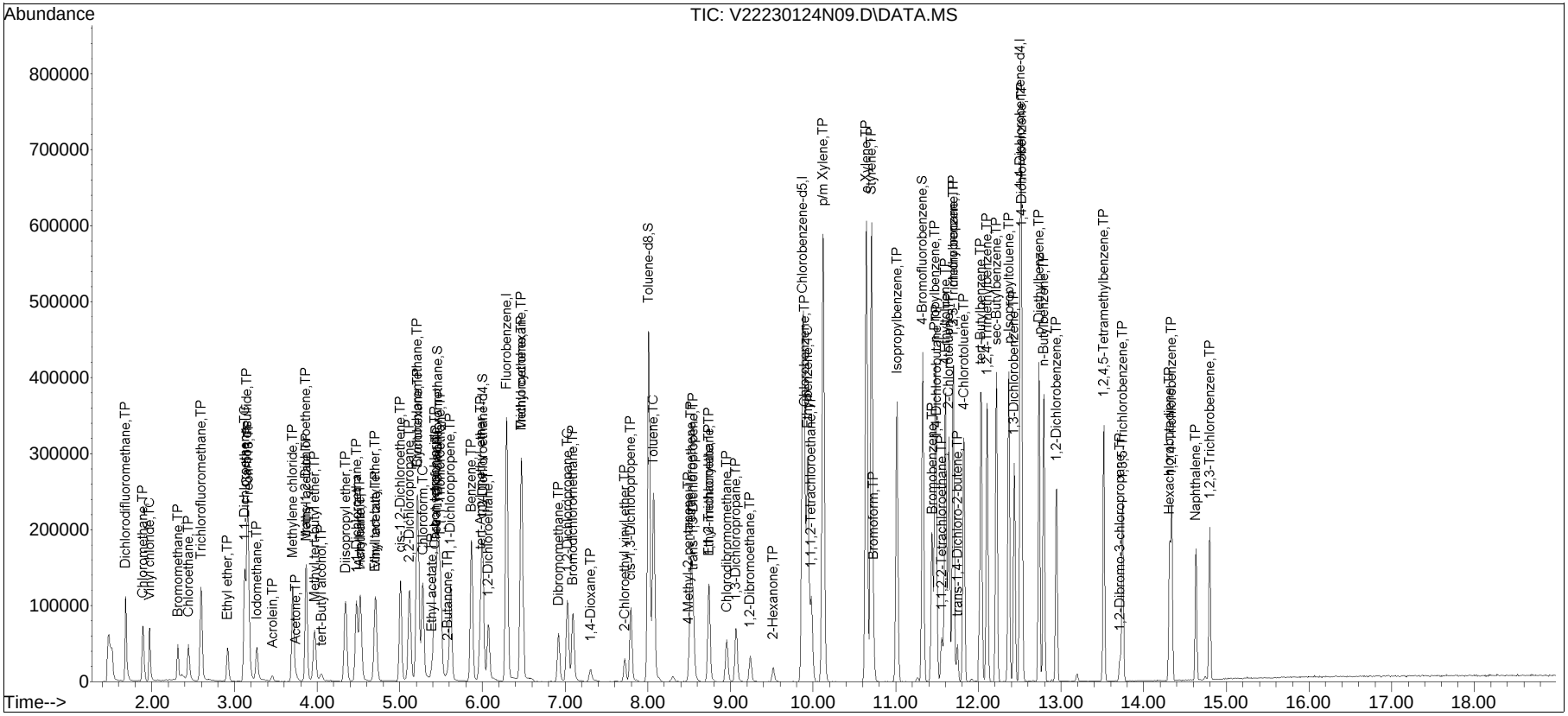
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N09.D
Acq On : 24 Jan 2023 08:31 pm
Operator : VOA122:MKS
Sample : I8260STD10PPB
Misc : WG1737034
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 25 08:12:10 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Dec 12 08:24:31 2022
Response via : Initial Calibration

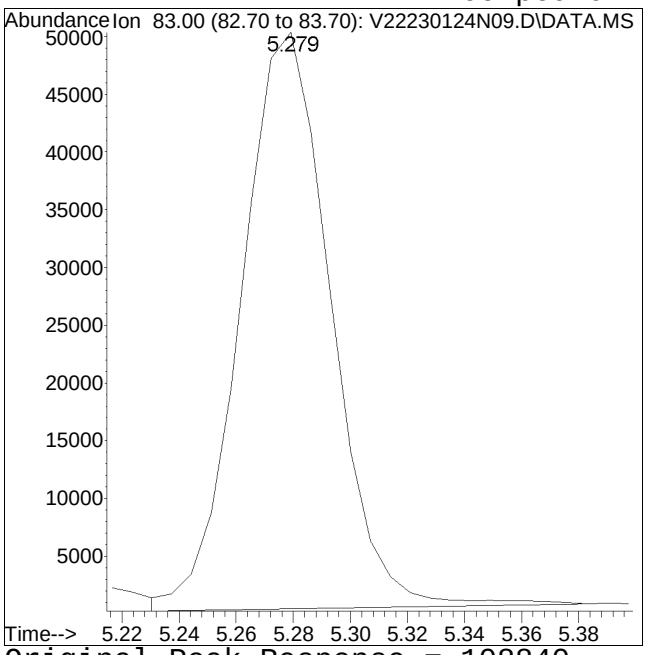
Sub List : 8260-Curve - Megamix plus Diox30124NICAL\V22230124N09.D•

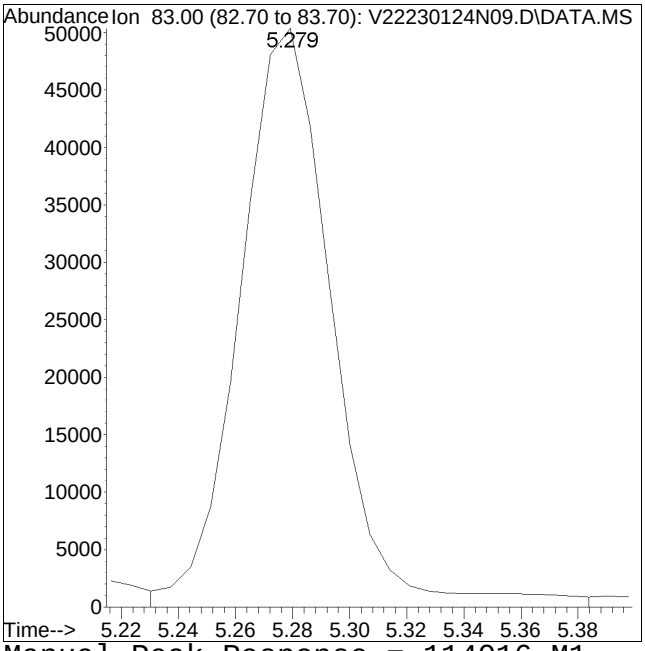


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230124N_8260.m
Data File : V22230124N09.D Operator : VOA122:MKS
Date Inj'd : 1/24/2023 8:31 pm Instrument : VOA122
Sample : I8260STD10PPB Quant Date : 1/25/2023 8:09 am

Compound #34: Chloroform





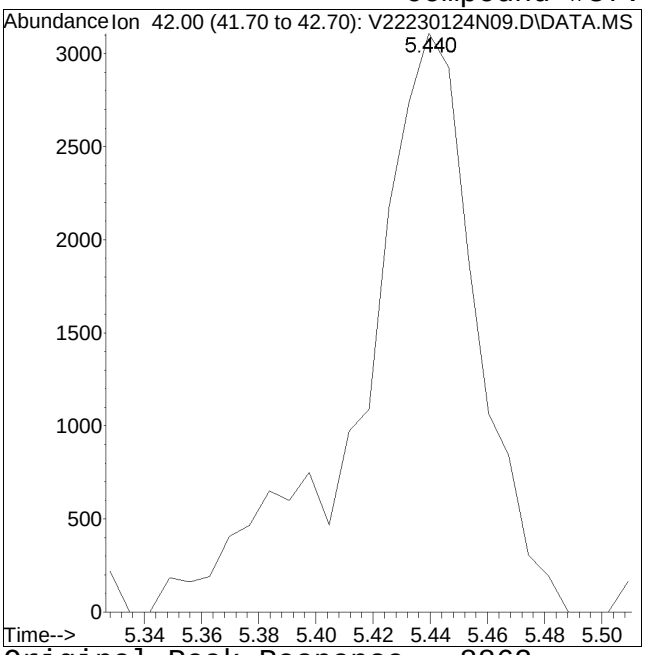
Original Peak Response = 108840 Manual Peak Response = 114016 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

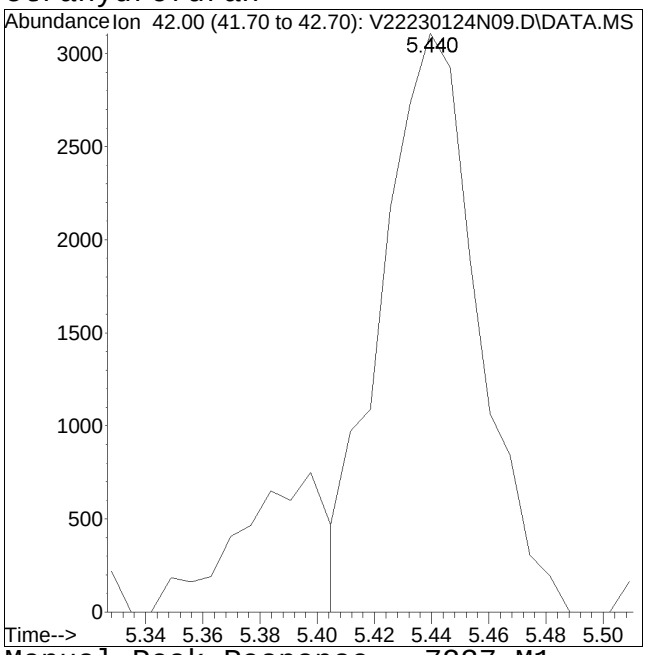
Data Path : I:\VOLATILES\VOA122\2023\2Q
Data File : V22230124N09.D
Date Inj'd : 1/24/2023 8:31 pm
Sample : I8260STD10PPB

Method : V122_230124N_8260.m
Operator : VOA122:MKS
Instrument : VOA122
Quant Date : 1/25/2023 8:09 am

Compound #37: Tetrahydrofuran



Original Peak Response = 8862



Manual Peak Response = 7237 M1

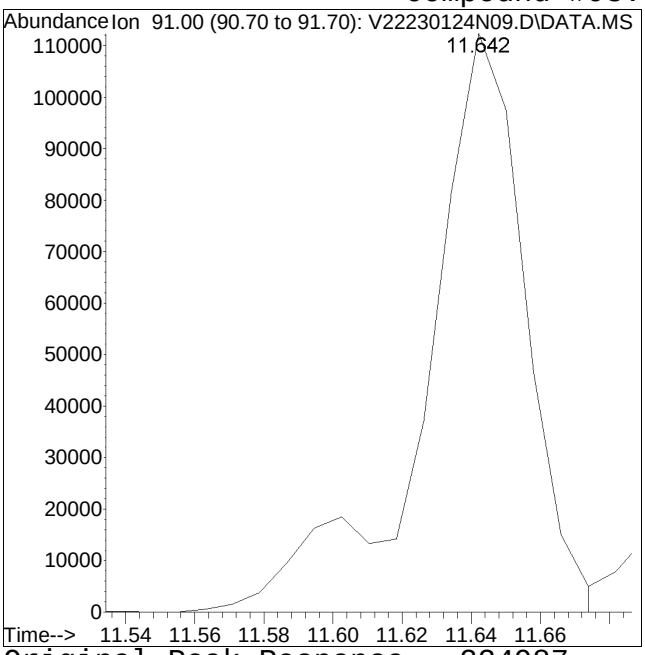
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

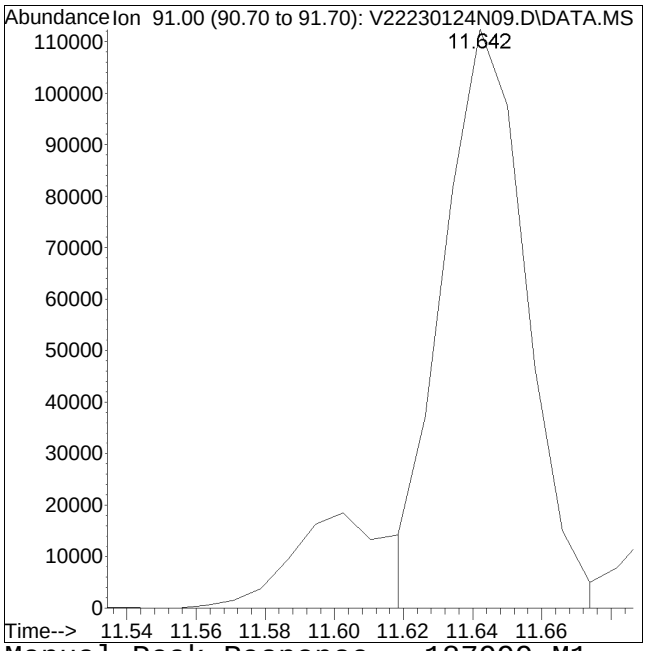
Data Path : I:\VOLATILES\VOA122\2023\2Q
Data File : V22230124N09.D
Date Inj'd : 1/24/2023 8:31 pm
Sample : I8260STD10PPB

Method : V122_230124N_8260.m
Operator : VOA122:MKS
Instrument : VOA122
Quant Date : 1/25/2023 8:09 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 224987



Manual Peak Response = 187999 M1

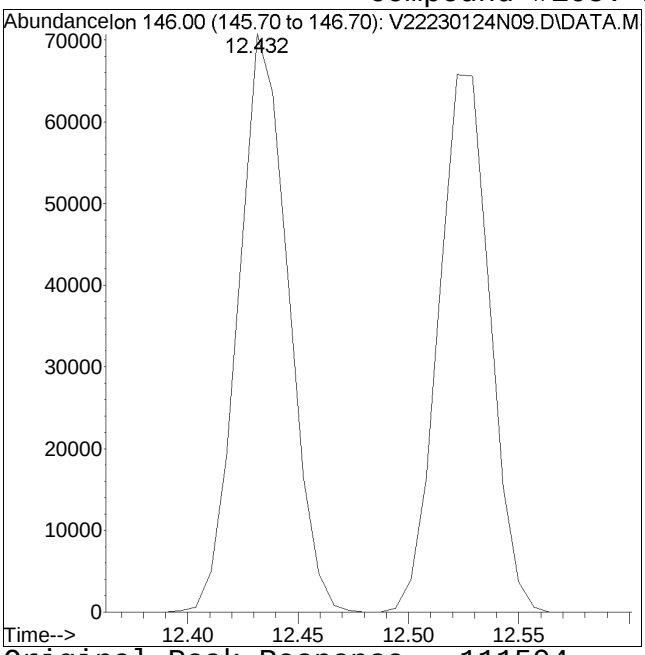
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

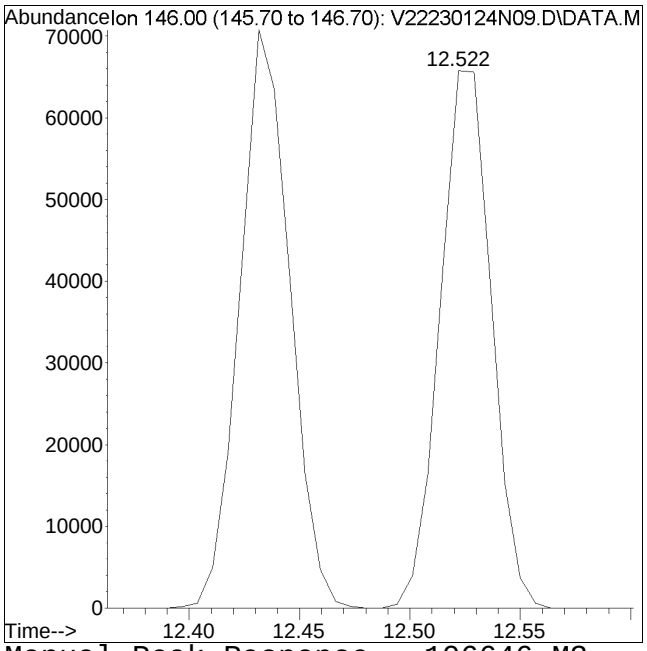
Data Path : I:\VOLATILES\VOA122\2023\2Q
Data File : V22230124N09.D
Date Inj'd : 1/24/2023 8:31 pm
Sample : I8260STD10PPB

Method : V122_230124N_8260.m
Operator : VOA122:MKS
Instrument : VOA122
Quant Date : 1/25/2023 8:09 am

Compound #105: 1,4-Dichlorobenzene



Original Peak Response = 111504



Manual Peak Response = 106646 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N10.D
Acq On : 24 Jan 2023 08:56 pm
Operator : VOA122:MKS
Sample : I8260STD30PPB
Misc : WG1737034
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 25 08:23:36 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.292	96	408276	10.000	ug/L	0.00
Standard Area 1 = 347608			Recovery = 117.45%			
62) Chlorobenzene-d5	9.874	117	292867	10.000	ug/L	0.00
Standard Area 1 = 276768			Recovery = 105.82%			
83) 1,4-Dichlorobenzene-d4	12.508	152	161755	10.000	ug/L	0.00
Standard Area 1 = 153195			Recovery = 105.59%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.461	113	120989	8.970	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.70%			
46) 1,2-Dichloroethane-d4	6.004	65	142443	9.205	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.05%			
63) Toluene-d8	8.009	98	385307	10.062	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.62%			
87) 4-Bromofluorobenzene	11.325	95	157407	9.892	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.92%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.682	85	252826	25.461	ug/L	99
3) Chloromethane	1.892	50	222769	25.421	ug/L	98
4) Vinyl chloride	1.975	62	169773	26.284	ug/L	99
5) Bromomethane	2.317	94	74720	27.799	ug/L	100
6) Chloroethane	2.442	64	119452	25.962	ug/L	99
7) Trichlorofluoromethane	2.596	101	332491	25.947	ug/L	100
8) Ethyl ether	2.916	74	57829	27.793	ug/L #	1
10) 1,1-Dichloroethene	3.125	96	155664	25.541	ug/L #	65
11) Carbon disulfide	3.153	76	531712	25.873	ug/L	100
12) Freon-113	3.167	101	172296	25.960	ug/L	90
13) Iodomethane	3.272	142	172324	31.996	ug/L	84
14) Acrolein	3.453	56	17310	25.397	ug/L	94
15) Methylene chloride	3.704	84	177668	25.302	ug/L	82
17) Acetone	3.746	43	25410	24.847	ug/L	91
18) trans-1,2-Dichloroethene	3.864	96	169968	26.238	ug/L	79
19) Methyl acetate	3.871	43	55062	27.468	ug/L	92
21) Methyl tert-butyl ether	3.969	73	291313	31.488	ug/L	96
22) tert-Butyl alcohol	4.052	59	39356M1	142.599	ug/L	
24) Diisopropyl ether	4.345	45	390883	31.362	ug/L	96
25) 1,1-Dichloroethane	4.478	63	360746	25.841	ug/L	97
26) Halothane	4.520	117	118507	28.013	ug/L	99

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N10.D
Acq On : 24 Jan 2023 08:56 pm
Operator : VOA122:MKS
Sample : I8260STD30PPB
Misc : WG1737034
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 25 08:23:36 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.520	53	34402	25.779	ug/L		92
28) Ethyl tert-butyl ether	4.701	59	397301	33.680	ug/L		88
29) Vinyl acetate	4.708	43	183922	36.341	ug/L		95
30) cis-1,2-Dichloroethene	5.007	96	186375	26.647	ug/L	#	77
31) 2,2-Dichloropropane	5.119	77	319676	27.374	ug/L		99
32) Bromochloromethane	5.210	128	74615	25.684	ug/L	#	72
33) Cyclohexane	5.217	56	365456	29.471	ug/L		81
34) Chloroform	5.279	83	356228M1	26.601	ug/L		
35) Ethyl acetate	5.384	43	72027	36.483	ug/L		96
36) Carbon tetrachloride	5.426	117	296248	27.289	ug/L		99
37) Tetrahydrofuran	5.433	42	20719	24.375	ug/L	#	82
39) 1,1,1-Trichloroethane	5.495	97	330433	27.761	ug/L		97
41) 2-Butanone	5.579	43	30688	28.381	ug/L	#	51
42) 1,1-Dichloropropene	5.614	75	246438	31.153	ug/L		93
44) Benzene	5.871	78	644321	30.374	ug/L		94
45) tert-Amyl methyl ether	5.974	73	301047	32.418	ug/L		95
47) 1,2-Dichloroethane	6.070	62	246040	29.327	ug/L		97
50) Methyl cyclohexane	6.469	83	289179	28.429	ug/L	#	77
51) Trichloroethene	6.469	95	197424	30.732	ug/L		87
53) Dibromomethane	6.919	93	92512	27.998	ug/L	#	83
54) 1,2-Dichloropropane	7.029	63	173049	31.531	ug/L		96
56) 2-Chloroethyl vinyl ether	7.722	63	62384	34.201	ug/L		91
57) Bromodichloromethane	7.095	83	259746	30.685	ug/L		99
60) 1,4-Dioxane	7.302	88	17042	479.721	ug/L	#	65
61) cis-1,3-Dichloropropene	7.795	75	265614	33.255	ug/L		96
64) Toluene	8.068	92	397909	29.779	ug/L		94
65) 4-Methyl-2-pentanone	8.495	58	18608	33.330	ug/L		97
66) Tetrachloroethene	8.526	166	152561	31.387	ug/L		88
68) trans-1,3-Dichloropropene	8.550	75	247273	35.866	ug/L		98
70) Ethyl methacrylate	8.740	69	115718	30.037	ug/L		98
71) 1,1,2-Trichloroethane	8.740	83	87739	35.347	ug/L		94
72) Chlorodibromomethane	8.954	129	135904	36.322	ug/L		98
73) 1,3-Dichloropropane	9.073	76	197649	35.727	ug/L		99
74) 1,2-Dibromoethane	9.239	107	102965	35.254	ug/L		100
76) 2-Hexanone	9.517	43	46808	31.062	ug/L		99
77) Chlorobenzene	9.898	112	420561	30.011	ug/L		89
78) Ethylbenzene	9.937	91	811667	29.353	ug/L		96
79) 1,1,1,2-Tetrachloroethane	9.977	131	134755	34.085	ug/L		96
80) p/m Xylene	10.120	106	601740	57.608	ug/L		86
81) o Xylene	10.643	106	571396	58.361	ug/L		85

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N10.D
Acq On : 24 Jan 2023 08:56 pm
Operator : VOA122:MKS
Sample : I8260STD30PPB
Misc : WG1737034
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 25 08:23:36 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82)	Styrene	10.707	104	953448	59.276	ug/L	#	85
84)	Bromoform	10.730	173	81993	34.841	ug/L		99
86)	Isopropylbenzene	11.016	105	824344	29.598	ug/L		95
88)	Bromobenzene	11.436	156	176112	30.091	ug/L		99
89)	n-Propylbenzene	11.476	91	1013216	29.654	ug/L		93
90)	1,4-Dichlorobutane	11.492	55	179162	32.372	ug/L		96
91)	1,1,2,2-Tetrachloroethane	11.555	83	101851	34.077	ug/L		99
92)	4-Ethyltoluene	11.603	105	811978	29.017	ug/L		96
93)	2-Chlorotoluene	11.642	91	579689M1	29.203	ug/L		
94)	1,3,5-Trimethylbenzene	11.698	105	694305	31.533	ug/L		92
95)	1,2,3-Trichloropropane	11.698	75	94120	32.535	ug/L		93
96)	trans-1,4-Dichloro-2-b...	11.745	53	37267	31.840	ug/L		90
97)	4-Chlorotoluene	11.825	91	628169	29.676	ug/L		89
98)	tert-Butylbenzene	12.035	119	681888	28.519	ug/L	#	84
101)	1,2,4-Trimethylbenzene	12.105	105	667714	31.635	ug/L		92
102)	sec-Butylbenzene	12.216	105	844613	28.954	ug/L		94
103)	p-Isopropyltoluene	12.369	119	718287	29.790	ug/L		91
104)	1,3-Dichlorobenzene	12.432	146	343047	29.137	ug/L		95
105)	1,4-Dichlorobenzene	12.529	146	338918	30.098	ug/L		95
106)	p-Diethylbenzene	12.731	119	410262	30.676	ug/L		93
107)	n-Butylbenzene	12.794	91	647179	30.595	ug/L		96
108)	1,2-Dichlorobenzene	12.947	146	303311	29.898	ug/L		95
109)	1,2,4,5-Tetramethylben...	13.518	119	528256	30.831	ug/L		93
110)	1,2-Dibromo-3-chloropr...	13.713	155	18908	30.912	ug/L		99
111)	1,3,5-Trichlorobenzene	13.747	180	229137	30.740	ug/L		96
112)	Hexachlorobutadiene	14.311	225	106917	29.183	ug/L		98
113)	1,2,4-Trichlorobenzene	14.339	180	198517	30.163	ug/L		99
114)	Naphthalene	14.631	128	365728	30.323	ug/L		100
115)	1,2,3-Trichlorobenzene	14.798	180	172752	30.038	ug/L		99

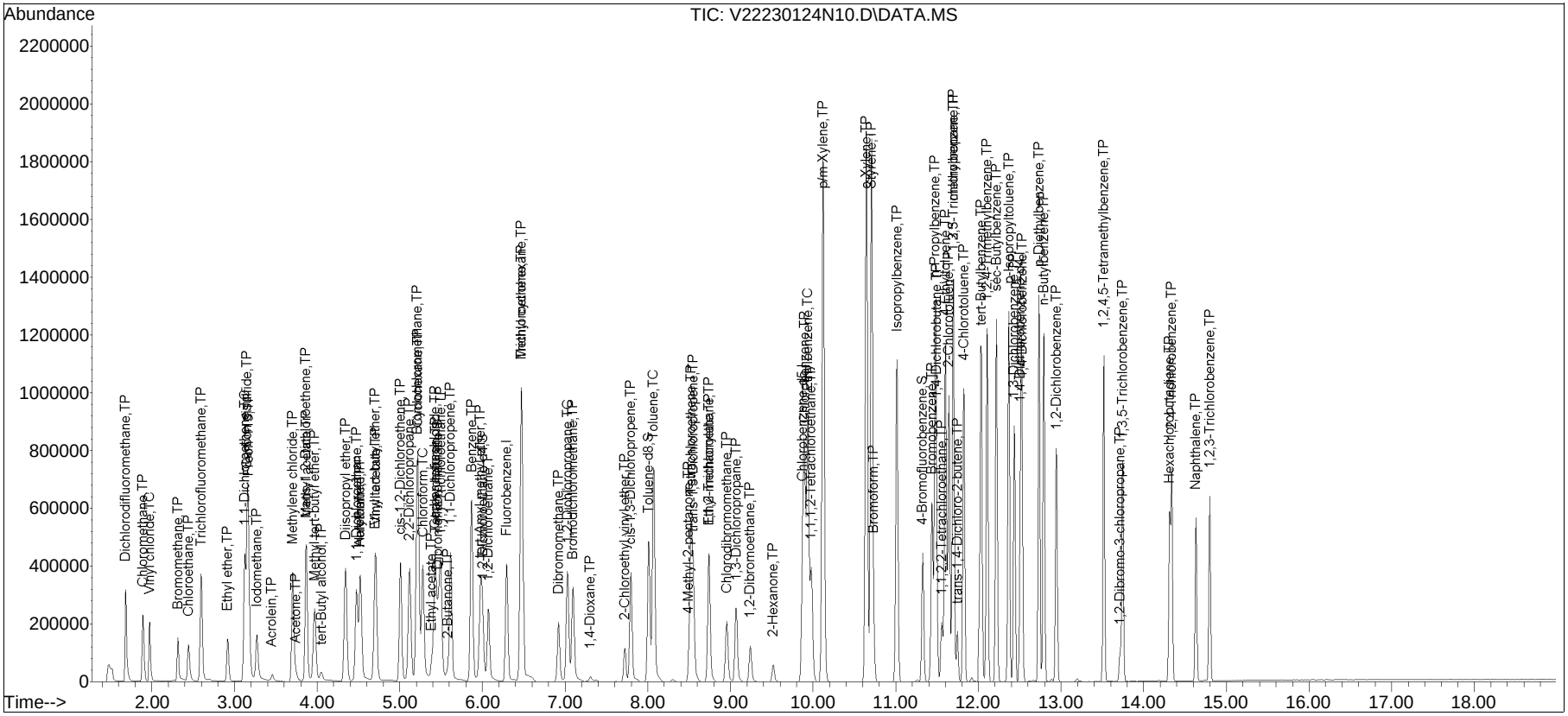
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N10.D
Acq On : 24 Jan 2023 08:56 pm
Operator : VOA122:MKS
Sample : I8260STD30PPB
Misc : WG1737034
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 25 08:23:36 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

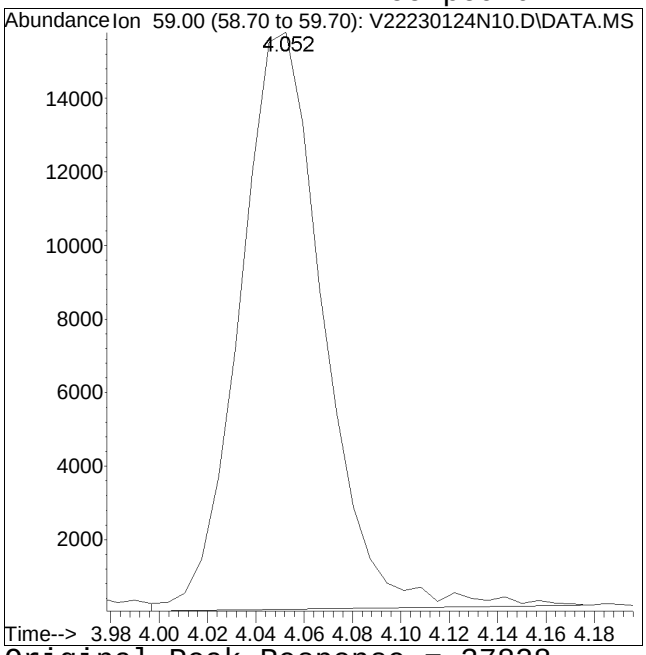
Sub List : 8260-Curve - Megamix plus Diox30124NICAL\V22230124N09.D•

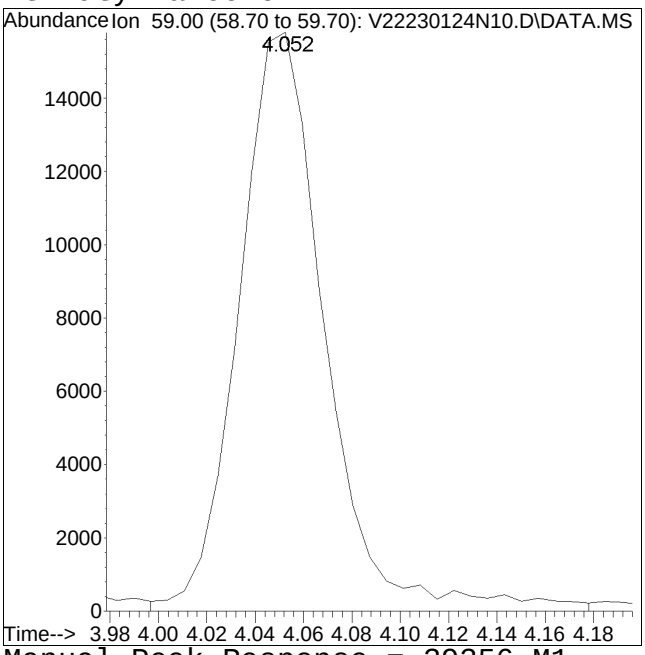


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230124N_8260.m
Data File : V22230124N10.D Operator : VOA122:MKS
Date Inj'd : 1/24/2023 8:56 pm Instrument : VOA122
Sample : I8260STD30PPB Quant Date : 1/25/2023 8:14 am

Compound #22: tert-Butyl alcohol



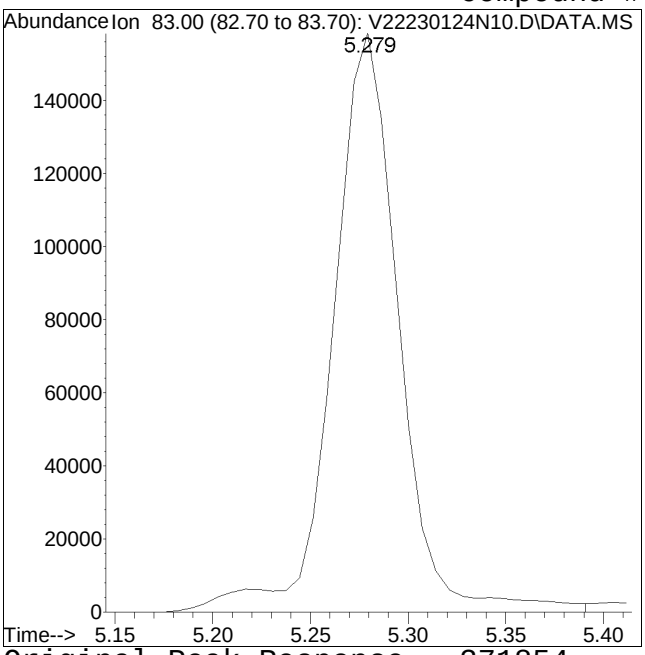


Original Peak Response = 37828 Manual Peak Response = 39356 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

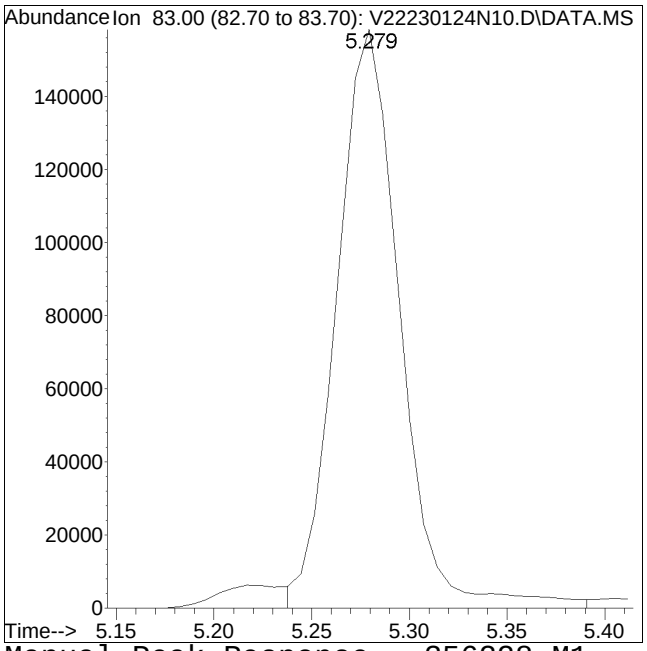
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230124N_8260.m
Data File : V22230124N10.D Operator : VOA122:MKS
Date Inj'd : 1/24/2023 8:56 pm Instrument : VOA122
Sample : I8260STD30PPB Quant Date : 1/25/2023 8:14 am

Compound #34: Chloroform



Original Peak Response = 371854



Manual Peak Response = 356228 M1

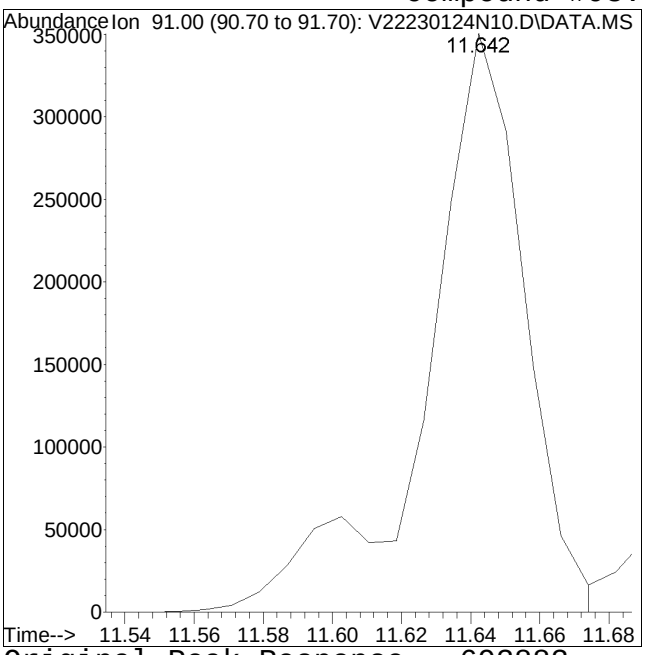
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

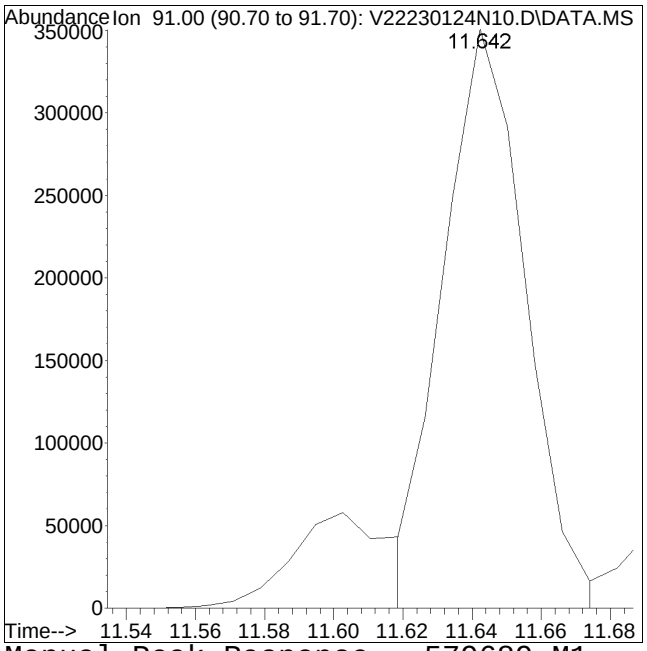
Data Path : I:\VOLATILES\VOA122\2023\2Q
Data File : V22230124N10.D
Date Inj'd : 1/24/2023 8:56 pm
Sample : I8260STD30PPB

Method : V122_230124N_8260.m
Operator : VOA122:MKS
Instrument : VOA122
Quant Date : 1/25/2023 8:14 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 693883



Manual Peak Response = 579689 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N11.D
Acq On : 24 Jan 2023 09:20 pm
Operator : VOA122:MKS
Sample : I8260STD80PPB
Misc : WG1737034
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 25 08:26:06 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.292	96	464449	10.000	ug/L	0.00
Standard Area 1 = 347608			Recovery = 133.61%			
62) Chlorobenzene-d5	9.874	117	320845	10.000	ug/L	0.00
Standard Area 1 = 276768			Recovery = 115.93%			
83) 1,4-Dichlorobenzene-d4	12.508	152	176936	10.000	ug/L	0.00
Standard Area 1 = 153195			Recovery = 115.50%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.460	113	126356	8.235	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 82.35%			
46) 1,2-Dichloroethane-d4	6.004	65	153601	8.726	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.26%			
63) Toluene-d8	8.009	98	426341	10.163	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.63%			
87) 4-Bromofluorobenzene	11.325	95	167962	9.650	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.682	85	667958	59.132	ug/L	99
3) Chloromethane	1.891	50	601988	60.388	ug/L	98
4) Vinyl chloride	1.968	62	466436	63.479	ug/L	98
5) Bromomethane	2.317	94	231246	75.627	ug/L	97
6) Chloroethane	2.442	64	325926	62.271	ug/L	98
7) Trichlorofluoromethane	2.595	101	905301	62.103	ug/L	100
8) Ethyl ether	2.916	74	171191	72.326	ug/L #	1
10) 1,1-Dichloroethene	3.125	96	433449	62.517	ug/L #	67
11) Carbon disulfide	3.153	76	1453516	62.173	ug/L	99
12) Freon-113	3.167	101	478406	63.365	ug/L	89
13) Iodomethane	3.272	142	550261	89.812	ug/L	86
14) Acrolein	3.460	56	50353	64.942	ug/L	97
15) Methylene chloride	3.704	84	489040	61.221	ug/L	83
17) Acetone	3.746	43	71616	61.559	ug/L	95
18) trans-1,2-Dichloroethene	3.871	96	488288	66.260	ug/L	80
19) Methyl acetate	3.871	43	159559	69.971	ug/L	94
21) Methyl tert-butyl ether	3.969	73	897390	85.269	ug/L	97
22) tert-Butyl alcohol	4.045	59	117130	373.069	ug/L	94
24) Diisopropyl ether	4.345	45	1215982	85.762	ug/L	97
25) 1,1-Dichloroethane	4.478	63	996992	62.780	ug/L	97
26) Halothane	4.519	117	331137	68.808	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N11.D
Acq On : 24 Jan 2023 09:20 pm
Operator : VOA122:MKS
Sample : I8260STD80PPB
Misc : WG1737034
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 25 08:26:06 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.519	53	98304	64.754	ug/L		93
28) Ethyl tert-butyl ether	4.701	59	1257422	93.702	ug/L		86
29) Vinyl acetate	4.715	43	527126	91.557	ug/L	#	93
30) cis-1,2-Dichloroethene	5.007	96	525883	66.094	ug/L	#	80
31) 2,2-Dichloropropane	5.119	77	888460	66.879	ug/L		97
32) Bromochloromethane	5.209	128	214426	64.884	ug/L	#	76
33) Cyclohexane	5.216	56	1013899	71.875	ug/L		83
34) Chloroform	5.279	83	980359	64.353	ug/L		100
35) Ethyl acetate	5.384	43	226569	100.881	ug/L		99
36) Carbon tetrachloride	5.426	117	834741	67.593	ug/L		99
37) Tetrahydrofuran	5.433	42	62497	64.633	ug/L	#	87
39) 1,1,1-Trichloroethane	5.495	97	939114	69.358	ug/L		98
41) 2-Butanone	5.572	43	97573	79.325	ug/L	#	55
42) 1,1-Dichloropropene	5.614	75	797906	88.666	ug/L		90
44) Benzene	5.871	78	1911797	79.224	ug/L		94
45) tert-Amyl methyl ether	5.974	73	993215	94.019	ug/L		97
47) 1,2-Dichloroethane	6.070	62	706166	73.993	ug/L		97
50) Methyl cyclohexane	6.469	83	870084	75.193	ug/L	#	80
51) Trichloroethene	6.476	95	596198	81.582	ug/L	#	86
53) Dibromomethane	6.918	93	269863	71.795	ug/L	#	81
54) 1,2-Dichloropropane	7.029	63	517292	82.855	ug/L		96
56) 2-Chloroethyl vinyl ether	7.721	63	194775	93.867	ug/L		93
57) Bromodichloromethane	7.095	83	759691	78.892	ug/L		100
60) 1,4-Dioxane	7.309	88	25206	623.717	ug/L	#	72
61) cis-1,3-Dichloropropene	7.795	75	823894	90.675	ug/L		97
64) Toluene	8.075	92	1143052	78.085	ug/L		94
65) 4-Methyl-2-pentanone	8.495	58	56285	92.026	ug/L		98
66) Tetrachloroethene	8.526	166	449420	84.399	ug/L		90
68) trans-1,3-Dichloropropene	8.549	75	767781	101.654	ug/L		97
70) Ethyl methacrylate	8.740	69	330642	78.342	ug/L		93
71) 1,1,2-Trichloroethane	8.740	83	271650	99.894	ug/L		95
72) Chlorodibromomethane	8.954	129	421893	102.923	ug/L		97
73) 1,3-Dichloropropane	9.073	76	610787	100.778	ug/L		99
74) 1,2-Dibromoethane	9.239	107	321640	100.523	ug/L		99
76) 2-Hexanone	9.517	43	134433	81.430	ug/L		98
77) Chlorobenzene	9.898	112	1209389	78.777	ug/L		89
78) Ethylbenzene	9.937	91	2301686	75.979	ug/L		96
79) 1,1,1,2-Tetrachloroethane	9.977	131	429031	99.056	ug/L		96
80) p/m Xylene	10.120	106	1690654	147.741	ug/L		88
81) o Xylene	10.643	106	1630455	152.009	ug/L		87

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N11.D
Acq On : 24 Jan 2023 09:20 pm
Operator : VOA122:MKS
Sample : I8260STD80PPB
Misc : WG1737034
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 25 08:26:06 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82)	Styrene	10.706	104	2729507	154.897	ug/L	#	85
84)	Bromoform	10.730	173	263091	102.203	ug/L		99
86)	Isopropylbenzene	11.016	105	2327049	76.384	ug/L		95
88)	Bromobenzene	11.436	156	496786	77.598	ug/L		99
89)	n-Propylbenzene	11.484	91	2839515	75.975	ug/L		94
90)	1,4-Dichlorobutane	11.491	55	530847	87.687	ug/L		97
91)	1,1,2,2-Tetrachloroethane	11.555	83	300798	92.005	ug/L		99
92)	4-Ethyltoluene	11.602	105	2304802	75.297	ug/L		96
93)	2-Chlorotoluene	11.642	91	1643135M1	75.674	ug/L		
94)	1,3,5-Trimethylbenzene	11.698	105	1981319	82.265	ug/L		93
95)	1,2,3-Trichloropropane	11.698	75	277577	87.719	ug/L		94
96)	trans-1,4-Dichloro-2-b...	11.745	53	108019	84.371	ug/L		89
97)	4-Chlorotoluene	11.825	91	1765197	76.235	ug/L		89
98)	tert-Butylbenzene	12.035	119	1952066	74.637	ug/L	#	85
101)	1,2,4-Trimethylbenzene	12.104	105	1962775	85.013	ug/L		93
102)	sec-Butylbenzene	12.216	105	2399660	75.203	ug/L		95
103)	p-Isopropyltoluene	12.369	119	2032216	77.052	ug/L		92
104)	1,3-Dichlorobenzene	12.439	146	990266	76.894	ug/L		95
105)	1,4-Dichlorobenzene	12.529	146	978073	79.406	ug/L		96
106)	p-Diethylbenzene	12.738	119	1217041	83.193	ug/L		94
107)	n-Butylbenzene	12.794	91	1856904	80.252	ug/L		97
108)	1,2-Dichlorobenzene	12.947	146	871853	78.567	ug/L		94
109)	1,2,4,5-Tetramethylben...	13.517	119	1581110	84.361	ug/L		94
110)	1,2-Dibromo-3-chloropr...	13.712	155	55748	83.321	ug/L		100
111)	1,3,5-Trichlorobenzene	13.747	180	682758	83.738	ug/L		96
112)	Hexachlorobutadiene	14.311	225	302676	75.527	ug/L		99
113)	1,2,4-Trichlorobenzene	14.339	180	581127	80.723	ug/L		99
114)	Naphthalene	14.631	128	1058701	80.246	ug/L		100
115)	1,2,3-Trichlorobenzene	14.798	180	489536	77.818	ug/L		97

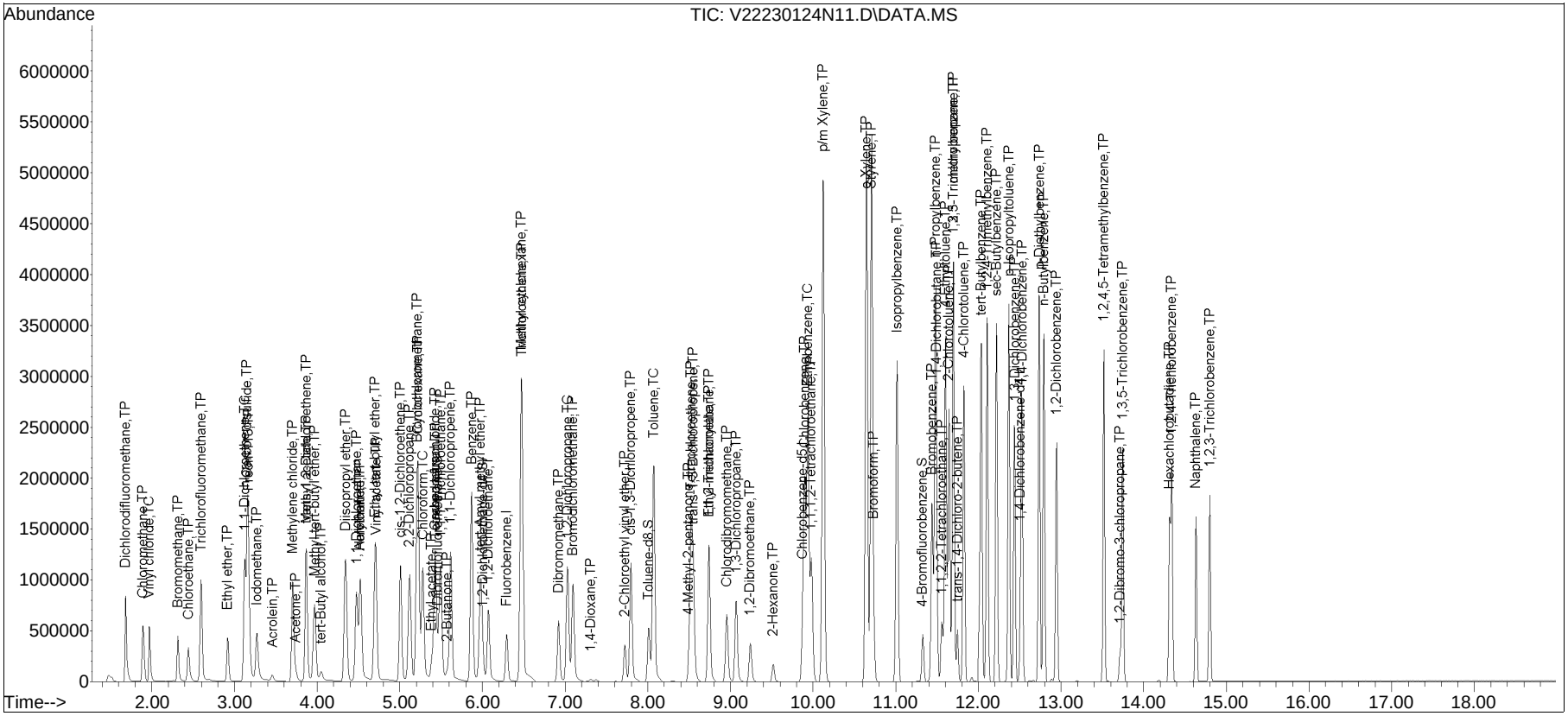
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N11.D
Acq On : 24 Jan 2023 09:20 pm
Operator : VOA122:MKS
Sample : I8260STD80PPB
Misc : WG1737034
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 25 08:26:06 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

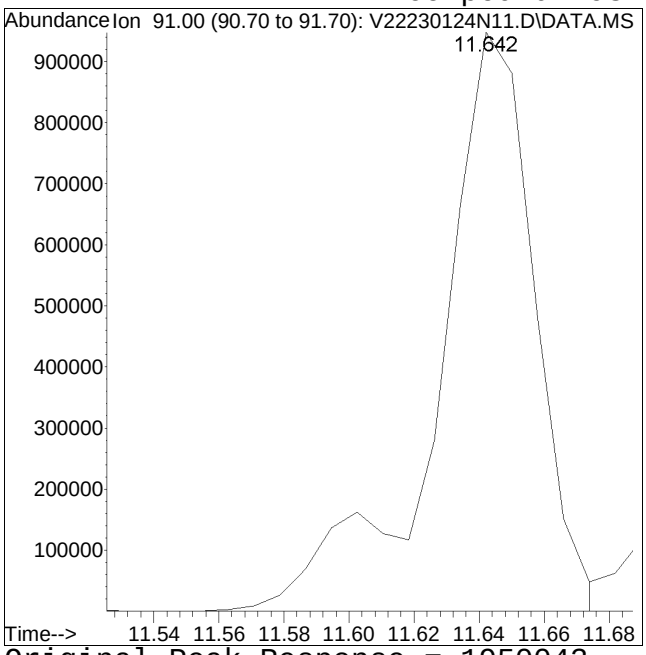
Sub List : 8260-Curve - Megamix plus Diox30124NICAL\V22230124N09.D•

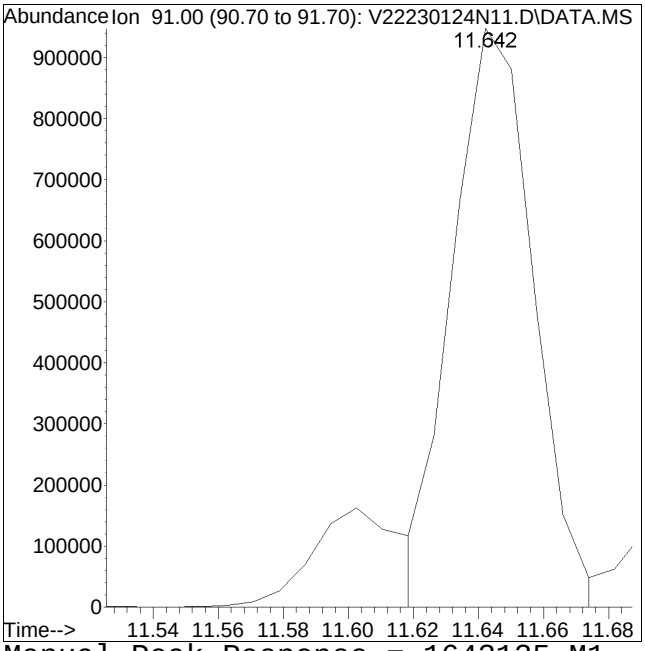


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230124N_8260.m
Data File : V22230124N11.D Operator : VOA122:MKS
Date Inj'd : 1/24/2023 9:20 pm Instrument : VOA122
Sample : I8260STD80PPB Quant Date : 1/25/2023 8:14 am

Compound #93: 2-Chlorotoluene





Original Peak Response = 1950043 Manual Peak Response = 1643135 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N12.D
Acq On : 24 Jan 2023 09:45 pm
Operator : VOA122:MKS
Sample : I8260STD120PPB
Misc : WG1737034
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 25 08:27:47 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.292	96	514200	10.000	ug/L	0.00
Standard Area 1 = 347608			Recovery = 147.93%			
62) Chlorobenzene-d5	9.874	117	346164	10.000	ug/L	0.00
Standard Area 1 = 276768			Recovery = 125.07%			
83) 1,4-Dichlorobenzene-d4	12.508	152	186011	10.000	ug/L	0.00
Standard Area 1 = 153195			Recovery = 121.42%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.461	113	138309	8.141	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 81.41%			
46) 1,2-Dichloroethane-d4	6.004	65	162836	8.356	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 83.56%			
63) Toluene-d8	8.009	98	468854	10.359	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.59%			
87) 4-Bromofluorobenzene	11.325	95	180045	9.839	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.39%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.682	85	1044107	83.488	ug/L	99
3) Chloromethane	1.891	50	963402	87.292	ug/L	98
4) Vinyl chloride	1.968	62	824498	101.352	ug/L	100
5) Bromomethane	2.317	94	440251	130.049	ug/L	99
6) Chloroethane	2.442	64	540294	93.240	ug/L	98
7) Trichlorofluoromethane	2.595	101	1438357	89.123	ug/L	100
8) Ethyl ether	2.916	74	284221	108.461	ug/L #	1
10) 1,1-Dichloroethene	3.125	96	722078	94.070	ug/L #	72
11) Carbon disulfide	3.153	76	2360856	91.213	ug/L	100
12) Freon-113	3.167	101	802865	96.050	ug/L	88
13) Iodomethane	3.272	142	917992	135.335	ug/L	87
14) Acrolein	3.460	56	82175	95.729	ug/L	96
15) Methylene chloride	3.704	84	798550	90.296	ug/L	85
17) Acetone	3.746	43	112814	87.590	ug/L	94
18) trans-1,2-Dichloroethene	3.871	96	801932	98.292	ug/L	82
19) Methyl acetate	3.871	43	260039	103.000	ug/L	94
21) Methyl tert-butyl ether	3.969	73	1484877	127.439	ug/L	98
22) tert-Butyl alcohol	4.052	59	190689	548.596	ug/L	99
24) Diisopropyl ether	4.345	45	2009427	128.010	ug/L	96
25) 1,1-Dichloroethane	4.478	63	1620179	92.151	ug/L	98
26) Halothane	4.526	117	581321	109.107	ug/L	98

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N12.D
Acq On : 24 Jan 2023 09:45 pm
Operator : VOA122:MKS
Sample : I8260STD120PPB
Misc : WG1737034
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 25 08:27:47 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.519	53	162145	96.473	ug/L		97
28) Ethyl tert-butyl ether	4.701	59	2077777	139.853	ug/L		86
29) Vinyl acetate	4.715	43	850845	133.485	ug/L		95
30) cis-1,2-Dichloroethene	5.007	96	855603	97.129	ug/L	#	82
31) 2,2-Dichloropropane	5.119	77	1418388	96.439	ug/L		96
32) Bromochloromethane	5.210	128	347428	94.957	ug/L	#	78
33) Cyclohexane	5.223	56	1663590	106.521	ug/L		83
34) Chloroform	5.279	83	1623919M1	96.284	ug/L		
35) Ethyl acetate	5.384	43	373567	150.240	ug/L		99
36) Carbon tetrachloride	5.426	117	1358606	99.369	ug/L		99
37) Tetrahydrofuran	5.433	42	99775	93.201	ug/L	#	82
39) 1,1,1-Trichloroethane	5.495	97	1504961	100.394	ug/L		98
41) 2-Butanone	5.579	43	157871	115.928	ug/L	#	56
42) 1,1-Dichloropropene	5.614	75	1312518	131.740	ug/L		91
44) Benzene	5.871	78	3170461	118.671	ug/L		96
45) tert-Amyl methyl ether	5.974	73	1665779	142.428	ug/L		97
47) 1,2-Dichloroethane	6.070	62	1108095	104.874	ug/L		98
50) Methyl cyclohexane	6.469	83	1468210	114.606	ug/L	#	81
51) Trichloroethene	6.476	95	965653	119.352	ug/L		87
53) Dibromomethane	6.919	93	439619	105.641	ug/L	#	82
54) 1,2-Dichloropropane	7.029	63	863748	124.962	ug/L		97
56) 2-Chloroethyl vinyl ether	7.722	63	316877	137.936	ug/L		93
57) Bromodichloromethane	7.095	83	1234969	115.840	ug/L		99
60) 1,4-Dioxane	7.309	88	41076	918.074	ug/L	#	71
61) cis-1,3-Dichloropropene	7.795	75	1352230	134.423	ug/L		98
64) Toluene	8.075	92	1863734	118.005	ug/L		95
65) 4-Methyl-2-pentanone	8.495	58	91441	138.570	ug/L		94
66) Tetrachloroethene	8.526	166	734178	127.791	ug/L		91
68) trans-1,3-Dichloropropene	8.549	75	1250099	153.407	ug/L		95
70) Ethyl methacrylate	8.740	69	523890	115.051	ug/L		91
71) 1,1,2-Trichloroethane	8.740	83	444969	151.661	ug/L		94
72) Chlorodibromomethane	8.954	129	701243	158.559	ug/L		98
73) 1,3-Dichloropropane	9.073	76	1001170	153.108	ug/L		100
74) 1,2-Dibromoethane	9.239	107	528283	153.030	ug/L		99
76) 2-Hexanone	9.517	43	210060	117.933	ug/L		97
77) Chlorobenzene	9.898	112	1963527	118.544	ug/L		90
78) Ethylbenzene	9.937	91	3670256	112.295	ug/L		96
79) 1,1,1,2-Tetrachloroethane	9.977	131	712238	152.415	ug/L		96
80) p/m Xylene	10.128	106	2650543	214.681	ug/L		89
81) o Xylene	10.643	106	2592790	224.047	ug/L		89

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N12.D
Acq On : 24 Jan 2023 09:45 pm
Operator : VOA122:MKS
Sample : I8260STD120PPB
Misc : WG1737034
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 25 08:27:47 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.706	104	4273929	224.801	ug/L	#	85
84) Bromoform	10.730	173	428881	158.479	ug/L		99
86) Isopropylbenzene	11.016	105	3664668	114.422	ug/L		95
88) Bromobenzene	11.436	156	792825	117.798	ug/L		99
89) n-Propylbenzene	11.484	91	4491046	114.301	ug/L		94
90) 1,4-Dichlorobutane	11.492	55	844552	132.699	ug/L		97
91) 1,1,2,2-Tetrachloroethane	11.555	83	487783	141.918	ug/L		98
92) 4-Ethyltoluene	11.603	105	3682542	114.438	ug/L		95
93) 2-Chlorotoluene	11.642	91	2647598M1	115.985	ug/L		
94) 1,3,5-Trimethylbenzene	11.698	105	3152276	124.498	ug/L		93
95) 1,2,3-Trichloropropane	11.698	75	454900	136.742	ug/L		94
96) trans-1,4-Dichloro-2-b...	11.745	53	170626	126.770	ug/L		93
97) 4-Chlorotoluene	11.825	91	2787099	114.497	ug/L		90
98) tert-Butylbenzene	12.035	119	3101116	112.786	ug/L	#	86
101) 1,2,4-Trimethylbenzene	12.104	105	3124946	128.746	ug/L		93
102) sec-Butylbenzene	12.216	105	3812370	113.647	ug/L		94
103) p-Isopropyltoluene	12.369	119	3227766	116.411	ug/L		92
104) 1,3-Dichlorobenzene	12.439	146	1551101	114.566	ug/L		95
105) 1,4-Dichlorobenzene	12.529	146	1543500	119.198	ug/L		96
106) p-Diethylbenzene	12.738	119	1933088	125.693	ug/L		93
107) n-Butylbenzene	12.794	91	2919204	120.007	ug/L		97
108) 1,2-Dichlorobenzene	12.947	146	1382073	118.469	ug/L		95
109) 1,2,4,5-Tetramethylben...	13.518	119	2576901	130.785	ug/L		93
110) 1,2-Dibromo-3-chloropr...	13.712	155	90563	128.752	ug/L		99
111) 1,3,5-Trichlorobenzene	13.747	180	1100808	128.423	ug/L		96
112) Hexachlorobutadiene	14.311	225	489556	116.199	ug/L		98
113) 1,2,4-Trichlorobenzene	14.339	180	930286	122.919	ug/L		99
114) Naphthalene	14.631	128	1687910	121.697	ug/L		100
115) 1,2,3-Trichlorobenzene	14.798	180	787280	119.042	ug/L		99

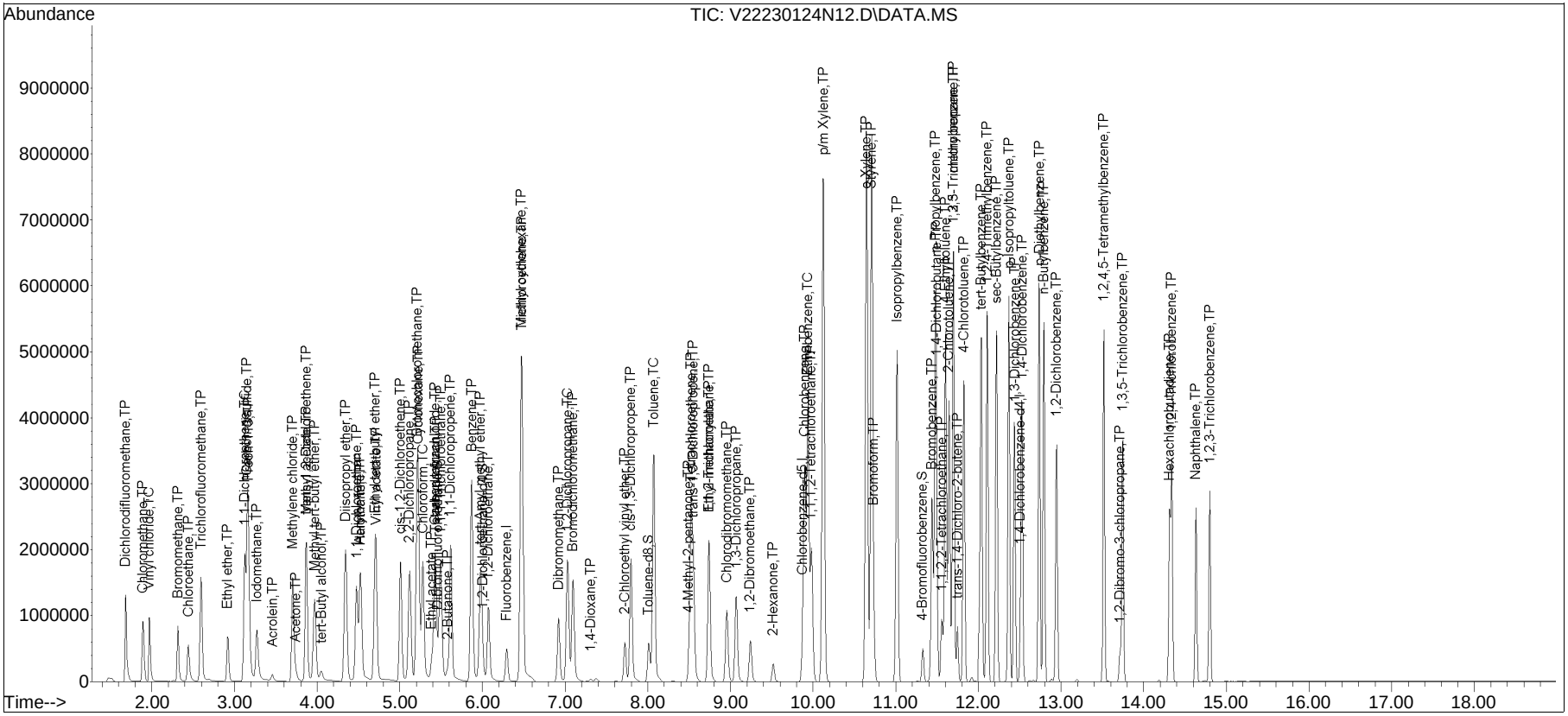
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N12.D
Acq On : 24 Jan 2023 09:45 pm
Operator : VOA122:MKS
Sample : I8260STD120PPB
Misc : WG1737034
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 25 08:27:47 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

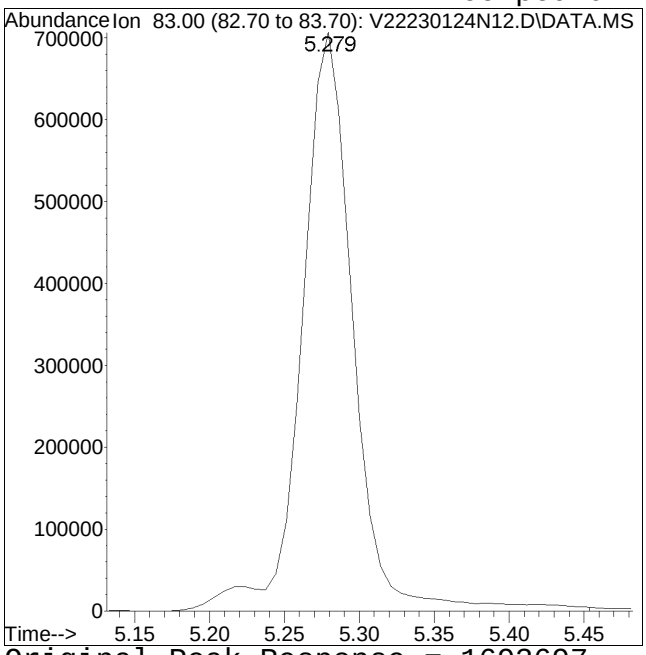
Sub List : 8260-Curve - Megamix plus Diox30124NICAL\V22230124N09.D•

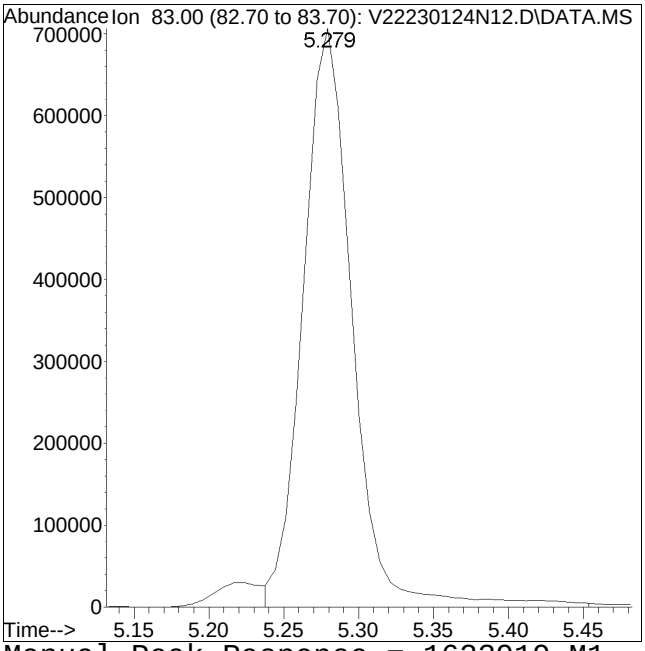


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230124N_8260.m
Data File : V22230124N12.D Operator : VOA122:MKS
Date Inj'd : 1/24/2023 9:45 pm Instrument : VOA122
Sample : I8260STD120PPB Quant Date : 1/25/2023 8:14 am

Compound #34: Chloroform



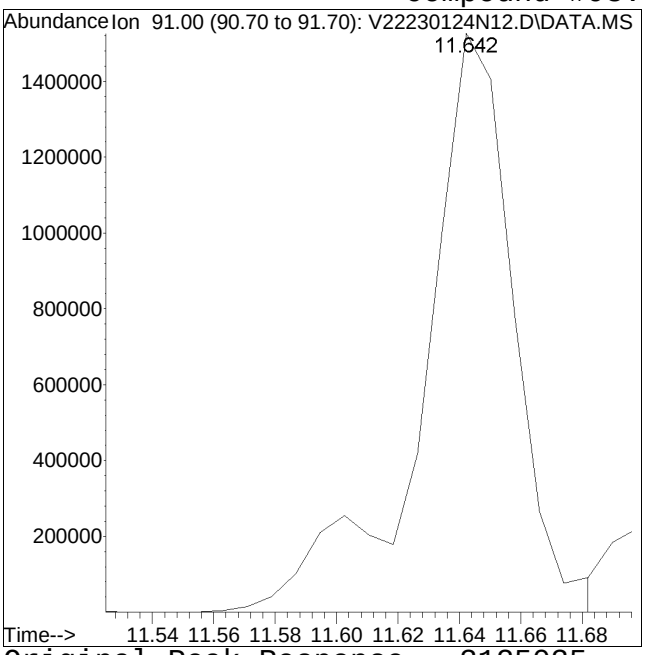


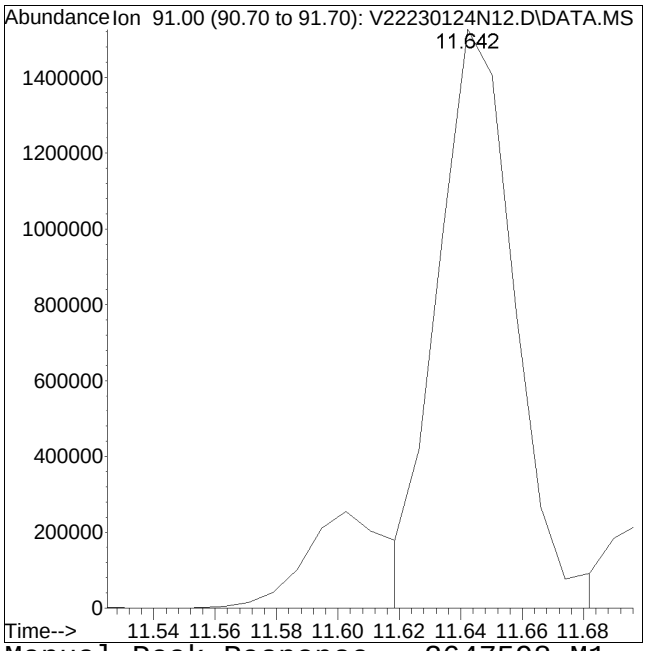
Original Peak Response = 1693697 Manual Peak Response = 1623919 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230124N_8260.m
Data File : V22230124N12.D Operator : VOA122:MKS
Date Inj'd : 1/24/2023 9:45 pm Instrument : VOA122
Sample : I8260STD120PPB Quant Date : 1/25/2023 8:14 am

Compound #93: 2-Chlorotoluene





Original Peak Response = 3125035 Manual Peak Response = 2647598 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N13.D
Acq On : 24 Jan 2023 10:09 pm
Operator : VOA122:MKS
Sample : I8260STD200PPB
Misc : WG1737034
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 25 08:29:26 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.292	96	563916	10.000	ug/L	0.00
Standard Area 1 = 347608			Recovery = 162.23%			
62) Chlorobenzene-d5	9.874	117	385548	10.000	ug/L	0.00
Standard Area 1 = 276768			Recovery = 139.30%			
83) 1,4-Dichlorobenzene-d4	12.515	152	198480	10.000	ug/L	0.00
Standard Area 1 = 153195			Recovery = 129.56%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.461	113	151038	8.107	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 81.07%			
46) 1,2-Dichloroethane-d4	6.004	65	177020	8.283	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 82.83%			
63) Toluene-d8	8.016	98	505269	10.023	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.23%			
87) 4-Bromofluorobenzene	11.325	95	192234	9.845	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.45%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.682	85	1841467	134.265	ug/L	99
3) Chloromethane	1.891	50	1645489	135.950	ug/L	98
4) Vinyl chloride	1.968	62	1570406	176.024	ug/L	99
5) Bromomethane	2.317	94	854972	230.291	ug/L	100
6) Chloroethane	2.435	64	959043	150.913	ug/L	99
7) Trichlorofluoromethane	2.596	101	2531772	143.043	ug/L	100
8) Ethyl ether	2.916	74	509580	177.315	ug/L #	1
10) 1,1-Dichloroethene	3.125	96	1289097	153.133	ug/L #	75
11) Carbon disulfide	3.153	76	4192485	147.699	ug/L	99
12) Freon-113	3.167	101	1462540	159.544	ug/L	91
13) Iodomethane	3.272	142	1674311	225.074	ug/L	90
14) Acrolein	3.453	56	151958	161.416	ug/L	98
15) Methylene chloride	3.704	84	1450795	149.585	ug/L	87
17) Acetone	3.746	43	197556	139.861	ug/L	90
18) trans-1,2-Dichloroethene	3.864	96	1454997	162.615	ug/L	84
19) Methyl acetate	3.871	43	460963	166.488	ug/L	95
21) Methyl tert-butyl ether	3.969	73	2786710	218.084	ug/L	99
22) tert-Butyl alcohol	4.052	59	364132	955.220	ug/L	95
24) Diisopropyl ether	4.345	45	3736051	217.022	ug/L	96
25) 1,1-Dichloroethane	4.478	63	2899356	150.368	ug/L	98
26) Halothane	4.526	117	1076672	184.263	ug/L	99

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N13.D
Acq On : 24 Jan 2023 10:09 pm
Operator : VOA122:MKS
Sample : I8260STD200PPB
Misc : WG1737034
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 25 08:29:26 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.519	53	284578	154.391	ug/L		95
28) Ethyl tert-butyl ether	4.701	59	3904804	239.657	ug/L		86
29) Vinyl acetate	4.715	43	1627767	232.858	ug/L		95
30) cis-1,2-Dichloroethene	5.007	96	1570049	162.520	ug/L	#	84
31) 2,2-Dichloropropane	5.119	77	2534397	157.127	ug/L		96
32) Bromochloromethane	5.210	128	619434	154.375	ug/L	#	80
33) Cyclohexane	5.217	56	3018430	176.233	ug/L		85
34) Chloroform	5.279	83	2894834M1	156.507	ug/L		
35) Ethyl acetate	5.391	43	677028	248.279	ug/L		99
36) Carbon tetrachloride	5.426	117	2452023	163.531	ug/L		99
37) Tetrahydrofuran	5.440	42	177828	151.467	ug/L	#	80
39) 1,1,1-Trichloroethane	5.495	97	2678482	162.925	ug/L		98
41) 2-Butanone	5.579	43	286785	192.026	ug/L	#	56
42) 1,1-Dichloropropene	5.614	75	2374365	217.310	ug/L		94
44) Benzene	5.871	78	5737568	195.824	ug/L		96
45) tert-Amyl methyl ether	5.974	73	3086199	240.614	ug/L		97
47) 1,2-Dichloroethane	6.070	62	1949131	168.208	ug/L		98
50) Methyl cyclohexane	6.477	83	2725289	193.977	ug/L		83
51) Trichloroethene	6.477	95	1735550	195.598	ug/L		87
53) Dibromomethane	6.919	93	787892	172.640	ug/L	#	83
54) 1,2-Dichloropropane	7.029	63	1545054	203.822	ug/L		97
56) 2-Chloroethyl vinyl ether	7.722	63	583519	231.611	ug/L		95
57) Bromodichloromethane	7.095	83	2206824	188.751	ug/L		99
60) 1,4-Dioxane	7.309	88	80295	1636.424	ug/L	#	72
61) cis-1,3-Dichloropropene	7.795	75	2464485	223.392	ug/L		99
64) Toluene	8.075	92	3396659	193.095	ug/L		94
65) 4-Methyl-2-pentanone	8.495	58	164314	223.567	ug/L		93
66) Tetrachloroethene	8.526	166	1359495	212.462	ug/L		91
68) trans-1,3-Dichloropropene	8.550	75	2196361	241.995	ug/L		95
70) Ethyl methacrylate	8.740	69	942079	185.755	ug/L		89
71) 1,1,2-Trichloroethane	8.740	83	814036	249.109	ug/L		95
72) Chlorodibromomethane	8.954	129	1279691	259.795	ug/L		98
73) 1,3-Dichloropropane	9.073	76	1815886	249.334	ug/L		99
74) 1,2-Dibromoethane	9.239	107	960184	249.728	ug/L		100
76) 2-Hexanone	9.517	43	377682	190.381	ug/L		97
77) Chlorobenzene	9.898	112	3593456	194.787	ug/L		90
78) Ethylbenzene	9.937	91	6565523	180.358	ug/L		97
79) 1,1,1,2-Tetrachloroethane	9.985	131	1322098	254.022	ug/L		97
80) p/m Xylene	10.128	106	4797116	348.854	ug/L		93
81) o Xylene	10.651	106	4621267	358.540	ug/L		92

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N13.D
Acq On : 24 Jan 2023 10:09 pm
Operator : VOA122:MKS
Sample : I8260STD200PPB
Misc : WG1737034
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 25 08:29:26 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.714	104	7574811	357.723	ug/L	#	85
84) Bromoform	10.738	173	791079	273.953	ug/L		100
86) Isopropylbenzene	11.016	105	6564232	192.080	ug/L		96
88) Bromobenzene	11.444	156	1429971	199.118	ug/L		100
89) n-Propylbenzene	11.484	91	7734657	184.487	ug/L		96
90) 1,4-Dichlorobutane	11.492	55	1487478	219.036	ug/L		98
91) 1,1,2,2-Tetrachloroethane	11.555	83	913324	249.034	ug/L		99
92) 4-Ethyltoluene	11.603	105	6393338	186.197	ug/L		97
93) 2-Chlorotoluene	11.642	91	4648922M1	190.864	ug/L		
94) 1,3,5-Trimethylbenzene	11.698	105	5483688	202.970	ug/L		94
95) 1,2,3-Trichloropropane	11.698	75	827976	233.253	ug/L		94
96) trans-1,4-Dichloro-2-b...	11.745	53	304237	211.838	ug/L		95
97) 4-Chlorotoluene	11.825	91	4861597	187.173	ug/L		91
98) tert-Butylbenzene	12.035	119	5441925	185.486	ug/L	#	87
101) 1,2,4-Trimethylbenzene	12.105	105	5418969	209.233	ug/L		93
102) sec-Butylbenzene	12.223	105	6600764	184.408	ug/L		96
103) p-Isopropyltoluene	12.369	119	5603179	189.387	ug/L		92
104) 1,3-Dichlorobenzene	12.439	146	2740907	189.728	ug/L		95
105) 1,4-Dichlorobenzene	12.529	146	2740832	198.365	ug/L		95
106) p-Diethylbenzene	12.738	119	3389290	206.533	ug/L		93
107) n-Butylbenzene	12.794	91	5016379	193.266	ug/L		96
108) 1,2-Dichlorobenzene	12.947	146	2431269	195.312	ug/L		95
109) 1,2,4,5-Tetramethylben...	13.518	119	4668007	222.031	ug/L		94
110) 1,2-Dibromo-3-chloropr...	13.712	155	162732	216.819	ug/L		99
111) 1,3,5-Trichlorobenzene	13.747	180	1948245	213.009	ug/L		97
112) Hexachlorobutadiene	14.311	225	868301	193.150	ug/L		99
113) 1,2,4-Trichlorobenzene	14.339	180	1645202	203.724	ug/L		99
114) Naphthalene	14.631	128	2975944	201.083	ug/L		100
115) 1,2,3-Trichlorobenzene	14.798	180	1374816	194.822	ug/L		99

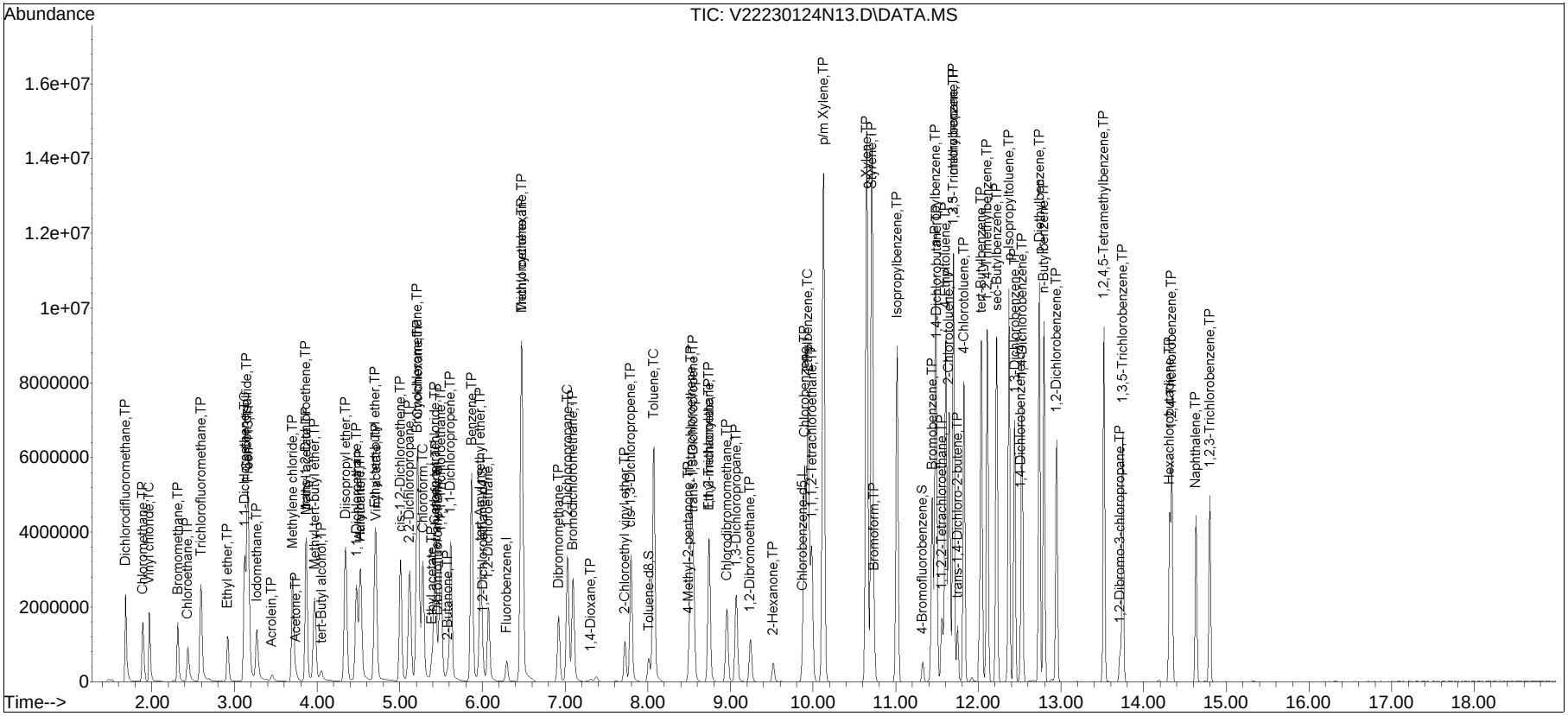
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N13.D
Acq On : 24 Jan 2023 10:09 pm
Operator : VOA122:MKS
Sample : I8260STD200PPB
Misc : WG1737034
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 25 08:29:26 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:13:04 2023
Response via : Initial Calibration

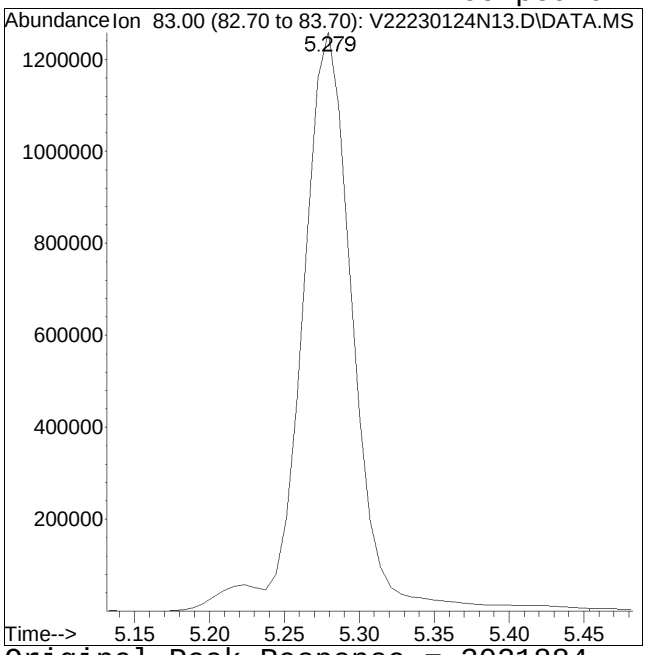
Sub List : 8260-Curve - Megamix plus Diox30124NICAL\V22230124N09.D•

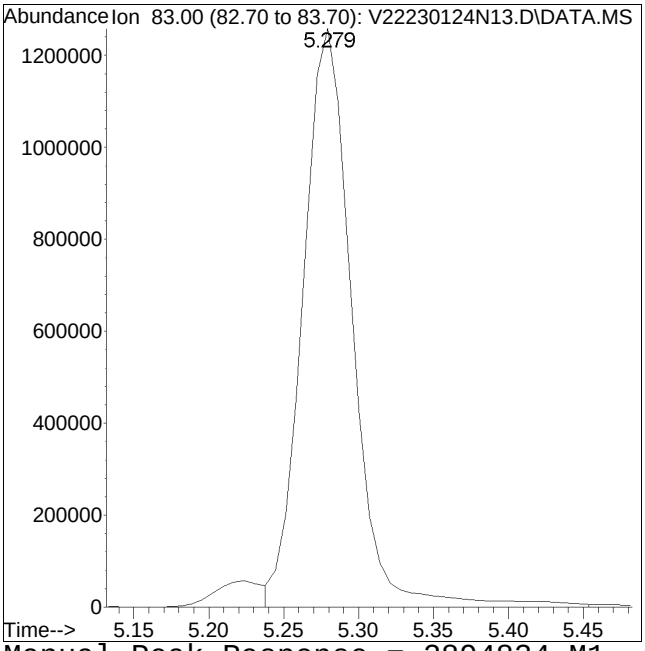


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230124N_8260.m
Data File : V22230124N13.D Operator : VOA122:MKS
Date Inj'd : 1/24/2023 10:09 pm Instrument : VOA122
Sample : I8260STD200PPB Quant Date : 1/25/2023 8:15 am

Compound #34: Chloroform





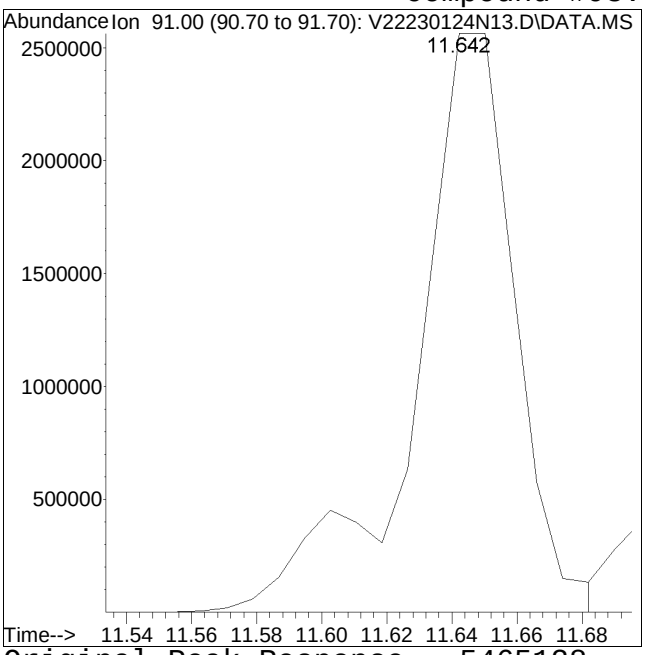
Original Peak Response = 3021884 Manual Peak Response = 2894834 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

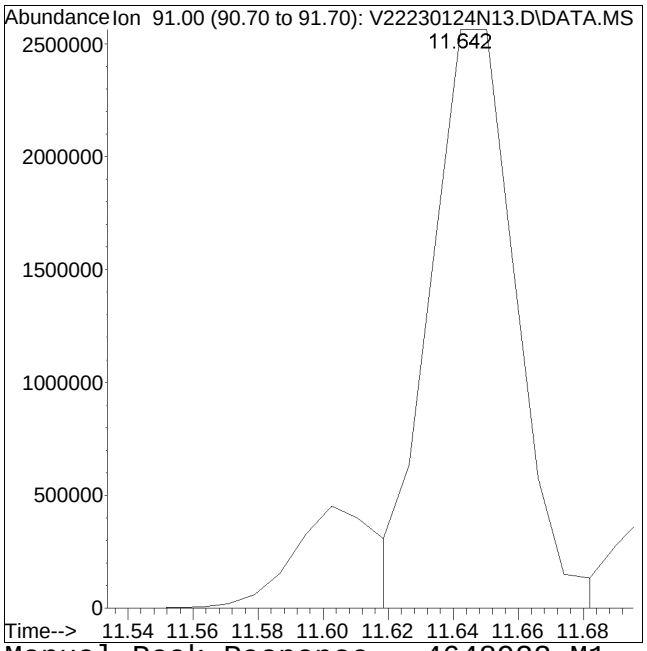
Data Path : I:\VOLATILES\VOA122\2023\2Q
Data File : V22230124N13.D
Date Inj'd : 1/24/2023 10:09 pm
Sample : I8260STD200PPB

Method : V122_230124N_8260.m
Operator : VOA122:MKS
Instrument : VOA122
Quant Date : 1/25/2023 8:15 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 5465128



Manual Peak Response = 4648922 M1

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N19.D
Acq On : 25 Jan 2023 12:36 am
Operator : VOA122:MKS
Sample : C8260STD10PPB
Misc : WG1737034
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 25 08:46:41 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
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	120	0.00
2	TP	Dichlorodifluoromethane	* 10.000	10.288	-2.9	109	0.00
3	TP	Chloromethane	* 10.000	10.677	-6.8	115	0.00
4	TC	Vinyl chloride	0.146	0.170	-16.4	129	0.00
5	TP	Bromomethane	0.069	0.082	-18.8	150	0.00
6	TP	Chloroethane	0.104	0.113	-8.7	120	0.00
7	TP	Trichlorofluoromethane	0.277	0.301	-8.7	115	0.00
8	TP	Ethyl ether	0.048	0.063	-31.3#	148	0.00
10	TC	1,1-Dichloroethene	0.135	0.146	-8.1	117	0.00
11	TP	Carbon disulfide	0.459	0.433	5.7	103	0.00
12	TP	Freon-113	0.145	0.156	-7.6	115	0.00
13	TP	Iodomethane	0.136	0.086	36.8#	79	0.00
14	TP	Acrolein	0.015	0.014	6.7	101	0.00
15	TP	Methylene chloride	* 10.000	11.391	-13.9	118	0.00
17	TP	Acetone	* 10.000	11.297	-13.0	117	0.00
18	TP	trans-1,2-Dichloroethene	0.147	0.155	-5.4	117	0.00
19	TP	Methyl acetate	0.047	0.052	-10.6	126	0.00
21	TP	Methyl tert-butyl ether	0.225	0.250	-11.1	132	0.00
22	TP	tert-Butyl alcohol	0.00634	0.00708#	-11.7	126	0.00
24	TP	Diisopropyl ether	0.315	0.293	7.0	115	0.00
25	TP	1,1-Dichloroethane	0.311	0.332	-6.8	117	0.00
26	TP	Halothane	0.097	0.110	-13.4	127	0.00
27	TP	Acrylonitrile	0.029	0.036	-24.1#	131	0.00
28	TP	Ethyl tert-butyl ether	0.310	0.286	7.7	119	0.00
29	TP	Vinyl acetate	0.138	0.111	19.6	107	0.00
30	TP	cis-1,2-Dichloroethene	0.160	0.169#	-5.6	118	0.00
31	TP	2,2-Dichloropropane	0.262	0.248	5.3	104	0.00
32	TP	Bromochloromethane	0.066	0.071#	-7.6	119	0.00
33	TP	Cyclohexane	0.284	0.287	-1.1	113	0.00
34	TC	Chloroform	0.301	0.317	-5.3	116	0.00
35	TP	Ethyl acetate	0.055	0.059	-7.3	145	0.00
36	TP	Carbon tetrachloride	0.233	0.246	-5.6	111	0.00
37	TP	Tetrahydrofuran	0.018	0.021	-16.7	119	0.00
38	S	Dibromofluoromethane	0.318	0.330	-3.8	120	0.00
39	TP	1,1,1-Trichloroethane	0.262	0.289	-10.3	119	0.00
41	TP	2-Butanone	0.026	0.026	0.0	119	0.00
42	TP	1,1-Dichloropropene	0.196	0.196	0.0	121	0.00
44	TP	Benzene	0.506	0.529	-4.5	122	0.00
45	TP	tert-Amyl methyl ether	0.252	0.236	6.3	124	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N19.D
Acq On : 25 Jan 2023 12:36 am
Operator : VOA122:MKS
Sample : C8260STD10PPB
Misc : WG1737034
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 25 08:46:41 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
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)
46	S	1,2-Dichloroethane-d4	0.362	0.363	-0.3	115	0.00
47	T	1,2-Dichloroethane	0.203	0.198	2.5	116	0.00
50	TP	Methyl cyclohexane	0.234	0.238	-1.7	115	0.00
51	TP	Trichloroethene	0.157	0.158#	-0.6	120	0.00
53	TP	Dibromomethane	0.076	0.080	-5.3	119	0.00
54	TC	1,2-Dichloropropane	0.133	0.134	-0.8	120	0.00
56	TP	2-Chloroethyl vinyl ether	0.048	0.048	0.0	128	0.00
57	TP	Bromodichloromethane	0.205	0.206#	-0.5	119	0.00
60	TP	1,4-Dioxane	0.00074	0.00094#	-27.0#	129	0.00
61	TP	cis-1,3-Dichloropropene	0.201	0.200#	0.5	123	0.00
62	I	Chlorobenzene-d5	1.000	1.000	0.0	120	0.00
63	S	Toluene-d8	1.310	1.313	-0.2	120	0.00
64	TC	Toluene	0.445	0.441	0.9	116	0.00
65	TP	4-Methyl-2-pentanone	0.020	0.020#	0.0	124	-0.01
66	TP	Tetrachloroethene	0.174	0.170	2.3	122	0.00
68	TP	trans-1,3-Dichloropropene	0.257	0.230#	10.5	117	0.00
70	TP	Ethyl methacrylate	0.128	0.136	-6.3	124	0.00
71	TP	1,1,2-Trichloroethane	0.092	0.087#	5.4	123	0.00
72	TP	Chlorodibromomethane	* 10.000	8.665	13.4	124	0.00
73	TP	1,3-Dichloropropane	0.206	0.201	2.4	127	0.00
74	TP	1,2-Dibromoethane	0.108	0.104#	3.7	125	0.00
76	TP	2-Hexanone	0.053	0.047	11.3	110	0.00
77	TP	Chlorobenzene	0.481	0.467	2.9	117	0.00
78	TC	Ethylbenzene	0.910	0.911	-0.1	116	0.00
79	TP	1,1,1,2-Tetrachloroethane	0.151	0.137	9.3	121	0.00
80	TP	p/m Xylene	0.337	0.343	-1.8	115	0.00
81	TP	o Xylene	0.326	0.331	-1.5	118	0.00
82	TP	Styrene	0.530	0.541	-2.1	118	0.00
83	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	121	0.00
84	TP	Bromoform	* 10.000	8.669	13.3	119	0.00
86	TP	Isopropylbenzene	1.646	1.677	-1.9	118	0.00
87	S	4-Bromofluorobenzene	0.970	0.979	-0.9	121	0.00
88	TP	Bromobenzene	0.364	0.353	3.0	118	0.00
89	TP	n-Propylbenzene	2.043	2.032	0.5	117	0.00
90	TP	1,4-Dichlorobutane	0.359	0.365	-1.7	129	0.00
91	TP	1,1,2,2-Tetrachloroethane	0.199	0.185#	7.0	121	0.00
92	TP	4-Ethyltoluene	1.657	1.658	-0.1	116	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N19.D
Acq On : 25 Jan 2023 12:36 am
Operator : VOA122:MKS
Sample : C8260STD10PPB
Misc : WG1737034
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 25 08:46:41 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
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)
93 TP	2-Chlorotoluene	1.186	1.145	3.5	113	0.00
94 TP	1,3,5-Trimethylbenzene	1.356	1.304	3.8	116	0.00
95 TP	1,2,3-Trichloropropane	0.192	0.176	8.3	120	0.00
96 TP	trans-1,4-Dichloro-2-butene	0.071	0.070	1.4	117	0.00
97 TP	4-Chlorotoluene	1.261	1.238	1.8	115	0.00
98 TP	tert-Butylbenzene	1.390	1.360	2.2	111	0.00
101 TP	1,2,4-Trimethylbenzene	1.313	1.284	2.2	119	0.00
102 TP	sec-Butylbenzene	1.707	1.711	-0.2	115	0.00
103 TP	p-Isopropyltoluene	1.414	1.416	-0.1	115	0.00
104 TP	1,3-Dichlorobenzene	0.701	0.691	1.4	115	0.00
105 TP	1,4-Dichlorobenzene	0.698	0.686	1.7	119	0.00
106 TP	p-Diethylbenzene	0.818	0.771	5.7	113	0.00
107 TP	n-Butylbenzene	1.257	1.291	-2.7	120	0.00
108 TP	1,2-Dichlorobenzene	0.616	0.609	1.1	118	0.00
109 TP	1,2,4,5-Tetramethylbenzene	1.083	0.978	9.7	112	0.00
110 TP	1,2-Dibromo-3-chloropropane	0.037	0.037	0.0	120	0.00
111 TP	1,3,5-Trichlorobenzene	0.467	0.442	5.4	116	0.00
112 TP	Hexachlorobutadiene	0.221	0.207	6.3	111	0.00
113 TP	1,2,4-Trichlorobenzene	0.408	0.398#	2.5	118	0.00
114 TP	Naphthalene	0.765	0.773	-1.0	126	0.00
115 TP	1,2,3-Trichlorobenzene	0.352	0.351#	0.3	120	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 14 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N19.D
Acq On : 25 Jan 2023 12:36 am
Operator : VOA122:MKS
Sample : C8260STD10PPB
Misc : WG1737034
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 25 08:46:41 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.292	96	416759	10.000	ug/L	0.00
Standard Area 1 = 347608			Recovery = 119.89%			
62) Chlorobenzene-d5	9.874	117	331435	10.000	ug/L	0.00
Standard Area 1 = 276768			Recovery = 119.75%			
83) 1,4-Dichlorobenzene-d4	12.508	152	185547	10.000	ug/L	0.00
Standard Area 1 = 153195			Recovery = 121.12%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.460	113	137731	10.397	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.97%			
46) 1,2-Dichloroethane-d4	6.004	65	151285	10.028	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.28%			
63) Toluene-d8	8.016	98	435261	10.025	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.25%			
87) 4-Bromofluorobenzene	11.325	95	181605	10.092	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.92%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.682	85	92012	10.288	ug/L	99
3) Chloromethane	1.891	50	85997	10.677	ug/L	98
4) Vinyl chloride	1.975	62	71032	11.673	ug/L	100
5) Bromomethane	2.317	94	34262	11.986	ug/L	98
6) Chloroethane	2.442	64	47157	10.877	ug/L	100
7) Trichlorofluoromethane	2.595	101	125491	10.852	ug/L	98
8) Ethyl ether	2.916	74	26198	13.022	ug/L #	1
10) 1,1-Dichloroethene	3.125	96	60877	10.801	ug/L #	80
11) Carbon disulfide	3.160	76	180303	9.427	ug/L	99
12) Freon-113	3.167	101	65063	10.771	ug/L	90
13) Iodomethane	3.272	142	36003	6.359	ug/L	90
14) Acrolein	3.453	56	5858	9.314	ug/L	94
15) Methylene chloride	3.704	84	70418	11.391	ug/L	87
17) Acetone	3.753	43	10184	11.297	ug/L	98
18) trans-1,2-Dichloroethene	3.871	96	64469	10.504	ug/L	83
19) Methyl acetate	3.871	43	21497	10.882	ug/L	94
21) Methyl tert-butyl ether	3.969	73	104214	11.096	ug/L	98
22) tert-Butyl alcohol	4.052	59	14750	55.843	ug/L	92
24) Diisopropyl ether	4.345	45	122124	9.302	ug/L	97
25) 1,1-Dichloroethane	4.478	63	138504	10.685	ug/L	97
26) Halothane	4.526	117	45912	11.412	ug/L	100

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N19.D
Acq On : 25 Jan 2023 12:36 am
Operator : VOA122:MKS
Sample : C8260STD10PPB
Misc : WG1737034
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 25 08:46:41 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.519	53	14860	12.333	ug/L		99
28) Ethyl tert-butyl ether	4.701	59	119289	9.232	ug/L	#	84
29) Vinyl acetate	4.715	43	46199	8.050	ug/L	#	91
30) cis-1,2-Dichloroethene	5.007	96	70438	10.579	ug/L	#	84
31) 2,2-Dichloropropane	5.119	77	103207	9.441	ug/L		96
32) Bromochloromethane	5.209	128	29467	10.648	ug/L	#	80
33) Cyclohexane	5.216	56	119704	10.111	ug/L		87
34) Chloroform	5.279	83	131975M1	10.521	ug/L		
35) Ethyl acetate	5.391	43	24419	10.580	ug/L		98
36) Carbon tetrachloride	5.426	117	102563	10.572	ug/L		98
37) Tetrahydrofuran	5.440	42	8645	11.637	ug/L		93
39) 1,1,1-Trichloroethane	5.495	97	120576	11.025	ug/L		98
41) 2-Butanone	5.579	43	10932	10.080	ug/L		98
42) 1,1-Dichloropropene	5.614	75	81649	10.021	ug/L		93
44) Benzene	5.864	78	220273	10.455	ug/L		95
45) tert-Amyl methyl ether	5.974	73	98242	9.358	ug/L		98
47) 1,2-Dichloroethane	6.070	62	82661	9.754	ug/L		98
50) Methyl cyclohexane	6.469	83	99377	10.207	ug/L	#	80
51) Trichloroethene	6.476	95	65761	10.057	ug/L		89
53) Dibromomethane	6.918	93	33454	10.527	ug/L	#	85
54) 1,2-Dichloropropane	7.029	63	55996	10.118	ug/L		97
56) 2-Chloroethyl vinyl ether	7.721	63	19867	10.035	ug/L		95
57) Bromodichloromethane	7.095	83	85882	10.072	ug/L		97
60) 1,4-Dioxane	7.309	88	19510	628.571	ug/L	#	80
61) cis-1,3-Dichloropropene	7.795	75	83442	9.975	ug/L		99
64) Toluene	8.068	92	146016	9.907	ug/L		95
65) 4-Methyl-2-pentanone	8.495	58	6536	9.630	ug/L		96
66) Tetrachloroethene	8.526	166	56240	9.766	ug/L		93
68) trans-1,3-Dichloropropene	8.549	75	76098	8.946	ug/L		96
70) Ethyl methacrylate	8.740	69	45000	10.626	ug/L		95
71) 1,1,2-Trichloroethane	8.740	83	28898	9.523	ug/L		96
72) Chlorodibromomethane	8.954	129	43864	8.665	ug/L		96
73) 1,3-Dichloropropane	9.065	76	66538	9.762	ug/L		99
74) 1,2-Dibromoethane	9.239	107	34555	9.652	ug/L		99
76) 2-Hexanone	9.517	43	15643	8.902	ug/L		98
77) Chlorobenzene	9.898	112	154704	9.702	ug/L	#	88
78) Ethylbenzene	9.937	91	301915	10.010	ug/L		95
79) 1,1,1,2-Tetrachloroethane	9.977	131	45354	9.075	ug/L		96
80) p/m Xylene	10.120	106	227589	20.366	ug/L		87
81) o Xylene	10.643	106	219215	20.258	ug/L		86

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N19.D
Acq On : 25 Jan 2023 12:36 am
Operator : VOA122:MKS
Sample : C8260STD10PPB
Misc : WG1737034
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 25 08:46:41 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230124NICAL\V22230124N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.706	104	358917	20.423	ug/L	#	87
84) Bromoform	10.730	173	26619	8.669	ug/L		100
86) Isopropylbenzene	11.016	105	311253	10.190	ug/L		95
88) Bromobenzene	11.436	156	65471	9.700	ug/L		100
89) n-Propylbenzene	11.476	91	377020	9.945	ug/L		93
90) 1,4-Dichlorobutane	11.491	55	67662	10.156	ug/L		99
91) 1,1,2,2-Tetrachloroethane	11.555	83	34386	9.302	ug/L		96
92) 4-Ethyltoluene	11.602	105	307644	10.007	ug/L		94
93) 2-Chlorotoluene	11.642	91	212454M1	9.651	ug/L		
94) 1,3,5-Trimethylbenzene	11.698	105	242007	9.621	ug/L		92
95) 1,2,3-Trichloropropane	11.698	75	32745	9.189	ug/L		94
96) trans-1,4-Dichloro-2-b...	11.745	53	13014	9.819	ug/L		90
97) 4-Chlorotoluene	11.825	91	229752	9.818	ug/L		89
98) tert-Butylbenzene	12.035	119	252284	9.782	ug/L	#	87
101) 1,2,4-Trimethylbenzene	12.104	105	238197	9.778	ug/L		92
102) sec-Butylbenzene	12.216	105	317448	10.025	ug/L		95
103) p-Isopropyltoluene	12.369	119	262692	10.012	ug/L		92
104) 1,3-Dichlorobenzene	12.432	146	128268	9.864	ug/L		94
105) 1,4-Dichlorobenzene	12.522	146	127247	9.821	ug/L	#	94
106) p-Diethylbenzene	12.731	119	143002	9.418	ug/L		94
107) n-Butylbenzene	12.787	91	239497	10.269	ug/L		97
108) 1,2-Dichlorobenzene	12.940	146	112988	9.884	ug/L		95
109) 1,2,4,5-Tetramethylben...	13.517	119	181496	9.028	ug/L		94
110) 1,2-Dibromo-3-chloropr...	13.712	155	6956	10.252	ug/L		95
111) 1,3,5-Trichlorobenzene	13.740	180	81974	9.469	ug/L		96
112) Hexachlorobutadiene	14.311	225	38453	9.374	ug/L		99
113) 1,2,4-Trichlorobenzene	14.339	180	73783	9.745	ug/L		99
114) Naphthalene	14.631	128	143363	10.102	ug/L		100
115) 1,2,3-Trichlorobenzene	14.798	180	65115	9.974	ug/L		98

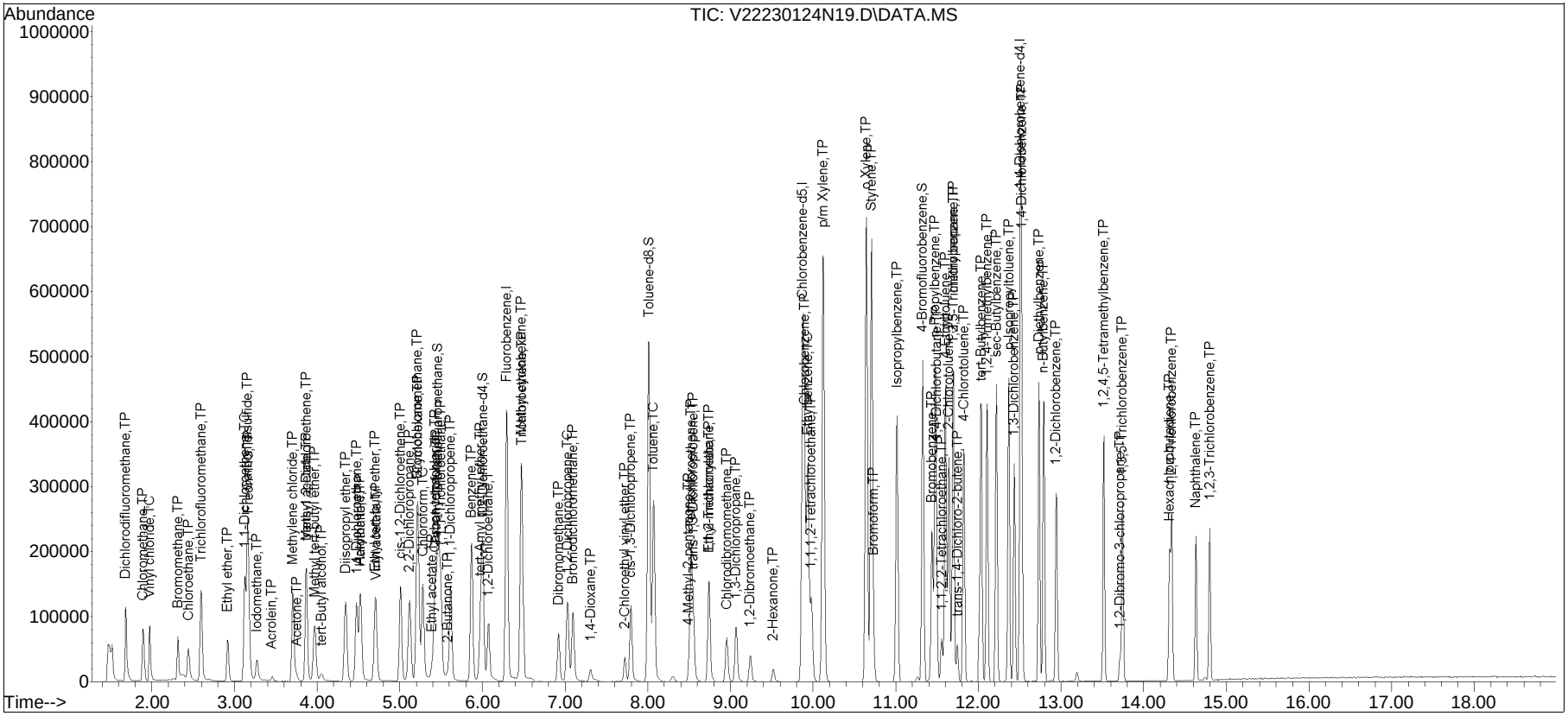
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Data File : V22230124N19.D
Acq On : 25 Jan 2023 12:36 am
Operator : VOA122:MKS
Sample : C8260STD10PPB
Misc : WG1737034
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 25 08:46:41 2023
Quant Method : I:\VOLATILES\VOA122\2023\230124NICAL\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

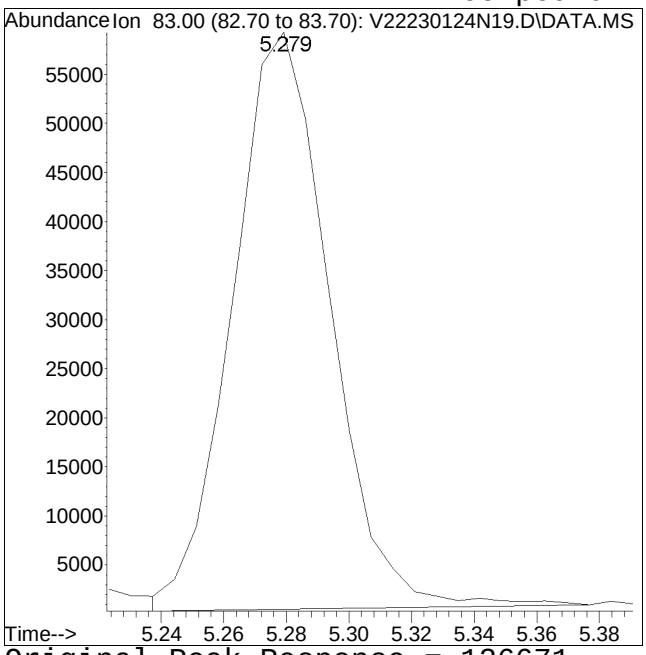
Sub List : 8260-Curve - Megamix plus Diox30124NICAL\V22230124N09.D•

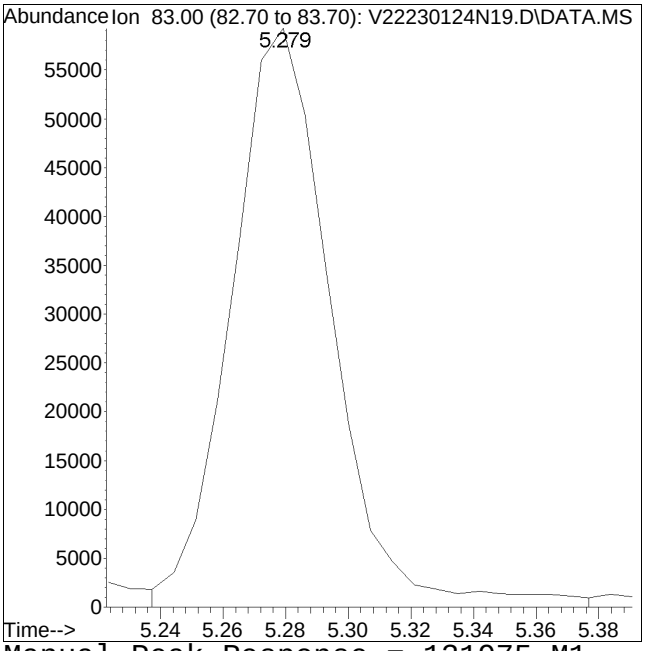


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230124N_8260.m
Data File : V22230124N19.D Operator : VOA122:MKS
Date Inj'd : 1/25/2023 12:36 am Instrument : VOA122
Sample : C8260STD10PPB Quant Date : 1/25/2023 8:45 am

Compound #34: Chloroform





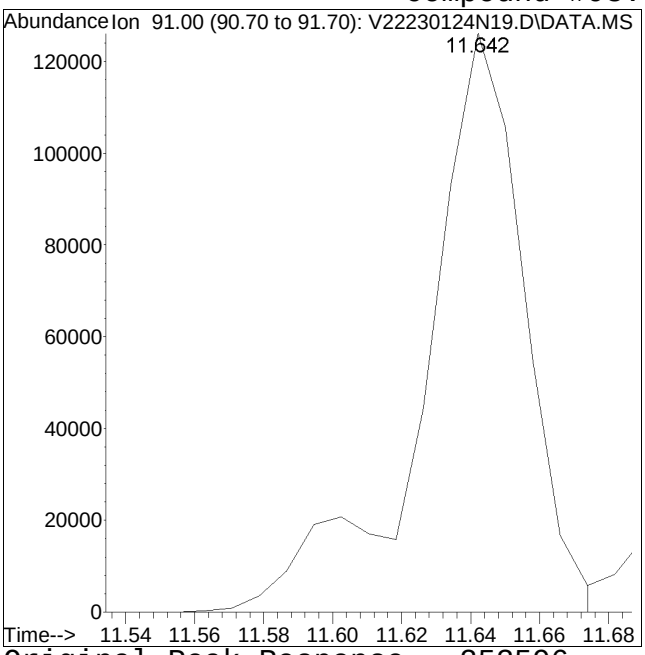
Original Peak Response = 126671 Manual Peak Response = 131975 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

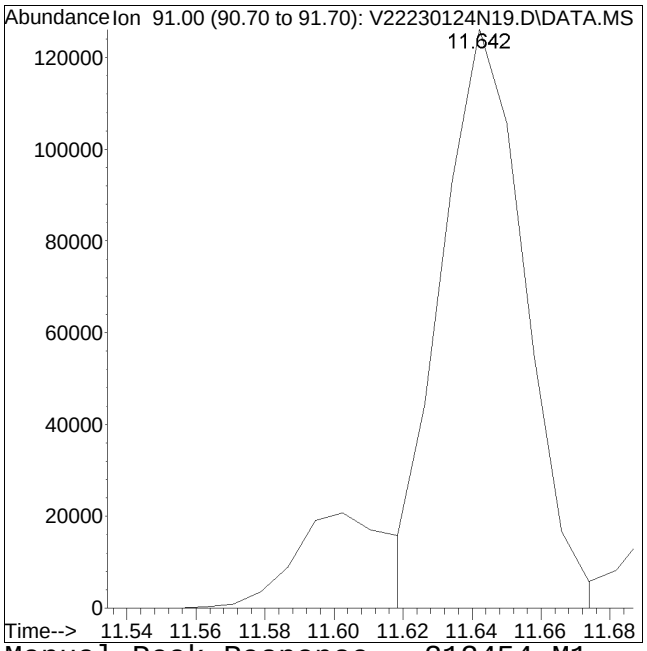
Data Path : I:\VOLATILES\VOA122\2023\2Q
Data File : V22230124N19.D
Date Inj'd : 1/25/2023 12:36 am
Sample : C8260STD10PPB

Method : V122_230124N_8260.m
Operator : VOA122:MKS
Instrument : VOA122
Quant Date : 1/25/2023 8:45 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 253596



Manual Peak Response = 212454 M1

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

Evaluate Relative Error Report VOA122

Method Path : I:\VOLATILES\VOA122\2023\230124NICAL\
Method File : V122_230124N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Jan 25 08:44:34 2023

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
2	TP Dichlorodifluoromethane	Q	ug/L	10.0	11.466	14.7	2.00	1.682	-15.9
3	TP Chloromethane	Q	ug/L	10.0	11.159	11.6	2.00	1.772	-11.4
15	TP Methylene chloride	L	ug/L	10.0	11.626	16.3	2.00	1.579	-21.1
17	TP Acetone	L	ug/L	10.0	11.639	16.4	2.00	1.496	-25.2
72	TP Chlorodibromomethane	Q	ug/L	10.0	8.378	-16.2	0.50	0.633	26.6
84	TP Bromoform	Q	ug/L	10.0	8.786	-12.1	0.50	0.642	28.4

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
2	TP Dichlorodifluoromethane	Quadratic	0.998260	-0.001718	0.194028	0.0229907
3	TP Chloromethane	Quadratic	0.999224	-0.001586	0.175457	0.0208159
15	TP Methylene chloride	Linear	0.998643	0.000000	0.128851	0.0221866
17	TP Acetone	Linear	0.997436	0.000000	0.0179426	0.00416568
72	TP Chlorodibromomethane	Quadratic	0.998904	0.000474	0.158746	-0.00556253
84	TP Bromoform	Quadratic	0.999303	0.001528	0.17071	-0.00567041

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912	
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS	
Instrument ID	: VOA111	**Calibration Date**	: 02/06/23 07:16	
Lab File ID	: V11230206A01	**Init. Calib. Date(s)**	: 01/18/23	01/18/23
Sample No	: WG1741518-2	**Init. Calib. Times**	: 11:38	16:33
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	80	0
Dichlorodifluoromethane	0.234	0.236	-	-0.9	20	100	0
Chloromethane	0.273	0.28	-	-2.6	20	91	0
Vinyl chloride	0.337	0.386	-	-14.5	20	105	0
Bromomethane	0.37	0.381	-	-3	20	97	0
Chloroethane	0.15	0.212	-	-41.3*	20	116	0
Trichlorofluoromethane	40	44.569	-	-11.4	20	104	0
Ethyl ether	0.1	0.108	-	-8	20	87	0
1,1-Dichloroethene	0.2	0.206	-	-3	20	97	0
Carbon disulfide	0.446	0.751	-	-68.4*	20	166	-.01
Freon-113	40	44.517	-	-11.3	20	109	0
Acrolein	0.027	0.032	-	-18.5	20	109	-.01
Methylene chloride	0.289	0.257	-	11.1	20	84	-.01
Acetone	0.068	0.074	-	-8.8	20	96	-.01
trans-1,2-Dichloroethene	0.238	0.246	-	-3.4	20	93	-.01
Methyl acetate	0.131	0.14	-	-6.9	20	92	0
Methyl tert-butyl ether	0.562	0.58	-	-3.2	20	87	-.01
tert-Butyl alcohol	0.022	0.023	-	-4.5	20	83	0
Diisopropyl ether	0.743	0.769	-	-3.5	20	86	-.01
1,1-Dichloroethane	0.431	0.443	-	-2.8	20	89	0
Halothane	0.18	0.187	-	-3.9	20	101	0
Acrylonitrile	0.057	0.064	-	-12.3	20	90	-.02
Ethyl tert-butyl ether	0.732	0.74	-	-1.1	20	84	-.01
Vinyl acetate	0.472	0.565	-	-19.7	20	100	0
cis-1,2-Dichloroethene	0.27	0.271	-	-0.4	20	86	-.01
2,2-Dichloropropane	0.353	0.379	-	-7.4	20	101	-.01
Bromochloromethane	0.125	0.122	-	2.4	20	81	0
Cyclohexane	40	43.908	-	-9.8	20	110	0
Chloroform	0.454	0.468	-	-3.1	20	90	-.01
Ethyl acetate	0.198	0.205	-	-3.5	20	87	0
Carbon tetrachloride	0.31	0.321	-	-3.5	20	100	-.01
Tetrahydrofuran	0.053	0.056	-	-5.7	20	88	-.02
Dibromofluoromethane	0.257	0.258	-	-0.4	20	81	-.01
1,1,1-Trichloroethane	0.338	0.36	-	-6.5	20	98	-.02
2-Butanone	0.088	0.101	-	-14.8	20	95	-.01
1,1-Dichloropropene	40	42.703	-	-6.8	20	100	-.01
Benzene	0.945	0.974	-	-3.1	20	89	0
tert-Amyl methyl ether	0.67	0.675	-	-0.7	20	83	-.01
1,2-Dichloroethane-d4	0.254	0.261	-	-2.8	20	83	-.01
1,2-Dichloroethane	0.32	0.312	-	2.5	20	82	-.01
Methyl cyclohexane	40	43.434	-	-8.6	20	109	0
Trichloroethene	0.242	0.258	-	-6.6	20	94	-.02
Dibromomethane	0.151	0.15	-	0.7	20	82	-.01

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912		
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS		
Instrument ID	: VOA111	**Calibration Date**	: 02/06/23 07:16		
Lab File ID	: V11230206A01	**Init. Calib. Date(s)**	: 01/18/23	01/18/23	
Sample No	: WG1741518-2	**Init. Calib. Times**	: 11:38	16:33	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.248	0.252	-	-1.6	20	84	0
2-Chloroethyl vinyl ether	0.097	0.093	-	4.1	20	82	-.02
Bromodichloromethane	0.347	0.349	-	-0.6	20	84	-.01
1,4-Dioxane	2000	1997.163	-	0.1	20	75	-.02
cis-1,3-Dichloropropene	0.394	0.409	-	-3.8	20	84	-.01
Chlorobenzene-d5	1	1	-	0	20	78	-.01
Toluene-d8	1.296	1.341	-	-3.5	20	80	-.01
Toluene	0.773	0.806	-	-4.3	20	90	-.01
4-Methyl-2-pentanone	40	38.692	-	3.3	20	83	-.01
Tetrachloroethene	40	43.301	-	-8.3	20	98	-.01
trans-1,3-Dichloropropene	0.481	0.504	-	-4.8	20	84	0
Ethyl methacrylate	0.343	0.365	-	-6.4	20	85	-.01
1,1,2-Trichloroethane	0.23	0.241	-	-4.8	20	84	-.01
Chlorodibromomethane	0.324	0.335	-	-3.4	20	83	0
1,3-Dichloropropane	0.464	0.481	-	-3.7	20	84	-.01
1,2-Dibromoethane	0.258	0.278	-	-7.8	20	83	0
2-Hexanone	0.167	0.185	-	-10.8	20	86	-.01
Chlorobenzene	0.903	0.925	-	-2.4	20	85	-.01
Ethylbenzene	1.456	1.556	-	-6.9	20	93	0
1,1,1,2-Tetrachloroethane	0.309	0.333	-	-7.8	20	84	0
p/m Xylene	0.555	0.609	-	-9.7	20	92	-.01
o Xylene	0.536	0.594	-	-10.8	20	92	-.01
Styrene	0.905	1.018	-	-12.5	20	90	-.01
1,4-Dichlorobenzene-d4	1	1	-	0	20	78	0
Bromoform	0.4	0.402	-	-0.5	20	82	0
Isopropylbenzene	2.709	2.853	-	-5.3	20	94	0
4-Bromofluorobenzene	0.843	0.801	-	5	20	75	0
Bromobenzene	0.721	0.709	-	1.7	20	82	0
n-Propylbenzene	3.386	3.593	-	-6.1	20	95	-.01
1,4-Dichlorobutane	0.823	0.843	-	-2.4	20	85	-.01
1,1,2,2-Tetrachloroethane	0.679	0.708	-	-4.3	20	86	-.01
4-Ethyltoluene	2.714	2.898	-	-6.8	20	92	0
2-Chlorotoluene	1.986	2.023	-	-1.9	20	88	0
1,3,5-Trimethylbenzene	2.31	2.437	-	-5.5	20	91	0
1,2,3-Trichloropropane	0.532	0.531	-	0.2	20	82	-.01
trans-1,4-Dichloro-2-buten	0.177	0.205	-	-15.8	20	87	0
4-Chlorotoluene	2.064	2.133	-	-3.3	20	85	0
tert-Butylbenzene	1.95	2.043	-	-4.8	20	93	0
1,2,4-Trimethylbenzene	2.3	2.442	-	-6.2	20	88	0
sec-Butylbenzene	2.953	3.244	-	-9.9	20	97	0
p-Isopropyltoluene	2.52	2.717	-	-7.8	20	94	0
1,3-Dichlorobenzene	1.397	1.444	-	-3.4	20	85	0
1,4-Dichlorobenzene	1.435	1.464	-	-2	20	85	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912	
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS	
Instrument ID	: VOA111	**Calibration Date**	: 02/06/23 07:16	
Lab File ID	: V11230206A01	**Init. Calib. Date(s)**	: 01/18/23	01/18/23
Sample No	: WG1741518-2	**Init. Calib. Times**	: 11:38	16:33
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.513	1.67	-	-10.4	20	95	0
n-Butylbenzene	2.324	2.637	-	-13.5	20	98	0
1,2-Dichlorobenzene	1.322	1.351	-	-2.2	20	83	0
1,2,4,5-Tetramethylbenzene	2.363	2.466	-	-4.4	20	85	0
1,2-Dibromo-3-chloropropan	0.1	0.1	-	0	20	79	0
1,3,5-Trichlorobenzene	0.965	1.016	-	-5.3	20	88	0
Hexachlorobutadiene	0.41	0.426	-	-3.9	20	94	0
1,2,4-Trichlorobenzene	0.834	0.873	-	-4.7	20	85	0
Naphthalene	1.792	1.782	-	0.6	20	80	0
1,2,3-Trichlorobenzene	0.696	0.733	-	-5.3	20	83	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912	
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS	
Instrument ID	: VOA122	**Calibration Date**	: 02/06/23 08:07	
Lab File ID	: V22230206A01	**Init. Calib. Date(s)**	: 01/24/23	01/24/23
Sample No	: WG1741609-2	**Init. Calib. Times**	: 18:05	22:09
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	89	0
Dichlorodifluoromethane	10	8.611	-	13.9	20	69	0
Chloromethane	10	9.452	-	5.5	20	77	0
Vinyl chloride	0.146	0.15	-	-2.7	20	84	0
Bromomethane	0.069	0.071	-	-2.9	20	95	0
Chloroethane	0.104	0.1	-	3.8	20	79	0
Trichlorofluoromethane	0.277	0.283	-	-2.2	20	80	0
Ethyl ether	0.048	0.045	-	6.3	20	78	0
1,1-Dichloroethene	0.135	0.136	-	-0.7	20	81	0
Carbon disulfide	0.459	0.439	-	4.4	20	77	0
Freon-113	0.145	0.147	-	-1.4	20	80	0
Acrolein	0.015	0.016	-	-6.7	20	84	0
Methylene chloride	10	10.334	-	-3.3	20	80	0
Acetone	10	11.376	-	-13.8	20	87	0
trans-1,2-Dichloroethene	0.147	0.143	-	2.7	20	80	0
Methyl acetate	0.047	0.047	-	0	20	84	0
Methyl tert-butyl ether	0.225	0.202	-	10.2	20	79	0
tert-Butyl alcohol	0.00634	0.00664*	-	-4.7	20	87	-.01
Diisopropyl ether	0.315	0.276	-	12.4	20	80	0
1,1-Dichloroethane	0.311	0.299*	-	3.9	20	78	0
Halothane	0.097	0.091	-	6.2	20	78	0
Acrylonitrile	0.029	0.029	-	0	20	78	0
Ethyl tert-butyl ether	0.31	0.27	-	12.9	20	83	0
Vinyl acetate	0.138	0.151	-	-9.4	20	108	0
cis-1,2-Dichloroethene	0.16	0.163*	-	-1.9	20	84	0
2,2-Dichloropropane	0.262	0.274	-	-4.6	20	85	0
Bromochloromethane	0.066	0.066*	-	0	20	82	0
Cyclohexane	0.284	0.257	-	9.5	20	75	0
Chloroform	0.301	0.314	-	-4.3	20	85	0
Ethyl acetate	0.055	0.049	-	10.9	20	91	0
Carbon tetrachloride	0.233	0.234	-	-0.4	20	78	0
Tetrahydrofuran	0.018	0.018	-	0	20	78	0
Dibromofluoromethane	0.318	0.357	-	-12.3	20	96	0
1,1,1-Trichloroethane	0.262	0.262	-	0	20	80	0
2-Butanone	0.026	0.024	-	7.7	20	82	0
1,1-Dichloropropene	0.196	0.173	-	11.7	20	79	0
Benzene	0.506	0.463	-	8.5	20	79	0
tert-Amyl methyl ether	0.252	0.217	-	13.9	20	84	0
1,2-Dichloroethane-d4	0.362	0.4	-	-10.5	20	94	0
1,2-Dichloroethane	0.203	0.193	-	4.9	20	83	0
Methyl cyclohexane	0.234	0.217	-	7.3	20	77	0
Trichloroethene	0.157	0.142*	-	9.6	20	80	0
Dibromomethane	0.076	0.074	-	2.6	20	81	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912	
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS	
Instrument ID	: VOA122	**Calibration Date**	: 02/06/23 08:07	
Lab File ID	: V22230206A01	**Init. Calib. Date(s)**	: 01/24/23	01/24/23
Sample No	: WG1741609-2	**Init. Calib. Times**	: 18:05	22:09
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.133	0.117	-	12	20	77	0
Bromodichloromethane	0.205	0.192*	-	6.3	20	82	0
1,4-Dioxane	0.00074	0.00089*	-	-20.3*	20	91	0
cis-1,3-Dichloropropene	0.201	0.187*	-	7	20	85	0
Chlorobenzene-d5	1	1	-	0	20	89	0
Toluene-d8	1.31	1.347	-	-2.8	20	92	0
Toluene	0.445	0.403	-	9.4	20	79	0
4-Methyl-2-pentanone	0.02	0.017*	-	15	20	78	-.01
Tetrachloroethene	0.174	0.158	-	9.2	20	85	0
trans-1,3-Dichloropropene	0.257	0.228*	-	11.3	20	87	0
Ethyl methacrylate	0.128	0.113	-	11.7	20	77	0
1,1,2-Trichloroethane	0.092	0.075*	-	18.5	20	80	0
Chlorodibromomethane	10	7.805	-	22*	20	83	0
1,3-Dichloropropane	0.206	0.177	-	14.1	20	84	0
1,2-Dibromoethane	0.108	0.1*	-	7.4	20	89	0
2-Hexanone	0.053	0.042	-	20.8*	20	73	0
Chlorobenzene	0.481	0.436	-	9.4	20	82	0
Ethylbenzene	0.91	0.832	-	8.6	20	79	0
1,1,1,2-Tetrachloroethane	0.151	0.127	-	15.9	20	84	0
p/m Xylene	0.337	0.321	-	4.7	20	81	0
o Xylene	0.326	0.308	-	5.5	20	82	0
Styrene	0.53	0.504	-	4.9	20	82	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	93	0
Bromoform	10	8.025	-	19.7	20	85	0
Isopropylbenzene	1.646	1.489	-	9.5	20	81	0
4-Bromofluorobenzene	0.97	0.963	-	0.7	20	91	0
Bromobenzene	0.364	0.322	-	11.5	20	83	0
n-Propylbenzene	2.043	1.852	-	9.3	20	82	0
1,4-Dichlorobutane	0.359	0.302	-	15.9	20	82	0
1,1,2,2-Tetrachloroethane	0.199	0.173*	-	13.1	20	88	0
4-Ethyltoluene	1.657	1.515	-	8.6	20	82	0
2-Chlorotoluene	1.186	1.059	-	10.7	20	81	0
1,3,5-Trimethylbenzene	1.356	1.135	-	16.3	20	78	0
1,2,3-Trichloropropane	0.192	0.16	-	16.7	20	83	0
trans-1,4-Dichloro-2-buten	0.071	0.061	-	14.1	20	79	0
4-Chlorotoluene	1.261	1.153	-	8.6	20	82	0
tert-Butylbenzene	1.39	1.262	-	9.2	20	80	0
1,2,4-Trimethylbenzene	1.313	1.104	-	15.9	20	79	0
sec-Butylbenzene	1.707	1.567	-	8.2	20	81	0
p-Isopropyltoluene	1.414	1.283	-	9.3	20	80	0
1,3-Dichlorobenzene	0.701	0.64	-	8.7	20	82	0
1,4-Dichlorobenzene	0.698	0.622	-	10.9	20	83	0
p-Diethylbenzene	0.818	0.7	-	14.4	20	79	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912	
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS	
Instrument ID	: VOA122	**Calibration Date**	: 02/06/23 08:07	
Lab File ID	: V22230206A01	**Init. Calib. Date(s)**	: 01/24/23	01/24/23
Sample No	: WG1741609-2	**Init. Calib. Times**	: 18:05	22:09
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.257	1.107	-	11.9	20	79	0
1,2-Dichlorobenzene	0.616	0.548*	-	11	20	82	0
1,2,4,5-Tetramethylbenzene	1.083	0.935	-	13.7	20	83	0
1,2-Dibromo-3-chloropropan	0.037	0.033	-	10.8	20	82	0
1,3,5-Trichlorobenzene	0.467	0.405	-	13.3	20	82	0
Hexachlorobutadiene	0.221	0.207	-	6.3	20	86	0
1,2,4-Trichlorobenzene	0.408	0.361*	-	11.5	20	83	0
Naphthalene	0.765	0.646	-	15.6	20	81	0
1,2,3-Trichlorobenzene	0.352	0.314*	-	10.8	20	83	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206A01.D
Acq On : 06 Feb 2023 07:16 am
Operator : VOA111:NLK
Sample : WG1741518-2
Misc : WG1741518,ICAL19665
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 08:11:27 2023
Quant Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
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	80	0.00
2	TP	Dichlorodifluoromethane		0.234	0.236	-0.9	100	0.00
3	TP	Chloromethane		0.273	0.280	-2.6	91	0.00
4	TC	Vinyl chloride		0.337	0.386	-14.5	105	0.00
5	TP	Bromomethane		0.370	0.381	-3.0	97	0.00
6	TP	Chloroethane		0.150	0.212	-41.3#	116	0.00
7	TP	Trichlorofluoromethane	*	40.000	44.569	-11.4	104	0.00
8	TP	Ethyl ether		0.100	0.108	-8.0	87	0.00
10	TP	1,1-Dichloroethene		0.200	0.206	-3.0	97	0.00
11	TP	Carbon disulfide		0.446	0.751	-68.4#	166	-0.01
12	TP	Freon-113	*	40.000	44.517	-11.3	109	0.00
14	TP	Acrolein		0.027	0.032	-18.5	109	-0.01
15	TP	Methylene chloride		0.289	0.257	11.1	84	-0.01
17	TP	Acetone		0.068	0.074	-8.8	96	-0.01
18	TP	trans-1,2-Dichloroethene		0.238	0.246	-3.4	93	-0.01
19	TP	Methyl acetate		0.131	0.140	-6.9	92	0.00
20	TP	Methyl tert-butyl ether		0.562	0.580	-3.2	87	-0.01
21	TP	tert-Butyl alcohol		0.022	0.023	-4.5	83	0.00
22	TP	Diisopropyl ether		0.743	0.769	-3.5	86	-0.01
23	TC	1,1-Dichloroethane		0.431	0.443	-2.8	89	0.00
24	TP	Halothane		0.180	0.187	-3.9	101	0.00
25	TP	Acrylonitrile		0.057	0.064	-12.3	90	-0.02
26	TP	Ethyl tert-butyl ether		0.732	0.740	-1.1	84	-0.01
27	TP	Vinyl acetate		0.472	0.565	-19.7	100	0.00
28	TP	cis-1,2-Dichloroethene		0.270	0.271	-0.4	86	-0.01
29	TP	2,2-Dichloropropane		0.353	0.379	-7.4	101	-0.01
30	TP	Bromochloromethane		0.125	0.122	2.4	81	0.00
31	TP	Cyclohexane	*	40.000	43.908	-9.8	110	0.00
32	TC	Chloroform		0.454	0.468	-3.1	90	-0.01
33	TP	Ethyl acetate		0.198	0.205	-3.5	87	0.00
34	TP	Carbon tetrachloride		0.310	0.321	-3.5	100	-0.01
35	TP	Tetrahydrofuran		0.053	0.056	-5.7	88	-0.02
36	S	Dibromofluoromethane		0.257	0.258	-0.4	81	-0.01
37	TP	1,1,1-Trichloroethane		0.338	0.360	-6.5	98	-0.02
39	TP	2-Butanone		0.088	0.101	-14.8	95	-0.01
40	TP	1,1-Dichloropropene	*	40.000	42.703	-6.8	100	-0.01
41	TP	Benzene		0.945	0.974	-3.1	89	0.00
42	TP	tert-Amyl methyl ether		0.670	0.675	-0.7	83	-0.01
43	S	1,2-Dichloroethane-d4		0.254	0.261	-2.8	83	-0.01

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206A01.D
Acq On : 06 Feb 2023 07:16 am
Operator : VOA111:NLK
Sample : WG1741518-2
Misc : WG1741518,ICAL19665
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 08:11:27 2023
Quant Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
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)
44	TP	1,2-Dichloroethane	0.320	0.312	2.5	82	-0.01
47	TP	Methyl cyclohexane	* 40.000	43.434	-8.6	109	0.00
48	TP	Trichloroethene	0.242	0.258	-6.6	94	-0.02
50	TP	Dibromomethane	0.151	0.150	0.7	82	-0.01
51	TC	1,2-Dichloropropane	0.248	0.252	-1.6	84	0.00
53	TP	2-Chloroethyl vinyl ether	0.097	0.093	4.1	82	-0.02
54	TP	Bromodichloromethane	0.347	0.349	-0.6	84	-0.01
57	TP	1,4-Dioxane	*2000.000	1997.163	0.1	75	-0.02
58	TP	cis-1,3-Dichloropropene	0.394	0.409	-3.8	84	-0.01
59	I	Chlorobenzene-d5	1.000	1.000	0.0	78	-0.01
60	S	Toluene-d8	1.296	1.341	-3.5	80	-0.01
61	TC	Toluene	0.773	0.806	-4.3	90	-0.01
62	TP	4-Methyl-2-pentanone	* 40.000	38.692	3.3	83	-0.01
63	TP	Tetrachloroethene	* 40.000	43.301	-8.3	98	-0.01
65	TP	trans-1,3-Dichloropropene	0.481	0.504	-4.8	84	0.00
67	TP	Ethyl methacrylate	0.343	0.365	-6.4	85	-0.01
68	TP	1,1,2-Trichloroethane	0.230	0.241	-4.8	84	-0.01
69	TP	Chlorodibromomethane	0.324	0.335	-3.4	83	0.00
70	TP	1,3-Dichloropropane	0.464	0.481	-3.7	84	-0.01
71	TP	1,2-Dibromoethane	0.258	0.278	-7.8	83	0.00
72	TP	2-Hexanone	0.167	0.185	-10.8	86	-0.01
73	TP	Chlorobenzene	0.903	0.925	-2.4	85	-0.01
74	TC	Ethylbenzene	1.456	1.556	-6.9	93	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.309	0.333	-7.8	84	0.00
76	TP	p/m Xylene	0.555	0.609	-9.7	92	-0.01
77	TP	o Xylene	0.536	0.594	-10.8	92	-0.01
78	TP	Styrene	0.905	1.018	-12.5	90	-0.01
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	78	0.00
80	TP	Bromoform	0.400	0.402	-0.5	82	0.00
82	TP	Isopropylbenzene	2.709	2.853	-5.3	94	0.00
83	S	4-Bromofluorobenzene	0.843	0.801	5.0	75	0.00
84	TP	Bromobenzene	0.721	0.709	1.7	82	0.00
85	TP	n-Propylbenzene	3.386	3.593	-6.1	95	-0.01
86	TP	1,4-Dichlorobutane	0.823	0.843	-2.4	85	-0.01
87	TP	1,1,2,2-Tetrachloroethane	0.679	0.708	-4.3	86	-0.01
88	TP	4-Ethyltoluene	2.714	2.898	-6.8	92	0.00
89	TP	2-Chlorotoluene	1.986	2.023	-1.9	88	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206A01.D
Acq On : 06 Feb 2023 07:16 am
Operator : VOA111:NLK
Sample : WG1741518-2
Misc : WG1741518,ICAL19665
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 08:11:27 2023
Quant Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
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	2.310	2.437	-5.5	91	0.00
91 TP	1,2,3-Trichloropropane	0.532	0.531	0.2	82	-0.01
92 TP	trans-1,4-Dichloro-2-butene	0.177	0.205	-15.8	87	0.00
93 TP	4-Chlorotoluene	2.064	2.133	-3.3	85	0.00
94 TP	tert-Butylbenzene	1.950	2.043	-4.8	93	0.00
97 TP	1,2,4-Trimethylbenzene	2.300	2.442	-6.2	88	0.00
98 TP	sec-Butylbenzene	2.953	3.244	-9.9	97	0.00
99 TP	p-Isopropyltoluene	2.520	2.717	-7.8	94	0.00
100 TP	1,3-Dichlorobenzene	1.397	1.444	-3.4	85	0.00
101 TP	1,4-Dichlorobenzene	1.435	1.464	-2.0	85	0.00
102 TP	p-Diethylbenzene	1.513	1.670	-10.4	95	0.00
103 TP	n-Butylbenzene	2.324	2.637	-13.5	98	0.00
104 TP	1,2-Dichlorobenzene	1.322	1.351	-2.2	83	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.363	2.466	-4.4	85	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.100	0.100	0.0	79	0.00
107 TP	1,3,5-Trichlorobenzene	0.965	1.016	-5.3	88	0.00
108 TP	Hexachlorobutadiene	0.410	0.426	-3.9	94	0.00
109 TP	1,2,4-Trichlorobenzene	0.834	0.873	-4.7	85	0.00
110 TP	Naphthalene	1.792	1.782	0.6	80	0.00
111 TP	1,2,3-Trichlorobenzene	0.696	0.733	-5.3	83	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206A01.D
Acq On : 06 Feb 2023 07:16 am
Operator : VOA111:NLK
Sample : WG1741518-2
Misc : WG1741518,ICAL19665
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 08:11:27 2023
Quant Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230206A\V11230206A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	81322	20.000	ug/L	0.00
Standard Area 1 = 81322			Recovery = 100.00%			
59) Chlorobenzene-d5	9.841	117	59466	20.000	ug/L	-0.01
Standard Area 1 = 59466			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.488	152	31406	20.000	ug/L	0.00
Standard Area 1 = 31406			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.431	113	20994	20.129	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.65%			
43) 1,2-Dichloroethane-d4	5.971	65	21207	20.508	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.54%			
60) Toluene-d8	7.979	98	79746	20.688	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.44%			
83) 4-Bromofluorobenzene	11.298	95	25154	18.994	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 94.97%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	38432	40.421	ug/L	98
3) Chloromethane	1.897	50	45579	41.030	ug/L	97
4) Vinyl chloride	1.955	62	62721	45.823	ug/L	96
5) Bromomethane	2.296	94	62013	41.242	ug/L	97
6) Chloroethane	2.427	64	34493	56.630	ug/L	96
7) Trichlorofluoromethane	2.579	101	56172	44.569	ug/L	100
8) Ethyl ether	2.899	74	17508	43.270	ug/L	69
10) 1,1-Dichloroethene	3.103	96	33561	41.296	ug/L	82
11) Carbon disulfide	3.135	76	122091	67.264	ug/L	100
12) Freon-113	3.150	101	37491	44.517	ug/L	93
14) Acrolein	3.428	56	5129	47.514	ug/L	100
15) Methylene chloride	3.680	84	41856	35.559	ug/L	67
17) Acetone	3.717	43	12063	43.730	ug/L	95
18) trans-1,2-Dichloroethene	3.848	96	39946	41.235	ug/L	82
19) Methyl acetate	3.848	43	22706	42.676	ug/L #	86
20) Methyl tert-butyl ether	3.947	73	94399	41.330	ug/L	86
21) tert-Butyl alcohol	4.021	59	18519	206.884	ug/L	95
22) Diisopropyl ether	4.320	45	125132	41.413	ug/L #	88
23) 1,1-Dichloroethane	4.451	63	72119	41.169	ug/L	96
24) Halothane	4.498	117	30361	41.597	ug/L	99
25) Acrylonitrile	4.482	53	10486	45.158	ug/L	96

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206A01.D
Acq On : 06 Feb 2023 07:16 am
Operator : VOA111:NLK
Sample : WG1741518-2
Misc : WG1741518,ICAL19665
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 08:11:27 2023
Quant Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230206A\V11230206A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.676	59	120398	40.429	ug/L		95
27) Vinyl acetate	4.687	43	91891	47.900	ug/L	#	92
28) cis-1,2-Dichloroethene	4.980	96	44100	40.184	ug/L	#	81
29) 2,2-Dichloropropane	5.090	77	61714	43.045	ug/L		90
30) Bromochloromethane	5.179	128	19918	39.067	ug/L	#	71
31) Cyclohexane	5.195	56	62639	43.908	ug/L	#	61
32) Chloroform	5.248	83	76056	41.193	ug/L		94
33) Ethyl acetate	5.358	43	33302	41.401	ug/L	#	94
34) Carbon tetrachloride	5.400	117	52157	41.313	ug/L		98
35) Tetrahydrofuran	5.405	42	9144	42.621	ug/L	#	66
37) 1,1,1-Trichloroethane	5.463	97	58575	42.608	ug/L		98
39) 2-Butanone	5.546	43	16461	45.944	ug/L		98
40) 1,1-Dichloropropene	5.588	75	51052	42.703	ug/L		99
41) Benzene	5.840	78	158397	41.220	ug/L		89
42) tert-Amyl methyl ether	5.950	73	109751	40.291	ug/L		87
44) 1,2-Dichloroethane	6.039	62	50789	39.000	ug/L		97
47) Methyl cyclohexane	6.443	83	66801	43.434	ug/L	#	68
48) Trichloroethene	6.443	95	41955	42.580	ug/L		98
50) Dibromomethane	6.889	93	24471	39.912	ug/L		94
51) 1,2-Dichloropropane	6.999	63	40999	40.703	ug/L		97
53) 2-Chloroethyl vinyl ether	7.686	63	15164	38.563	ug/L	#	78
54) Bromodichloromethane	7.062	83	56773	40.294	ug/L		99
57) 1,4-Dioxane	7.277	88	16046	1997.163	ug/L	#	71
58) cis-1,3-Dichloropropene	7.764	75	66576	41.541	ug/L	#	88
61) Toluene	8.037	92	95852	41.704	ug/L		94
62) 4-Methyl-2-pentanone	8.462	58	11483	38.692	ug/L	#	83
63) Tetrachloroethene	8.493	166	38333	43.301	ug/L		98
65) trans-1,3-Dichloropropene	8.514	75	59959	41.946	ug/L	#	82
67) Ethyl methacrylate	8.703	69	43377	42.490	ug/L		97
68) 1,1,2-Trichloroethane	8.703	83	28645	41.947	ug/L		99
69) Chlorodibromomethane	8.923	129	39809	41.334	ug/L		97
70) 1,3-Dichloropropane	9.033	76	57262	41.491	ug/L		99
71) 1,2-Dibromoethane	9.206	107	33062	43.027	ug/L		99
72) 2-Hexanone	9.479	43	22018	44.440	ug/L		95
73) Chlorobenzene	9.862	112	110006	40.972	ug/L		90
74) Ethylbenzene	9.903	91	185082	42.742	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.945	131	39581	43.013	ug/L		98
76) p/m Xylene	10.087	106	144860	87.820	ug/L		99
77) o Xylene	10.611	106	141180	88.556	ug/L		97
78) Styrene	10.674	104	242170	89.961	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206A01.D
Acq On : 06 Feb 2023 07:16 am
Operator : VOA111:NLK
Sample : WG1741518-2
Misc : WG1741518,ICAL19665
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 08:11:27 2023
Quant Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230206A\V11230206A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	10.700	173	25263	40.237	ug/L		100
82) Isopropylbenzene	10.989	105	179192	42.117	ug/L		99
84) Bromobenzene	11.414	156	44537	39.313	ug/L		100
85) n-Propylbenzene	11.450	91	225695	42.443	ug/L		99
86) 1,4-Dichlorobutane	11.461	55	52931	40.968	ug/L		96
87) 1,1,2,2-Tetrachloroethane	11.524	83	44455	41.710	ug/L		99
88) 4-Ethyltoluene	11.576	105	182022	42.709	ug/L		100
89) 2-Chlorotoluene	11.618	91	127062	40.736	ug/L		91
90) 1,3,5-Trimethylbenzene	11.670	105	153095	42.203	ug/L		100
91) 1,2,3-Trichloropropane	11.665	75	33342	39.881	ug/L		99
92) trans-1,4-Dichloro-2-b...	11.718	53	12871	46.222	ug/L	#	73
93) 4-Chlorotoluene	11.796	91	133976	41.327	ug/L		100
94) tert-Butylbenzene	12.006	119	128314	41.897	ug/L		98
97) 1,2,4-Trimethylbenzene	12.079	105	153378	42.466	ug/L		100
98) sec-Butylbenzene	12.195	105	203769	43.947	ug/L		99
99) p-Isopropyltoluene	12.342	119	170629	43.124	ug/L		99
100) 1,3-Dichlorobenzene	12.410	146	90727	41.356	ug/L		100
101) 1,4-Dichlorobenzene	12.504	146	91986	40.823	ug/L		99
102) p-Diethylbenzene	12.714	119	104900	44.151	ug/L		100
103) n-Butylbenzene	12.766	91	165666	45.398	ug/L		97
104) 1,2-Dichlorobenzene	12.924	146	84856	40.869	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.495	119	154864	41.733	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.689	155	6299	40.014	ug/L		98
107) 1,3,5-Trichlorobenzene	13.726	180	63843	42.124	ug/L		98
108) Hexachlorobutadiene	14.297	225	26751	41.523	ug/L		100
109) 1,2,4-Trichlorobenzene	14.318	180	54805	41.864	ug/L		99
110) Naphthalene	14.612	128	111902	39.761	ug/L		100
111) 1,2,3-Trichlorobenzene	14.780	180	46062	42.145	ug/L		98

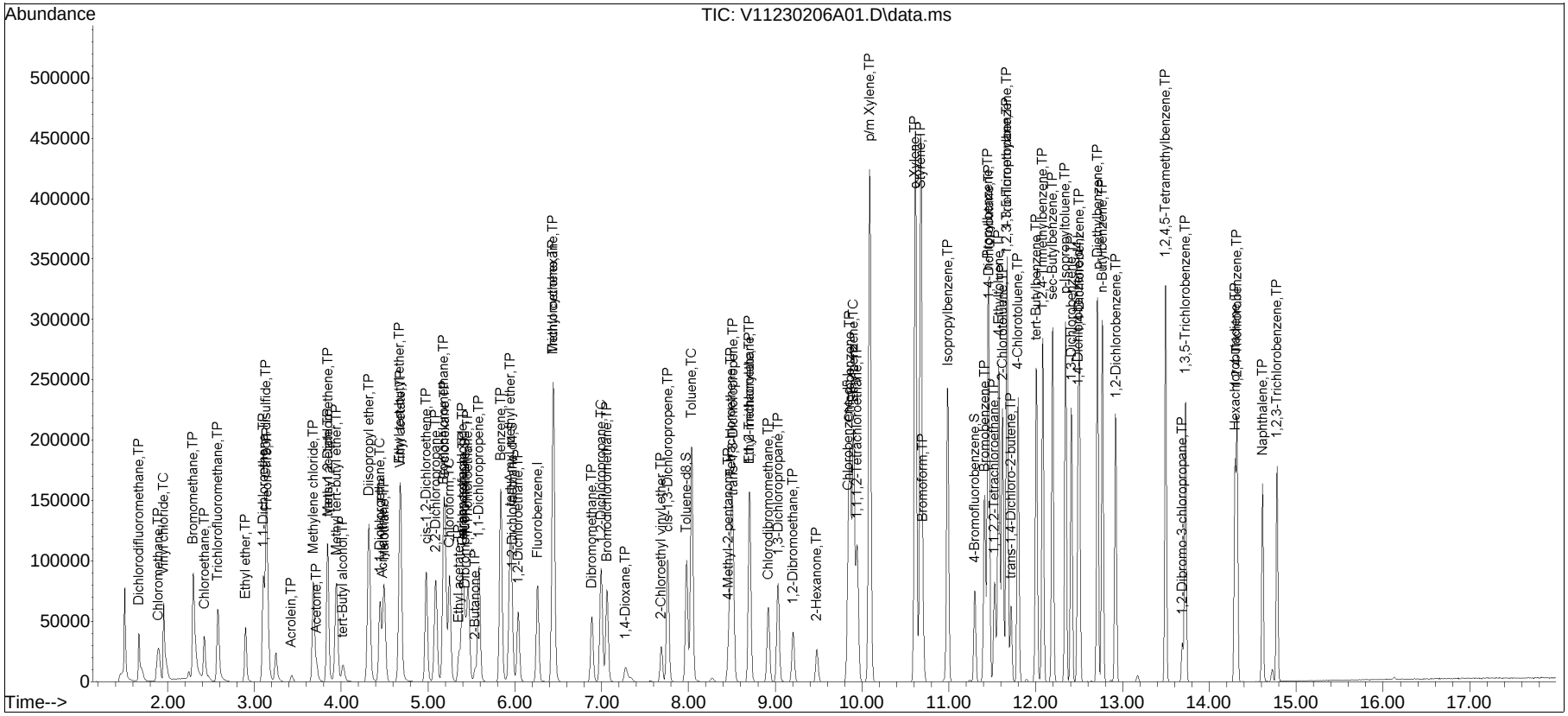
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206A01.D
Acq On : 06 Feb 2023 07:16 am
Operator : VOA111:NLK
Sample : WG1741518-2
Misc : WG1741518,ICAL19665
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 08:11:27 2023
Quant Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox6A\V11230206A01.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2Q	Method	: V111_230118_8260.m
Data File	: V11230206A01.D	Operator	: VOA111:NLK
Date Inj'd	: 2/6/2023 7:16 am	Instrument	: VOA111
Sample	: WG1741518-2	Quant Date	: 2/6/2023 8:11 am

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A01.D
Acq On : 06 Feb 2023 08:07 am
Operator : VOA122:PID
Sample : WG1741609-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 08:33:59 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
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	89	0.00
2	TP	Dichlorodifluoromethane	* 10.000	8.611	13.9	69	0.00
3	TP	Chloromethane	* 10.000	9.452	5.5	77	0.00
4	TC	Vinyl chloride	0.146	0.150	-2.7	84	0.00
5	TP	Bromomethane	0.069	0.071	-2.9	95	0.00
6	TP	Chloroethane	0.104	0.100	3.8	79	0.00
7	TP	Trichlorofluoromethane	0.277	0.283	-2.2	80	0.00
8	TP	Ethyl ether	0.048	0.045	6.3	78	0.00
10	TC	1,1-Dichloroethene	0.135	0.136	-0.7	81	0.00
11	TP	Carbon disulfide	0.459	0.439	4.4	77	0.00
12	TP	Freon-113	0.145	0.147	-1.4	80	0.00
14	TP	Acrolein	0.015	0.016	-6.7	84	0.00
15	TP	Methylene chloride	* 10.000	10.334	-3.3	80	0.00
17	TP	Acetone	* 10.000	11.376	-13.8	87	0.00
18	TP	trans-1,2-Dichloroethene	0.147	0.143	2.7	80	0.00
19	TP	Methyl acetate	0.047	0.047	0.0	84	0.00
21	TP	Methyl tert-butyl ether	0.225	0.202	10.2	79	0.00
22	TP	tert-Butyl alcohol	0.00634	0.00664#	-4.7	87	-0.01
24	TP	Diisopropyl ether	0.315	0.276	12.4	80	0.00
25	TP	1,1-Dichloroethane	0.311	0.299#	3.9	78	0.00
26	TP	Halothane	0.097	0.091	6.2	78	0.00
27	TP	Acrylonitrile	0.029	0.029	0.0	78	0.00
28	TP	Ethyl tert-butyl ether	0.310	0.270	12.9	83	0.00
29	TP	Vinyl acetate	0.138	0.151	-9.4	108	0.00
30	TP	cis-1,2-Dichloroethene	0.160	0.163#	-1.9	84	0.00
31	TP	2,2-Dichloropropane	0.262	0.274	-4.6	85	0.00
32	TP	Bromochloromethane	0.066	0.066#	0.0	82	0.00
33	TP	Cyclohexane	0.284	0.257	9.5	75	0.00
34	TC	Chloroform	0.301	0.314	-4.3	85	0.00
35	TP	Ethyl acetate	0.055	0.049	10.9	91	0.00
36	TP	Carbon tetrachloride	0.233	0.234	-0.4	78	0.00
37	TP	Tetrahydrofuran	0.018	0.018	0.0	78	0.00
38	S	Dibromofluoromethane	0.318	0.357	-12.3	96	0.00
39	TP	1,1,1-Trichloroethane	0.262	0.262	0.0	80	0.00
41	TP	2-Butanone	0.026	0.024	7.7	82	0.00
42	TP	1,1-Dichloropropene	0.196	0.173	11.7	79	0.00
44	TP	Benzene	0.506	0.463	8.5	79	0.00
45	TP	tert-Amyl methyl ether	0.252	0.217	13.9	84	0.00
46	S	1,2-Dichloroethane-d4	0.362	0.400	-10.5	94	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A01.D
Acq On : 06 Feb 2023 08:07 am
Operator : VOA122:PID
Sample : WG1741609-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 08:33:59 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
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)
47	T	1,2-Dichloroethane	0.203	0.193	4.9	83	0.00
50	TP	Methyl cyclohexane	0.234	0.217	7.3	77	0.00
51	TP	Trichloroethene	0.157	0.142#	9.6	80	0.00
53	TP	Dibromomethane	0.076	0.074	2.6	81	0.00
54	TC	1,2-Dichloropropane	0.133	0.117	12.0	77	0.00
57	TP	Bromodichloromethane	0.205	0.192#	6.3	82	0.00
60	TP	1,4-Dioxane	0.00074	0.00089#	-20.3#	91	0.00
61	TP	cis-1,3-Dichloropropene	0.201	0.187#	7.0	85	0.00
62	I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
63	S	Toluene-d8	1.310	1.347	-2.8	92	0.00
64	TC	Toluene	0.445	0.403	9.4	79	0.00
65	TP	4-Methyl-2-pentanone	0.020	0.017#	15.0	78	-0.01
66	TP	Tetrachloroethene	0.174	0.158	9.2	85	0.00
68	TP	trans-1,3-Dichloropropene	0.257	0.228#	11.3	87	0.00
70	TP	Ethyl methacrylate	0.128	0.113	11.7	77	0.00
71	TP	1,1,2-Trichloroethane	0.092	0.075#	18.5	80	0.00
72	TP	Chlorodibromomethane	* 10.000	7.805	22.0#	83	0.00
73	TP	1,3-Dichloropropane	0.206	0.177	14.1	84	0.00
74	TP	1,2-Dibromoethane	0.108	0.100#	7.4	89	0.00
76	TP	2-Hexanone	0.053	0.042	20.8#	73	0.00
77	TP	Chlorobenzene	0.481	0.436	9.4	82	0.00
78	TC	Ethylbenzene	0.910	0.832	8.6	79	0.00
79	TP	1,1,1,2-Tetrachloroethane	0.151	0.127	15.9	84	0.00
80	TP	p/m Xylene	0.337	0.321	4.7	81	0.00
81	TP	o Xylene	0.326	0.308	5.5	82	0.00
82	TP	Styrene	0.530	0.504	4.9	82	0.00
83	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
84	TP	Bromoform	* 10.000	8.025	19.7	85	0.00
86	TP	Isopropylbenzene	1.646	1.489	9.5	81	0.00
87	S	4-Bromofluorobenzene	0.970	0.963	0.7	91	0.00
88	TP	Bromobenzene	0.364	0.322	11.5	83	0.00
89	TP	n-Propylbenzene	2.043	1.852	9.3	82	0.00
90	TP	1,4-Dichlorobutane	0.359	0.302	15.9	82	0.00
91	TP	1,1,2,2-Tetrachloroethane	0.199	0.173#	13.1	88	0.00
92	TP	4-Ethyltoluene	1.657	1.515	8.6	82	0.00
93	TP	2-Chlorotoluene	1.186	1.059	10.7	81	0.00
94	TP	1,3,5-Trimethylbenzene	1.356	1.135	16.3	78	0.00

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A01.D
Acq On : 06 Feb 2023 08:07 am
Operator : VOA122:PID
Sample : WG1741609-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 08:33:59 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
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)
95 TP	1,2,3-Trichloropropane	0.192	0.160	16.7	83	0.00
96 TP	trans-1,4-Dichloro-2-butene	0.071	0.061	14.1	79	0.00
97 TP	4-Chlorotoluene	1.261	1.153	8.6	82	0.00
98 TP	tert-Butylbenzene	1.390	1.262	9.2	80	0.00
101 TP	1,2,4-Trimethylbenzene	1.313	1.104	15.9	79	0.00
102 TP	sec-Butylbenzene	1.707	1.567	8.2	81	0.00
103 TP	p-Isopropyltoluene	1.414	1.283	9.3	80	0.00
104 TP	1,3-Dichlorobenzene	0.701	0.640	8.7	82	0.00
105 TP	1,4-Dichlorobenzene	0.698	0.622	10.9	83	0.00
106 TP	p-Diethylbenzene	0.818	0.700	14.4	79	0.00
107 TP	n-Butylbenzene	1.257	1.107	11.9	79	0.00
108 TP	1,2-Dichlorobenzene	0.616	0.548#	11.0	82	0.00
109 TP	1,2,4,5-Tetramethylbenzene	1.083	0.935	13.7	83	0.00
110 TP	1,2-Dibromo-3-chloropropane	0.037	0.033	10.8	82	0.00
111 TP	1,3,5-Trichlorobenzene	0.467	0.405	13.3	82	0.00
112 TP	Hexachlorobutadiene	0.221	0.207	6.3	86	0.00
113 TP	1,2,4-Trichlorobenzene	0.408	0.361#	11.5	83	0.00
114 TP	Naphthalene	0.765	0.646	15.6	81	0.00
115 TP	1,2,3-Trichlorobenzene	0.352	0.314#	10.8	83	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 16 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A01.D
Acq On : 06 Feb 2023 08:07 am
Operator : VOA122:PID
Sample : WG1741609-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 08:33:59 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.292	96	308167	10.000	ug/L		0.00
62) Chlorobenzene-d5	9.874	117	247621	10.000	ug/L		0.00
83) 1,4-Dichlorobenzene-d4	12.508	152	143234	10.000	ug/L		0.00
System Monitoring Compounds							
38) Dibromofluoromethane	5.460	113	109893	11.219	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.19%				
46) 1,2-Dichloroethane-d4	6.004	65	123387	11.061	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.61%				
63) Toluene-d8	8.009	98	333507	10.281	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.81%				
87) 4-Bromofluorobenzene	11.325	95	137870	9.925	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.25%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.689	85	58181	8.611	ug/L		99
3) Chloromethane	1.891	50	57083	9.452	ug/L		98
4) Vinyl chloride	1.975	62	46119	10.250	ug/L		97
5) Bromomethane	2.317	94	21830	10.328	ug/L		91
6) Chloroethane	2.442	64	30926	9.647	ug/L		99
7) Trichlorofluoromethane	2.595	101	87203	10.198	ug/L		99
8) Ethyl ether	2.916	74	13730	9.229	ug/L	#	1
10) 1,1-Dichloroethene	3.125	96	42045	10.089	ug/L	#	72
11) Carbon disulfide	3.160	76	135195	9.559	ug/L		99
12) Freon-113	3.167	101	45288	10.139	ug/L		89
14) Acrolein	3.460	56	4853	10.435	ug/L		96
15) Methylene chloride	3.704	84	47873	10.334	ug/L		82
17) Acetone	3.746	43	7574	11.376	ug/L		98
18) trans-1,2-Dichloroethene	3.871	96	43925	9.679	ug/L		80
19) Methyl acetate	3.871	43	14357	9.829	ug/L		94
21) Methyl tert-butyl ether	3.969	73	62293	8.970	ug/L		94
22) tert-Butyl alcohol	4.045	59	10234	52.398	ug/L	#	92
24) Diisopropyl ether	4.345	45	84963	8.752	ug/L		96
25) 1,1-Dichloroethane	4.477	63	92151	9.614	ug/L		97
26) Halothane	4.526	117	28034	9.424	ug/L		98
27) Acrylonitrile	4.519	53	8861	9.945	ug/L		95
28) Ethyl tert-butyl ether	4.708	59	83101	8.698	ug/L		94
29) Vinyl acetate	4.708	43	46456	10.947	ug/L		95
30) cis-1,2-Dichloroethene	5.007	96	50108	10.178	ug/L	#	81
31) 2,2-Dichloropropane	5.119	77	84367	10.437	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A01.D
Acq On : 06 Feb 2023 08:07 am
Operator : VOA122:PID
Sample : WG1741609-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 08:33:59 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
32) Bromochloromethane	5.202	128	20354	9.946	ug/L	#	76
33) Cyclohexane	5.216	56	79069	9.032	ug/L		89
34) Chloroform	5.279	83	96725	10.428	ug/L		95
35) Ethyl acetate	5.391	43	15243	8.931	ug/L	#	93
36) Carbon tetrachloride	5.426	117	72240	10.070	ug/L		98
37) Tetrahydrofuran	5.439	42	5655M6	10.294	ug/L		
39) 1,1,1-Trichloroethane	5.495	97	80744	9.985	ug/L		97
41) 2-Butanone	5.572	43	7518	9.375	ug/L	#	59
42) 1,1-Dichloropropene	5.614	75	53415	8.866	ug/L		93
44) Benzene	5.871	78	142634	9.156	ug/L		95
45) tert-Amyl methyl ether	5.974	73	66806	8.606	ug/L		96
47) 1,2-Dichloroethane	6.070	62	59609	9.513	ug/L		97
50) Methyl cyclohexane	6.469	83	66923	9.296	ug/L	#	78
51) Trichloroethene	6.469	95	43647	9.027	ug/L	#	85
53) Dibromomethane	6.918	93	22676	9.650	ug/L	#	85
54) 1,2-Dichloropropane	7.029	63	36011	8.800	ug/L	#	94
57) Bromodichloromethane	7.095	83	59194	9.389	ug/L	#	97
60) 1,4-Dioxane	7.309	88	13715	597.574	ug/L	#	75
61) cis-1,3-Dichloropropene	7.795	75	57704	9.329	ug/L		94
64) Toluene	8.075	92	99900	9.072	ug/L		96
65) 4-Methyl-2-pentanone	8.495	58	4140	8.164	ug/L		93
66) Tetrachloroethene	8.526	166	39195	9.110	ug/L		90
68) trans-1,3-Dichloropropene	8.549	75	56413	8.877	ug/L		97
70) Ethyl methacrylate	8.740	69	27860	8.806	ug/L		98
71) 1,1,2-Trichloroethane	8.740	83	18675	8.237	ug/L		97
72) Chlorodibromomethane	8.954	129	29373	7.805	ug/L		92
73) 1,3-Dichloropropane	9.073	76	43858	8.612	ug/L		99
74) 1,2-Dibromoethane	9.247	107	24655	9.218	ug/L		93
76) 2-Hexanone	9.517	43	10363	7.894	ug/L		94
77) Chlorobenzene	9.897	112	108018	9.067	ug/L		88
78) Ethylbenzene	9.937	91	206093	9.146	ug/L		96
79) 1,1,1,2-Tetrachloroethane	9.977	131	31550	8.449	ug/L		96
80) p/m Xylene	10.120	106	159082	19.054	ug/L		86
81) o Xylene	10.643	106	152448	18.856	ug/L		85
82) Styrene	10.706	104	249620	19.012	ug/L	#	86
84) Bromoform	10.730	173	18950	8.025	ug/L		99
86) Isopropylbenzene	11.016	105	213218	9.043	ug/L		93
88) Bromobenzene	11.444	156	46091	8.846	ug/L		97
89) n-Propylbenzene	11.476	91	265300	9.065	ug/L		94
90) 1,4-Dichlorobutane	11.491	55	43203	8.400	ug/L		93
91) 1,1,2,2-Tetrachloroethane	11.555	83	24850	8.708	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A01.D
Acq On : 06 Feb 2023 08:07 am
Operator : VOA122:PID
Sample : WG1741609-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 08:33:59 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 4-Ethyltoluene	11.602	105	216998	9.143	ug/L		95
93) 2-Chlorotoluene	11.642	91	151732M6	8.928	ug/L		
94) 1,3,5-Trimethylbenzene	11.698	105	162640	8.376	ug/L		93
95) 1,2,3-Trichloropropane	11.698	75	22847	8.306	ug/L		94
96) trans-1,4-Dichloro-2-b...	11.745	53	8716	8.518	ug/L		88
97) 4-Chlorotoluene	11.825	91	165189	9.144	ug/L		89
98) tert-Butylbenzene	12.035	119	180805	9.082	ug/L	#	84
101) 1,2,4-Trimethylbenzene	12.104	105	158137	8.409	ug/L		91
102) sec-Butylbenzene	12.216	105	224443	9.181	ug/L		94
103) p-Isopropyltoluene	12.369	119	183712	9.070	ug/L		91
104) 1,3-Dichlorobenzene	12.432	146	91673	9.132	ug/L		96
105) 1,4-Dichlorobenzene	12.529	146	89025	8.901	ug/L	#	93
106) p-Diethylbenzene	12.731	119	100311	8.558	ug/L		95
107) n-Butylbenzene	12.793	91	158617	8.810	ug/L		97
108) 1,2-Dichlorobenzene	12.947	146	78551	8.901	ug/L		95
109) 1,2,4,5-Tetramethylben...	13.517	119	133987	8.634	ug/L		93
110) 1,2-Dibromo-3-chloropr...	13.712	155	4727	9.025	ug/L		96
111) 1,3,5-Trichlorobenzene	13.747	180	57965	8.674	ug/L		95
112) Hexachlorobutadiene	14.318	225	29682	9.373	ug/L		98
113) 1,2,4-Trichlorobenzene	14.339	180	51701	8.846	ug/L		98
114) Naphthalene	14.631	128	92491	8.442	ug/L		100
115) 1,2,3-Trichlorobenzene	14.798	180	44969	8.923	ug/L		99

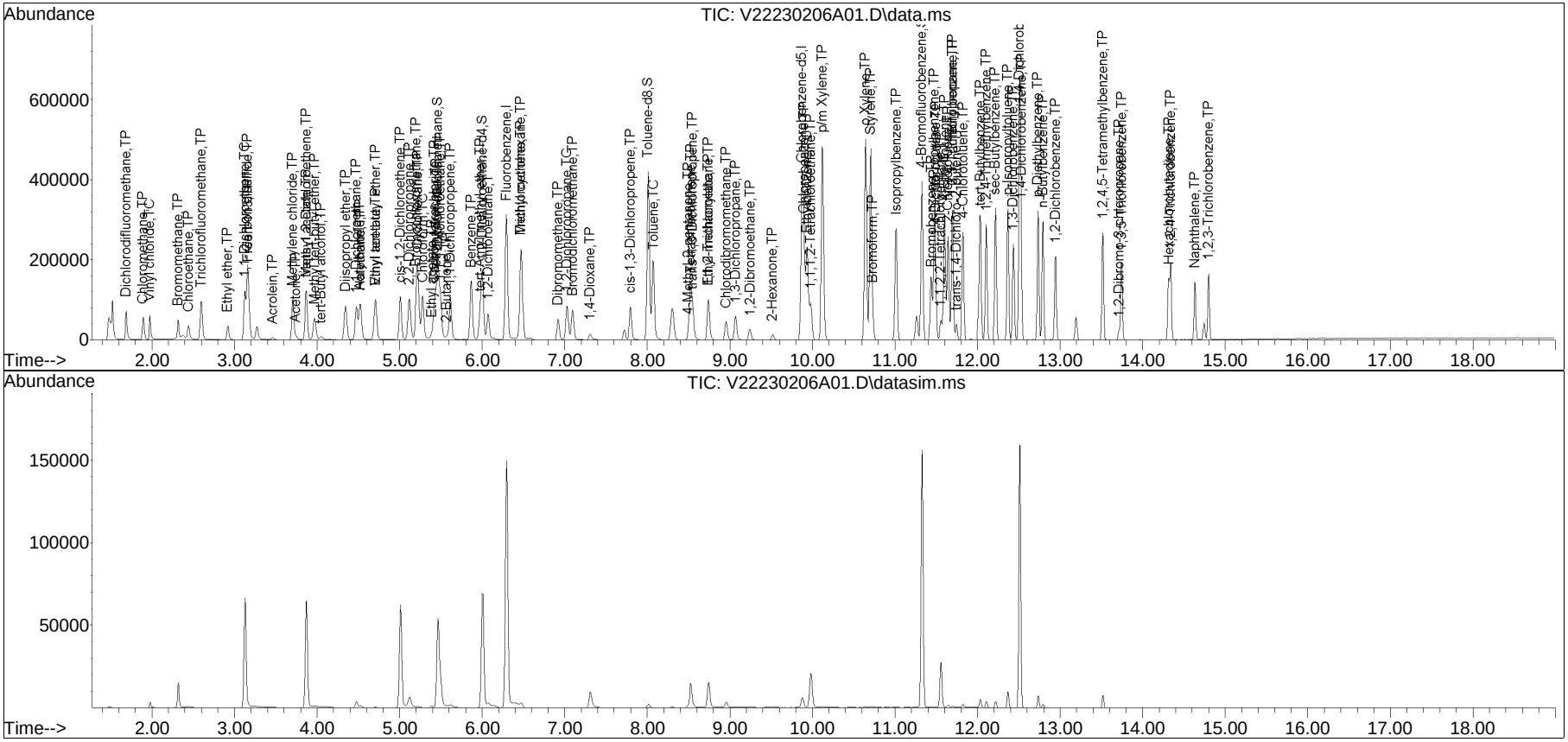
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A01.D
Acq On : 06 Feb 2023 08:07 am
Operator : VOA122:PID
Sample : WG1741609-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 08:33:59 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

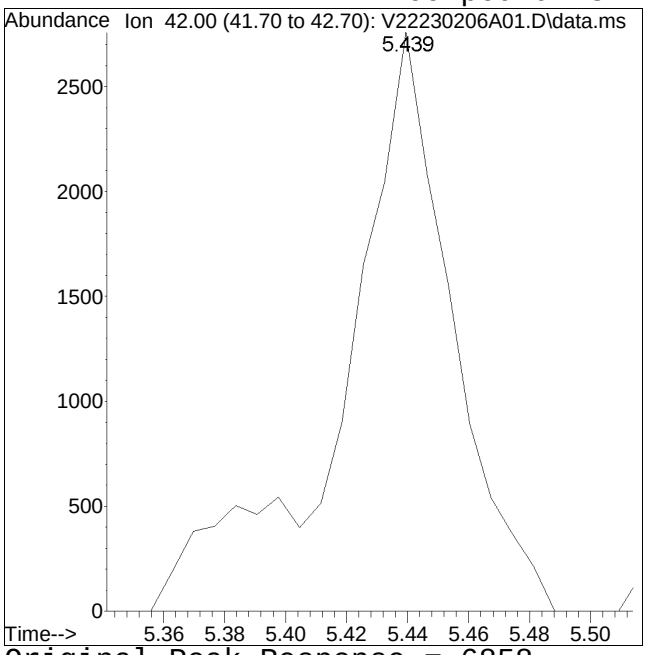
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane



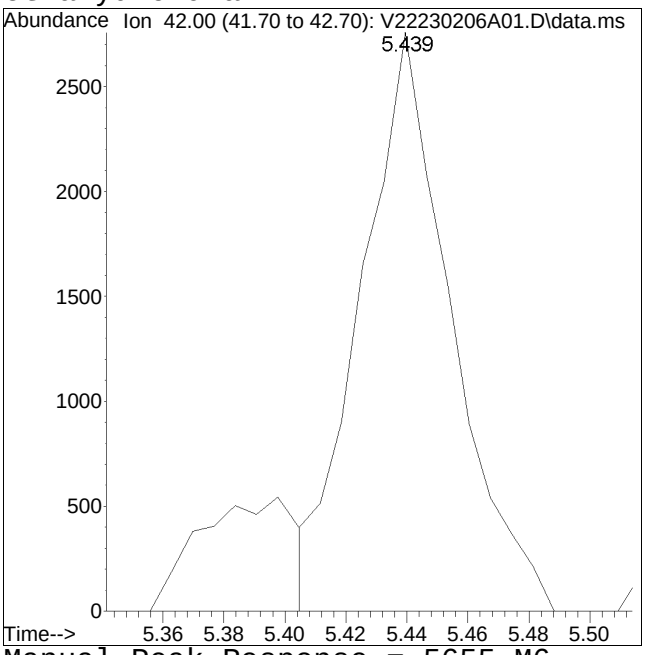
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230124N_8260.m
Data File : V22230206A01.D Operator : VOA122:PID
Date Inj'd : 2/6/2023 8:07 am Instrument : VOA122
Sample : WG1741609-2 Quant Date : 2/6/2023 8:33 am

Compound #37: Tetrahydrofuran



Original Peak Response = 6858



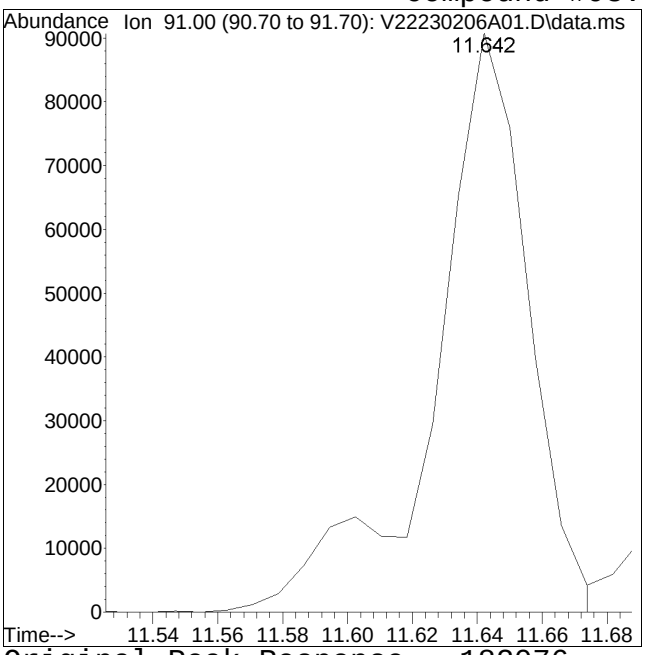
Manual Peak Response = 5655 M6

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

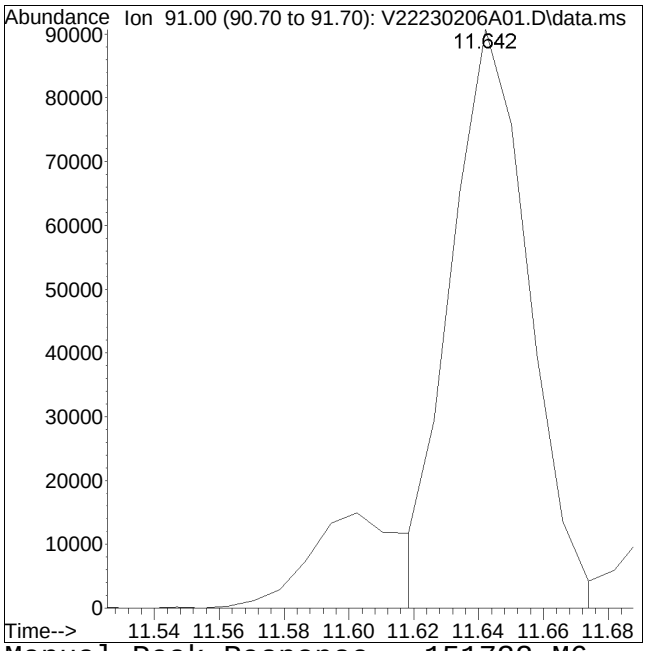
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230124N_8260.m
Data File : V22230206A01.D Operator : VOA122:PID
Date Inj'd : 2/6/2023 8:07 am Instrument : VOA122
Sample : WG1741609-2 Quant Date : 2/6/2023 8:33 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 182076



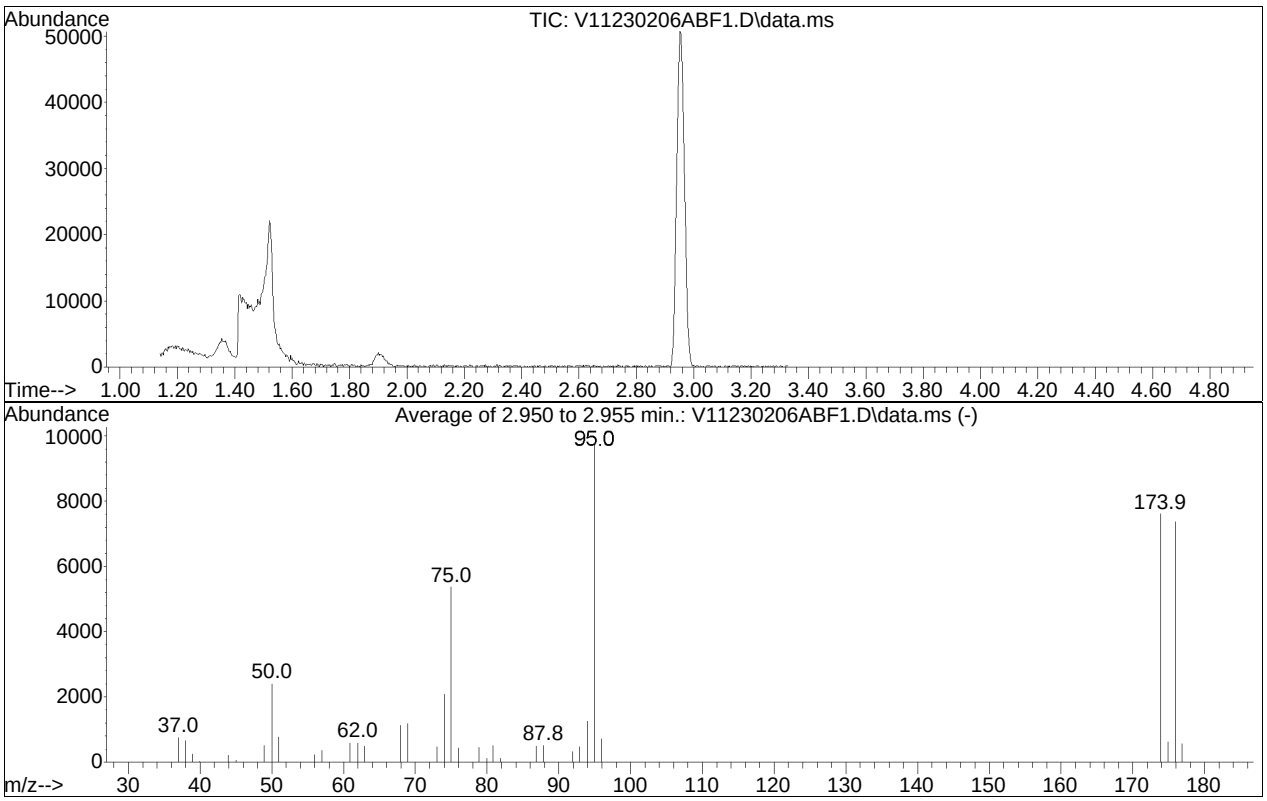
Manual Peak Response = 151732 M6

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

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206ABF1.D
Acq On : 06 Feb 2023 06:50 am
Operator : VOA111:NLK
Sample : WG1741518-1
Misc : WG1741518,ICAL19665
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jan 19 11:49:17 2023



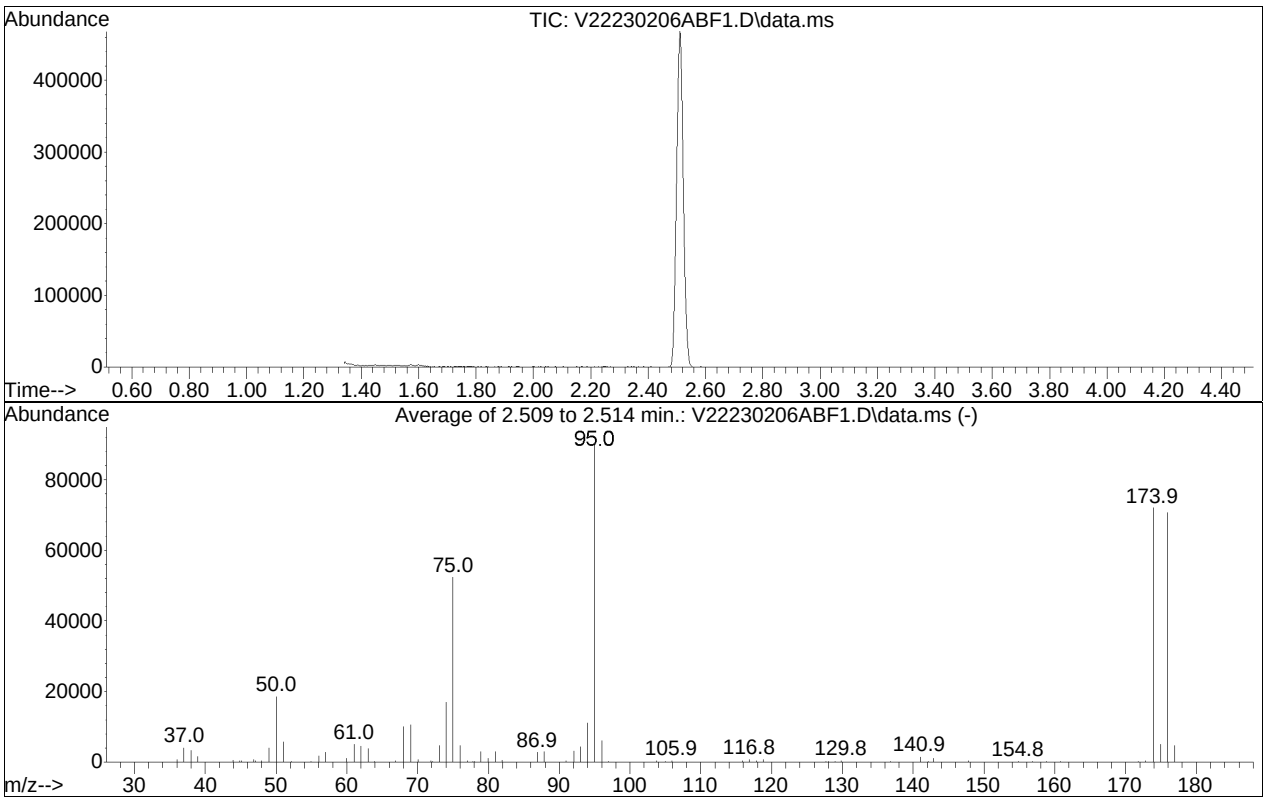
AutoFind: Scans 650, 651, 652; Background Corrected with Scan 637

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.4	2394	PASS
75	95	30	60	54.9	5377	PASS
95	95	100	100	100.0	9796	PASS
96	95	5	9	7.3	715	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	77.8	7625	PASS
175	174	5	9	8.1	618	PASS
176	174	95	101	96.7	7377	PASS
177	176	5	9	7.7	567	PASS

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206ABF1.D
Acq On : 06 Feb 2023 07:56 am
Operator : VOA122:PID
Sample : WG1741609-1
Misc : WG1741609,ICAL19682
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Jan 25 08:44:34 2023



Spectrum Information: Average of 2.509 to 2.514 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.5	18587	PASS
75	95	30	60	58.0	52504	PASS
95	95	100	100	100.0	90509	PASS
96	95	5	9	6.7	6078	PASS
173	174	0.00	2	0.4	265	PASS
174	95	50	100	79.6	72051	PASS
175	174	5	9	6.9	4991	PASS
176	174	95	101	98.2	70747	PASS
177	176	5	9	6.8	4788	PASS

Volatiles Raw QC Data

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206A05.D
Acq On : 06 Feb 2023 09:07 am
Operator : VOA111:NLK
Sample : WG1741518-5,31,5,5
Misc : WG1741518,ICAL19665
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 06 10:58:10 2023
Quant Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230206A\V11230206A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.260	96	70827	20.000	ug/L	-0.01
Standard Area 1 = 81322			Recovery = 87.09%			
59) Chlorobenzene-d5	9.841	117	52234	20.000	ug/L	-0.01
Standard Area 1 = 59466			Recovery = 87.84%			
79) 1,4-Dichlorobenzene-d4	12.488	152	24753	20.000	ug/L	0.00
Standard Area 1 = 31406			Recovery = 78.82%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.431	113	18248	20.089	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.44%			
43) 1,2-Dichloroethane-d4	5.966	65	18646	20.704	ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.52%			
60) Toluene-d8	7.979	98	69563	20.545	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.72%			
83) 4-Bromofluorobenzene	11.298	95	21263	20.372	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.86%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.296	94	760	0.580	ug/L #	75
6) Chloroethane	0.000		0	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	3.114	76	502	0.318	ug/L #	73
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D. d		
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	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	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206A05.D
Acq On : 06 Feb 2023 09:07 am
Operator : VOA111:NLK
Sample : WG1741518-5,31,5,5
Misc : WG1741518,ICAL19665
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 06 10:58:10 2023
Quant Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230206A\V11230206A01.D
Sub List : 8260-CurveSoil - 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	0.000		0	N.D.	d	
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	0.000		0	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	0.000		0	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	0.000		0	N.D.		
74) Ethylbenzene	0.000		0	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	0.000		0	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	0.000		0	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	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206A05.D
Acq On : 06 Feb 2023 09:07 am
Operator : VOA111:NLK
Sample : WG1741518-5,31,5,5
Misc : WG1741518,ICAL19665
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 06 10:58:10 2023
Quant Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230206A\V11230206A01.D
Sub List : 8260-CurveSoil - 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.	d	
100)	1,3-Dichlorobenzene	0.000		0	N.D.		
101)	1,4-Dichlorobenzene	0.000		0	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	14.617	128	566	0.255	ug/L	100
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

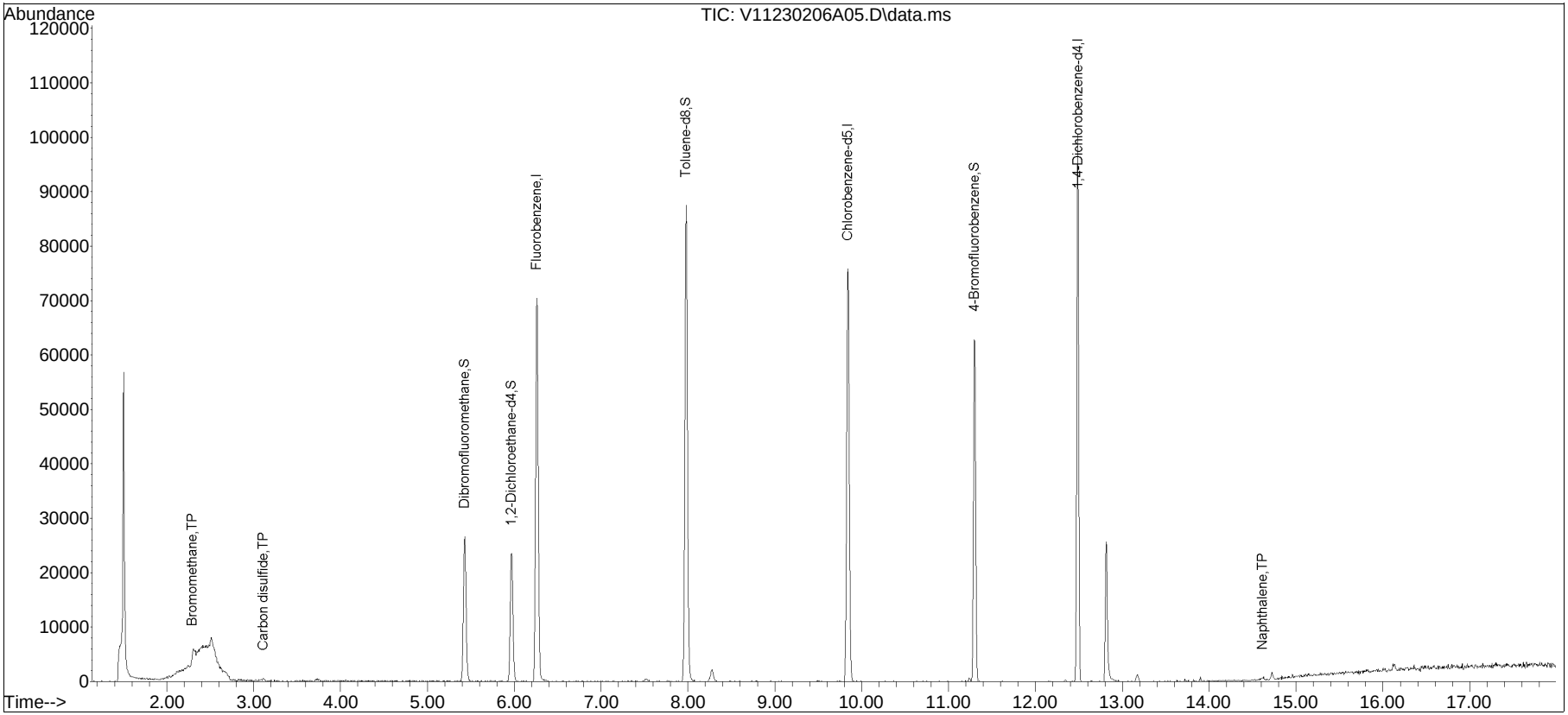
(#) = qualifier out of range (m) = manual integration (+) = signals summed

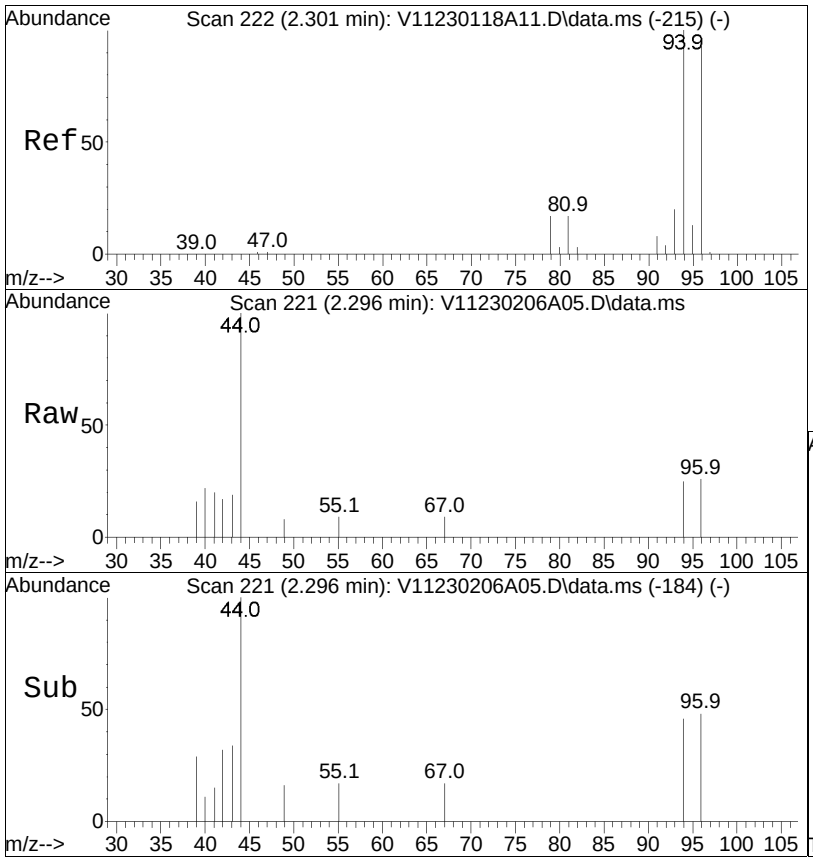
Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206A05.D
Acq On : 06 Feb 2023 09:07 am
Operator : VOA111:NLK
Sample : WG1741518-5,31,5,5
Misc : WG1741518,ICAL19665
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 06 10:58:10 2023
Quant Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox6A\V11230206A01.D•

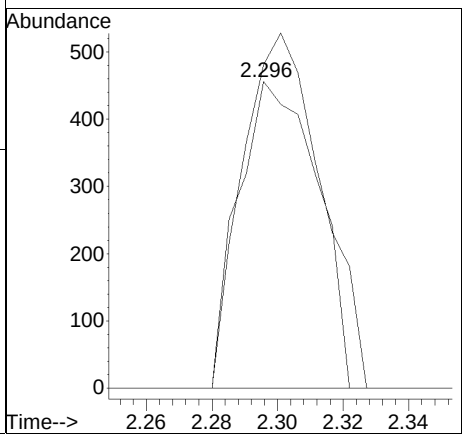


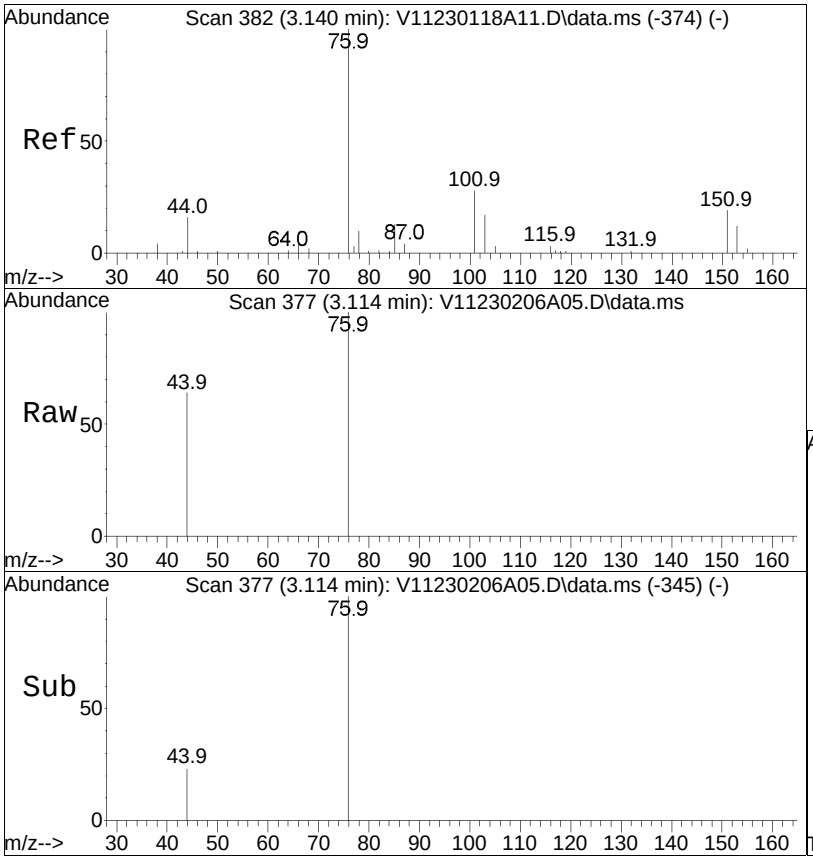


#5
Bromomethane
Concen: 0.58 ug/L
RT: 2.296 min Scan# 221
Delta R.T. -0.005 min
Lab File: V11230206A05.D
Acq: 06 Feb 2023 09:07 am

Tgt Ion: 94 Resp: 760

Ion	Ratio	Lower	Upper
94	100		
96	116.3	72.6	112.6#

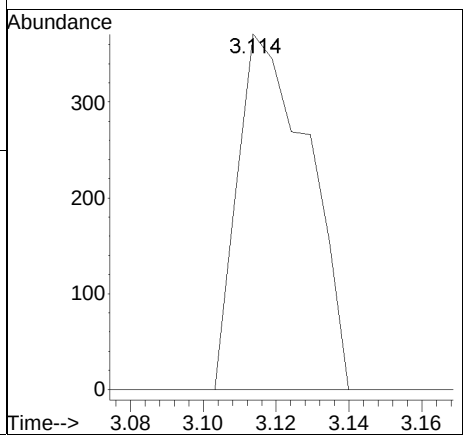


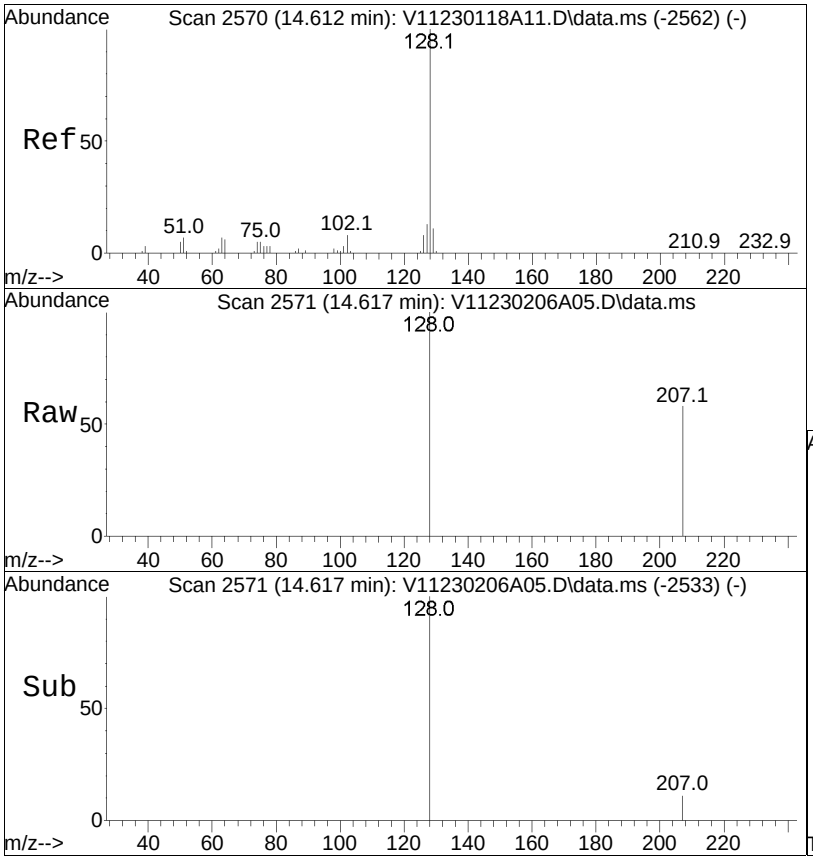


#11
Carbon disulfide
Concen: 0.32 ug/L
RT: 3.114 min Scan# 377
Delta R.T. -0.031 min
Lab File: V11230206A05.D
Acq: 06 Feb 2023 09:07 am

Tgt Ion: 76 Resp: 502

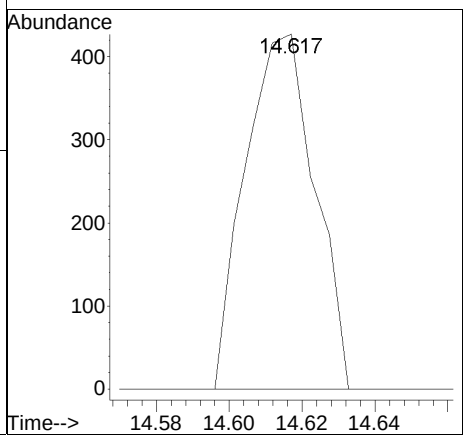
Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.4	13.4#





#110
Naphthalene
Concen: 0.26 ug/L
RT: 14.617 min Scan# 2571
Delta R.T. 0.000 min
Lab File: V11230206A05.D
Acq: 06 Feb 2023 09:07 am

Tgt Ion:128 Resp: 566



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2	QMethod	: V111_230118_8260.m
Data File	: V11230206A05.D	Operator	: VOA111:NLK
Date Inj'd	: 2/6/2023 9:07 am	Instrument	: VOA111
Sample	: WG1741518-5,31,5,5	Quant Date	: 2/6/2023 10:58 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A05.D
Acq On : 06 Feb 2023 09:46 am
Operator : VOA122:PID
Sample : WG1741609-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 06 10:09:20 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230206A\V22230206A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.292	96	269998	10.000 ug/L	0.00
Standard Area 1 = 308167			Recovery = 87.61%		
62) Chlorobenzene-d5	9.874	117	248396	10.000 ug/L	0.00
Standard Area 1 = 247621			Recovery = 100.31%		
83) 1,4-Dichlorobenzene-d4	12.515	152	134501	10.000 ug/L	0.00
Standard Area 1 = 143234			Recovery = 93.90%		
System Monitoring Compounds					
38) Dibromofluoromethane	5.460	113	106111	12.364 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 123.64%		
46) 1,2-Dichloroethane-d4	6.004	65	112124	11.472 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.72%		
63) Toluene-d8	8.009	98	322651	9.916 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.16%		
87) 4-Bromofluorobenzene	11.325	95	139756	10.714 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.14%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	2.017	50	63	Below Cal #	49
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	0.000		0	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	3.146	76	486	N.D.	
15) Methylene chloride	3.704	84	323	Below Cal #	46
17) Acetone	0.000		0	N.D.	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) 2,2-Dichloropropane	0.000		0	N.D.	
32) Bromochloromethane	0.000		0	N.D.	
34) Chloroform	0.000		0	N.D.	

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A05.D
Acq On : 06 Feb 2023 09:46 am
Operator : VOA122:PID
Sample : WG1741609-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 06 10:09:20 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230206A\V22230206A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0	N.D.		
39) 1,1,1-Trichloroethane	0.000		0	N.D.		
41) 2-Butanone	0.000		0	N.D.		
42) 1,1-Dichloropropene	0.000		0	N.D.		
44) Benzene	0.000		0	N.D.		
47) 1,2-Dichloroethane	6.063	62	184	N.D.		
51) Trichloroethene	0.000		0	N.D.	d	
53) Dibromomethane	0.000		0	N.D.		
54) 1,2-Dichloropropane	0.000		0	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
60) 1,4-Dioxane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	0.000		0	N.D.		
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	0.000		0	N.D.		
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D.		
72) Chlorodibromomethane	0.000		0	N.D.		
73) 1,3-Dichloropropane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.		
77) Chlorobenzene	0.000		0	N.D.		
78) Ethylbenzene	9.866	91	574	N.D.		
79) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
80) p/m Xylene	0.000		0	N.D.		
81) o Xylene	0.000		0	N.D.		
82) Styrene	0.000		0	N.D.		
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	0.000		0	N.D.		
88) Bromobenzene	0.000		0	N.D.		
89) n-Propylbenzene	11.325	91	469	N.D.		
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
92) 4-Ethyltoluene	0.000		0	N.D.		
93) 2-Chlorotoluene	0.000		0	N.D.		
94) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
95) 1,2,3-Trichloropropane	11.817	75	72	N.D.		
96) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
97) 4-Chlorotoluene	0.000		0	N.D.		
98) tert-Butylbenzene	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A05.D
Acq On : 06 Feb 2023 09:46 am
Operator : VOA122:PID
Sample : WG1741609-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 06 10:09:20 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230206A\V22230206A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101)	1,2,4-Trimethylbenzene	12.223	105	180	N.D.		
102)	sec-Butylbenzene	12.223	105	180	N.D.		
103)	p-Isopropyltoluene	12.369	119	149	N.D.		
104)	1,3-Dichlorobenzene	12.522	146	296	N.D.		
105)	1,4-Dichlorobenzene	12.522	146	296	N.D.		
106)	p-Diethylbenzene	12.731	119	73	N.D.		
107)	n-Butylbenzene	12.787	91	253	N.D.		
108)	1,2-Dichlorobenzene	0.000		0	N.D.		
109)	1,2,4,5-Tetramethylben...	13.524	119	400	N.D.		
110)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
112)	Hexachlorobutadiene	14.311	225	82	N.D.		
113)	1,2,4-Trichlorobenzene	14.339	180	210	N.D.		
114)	Naphthalene	14.631	128	590	N.D.		
115)	1,2,3-Trichlorobenzene	14.798	180	371	0.078	ug/L #	79

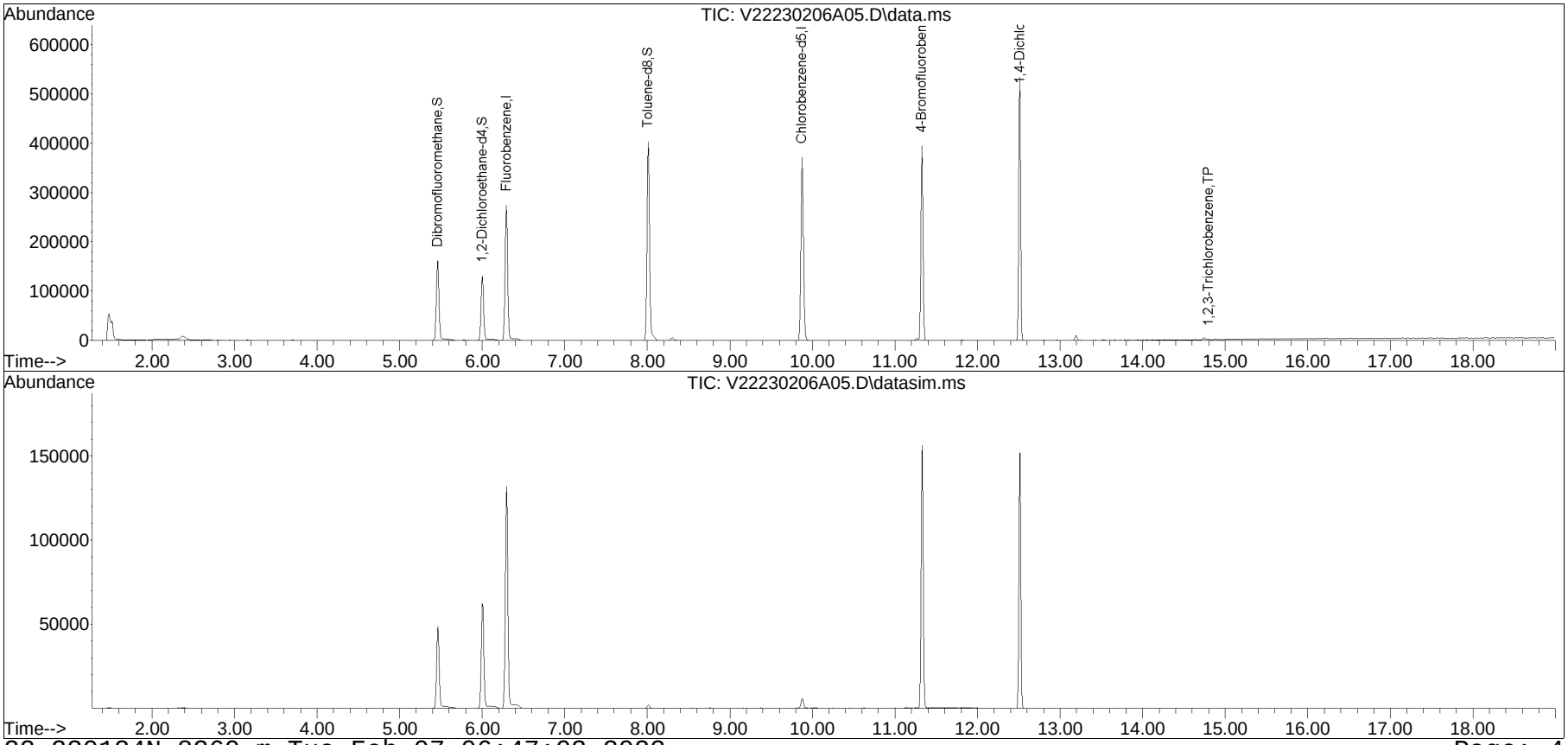
(#) = qualifier out of range (m) = manual integration (+) = signals summed

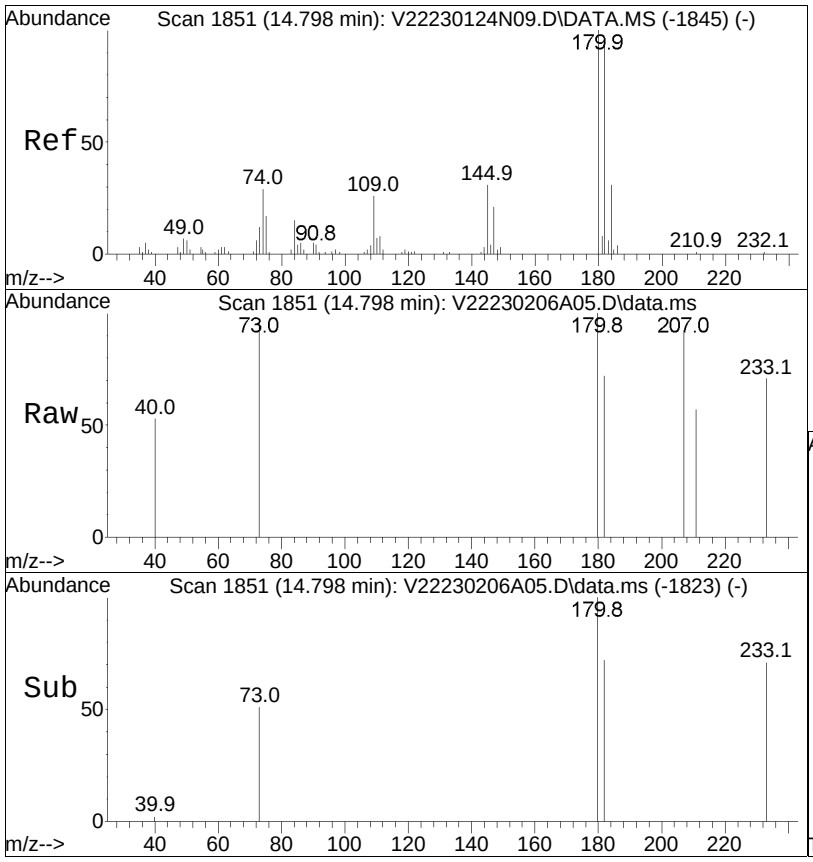
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A05.D
Acq On : 06 Feb 2023 09:46 am
Operator : VOA122:PID
Sample : WG1741609-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 06 10:09:20 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

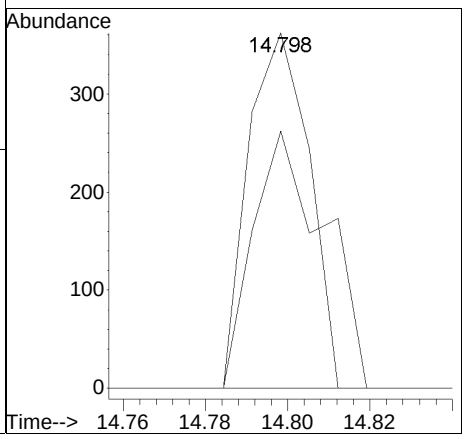




#115
1,2,3-Trichlorobenzene
Concen: 0.08 ug/L
RT: 14.798 min Scan# 1851
Delta R.T. -0.003 min
Lab File: V22230206A05.D
Acq: 06 Feb 2023 09:46 am

Tgt Ion:180 Resp: 371

Ion	Ratio	Lower	Upper
180	100		
182	84.9	76.0	114.0
145	0.0	23.8	35.8#



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2023\2	QMethod	: V122_230124N_8260.m
Data File	: V22230206A05.D	Operator	: VOA122:PID
Date Inj'd	: 2/6/2023 9:46 am	Instrument	: VOA122
Sample	: WG1741609-5,31,10,10	Quant Date	: 2/6/2023 10:08 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A01.D
Acq On : 06 Feb 2023 08:07 am
Operator : VOA122:PID
Sample : WG1741609-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 08:33:59 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.292	96	308167	10.000	ug/L		0.00
62) Chlorobenzene-d5	9.874	117	247621	10.000	ug/L		0.00
83) 1,4-Dichlorobenzene-d4	12.508	152	143234	10.000	ug/L		0.00
System Monitoring Compounds							
38) Dibromofluoromethane	5.460	113	109893	11.219	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.19%				
46) 1,2-Dichloroethane-d4	6.004	65	123387	11.061	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.61%				
63) Toluene-d8	8.009	98	333507	10.281	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.81%				
87) 4-Bromofluorobenzene	11.325	95	137870	9.925	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.25%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.689	85	58181	8.611	ug/L		99
3) Chloromethane	1.891	50	57083	9.452	ug/L		98
4) Vinyl chloride	1.975	62	46119	10.250	ug/L		97
5) Bromomethane	2.317	94	21830	10.328	ug/L		91
6) Chloroethane	2.442	64	30926	9.647	ug/L		99
7) Trichlorofluoromethane	2.595	101	87203	10.198	ug/L		99
8) Ethyl ether	2.916	74	13730	9.229	ug/L	#	1
10) 1,1-Dichloroethene	3.125	96	42045	10.089	ug/L	#	72
11) Carbon disulfide	3.160	76	135195	9.559	ug/L		99
15) Methylene chloride	3.704	84	47873	10.334	ug/L		82
17) Acetone	3.746	43	7574	11.376	ug/L		98
18) trans-1,2-Dichloroethene	3.871	96	43925	9.679	ug/L		80
21) Methyl tert-butyl ether	3.969	73	62293	8.970	ug/L		94
25) 1,1-Dichloroethane	4.477	63	92151	9.614	ug/L		97
27) Acrylonitrile	4.519	53	8861	9.945	ug/L		95
29) Vinyl acetate	4.708	43	46456	10.947	ug/L		95
30) cis-1,2-Dichloroethene	5.007	96	50108	10.178	ug/L	#	81
31) 2,2-Dichloropropane	5.119	77	84367	10.437	ug/L		97
32) Bromochloromethane	5.202	128	20354	9.946	ug/L	#	76
34) Chloroform	5.279	83	96725	10.428	ug/L		95
36) Carbon tetrachloride	5.426	117	72240	10.070	ug/L		98
39) 1,1,1-Trichloroethane	5.495	97	80744	9.985	ug/L		97
41) 2-Butanone	5.572	43	7518	9.375	ug/L	#	59
42) 1,1-Dichloropropene	5.614	75	53415	8.866	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A01.D
Acq On : 06 Feb 2023 08:07 am
Operator : VOA122:PID
Sample : WG1741609-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 08:33:59 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) Benzene	5.871	78	142634	9.156	ug/L		95
47) 1,2-Dichloroethane	6.070	62	59609	9.513	ug/L		97
51) Trichloroethene	6.469	95	43647	9.027	ug/L	#	85
53) Dibromomethane	6.918	93	22676	9.650	ug/L	#	85
54) 1,2-Dichloropropane	7.029	63	36011	8.800	ug/L	#	94
57) Bromodichloromethane	7.095	83	59194	9.389	ug/L	#	97
60) 1,4-Dioxane	7.309	88	13715	597.574	ug/L	#	75
61) cis-1,3-Dichloropropene	7.795	75	57704	9.329	ug/L		94
64) Toluene	8.075	92	99900	9.072	ug/L		96
65) 4-Methyl-2-pentanone	8.495	58	4140	8.164	ug/L		93
66) Tetrachloroethene	8.526	166	39195	9.110	ug/L		90
68) trans-1,3-Dichloropropene	8.549	75	56413	8.877	ug/L		97
71) 1,1,2-Trichloroethane	8.740	83	18675	8.237	ug/L		97
72) Chlorodibromomethane	8.954	129	29373	7.805	ug/L		92
73) 1,3-Dichloropropane	9.073	76	43858	8.612	ug/L		99
74) 1,2-Dibromoethane	9.247	107	24655	9.218	ug/L		93
76) 2-Hexanone	9.517	43	10363	7.894	ug/L		94
77) Chlorobenzene	9.897	112	108018	9.067	ug/L		88
78) Ethylbenzene	9.937	91	206093	9.146	ug/L		96
79) 1,1,1,2-Tetrachloroethane	9.977	131	31550	8.449	ug/L		96
80) p/m Xylene	10.120	106	159082	19.054	ug/L		86
81) o Xylene	10.643	106	152448	18.856	ug/L		85
82) Styrene	10.706	104	249620	19.012	ug/L	#	86
84) Bromoform	10.730	173	18950	8.025	ug/L		99
86) Isopropylbenzene	11.016	105	213218	9.043	ug/L		93
88) Bromobenzene	11.444	156	46091	8.846	ug/L		97
89) n-Propylbenzene	11.476	91	265300	9.065	ug/L		94
91) 1,1,2,2-Tetrachloroethane	11.555	83	24850	8.708	ug/L		99
92) 4-Ethyltoluene	11.602	105	216998	9.143	ug/L		95
93) 2-Chlorotoluene	11.642	91	151732M6	8.928	ug/L		
94) 1,3,5-Trimethylbenzene	11.698	105	162640	8.376	ug/L		93
95) 1,2,3-Trichloropropane	11.698	75	22847	8.306	ug/L		94
96) trans-1,4-Dichloro-2-b...	11.745	53	8716	8.518	ug/L		88
97) 4-Chlorotoluene	11.825	91	165189	9.144	ug/L		89
98) tert-Butylbenzene	12.035	119	180805	9.082	ug/L	#	84
101) 1,2,4-Trimethylbenzene	12.104	105	158137	8.409	ug/L		91
102) sec-Butylbenzene	12.216	105	224443	9.181	ug/L		94
103) p-Isopropyltoluene	12.369	119	183712	9.070	ug/L		91
104) 1,3-Dichlorobenzene	12.432	146	91673	9.132	ug/L		96
105) 1,4-Dichlorobenzene	12.529	146	89025	8.901	ug/L	#	93

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A01.D
Acq On : 06 Feb 2023 08:07 am
Operator : VOA122:PID
Sample : WG1741609-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 08:33:59 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) p-Diethylbenzene	12.731	119	100311	8.558	ug/L	95
107) n-Butylbenzene	12.793	91	158617	8.810	ug/L	97
108) 1,2-Dichlorobenzene	12.947	146	78551	8.901	ug/L	95
109) 1,2,4,5-Tetramethylben...	13.517	119	133987	8.634	ug/L	93
110) 1,2-Dibromo-3-chloropr...	13.712	155	4727	9.025	ug/L	96
112) Hexachlorobutadiene	14.318	225	29682	9.373	ug/L	98
113) 1,2,4-Trichlorobenzene	14.339	180	51701	8.846	ug/L	98
114) Naphthalene	14.631	128	92491	8.442	ug/L	100
115) 1,2,3-Trichlorobenzene	14.798	180	44969	8.923	ug/L	99

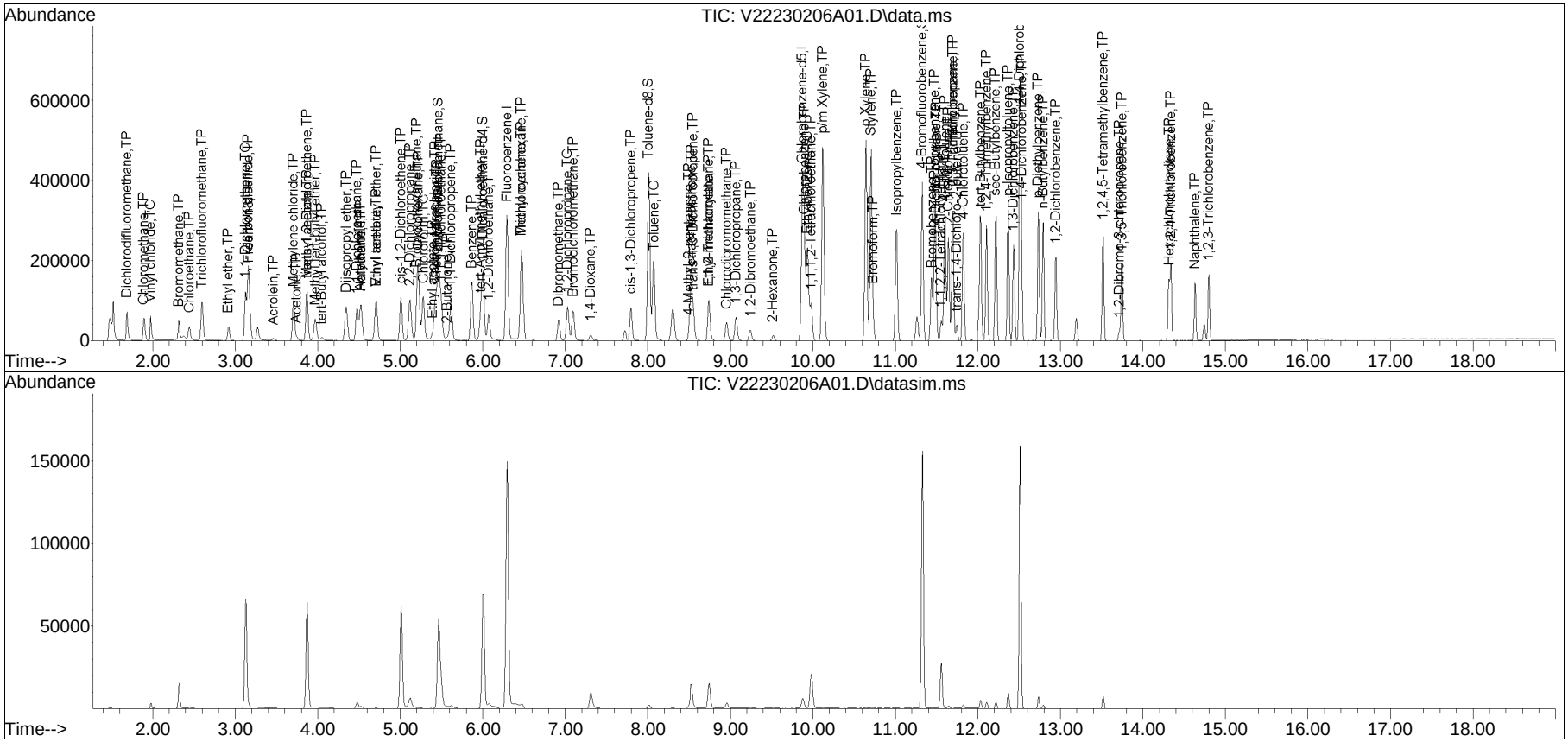
(#) = qualifier out of range (m) = manual integration (+) = signals summed

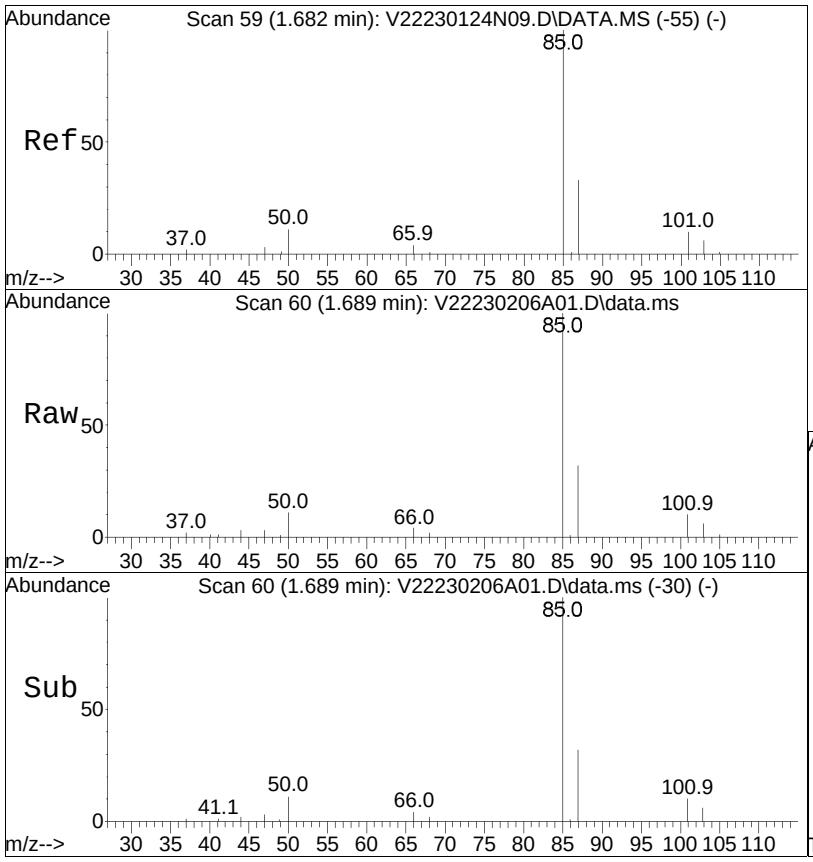
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A01.D
Acq On : 06 Feb 2023 08:07 am
Operator : VOA122:PID
Sample : WG1741609-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 08:33:59 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

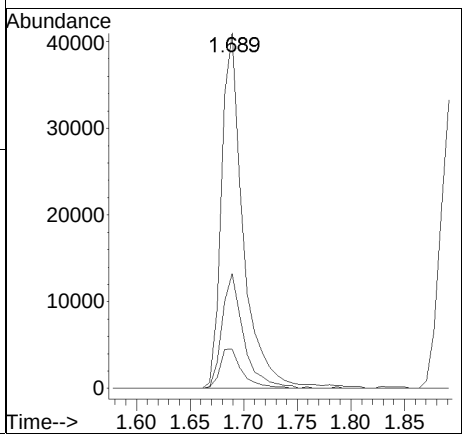


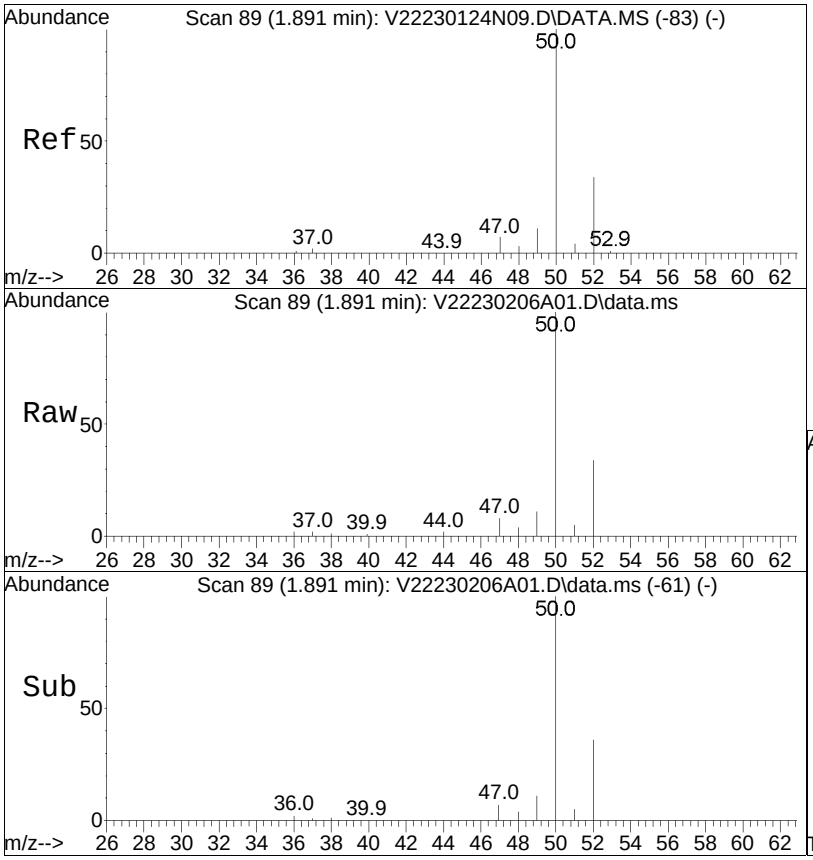


#2
Dichlorodifluoromethane
Concen: 8.61 ug/L
RT: 1.689 min Scan# 60
Delta R.T. 0.007 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 85 Resp: 58181

Ion	Ratio	Lower	Upper
85	100		
87	31.9	20.7	42.9
50	11.3	6.8	14.2

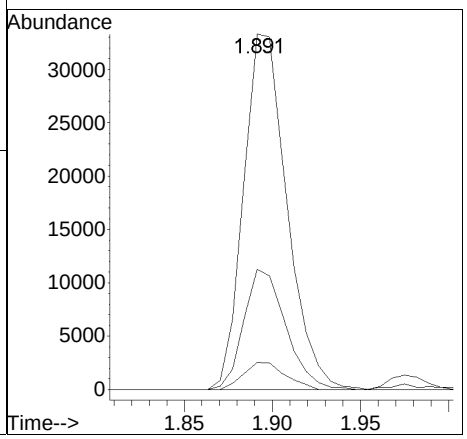


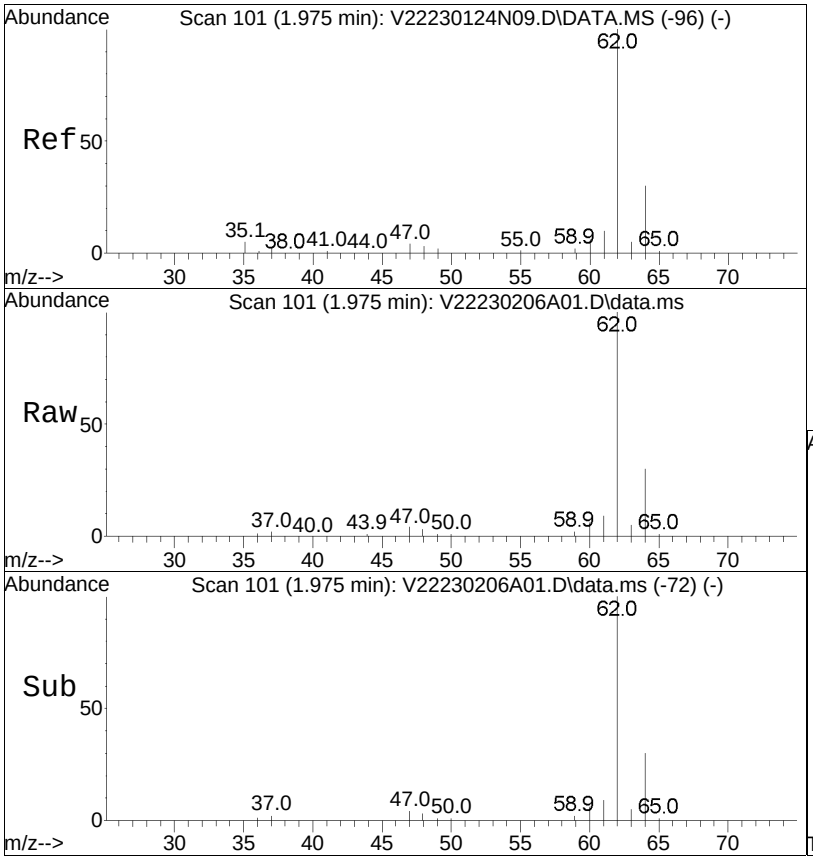


#3
Chloromethane
Concen: 9.45 ug/L
RT: 1.891 min Scan# 89
Delta R.T. -0.007 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 50 Resp: 57083

Ion	Ratio	Lower	Upper
50	100		
52	32.6	12.8	52.8
47	7.3	0.0	30.0

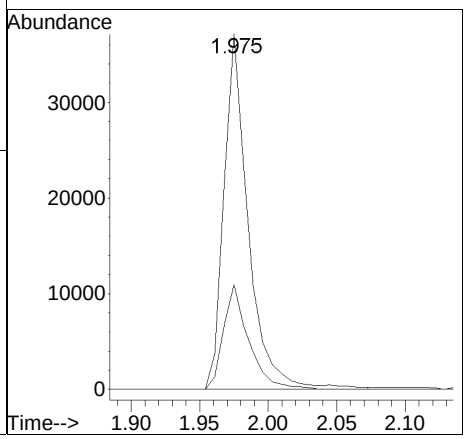


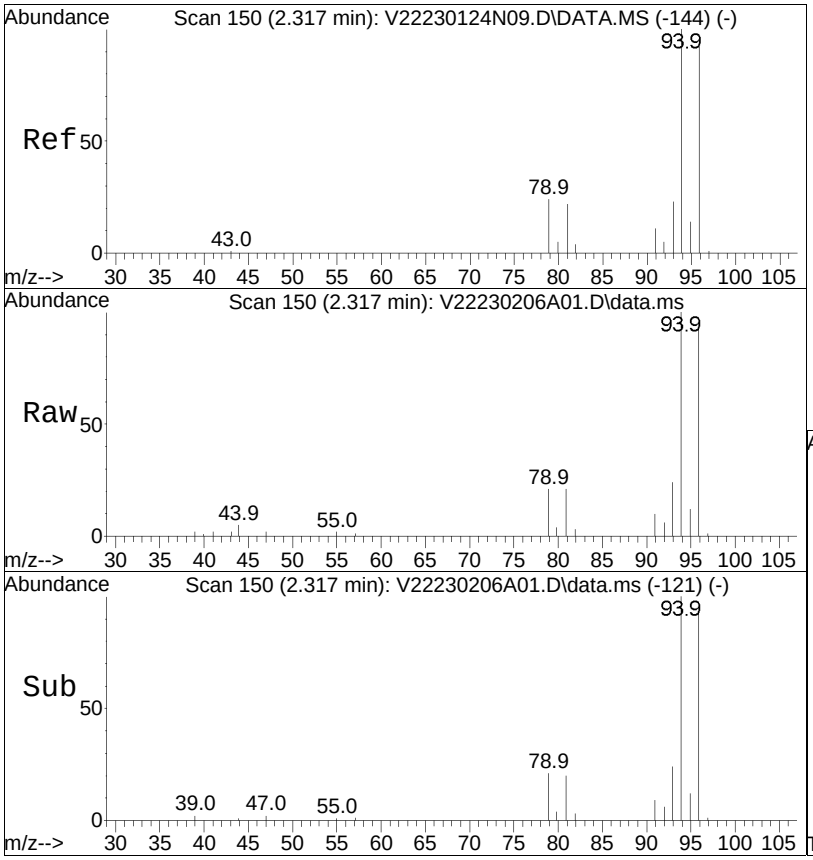


#4
Vinyl chloride
Concen: 10.25 ug/L
RT: 1.975 min Scan# 101
Delta R.T. -0.000 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 62 Resp: 46119

Ion	Ratio	Lower	Upper
62	100		
64	30.5	12.0	52.0

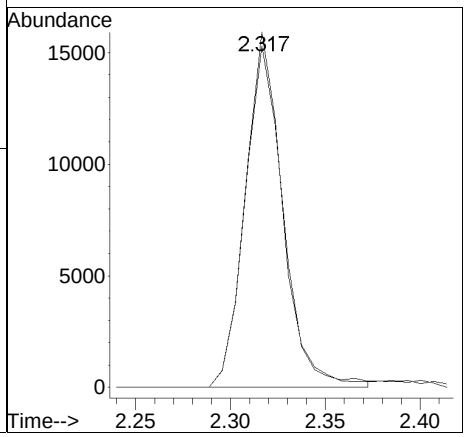


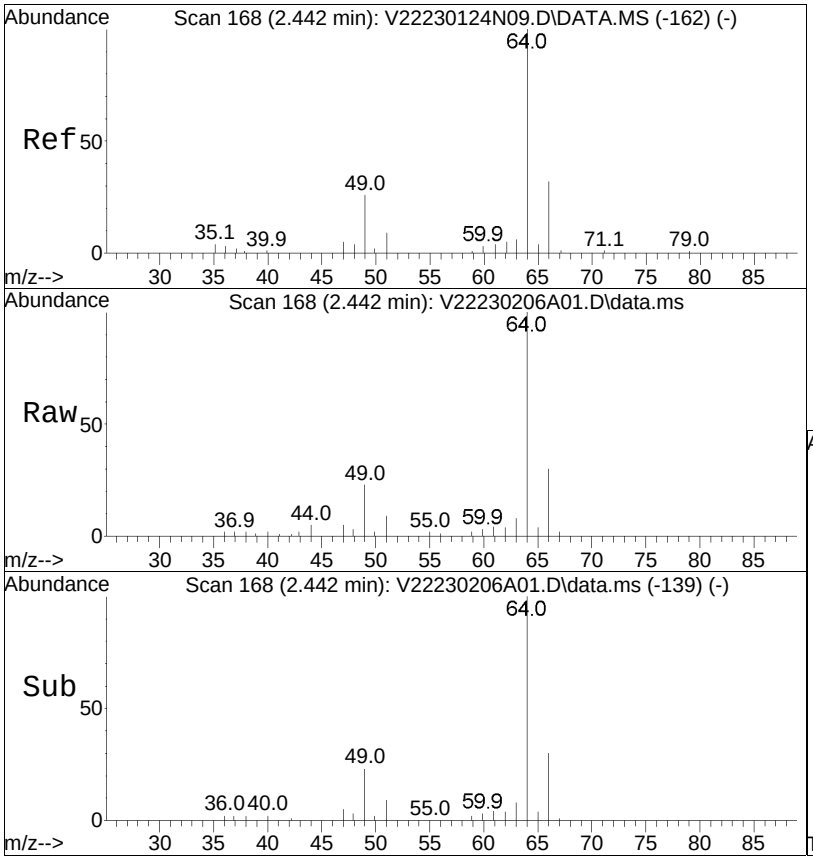


#5
Bromomethane
Concen: 10.33 ug/L
RT: 2.317 min Scan# 150
Delta R.T. -0.000 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 94 Resp: 21830

Ion	Ratio	Lower	Upper
94	100		
96	101.4	72.8	112.8

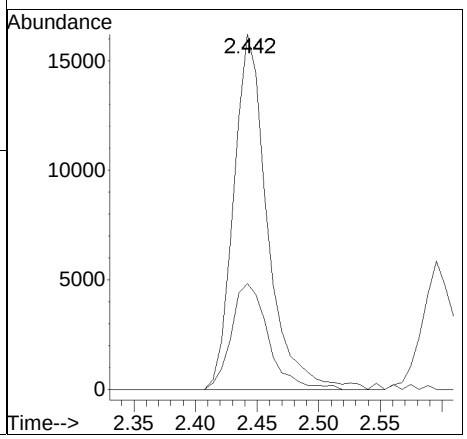


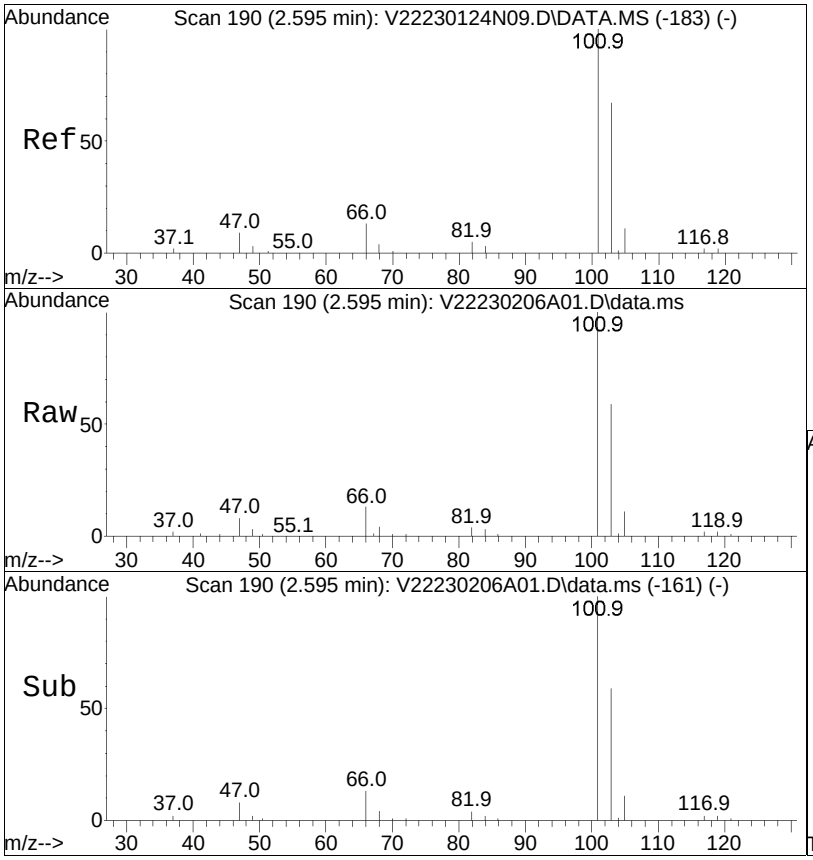


#6
Chloroethane
Concen: 9.65 ug/L
RT: 2.442 min Scan# 168
Delta R.T. 0.000 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 64 Resp: 30926

Ion	Ratio	Lower	Upper
64	100		
66	32.6	12.2	52.2

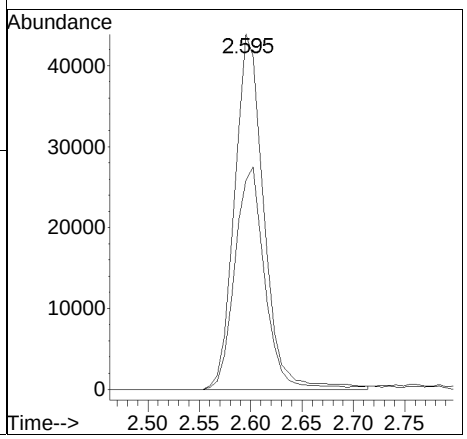


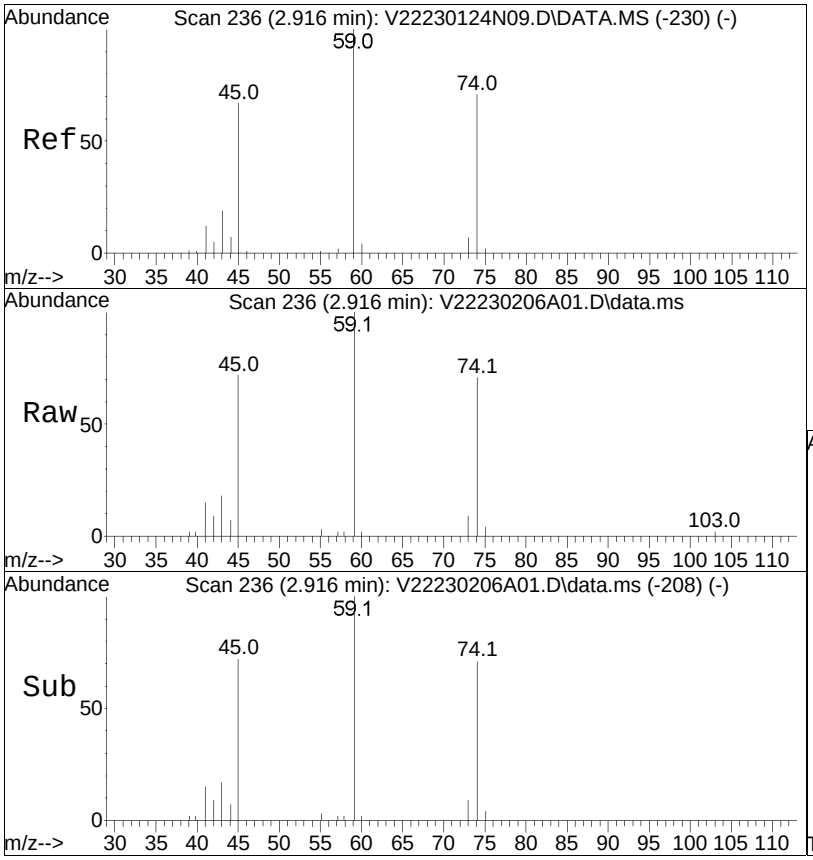


#7
Trichlorofluoromethane
Concen: 10.20 ug/L
RT: 2.595 min Scan# 190
Delta R.T. 0.000 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:101 Resp: 87203

Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.6	77.4

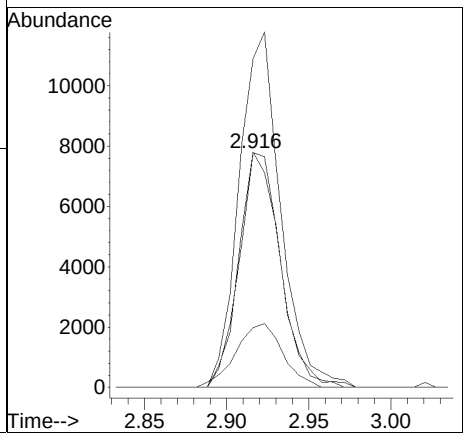


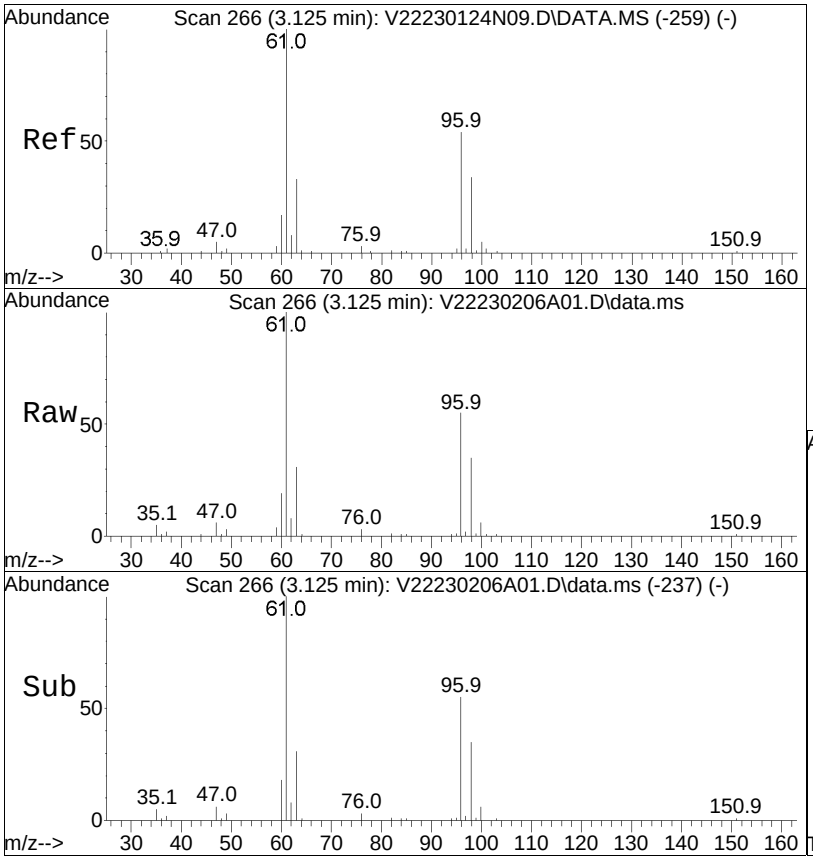


#8
Ethyl ether
Concen: 9.23 ug/L
RT: 2.916 min Scan# 236
Delta R.T. -0.007 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 74 Resp: 13730

Ion	Ratio	Lower	Upper
74	100		
59	151.0	2122.4	4408.0#
45	98.7	1435.1	2980.5#
43	30.7	407.9	847.3#

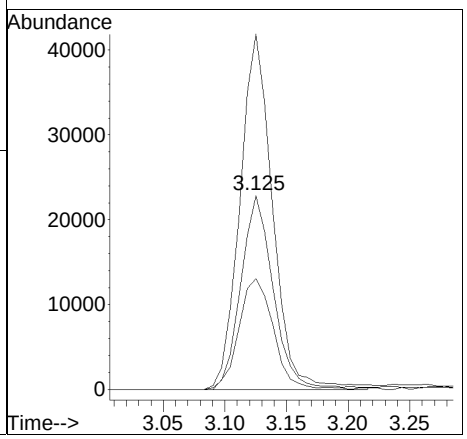


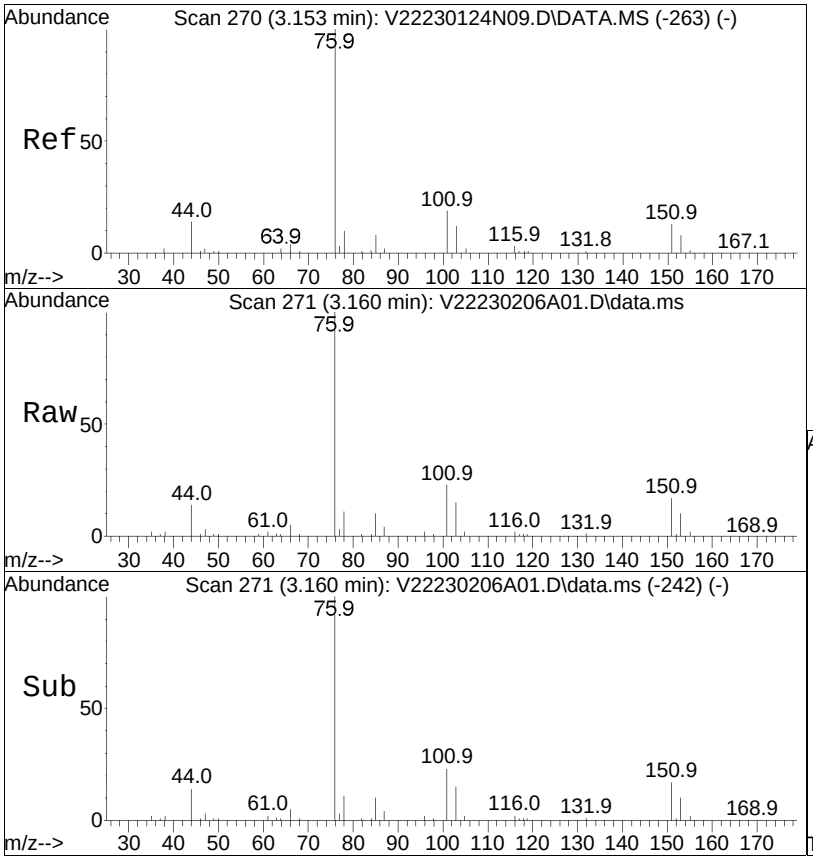


#10
1,1-Dichloroethene
Concen: 10.09 ug/L
RT: 3.125 min Scan# 266
Delta R.T. 0.000 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 96 Resp: 42045

Ion	Ratio	Lower	Upper
96	100		
61	184.5	117.0	175.4#
63	60.3	37.8	56.6#

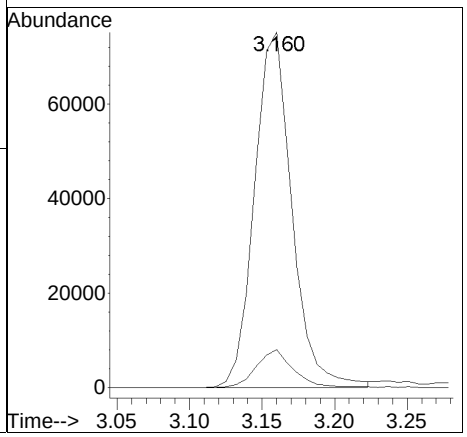


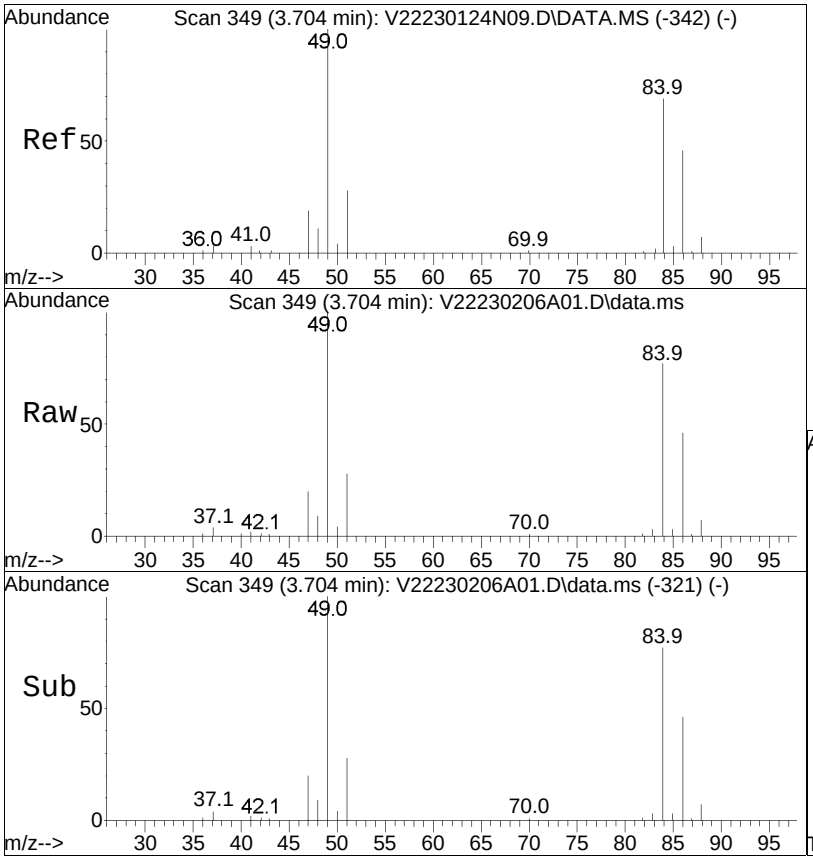


#11
Carbon disulfide
Concen: 9.56 ug/L
RT: 3.160 min Scan# 271
Delta R.T. 0.000 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 76 Resp: 135195

Ion	Ratio	Lower	Upper
76	100		
78	10.5	6.4	13.4

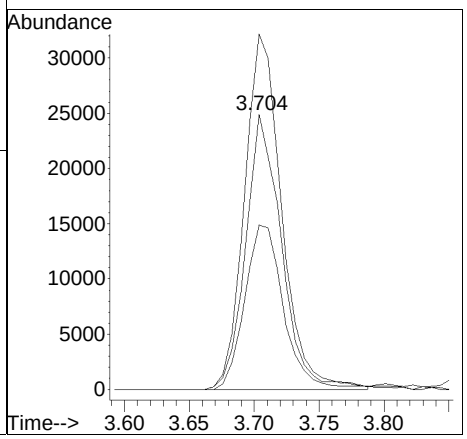


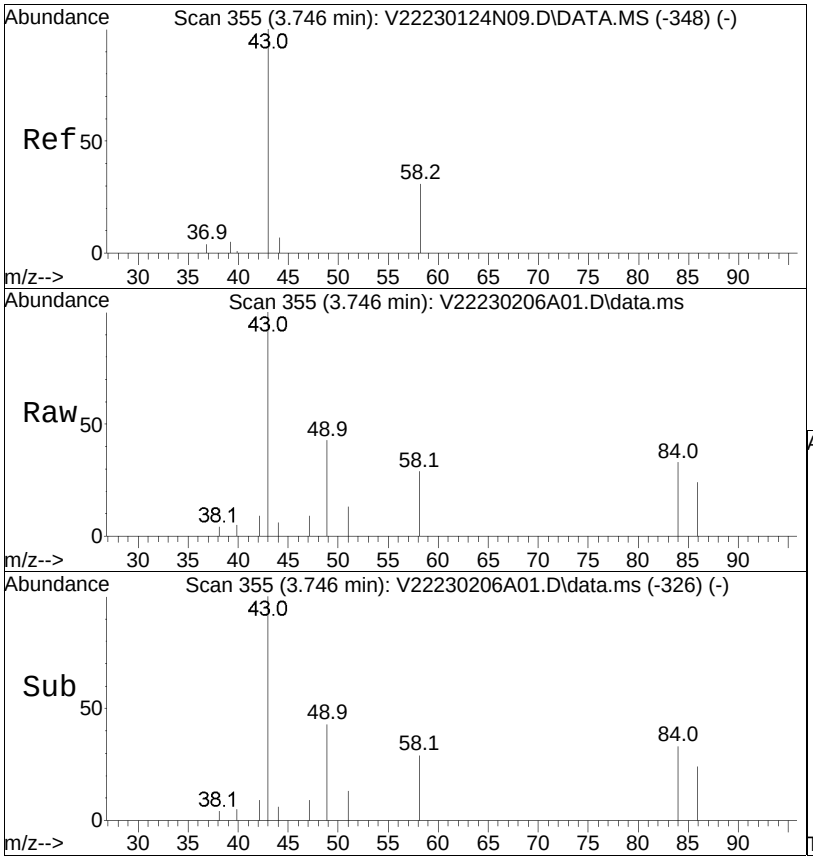


#15
Methylene chloride
Concen: 10.33 ug/L
RT: 3.704 min Scan# 349
Delta R.T. -0.007 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 84 Resp: 47873

Ion	Ratio	Lower	Upper
84	100		
86	65.4	41.5	86.3
49	133.8	68.8	143.0

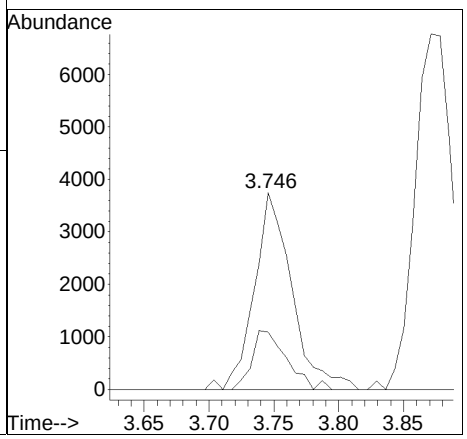


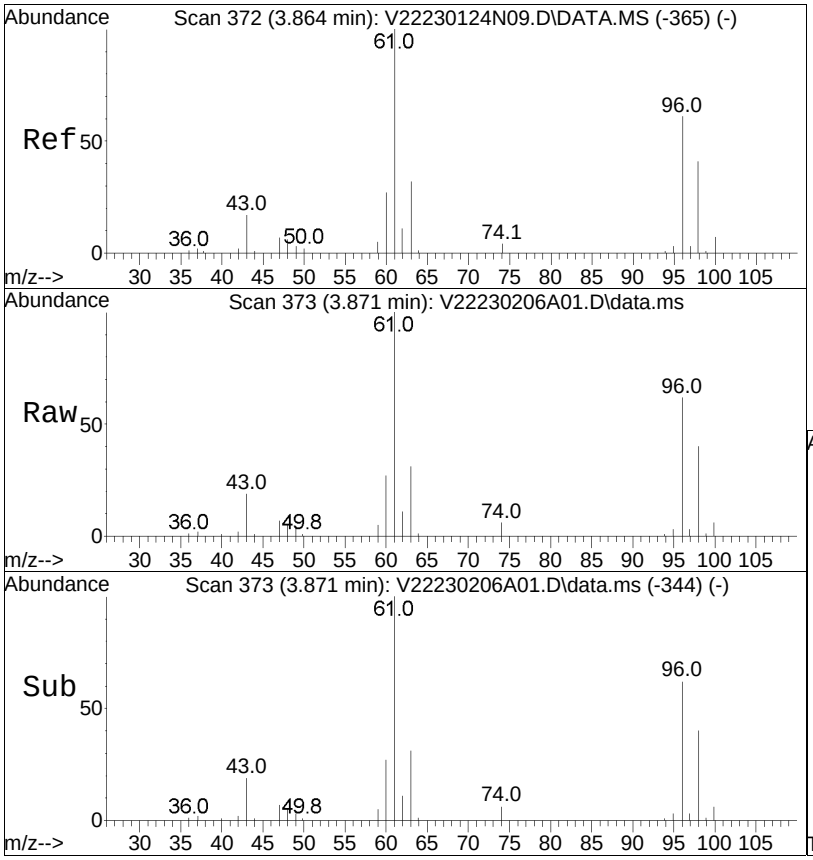


#17
Acetone
Concen: 11.38 ug/L
RT: 3.746 min Scan# 355
Delta R.T. -0.000 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 43 Resp: 7574

Ion	Ratio	Lower	Upper
43	100		
58	27.6	23.1	34.7

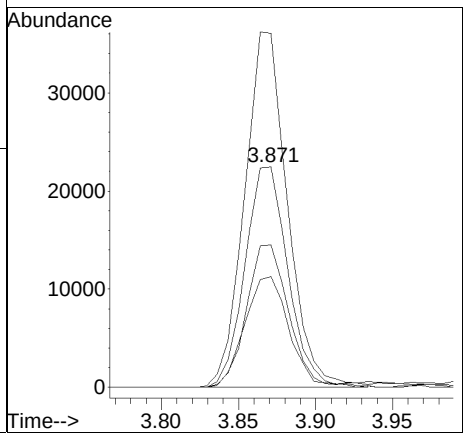


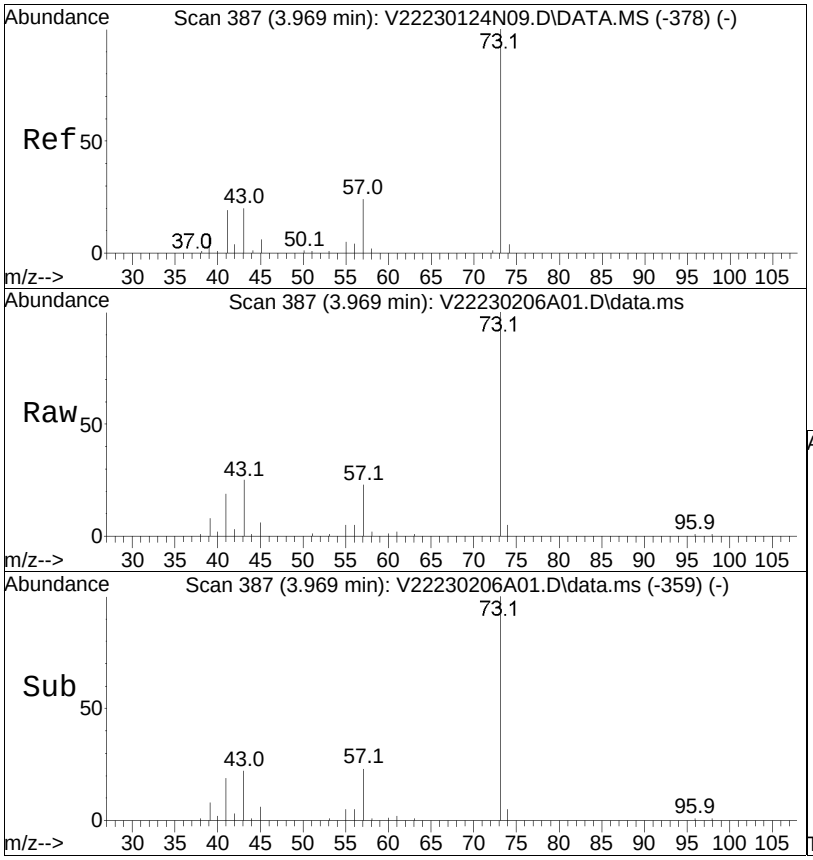


#18
trans-1,2-Dichloroethene
Concen: 9.68 ug/L
RT: 3.871 min Scan# 373
Delta R.T. 0.000 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 96 Resp: 43925

Ion	Ratio	Lower	Upper
96	100		
61	159.2	81.6	169.6
98	63.1	41.8	86.8
63	51.7	26.3	54.7

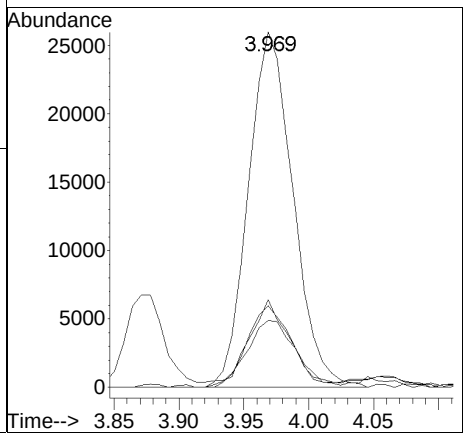


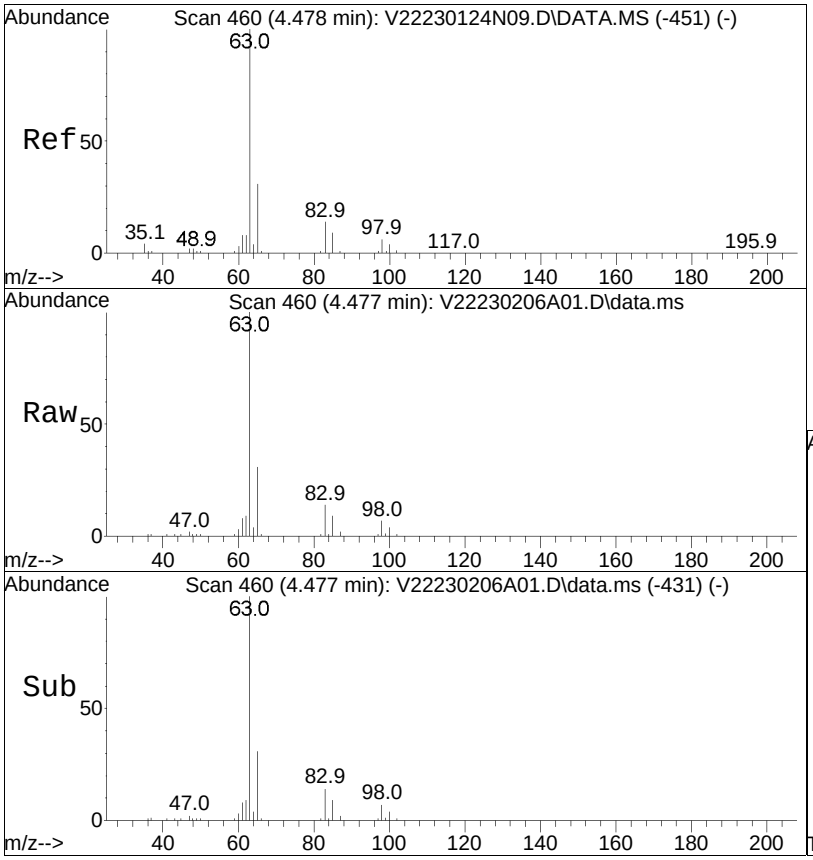


#21
Methyl tert-butyl ether
Concen: 8.97 ug/L
RT: 3.969 min Scan# 387
Delta R.T. -0.007 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 73 Resp: 62293

Ion	Ratio	Lower	Upper
73	100		
57	23.3	13.6	28.2
43	22.5	12.7	26.5
41	20.2	11.4	23.8

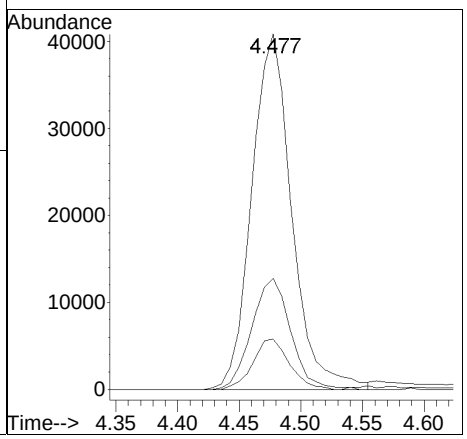


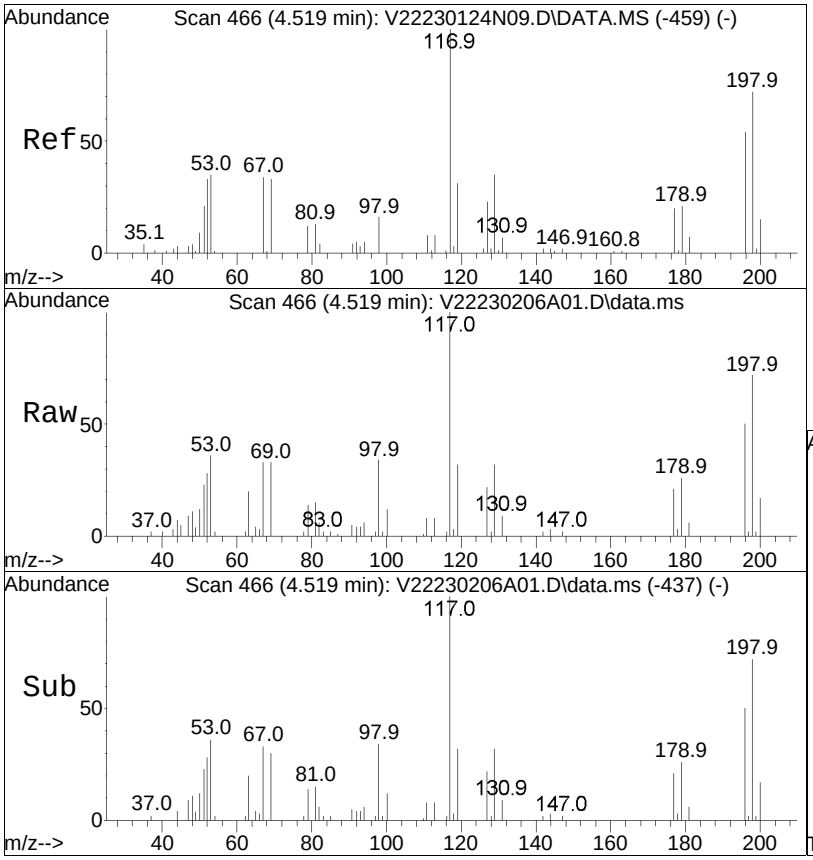


#25
1,1-Dichloroethane
Concen: 9.61 ug/L
RT: 4.477 min Scan# 460
Delta R.T. -0.001 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 63 Resp: 92151

Ion	Ratio	Lower	Upper
63	100		
65	30.2	11.9	51.9
83	12.9	0.0	34.2

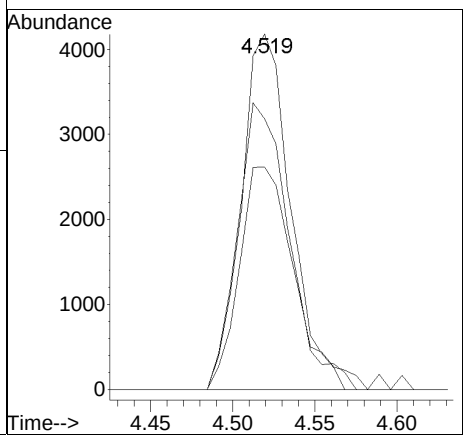


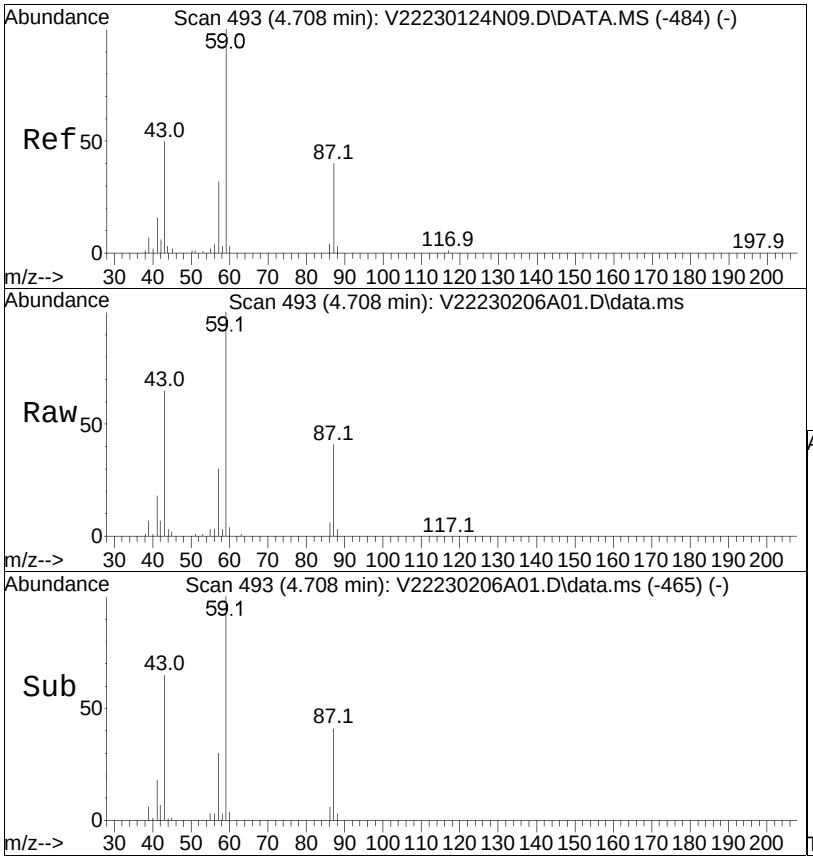


#27
Acrylonitrile
Concen: 9.95 ug/L
RT: 4.519 min Scan# 466
Delta R.T. 0.000 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 53 Resp: 8861

Ion	Ratio	Lower	Upper
53	100		
52	83.3	63.8	95.8
51	67.7	50.2	75.4

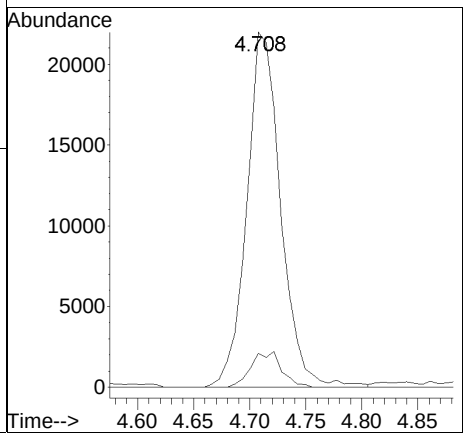


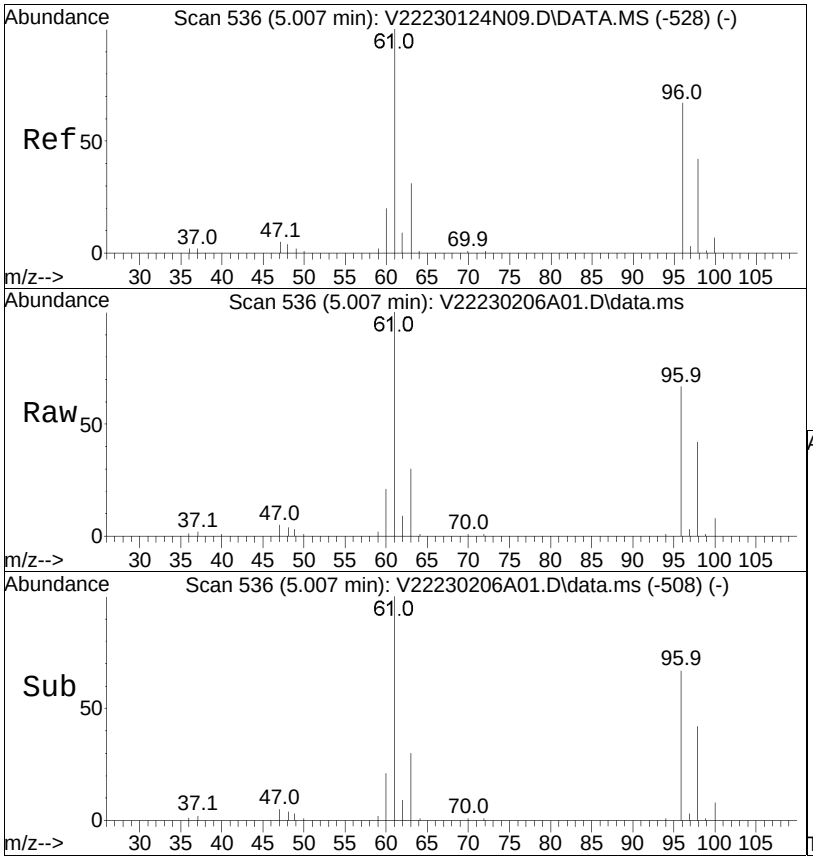


#29
Vinyl acetate
Concen: 10.95 ug/L
RT: 4.708 min Scan# 493
Delta R.T. -0.007 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 43 Resp: 46456

Ion	Ratio	Lower	Upper
43	100		
86	9.1	8.9	13.3

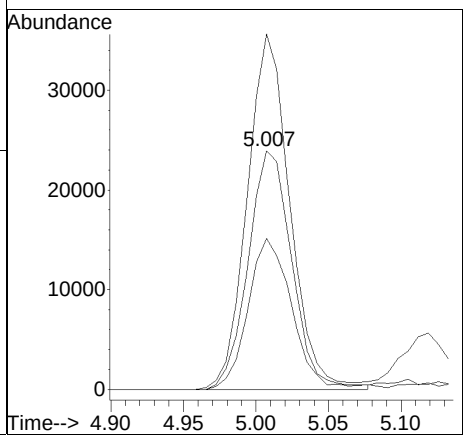


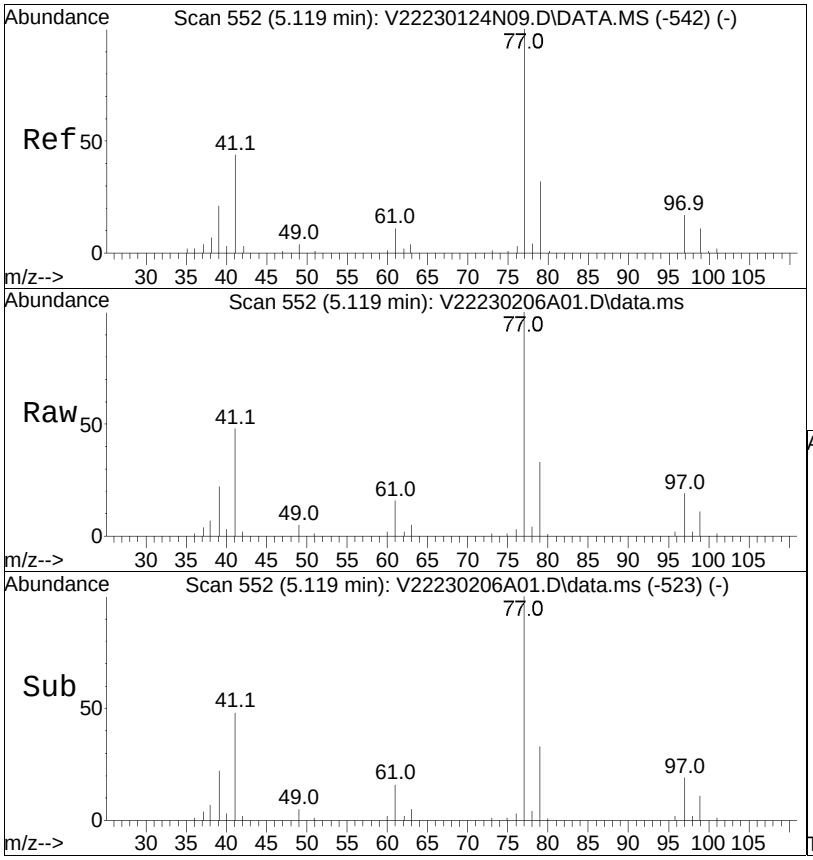


#30
cis-1,2-Dichloroethene
Concen: 10.18 ug/L
RT: 5.007 min Scan# 536
Delta R.T. -0.008 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 96 Resp: 50108

Ion	Ratio	Lower	Upper
96	100		
61	144.9	90.3	135.5#
98	63.9	50.8	76.2

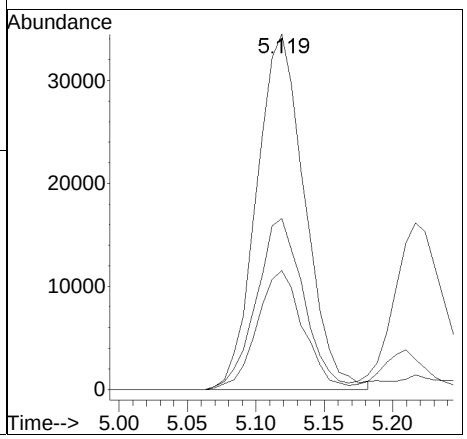


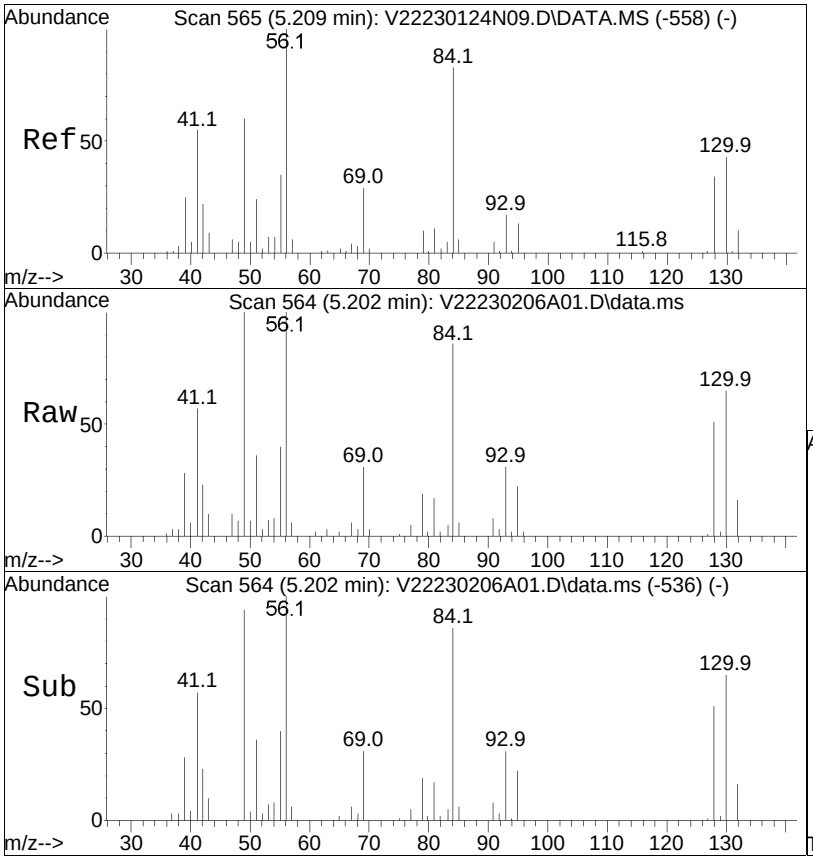


#31
2,2-Dichloropropane
Concen: 10.44 ug/L
RT: 5.119 min Scan# 552
Delta R.T. 0.001 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 77 Resp: 84367

Ion	Ratio	Lower	Upper
77	100		
41	47.1	32.3	67.1
79	32.0	21.1	43.7

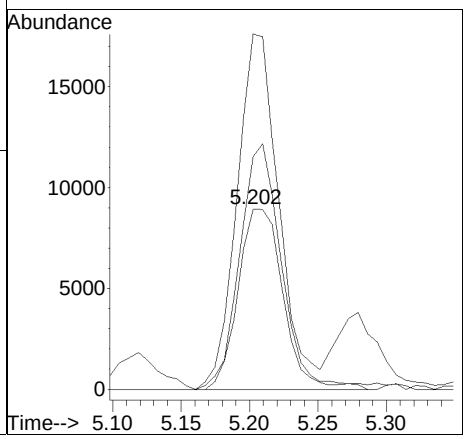


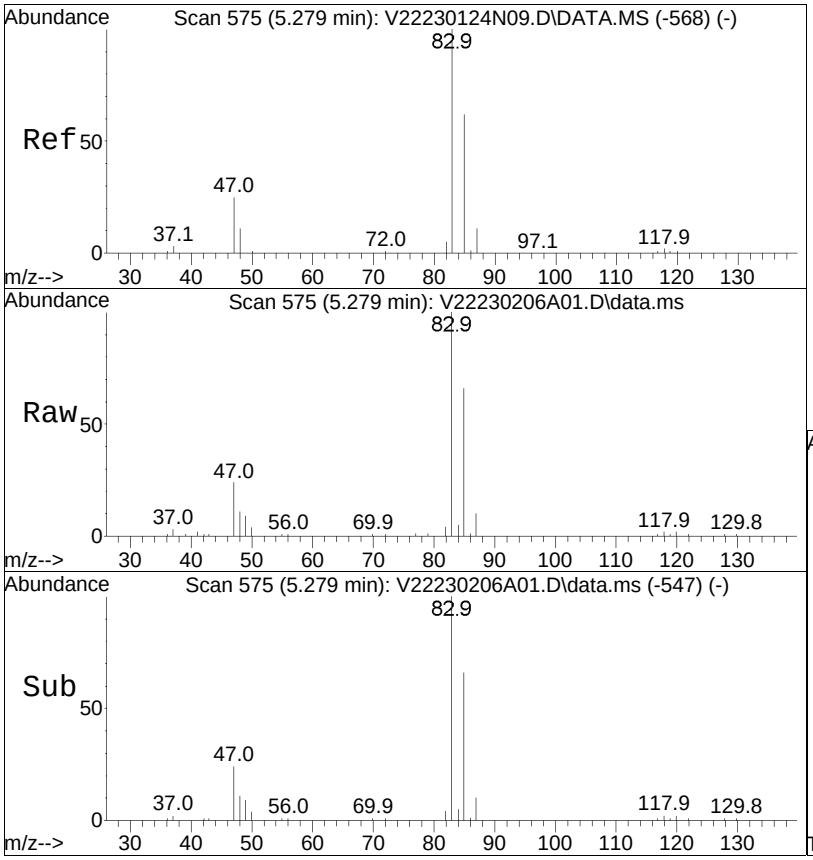


#32
Bromochloromethane
Concen: 9.95 ug/L
RT: 5.202 min Scan# 564
Delta R.T. -0.005 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:128 Resp: 20354

Ion	Ratio	Lower	Upper
128	100		
49	183.8	104.4	156.6#
130	126.8	103.9	155.9

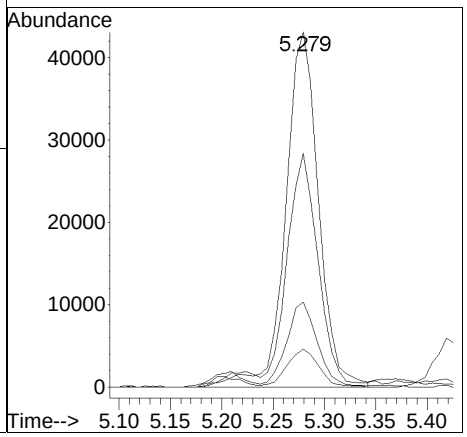


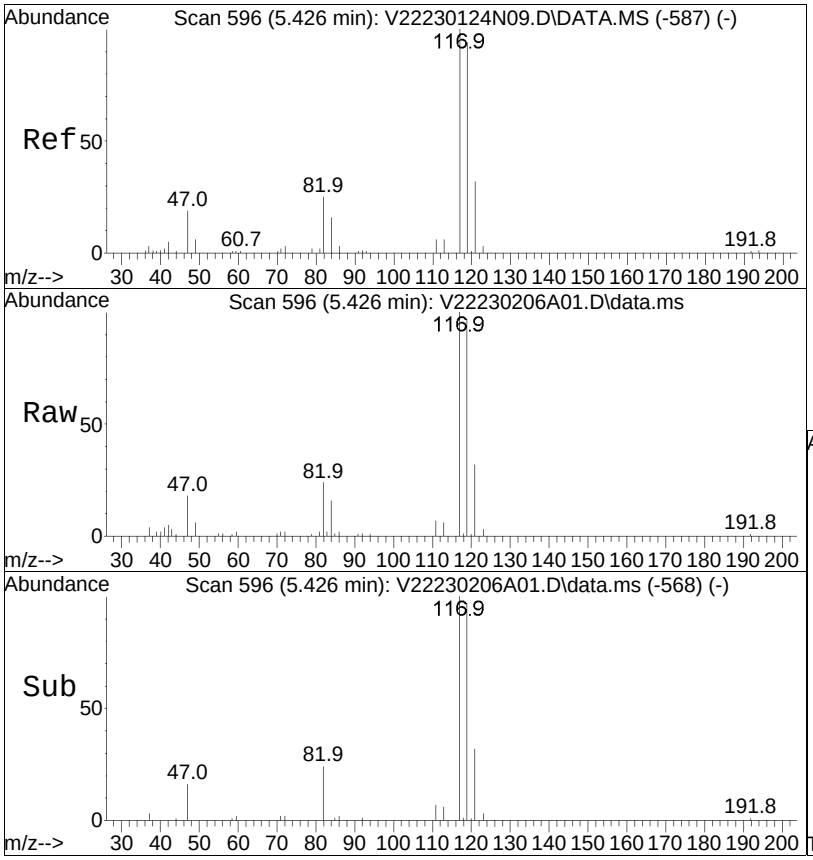


#34
Chloroform
Concen: 10.43 ug/L
RT: 5.279 min Scan# 575
Delta R.T. -0.002 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 83 Resp: 96725

Ion	Ratio	Lower	Upper
83	100		
85	59.2	42.4	88.2
47	21.3	14.0	29.0
48	10.6	6.9	14.3

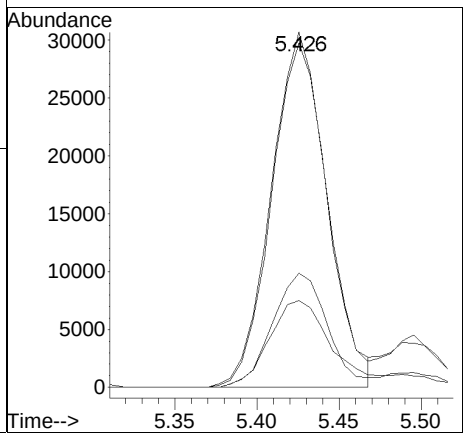


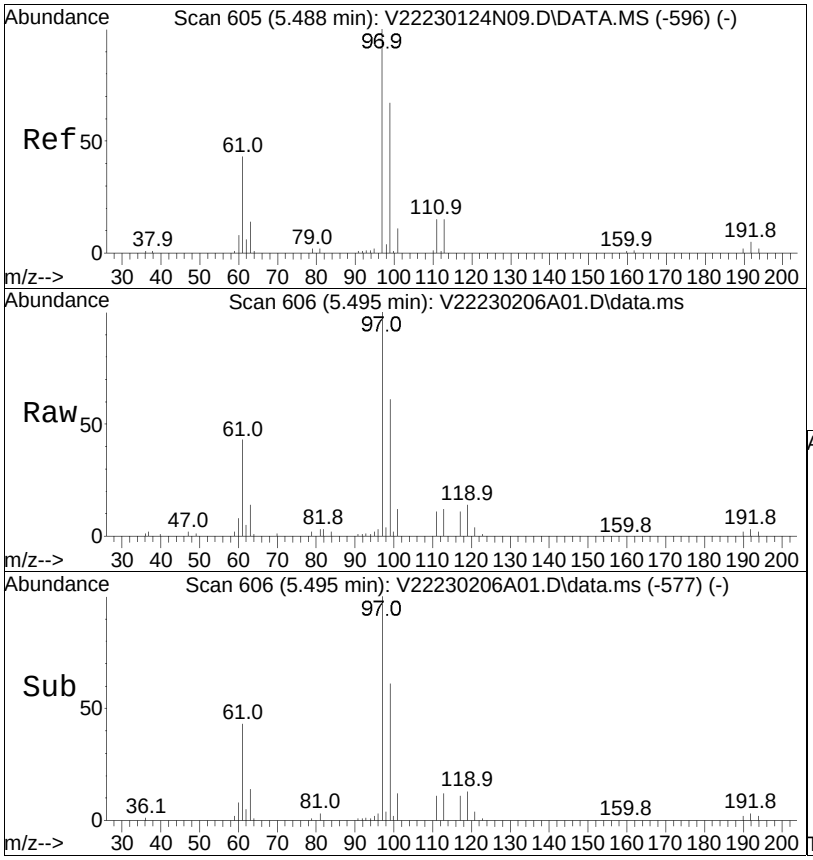


#36
Carbon tetrachloride
Concen: 10.07 ug/L
RT: 5.426 min Scan# 596
Delta R.T. -0.002 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:117 Resp: 72240

Ion	Ratio	Lower	Upper
117	100		
119	96.9	62.1	129.1
121	32.2	20.3	42.3
82	27.2	15.4	32.0

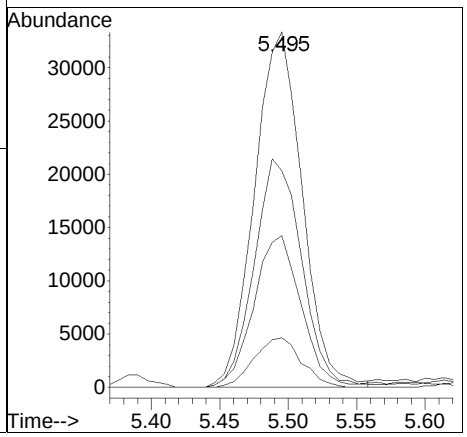


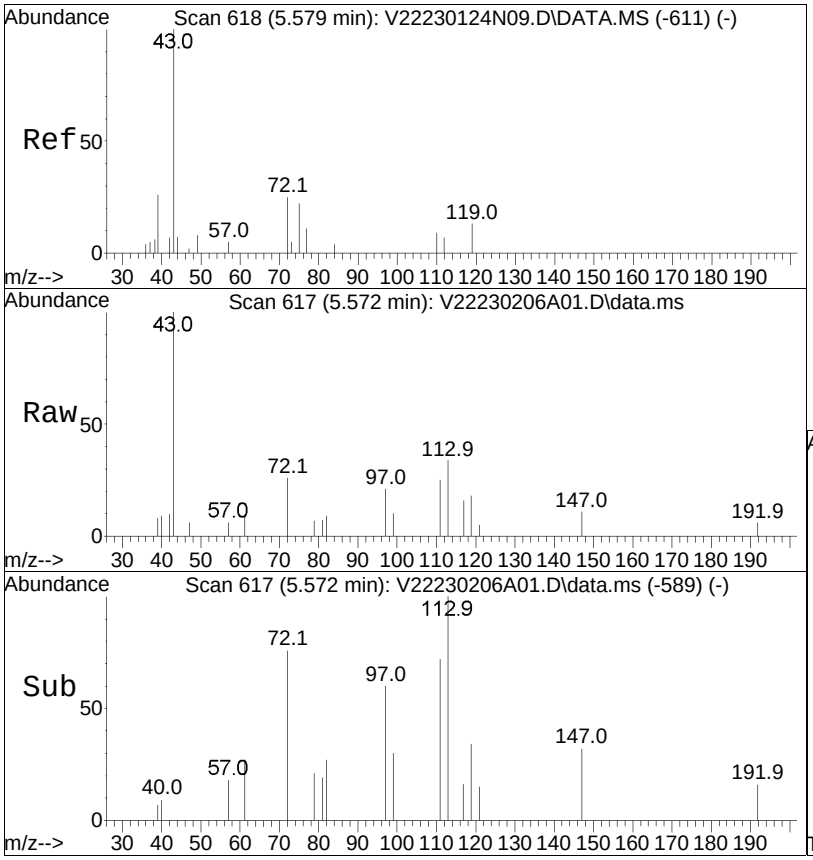


#39
1,1,1-Trichloroethane
Concen: 9.98 ug/L
RT: 5.495 min Scan# 606
Delta R.T. 0.000 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 97 Resp: 80744

Ion	Ratio	Lower	Upper
97	100		
99	64.0	42.4	88.0
61	42.8	26.0	54.0
63	14.0	8.3	17.3

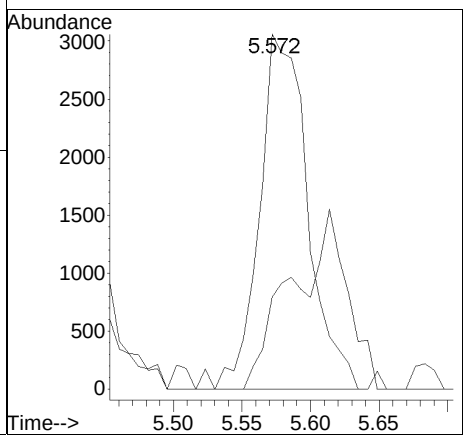


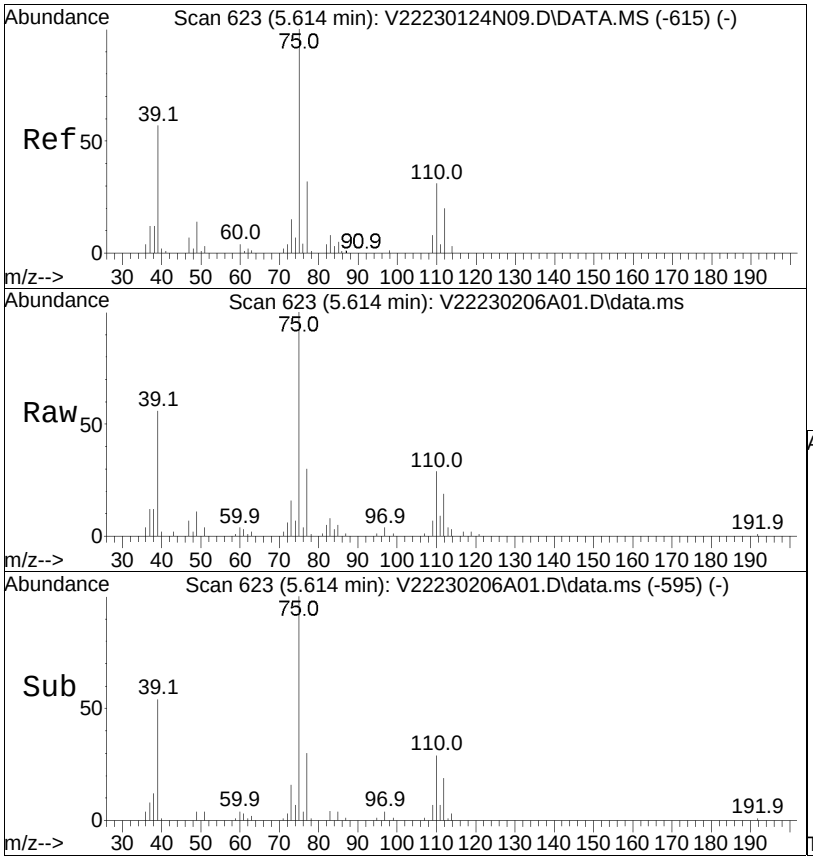


#41
2-Butanone
Concen: 9.37 ug/L
RT: 5.572 min Scan# 617
Delta R.T. -0.004 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 43 Resp: 7518

Ion	Ratio	Lower	Upper
43	100		
72	27.1	45.8	68.8#

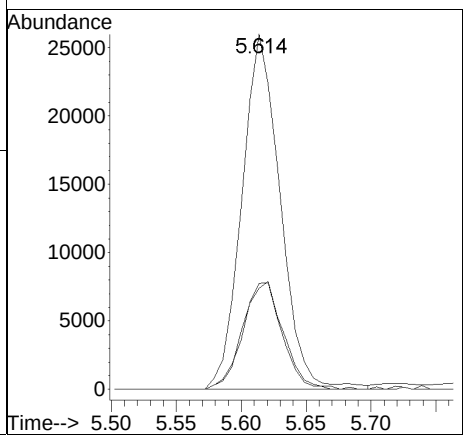


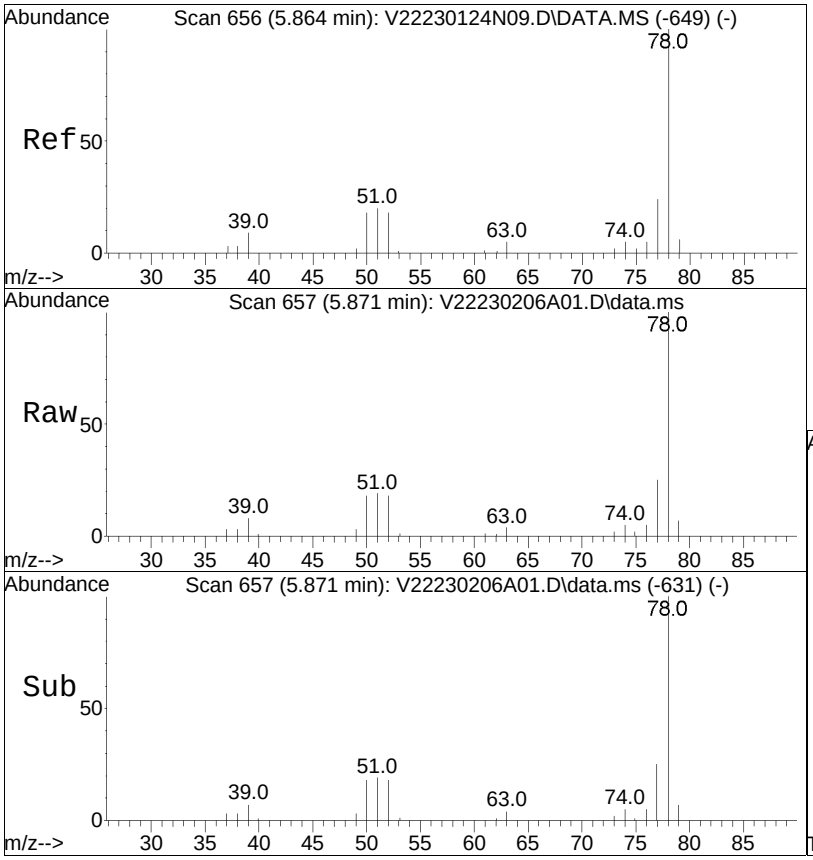


#42
1,1-Dichloropropene
Concen: 8.87 ug/L
RT: 5.614 min Scan# 623
Delta R.T. -0.006 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 75 Resp: 53415

Ion	Ratio	Lower	Upper
75	100		
110	31.7	25.4	52.8
77	31.1	20.3	42.1

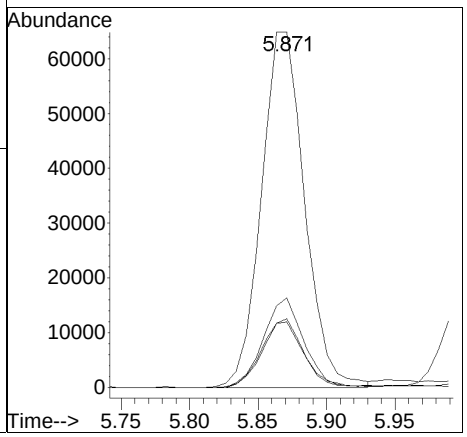


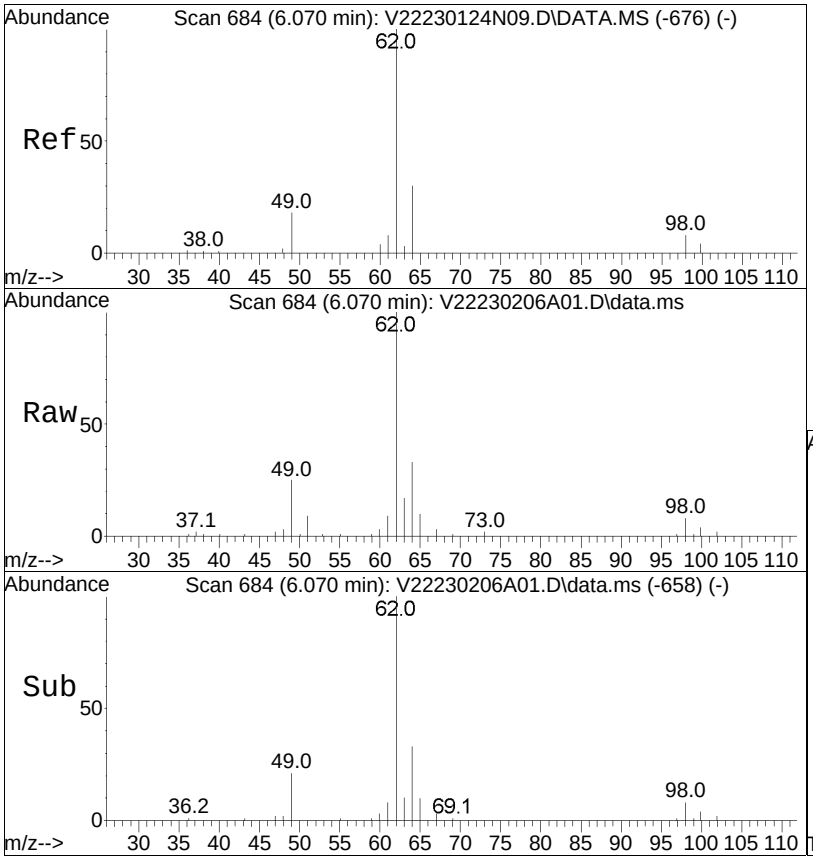


#44
Benzene
Concen: 9.16 ug/L
RT: 5.871 min Scan# 657
Delta R.T. -0.000 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 78 Resp: 142634

Ion	Ratio	Lower	Upper
78	100		
77	23.5	15.4	32.0
51	18.7	9.8	20.4
52	17.8	9.2	19.2

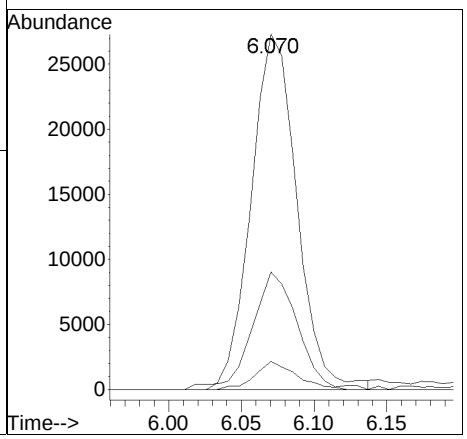


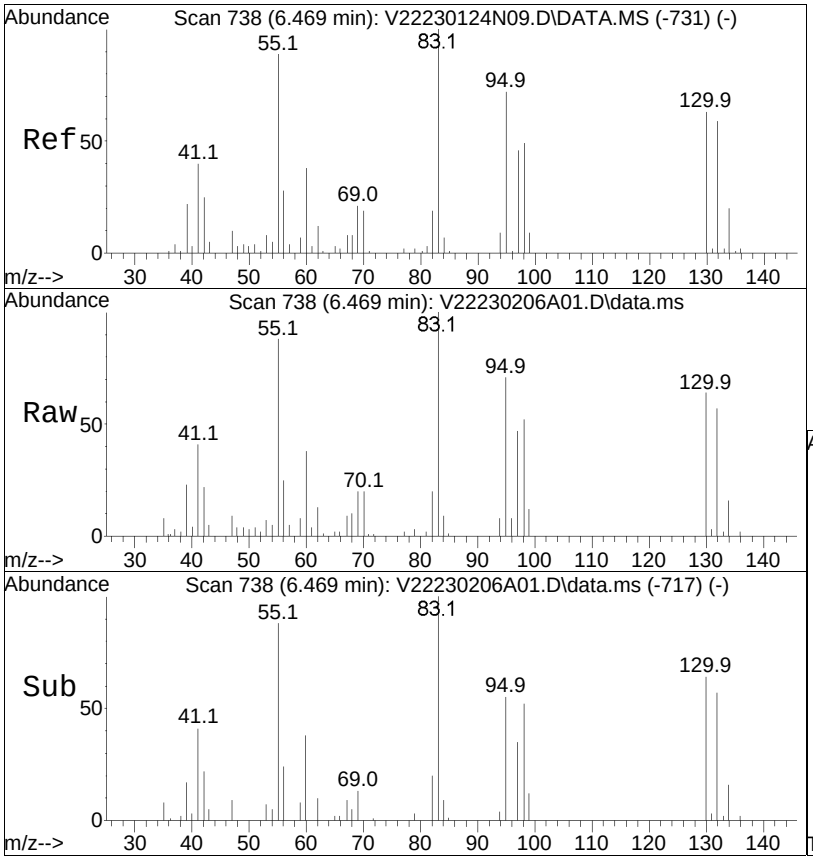


#47
1,2-Dichloroethane
Concen: 9.51 ug/L
RT: 6.070 min Scan# 684
Delta R.T. -0.008 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 62 Resp: 59609

Ion	Ratio	Lower	Upper
62	100		
64	33.1	12.3	52.3
98	7.1	0.0	30.3

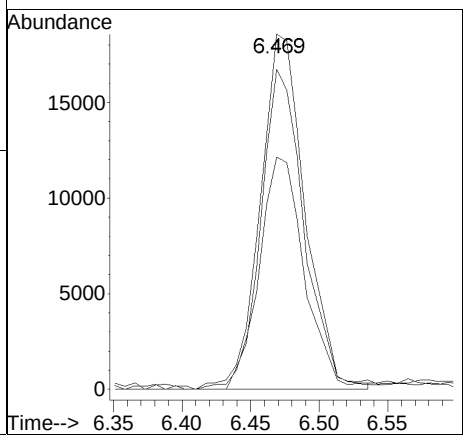


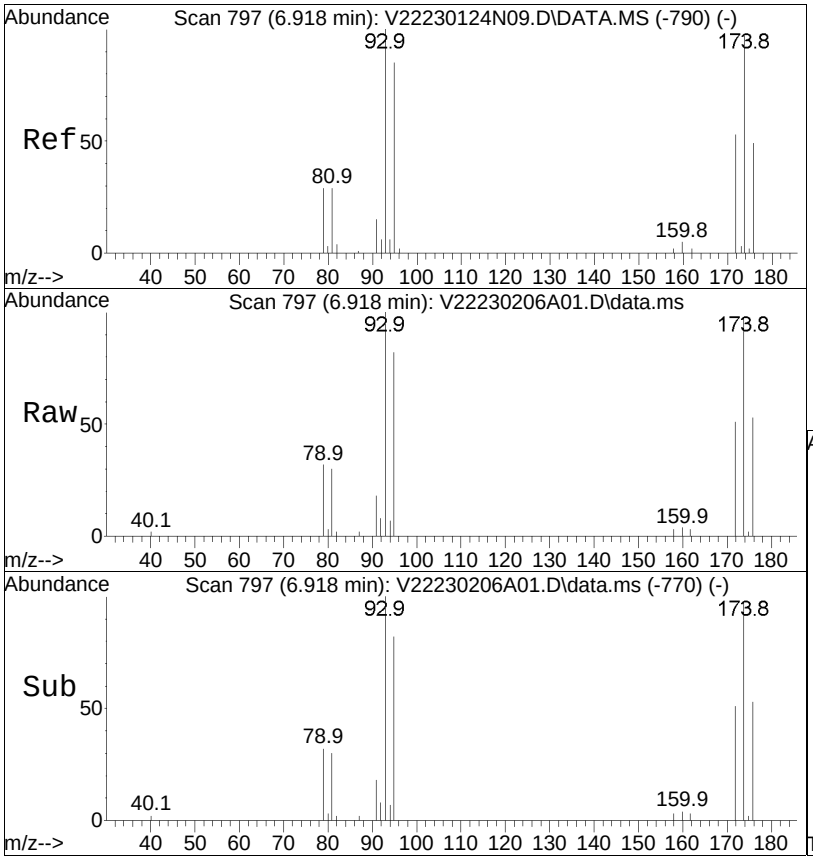


#51
Trichloroethene
Concen: 9.03 ug/L
RT: 6.469 min Scan# 738
Delta R.T. -0.007 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 95 Resp: 43647

Ion	Ratio	Lower	Upper
95	100		
97	66.5	55.0	82.4
130	87.7	89.2	133.8#

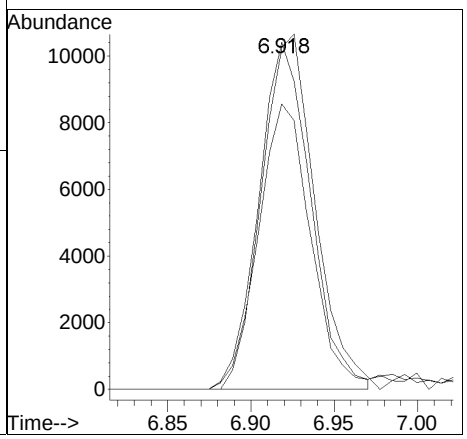


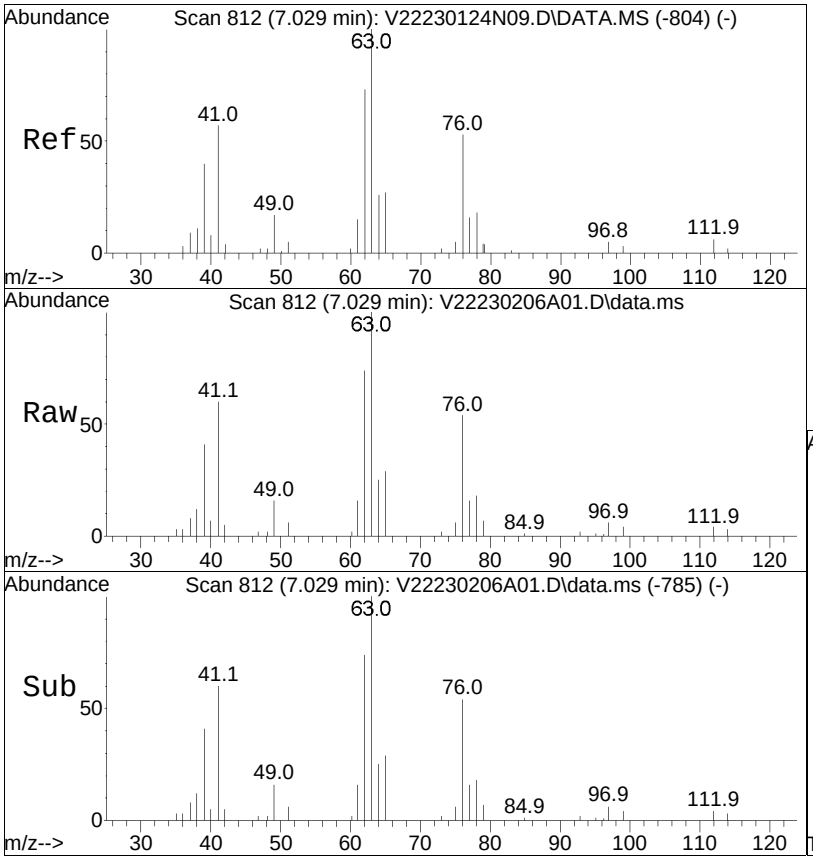


#53
Dibromomethane
Concen: 9.65 ug/L
RT: 6.918 min Scan# 797
Delta R.T. 0.000 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 93 Resp: 22676

Ion	Ratio	Lower	Upper
93	100		
95	84.6	68.0	102.0
174	104.7	106.1	159.1#

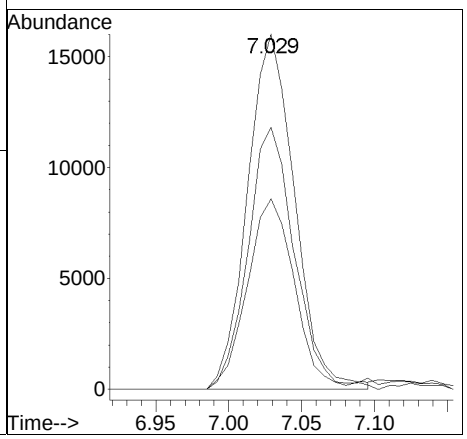


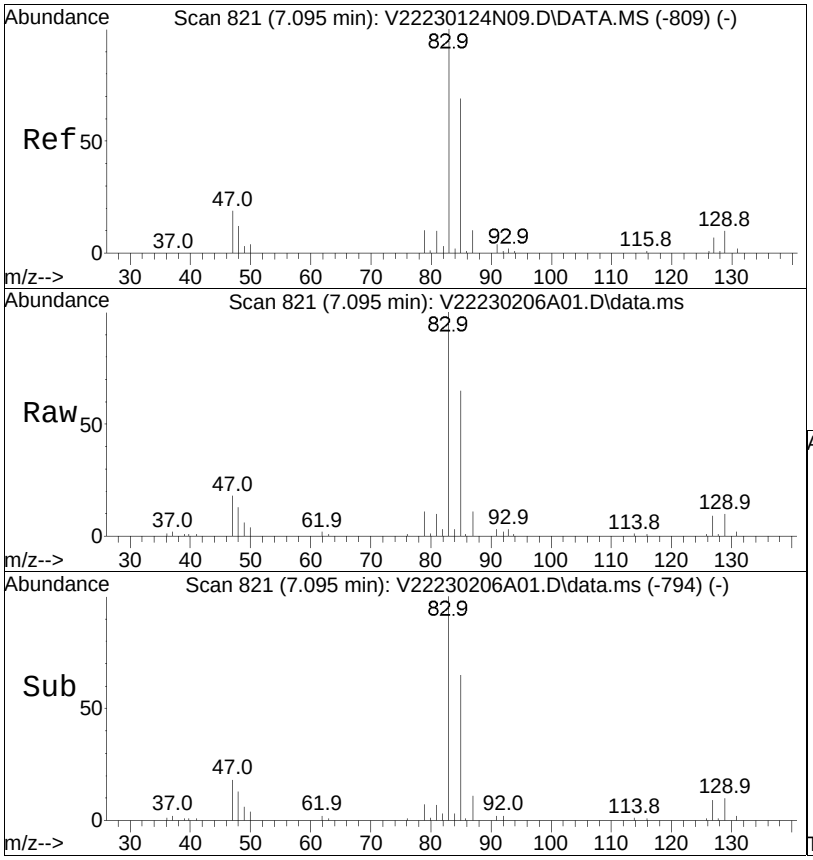


#54
1,2-Dichloropropane
Concen: 8.80 ug/L
RT: 7.029 min Scan# 812
Delta R.T. -0.000 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 63 Resp: 36011

Ion	Ratio	Lower	Upper
63	100		
62	72.3	56.9	85.3
76	54.3	35.8	53.8#

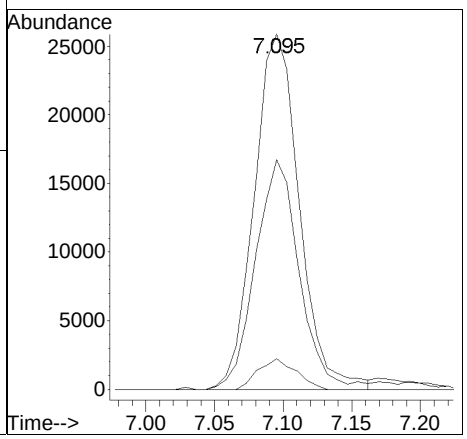


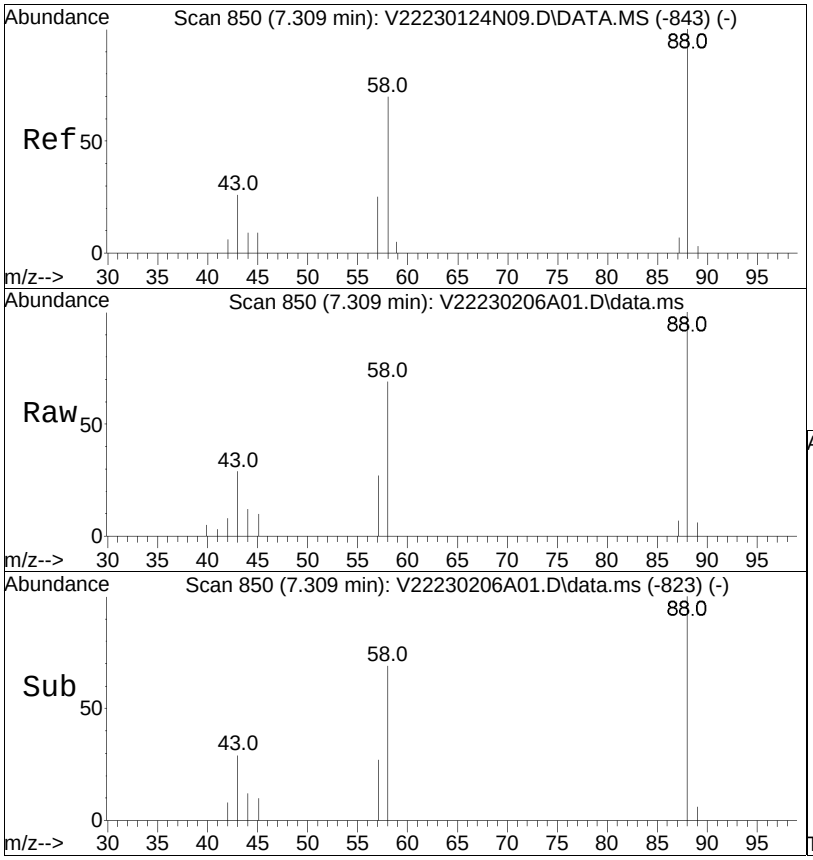


#57
Bromodichloromethane
Concen: 9.39 ug/L
RT: 7.095 min Scan# 821
Delta R.T. 0.000 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 83 Resp: 59194

Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.6	77.4
127	7.3	7.4	11.0#

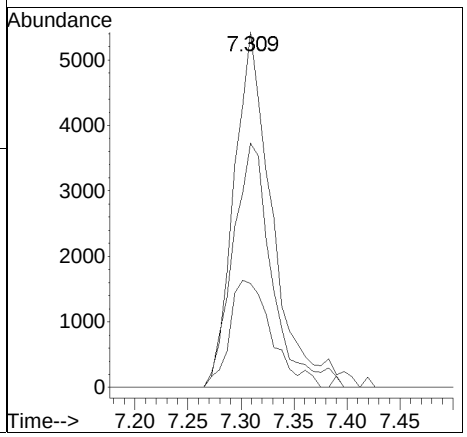


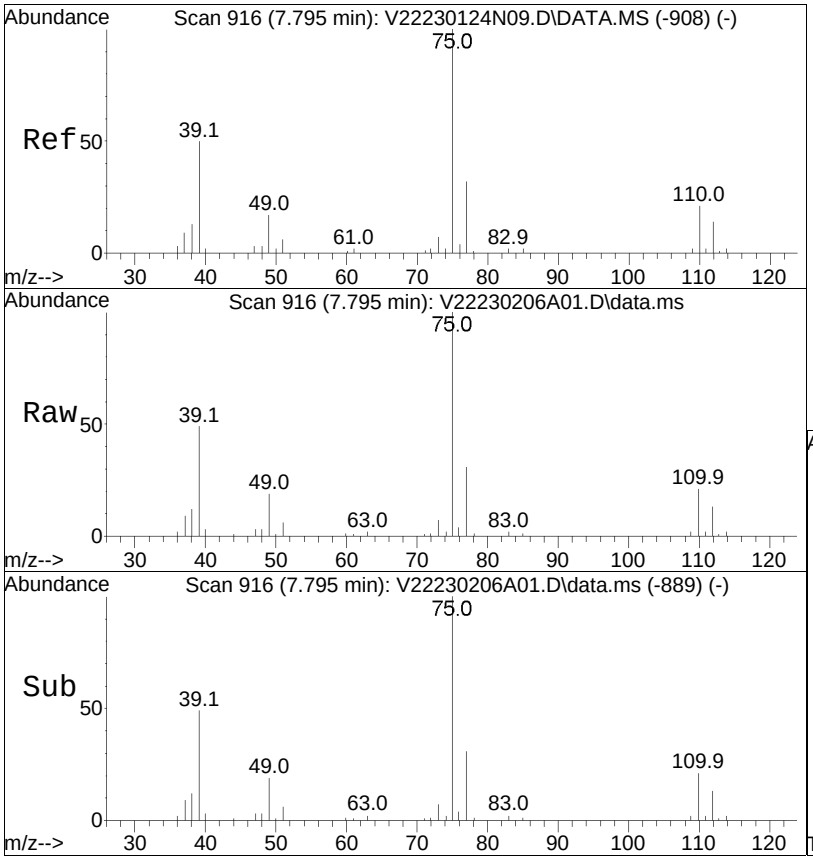


#60
1,4-Dioxane
Concen: 597.57 ug/L
RT: 7.309 min Scan# 850
Delta R.T. -0.000 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 88 Resp: 13715

Ion	Ratio	Lower	Upper
88	100		
58	70.1	43.3	64.9#
43	33.1	15.1	22.7#

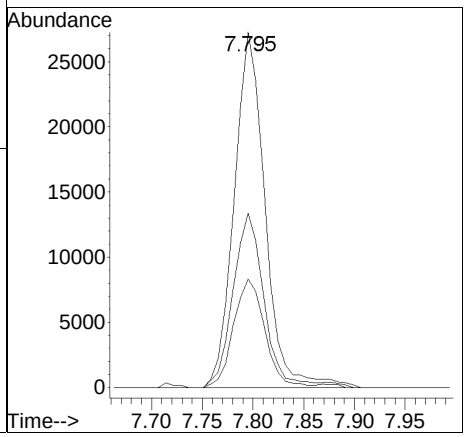


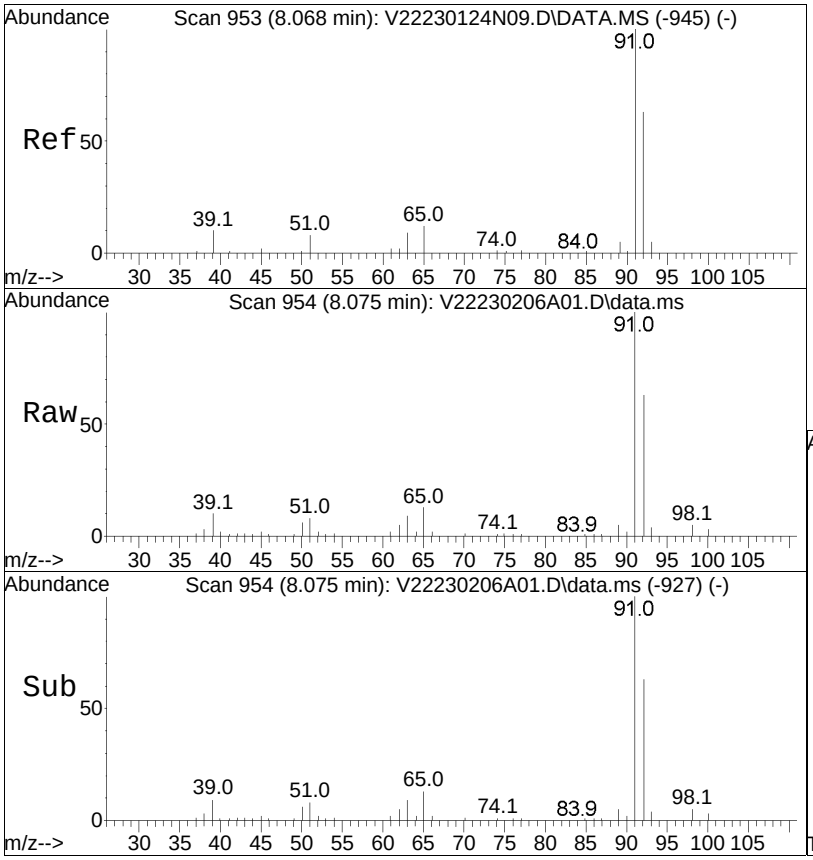


#61
cis-1,3-Dichloropropene
Concen: 9.33 ug/L
RT: 7.795 min Scan# 916
Delta R.T. 0.000 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 75 Resp: 57704

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.6	38.4
39	49.7	35.4	53.0

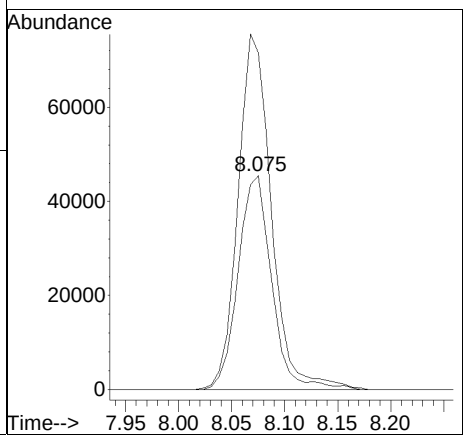


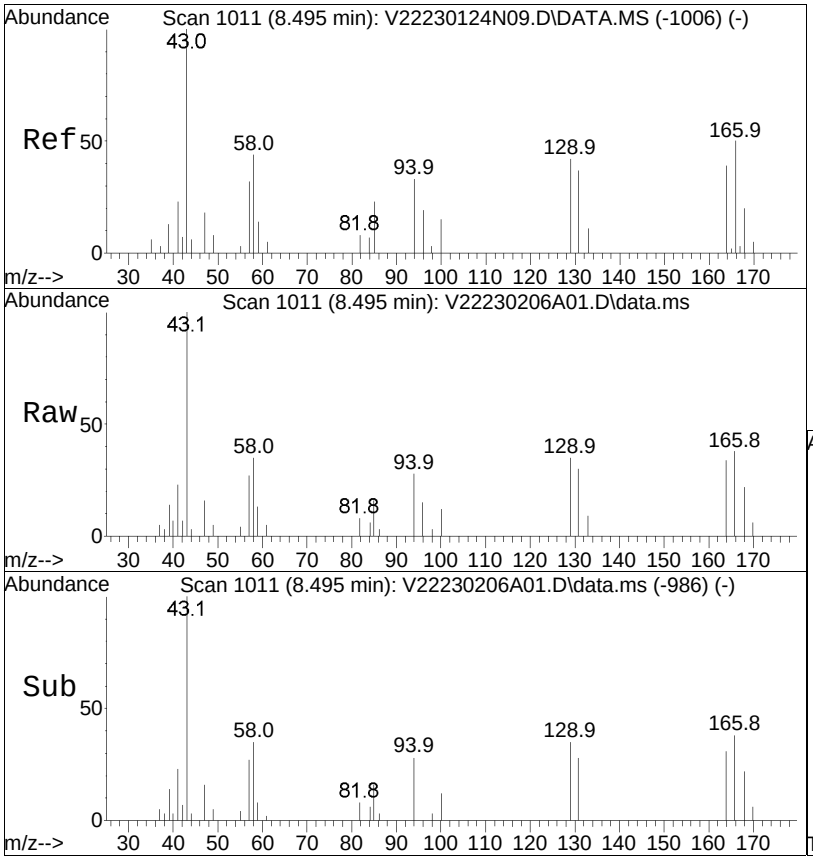


#64
Toluene
Concen: 9.07 ug/L
RT: 8.075 min Scan# 954
Delta R.T. 0.000 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 92 Resp: 99900

Ion	Ratio	Lower	Upper
92	100		
91	165.2	137.0	205.6

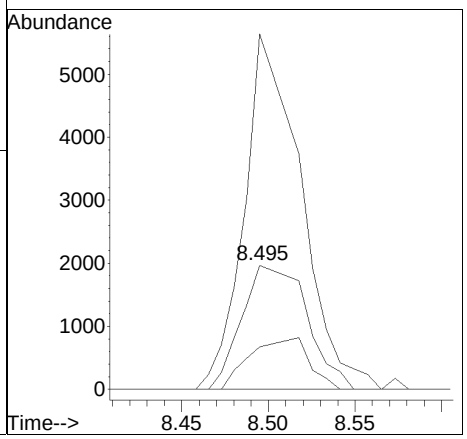


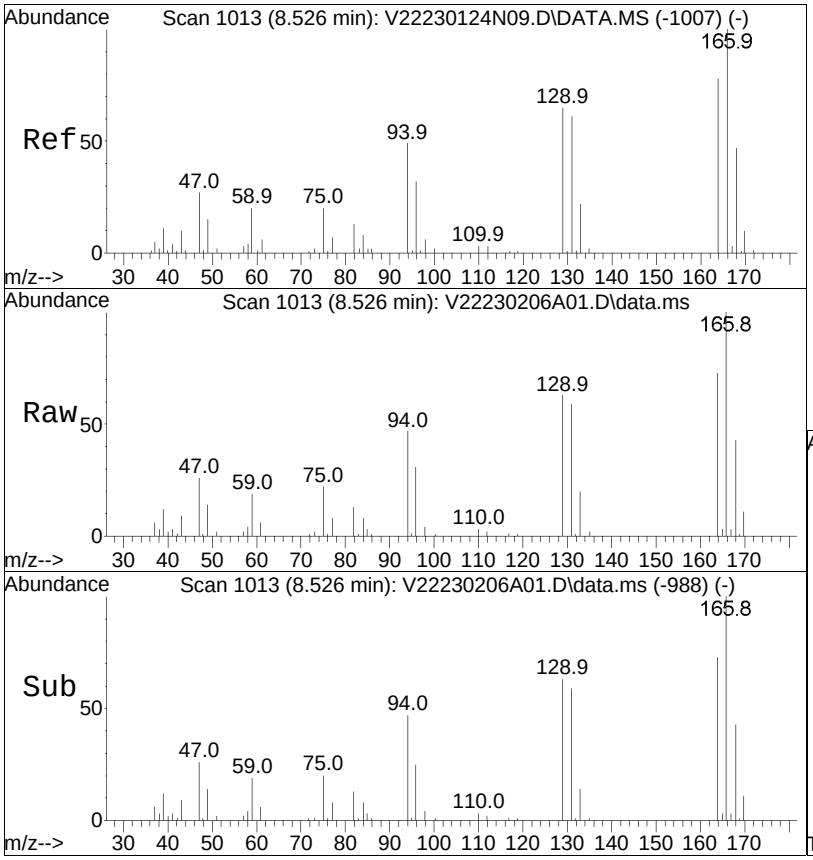


#65
4-Methyl-2-pentanone
Concen: 8.16 ug/L
RT: 8.495 min Scan# 1011
Delta R.T. -0.014 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 58 Resp: 4140

Ion	Ratio	Lower	Upper
58	100		
100	37.5	36.2	54.4
43	238.0	181.8	272.8

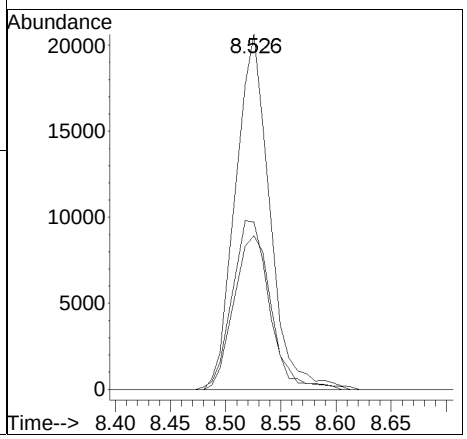


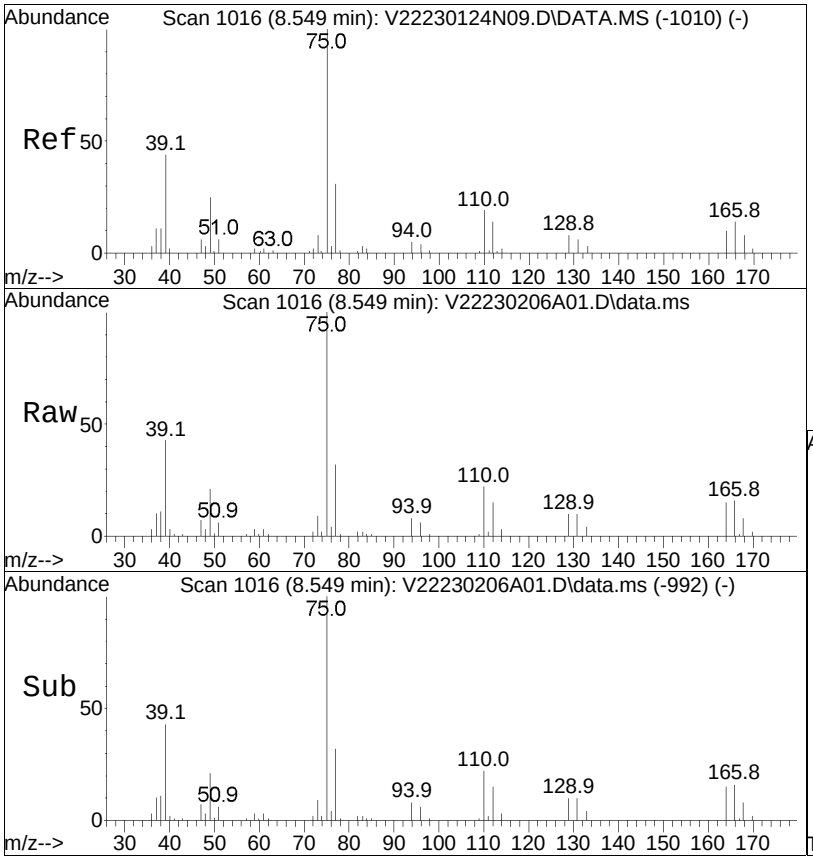


#66
Tetrachloroethene
Concen: 9.11 ug/L
RT: 8.526 min Scan# 1013
Delta R.T. 0.002 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:166 Resp: 39195

Ion	Ratio	Lower	Upper
166	100		
168	48.4	27.8	67.8
94	50.0	16.7	56.7

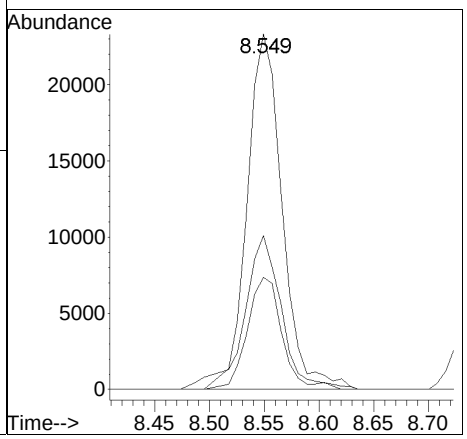


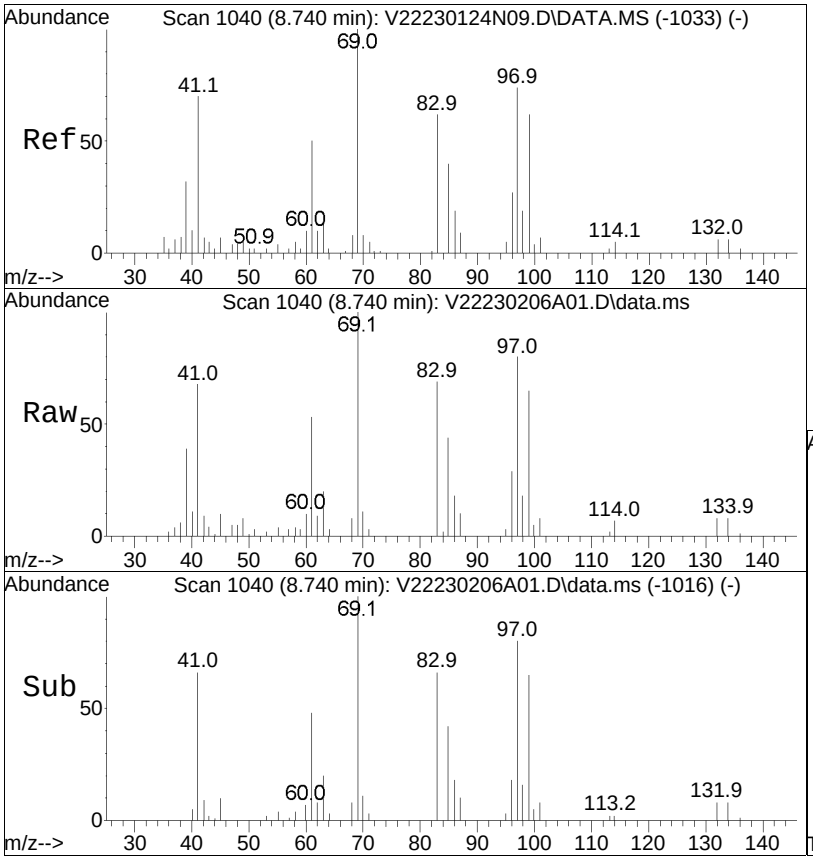


#68
trans-1,3-Dichloropropene
Concen: 8.88 ug/L
RT: 8.549 min Scan# 1016
Delta R.T. -0.007 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 75 Resp: 56413

Ion	Ratio	Lower	Upper
75	100		
77	31.6	11.9	51.9
39	44.2	27.4	67.4

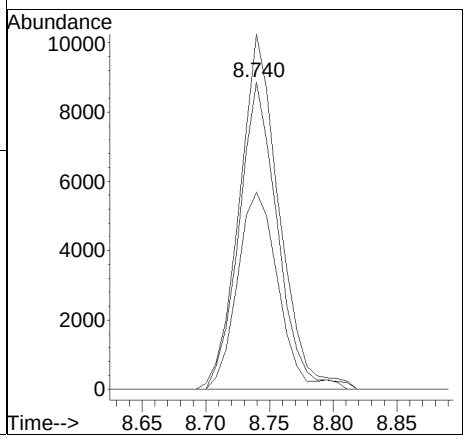


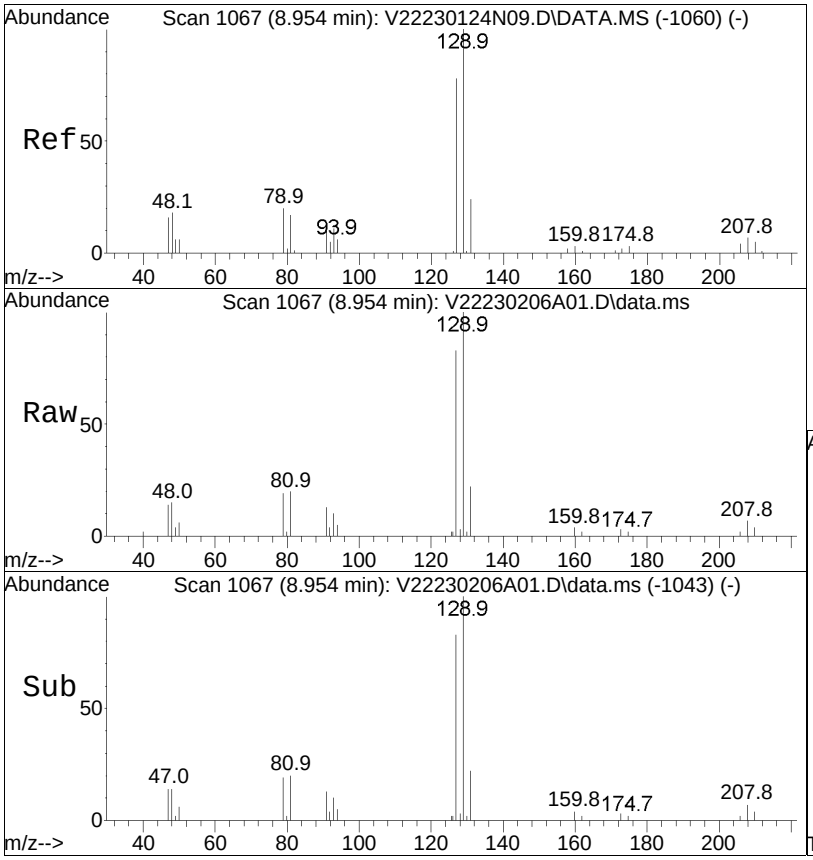


#71
1,1,2-Trichloroethane
Concen: 8.24 ug/L
RT: 8.740 min Scan# 1040
Delta R.T. -0.007 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 83 Resp: 18675

Ion	Ratio	Lower	Upper
83	100		
97	119.0	103.4	143.4
85	68.0	47.9	87.9

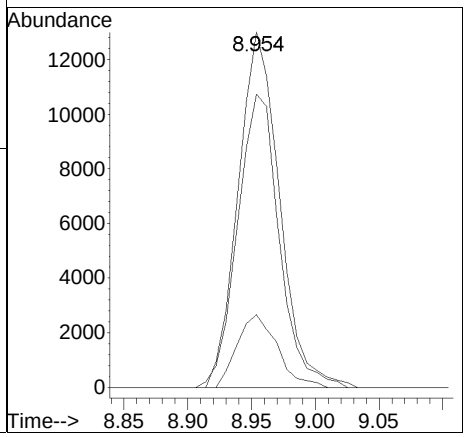


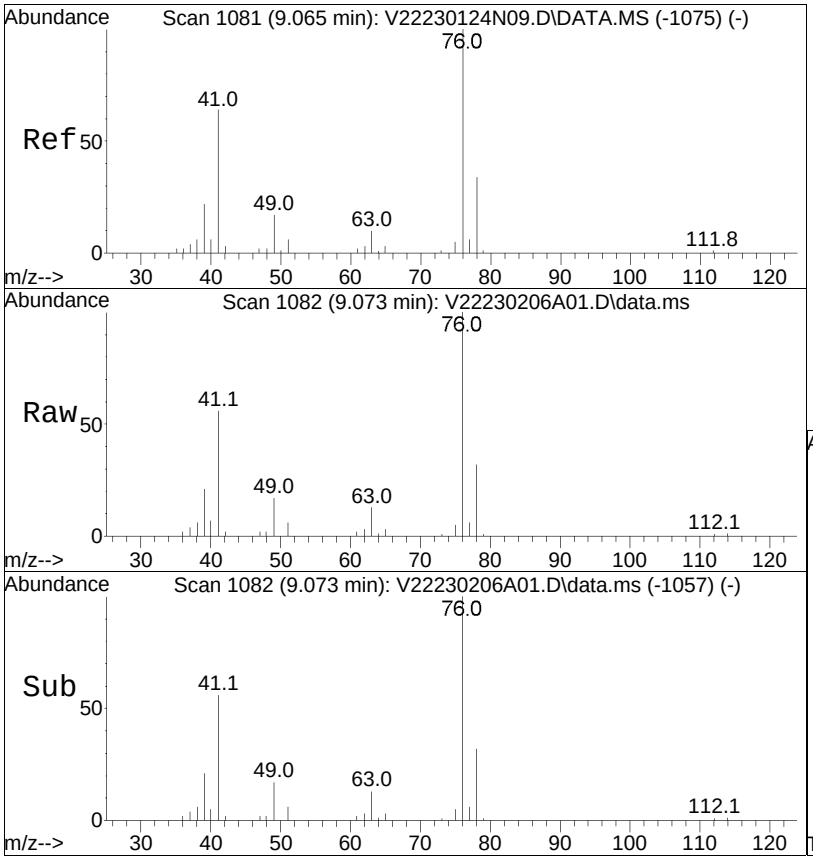


#72
Chlorodibromomethane
Concen: 7.80 ug/L
RT: 8.954 min Scan# 1067
Delta R.T. -0.007 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:129 Resp: 29373

Ion	Ratio	Lower	Upper
129	100		
81	19.9	0.0	33.8
127	83.2	57.1	97.1

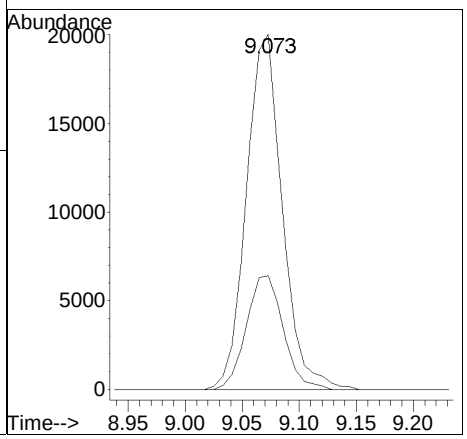


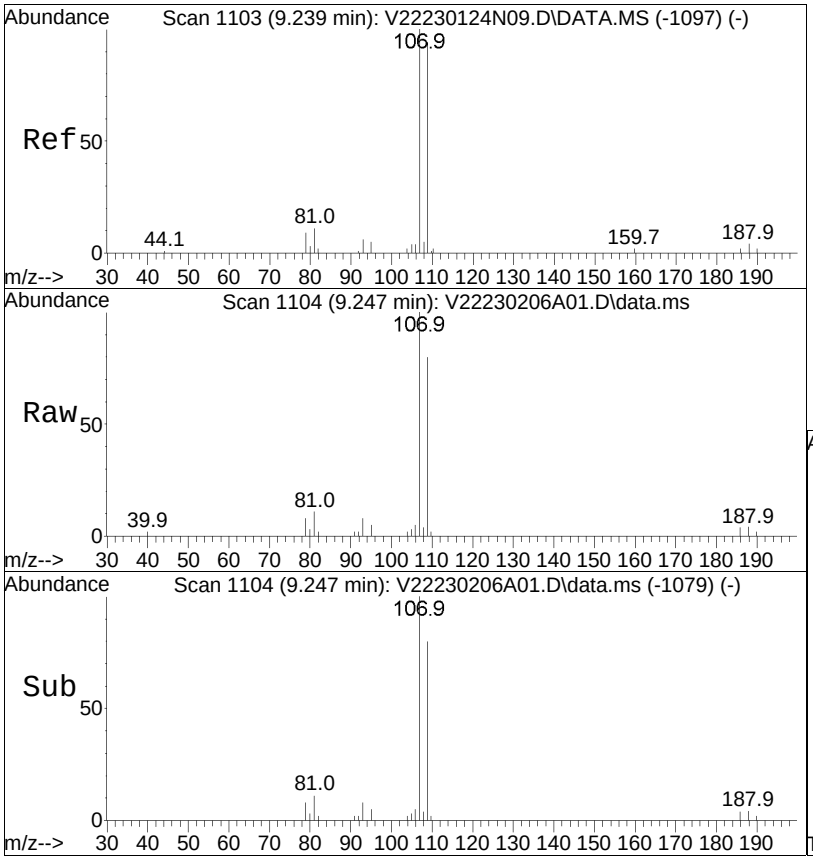


#73
1,3-Dichloropropane
Concen: 8.61 ug/L
RT: 9.073 min Scan# 1082
Delta R.T. 0.001 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 76 Resp: 43858

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.7	38.5

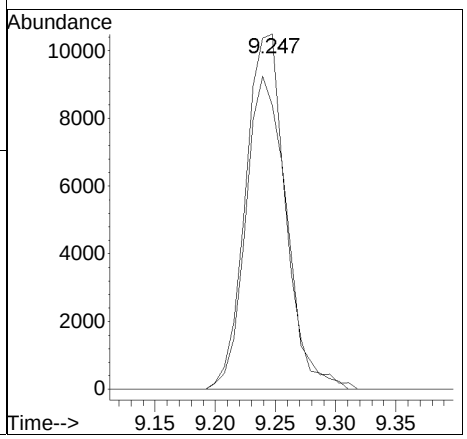


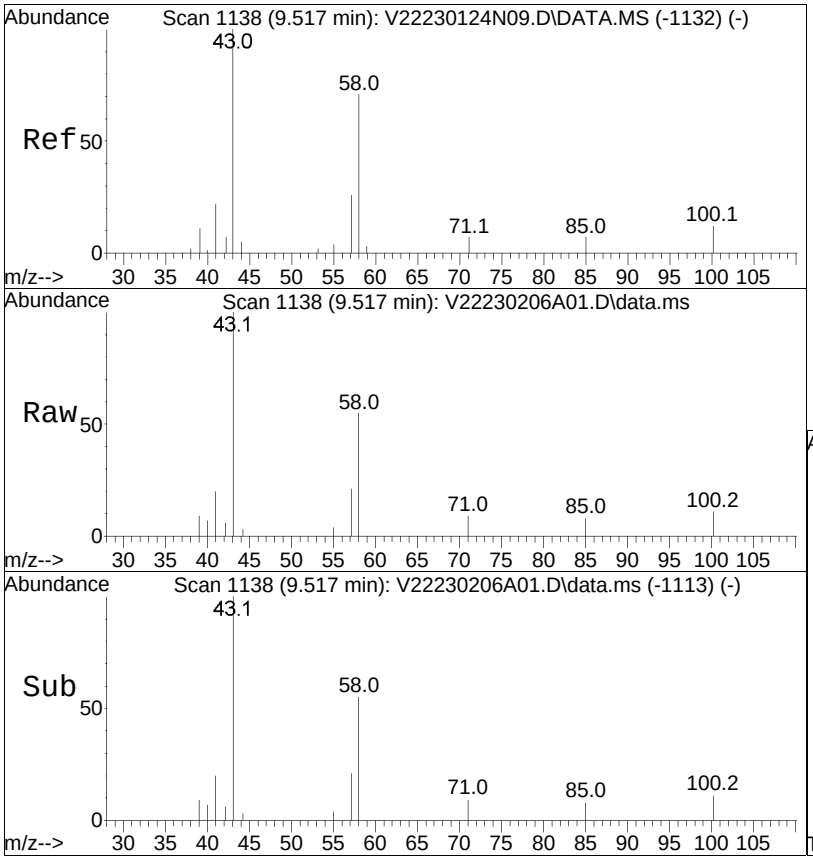


#74
1,2-Dibromoethane
Concen: 9.22 ug/L
RT: 9.247 min Scan# 1104
Delta R.T. 0.001 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:107 Resp: 24655

Ion	Ratio	Lower	Upper
107	100		
109	87.4	75.1	112.7

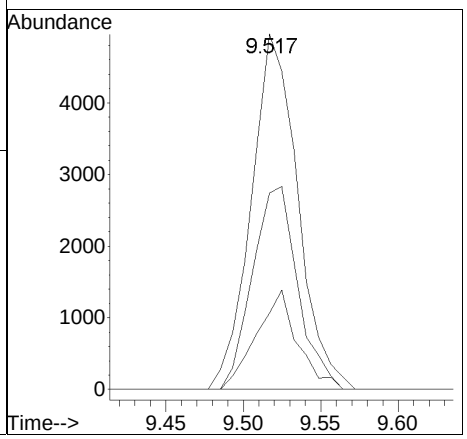


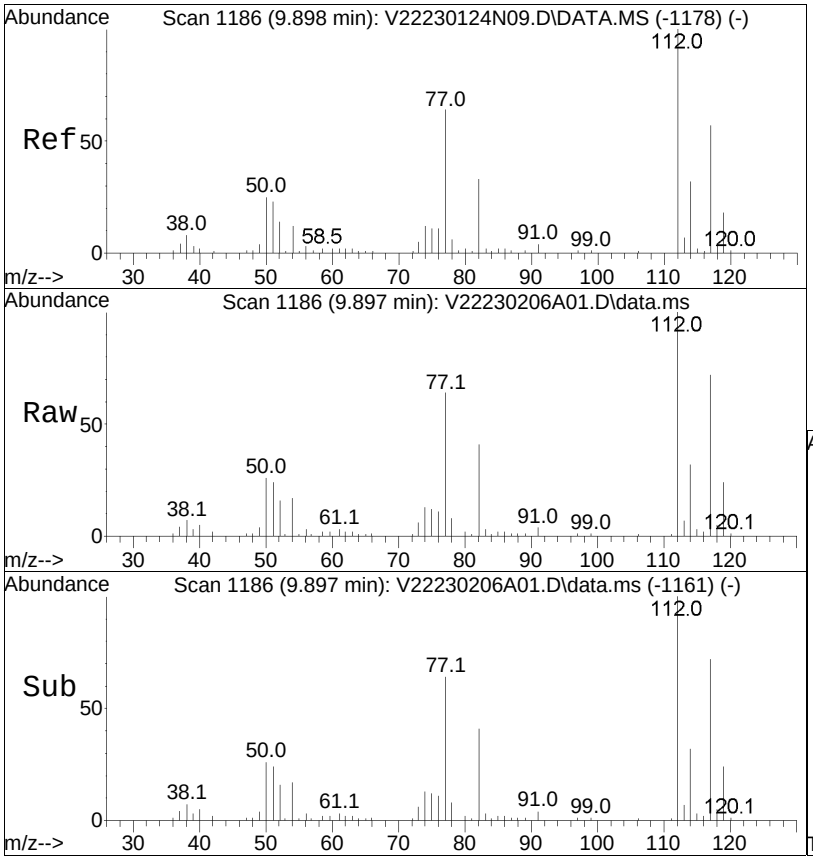


#76
2-Hexanone
Concen: 7.89 ug/L
RT: 9.517 min Scan# 1138
Delta R.T. 0.001 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 43 Resp: 10363

Ion	Ratio	Lower	Upper
43	100		
58	55.6	47.6	71.4
57	24.7	16.6	24.8

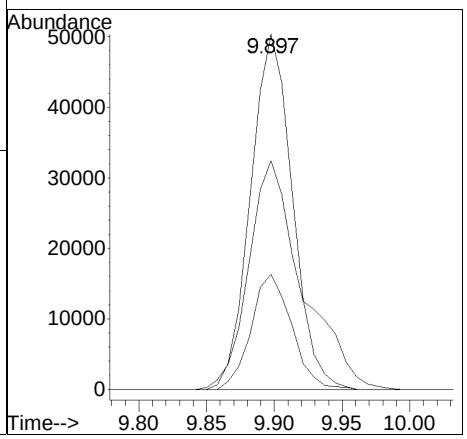


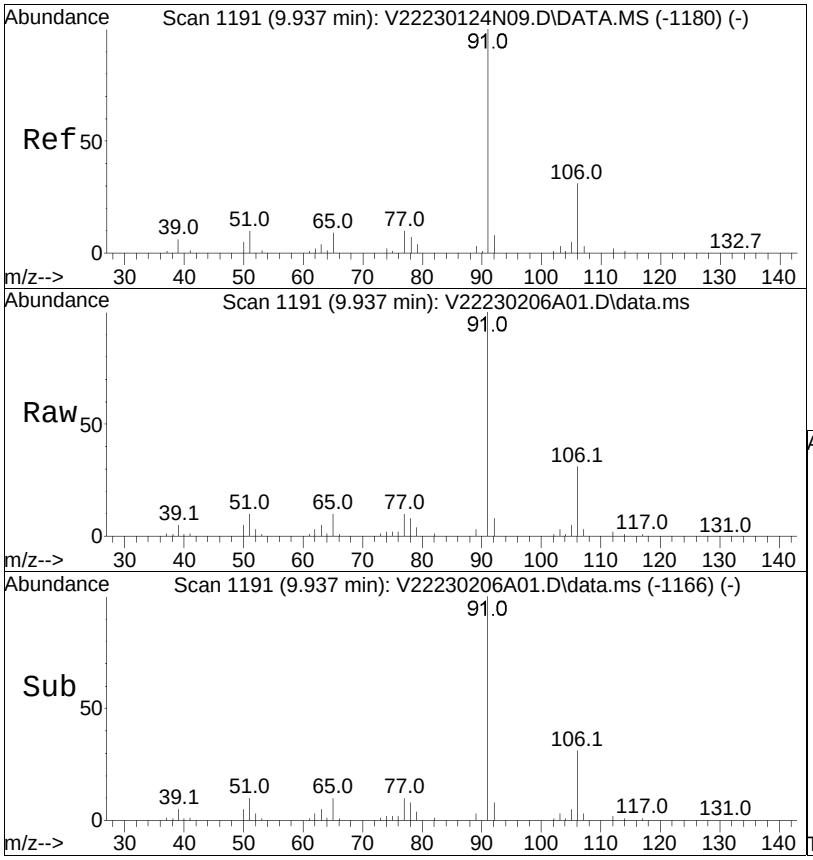


#77
Chlorobenzene
Concen: 9.07 ug/L
RT: 9.897 min Scan# 1186
Delta R.T. 0.001 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:112 Resp: 108018

Ion	Ratio	Lower	Upper
112	100		
77	82.7	55.4	83.0
114	31.5	26.2	39.4

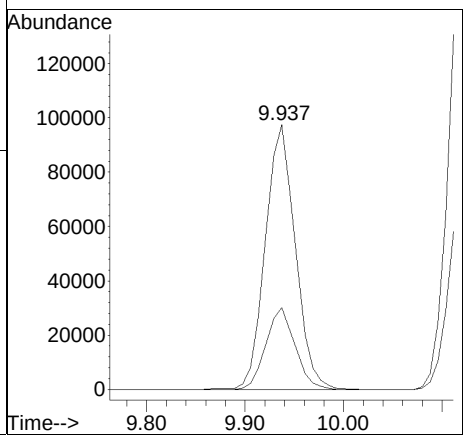


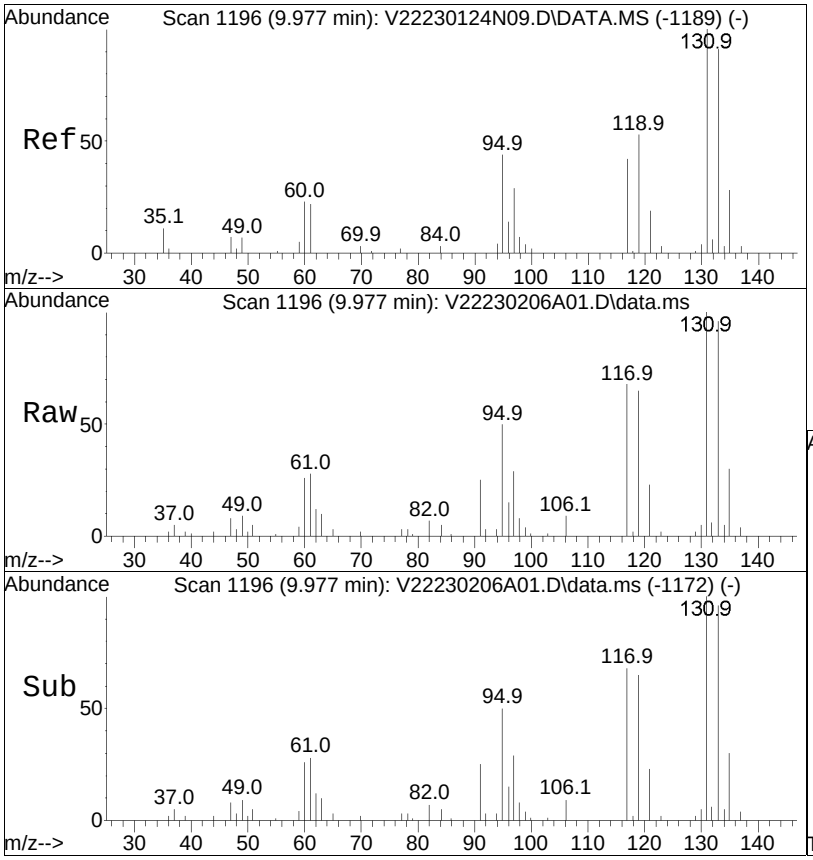


#78
Ethylbenzene
Concen: 9.15 ug/L
RT: 9.937 min Scan# 1191
Delta R.T. 0.001 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 91 Resp: 206093

Ion	Ratio	Lower	Upper
91	100		
106	29.9	25.8	38.6

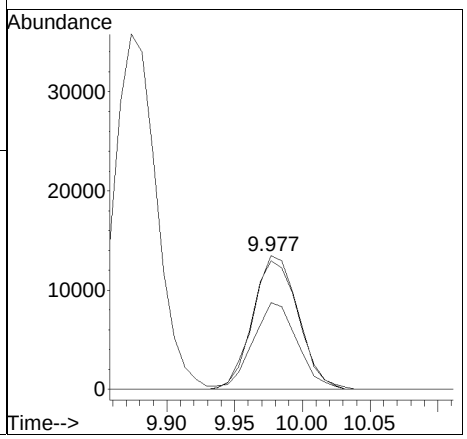


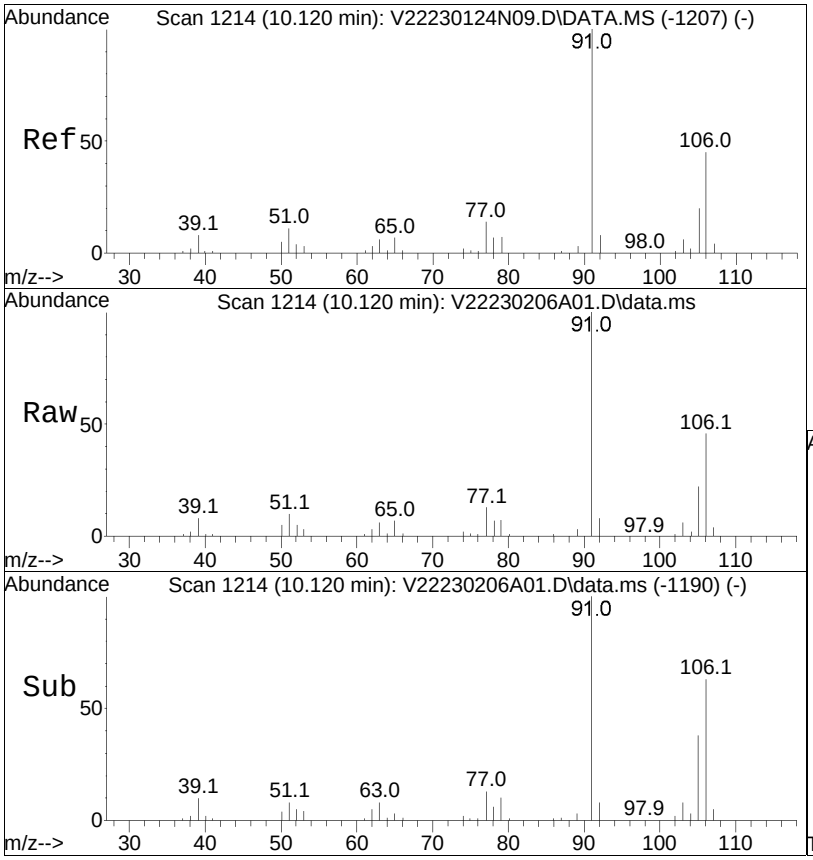


#79
1,1,1,2-Tetrachloroethane
Concen: 8.45 ug/L
RT: 9.977 min Scan# 1196
Delta R.T. -0.007 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:131 Resp: 31550

Ion	Ratio	Lower	Upper
131	100		
133	97.2	75.3	115.3
119	63.6	49.3	89.3

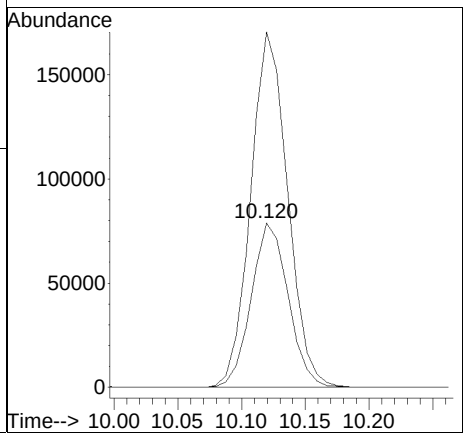


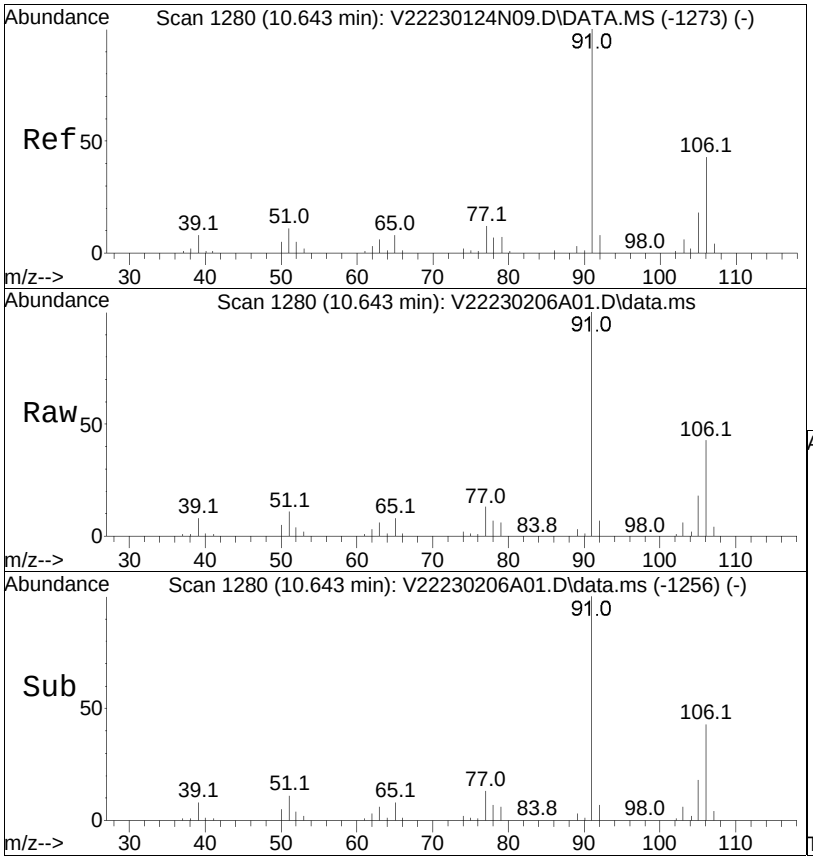


#80
p/m Xylene
Concen: 19.05 ug/L
RT: 10.120 min Scan# 1214
Delta R.T. -0.006 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:106 Resp: 159082

Ion	Ratio	Lower	Upper
106	100		
91	216.2	156.0	234.0

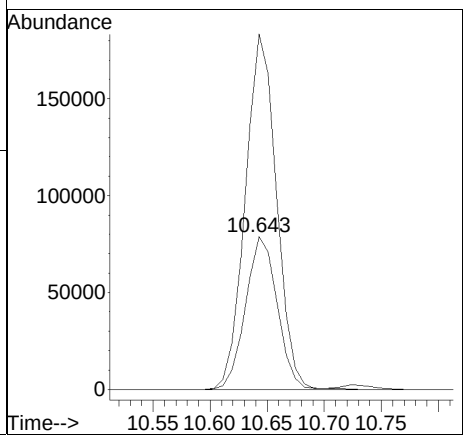


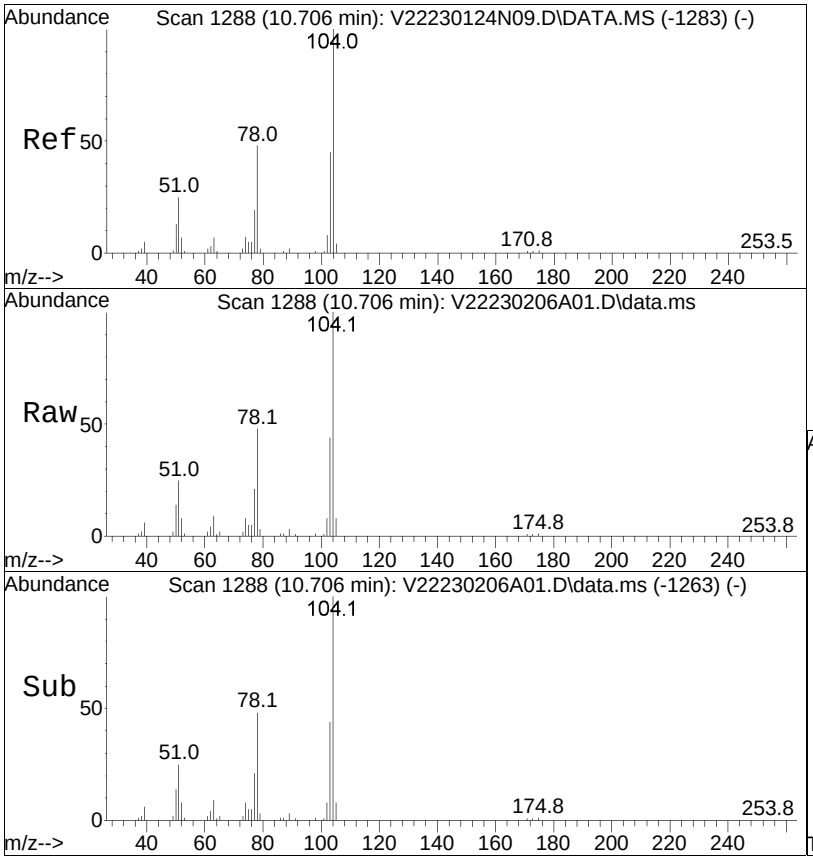


#81
o Xylene
Concen: 18.86 ug/L
RT: 10.643 min Scan# 1280
Delta R.T. -0.007 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:106 Resp: 152448

Ion	Ratio	Lower	Upper
106	100		
91	228.2	164.0	246.0

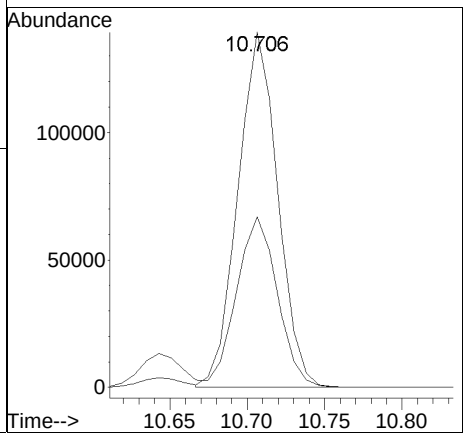


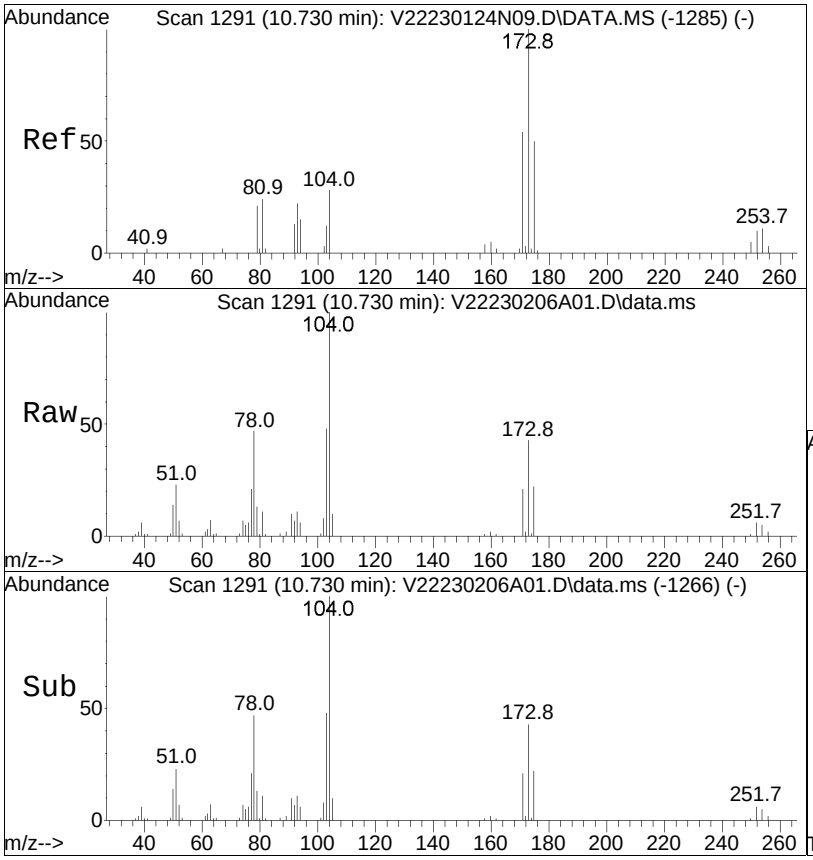


#82
Styrene
Concen: 19.01 ug/L
RT: 10.706 min Scan# 1288
Delta R.T. 0.001 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:104 Resp: 249620

Ion	Ratio	Lower	Upper
104	100		
78	49.0	32.1	48.1#

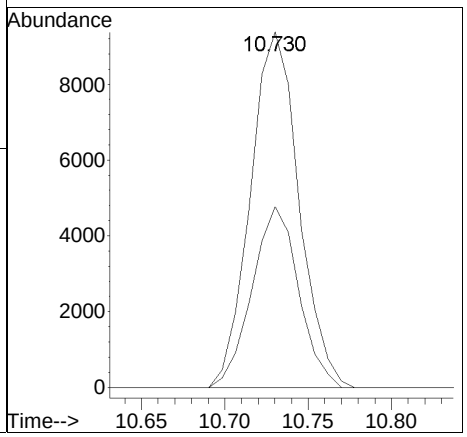


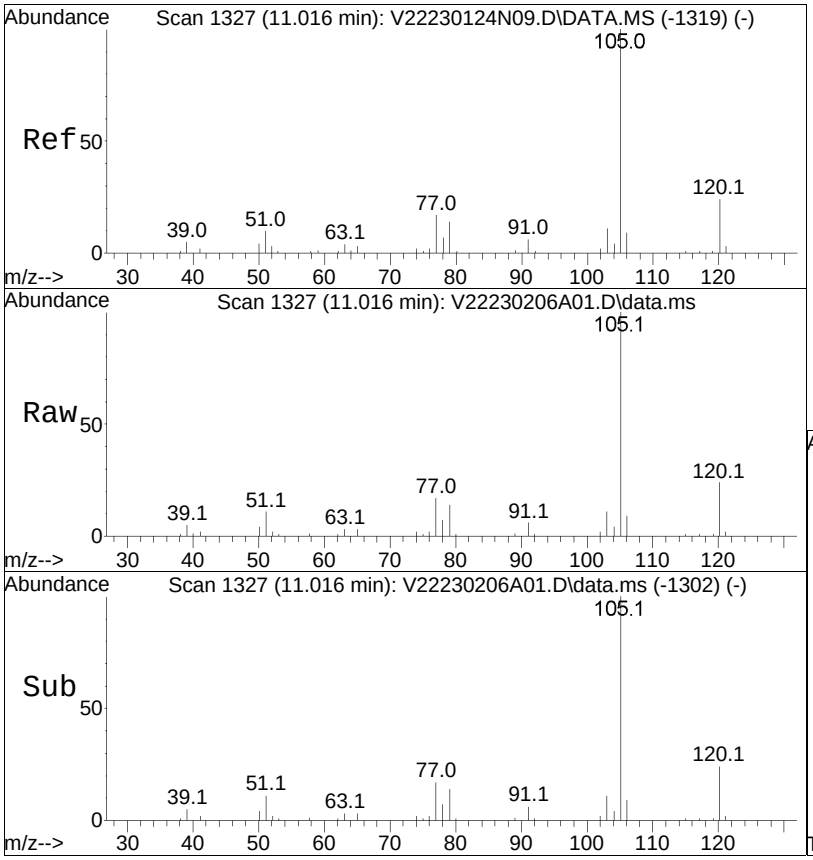


#84
Bromoform
Concen: 8.02 ug/L
RT: 10.730 min Scan# 1291
Delta R.T. 0.001 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:173 Resp: 18950

Ion	Ratio	Lower	Upper
173	100		
175	48.8	29.3	69.3

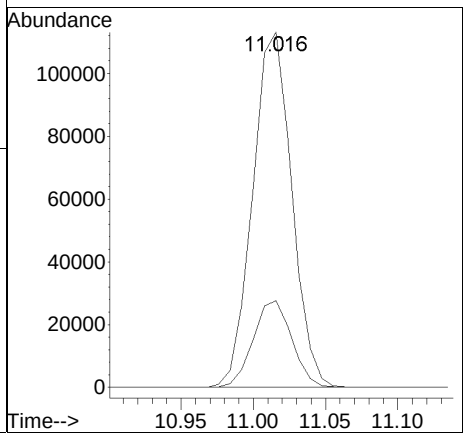


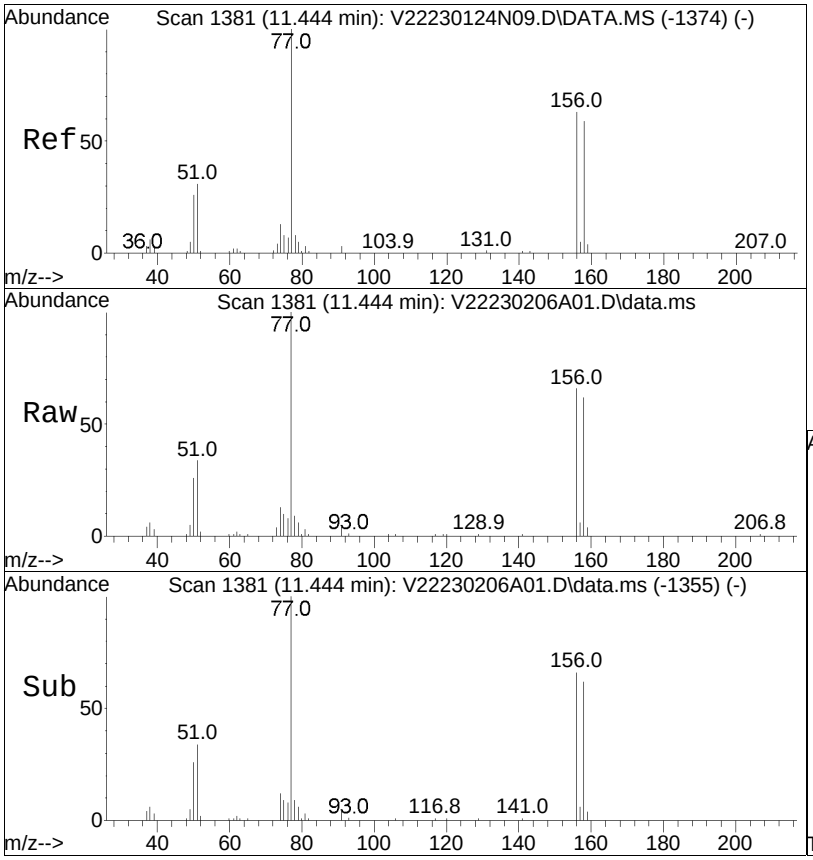


#86
Isopropylbenzene
Concen: 9.04 ug/L
RT: 11.016 min Scan# 1327
Delta R.T. 0.001 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:105 Resp: 213218

Ion	Ratio	Lower	Upper
105	100		
120	24.1	7.7	47.7

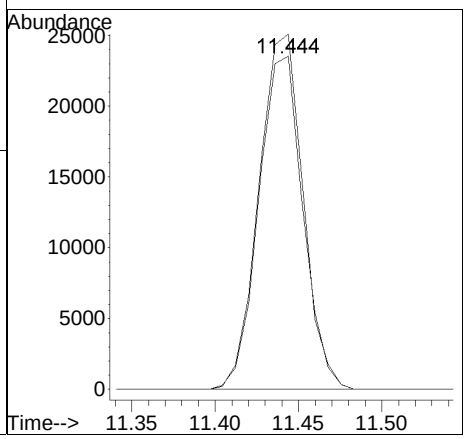


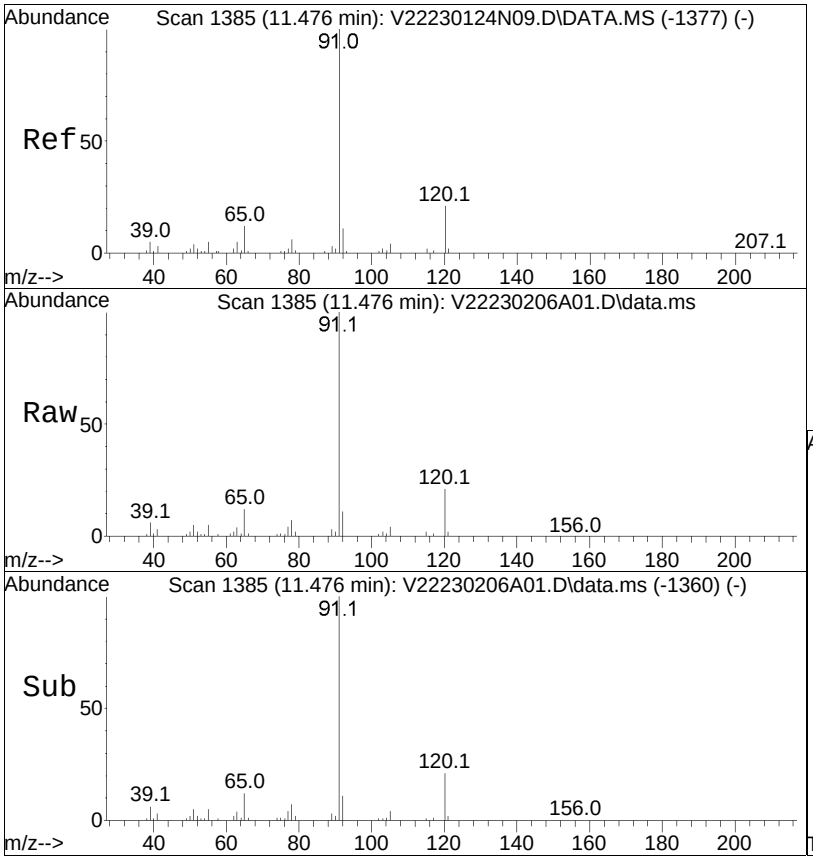


#88
Bromobenzene
Concen: 8.85 ug/L
RT: 11.444 min Scan# 1381
Delta R.T. 0.005 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:156 Resp: 46091

Ion	Ratio	Lower	Upper
156	100		
158	94.2	77.9	116.9

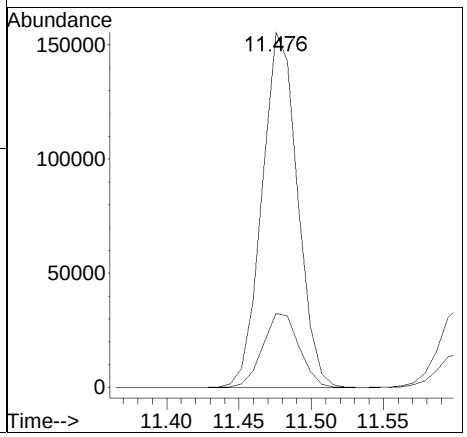


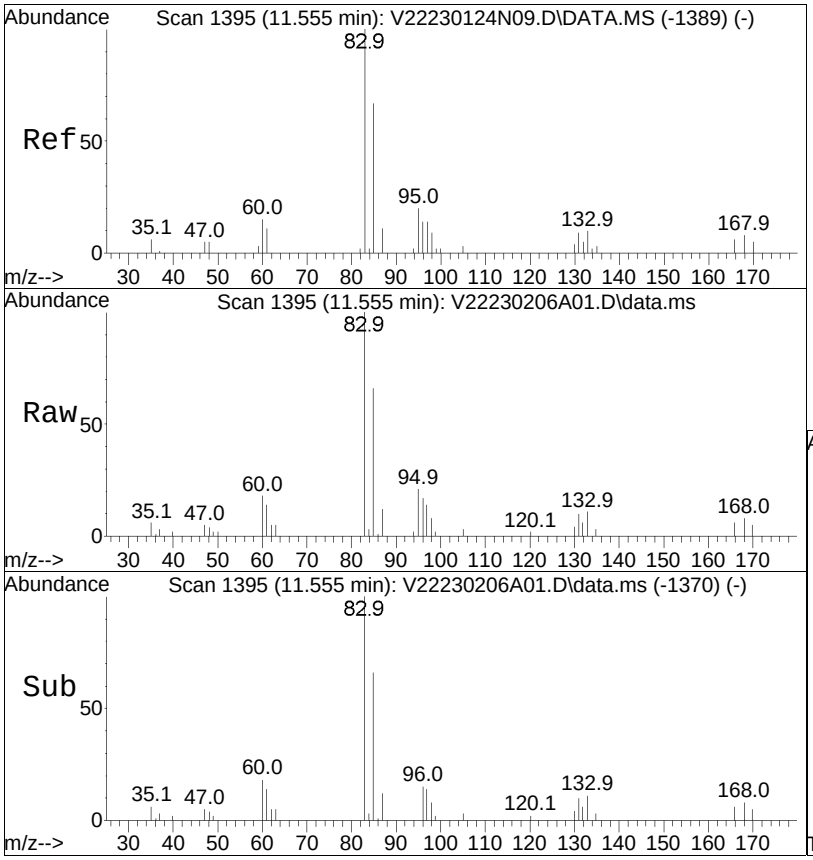


#89
n-Propylbenzene
Concen: 9.07 ug/L
RT: 11.476 min Scan# 1385
Delta R.T. -0.005 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 91 Resp: 265300

Ion	Ratio	Lower	Upper
91	100		
120	21.4	19.5	29.3

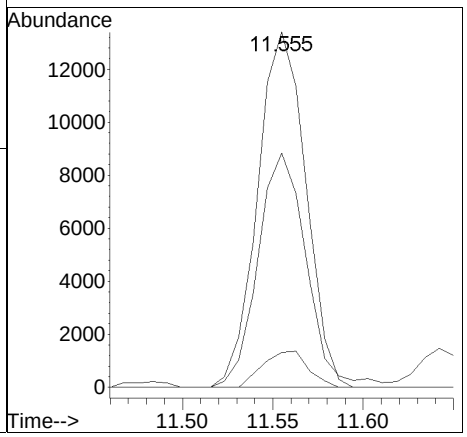


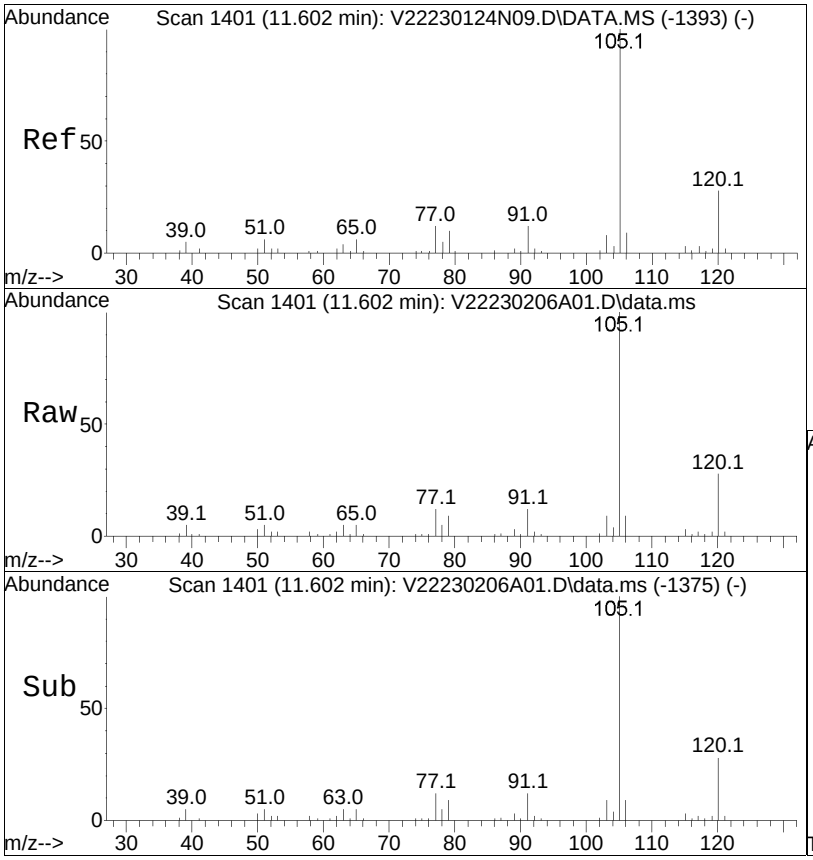


#91
1,1,2,2-Tetrachloroethane
Concen: 8.71 ug/L
RT: 11.555 min Scan# 1395
Delta R.T. -0.002 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 83 Resp: 24850

Ion	Ratio	Lower	Upper
83	100		
131	9.7	0.0	30.8
85	66.3	45.4	85.4

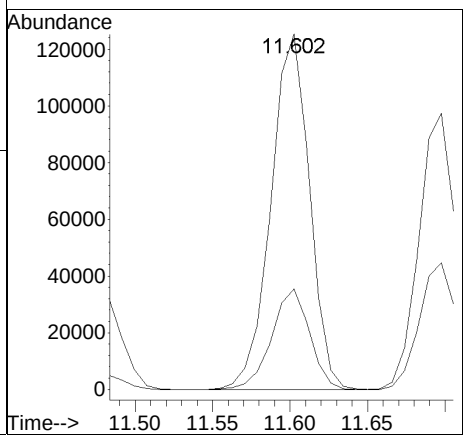


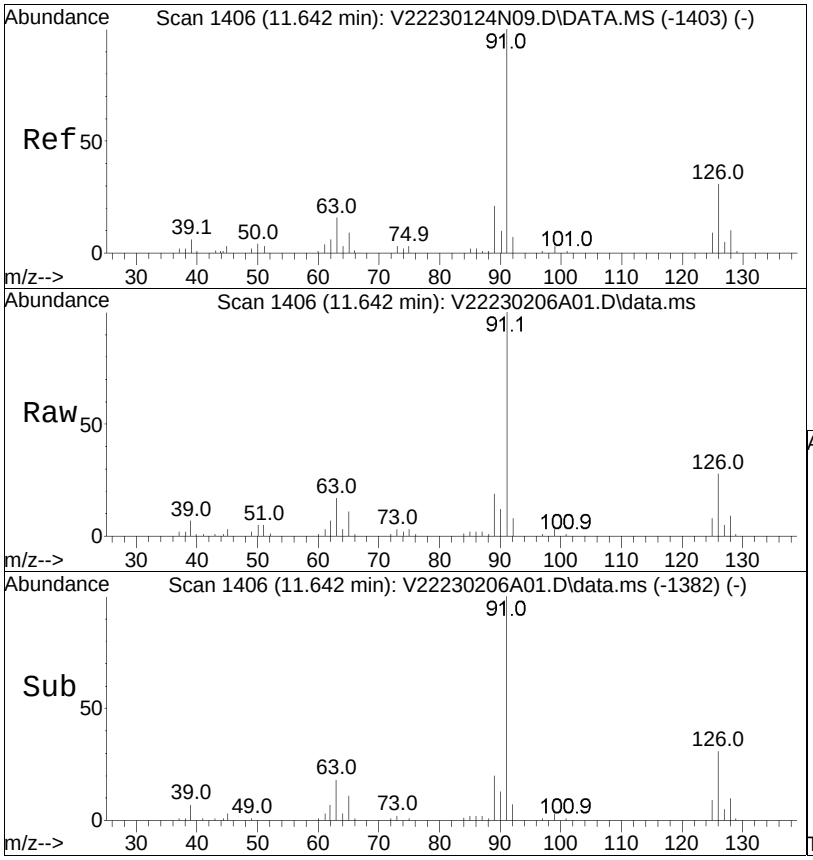


#92
4-Ethyltoluene
Concen: 9.14 ug/L
RT: 11.602 min Scan# 1401
Delta R.T. 0.003 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:105 Resp: 216998

Ion	Ratio	Lower	Upper
105	100		
120	27.8	19.8	41.0

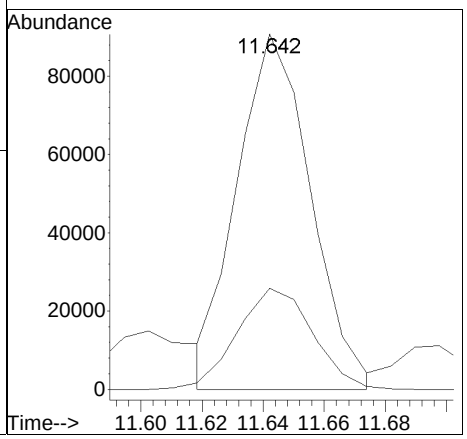


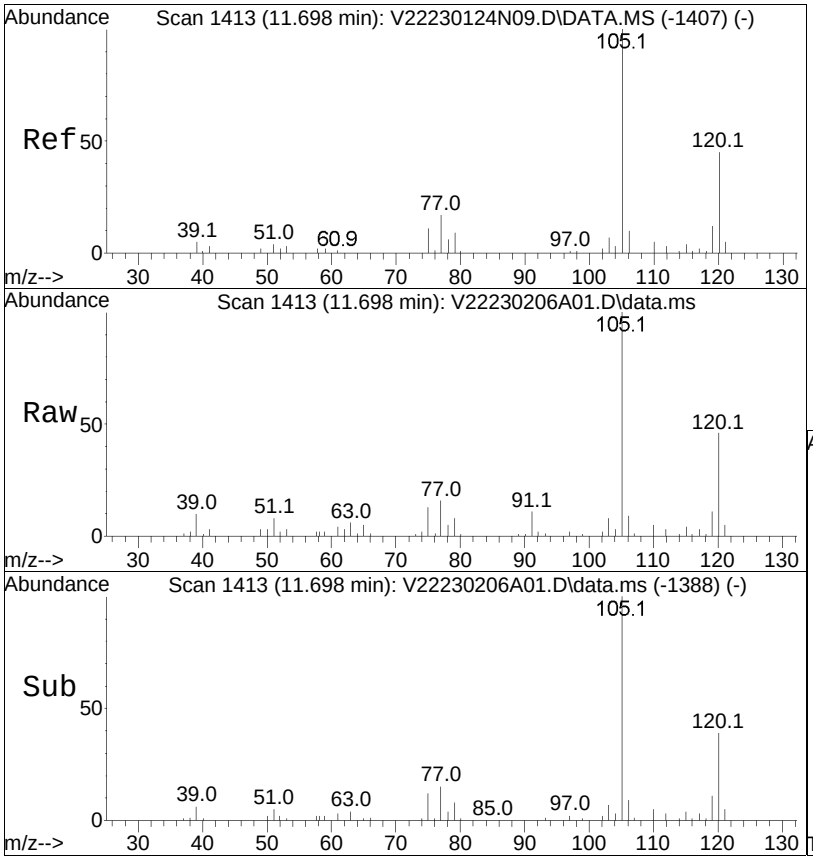


#93
2-Chlorotoluene
Concen: 8.93 ug/L M6
RT: 11.642 min Scan# 1406
Delta R.T. -0.006 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 91 Resp: 151732

Ion	Ratio	Lower	Upper
91	100		
126	29.4	24.6	37.0

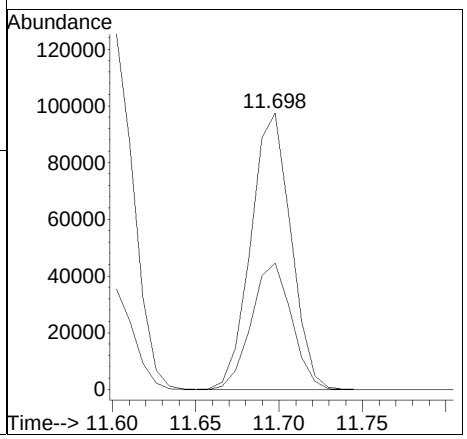


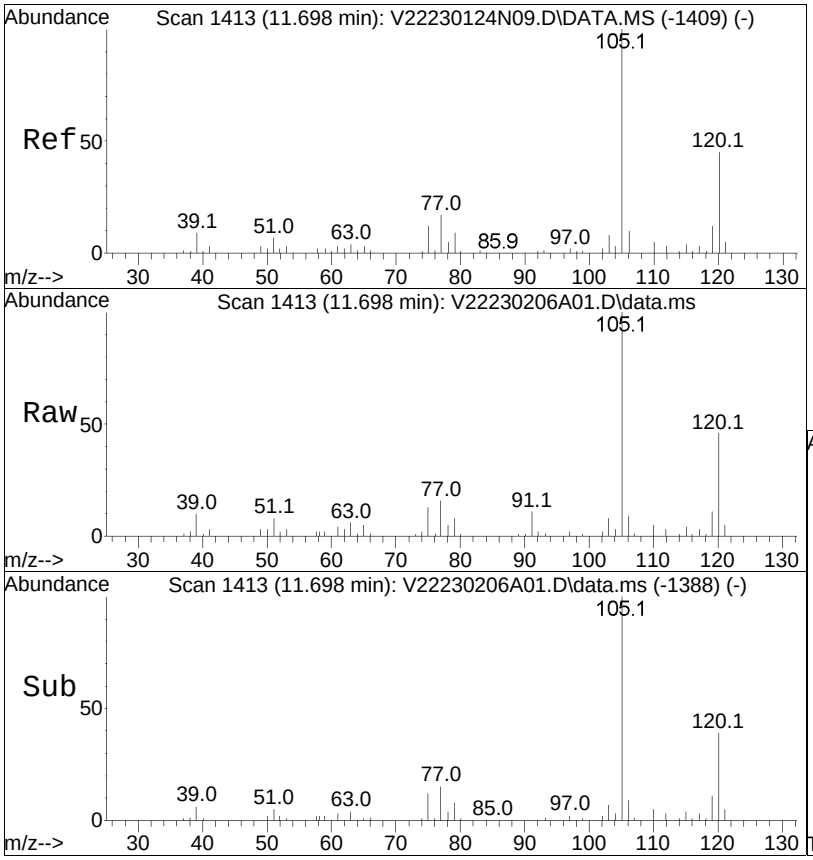


#94
1,3,5-Trimethylbenzene
Concen: 8.38 ug/L
RT: 11.698 min Scan# 1413
Delta R.T. 0.002 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:105 Resp: 162640

Ion	Ratio	Lower	Upper
105	100		
120	46.0	40.9	61.3

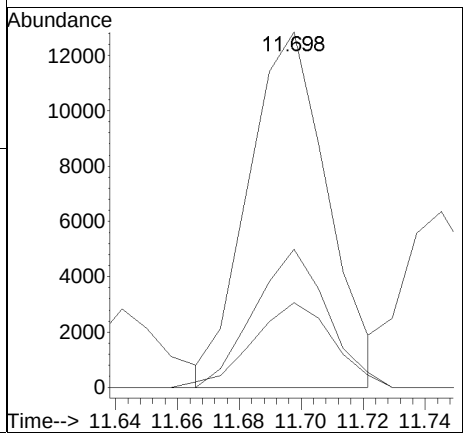


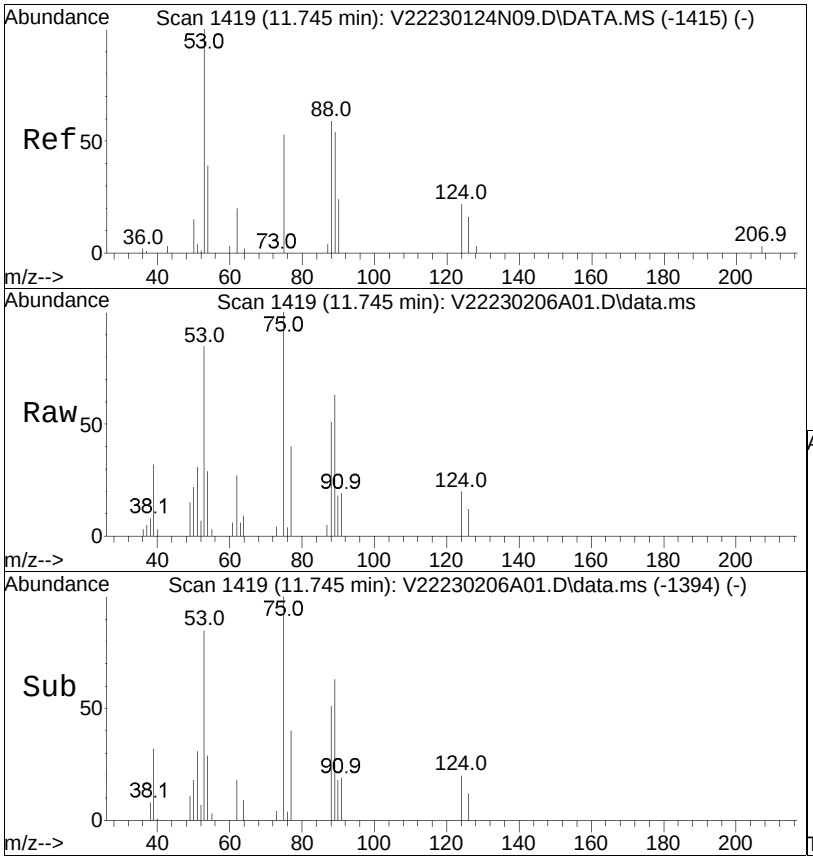


#95
1,2,3-Trichloropropane
Concen: 8.31 ug/L
RT: 11.698 min Scan# 1413
Delta R.T. 0.002 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 75 Resp: 22847

Ion	Ratio	Lower	Upper
75	100		
110	35.9	26.3	54.7
112	24.1	16.8	35.0

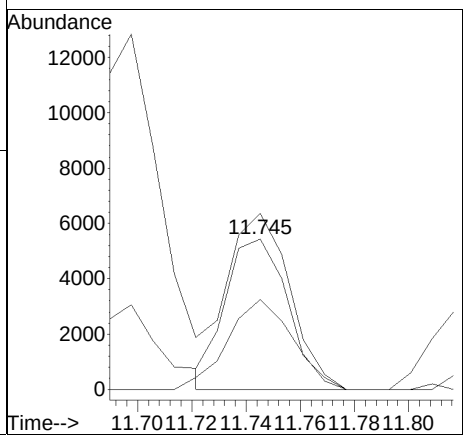


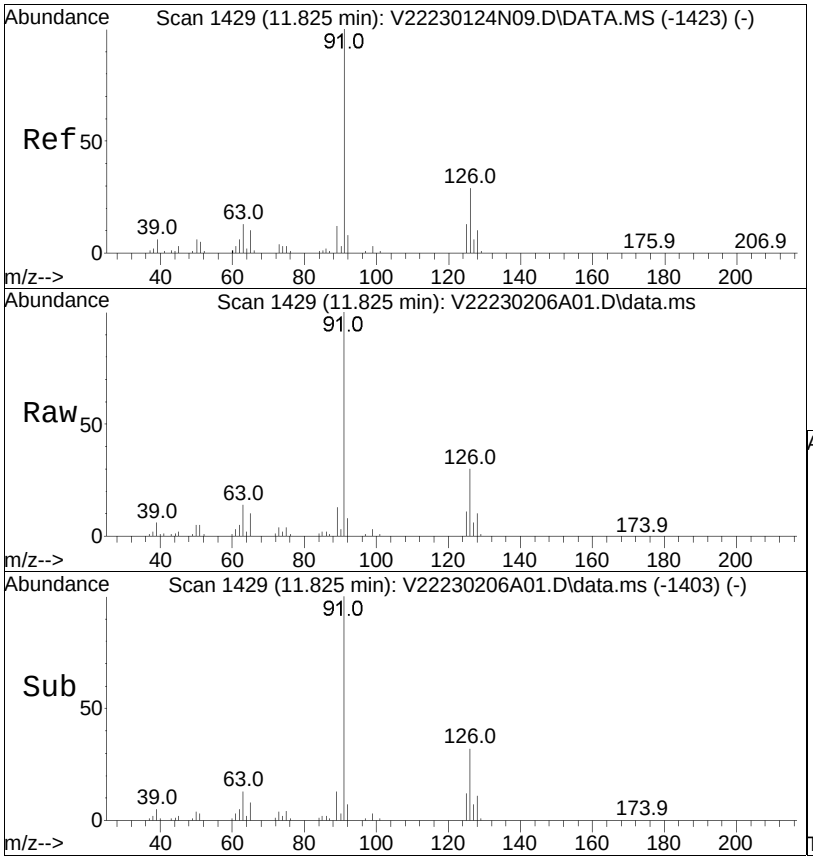


#96
trans-1,4-Dichloro-2-butene
Concen: 8.52 ug/L
RT: 11.745 min Scan# 1419
Delta R.T. 0.000 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 53 Resp: 8716

Ion	Ratio	Lower	Upper
53	100		
88	61.9	46.3	69.5
75	118.2	109.0	163.4

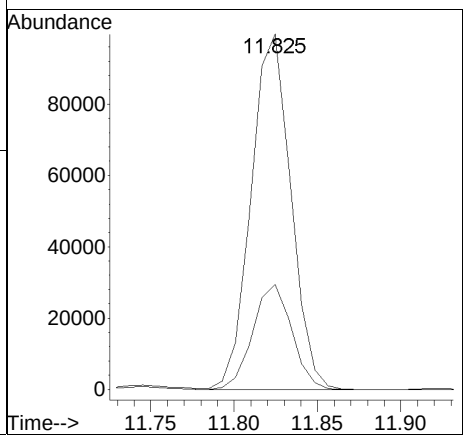


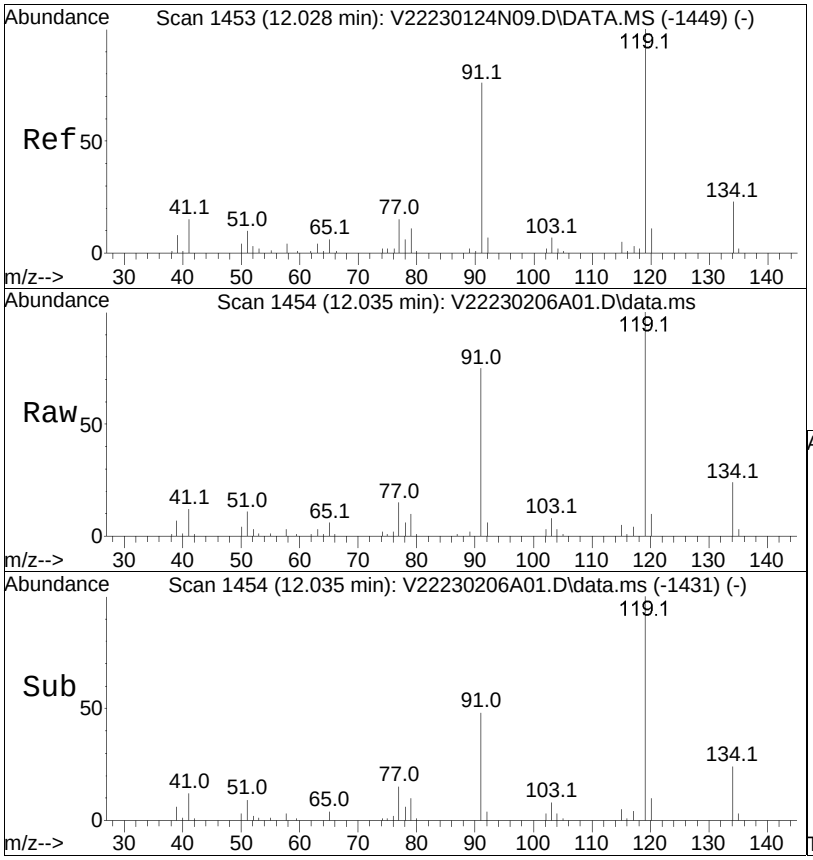


#97
4-Chlorotoluene
Concen: 9.14 ug/L
RT: 11.825 min Scan# 1429
Delta R.T. 0.003 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 91 Resp: 165189

Ion	Ratio	Lower	Upper
91	100		
126	28.9	28.5	42.7

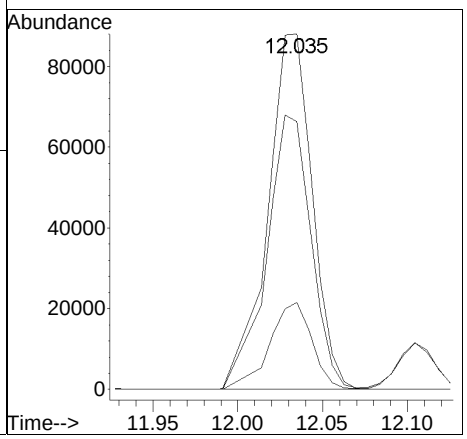


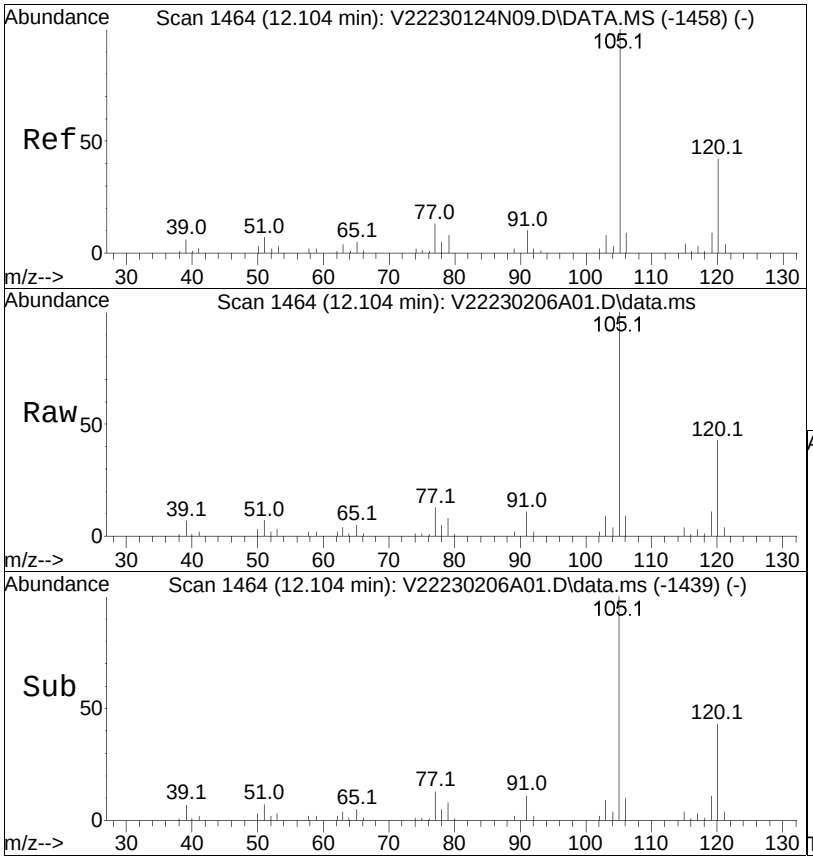


#98
tert-Butylbenzene
Concen: 9.08 ug/L
RT: 12.035 min Scan# 1454
Delta R.T. -0.003 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:119 Resp: 180805

Ion	Ratio	Lower	Upper
119	100		
91	78.2	50.2	75.4#
134	23.2	20.8	31.2

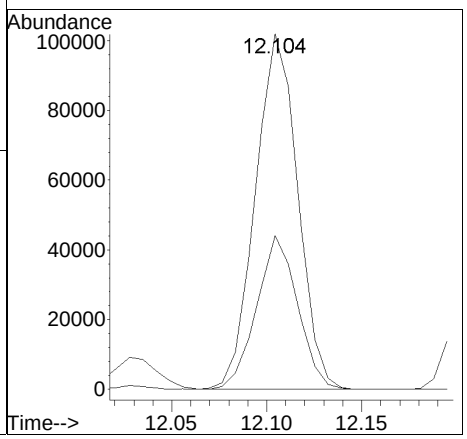


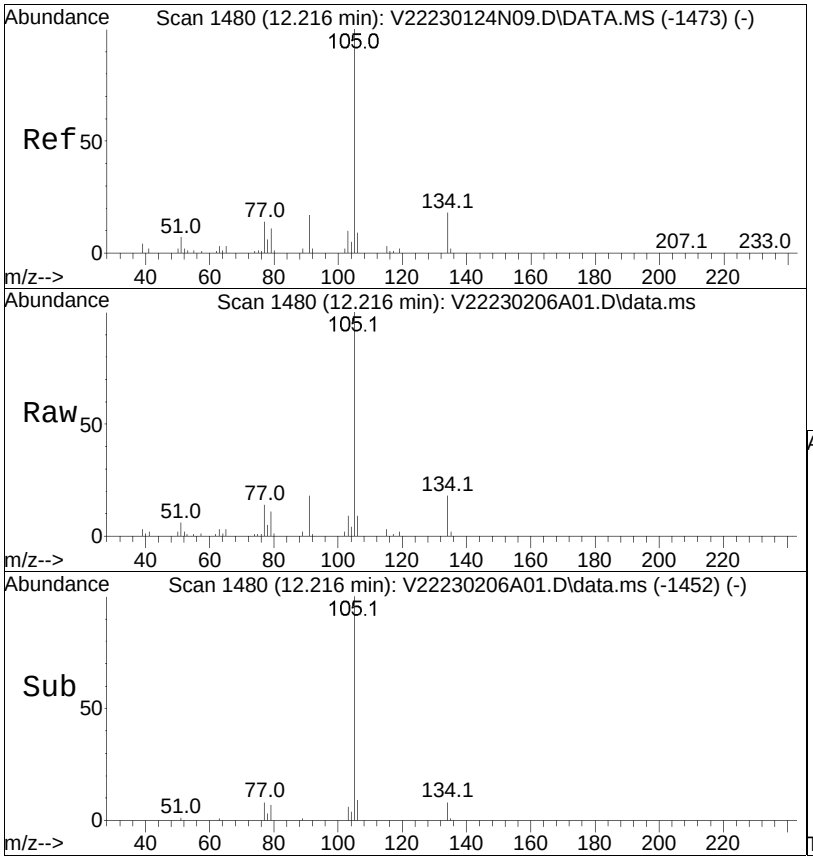


#101
1,2,4-Trimethylbenzene
Concen: 8.41 ug/L
RT: 12.104 min Scan# 1464
Delta R.T. -0.003 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:105 Resp: 158137

Ion	Ratio	Lower	Upper
105	100		
120	41.8	38.5	57.7

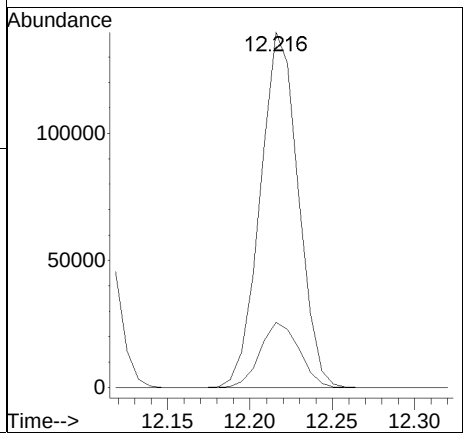


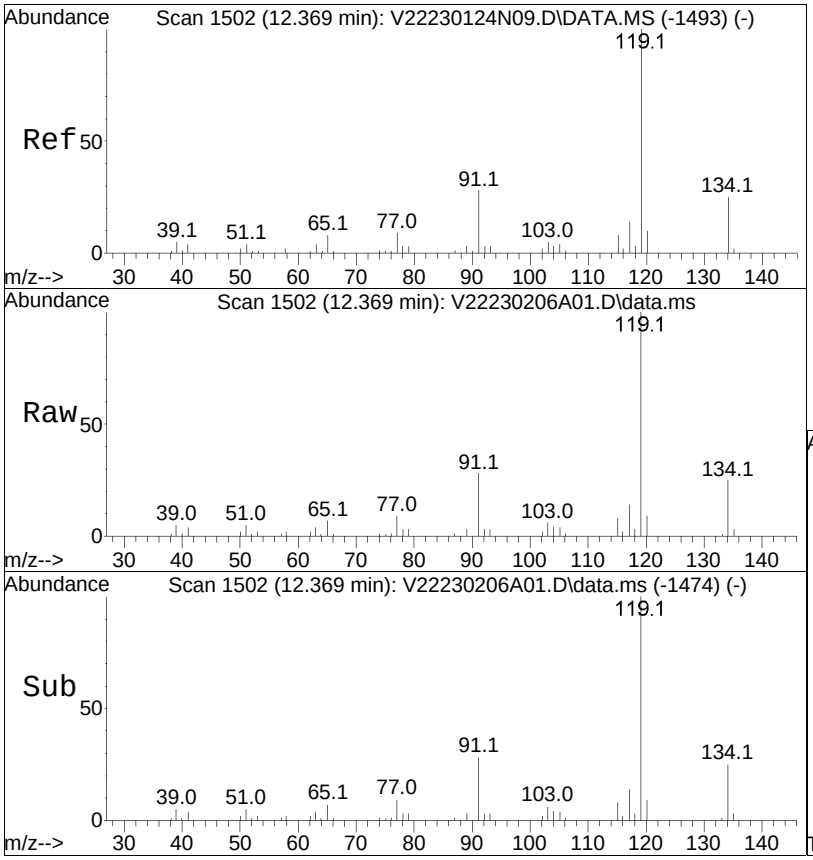


#102
sec-Butylbenzene
Concen: 9.18 ug/L
RT: 12.216 min Scan# 1480
Delta R.T. -0.003 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:105 Resp: 224443

Ion	Ratio	Lower	Upper
105	100		
134	18.7	13.9	28.9

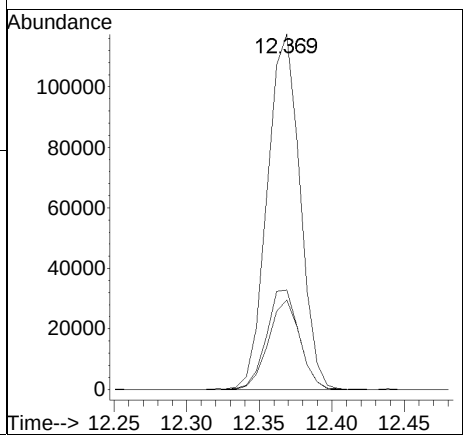


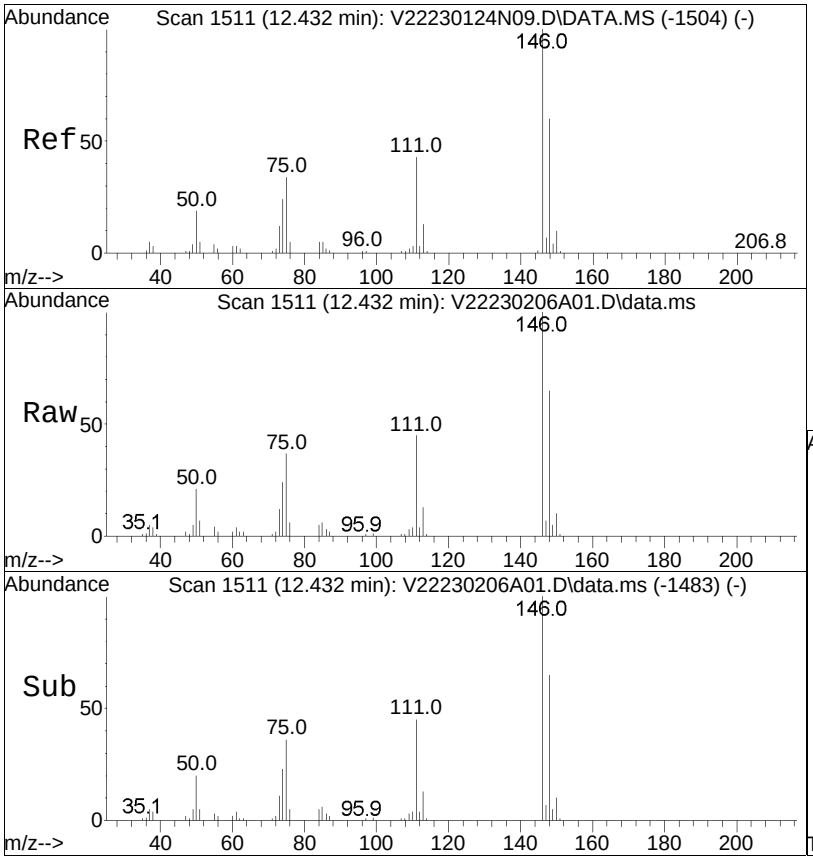


#103
p-Isopropyltoluene
Concen: 9.07 ug/L
RT: 12.369 min Scan# 1502
Delta R.T. -0.003 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:119 Resp: 183712

Ion	Ratio	Lower	Upper
119	100		
134	24.5	17.7	36.7
91	27.9	14.1	29.3

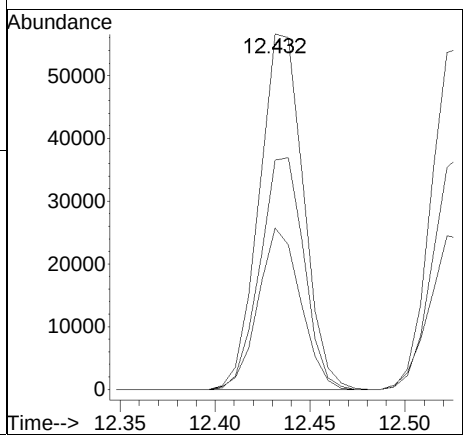


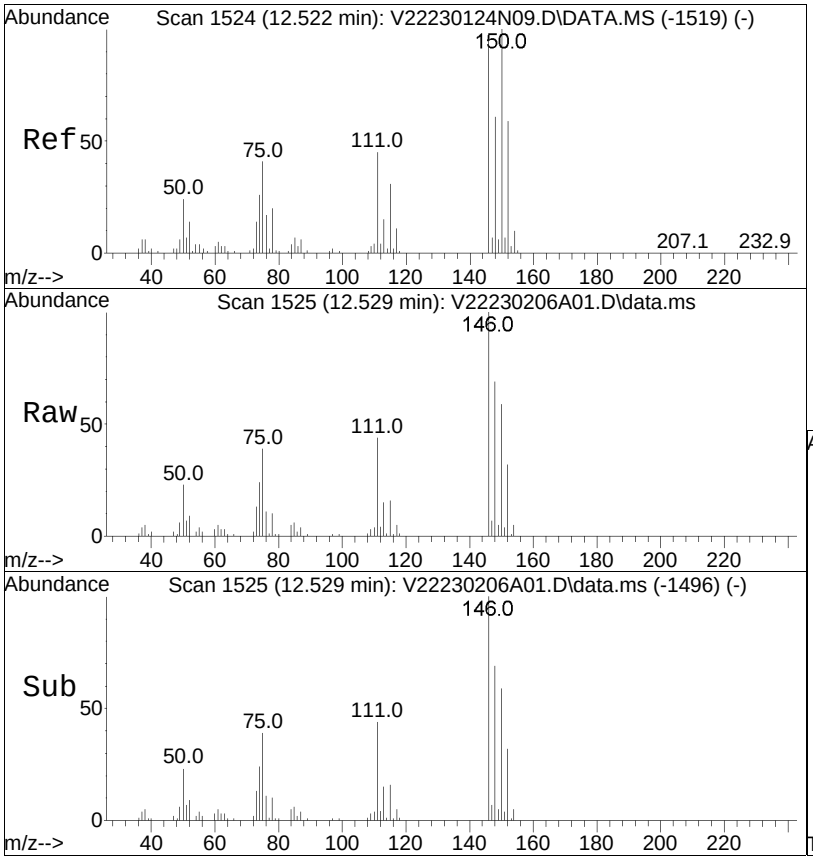


#104
1,3-Dichlorobenzene
Concen: 9.13 ug/L
RT: 12.432 min Scan# 1511
Delta R.T. -0.002 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:146 Resp: 91673

Ion	Ratio	Lower	Upper
146	100		
111	43.5	24.0	49.8
148	64.5	41.8	86.8

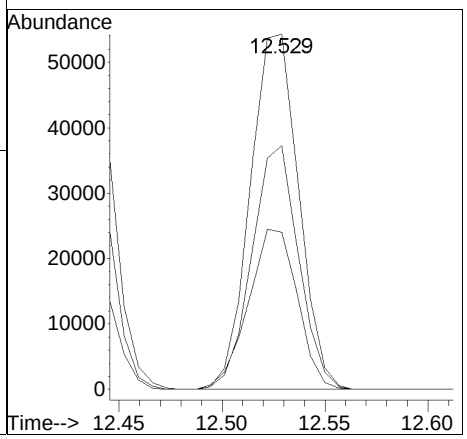


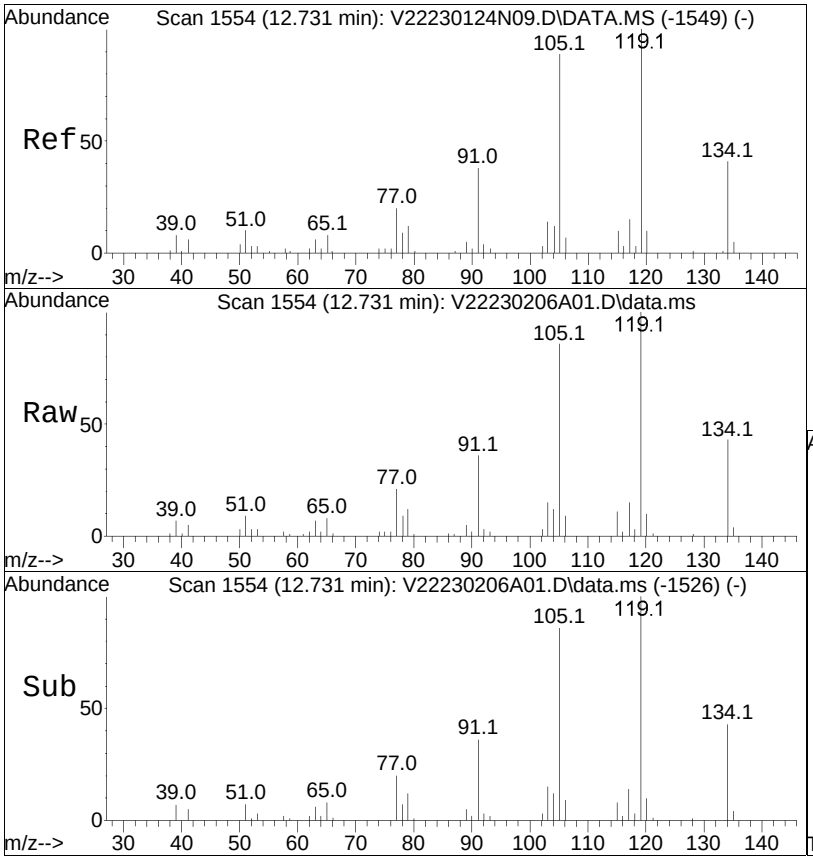


#105
1,4-Dichlorobenzene
Concen: 8.90 ug/L
RT: 12.529 min Scan# 1525
Delta R.T. 0.004 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:146 Resp: 89025

Ion	Ratio	Lower	Upper
146	100		
111	45.8	28.9	43.3#
148	66.2	51.4	77.2

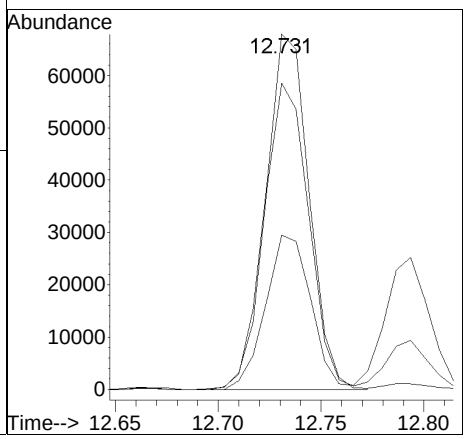


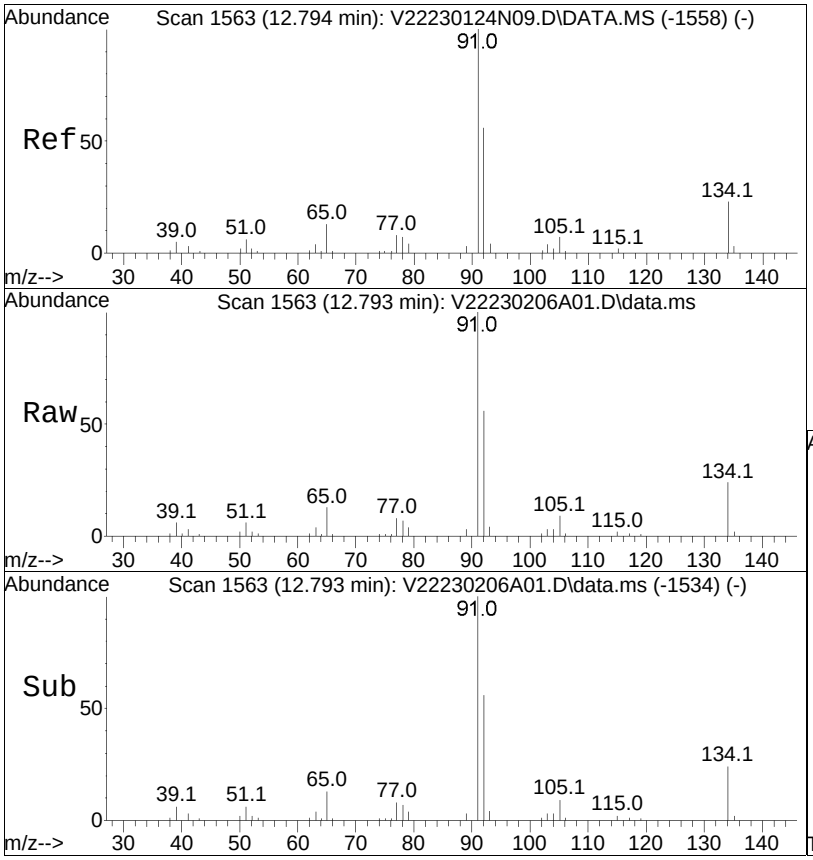


#106
p-Diethylbenzene
Concen: 8.56 ug/L
RT: 12.731 min Scan# 1554
Delta R.T. -0.003 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:119 Resp: 100311

Ion	Ratio	Lower	Upper
119	100		
105	87.6	53.4	110.8
134	45.1	30.9	64.1

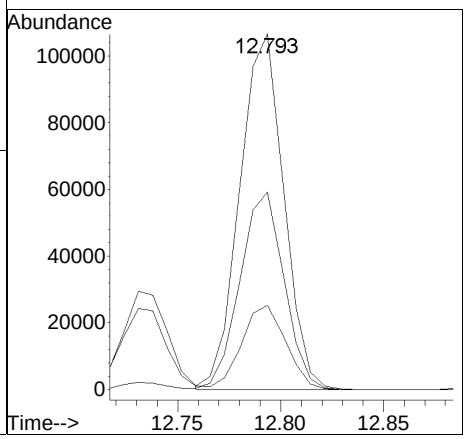


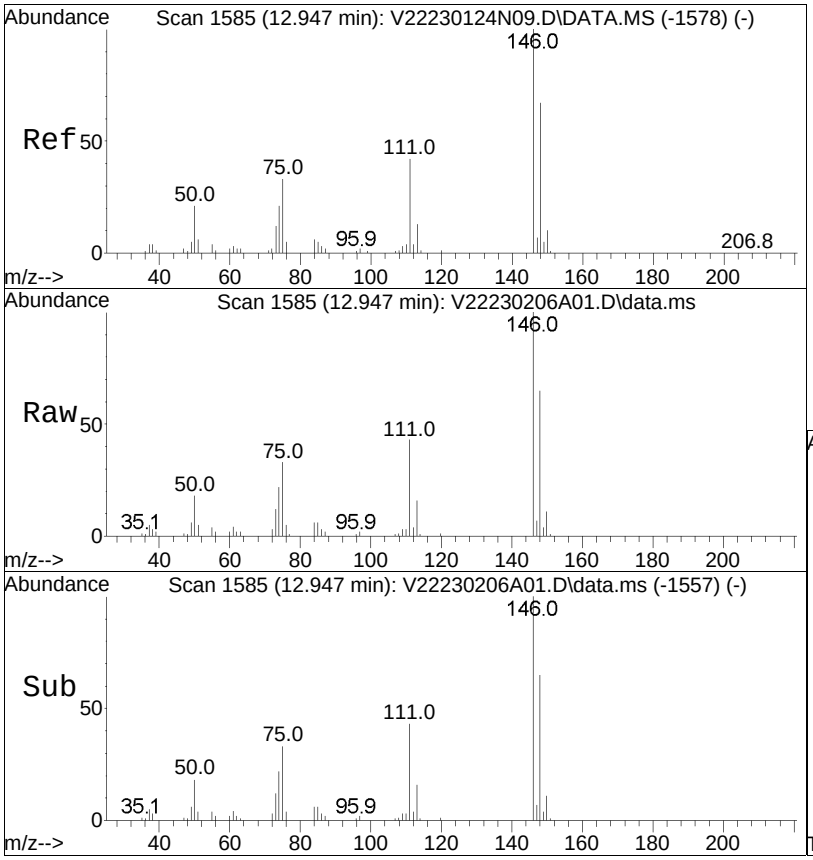


#107
n-Butylbenzene
Concen: 8.81 ug/L
RT: 12.793 min Scan# 1563
Delta R.T. 0.004 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion: 91 Resp: 158617

Ion	Ratio	Lower	Upper
91	100		
92	55.6	44.6	66.8
134	23.6	22.9	34.3

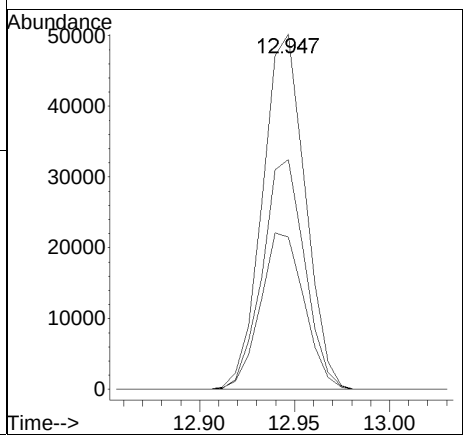


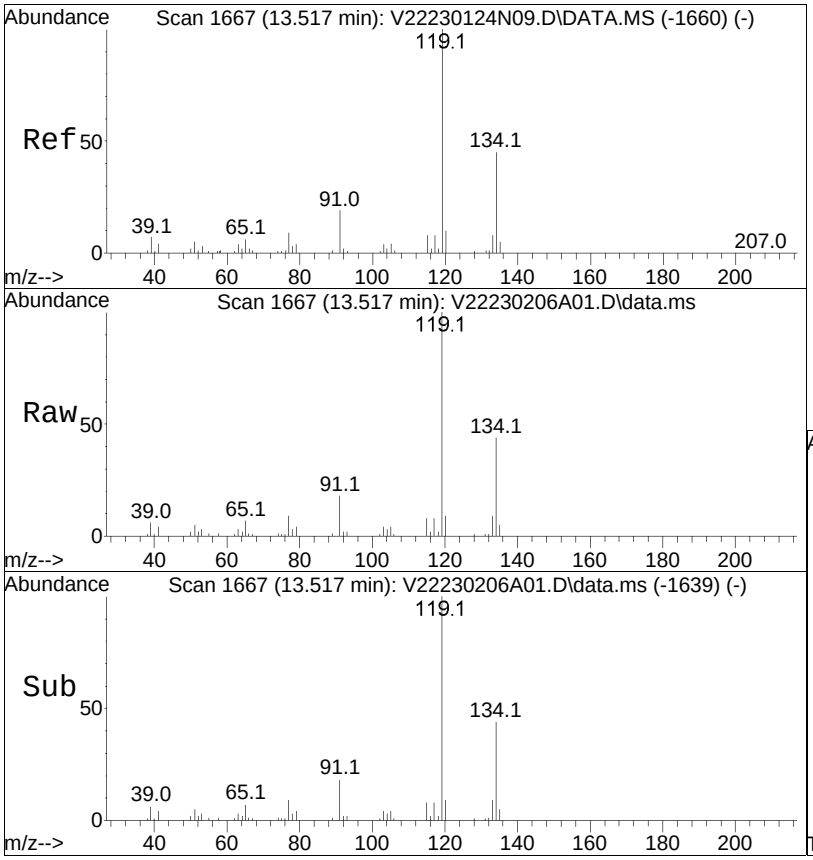


#108
1,2-Dichlorobenzene
Concen: 8.90 ug/L
RT: 12.947 min Scan# 1585
Delta R.T. -0.002 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:146 Resp: 78551

Ion	Ratio	Lower	Upper
146	100		
111	45.2	24.8	51.6
148	64.1	42.2	87.6

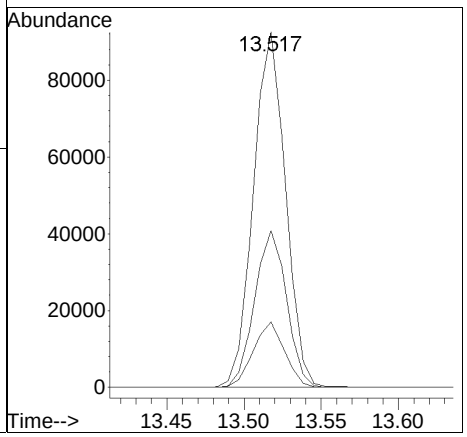


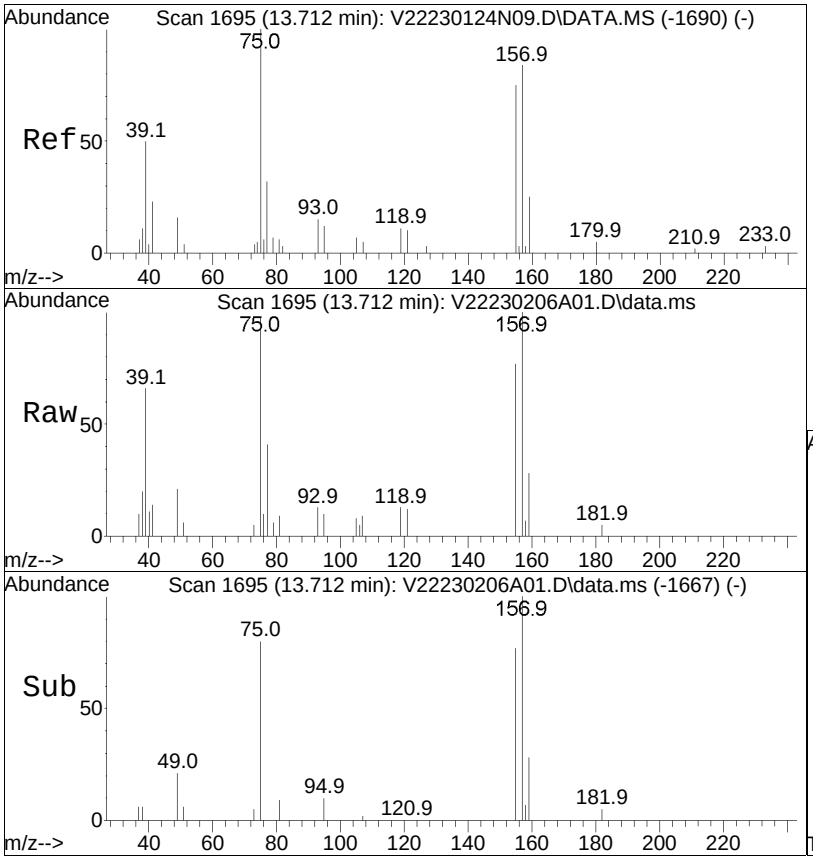


#109
1,2,4,5-Tetramethylbenzene
Concen: 8.63 ug/L
RT: 13.517 min Scan# 1667
Delta R.T. -0.003 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:119 Resp: 133987

Ion	Ratio	Lower	Upper
119	100		
134	43.9	31.9	66.1
91	18.0	9.8	20.3

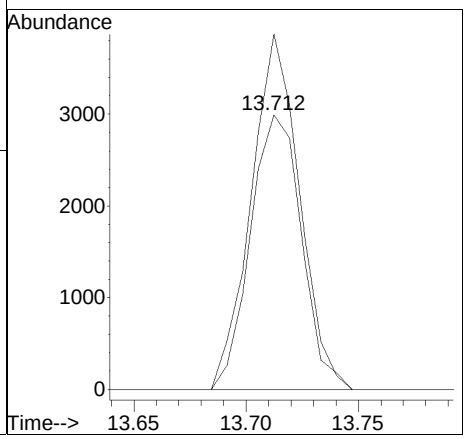


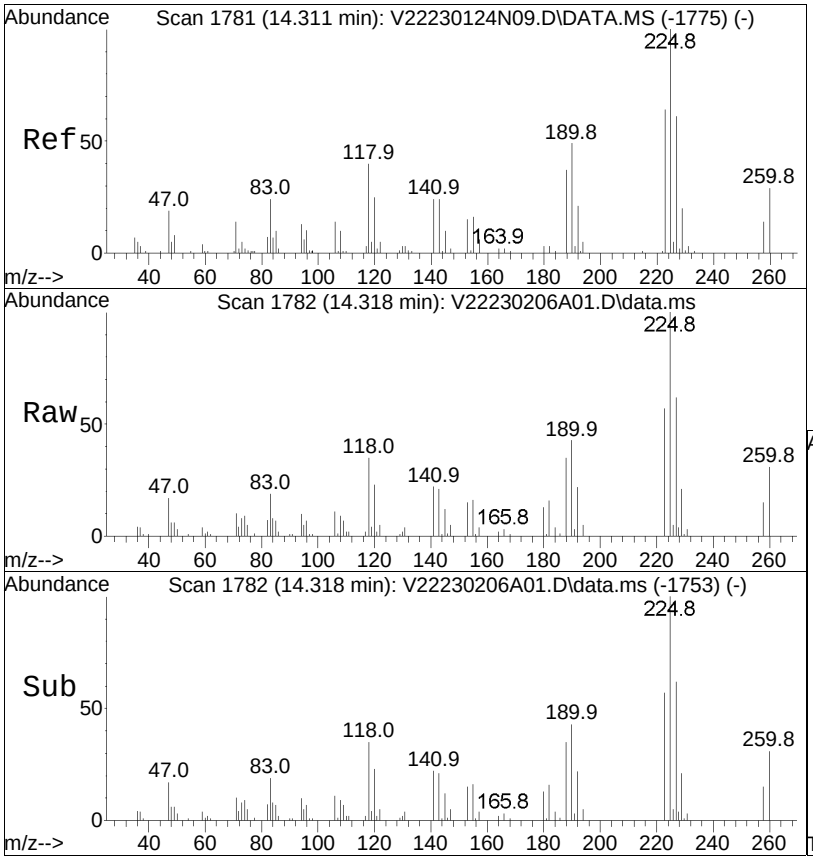


#110
1,2-Dibromo-3-chloropropane
Concen: 9.03 ug/L
RT: 13.712 min Scan# 1695
Delta R.T. -0.003 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:155 Resp: 4727

Ion	Ratio	Lower	Upper
155	100		
157	122.7	102.3	153.5

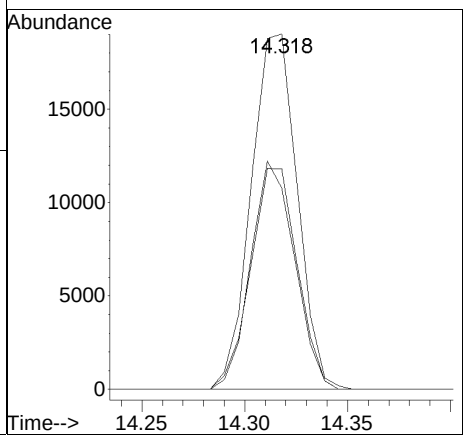


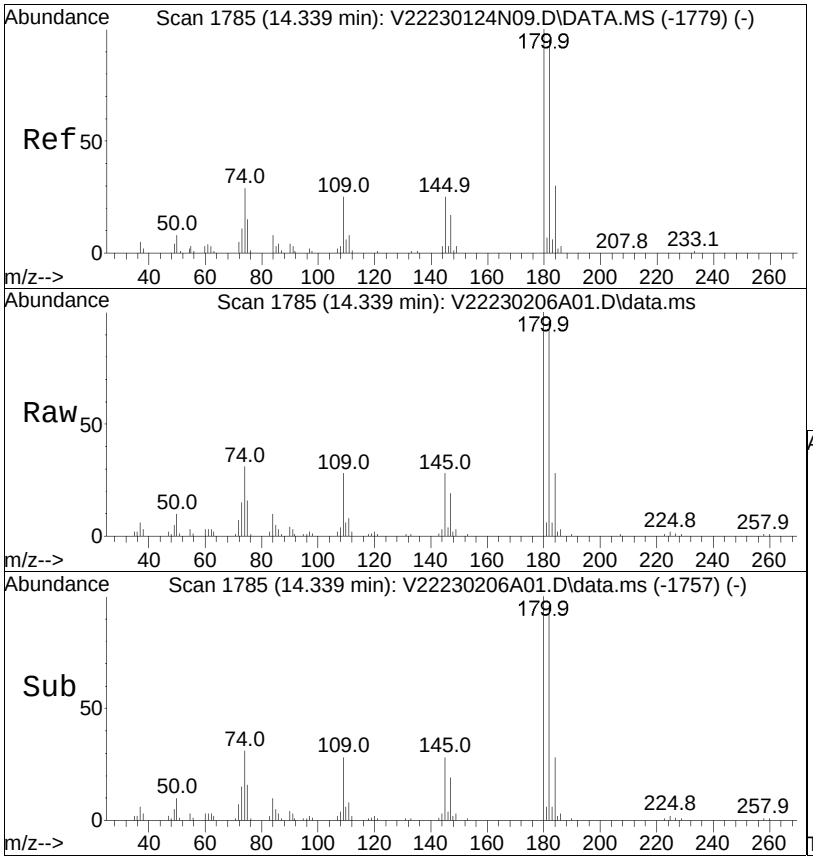


#112
Hexachlorobutadiene
Concen: 9.37 ug/L
RT: 14.318 min Scan# 1782
Delta R.T. 0.004 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:225 Resp: 29682

Ion	Ratio	Lower	Upper
225	100		
223	61.1	49.8	74.8
227	63.0	52.2	78.4

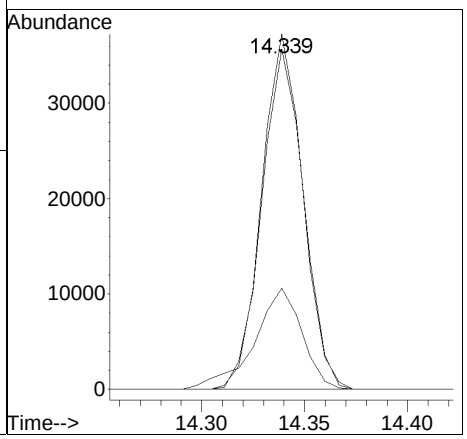


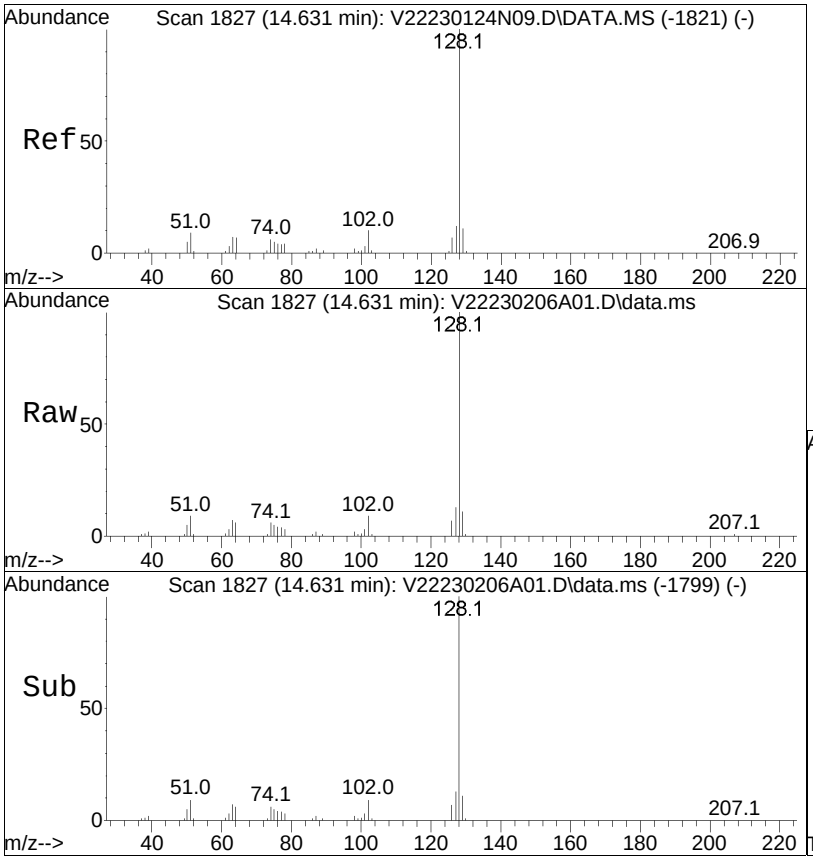


#113
1,2,4-Trichlorobenzene
Concen: 8.85 ug/L
RT: 14.339 min Scan# 1785
Delta R.T. -0.003 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:180 Resp: 51701

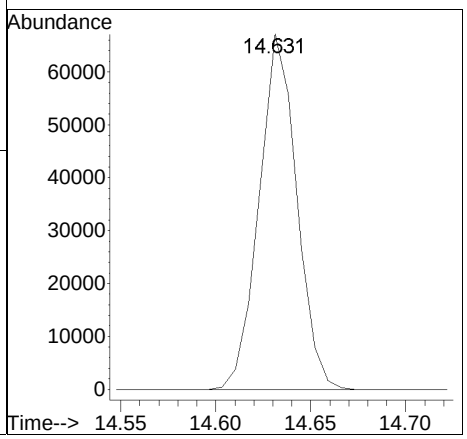
Ion	Ratio	Lower	Upper
180	100		
182	97.6	76.6	114.8
145	33.2	25.5	38.3

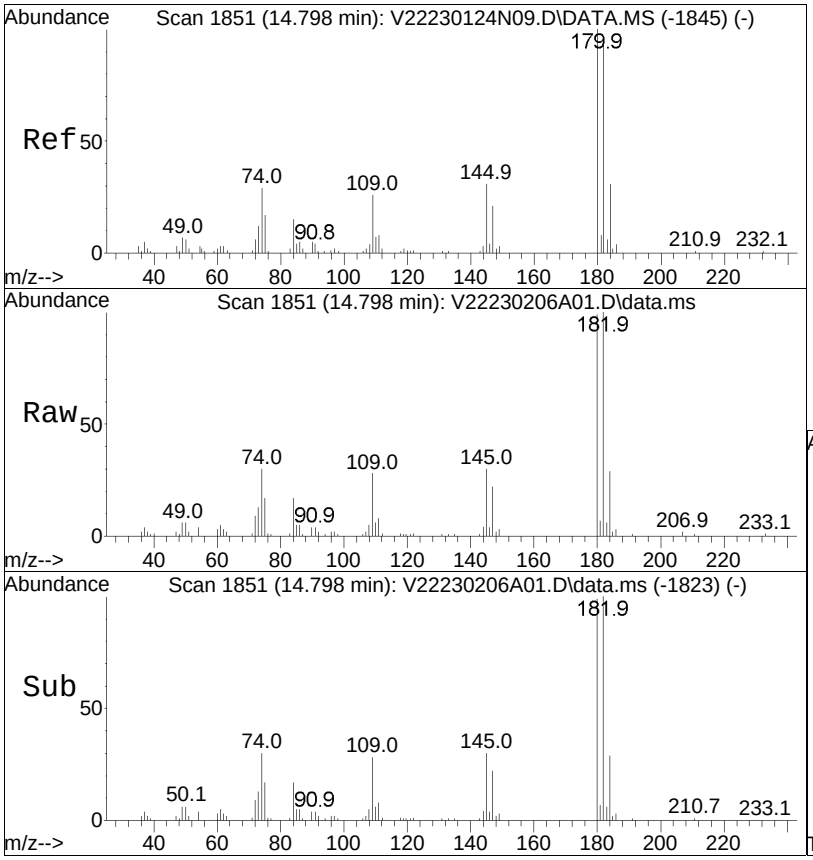




#114
Naphthalene
Concen: 8.44 ug/L
RT: 14.631 min Scan# 1827
Delta R.T. -0.003 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:128 Resp: 92491

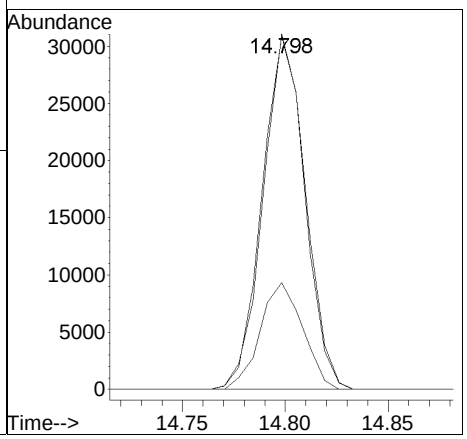




#115
1,2,3-Trichlorobenzene
Concen: 8.92 ug/L
RT: 14.798 min Scan# 1851
Delta R.T. -0.003 min
Lab File: V22230206A01.D
Acq: 06 Feb 2023 08:07 am

Tgt Ion:180 Resp: 44969

Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.0	114.0
145	29.8	23.8	35.8

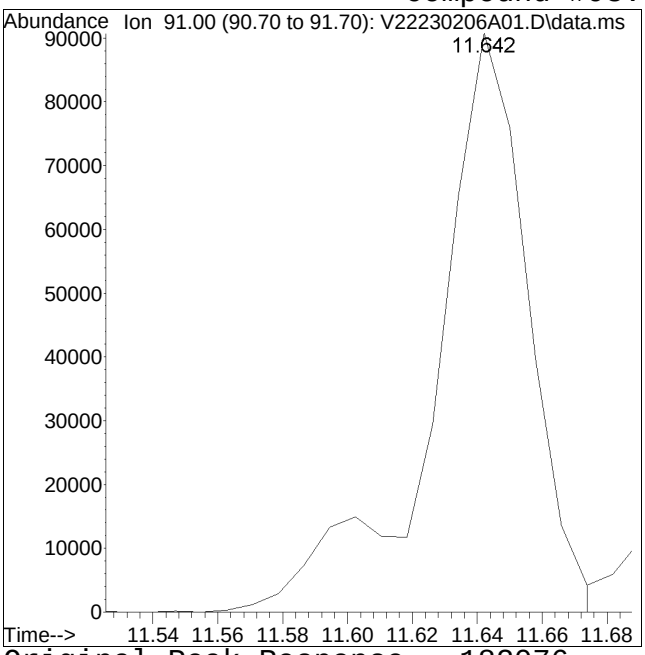


Manual Integration Report

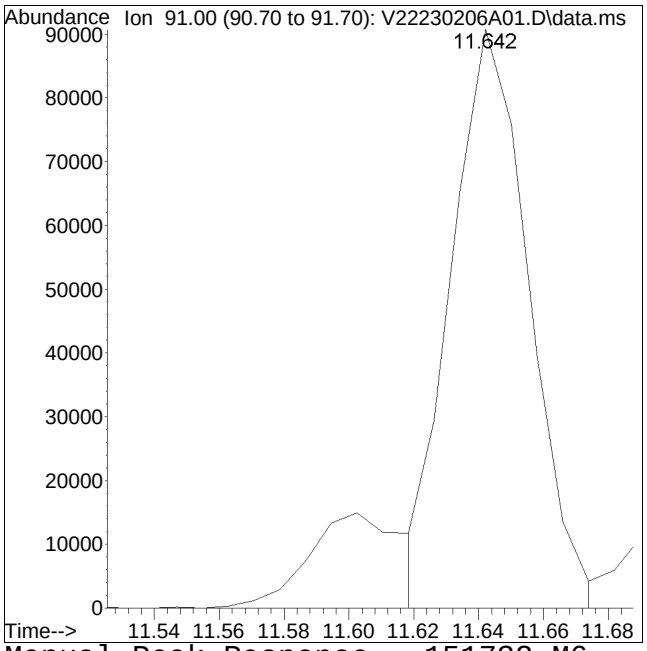
Data Path : I:\VOLATILES\VOA122\2023\2Q
Data File : V22230206A01.D
Date Inj'd : 2/6/2023 8:07 am
Sample : WG1741609-3,31,10,10

Method : V122_230124N_8260.m
Operator : VOA122:PID
Instrument : VOA122
Quant Date : 2/6/2023 8:33 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 182076



Manual Peak Response = 151732 M6

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206A02.D
Acq On : 06 Feb 2023 07:44 am
Operator : VOA111:NLK
Sample : WG1741518-3,31,5,5
Misc : WG1741518,ICAL19665
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 06 08:12:13 2023
Quant Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230206A\V11230206A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	77898	20.000	ug/L	0.00
Standard Area 1 = 81322			Recovery =	95.79%		
59) Chlorobenzene-d5	9.846	117	57545	20.000	ug/L	0.00
Standard Area 1 = 59466			Recovery =	96.77%		
79) 1,4-Dichlorobenzene-d4	12.488	152	30145	20.000	ug/L	0.00
Standard Area 1 = 31406			Recovery =	95.98%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.431	113	20142	20.161	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.81%		
43) 1,2-Dichloroethane-d4	5.971	65	20313	20.507	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.54%		
60) Toluene-d8	7.979	98	76638	20.546	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.73%		
83) 4-Bromofluorobenzene	11.298	95	25064	19.718	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.59%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	38225	41.971	ug/L	98
3) Chloromethane	1.897	50	45085	42.369	ug/L	97
4) Vinyl chloride	1.955	62	59124	45.094	ug/L	97
5) Bromomethane	2.296	94	60476	41.987	ug/L	99
6) Chloroethane	2.432	64	28008	48.004	ug/L	98
7) Trichlorofluoromethane	2.584	101	55498	45.884	ug/L	100
8) Ethyl ether	2.899	74	17635	45.500	ug/L #	67
10) 1,1-Dichloroethene	3.108	96	33698	43.288	ug/L	82
11) Carbon disulfide	3.140	76	123448	71.001	ug/L	99
15) Methylene chloride	3.685	84	41151	36.497	ug/L	68
17) Acetone	3.722	43	11899	45.032	ug/L	94
18) trans-1,2-Dichloroethene	3.848	96	39255	42.303	ug/L	83
20) Methyl tert-butyl ether	3.947	73	92433	42.248	ug/L	86
23) 1,1-Dichloroethane	4.451	63	71203	42.433	ug/L	96
25) Acrylonitrile	4.487	53	9725	43.722	ug/L	95
27) Vinyl acetate	4.687	43	82682	44.994	ug/L #	92
28) cis-1,2-Dichloroethene	4.985	96	43135	41.032	ug/L #	82
29) 2,2-Dichloropropane	5.096	77	60491	44.047	ug/L	90
30) Bromochloromethane	5.179	128	19810	40.563	ug/L #	69
32) Chloroform	5.253	83	74153	41.928	ug/L	95

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206A02.D
Acq On : 06 Feb 2023 07:44 am
Operator : VOA111:NLK
Sample : WG1741518-3,31,5,5
Misc : WG1741518,ICAL19665
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 06 08:12:13 2023
Quant Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230206A\V11230206A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	5.400	117	52436	43.360	ug/L		98
37) 1,1,1-Trichloroethane	5.468	97	57592	43.735	ug/L		97
39) 2-Butanone	5.546	43	15382	44.819	ug/L		94
40) 1,1-Dichloropropene	5.588	75	50474	44.021	ug/L		99
41) Benzene	5.840	78	154144	41.877	ug/L	#	89
44) 1,2-Dichloroethane	6.039	62	49977	40.064	ug/L		98
48) Trichloroethene	6.448	95	42083	44.587	ug/L		97
50) Dibromomethane	6.889	93	24233	41.261	ug/L		94
51) 1,2-Dichloropropane	6.999	63	40479	41.953	ug/L		97
54) Bromodichloromethane	7.062	83	55629	41.217	ug/L		99
57) 1,4-Dioxane	7.282	88	16346	2121.724	ug/L	#	72
58) cis-1,3-Dichloropropene	7.764	75	65361	42.576	ug/L		89
61) Toluene	8.042	92	94263	42.382	ug/L		94
62) 4-Methyl-2-pentanone	8.467	58	11275	39.241	ug/L	#	81
63) Tetrachloroethene	8.493	166	38599	44.972	ug/L		98
65) trans-1,3-Dichloropropene	8.519	75	59097	42.723	ug/L		84
68) 1,1,2-Trichloroethane	8.708	83	27920	42.250	ug/L		99
69) Chlorodibromomethane	8.923	129	39466	42.346	ug/L		97
70) 1,3-Dichloropropane	9.033	76	56802	42.531	ug/L		99
71) 1,2-Dibromoethane	9.206	107	32572	43.805	ug/L		98
72) 2-Hexanone	9.479	43	21461	44.762	ug/L		92
73) Chlorobenzene	9.867	112	107716	41.458	ug/L	#	89
74) Ethylbenzene	9.903	91	183163	43.711	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.945	131	39298	44.131	ug/L		99
76) p/m Xylene	10.092	106	142479	89.260	ug/L		100
77) o Xylene	10.616	106	137618	89.204	ug/L		99
78) Styrene	10.679	104	237851	91.306	ug/L		96
80) Bromoform	10.700	173	24080	39.957	ug/L		98
82) Isopropylbenzene	10.989	105	181056	44.335	ug/L		99
84) Bromobenzene	11.413	156	44074	40.532	ug/L		97
85) n-Propylbenzene	11.455	91	228507	44.769	ug/L		98
87) 1,1,2,2-Tetrachloroethane	11.529	83	43221	42.249	ug/L		99
88) 4-Ethyltoluene	11.576	105	186722	45.644	ug/L		100
89) 2-Chlorotoluene	11.618	91	126950	42.402	ug/L		89
90) 1,3,5-Trimethylbenzene	11.670	105	155746	44.730	ug/L		100
91) 1,2,3-Trichloropropane	11.670	75	34010	42.382	ug/L		98
92) trans-1,4-Dichloro-2-b...	11.718	53	12839	48.035	ug/L	#	79
93) 4-Chlorotoluene	11.796	91	135712	43.613	ug/L		99
94) tert-Butylbenzene	12.006	119	129991	44.220	ug/L		98

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206A02.D
Acq On : 06 Feb 2023 07:44 am
Operator : VOA111:NLK
Sample : WG1741518-3,31,5,5
Misc : WG1741518,ICAL19665
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 06 08:12:13 2023
Quant Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230206A\V11230206A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	12.085	105	153192	44.189	ug/L	100
98) sec-Butylbenzene	12.195	105	204264	45.896	ug/L	98
99) p-Isopropyltoluene	12.347	119	173652	45.724	ug/L	99
100) 1,3-Dichlorobenzene	12.415	146	89949	42.716	ug/L	100
101) 1,4-Dichlorobenzene	12.504	146	90290	41.746	ug/L	99
102) p-Diethylbenzene	12.714	119	104905	46.000	ug/L	99
103) n-Butylbenzene	12.771	91	165509	47.252	ug/L	98
104) 1,2-Dichlorobenzene	12.923	146	83126	41.710	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.500	119	159038	44.650	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.694	155	6403	42.377	ug/L	98
108) Hexachlorobutadiene	14.297	225	28002	45.283	ug/L	99
109) 1,2,4-Trichlorobenzene	14.323	180	56654	45.087	ug/L	99
110) Naphthalene	14.612	128	116245	43.032	ug/L	100
111) 1,2,3-Trichlorobenzene	14.780	180	47724	45.492	ug/L	97

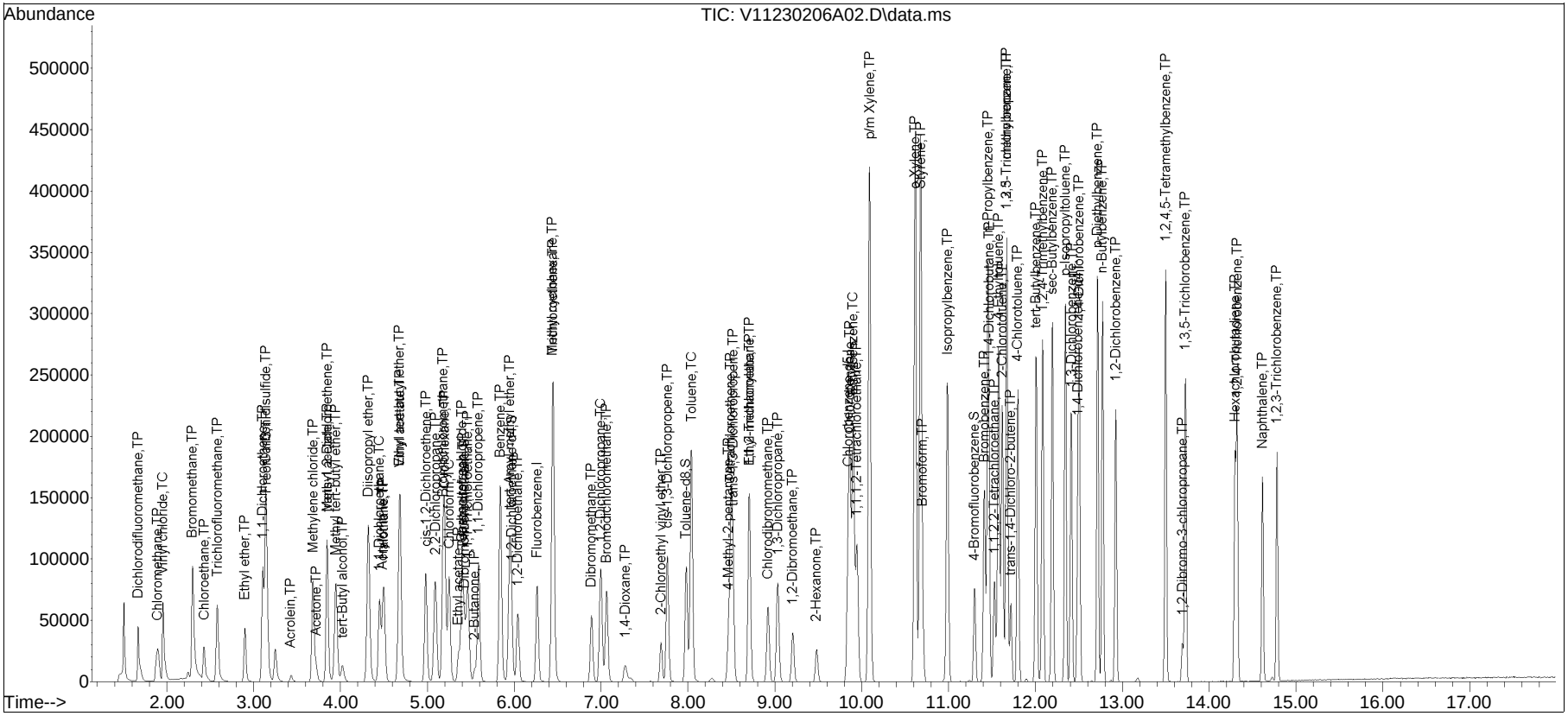
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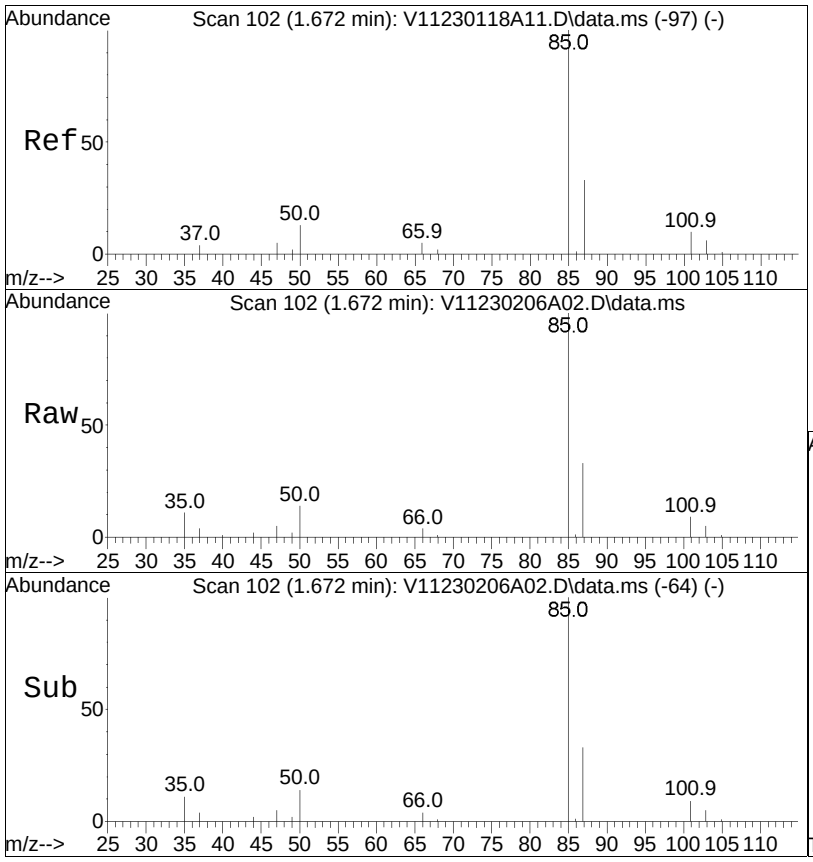
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206A02.D
Acq On : 06 Feb 2023 07:44 am
Operator : VOA111:NLK
Sample : WG1741518-3,31,5,5
Misc : WG1741518,ICAL19665
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 06 08:12:13 2023
Quant Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox6A\V11230206A01.D•

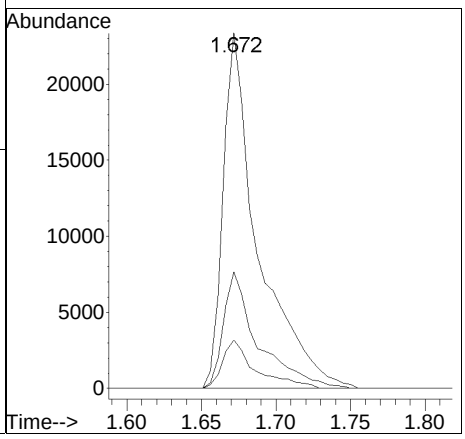


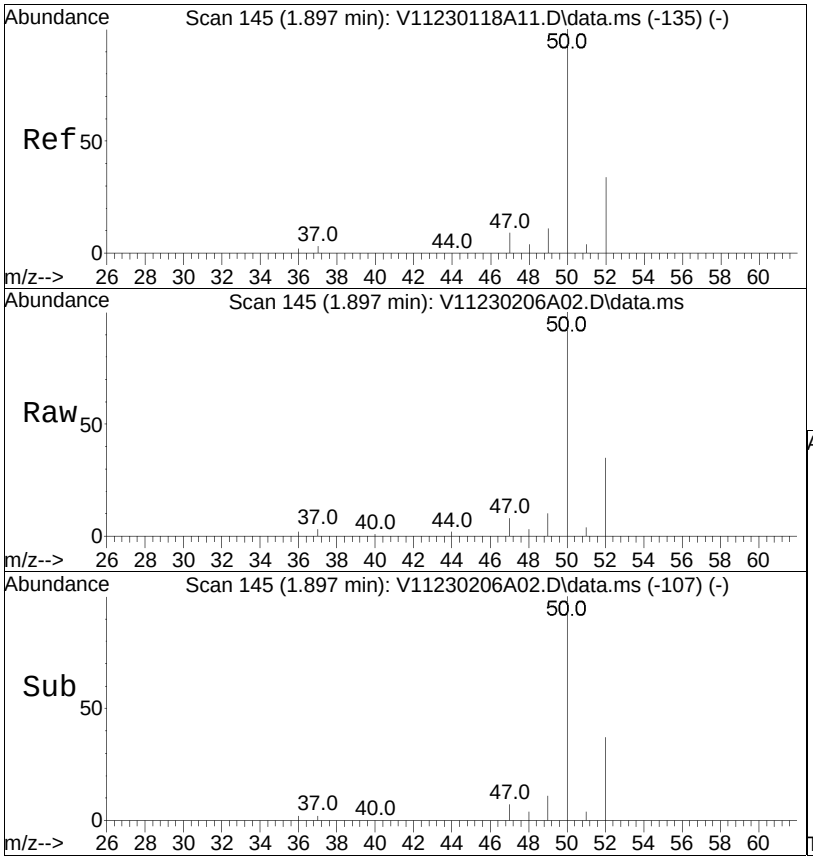


#2
Dichlorodifluoromethane
Concen: 41.97 ug/L
RT: 1.672 min Scan# 102
Delta R.T. -0.000 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 85 Resp: 38225

Ion	Ratio	Lower	Upper
85	100		
87	32.5	20.7	43.1
50	12.9	9.8	20.3

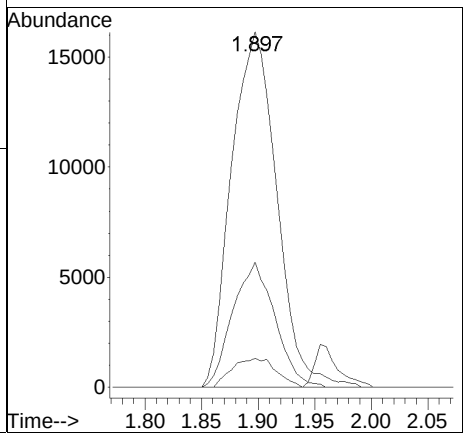


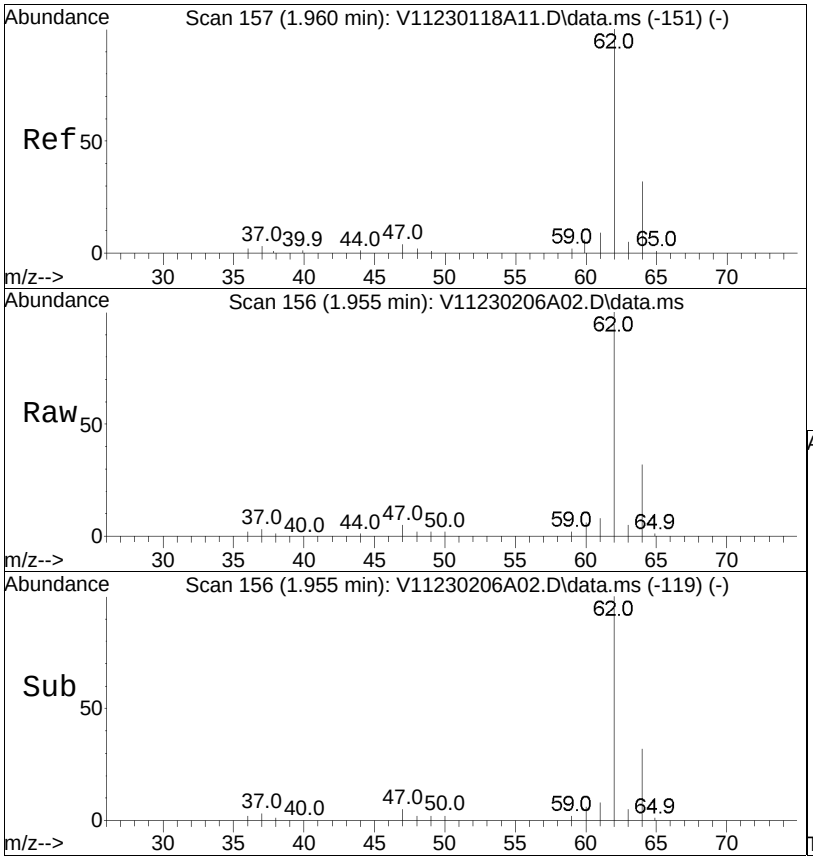


#3
Chloromethane
Concen: 42.37 ug/L
RT: 1.897 min Scan# 145
Delta R.T. 0.000 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 50 Resp: 45085

Ion	Ratio	Lower	Upper
50	100		
52	32.8	10.9	50.9
47	8.0	0.0	27.2

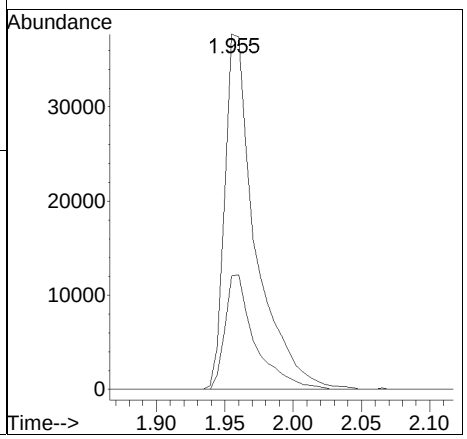


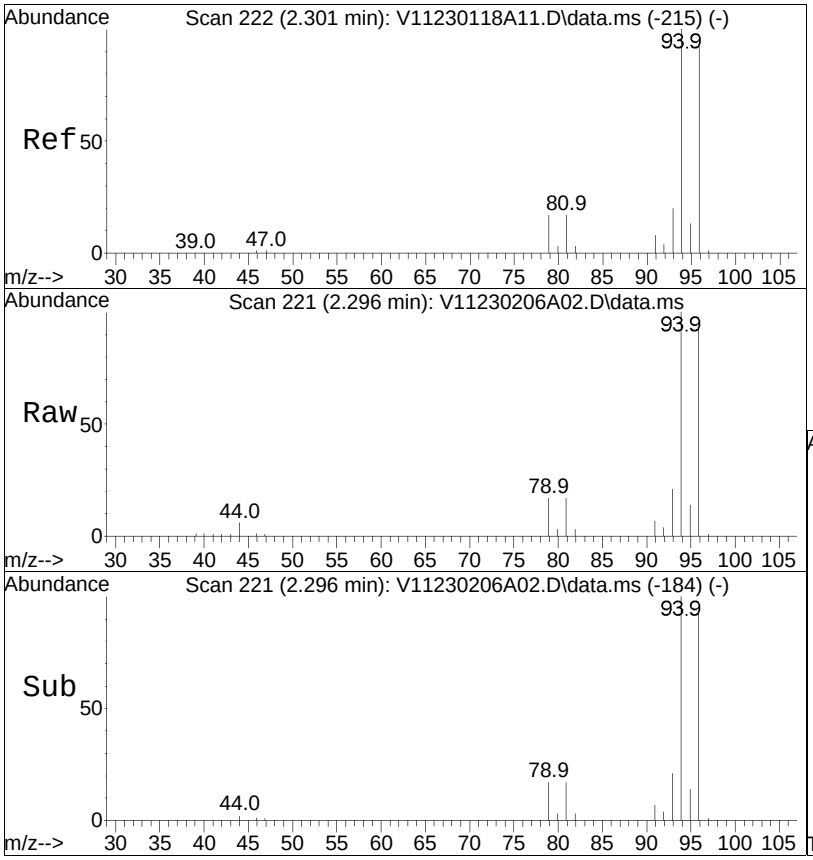


#4
Vinyl chloride
Concen: 45.09 ug/L
RT: 1.955 min Scan# 156
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 62 Resp: 59124

Ion	Ratio	Lower	Upper
62	100		
64	31.6	9.9	49.9

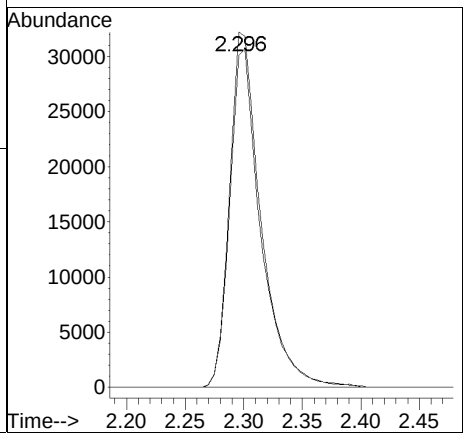


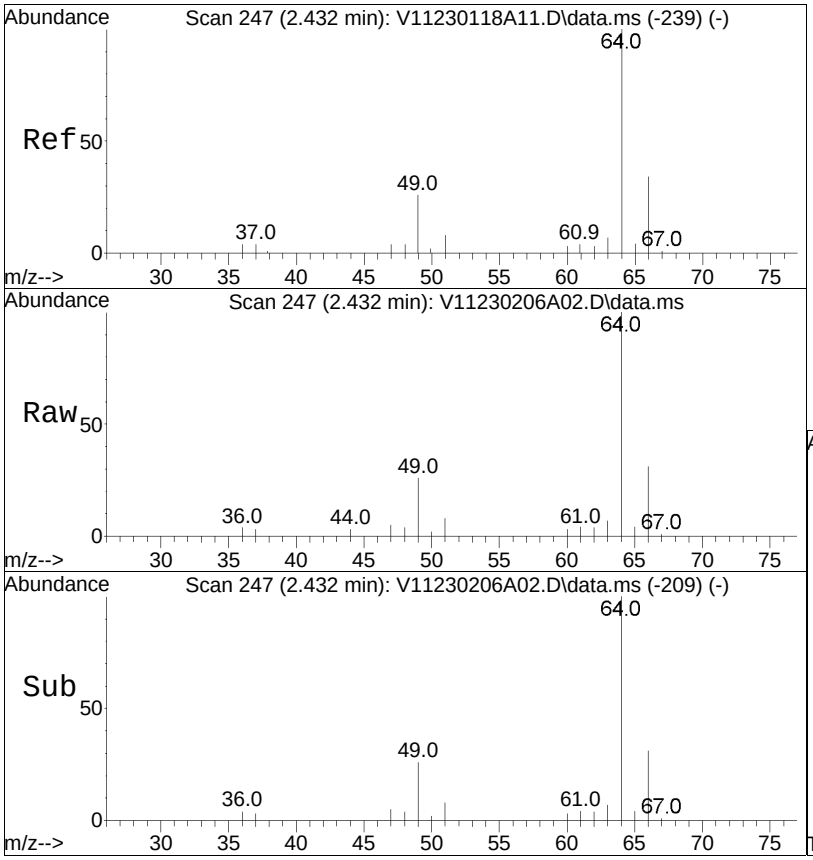


#5
Bromomethane
Concen: 41.99 ug/L
RT: 2.296 min Scan# 221
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 94 Resp: 60476

Ion	Ratio	Lower	Upper
94	100		
96	94.0	72.6	112.6

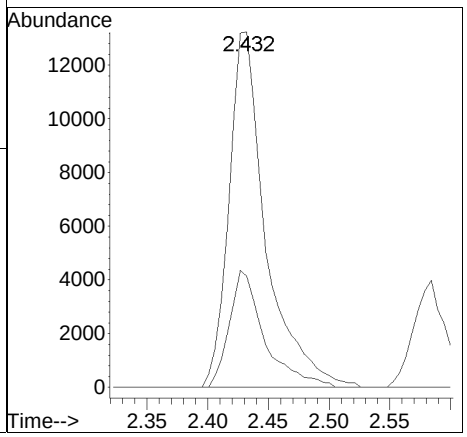


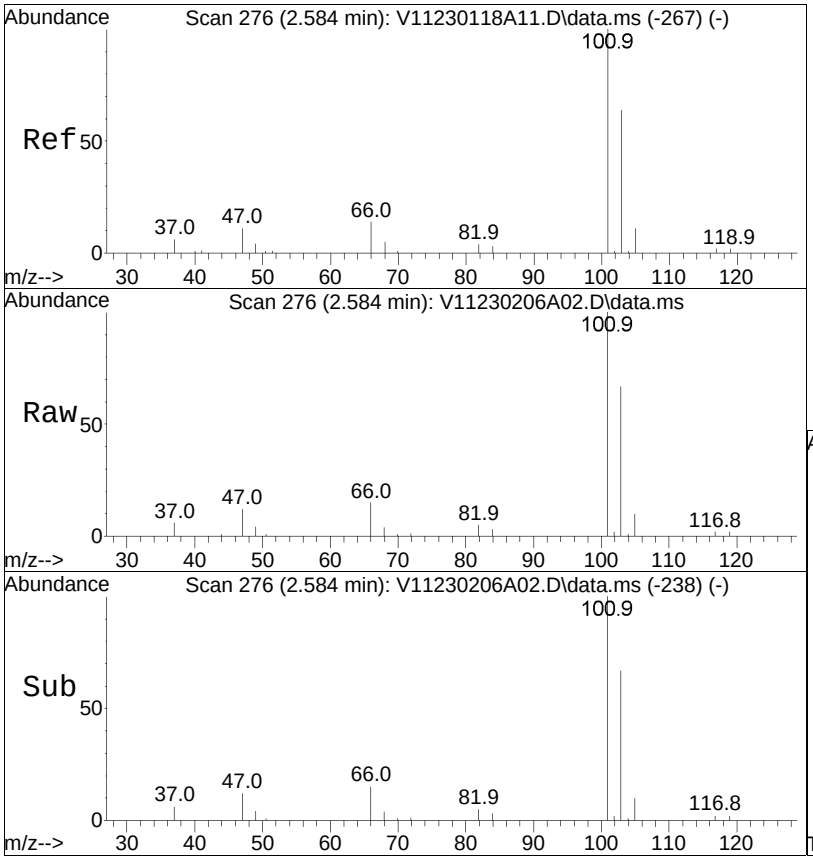


#6
Chloroethane
Concen: 48.00 ug/L
RT: 2.432 min Scan# 247
Delta R.T. 0.000 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 64 Resp: 28008

Ion	Ratio	Lower	Upper
64	100		
66	31.5	10.2	50.2

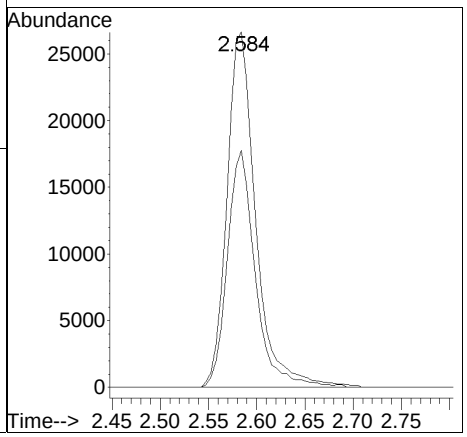


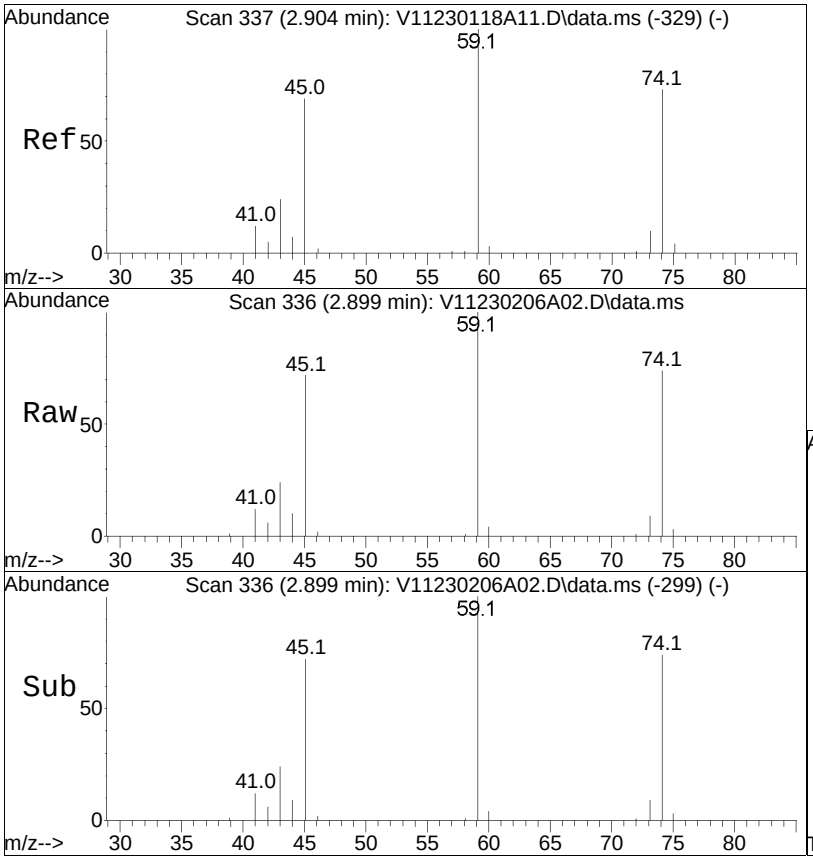


#7
Trichlorofluoromethane
Concen: 45.88 ug/L
RT: 2.584 min Scan# 276
Delta R.T. 0.000 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:101 Resp: 55498

Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.8	77.6

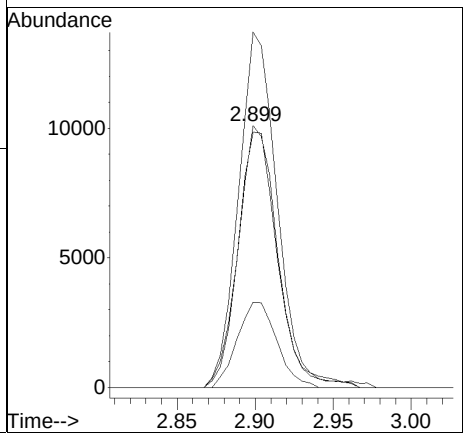


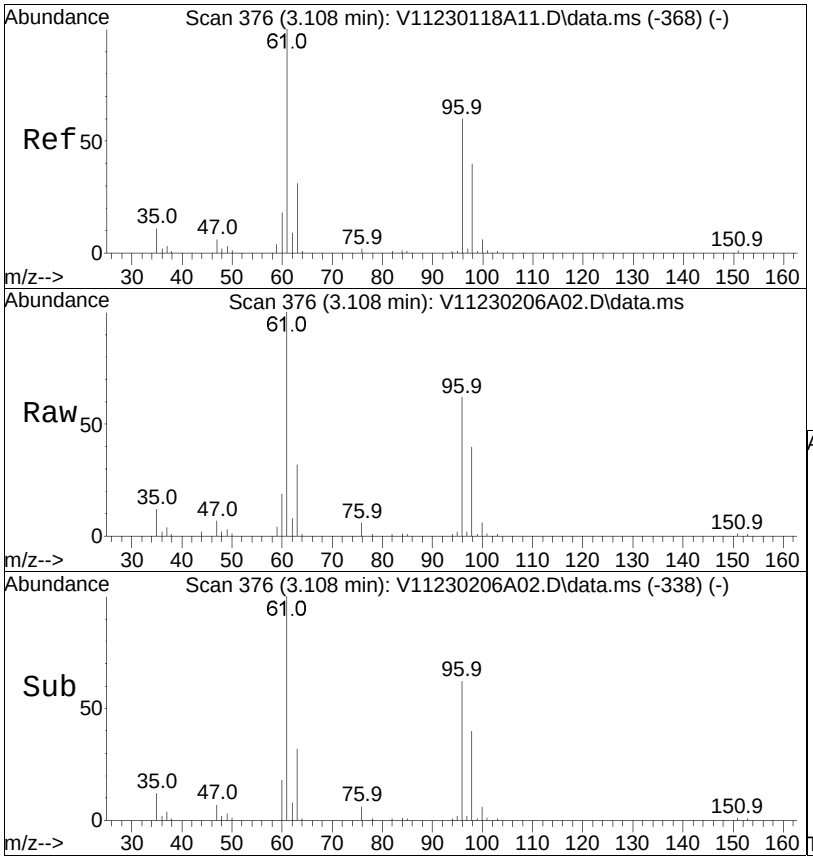


#8
Ethyl ether
Concen: 45.50 ug/L
RT: 2.899 min Scan# 336
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 74 Resp: 17635

Ion	Ratio	Lower	Upper
74	100		
59	135.3	113.5	235.7
45	99.3	100.4	208.4#
43	32.8	27.1	56.3

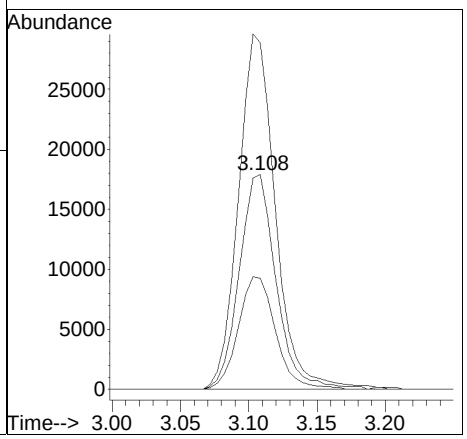


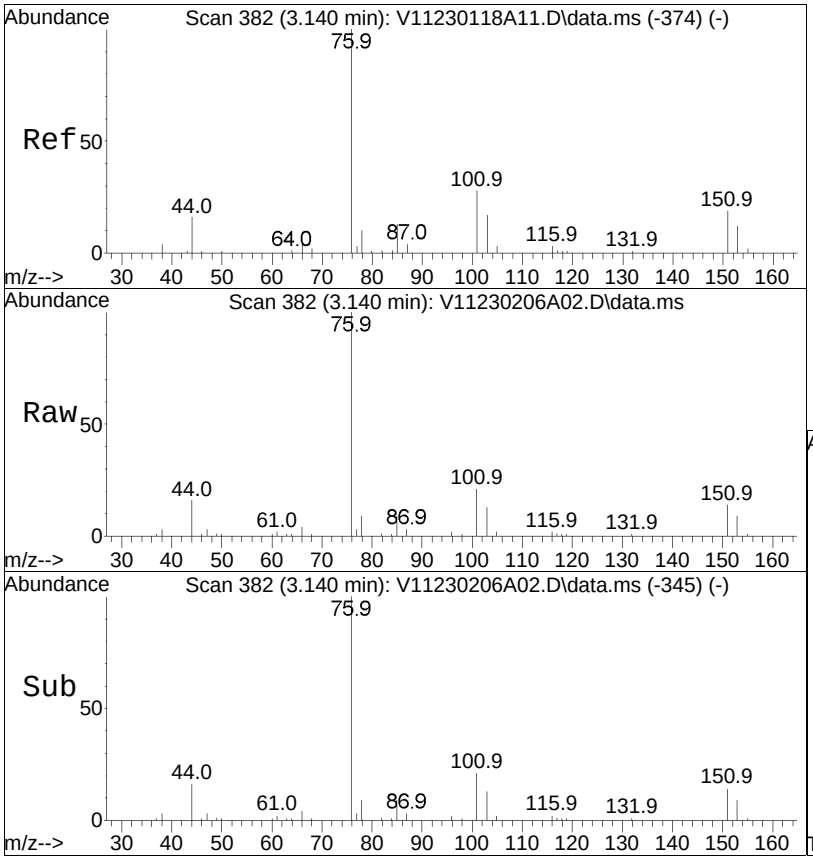


#10
1,1-Dichloroethene
Concen: 43.29 ug/L
RT: 3.108 min Scan# 376
Delta R.T. 0.000 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 96 Resp: 33698

Ion	Ratio	Lower	Upper
96	100		
61	165.7	157.7	236.5
63	53.1	47.9	71.9

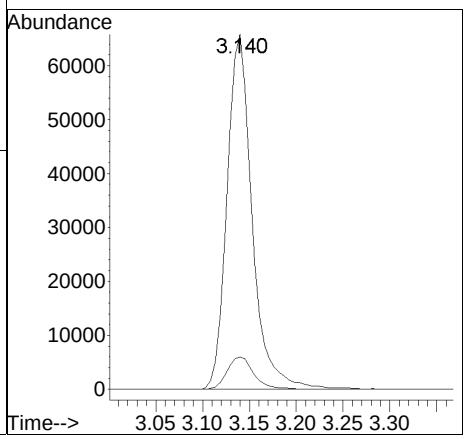


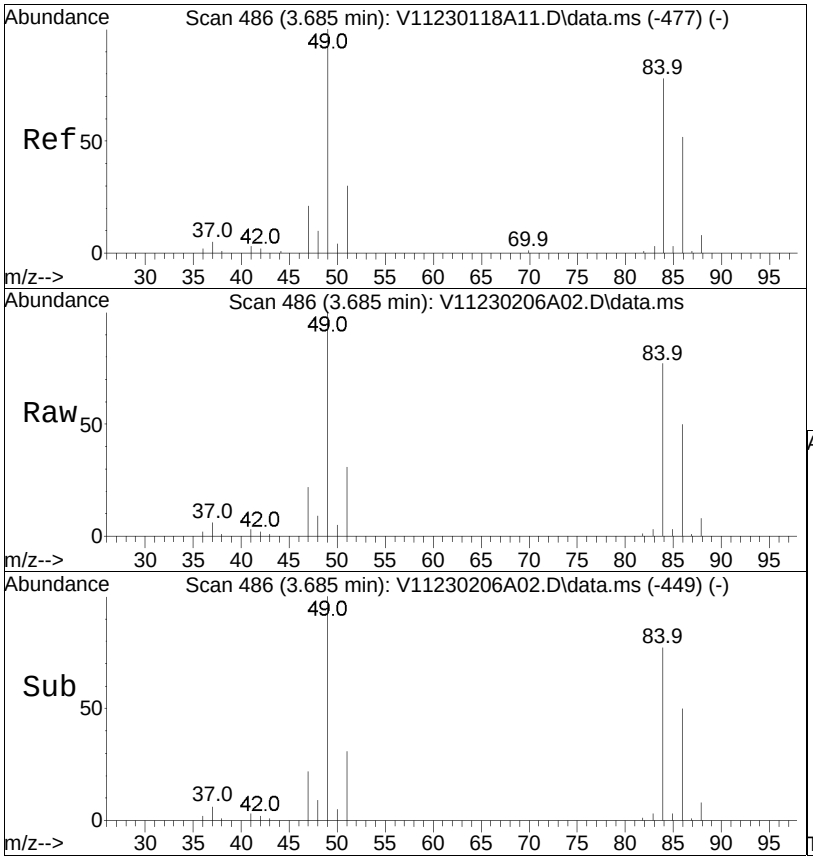


#11
Carbon disulfide
Concen: 71.00 ug/L
RT: 3.140 min Scan# 382
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 76 Resp: 123448

Ion	Ratio	Lower	Upper
76	100		
78	9.7	6.4	13.4

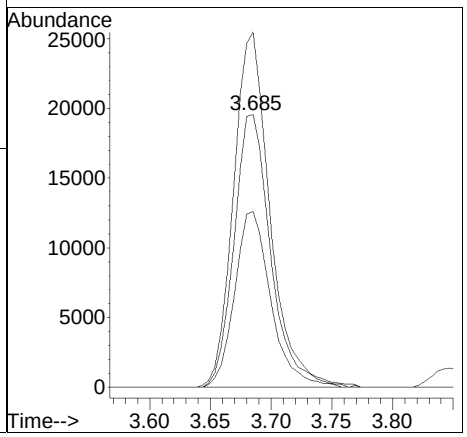


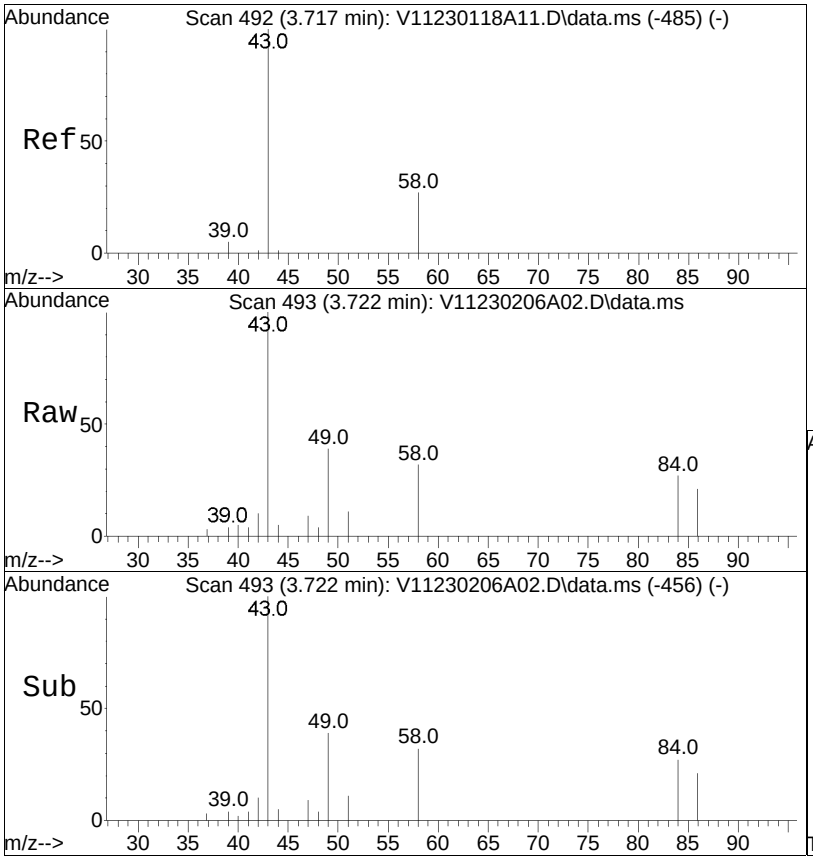


#15
Methylene chloride
Concen: 36.50 ug/L
RT: 3.685 min Scan# 486
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 84 Resp: 41151

Ion	Ratio	Lower	Upper
84	100		
86	63.8	41.1	85.3
49	129.7	124.2	258.0

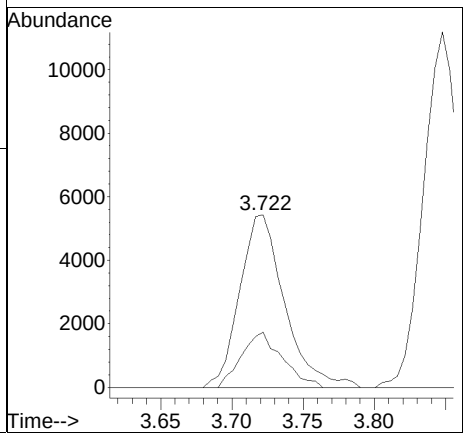


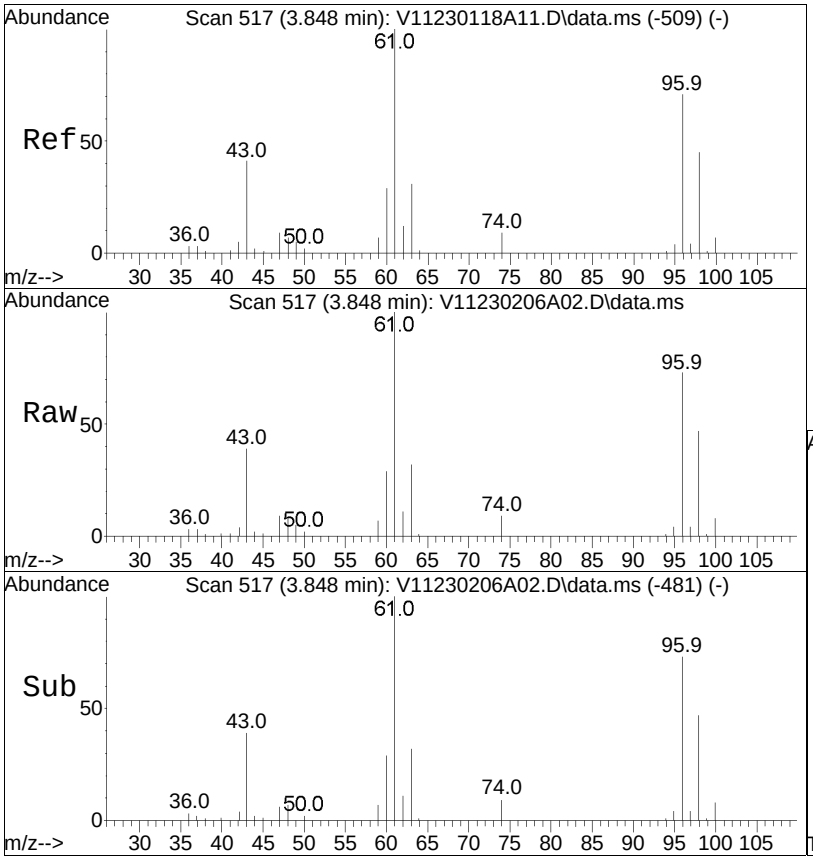


#17
Acetone
Concen: 45.03 ug/L
RT: 3.722 min Scan# 493
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 43 Resp: 11899

Ion	Ratio	Lower	Upper
43	100		
58	29.0	20.8	31.2

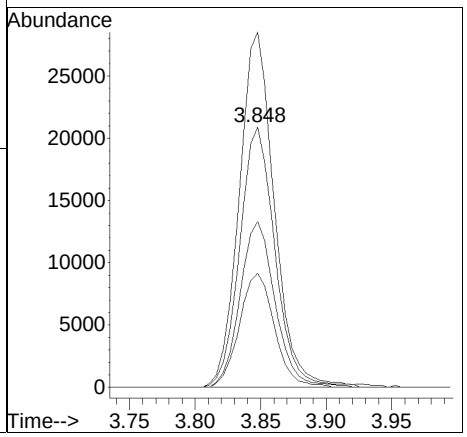


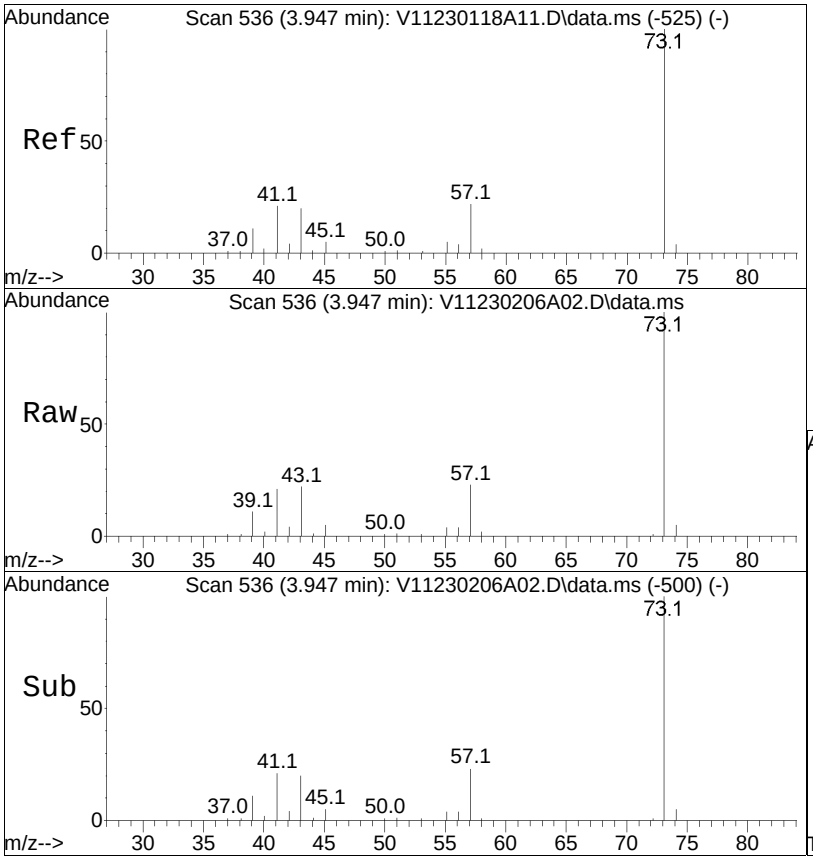


#18
trans-1,2-Dichloroethene
Concen: 42.30 ug/L
RT: 3.848 min Scan# 517
Delta R.T. -0.010 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 96 Resp: 39255

Ion	Ratio	Lower	Upper
96	100		
61	136.2	111.1	230.8
98	63.5	41.8	86.8
63	43.5	33.3	69.1

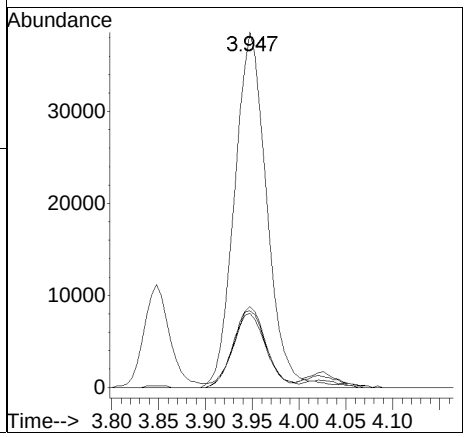


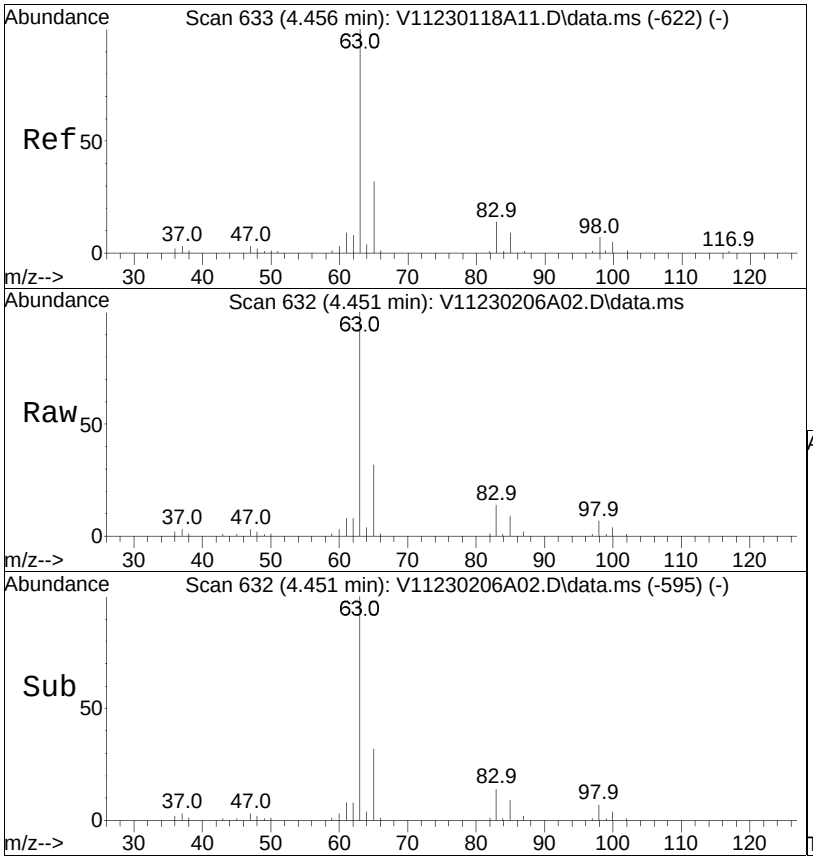


#20
Methyl tert-butyl ether
Concen: 42.25 ug/L
RT: 3.947 min Scan# 536
Delta R.T. -0.011 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 73 Resp: 92433

Ion	Ratio	Lower	Upper
73	100		
57	22.9	19.6	40.6
43	22.5	18.5	38.3
41	21.3	20.3	42.1

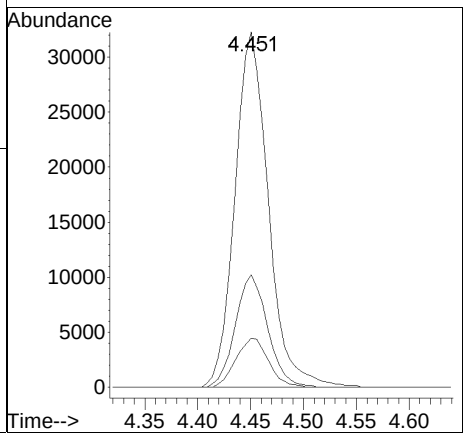


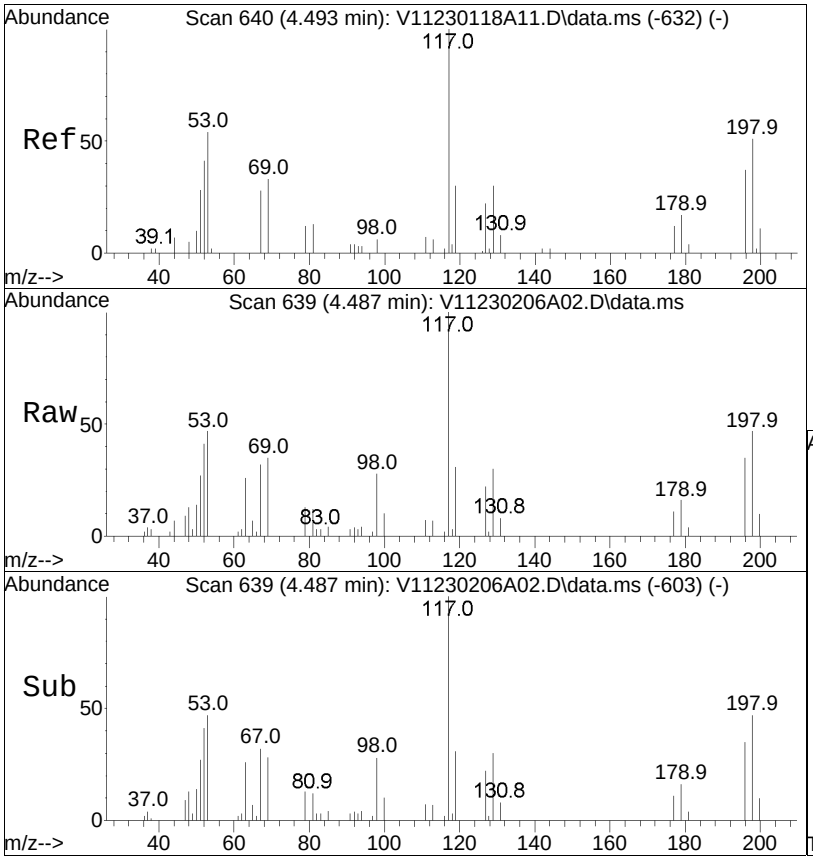


#23
1,1-Dichloroethane
Concen: 42.43 ug/L
RT: 4.451 min Scan# 632
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 63 Resp: 71203

Ion	Ratio	Lower	Upper
63	100		
65	30.6	9.0	49.0
83	13.5	0.0	31.4

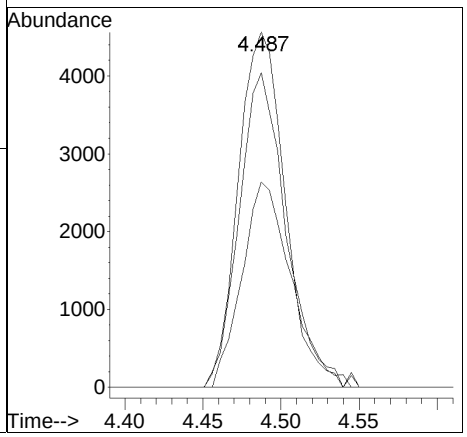


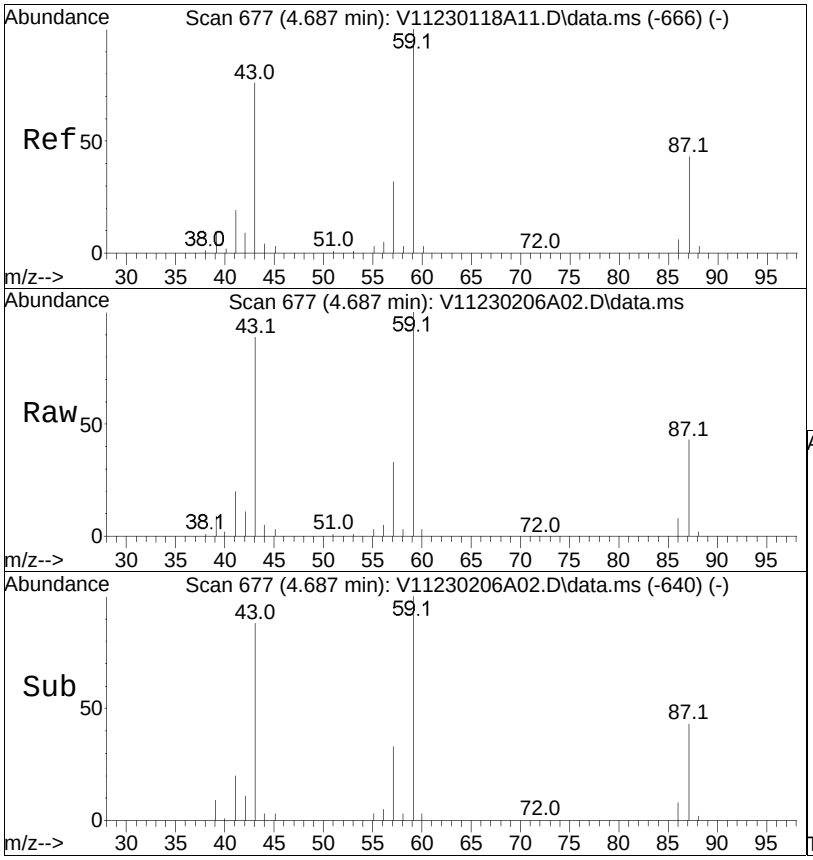


#25
Acrylonitrile
Concen: 43.72 ug/L
RT: 4.487 min Scan# 639
Delta R.T. -0.011 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 53 Resp: 9725

Ion	Ratio	Lower	Upper
53	100		
52	85.6	66.9	100.3
51	60.1	42.6	63.8

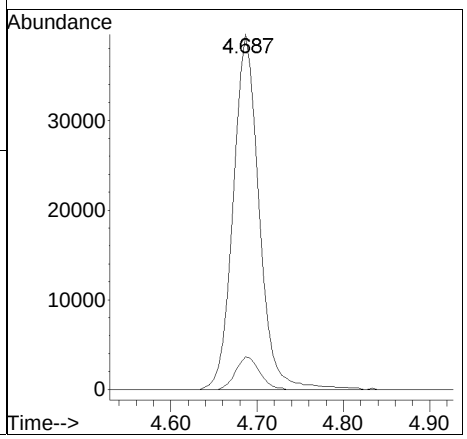


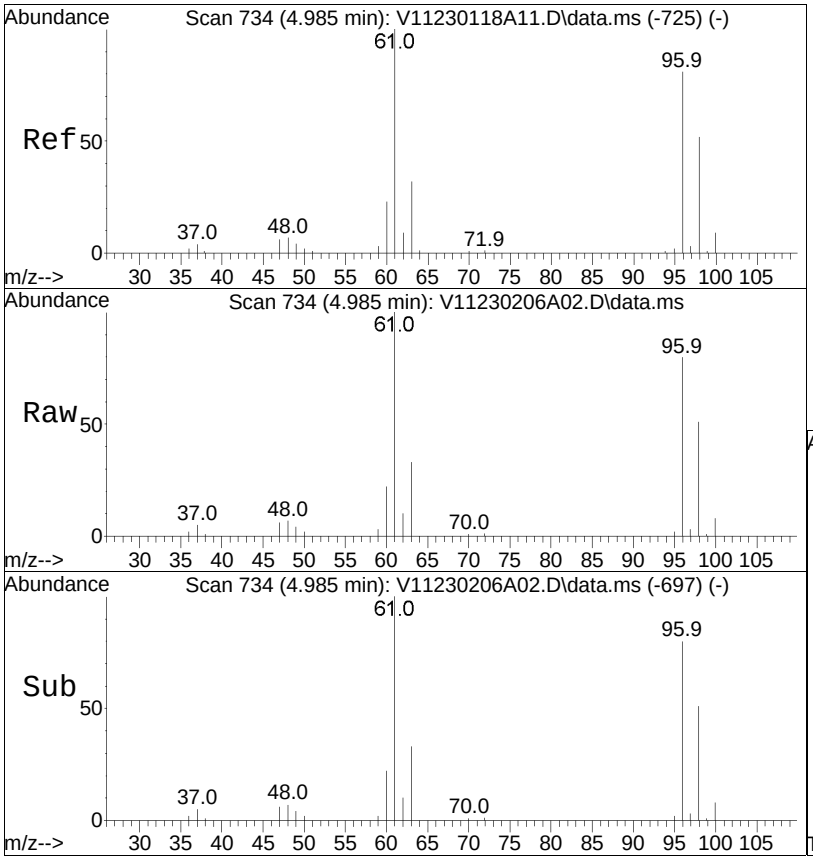


#27
Vinyl acetate
Concen: 44.99 ug/L
RT: 4.687 min Scan# 677
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 43 Resp: 82682

Ion	Ratio	Lower	Upper
43	100		
86	8.4	4.6	6.8#

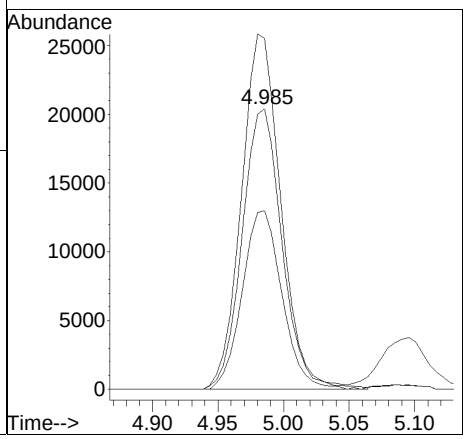


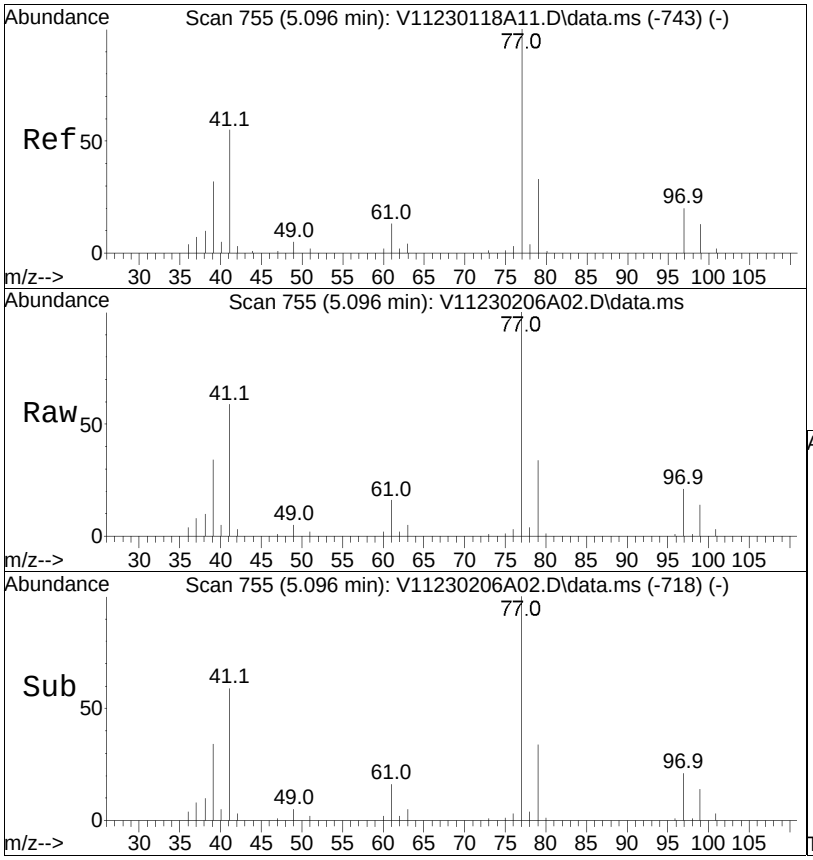


#28
cis-1,2-Dichloroethene
Concen: 41.03 ug/L
RT: 4.985 min Scan# 734
Delta R.T. -0.006 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 96 Resp: 43135

Ion	Ratio	Lower	Upper
96	100		
61	125.1	126.3	189.5#
98	63.5	51.0	76.6

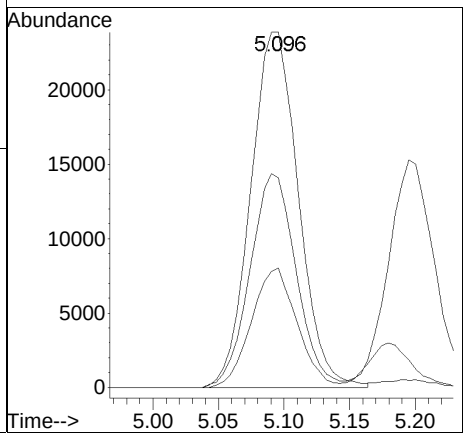


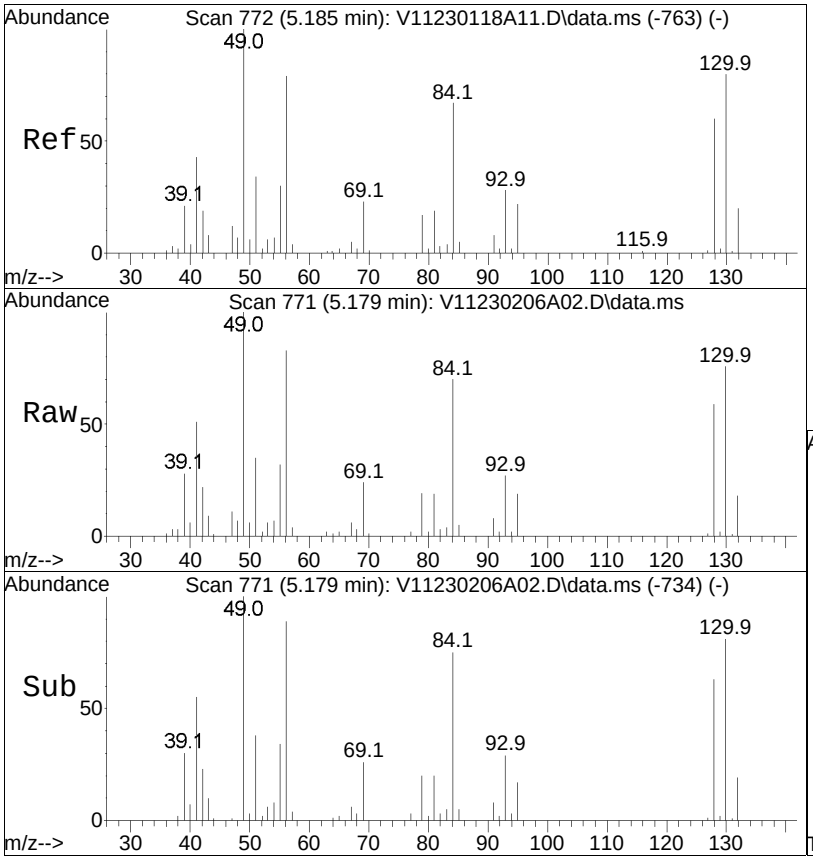


#29
2,2-Dichloropropane
Concen: 44.05 ug/L
RT: 5.096 min Scan# 755
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 77 Resp: 60491

Ion	Ratio	Lower	Upper
77	100		
41	58.1	45.5	94.5
79	32.1	20.9	43.3

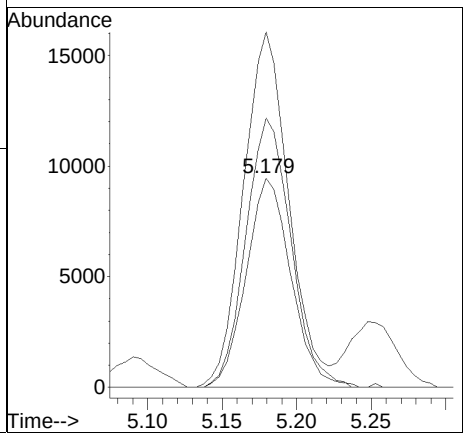


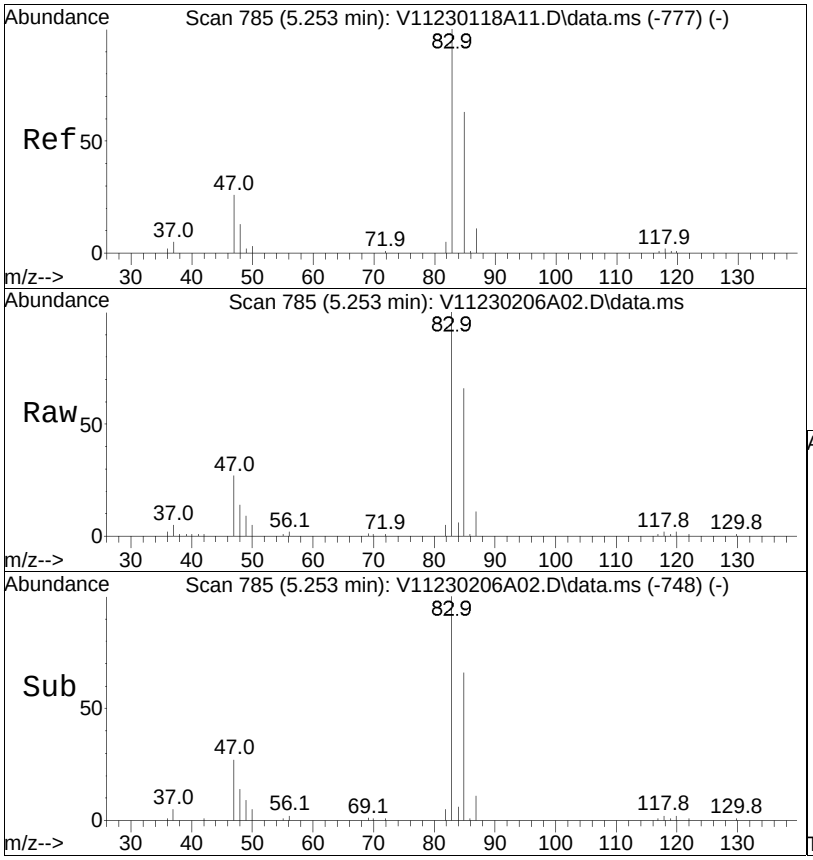


#30
Bromochloromethane
Concen: 40.56 ug/L
RT: 5.179 min Scan# 771
Delta R.T. -0.006 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:128 Resp: 19810

Ion	Ratio	Lower	Upper
128	100		
49	171.3	201.3	301.9#
130	129.5	106.2	159.2

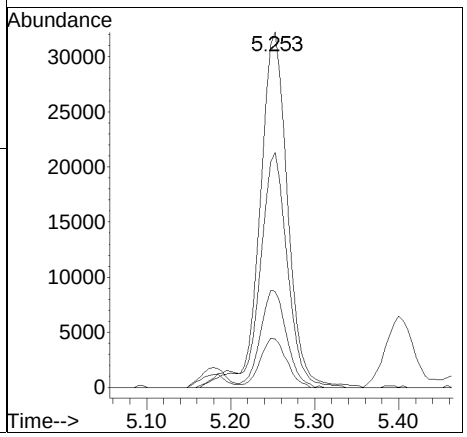


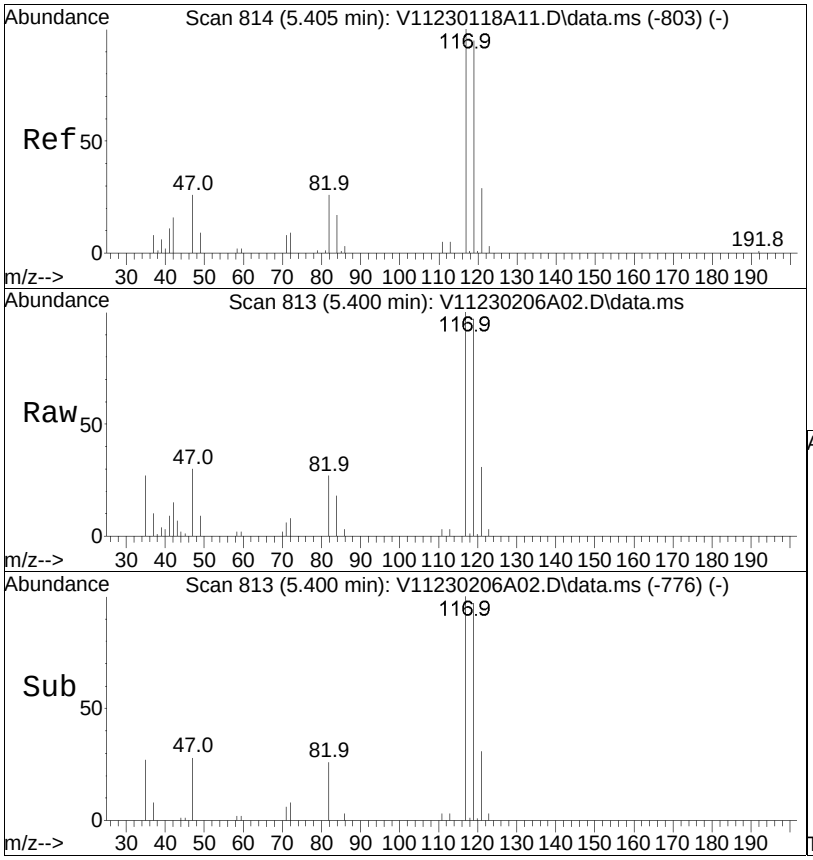


#32
Chloroform
Concen: 41.93 ug/L
RT: 5.253 min Scan# 785
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 83 Resp: 74153

Ion	Ratio	Lower	Upper
83	100		
85	62.9	41.9	87.1
47	25.8	20.9	43.3
48	13.1	9.9	20.5

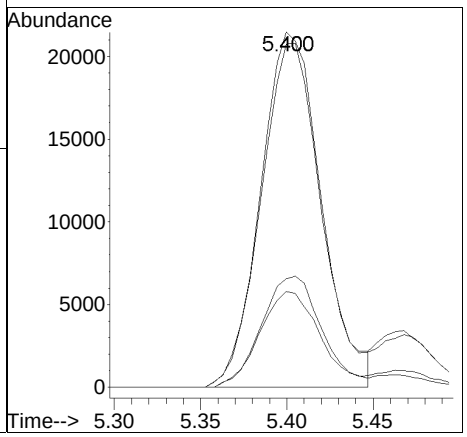


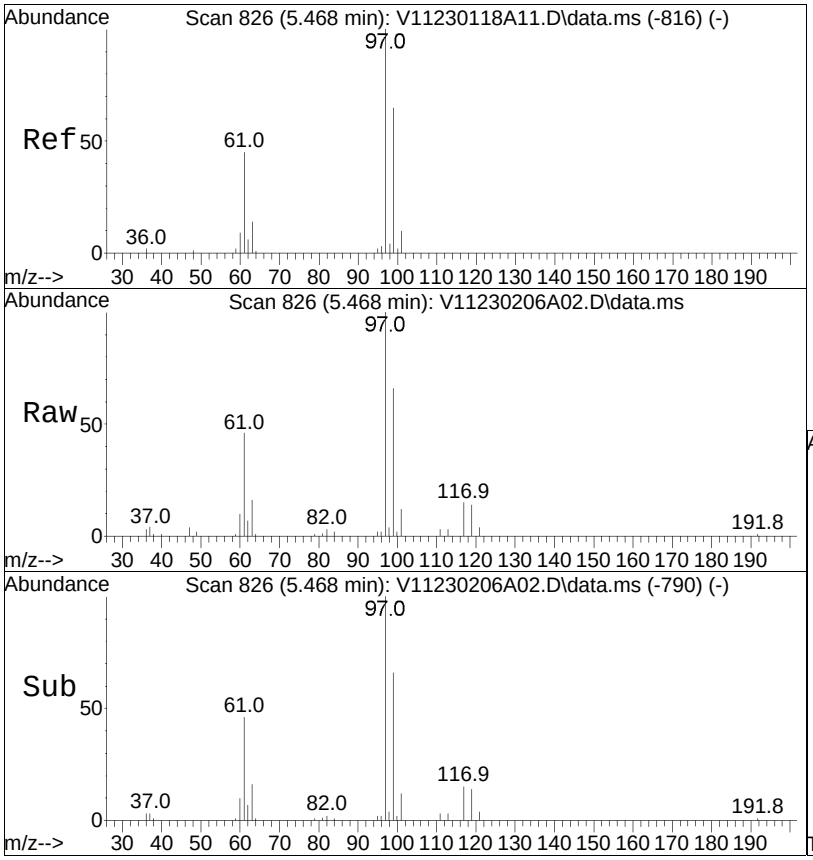


#34
Carbon tetrachloride
Concen: 43.36 ug/L
RT: 5.400 min Scan# 813
Delta R.T. -0.010 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:117 Resp: 52436

Ion	Ratio	Lower	Upper
117	100		
119	96.3	64.0	132.8
121	30.8	20.7	42.9
82	27.3	16.3	33.8

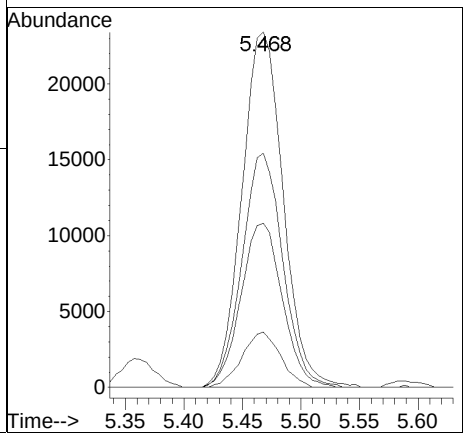


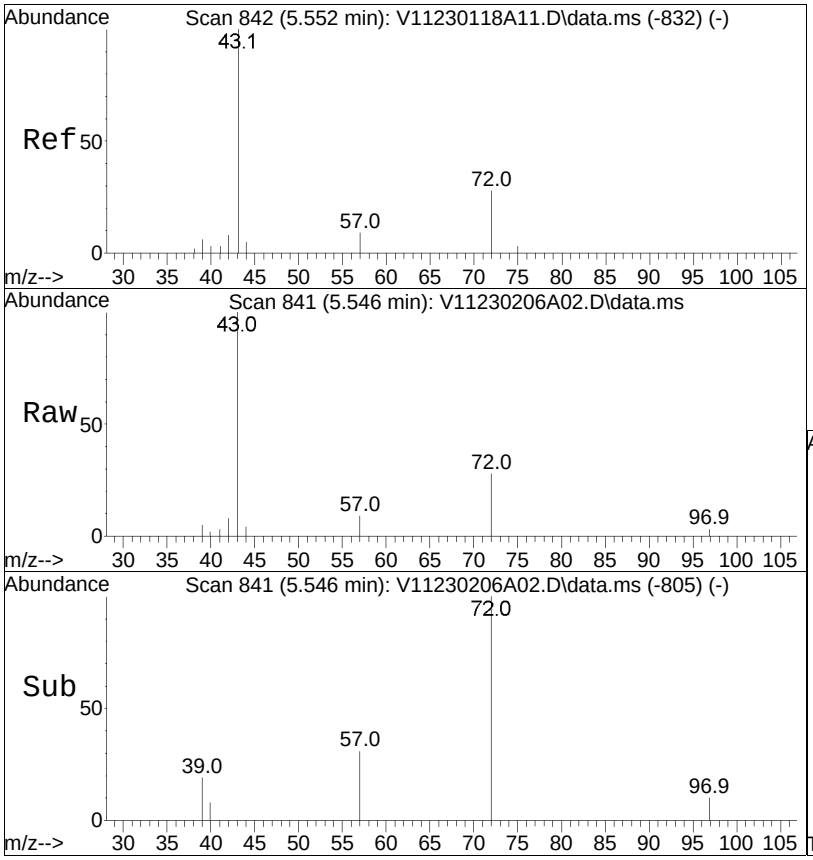


#37
1,1,1-Trichloroethane
Concen: 43.73 ug/L
RT: 5.468 min Scan# 826
Delta R.T. -0.010 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 97 Resp: 57592

Ion	Ratio	Lower	Upper
97	100		
99	65.0	41.5	86.1
61	46.5	32.2	67.0
63	14.6	10.1	20.9

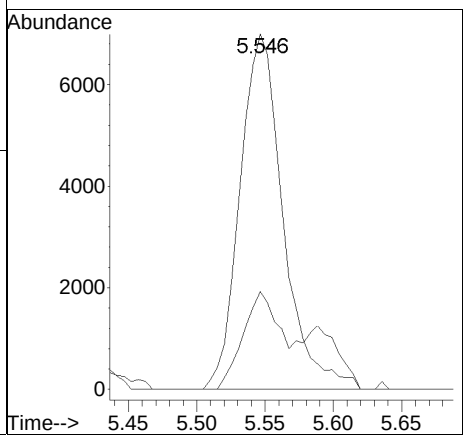


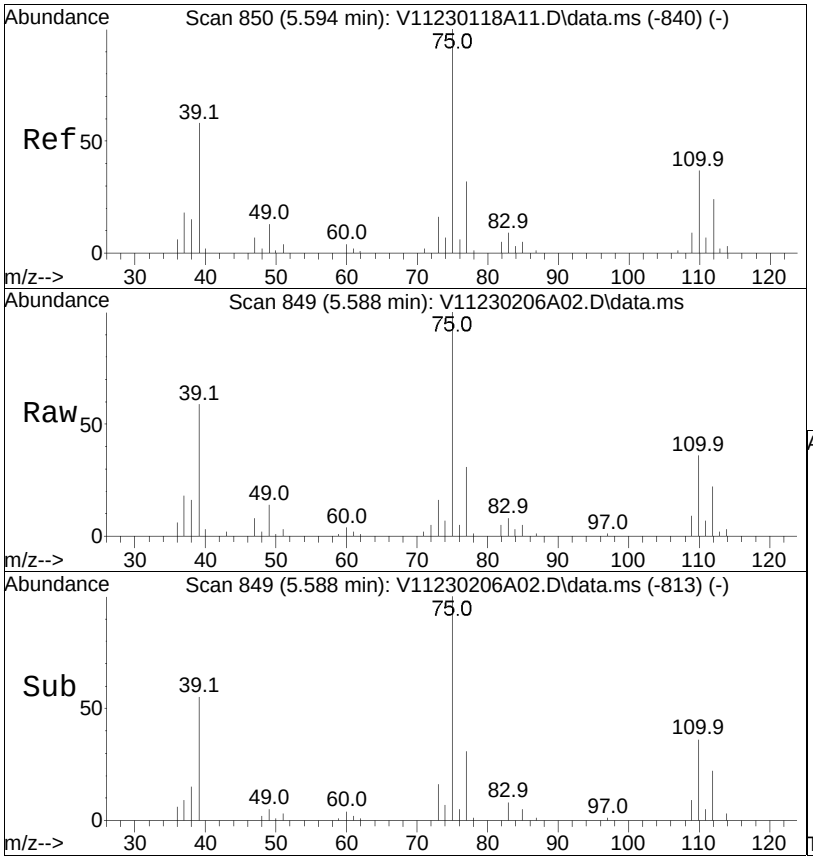


#39
2-Butanone
Concen: 44.82 ug/L
RT: 5.546 min Scan# 841
Delta R.T. -0.011 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 43 Resp: 15382

Ion	Ratio	Lower	Upper
43	100		
72	23.3	21.0	31.6

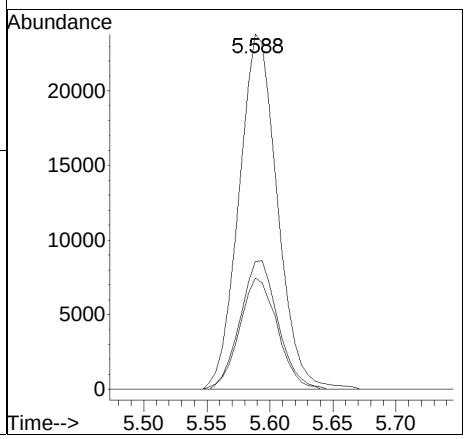


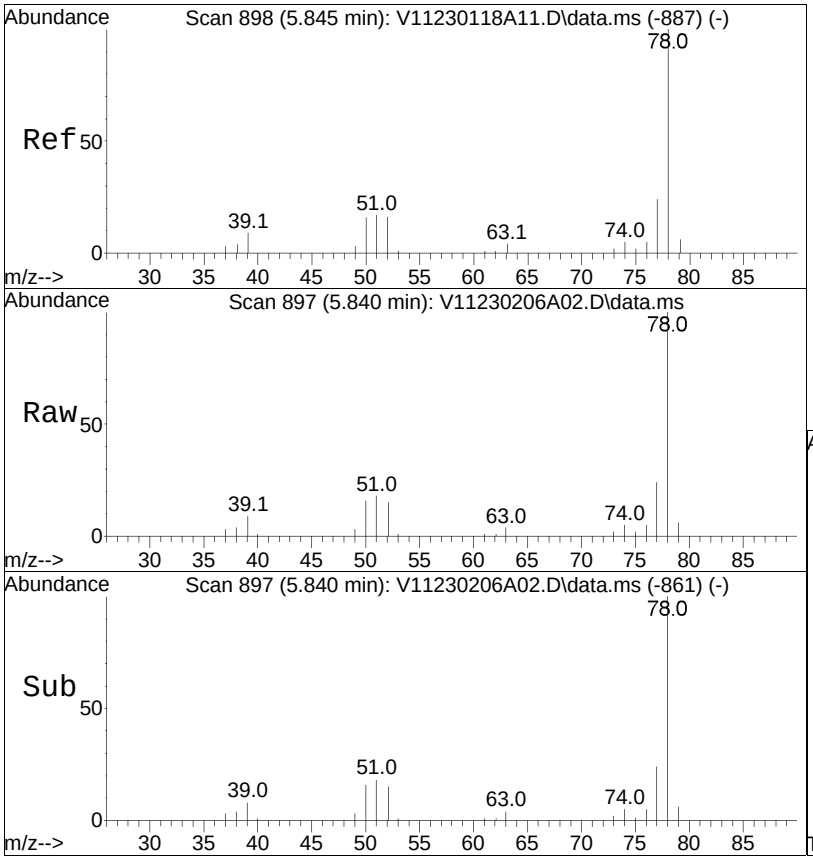


#40
1,1-Dichloropropene
Concen: 44.02 ug/L
RT: 5.588 min Scan# 849
Delta R.T. -0.011 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 75 Resp: 50474

Ion	Ratio	Lower	Upper
75	100		
110	35.7	23.6	49.0
77	30.9	20.2	41.9

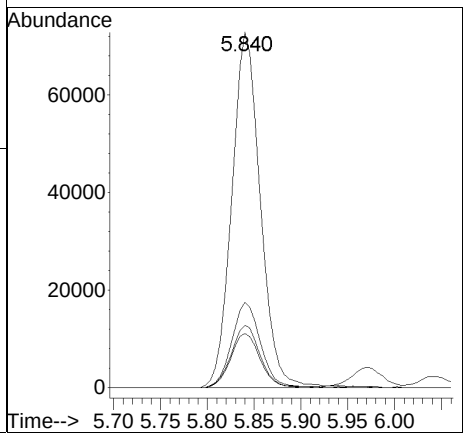


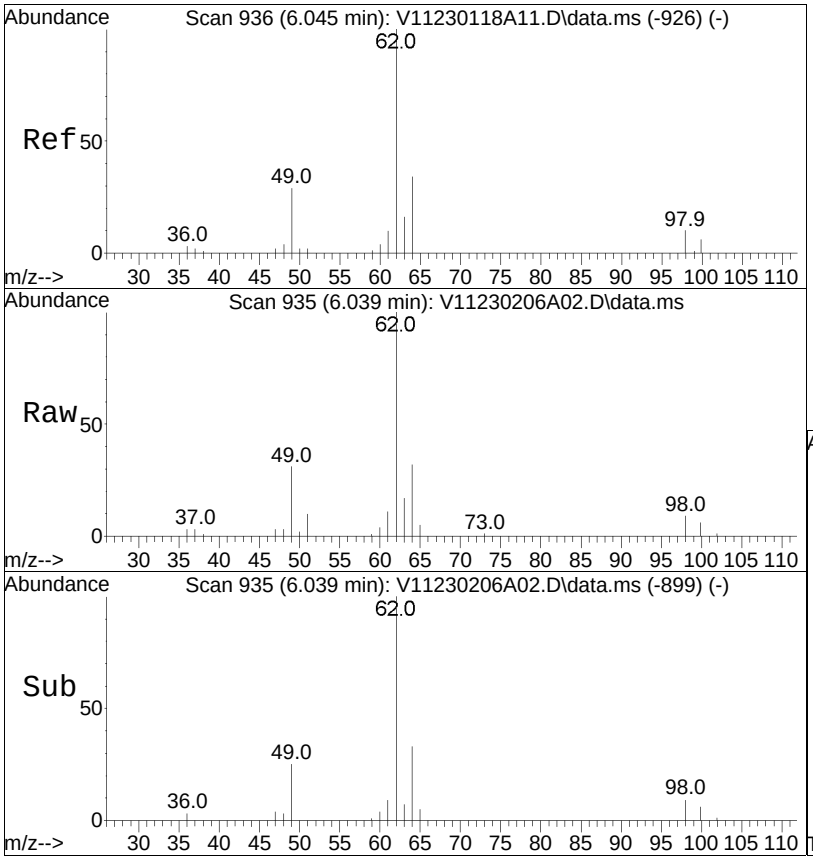


#41
Benzene
Concen: 41.88 ug/L
RT: 5.840 min Scan# 897
Delta R.T. -0.010 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 78 Resp: 154144

Ion	Ratio	Lower	Upper
78	100		
77	24.0	15.1	31.3
51	17.6	15.8	32.8
52	15.4	15.6	32.4#

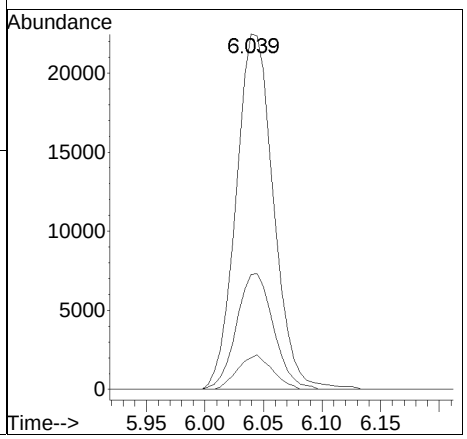


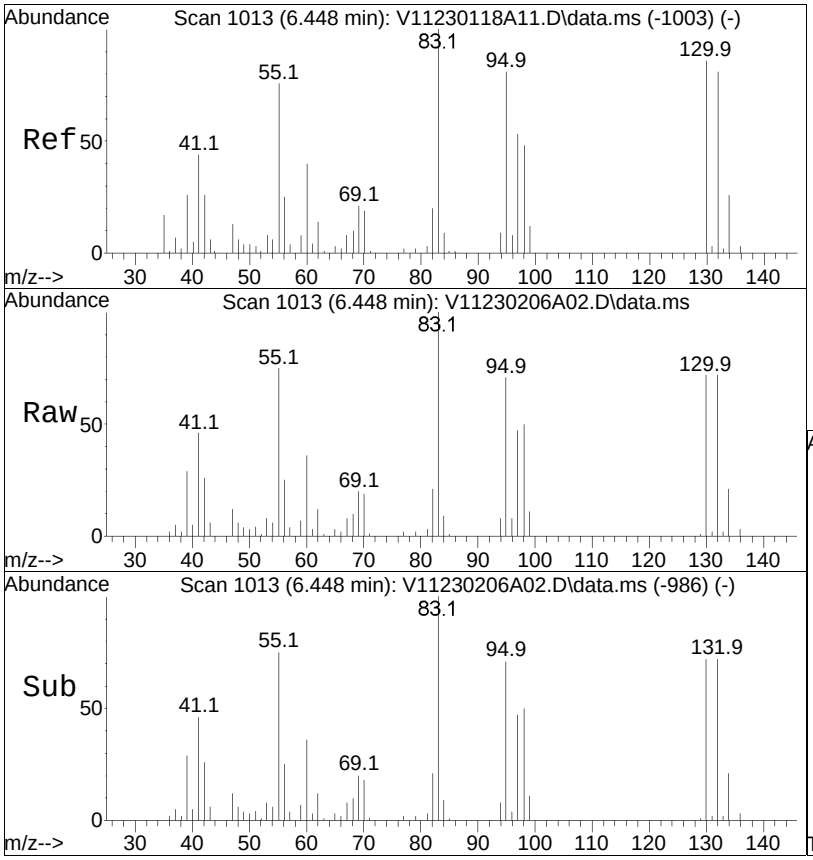


#44
1,2-Dichloroethane
Concen: 40.06 ug/L
RT: 6.039 min Scan# 935
Delta R.T. -0.011 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 62 Resp: 49977

Ion	Ratio	Lower	Upper
62	100		
64	32.3	11.1	51.1
98	9.0	0.0	28.0

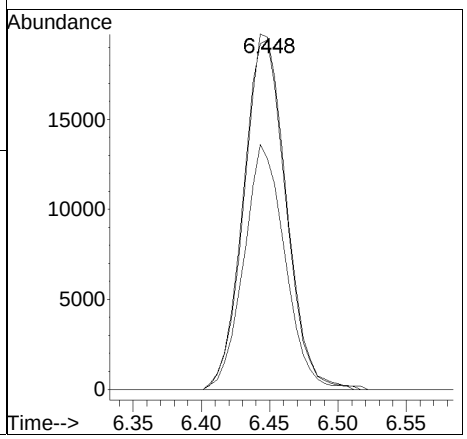


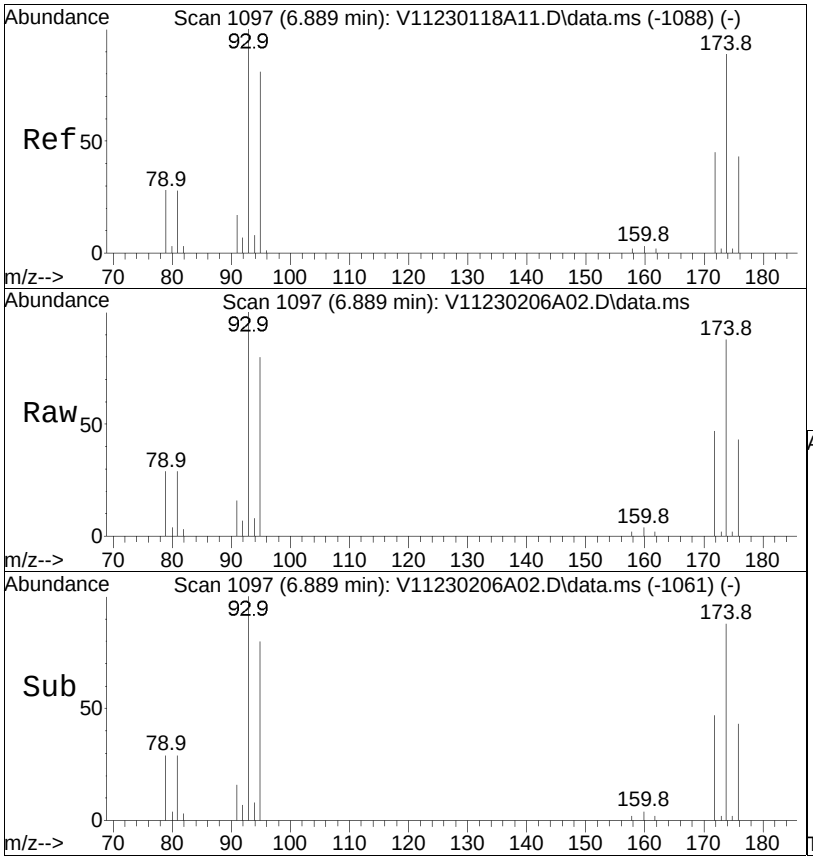


#48
Trichloroethene
Concen: 44.59 ug/L
RT: 6.448 min Scan# 1013
Delta R.T. -0.011 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 95 Resp: 42083

Ion	Ratio	Lower	Upper
95	100		
97	67.6	54.3	81.5
130	100.8	84.6	126.8

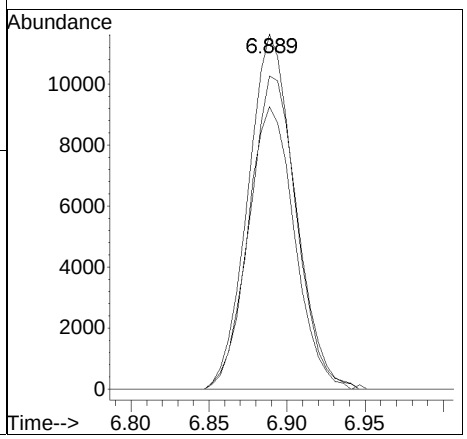


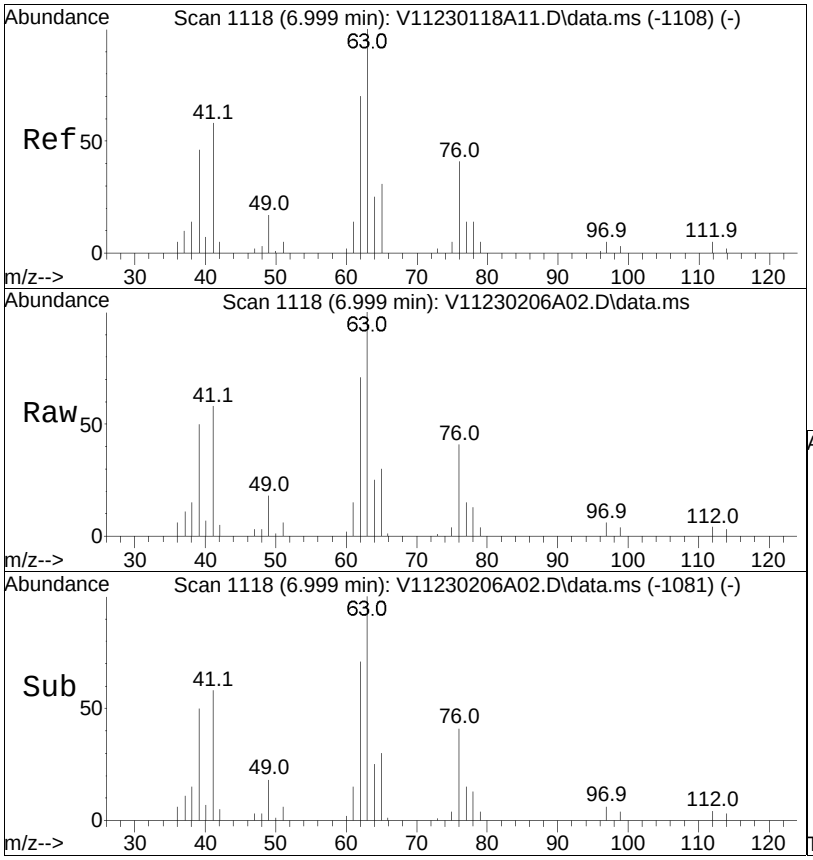


#50
Dibromomethane
Concen: 41.26 ug/L
RT: 6.889 min Scan# 1097
Delta R.T. -0.010 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 93 Resp: 24233

Ion	Ratio	Lower	Upper
93	100		
95	80.8	65.7	98.5
174	90.4	80.2	120.4

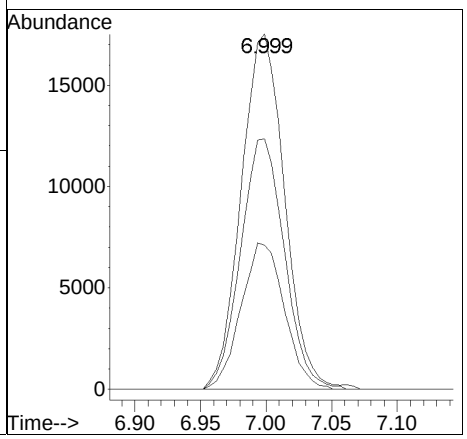


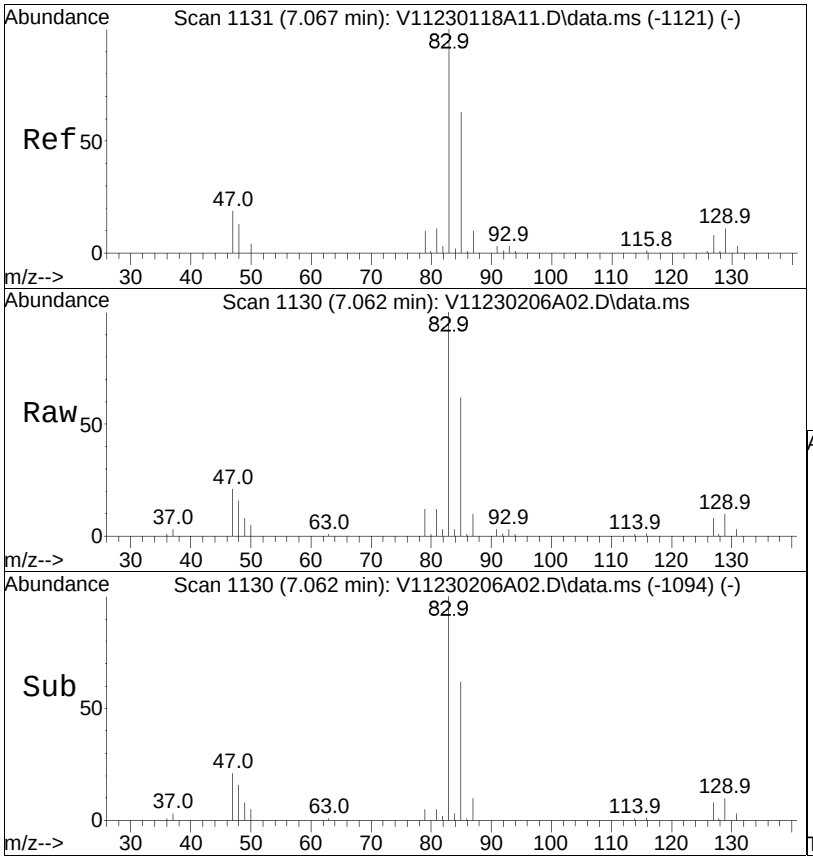


#51
1,2-Dichloropropane
Concen: 41.95 ug/L
RT: 6.999 min Scan# 1118
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 63 Resp: 40479

Ion	Ratio	Lower	Upper
63	100		
62	70.9	57.9	86.9
76	41.1	30.1	45.1

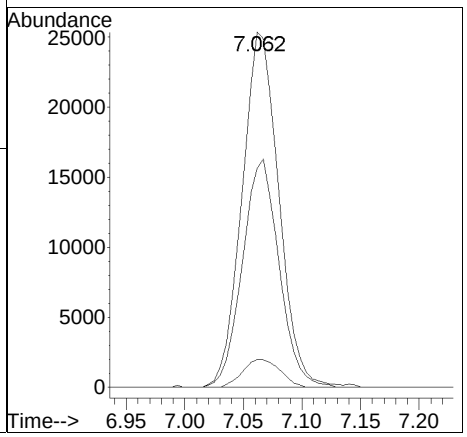


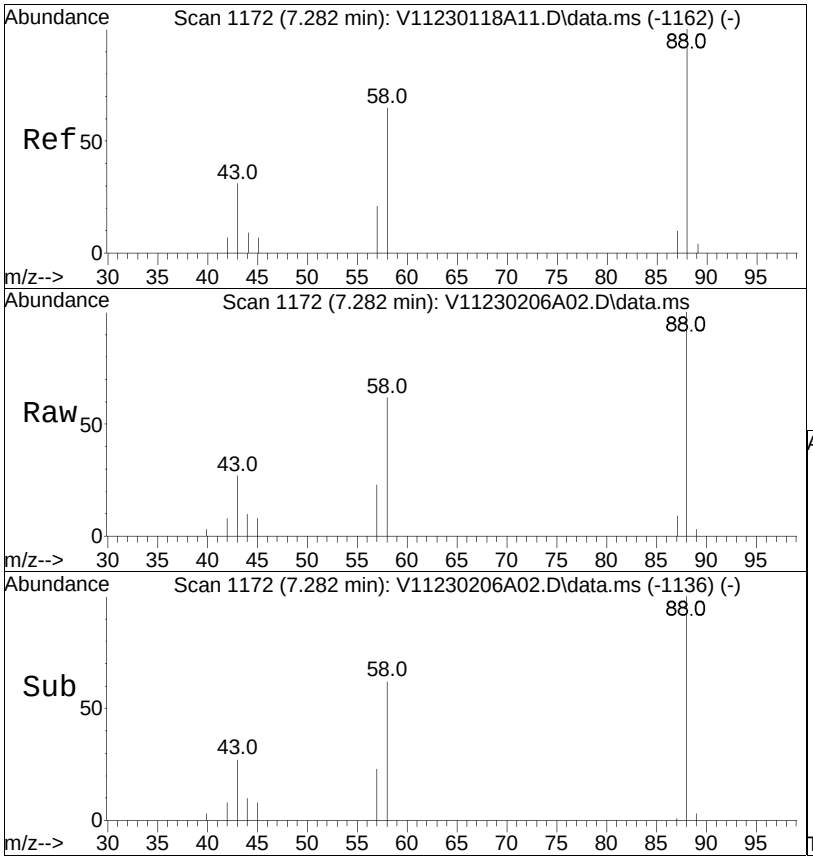


#54
Bromodichloromethane
Concen: 41.22 ug/L
RT: 7.062 min Scan# 1130
Delta R.T. -0.010 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 83 Resp: 55629

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.6	77.4
127	8.0	7.1	10.7

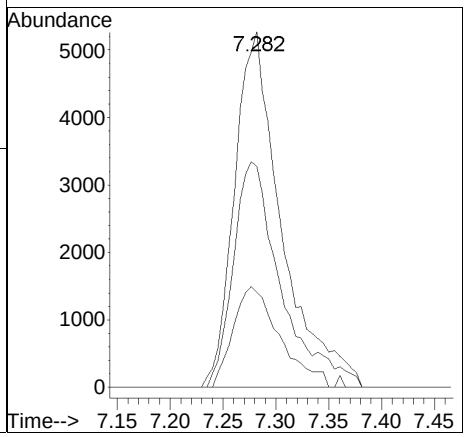


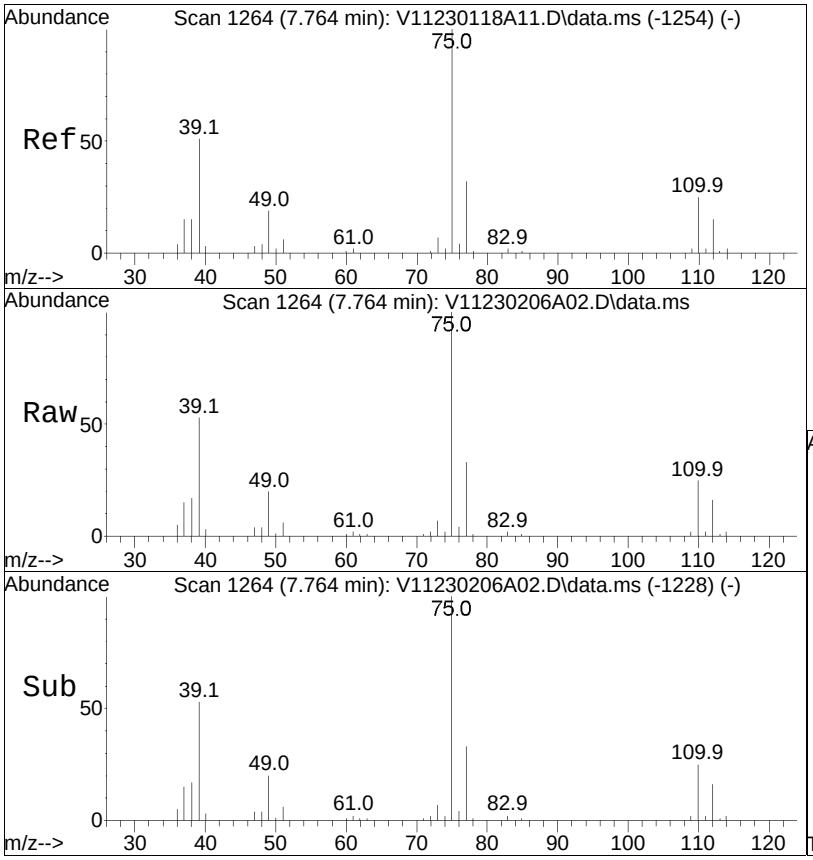


#57
1,4-Dioxane
Concen: 2121.72 ug/L
RT: 7.282 min Scan# 1172
Delta R.T. -0.010 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 88 Resp: 16346

Ion	Ratio	Lower	Upper
88	100		
58	64.3	75.4	113.0#
43	28.2	33.5	50.3#

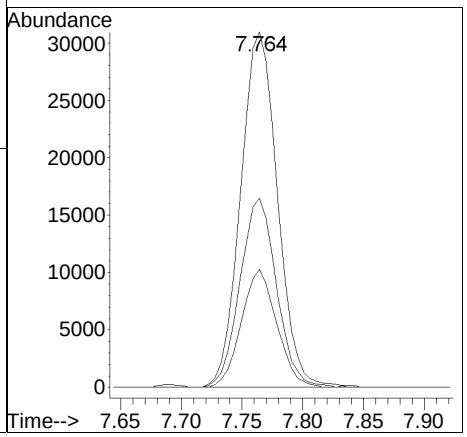


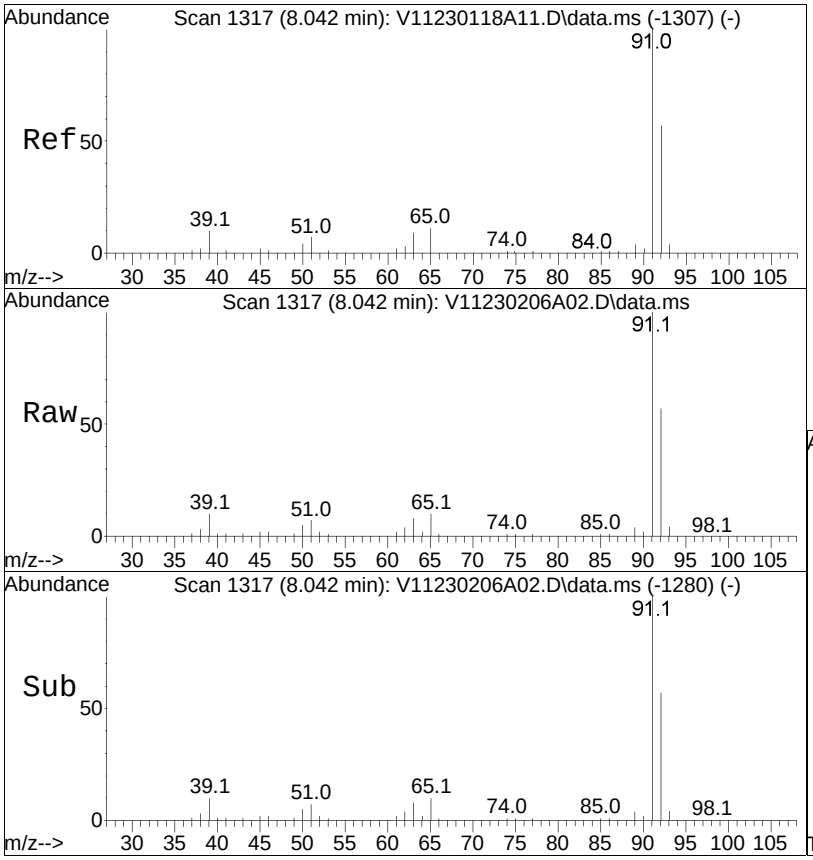


#58
cis-1,3-Dichloropropene
Concen: 42.58 ug/L
RT: 7.764 min Scan# 1264
Delta R.T. -0.011 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 75 Resp: 65361

Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.9	37.3
39	52.9	51.8	77.8

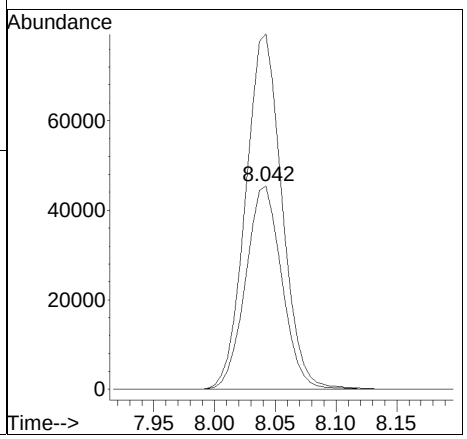


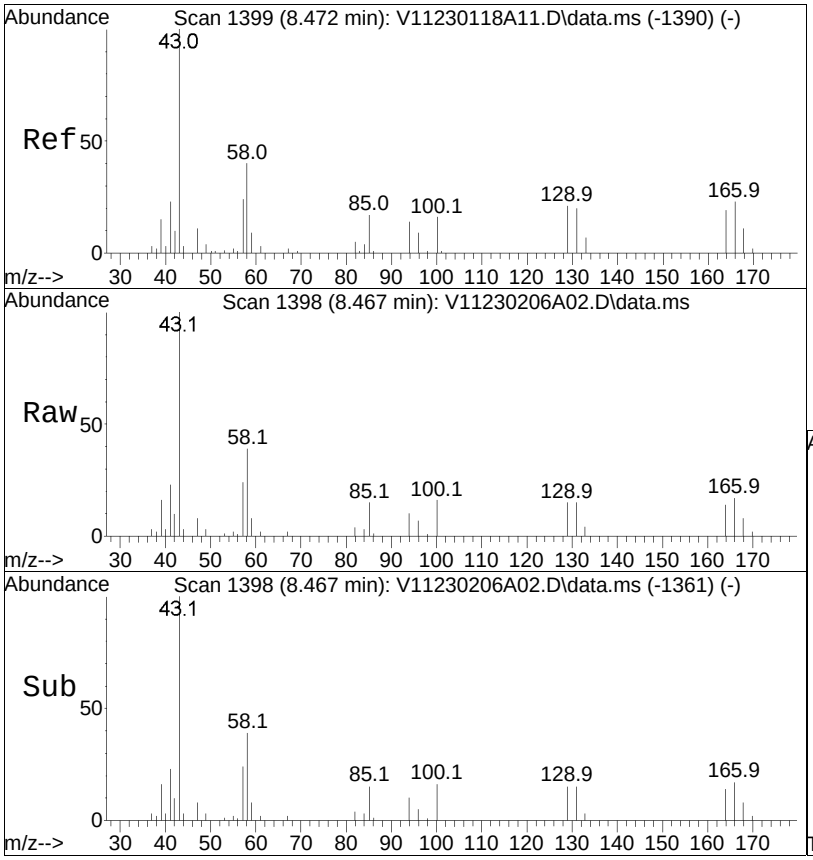


#61
Toluene
Concen: 42.38 ug/L
RT: 8.042 min Scan# 1317
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 92 Resp: 94263

Ion	Ratio	Lower	Upper
92	100		
91	175.3	133.7	200.5

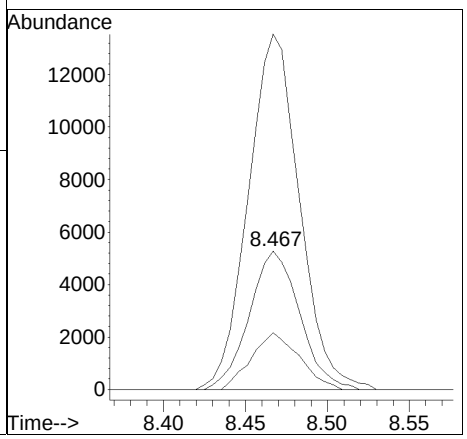


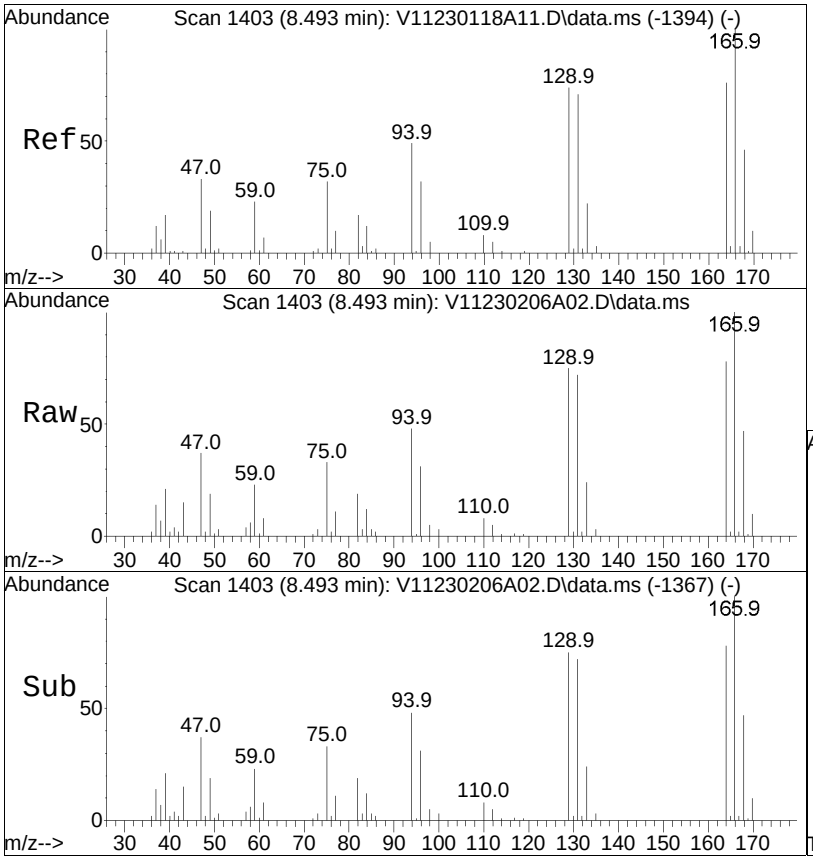


#62
4-Methyl-2-pentanone
Concen: 39.24 ug/L
RT: 8.467 min Scan# 1398
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 58 Resp: 11275

Ion	Ratio	Lower	Upper
58	100		
100	39.0	22.0	33.0#
43	260.2	236.9	355.3

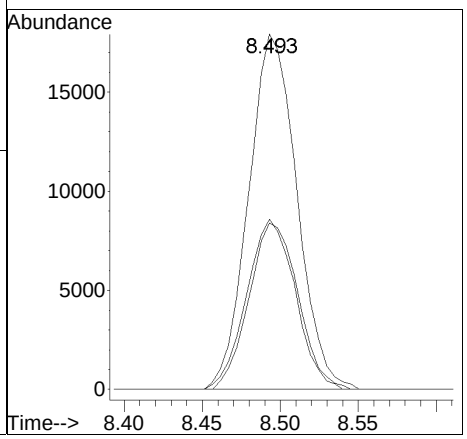


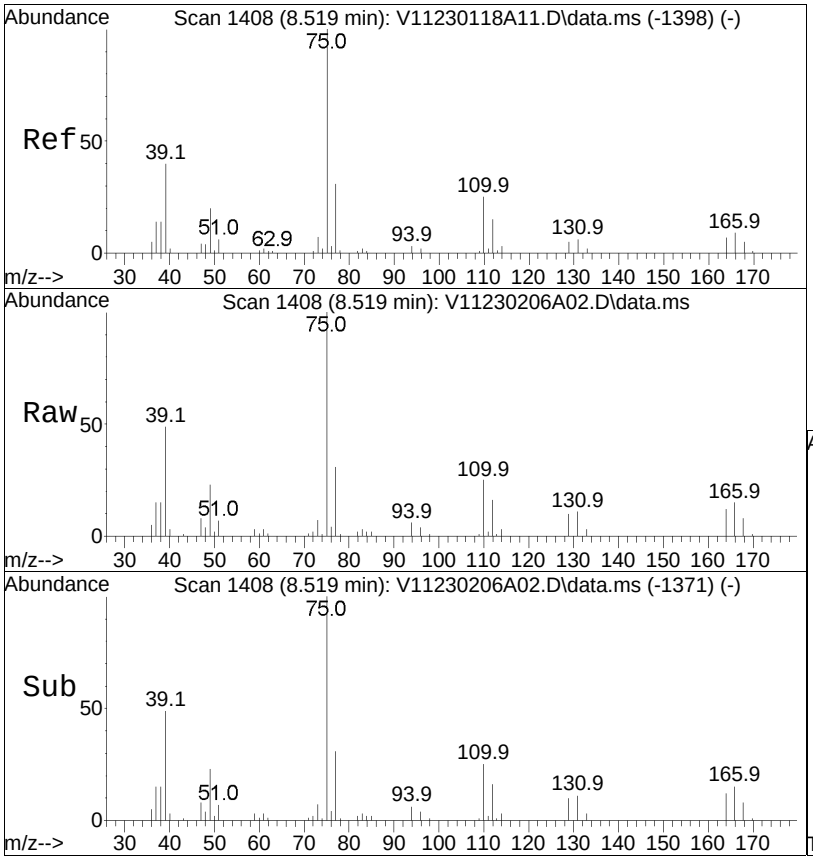


#63
Tetrachloroethene
Concen: 44.97 ug/L
RT: 8.493 min Scan# 1403
Delta R.T. -0.011 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:166 Resp: 38599

Ion	Ratio	Lower	Upper
166	100		
168	47.5	28.2	68.2
94	48.0	26.3	66.3

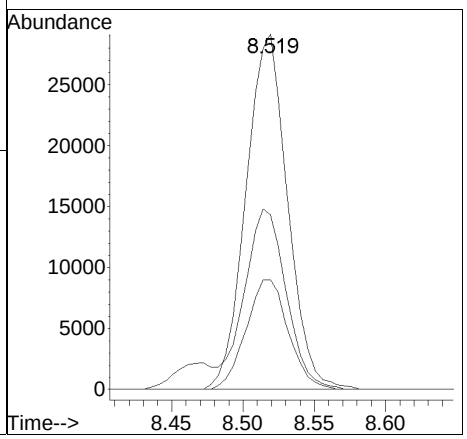


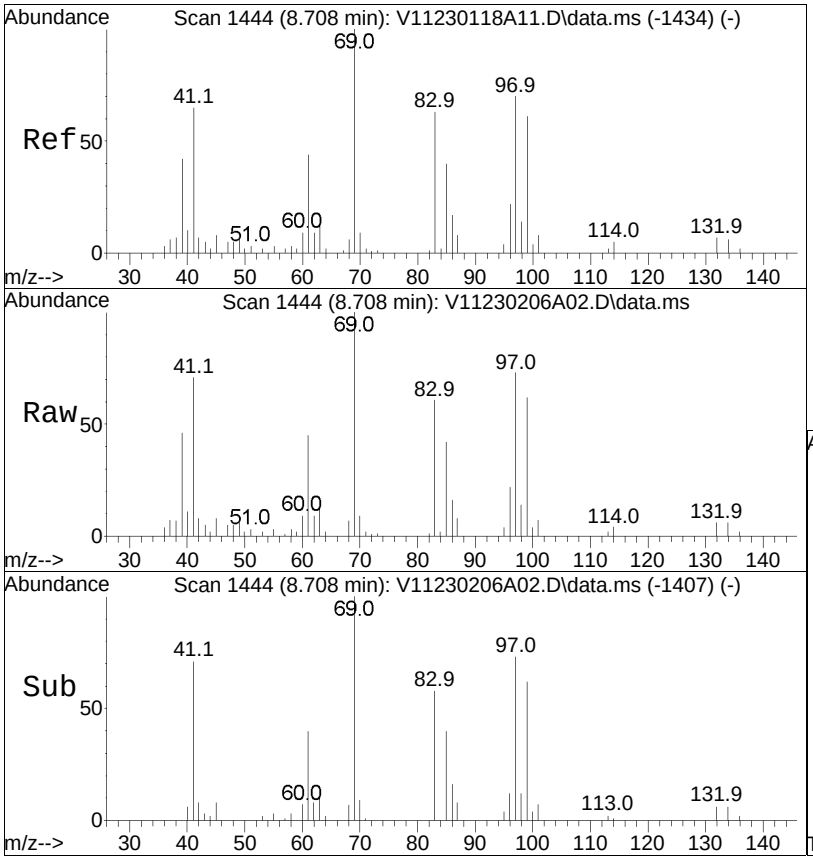


#65
trans-1,3-Dichloropropene
Concen: 42.72 ug/L
RT: 8.519 min Scan# 1408
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 75 Resp: 59097

Ion	Ratio	Lower	Upper
75	100		
77	31.4	11.4	51.4
39	51.0	50.3	90.3

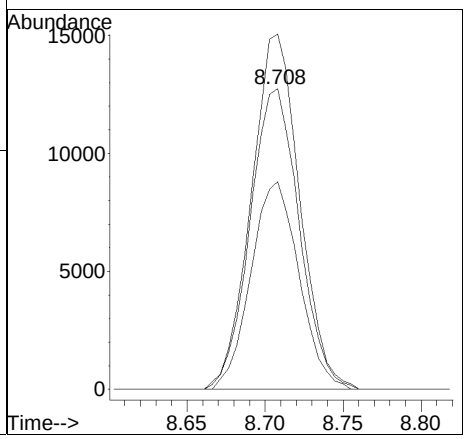


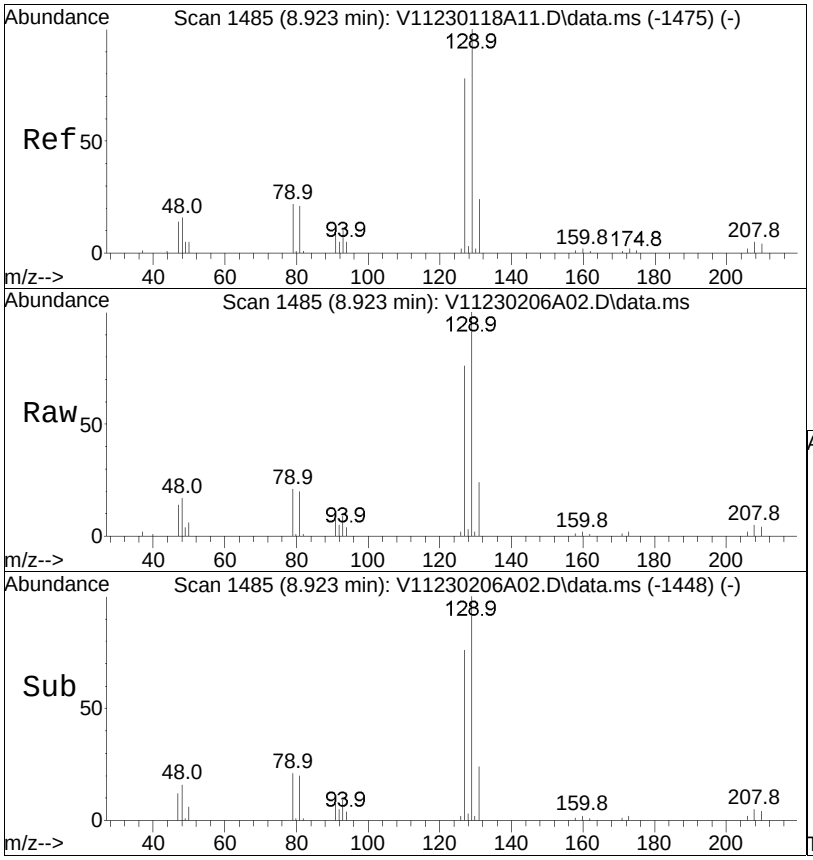


#68
1,1,2-Trichloroethane
Concen: 42.25 ug/L
RT: 8.708 min Scan# 1444
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 83 Resp: 27920

Ion	Ratio	Lower	Upper
83	100		
97	116.5	97.6	137.6
85	67.8	46.8	86.8

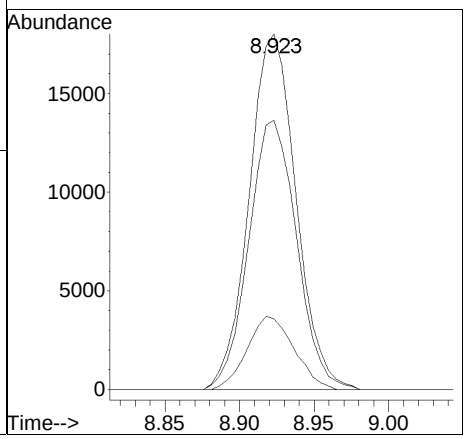


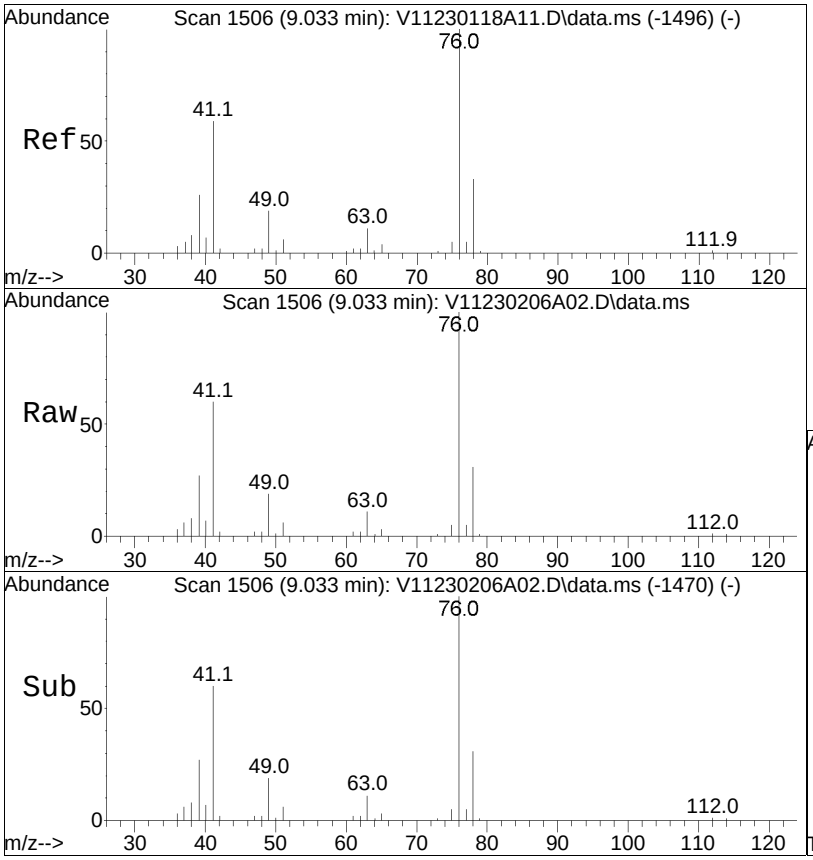


#69
Chlorodibromomethane
Concen: 42.35 ug/L
RT: 8.923 min Scan# 1485
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:129 Resp: 39466

Ion	Ratio	Lower	Upper
129	100		
81	20.5	0.0	36.0
127	77.3	56.0	96.0

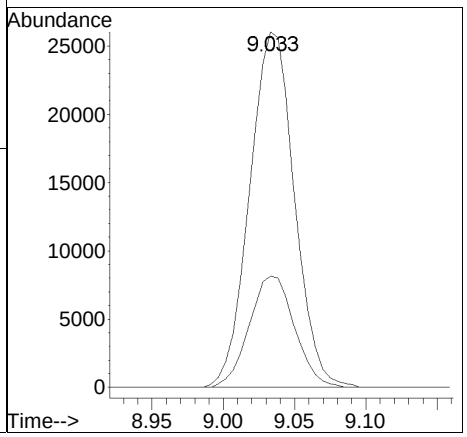


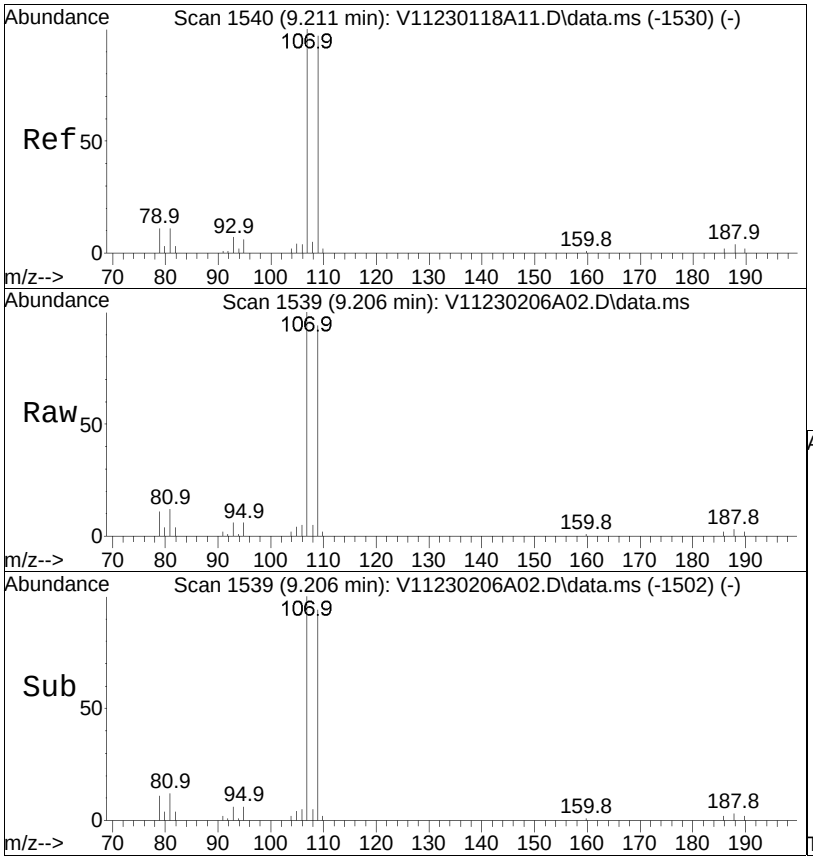


#70
1,3-Dichloropropane
Concen: 42.53 ug/L
RT: 9.033 min Scan# 1506
Delta R.T. -0.011 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 76 Resp: 56802

Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.9	38.9

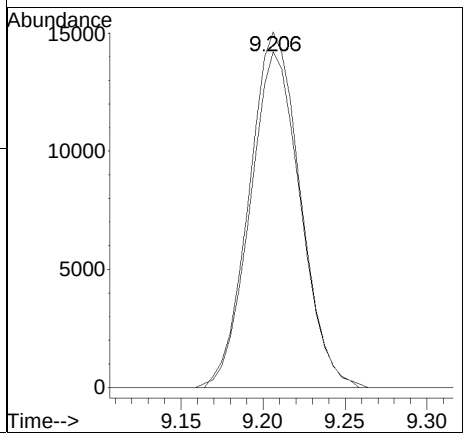


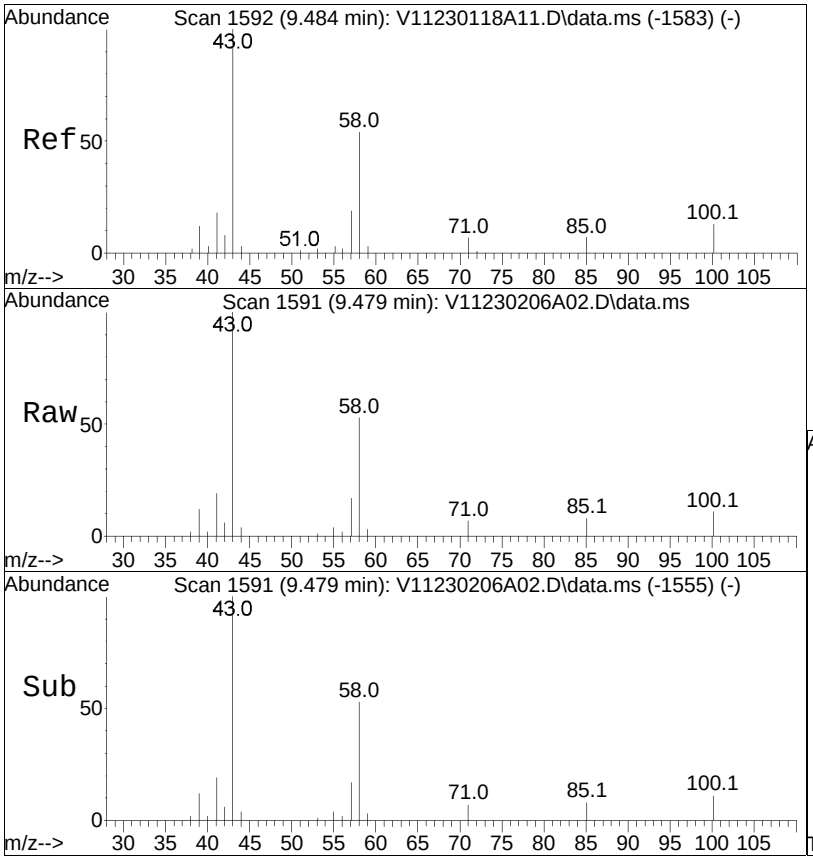


#71
1,2-Dibromoethane
Concen: 43.80 ug/L
RT: 9.206 min Scan# 1539
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:107 Resp: 32572

Ion	Ratio	Lower	Upper
107	100		
109	93.2	76.2	114.4

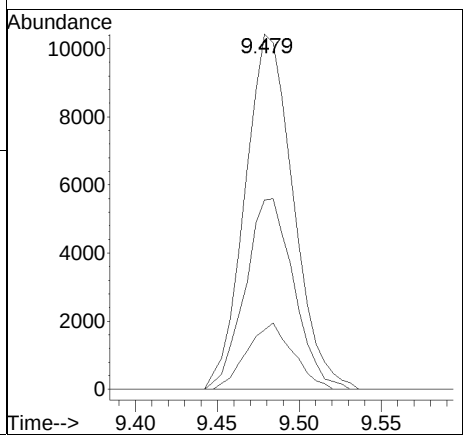


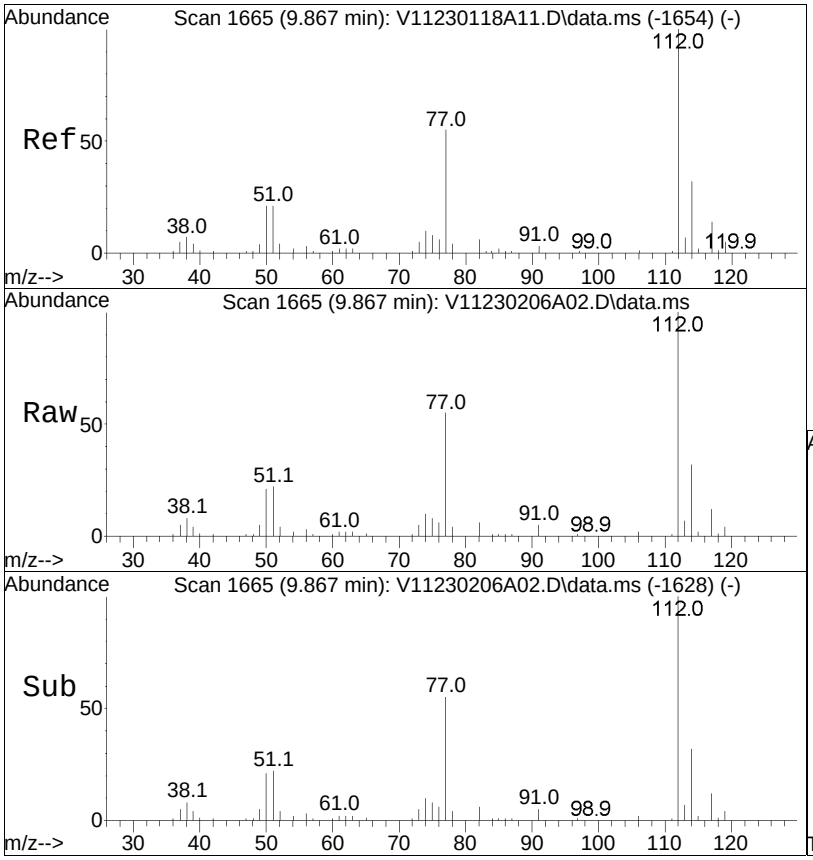


#72
2-Hexanone
Concen: 44.76 ug/L
RT: 9.479 min Scan# 1591
Delta R.T. -0.010 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 43 Resp: 21461

Ion	Ratio	Lower	Upper
43	100		
58	53.9	37.9	56.9
57	17.8	12.6	19.0

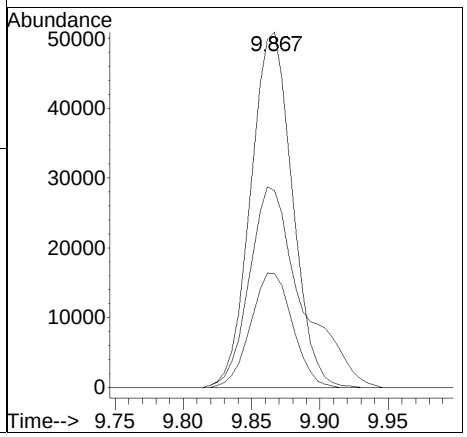


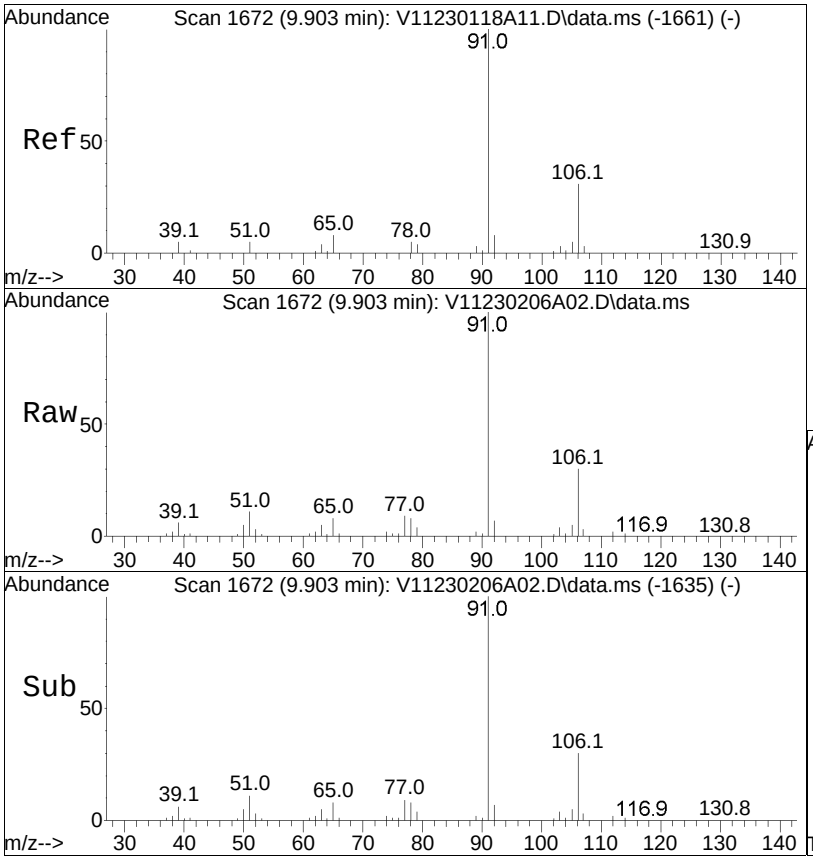


#73
Chlorobenzene
Concen: 41.46 ug/L
RT: 9.867 min Scan# 1665
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:112 Resp: 107716

Ion	Ratio	Lower	Upper
112	100		
77	71.3	47.0	70.4#
114	32.4	25.9	38.9

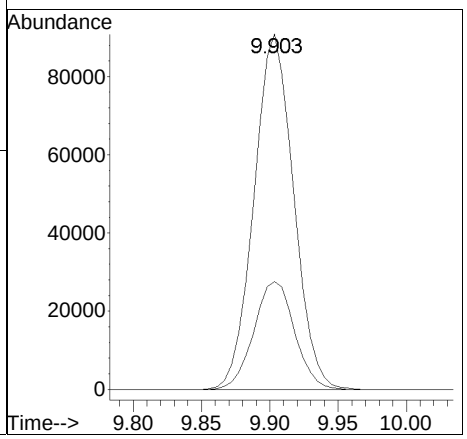


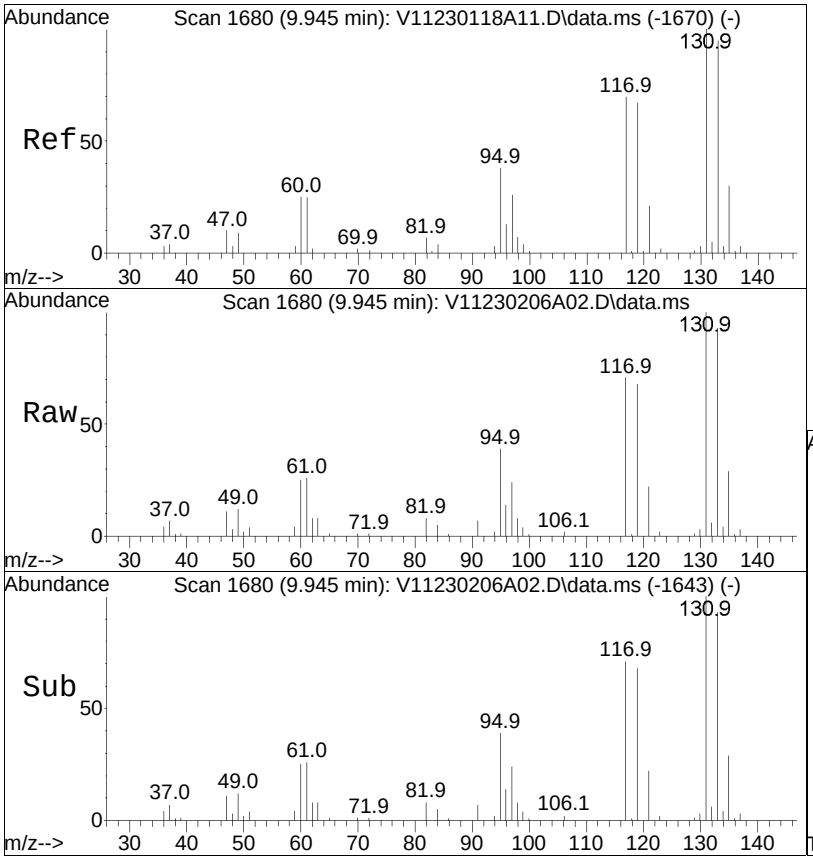


#74
Ethylbenzene
Concen: 43.71 ug/L
RT: 9.903 min Scan# 1672
Delta R.T. -0.006 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 91 Resp: 183163

Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.0	37.4

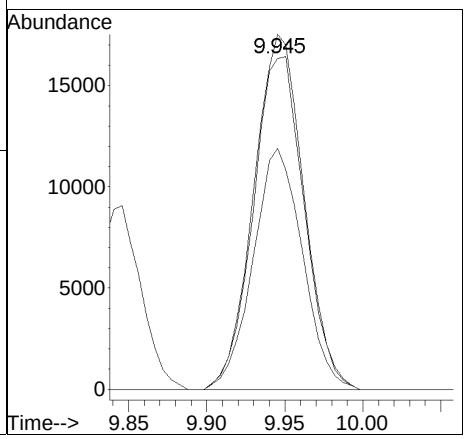


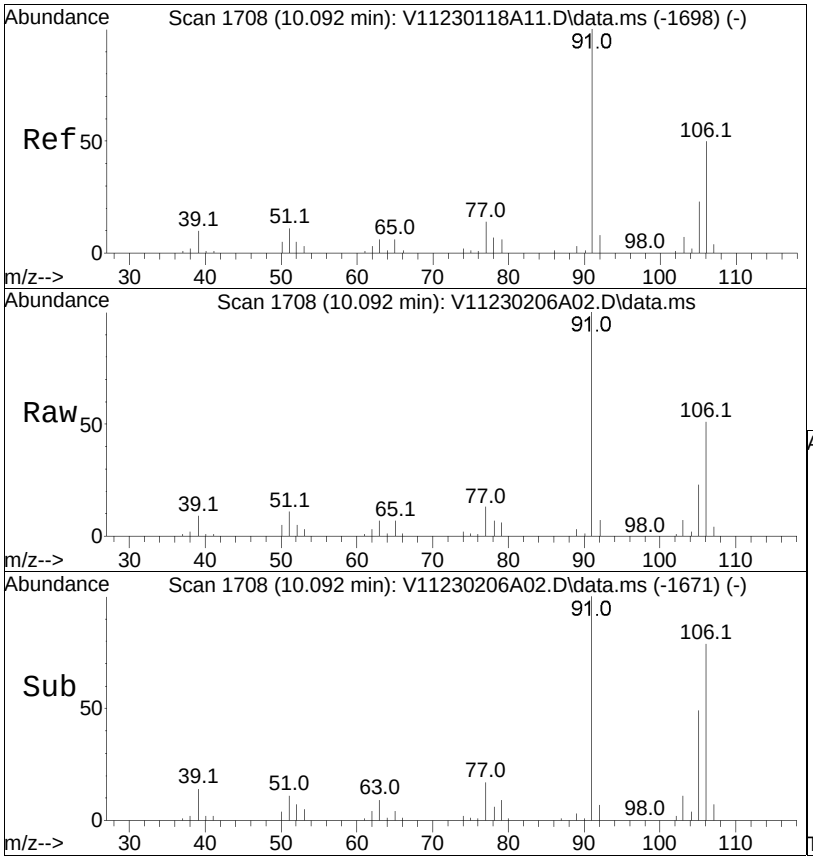


#75
1,1,1,2-Tetrachloroethane
Concen: 44.13 ug/L
RT: 9.945 min Scan# 1680
Delta R.T. -0.006 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:131 Resp: 39298

Ion	Ratio	Lower	Upper
131	100		
133	95.0	75.2	115.2
119	66.8	44.7	84.7

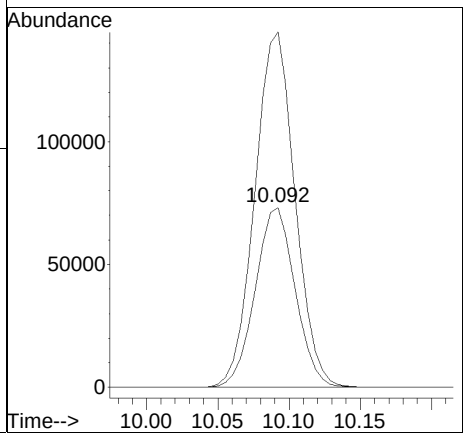


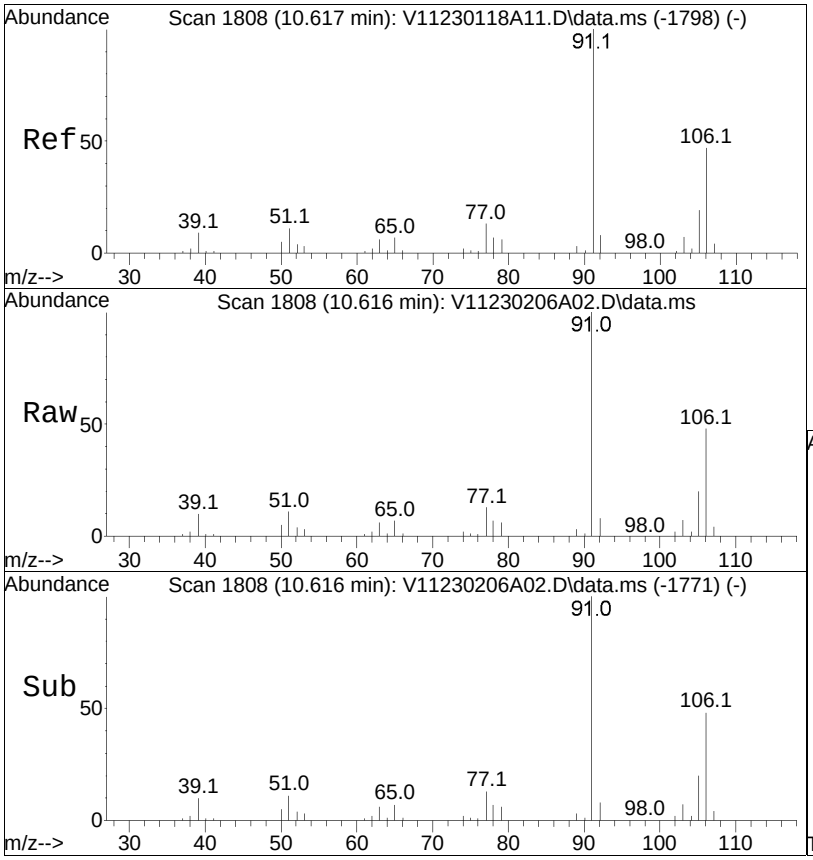


#76
p/m Xylene
Concen: 89.26 ug/L
RT: 10.092 min Scan# 1708
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:106 Resp: 142479

Ion	Ratio	Lower	Upper
106	100		
91	198.9	159.3	238.9

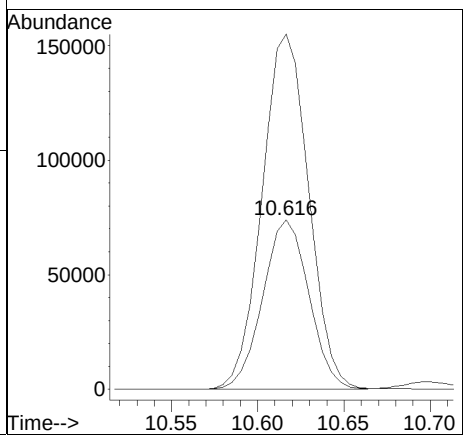


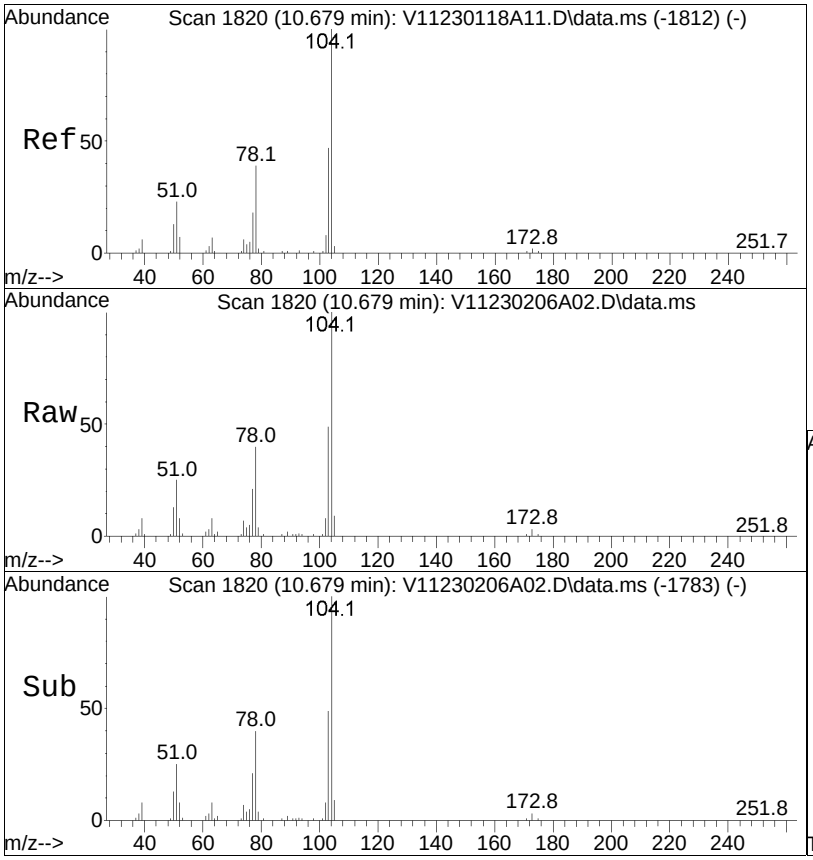


#77
o Xylene
Concen: 89.20 ug/L
RT: 10.616 min Scan# 1808
Delta R.T. -0.006 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:106 Resp: 137618

Ion	Ratio	Lower	Upper
106	100		
91	211.5	170.2	255.2

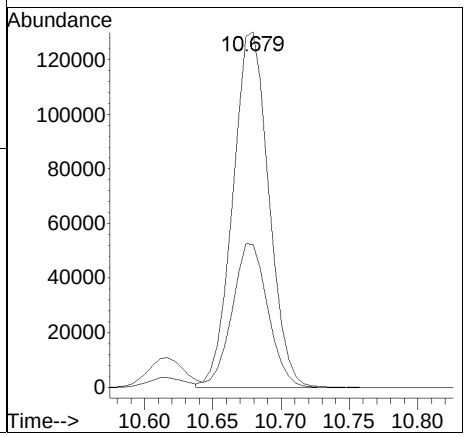


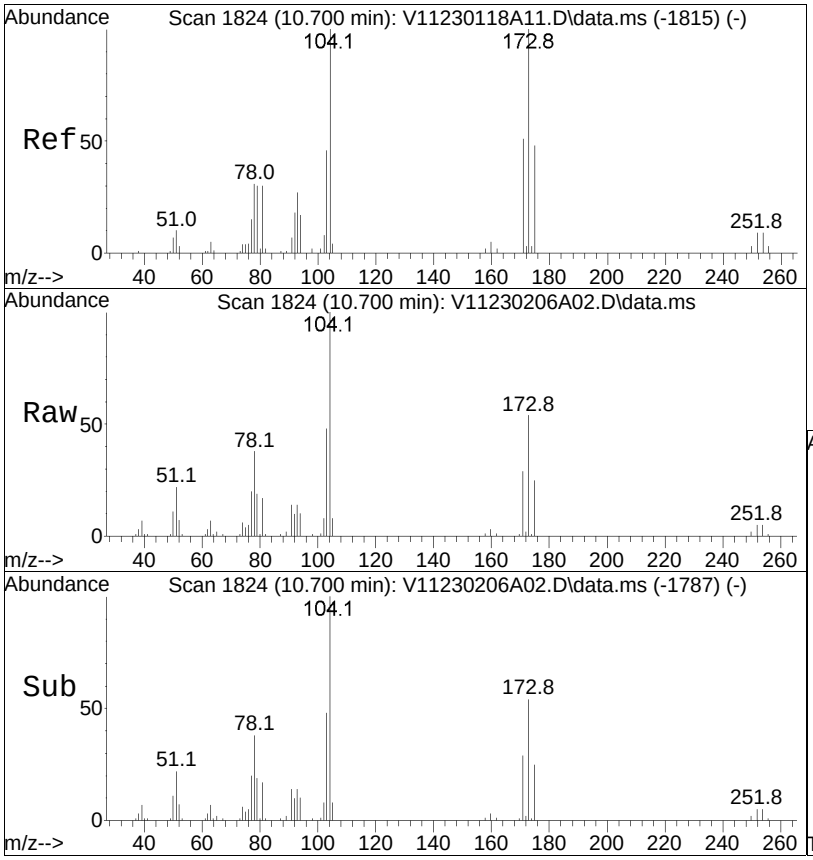


#78
Styrene
Concen: 91.31 ug/L
RT: 10.679 min Scan# 1820
Delta R.T. -0.006 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:104 Resp: 237851

Ion	Ratio	Lower	Upper
104	100		
78	40.1	34.4	51.6

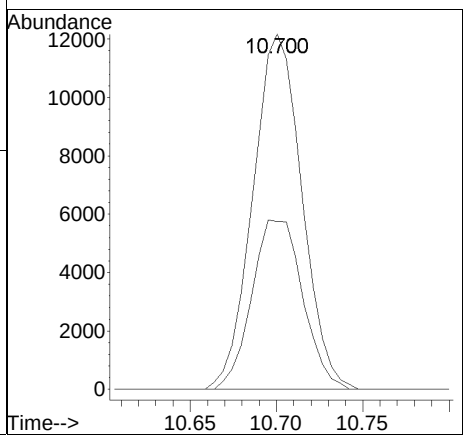


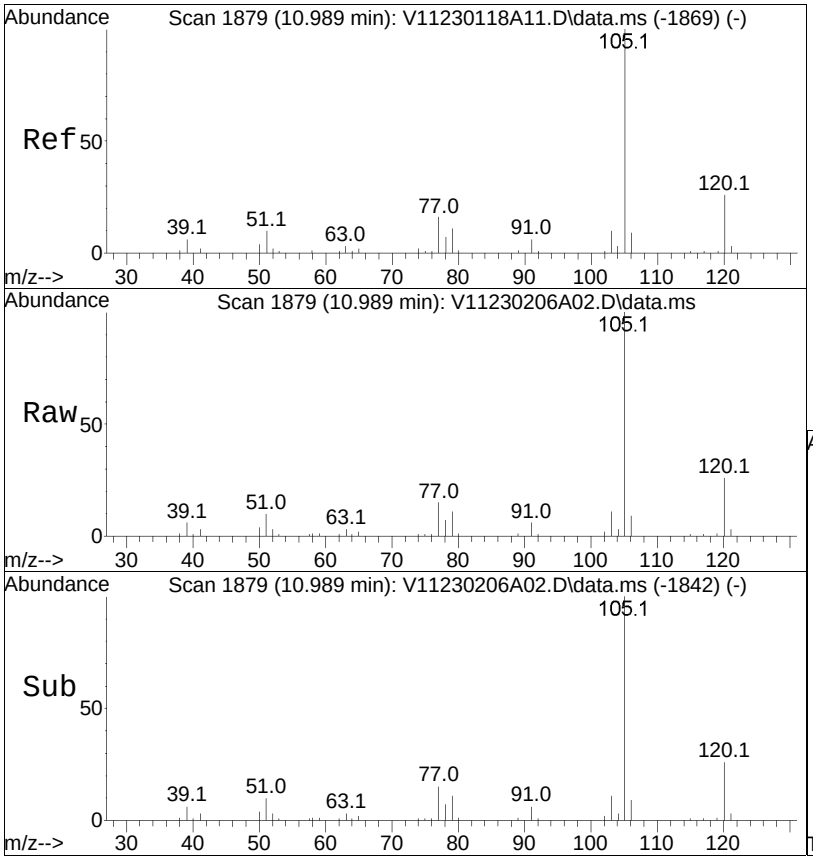


#80
Bromoform
Concen: 39.96 ug/L
RT: 10.700 min Scan# 1824
Delta R.T. -0.006 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:173 Resp: 24080

Ion	Ratio	Lower	Upper
173	100		
175	49.5	28.1	68.1

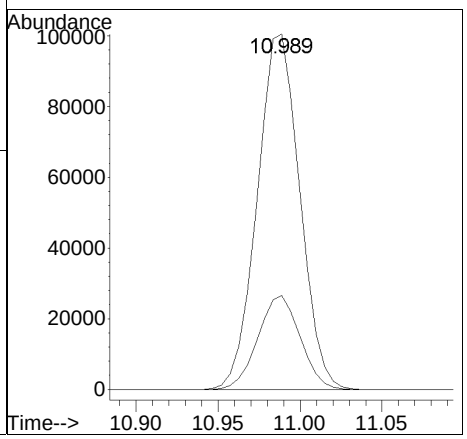


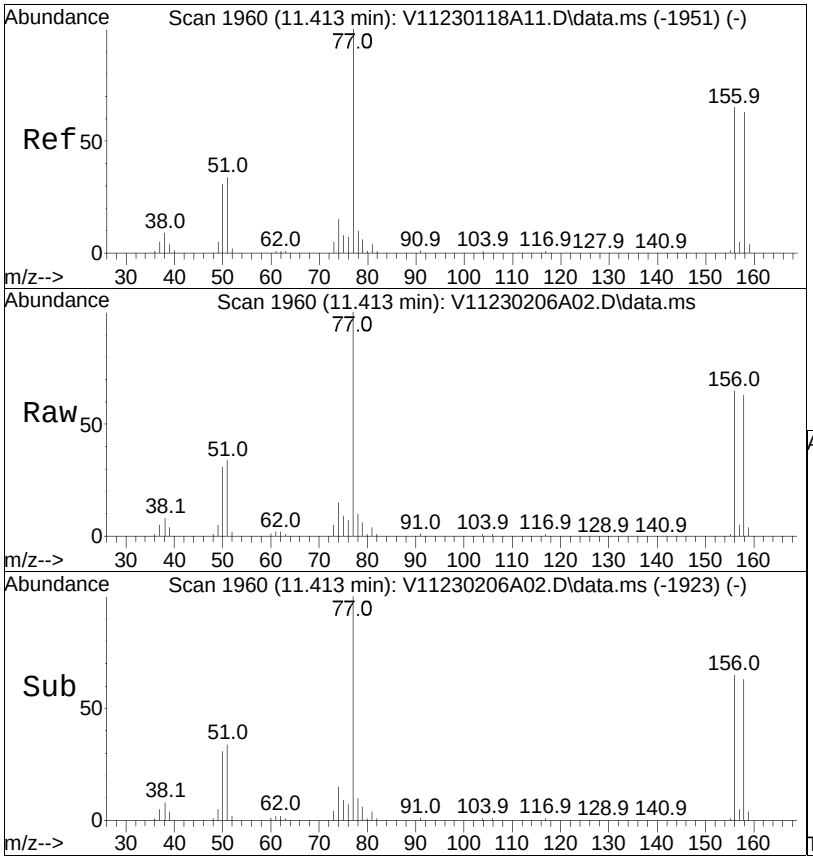


#82
Isopropylbenzene
Concen: 44.34 ug/L
RT: 10.989 min Scan# 1879
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:105 Resp: 181056

Ion	Ratio	Lower	Upper
105	100		
120	26.2	6.9	46.9

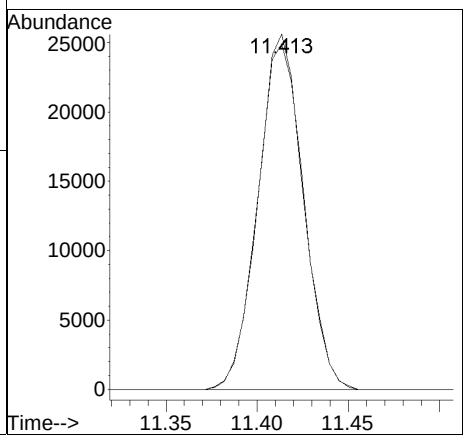


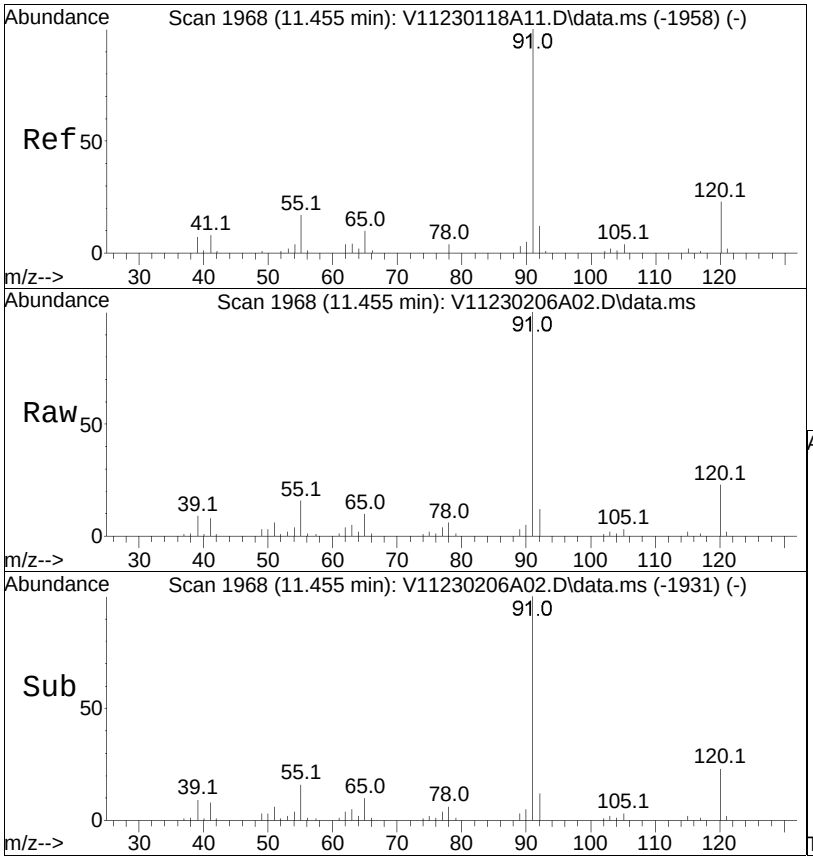


#84
Bromobenzene
Concen: 40.53 ug/L
RT: 11.413 min Scan# 1960
Delta R.T. -0.006 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:156 Resp: 44074

Ion	Ratio	Lower	Upper
156	100		
158	99.5	77.5	116.3

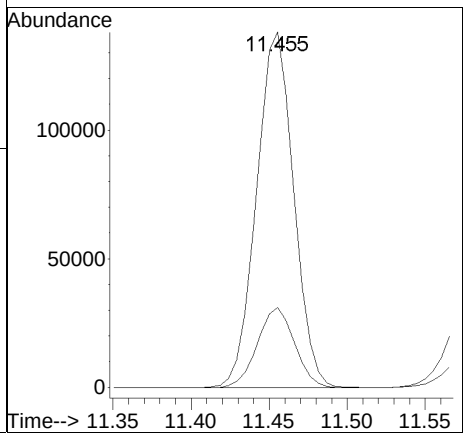


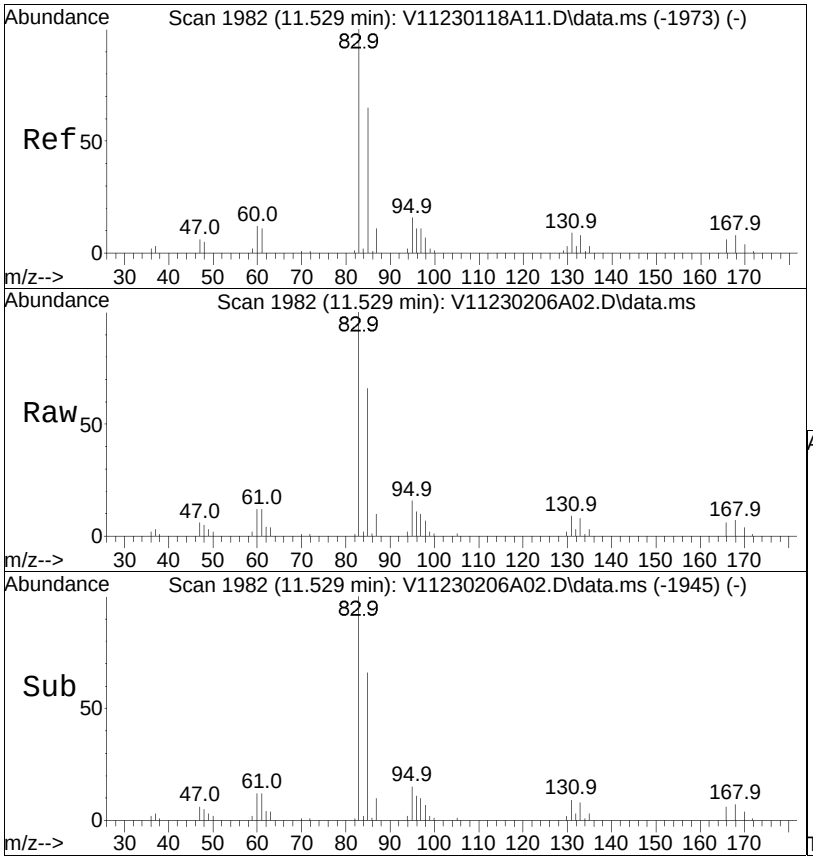


#85
n-Propylbenzene
Concen: 44.77 ug/L
RT: 11.455 min Scan# 1968
Delta R.T. -0.006 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 91 Resp: 228507

Ion	Ratio	Lower	Upper
91	100		
120	22.3	18.6	27.8

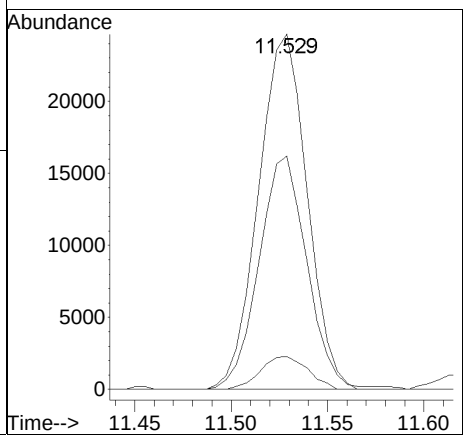


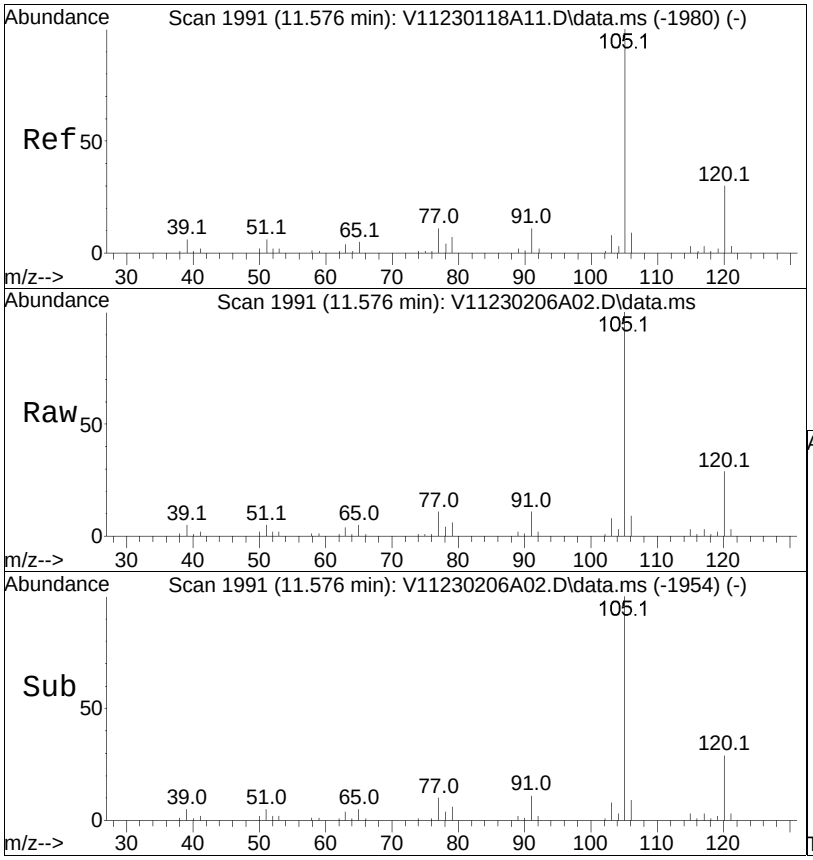


#87
1,1,2,2-Tetrachloroethane
Concen: 42.25 ug/L
RT: 11.529 min Scan# 1982
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 83 Resp: 43221

Ion	Ratio	Lower	Upper
83	100		
131	9.1	0.0	30.1
85	65.1	45.8	85.8

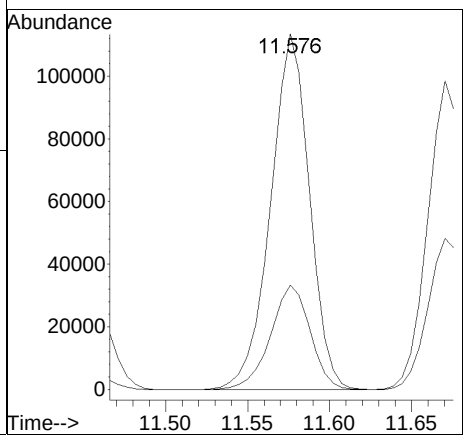


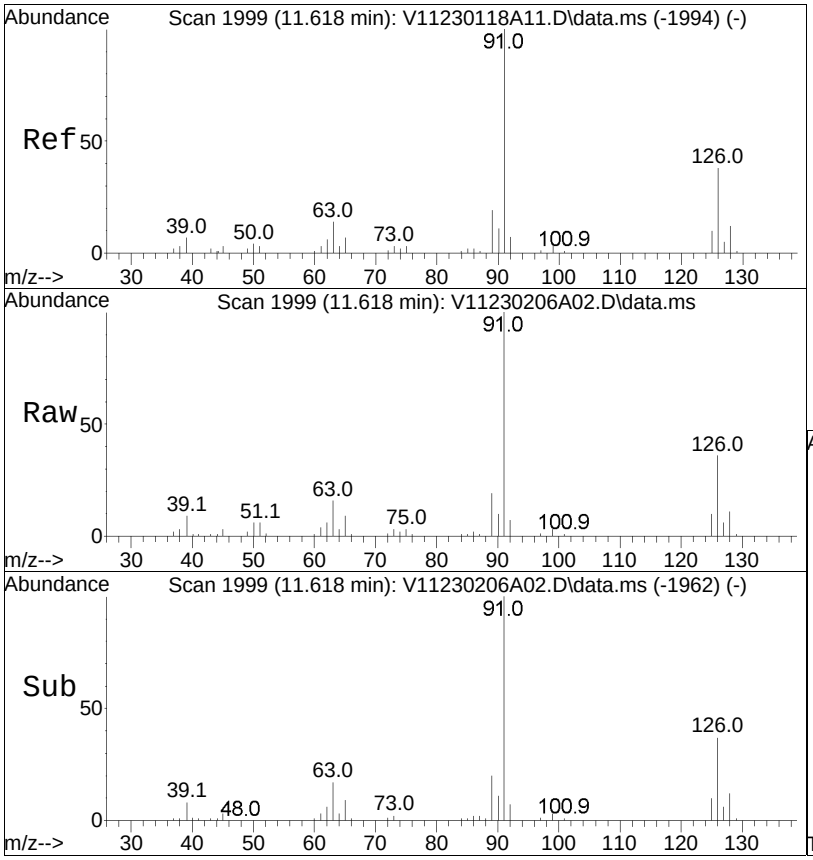


#88
4-Ethyltoluene
Concen: 45.64 ug/L
RT: 11.576 min Scan# 1991
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:105 Resp: 186722

Ion	Ratio	Lower	Upper
105	100		
120	29.9	19.5	40.5

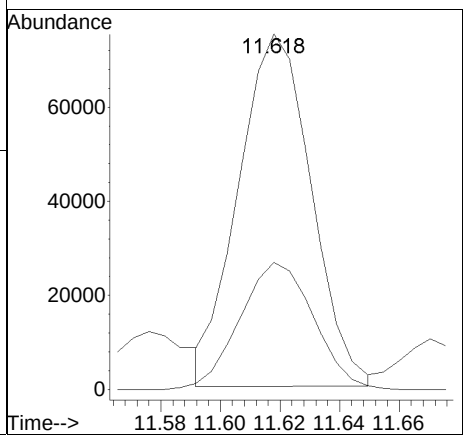


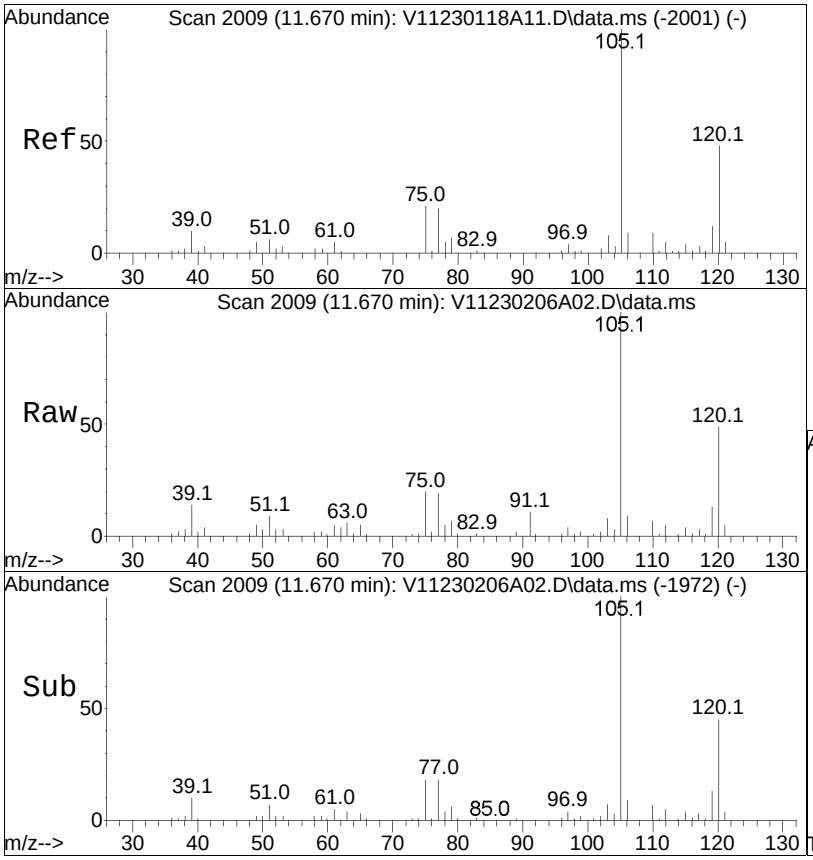


#89
2-Chlorotoluene
Concen: 42.40 ug/L
RT: 11.618 min Scan# 1999
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 91 Resp: 126950

Ion	Ratio	Lower	Upper
91	100		
126	36.5	24.3	36.5

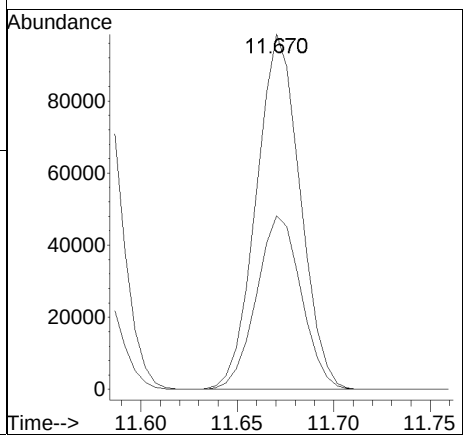


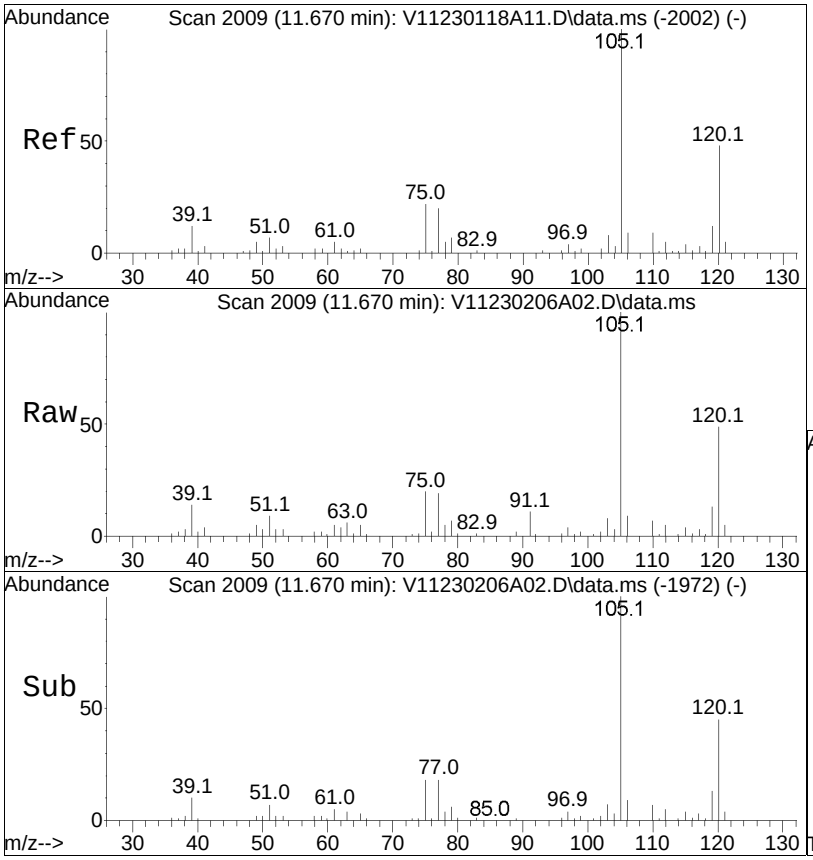


#90
1,3,5-Trimethylbenzene
Concen: 44.73 ug/L
RT: 11.670 min Scan# 2009
Delta R.T. -0.006 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:105 Resp: 155746

Ion	Ratio	Lower	Upper
105	100		
120	49.9	39.8	59.8

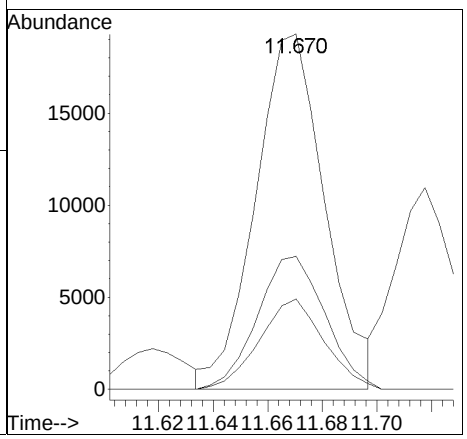


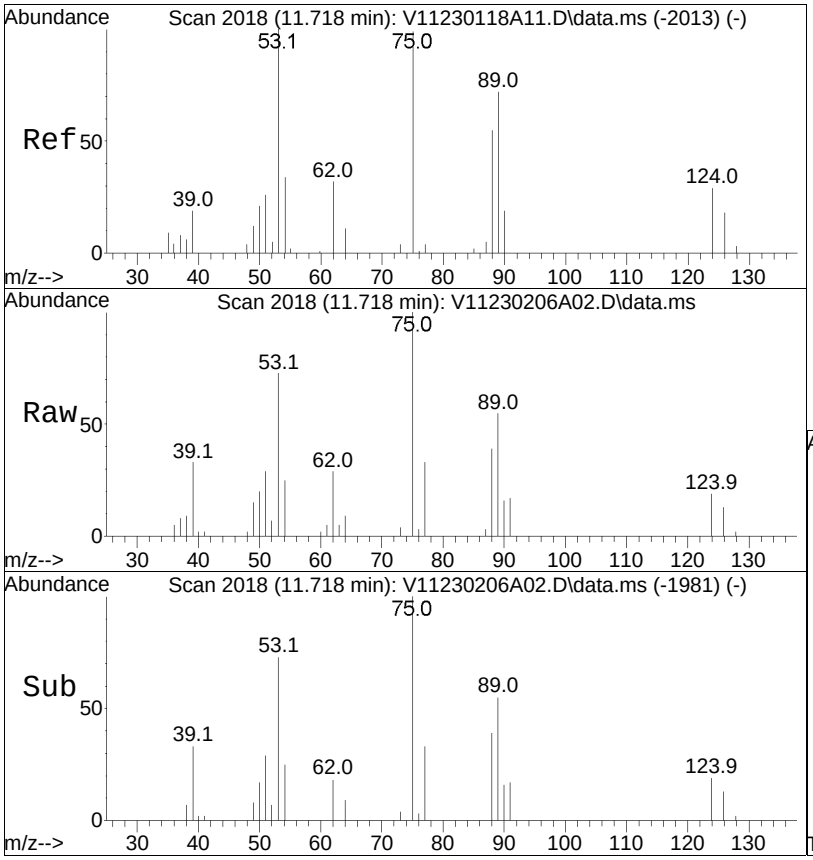


#91
1,2,3-Trichloropropane
Concen: 42.38 ug/L
RT: 11.670 min Scan# 2009
Delta R.T. -0.006 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 75 Resp: 34010

Ion	Ratio	Lower	Upper
75	100		
110	36.6	25.2	52.2
112	23.8	15.7	32.5

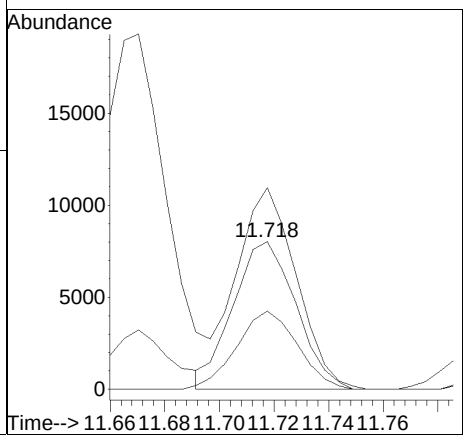


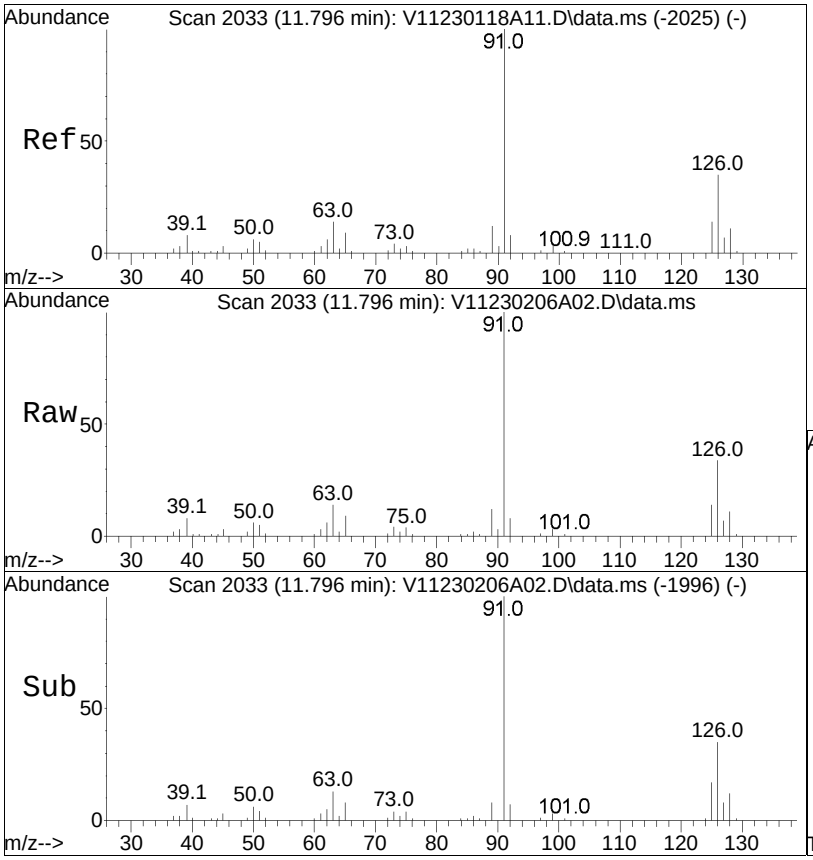


#92
trans-1,4-Dichloro-2-butene
Concen: 48.04 ug/L
RT: 11.718 min Scan# 2018
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 53 Resp: 12839

Ion	Ratio	Lower	Upper
53	100		
88	51.4	34.1	51.1#
75	127.9	82.8	124.2#

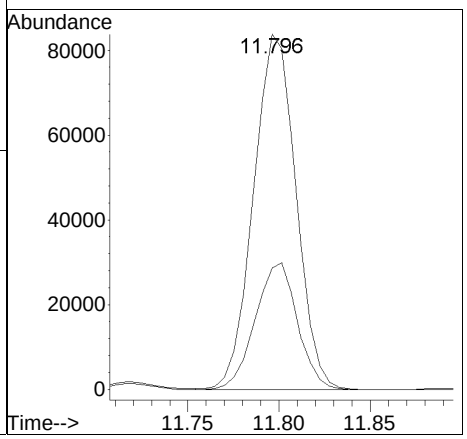


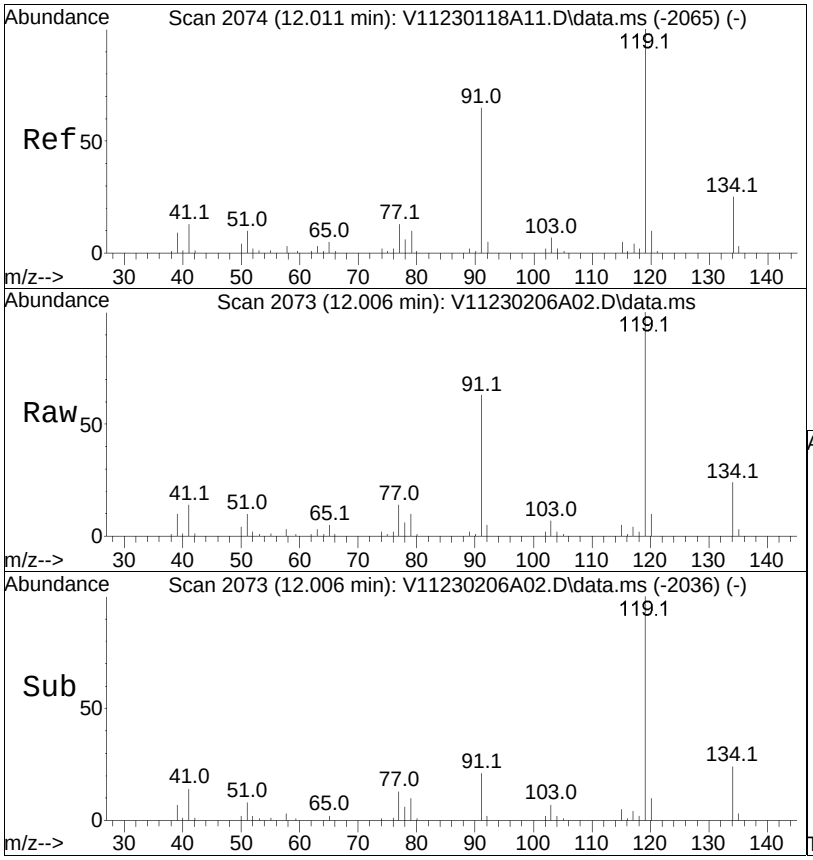


#93
4-Chlorotoluene
Concen: 43.61 ug/L
RT: 11.796 min Scan# 2033
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 91 Resp: 135712

Ion	Ratio	Lower	Upper
91	100		
126	35.3	27.9	41.9

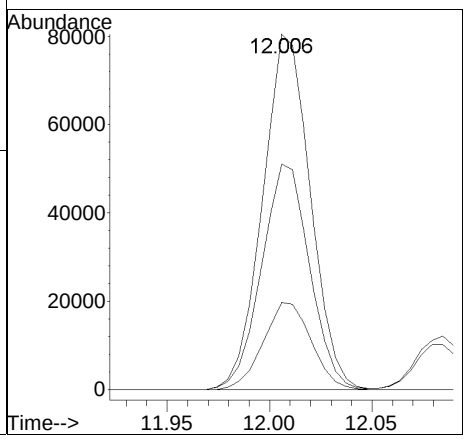


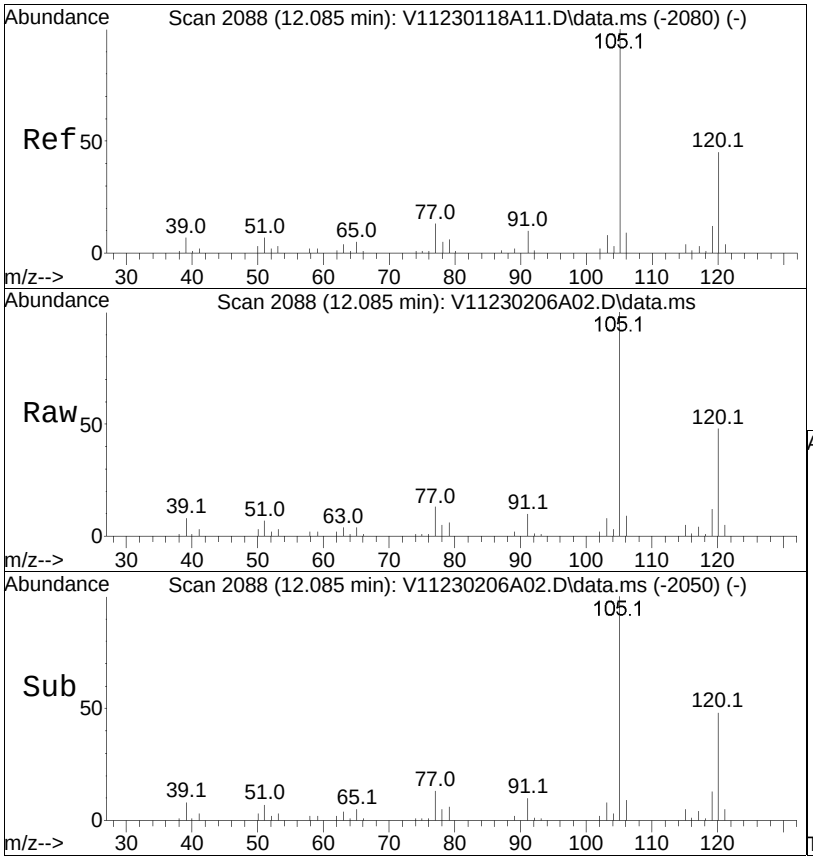


#94
tert-Butylbenzene
Concen: 44.22 ug/L
RT: 12.006 min Scan# 2073
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:119 Resp: 129991

Ion	Ratio	Lower	Upper
119	100		
91	63.9	53.0	79.4
134	24.6	19.8	29.6

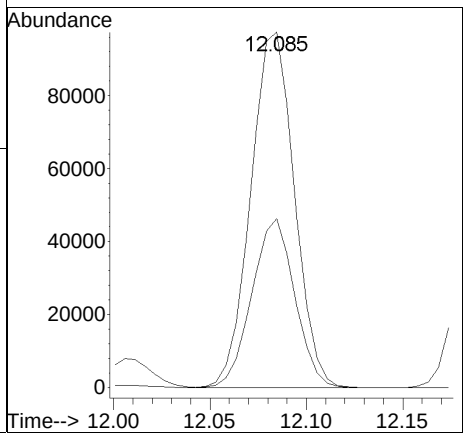


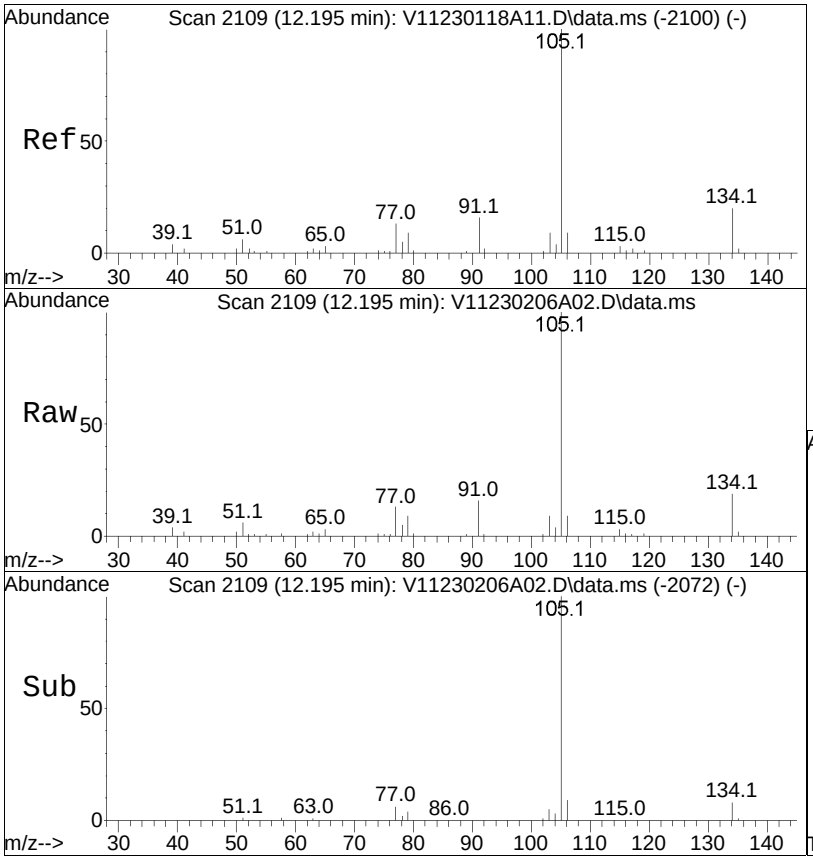


#97
1,2,4-Trimethylbenzene
Concen: 44.19 ug/L
RT: 12.085 min Scan# 2088
Delta R.T. -0.000 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:105 Resp: 153192

Ion	Ratio	Lower	Upper
105	100		
120	46.5	37.4	56.0

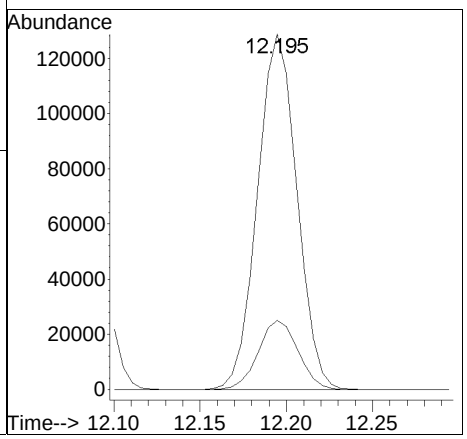


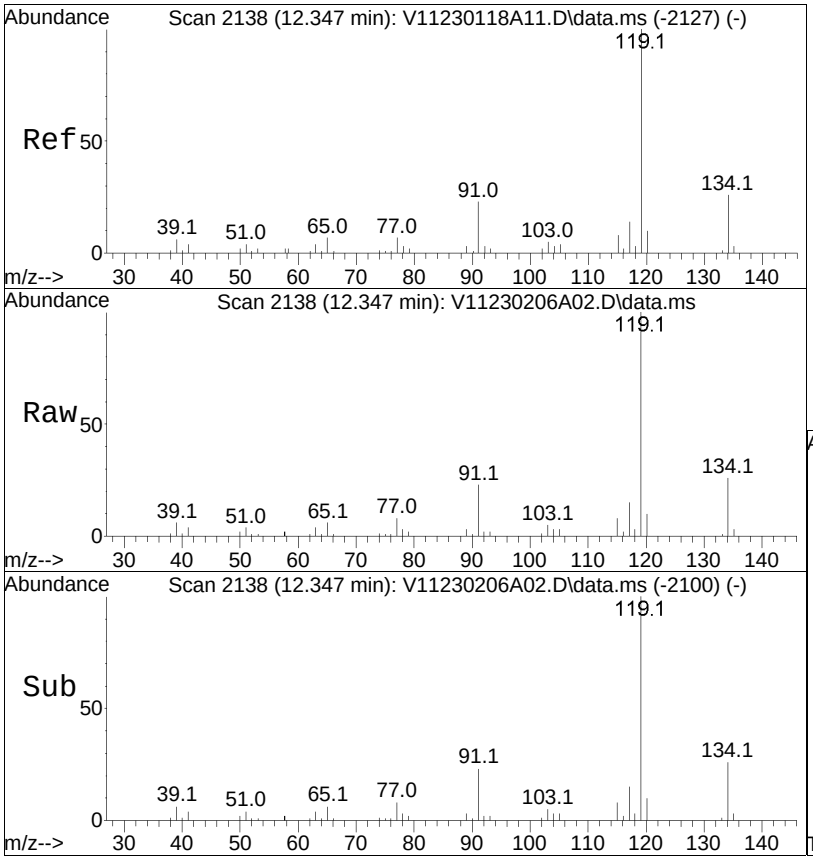


#98
sec-Butylbenzene
Concen: 45.90 ug/L
RT: 12.195 min Scan# 2109
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:105 Resp: 204264

Ion	Ratio	Lower	Upper
105	100		
134	19.5	13.2	27.4

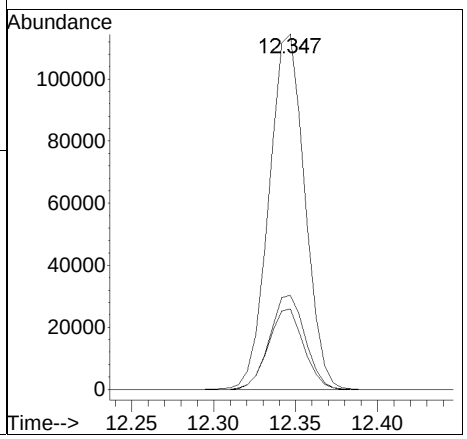


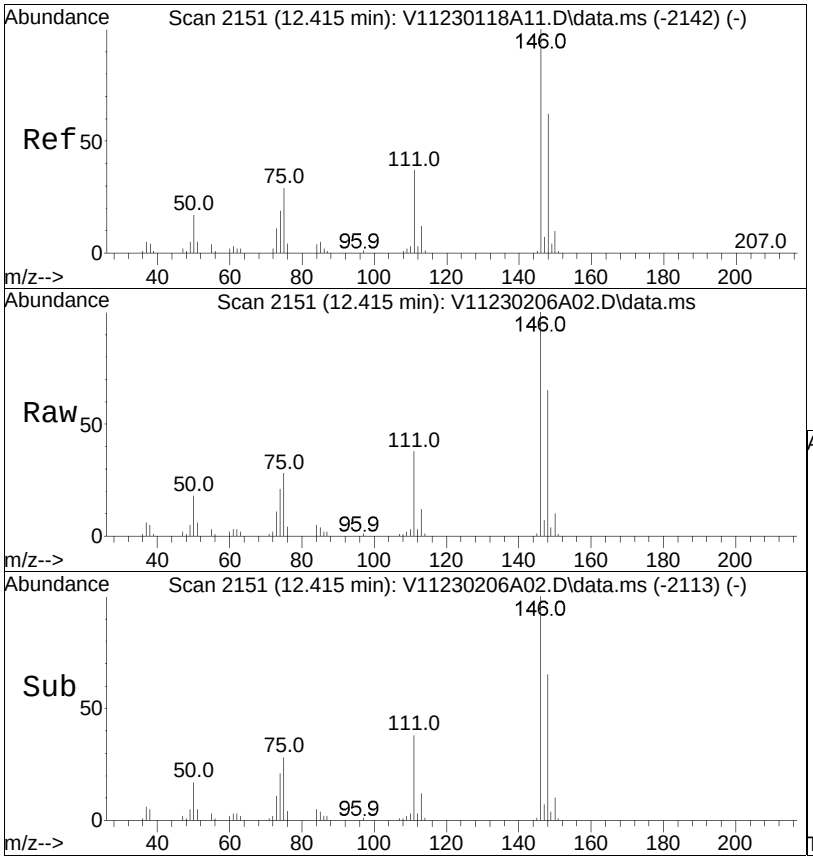


#99
p-Isopropyltoluene
Concen: 45.72 ug/L
RT: 12.347 min Scan# 2138
Delta R.T. -0.000 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:119 Resp: 173652

Ion	Ratio	Lower	Upper
119	100		
134	26.3	17.1	35.5
91	22.4	15.3	31.9

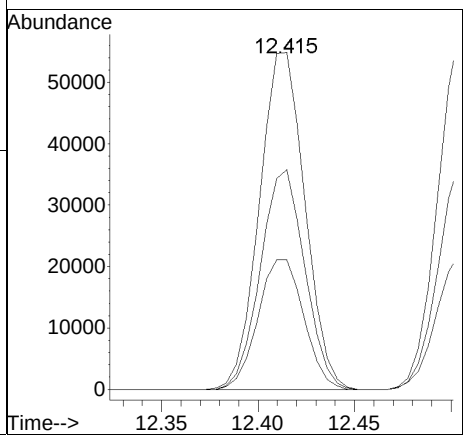


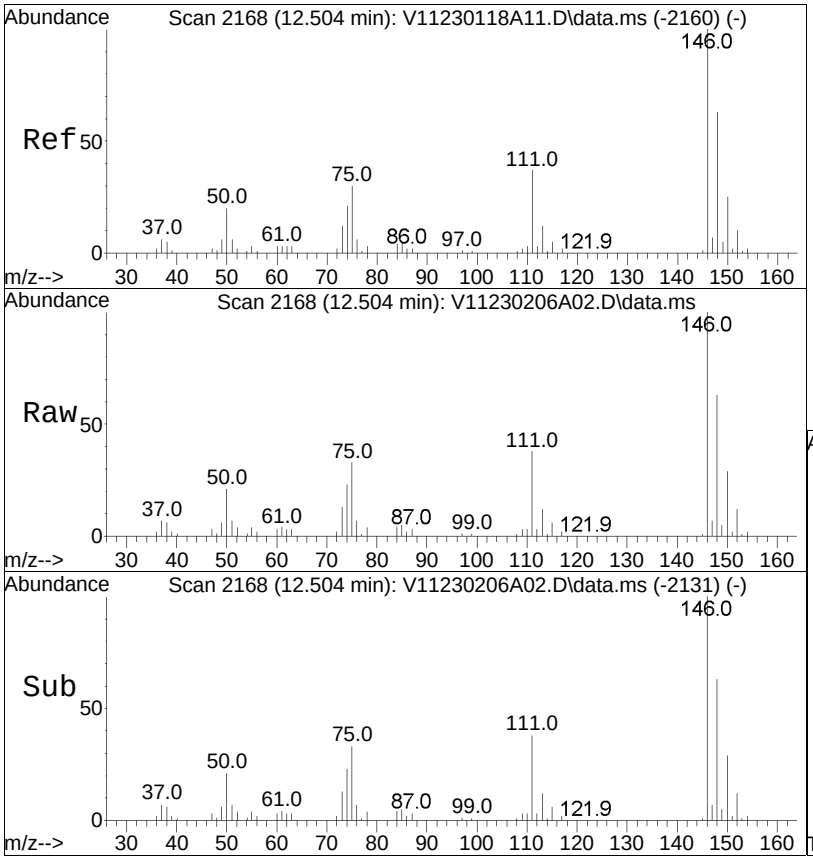


#100
1,3-Dichlorobenzene
Concen: 42.72 ug/L
RT: 12.415 min Scan# 2151
Delta R.T. -0.000 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:146 Resp: 89949

Ion	Ratio	Lower	Upper
146	100		
111	38.8	25.6	53.2
148	63.6	41.3	85.9

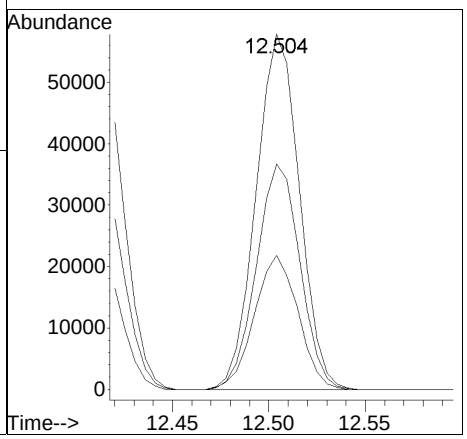


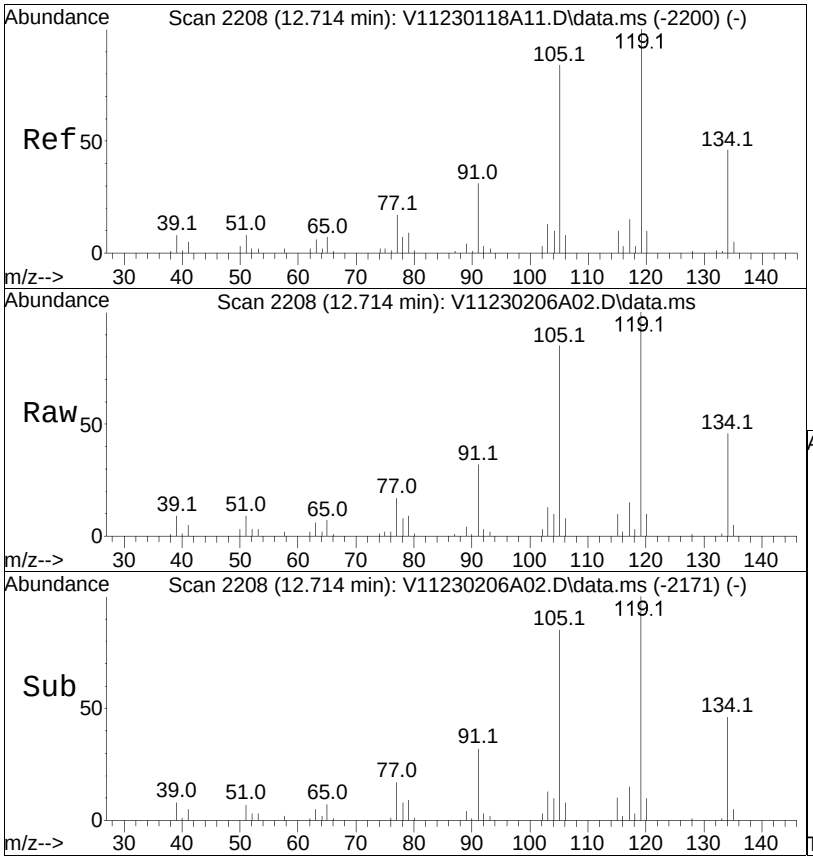


#101
1,4-Dichlorobenzene
Concen: 41.75 ug/L
RT: 12.504 min Scan# 2168
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:146 Resp: 90290

Ion	Ratio	Lower	Upper
146	100		
111	38.0	31.4	47.0
148	63.9	50.7	76.1

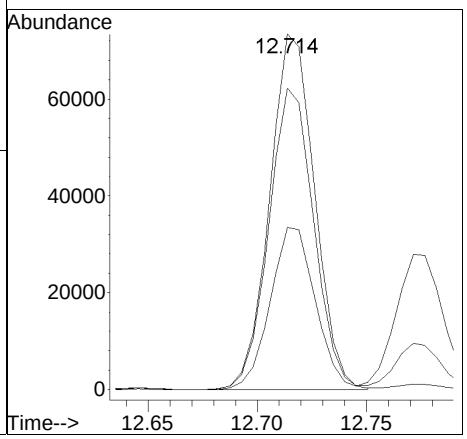


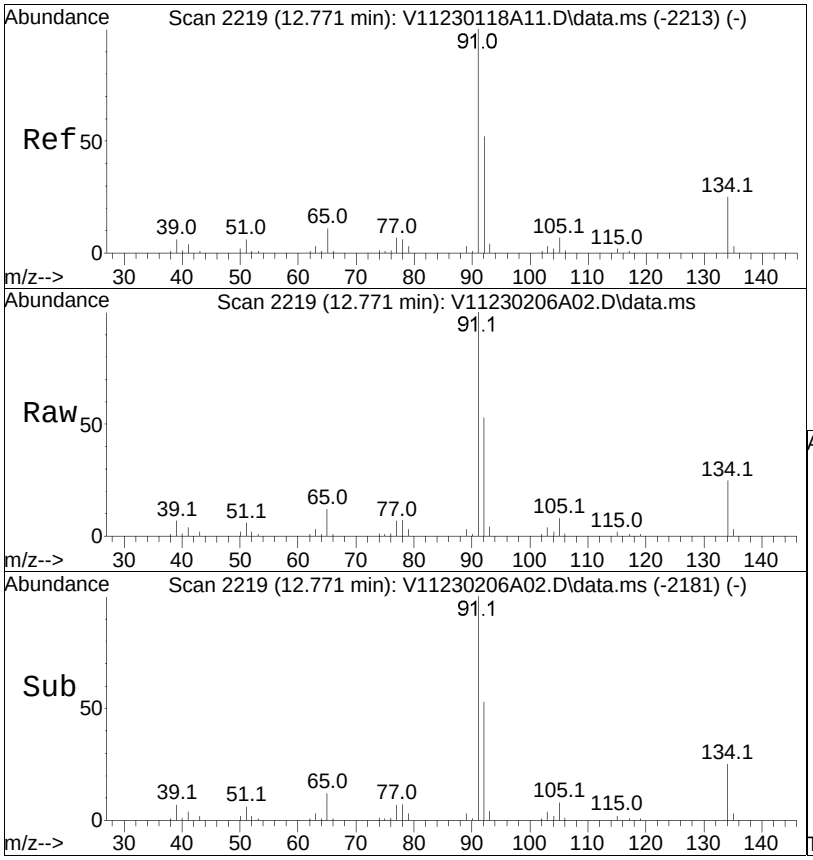


#102
p-Diethylbenzene
Concen: 46.00 ug/L
RT: 12.714 min Scan# 2208
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:119 Resp: 104905

Ion	Ratio	Lower	Upper
119	100		
105	84.8	54.5	113.3
134	45.7	29.9	62.1

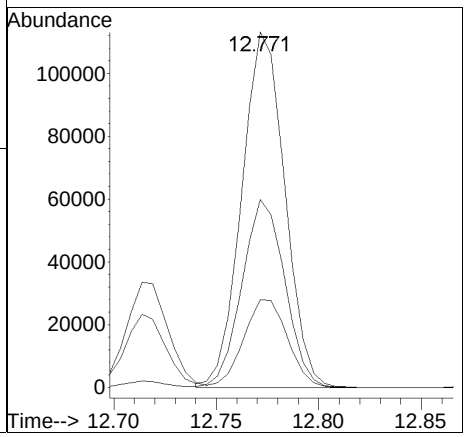


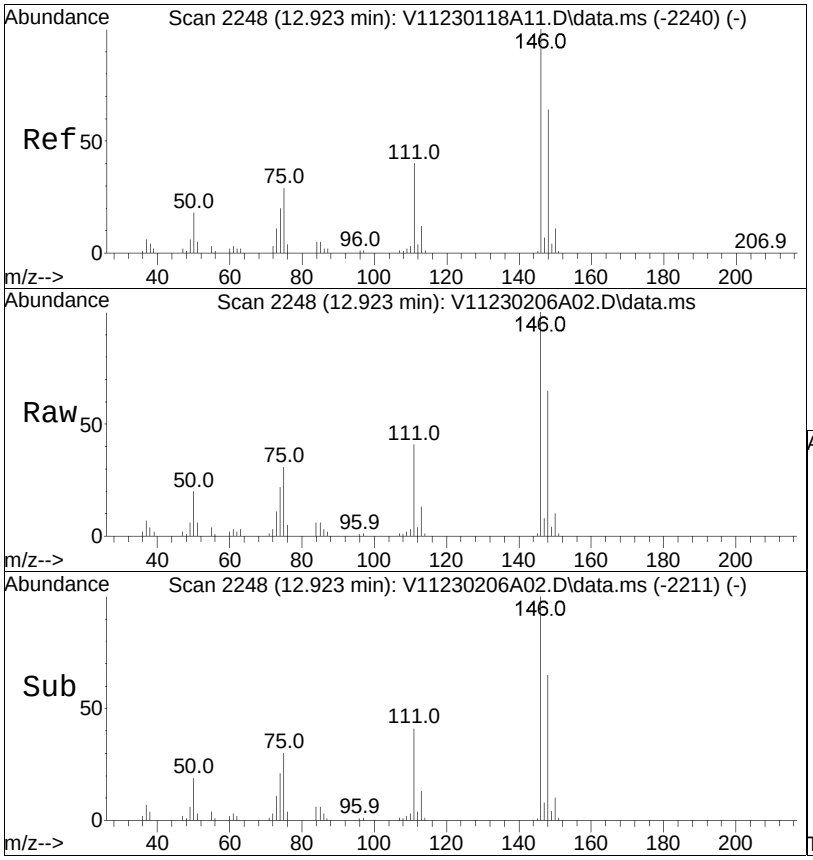


#103
n-Butylbenzene
Concen: 47.25 ug/L
RT: 12.771 min Scan# 2219
Delta R.T. 0.000 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion: 91 Resp: 165509

Ion	Ratio	Lower	Upper
91	100		
92	52.7	43.3	64.9
134	25.2	21.4	32.0

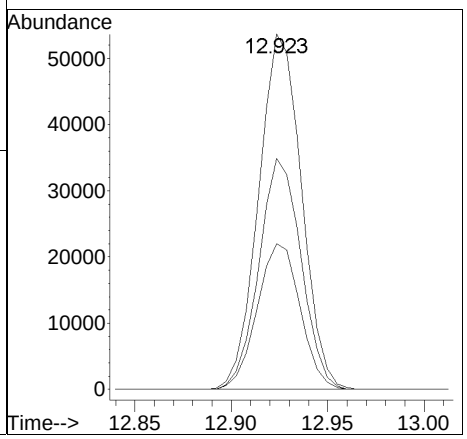


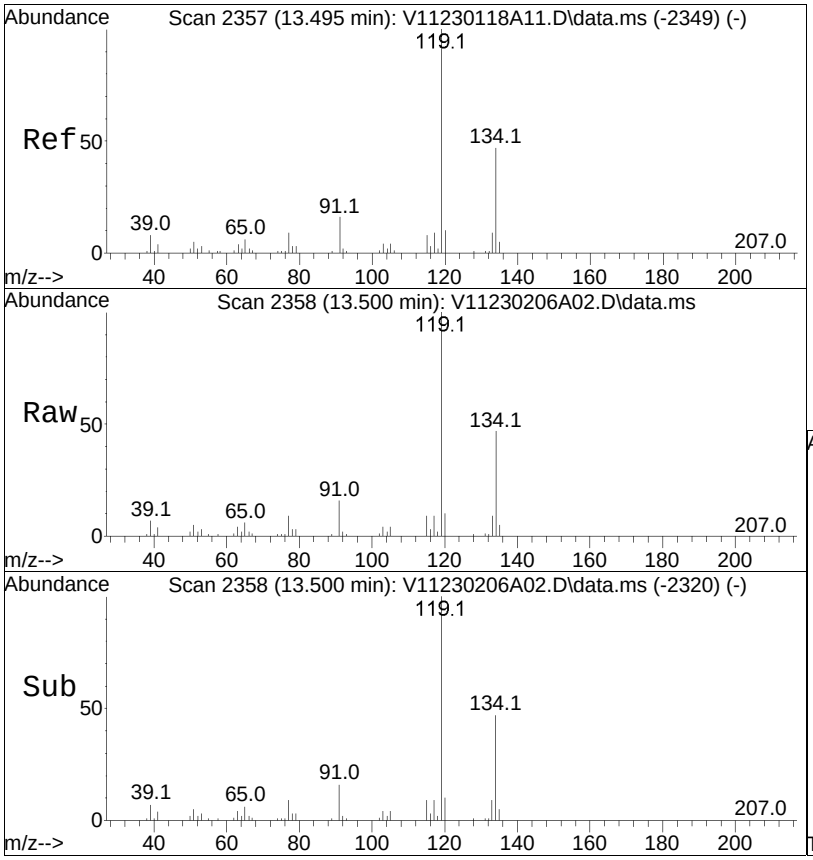


#104
1,2-Dichlorobenzene
Concen: 41.71 ug/L
RT: 12.923 min Scan# 2248
Delta R.T. -0.006 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:146 Resp: 83126

Ion	Ratio	Lower	Upper
146	100		
111	41.0	26.9	55.9
148	63.8	41.2	85.6

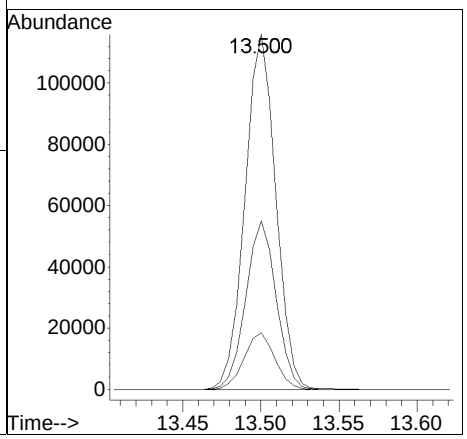


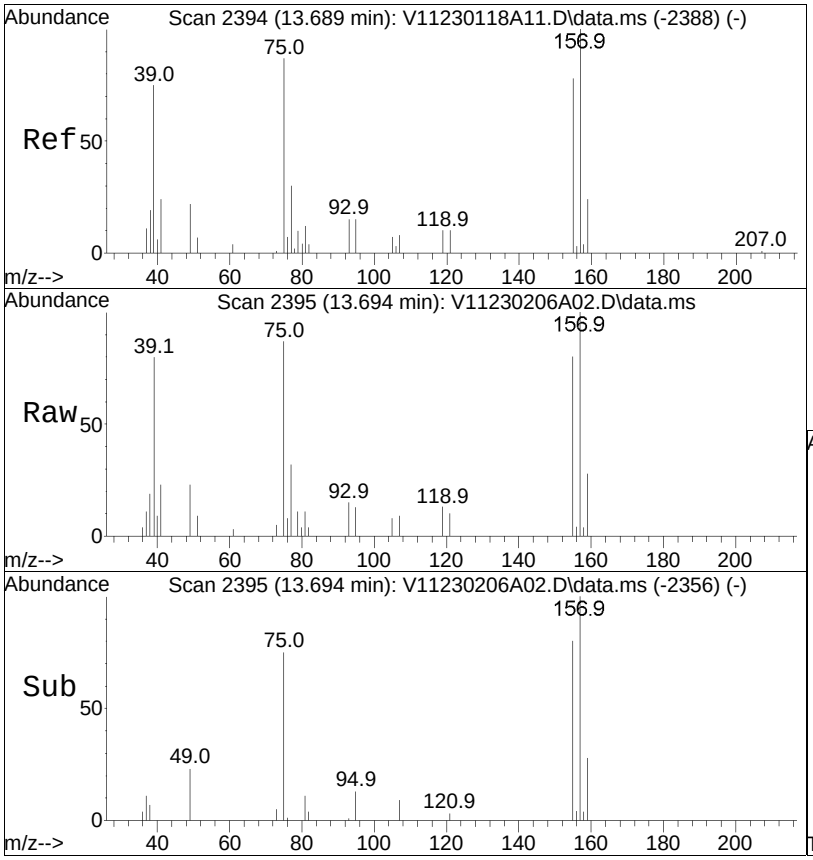


#105
1,2,4,5-Tetramethylbenzene
Concen: 44.65 ug/L
RT: 13.500 min Scan# 2358
Delta R.T. 0.000 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:119 Resp: 159038

Ion	Ratio	Lower	Upper
119	100		
134	46.7	31.1	64.5
91	15.9	10.4	21.6

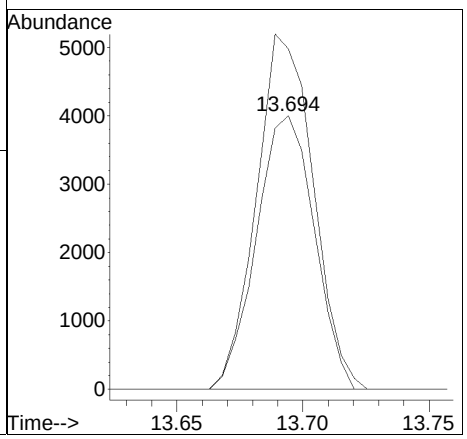


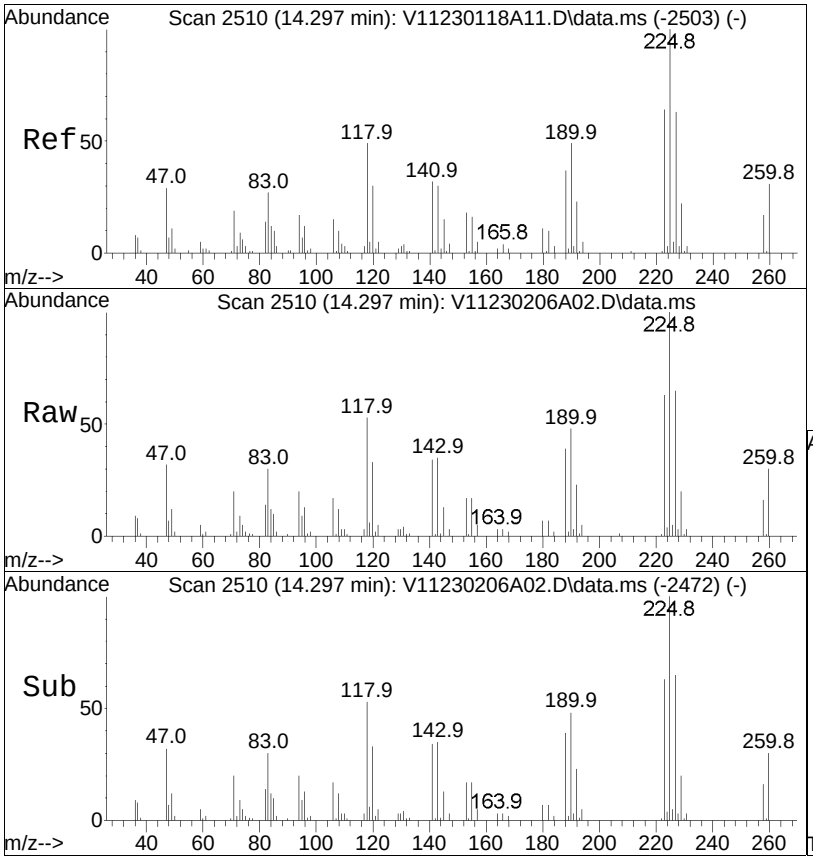


#106
1,2-Dibromo-3-chloropropane
Concen: 42.38 ug/L
RT: 13.694 min Scan# 2395
Delta R.T. 0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:155 Resp: 6403

Ion	Ratio	Lower	Upper
155	100		
157	127.2	100.0	150.0

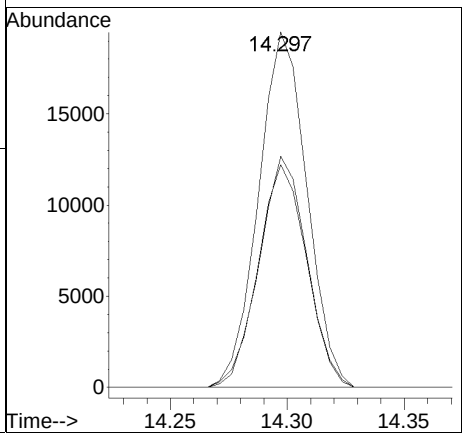


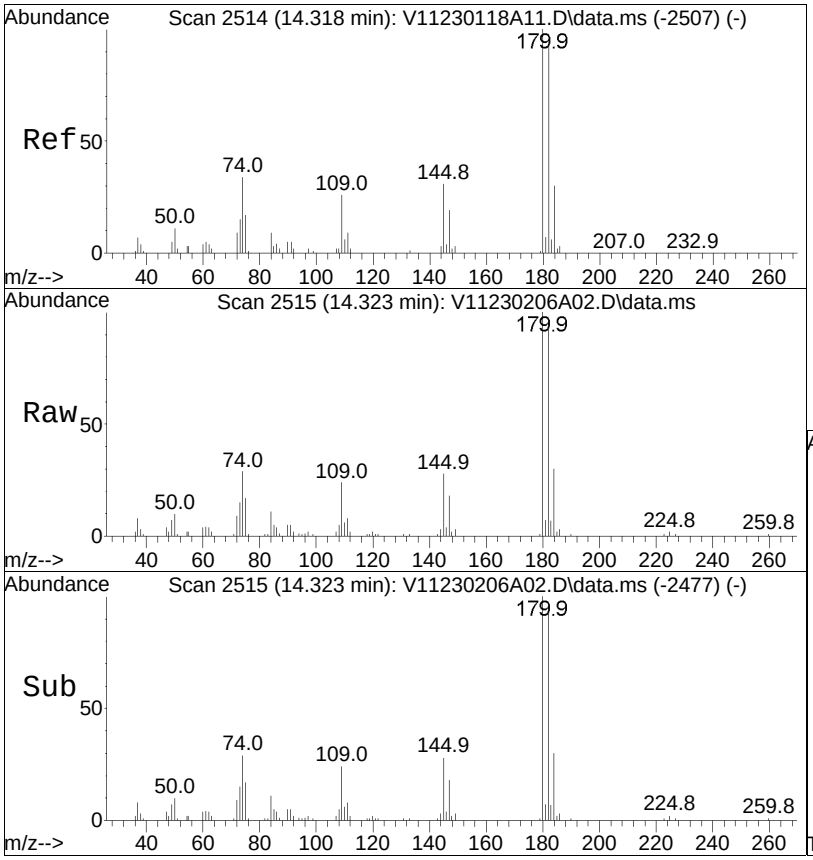


#108
Hexachlorobutadiene
Concen: 45.28 ug/L
RT: 14.297 min Scan# 2510
Delta R.T. 0.000 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:225 Resp: 28002

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.9	74.9
227	64.1	50.6	75.8

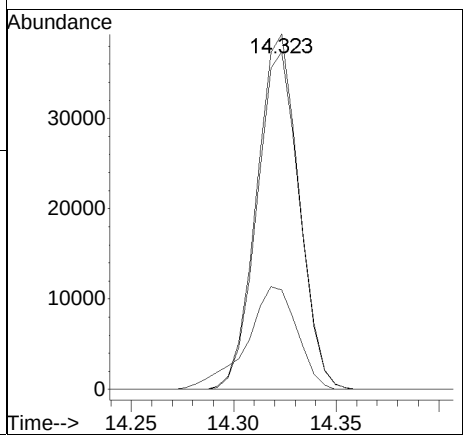


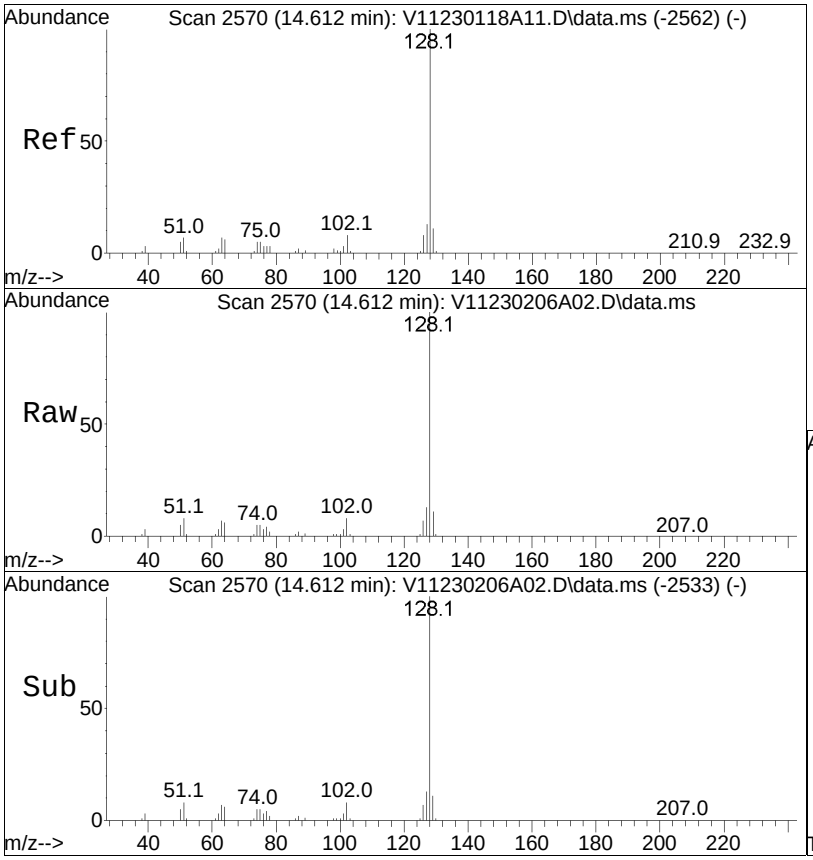


#109
1,2,4-Trichlorobenzene
Concen: 45.09 ug/L
RT: 14.323 min Scan# 2515
Delta R.T. 0.000 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:180 Resp: 56654

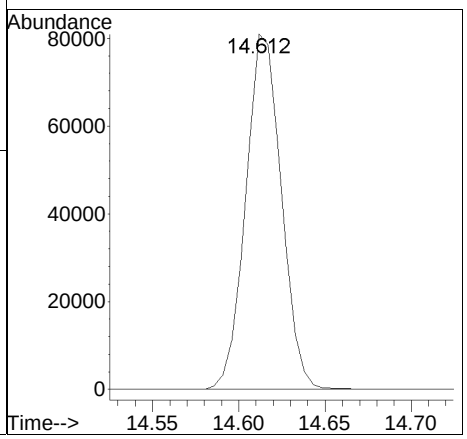
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.6
145	34.4	29.6	44.4

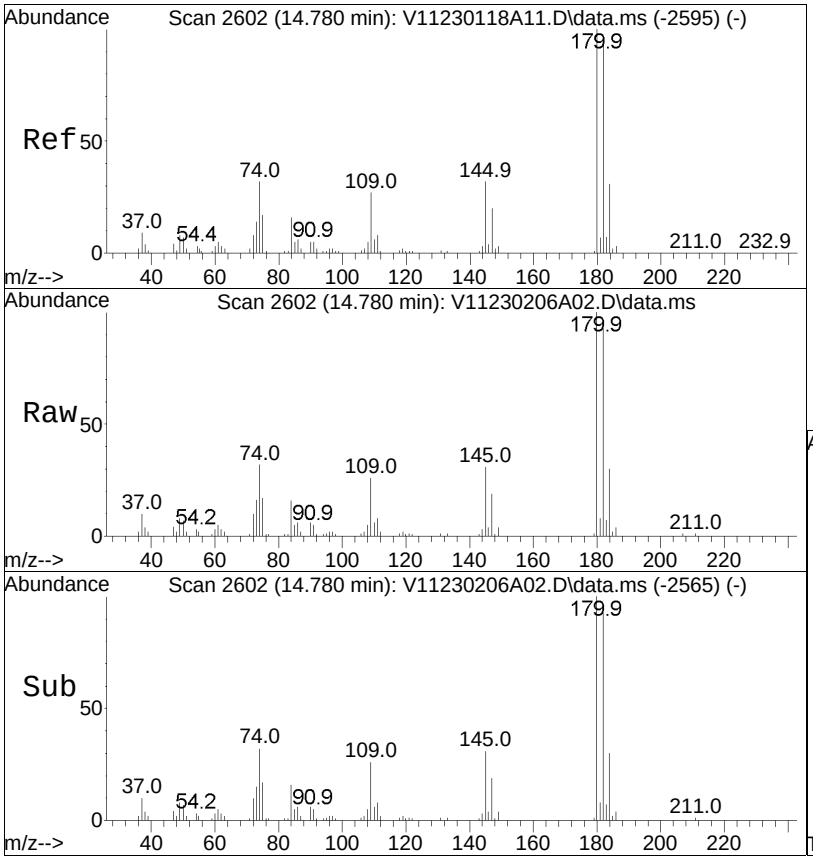




#110
Naphthalene
Concen: 43.03 ug/L
RT: 14.612 min Scan# 2570
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:128 Resp: 116245

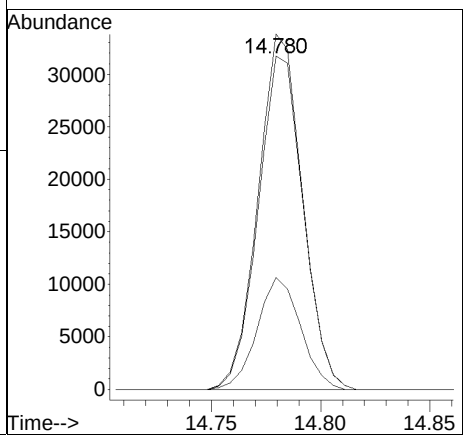




#111
1,2,3-Trichlorobenzene
Concen: 45.49 ug/L
RT: 14.780 min Scan# 2602
Delta R.T. -0.005 min
Lab File: V11230206A02.D
Acq: 06 Feb 2023 07:44 am

Tgt Ion:180 Resp: 47724

Ion	Ratio	Lower	Upper
180	100		
182	95.0	74.2	111.4
145	30.8	26.3	39.5



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2	QMethod	: V111_230118_8260.m
Data File	: V11230206A02.D	Operator	: VOA111:NLK
Date Inj'd	: 2/6/2023 7:44 am	Instrument	: VOA111
Sample	: WG1741518-3,31,5,5	Quant Date	: 2/6/2023 8:12 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A02.D
Acq On : 06 Feb 2023 08:32 am
Operator : VOA122:PID
Sample : WG1741609-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 06 09:03:55 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230206A\V22230206A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.292	96	315671	10.000 ug/L	0.00
Standard Area 1 = 308167			Recovery = 102.44%		
62) Chlorobenzene-d5	9.874	117	251093	10.000 ug/L	0.00
Standard Area 1 = 247621			Recovery = 101.40%		
83) 1,4-Dichlorobenzene-d4	12.508	152	141434	10.000 ug/L	0.00
Standard Area 1 = 143234			Recovery = 98.74%		
System Monitoring Compounds					
38) Dibromofluoromethane	5.460	113	109388	10.902 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.02%		
46) 1,2-Dichloroethane-d4	6.004	65	125070	10.945 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.45%		
63) Toluene-d8	8.009	98	340323	10.346 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.46%		
87) 4-Bromofluorobenzene	11.325	95	142265	10.372 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.72%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.682	85	60453	8.753 ug/L	99
3) Chloromethane	1.891	50	59535	9.647 ug/L	99
4) Vinyl chloride	1.975	62	48856	10.600 ug/L	98
5) Bromomethane	2.316	94	24078	11.120 ug/L	97
6) Chloroethane	2.442	64	33190	10.107 ug/L	98
7) Trichlorofluoromethane	2.595	101	91340	10.428 ug/L	99
8) Ethyl ether	2.916	74	15044	9.872 ug/L #	1
10) 1,1-Dichloroethene	3.125	96	44742	10.481 ug/L #	69
11) Carbon disulfide	3.153	76	150994	10.422 ug/L	100
15) Methylene chloride	3.704	84	49632	10.480 ug/L	82
17) Acetone	3.746	43	8162	12.089 ug/L	99
18) trans-1,2-Dichloroethene	3.871	96	48328	10.396 ug/L	82
21) Methyl tert-butyl ether	3.969	73	71145	10.001 ug/L	96
25) 1,1-Dichloroethane	4.470	63	100077	10.193 ug/L	97
27) Acrylonitrile	4.519	53	9888	10.834 ug/L	97
29) Vinyl acetate	4.707	43	50251	11.560 ug/L	95
30) cis-1,2-Dichloroethene	5.007	96	52361	10.383 ug/L #	82
31) 2,2-Dichloropropane	5.119	77	88997	10.748 ug/L	98
32) Bromochloromethane	5.209	128	20955	9.997 ug/L #	72
34) Chloroform	5.279	83	93759	9.868 ug/L	99

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A02.D
Acq On : 06 Feb 2023 08:32 am
Operator : VOA122:PID
Sample : WG1741609-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 06 09:03:55 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230206A\V22230206A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	5.426	117	78970	10.747	ug/L		98
39) 1,1,1-Trichloroethane	5.488	97	86857	10.485	ug/L		98
41) 2-Butanone	5.579	43	8543	10.399	ug/L	#	42
42) 1,1-Dichloropropene	5.614	75	56971	9.231	ug/L		94
44) Benzene	5.863	78	154879	9.706	ug/L		94
47) 1,2-Dichloroethane	6.070	62	64002	9.971	ug/L		97
51) Trichloroethene	6.469	95	47017	9.493	ug/L		87
53) Dibromomethane	6.918	93	24769	10.290	ug/L	#	83
54) 1,2-Dichloropropane	7.029	63	39024	9.309	ug/L		93
57) Bromodichloromethane	7.095	83	62128	9.620	ug/L		96
60) 1,4-Dioxane	7.309	88	14616	621.693	ug/L	#	70
61) cis-1,3-Dichloropropene	7.795	75	60935	9.617	ug/L		97
64) Toluene	8.068	92	107818	9.656	ug/L		95
65) 4-Methyl-2-pentanone	8.495	58	4953	9.633	ug/L		98
66) Tetrachloroethene	8.525	166	41989	9.624	ug/L		89
68) trans-1,3-Dichloropropene	8.549	75	57794	8.969	ug/L		99
71) 1,1,2-Trichloroethane	8.740	83	21114	9.184	ug/L		94
72) Chlorodibromomethane	8.954	129	33002	8.608	ug/L		98
73) 1,3-Dichloropropane	9.065	76	47108	9.123	ug/L		99
74) 1,2-Dibromoethane	9.239	107	25603	9.440	ug/L		99
76) 2-Hexanone	9.517	43	11705	8.793	ug/L		97
77) Chlorobenzene	9.897	112	114327	9.464	ug/L	#	87
78) Ethylbenzene	9.937	91	221490	9.694	ug/L		96
79) 1,1,1,2-Tetrachloroethane	9.977	131	33467	8.839	ug/L		95
80) p/m Xylene	10.119	106	174165	20.572	ug/L		87
81) o Xylene	10.643	106	166214	20.275	ug/L		87
82) Styrene	10.706	104	270982	20.353	ug/L	#	86
84) Bromoform	10.730	173	20706	8.838	ug/L		98
86) Isopropylbenzene	11.016	105	232124	9.970	ug/L		94
88) Bromobenzene	11.436	156	49242	9.571	ug/L		100
89) n-Propylbenzene	11.476	91	288277	9.976	ug/L		93
91) 1,1,2,2-Tetrachloroethane	11.555	83	27202	9.653	ug/L		96
92) 4-Ethyltoluene	11.602	105	233350	9.957	ug/L		95
93) 2-Chlorotoluene	11.642	91	164554M6	9.806	ug/L		
94) 1,3,5-Trimethylbenzene	11.698	105	179544	9.364	ug/L		93
95) 1,2,3-Trichloropropane	11.698	75	23933	8.811	ug/L		96
96) trans-1,4-Dichloro-2-b...	11.745	53	10058	9.955	ug/L		86
97) 4-Chlorotoluene	11.824	91	179522	10.064	ug/L		88
98) tert-Butylbenzene	12.035	119	201363	10.243	ug/L	#	86

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A02.D
Acq On : 06 Feb 2023 08:32 am
Operator : VOA122:PID
Sample : WG1741609-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 06 09:03:55 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230206A\V22230206A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
101) 1,2,4-Trimethylbenzene	12.104	105	169508	9.128	ug/L		92
102) sec-Butylbenzene	12.216	105	241704	10.013	ug/L		94
103) p-Isopropyltoluene	12.369	119	197315	9.866	ug/L		91
104) 1,3-Dichlorobenzene	12.438	146	97689	9.855	ug/L		95
105) 1,4-Dichlorobenzene	12.522	146	97852	9.908	ug/L	#	95
106) p-Diethylbenzene	12.731	119	109411	9.453	ug/L		93
107) n-Butylbenzene	12.793	91	170110	9.569	ug/L		96
108) 1,2-Dichlorobenzene	12.947	146	84487	9.696	ug/L		95
109) 1,2,4,5-Tetramethylben...	13.517	119	142638	9.308	ug/L		95
110) 1,2-Dibromo-3-chloropr...	13.712	155	5442	10.522	ug/L		98
112) Hexachlorobutadiene	14.311	225	30847	9.865	ug/L		99
113) 1,2,4-Trichlorobenzene	14.339	180	56669	9.820	ug/L		99
114) Naphthalene	14.631	128	104459	9.656	ug/L		100
115) 1,2,3-Trichlorobenzene	14.798	180	48941	9.835	ug/L		99

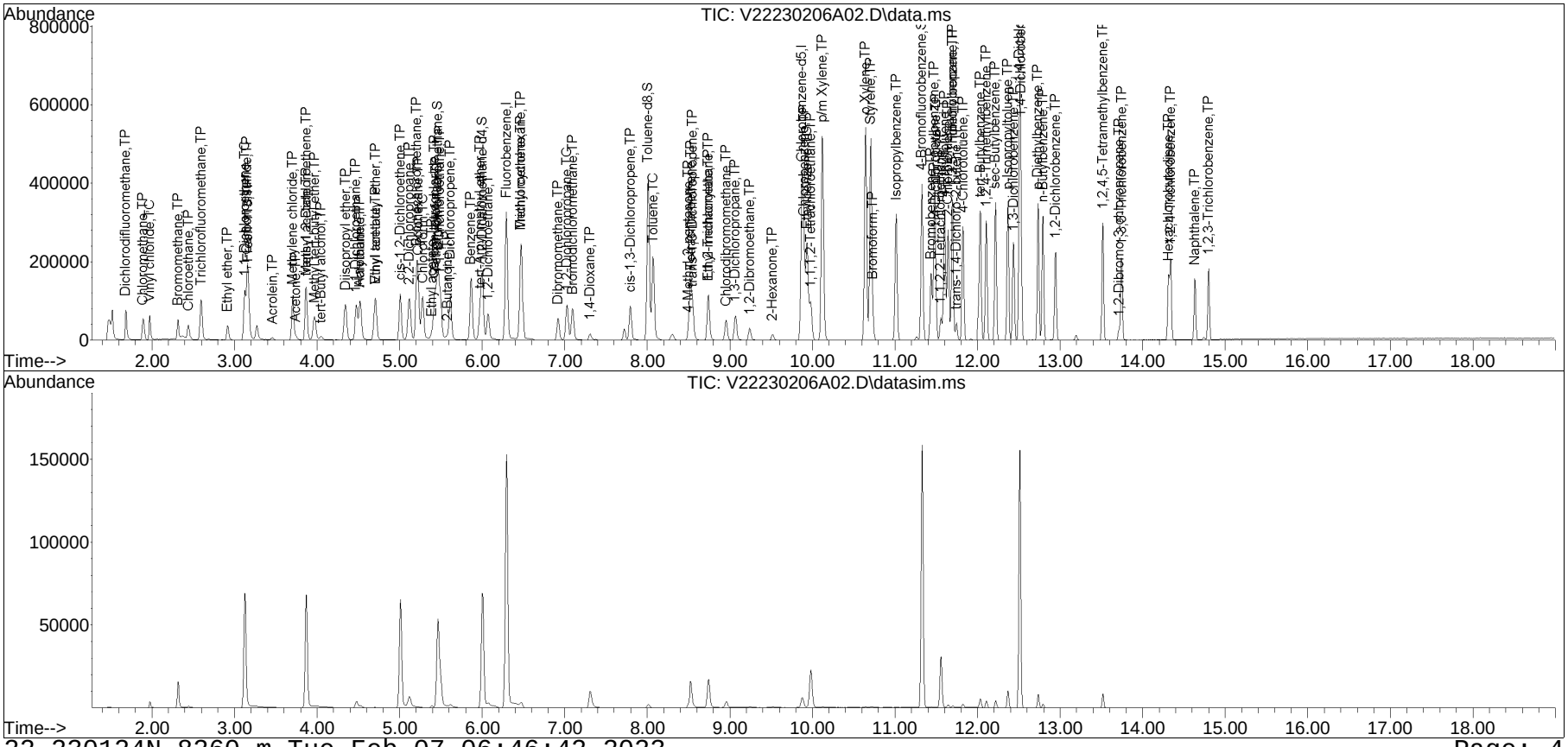
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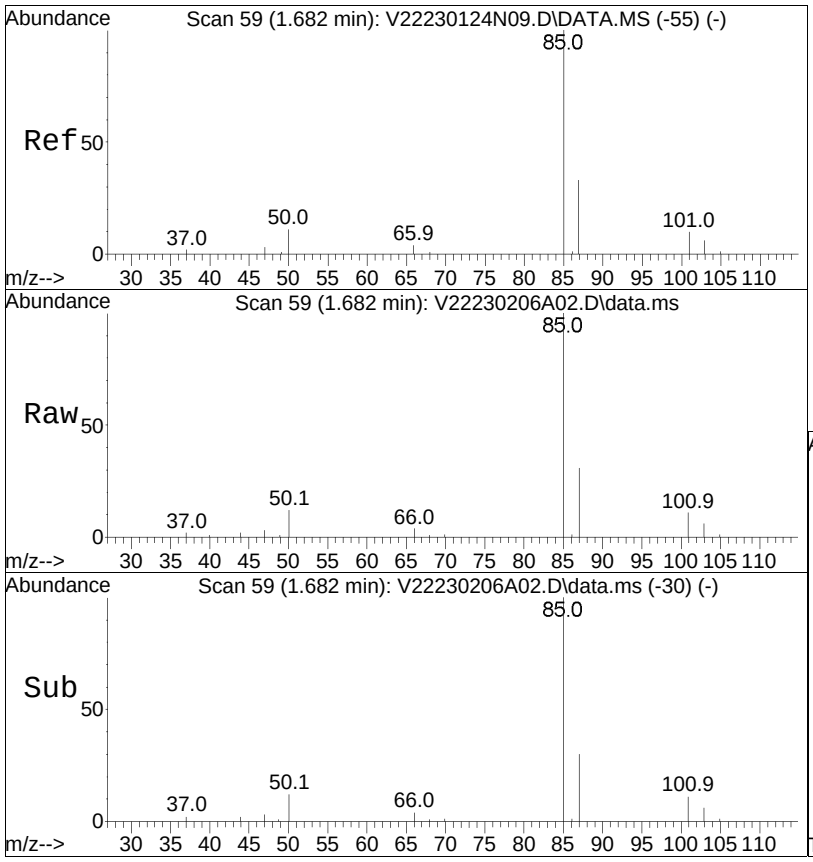
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230206A\
Data File : V22230206A02.D
Acq On : 06 Feb 2023 08:32 am
Operator : VOA122:PID
Sample : WG1741609-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1741609,ICAL19682 (Sig #1); WG,ICAL19682 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 06 09:03:55 2023
Quant Method : I:\VOLATILES\VOA122\2023\230206A\V122_230124N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Jan 25 08:44:34 2023
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

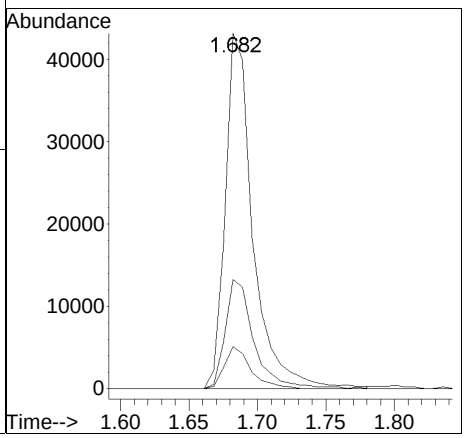


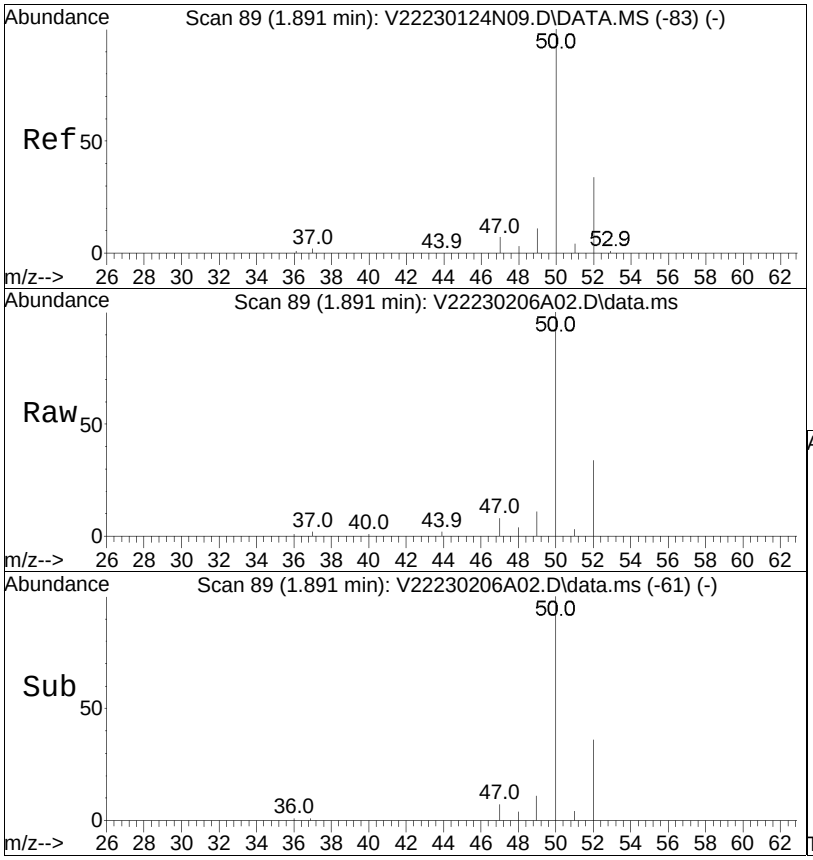


#2
Dichlorodifluoromethane
Concen: 8.75 ug/L
RT: 1.682 min Scan# 59
Delta R.T. 0.000 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 85 Resp: 60453

Ion	Ratio	Lower	Upper
85	100		
87	31.6	20.7	42.9
50	11.1	6.8	14.2

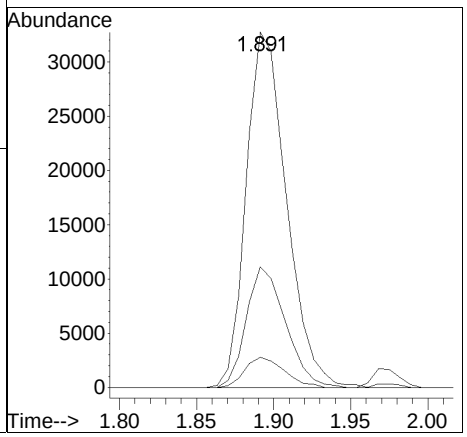


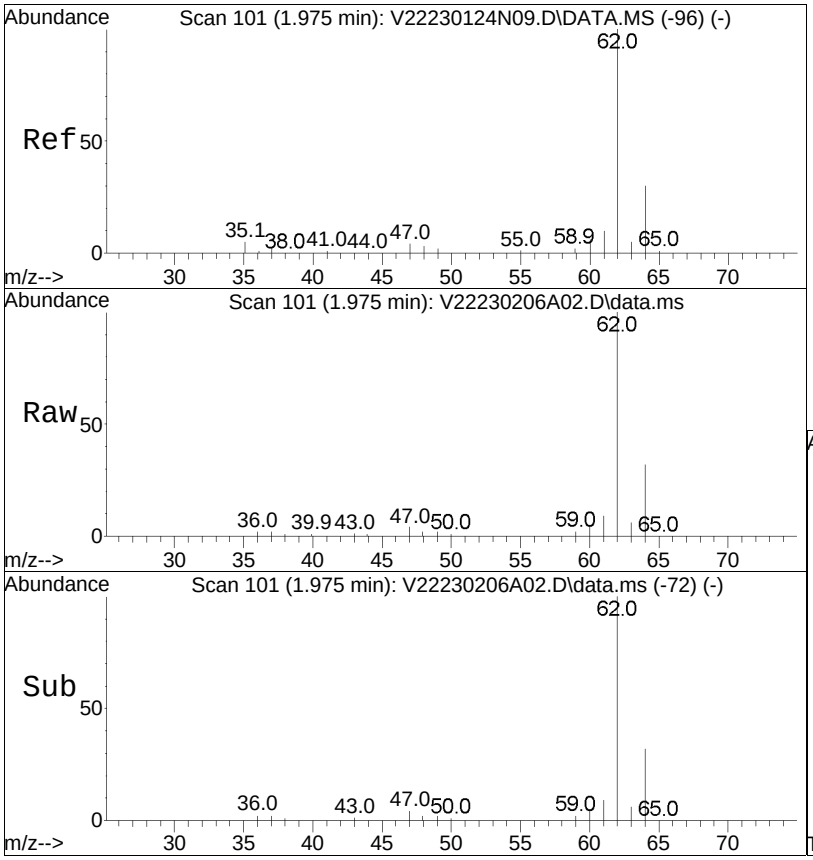


#3
Chloromethane
Concen: 9.65 ug/L
RT: 1.891 min Scan# 89
Delta R.T. -0.007 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 50 Resp: 59535

Ion	Ratio	Lower	Upper
50	100		
52	32.9	12.8	52.8
47	8.3	0.0	30.0

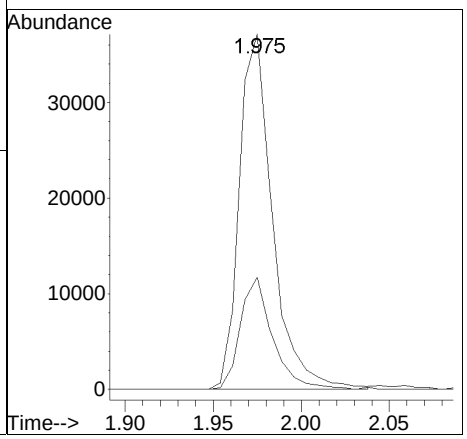


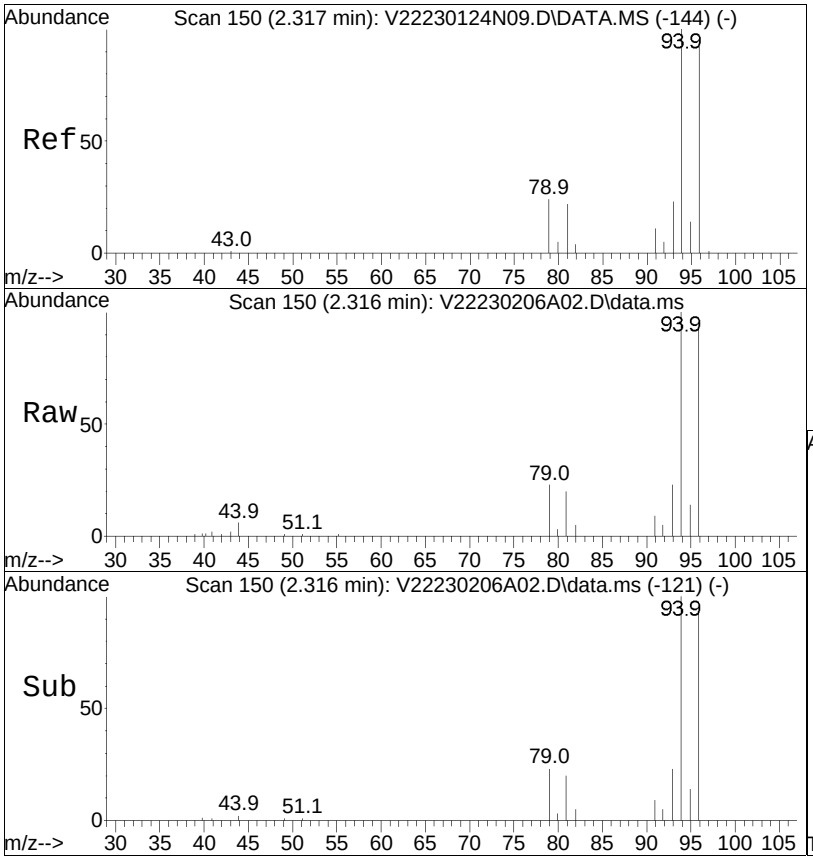


#4
Vinyl chloride
Concen: 10.60 ug/L
RT: 1.975 min Scan# 101
Delta R.T. -0.000 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 62 Resp: 48856

Ion	Ratio	Lower	Upper
62	100		
64	30.6	12.0	52.0

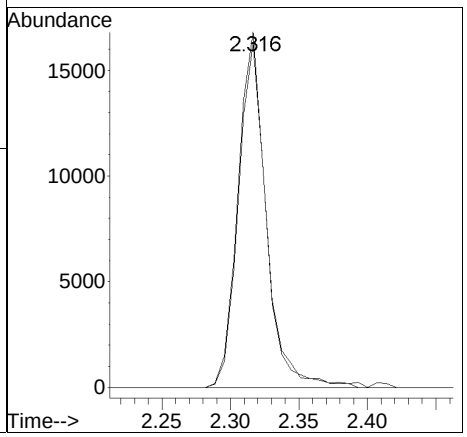


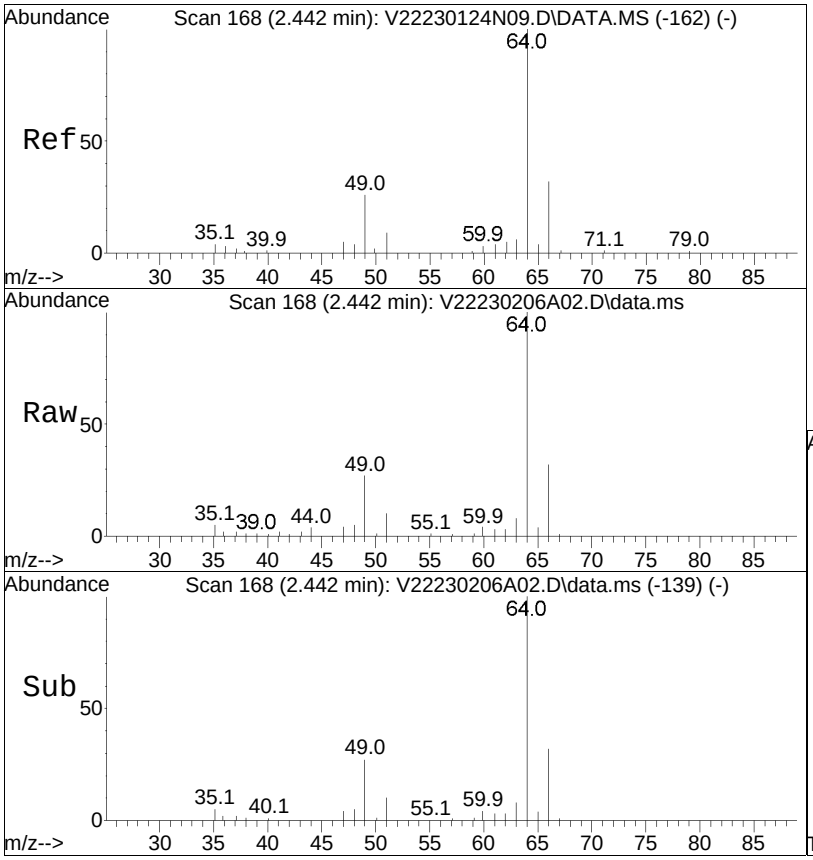


#5
Bromomethane
Concen: 11.12 ug/L
RT: 2.316 min Scan# 150
Delta R.T. -0.001 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 94 Resp: 24078

Ion	Ratio	Lower	Upper
94	100		
96	96.2	72.8	112.8

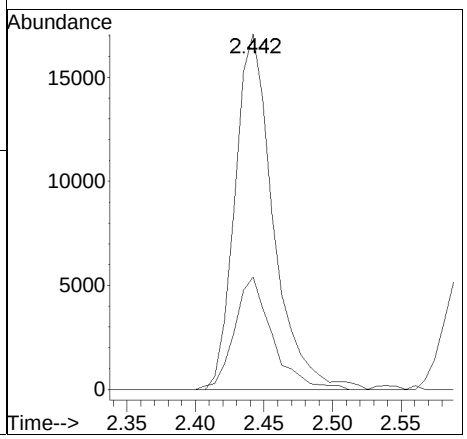


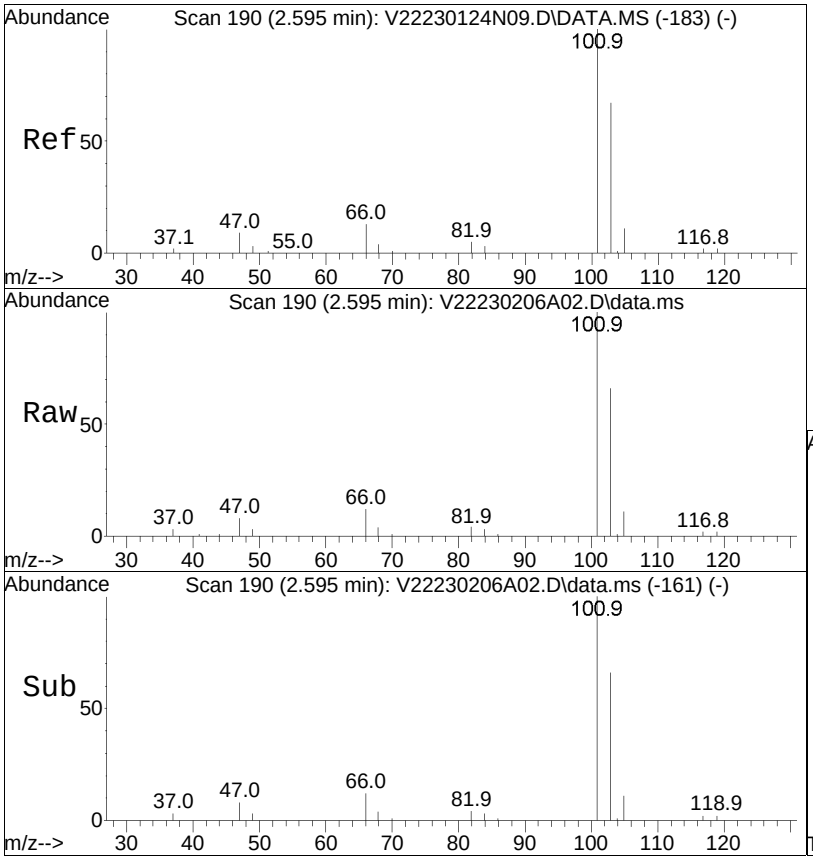


#6
Chloroethane
Concen: 10.11 ug/L
RT: 2.442 min Scan# 168
Delta R.T. -0.000 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 64 Resp: 33190

Ion	Ratio	Lower	Upper
64	100		
66	31.3	12.2	52.2

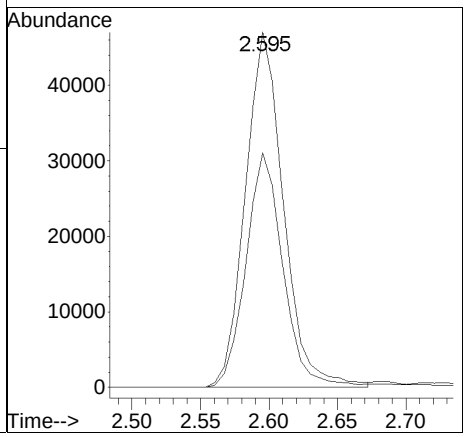


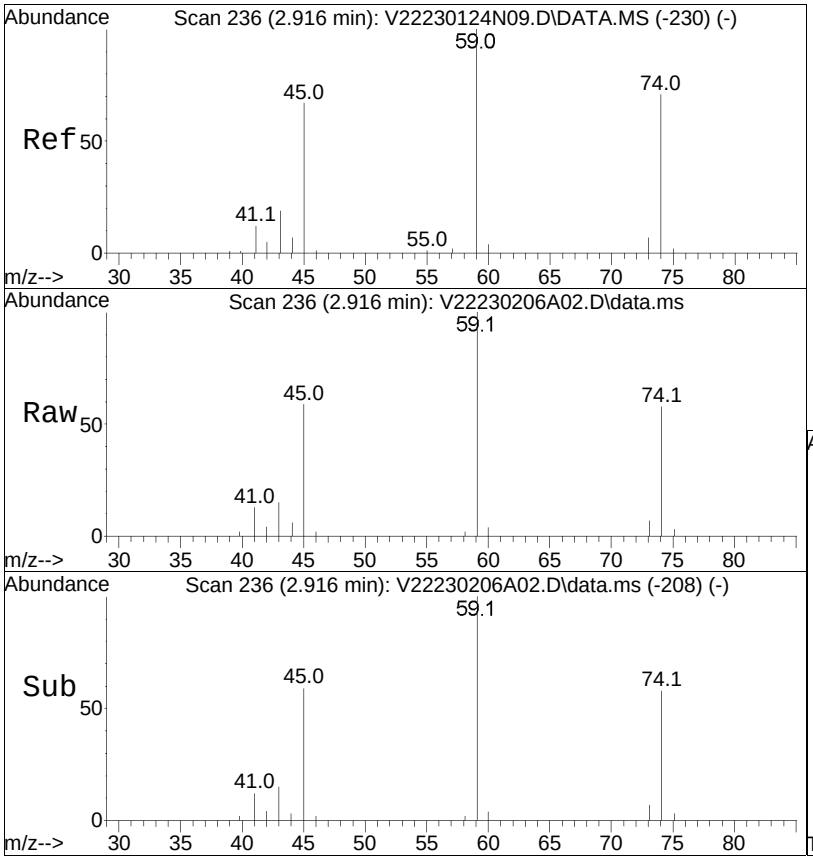


#7
Trichlorofluoromethane
Concen: 10.43 ug/L
RT: 2.595 min Scan# 190
Delta R.T. 0.000 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:101 Resp: 91340

Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.6	77.4

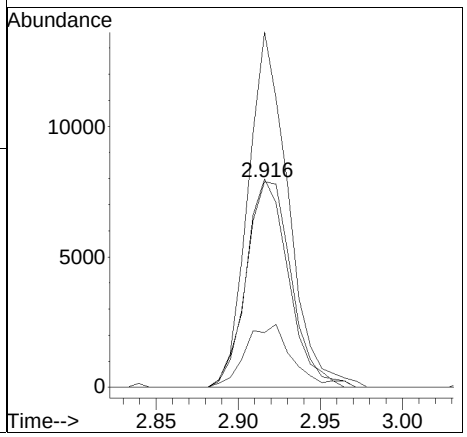


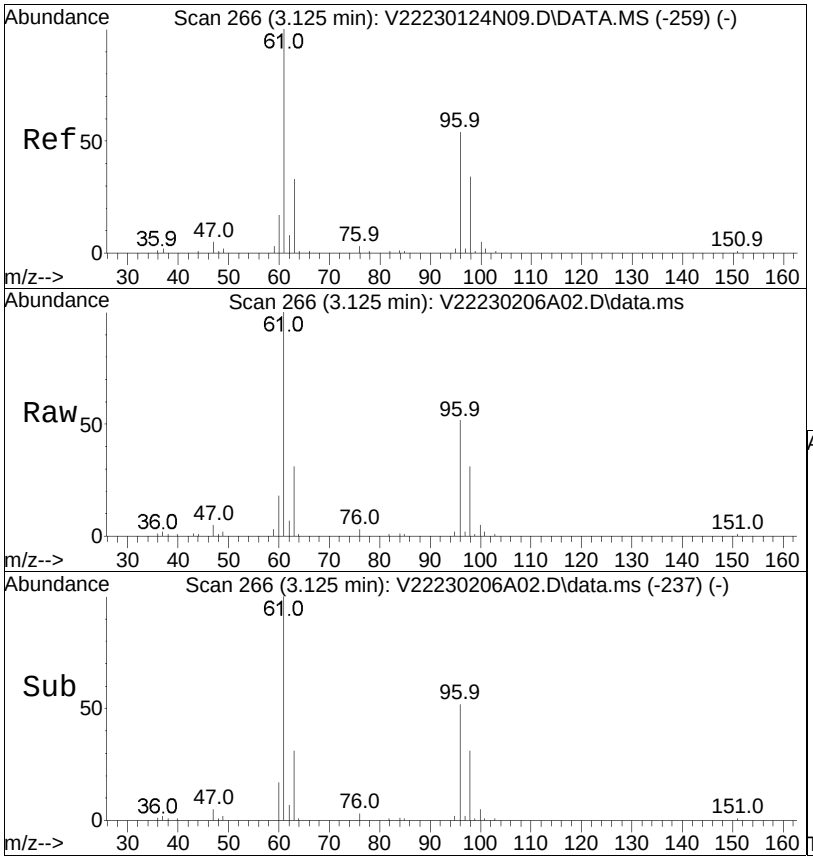


#8
Ethyl ether
Concen: 9.87 ug/L
RT: 2.916 min Scan# 236
Delta R.T. -0.007 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 74 Resp: 15044

Ion	Ratio	Lower	Upper
74	100		
59	154.3	2122.4	4408.0#
45	95.9	1435.1	2980.5#
43	31.4	407.9	847.3#

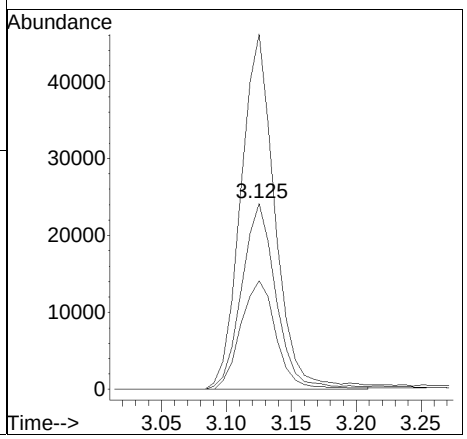


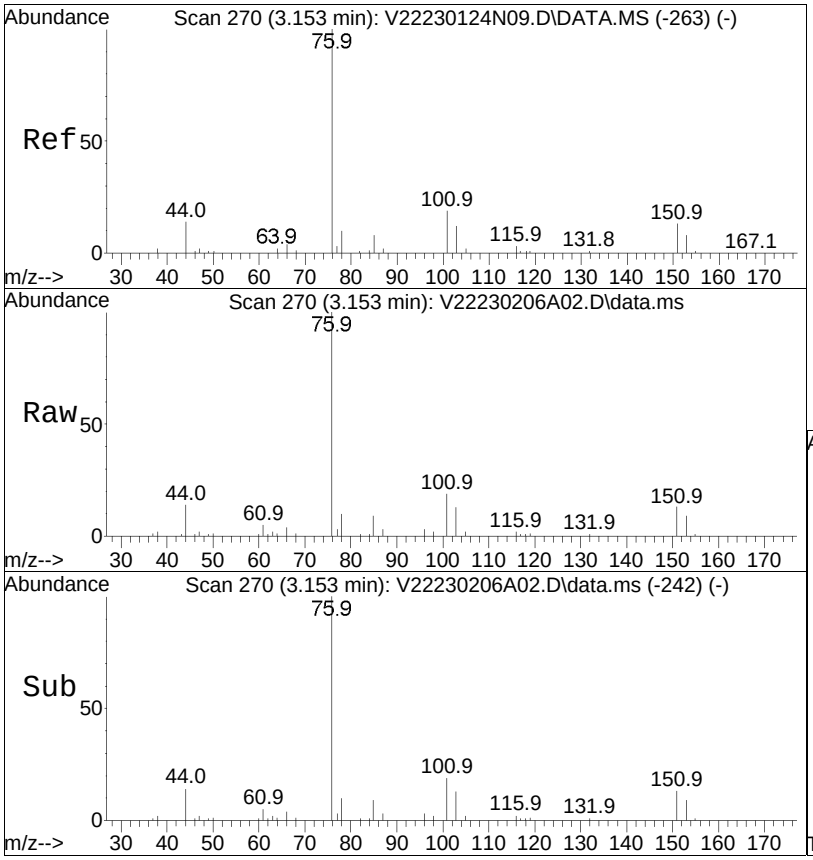


#10
1,1-Dichloroethene
Concen: 10.48 ug/L
RT: 3.125 min Scan# 266
Delta R.T. 0.000 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 96 Resp: 44742

Ion	Ratio	Lower	Upper
96	100		
61	190.1	117.0	175.4#
63	60.1	37.8	56.6#

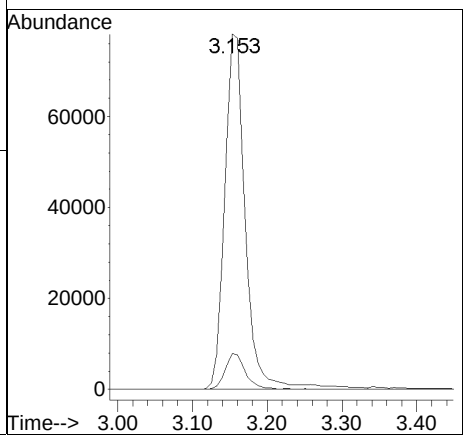


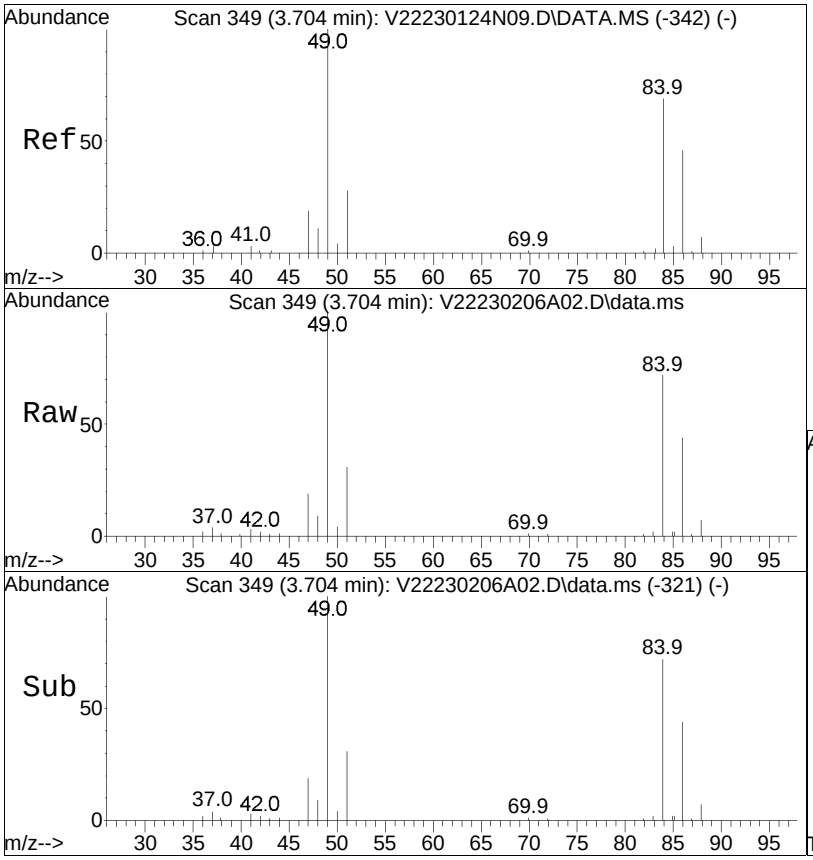


#11
Carbon disulfide
Concen: 10.42 ug/L
RT: 3.153 min Scan# 270
Delta R.T. -0.007 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 76 Resp: 150994

Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.4	13.4

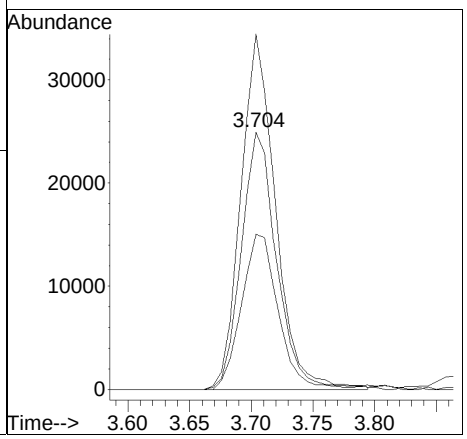


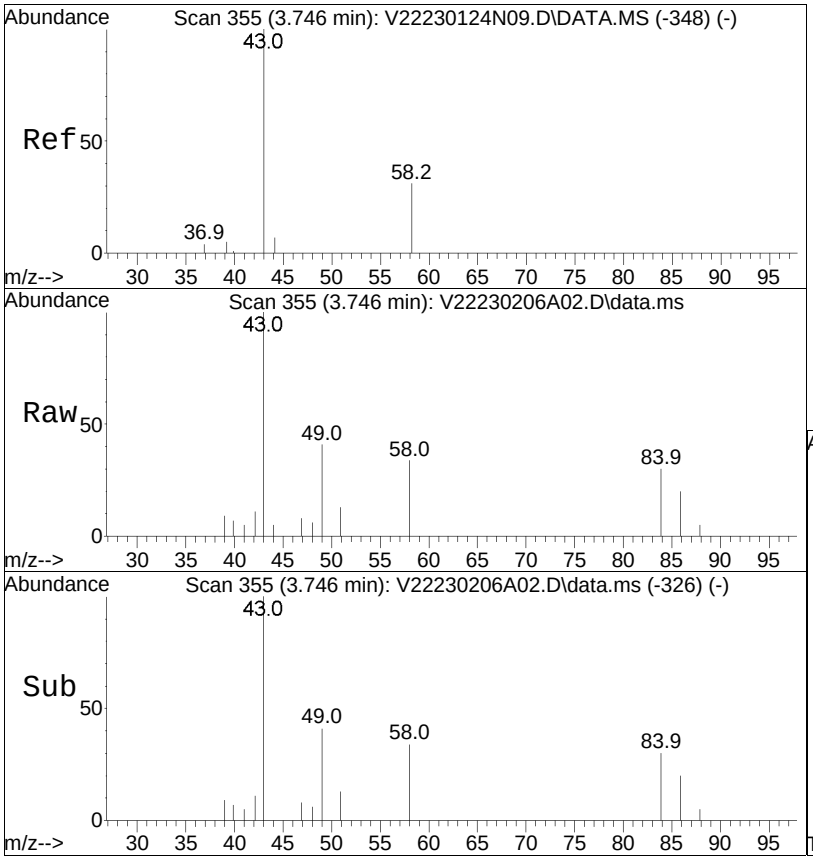


#15
Methylene chloride
Concen: 10.48 ug/L
RT: 3.704 min Scan# 349
Delta R.T. -0.007 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 84 Resp: 49632

Ion	Ratio	Lower	Upper
84	100		
86	62.7	41.5	86.3
49	135.3	68.8	143.0

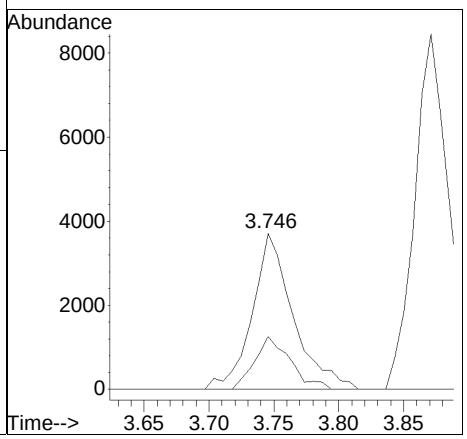


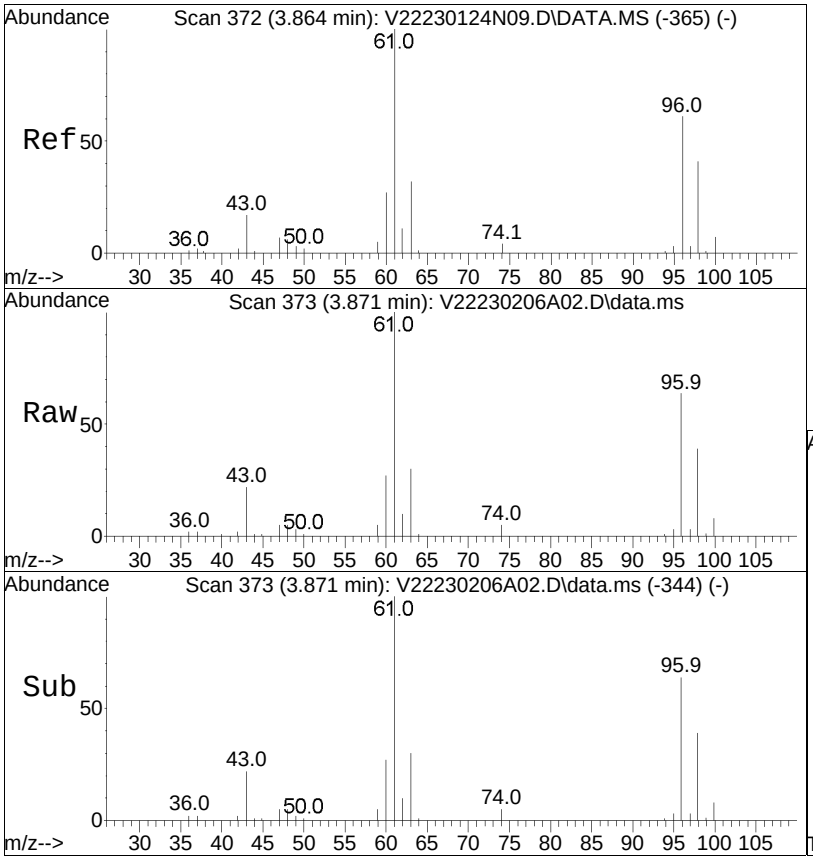


#17
Acetone
Concen: 12.09 ug/L
RT: 3.746 min Scan# 355
Delta R.T. -0.000 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 43 Resp: 8162

Ion	Ratio	Lower	Upper
43	100		
58	29.6	23.1	34.7

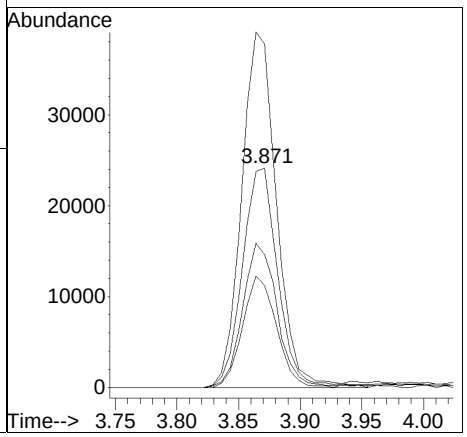


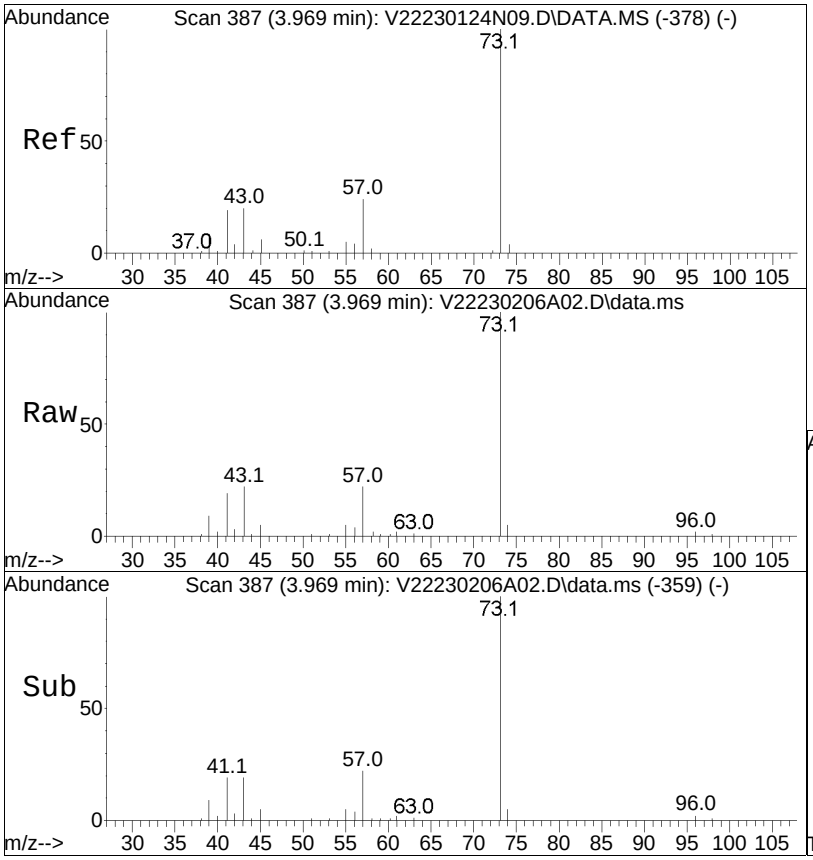


#18
trans-1,2-Dichloroethene
Concen: 10.40 ug/L
RT: 3.871 min Scan# 373
Delta R.T. -0.000 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 96 Resp: 48328

Ion	Ratio	Lower	Upper
96	100		
61	158.2	81.6	169.6
98	63.7	41.8	86.8
63	48.3	26.3	54.7

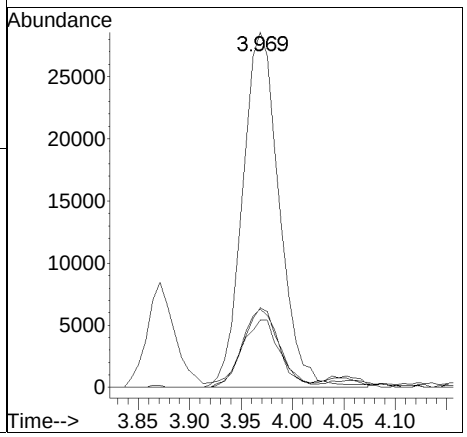


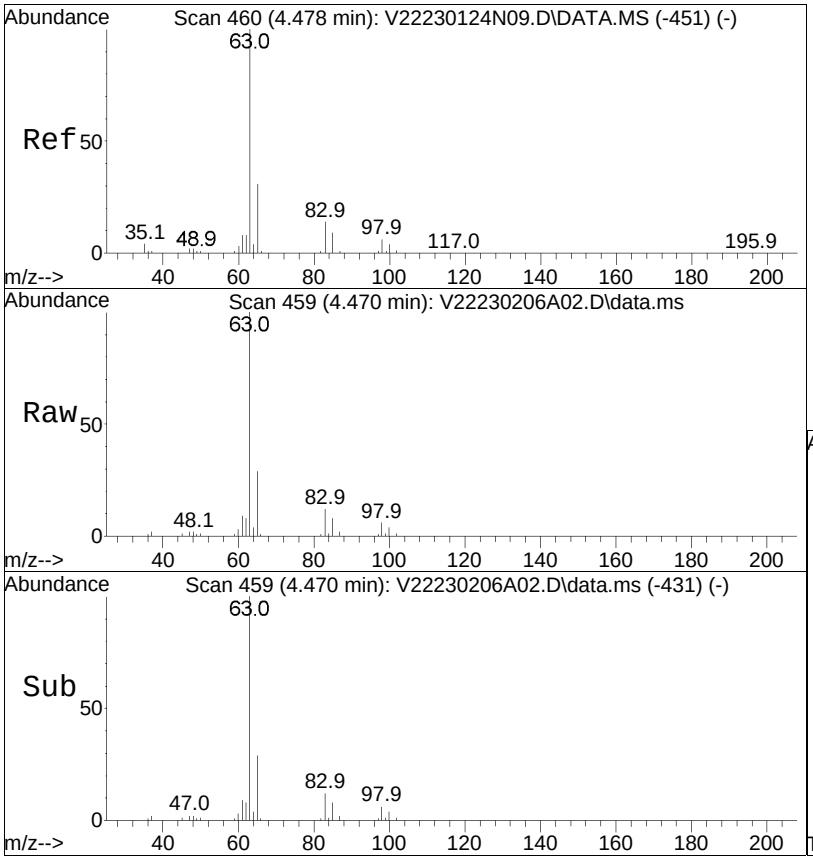


#21
Methyl tert-butyl ether
Concen: 10.00 ug/L
RT: 3.969 min Scan# 387
Delta R.T. -0.007 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 73 Resp: 71145

Ion	Ratio	Lower	Upper
73	100		
57	22.1	13.6	28.2
43	21.9	12.7	26.5
41	19.6	11.4	23.8

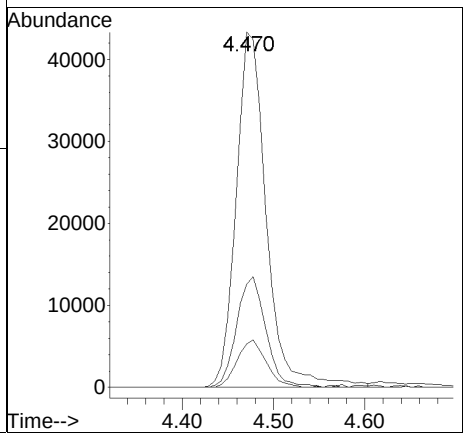


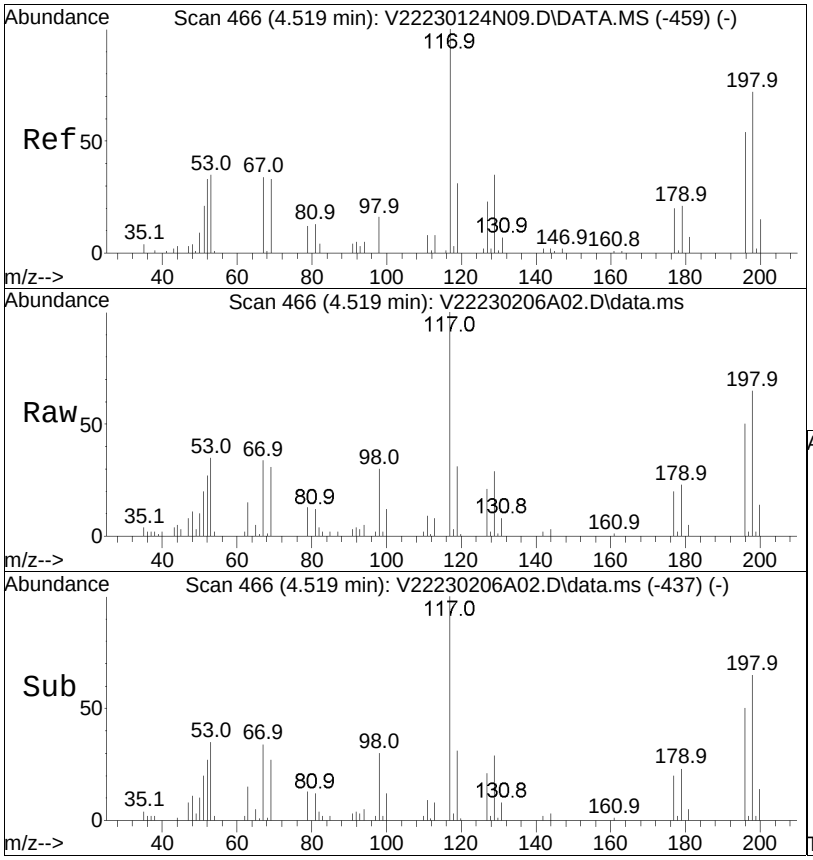


#25
1,1-Dichloroethane
Concen: 10.19 ug/L
RT: 4.470 min Scan# 459
Delta R.T. -0.008 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 63 Resp: 100077

Ion	Ratio	Lower	Upper
63	100		
65	30.0	11.9	51.9
83	12.8	0.0	34.2

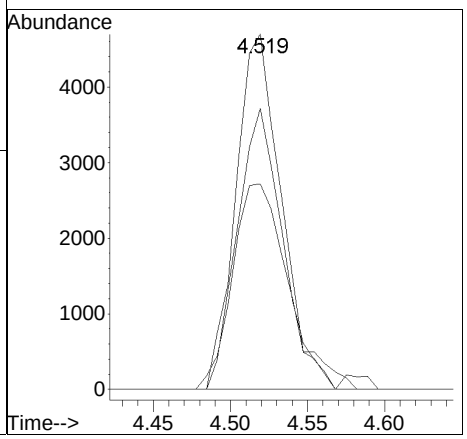


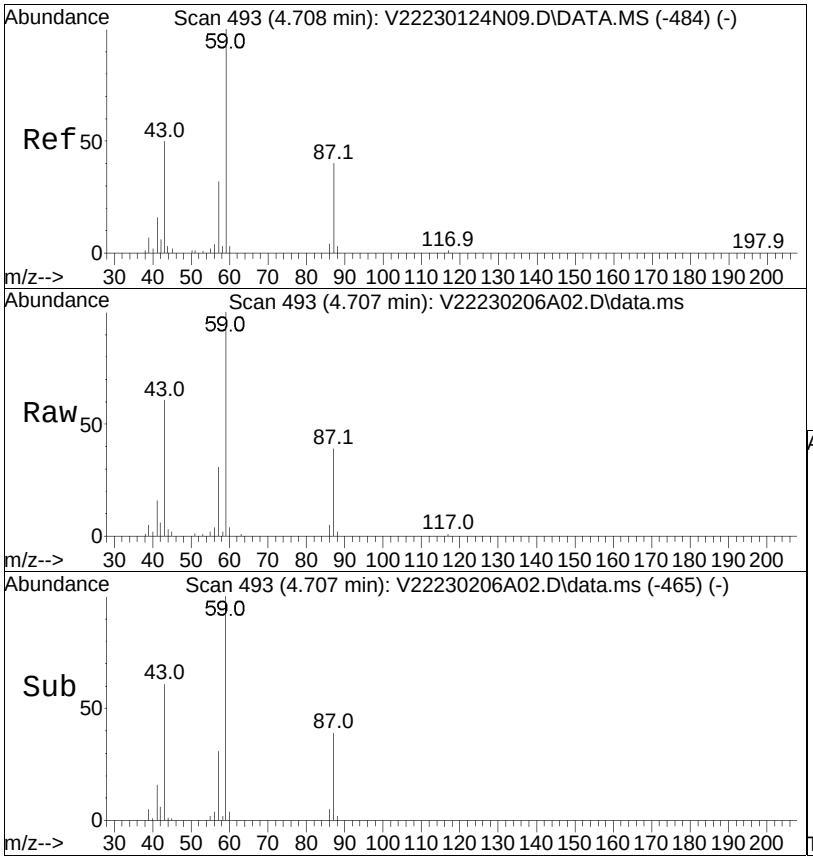


#27
Acrylonitrile
Concen: 10.83 ug/L
RT: 4.519 min Scan# 466
Delta R.T. 0.000 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 53 Resp: 9888

Ion	Ratio	Lower	Upper
53	100		
52	77.8	63.8	95.8
51	66.7	50.2	75.4

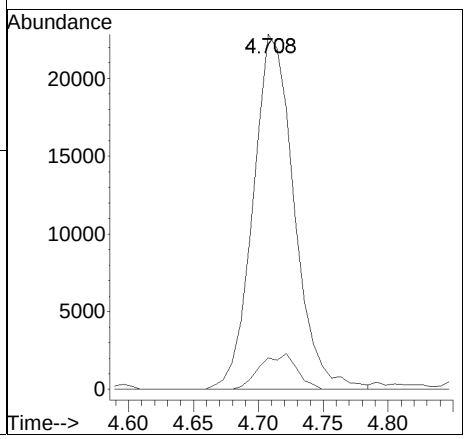


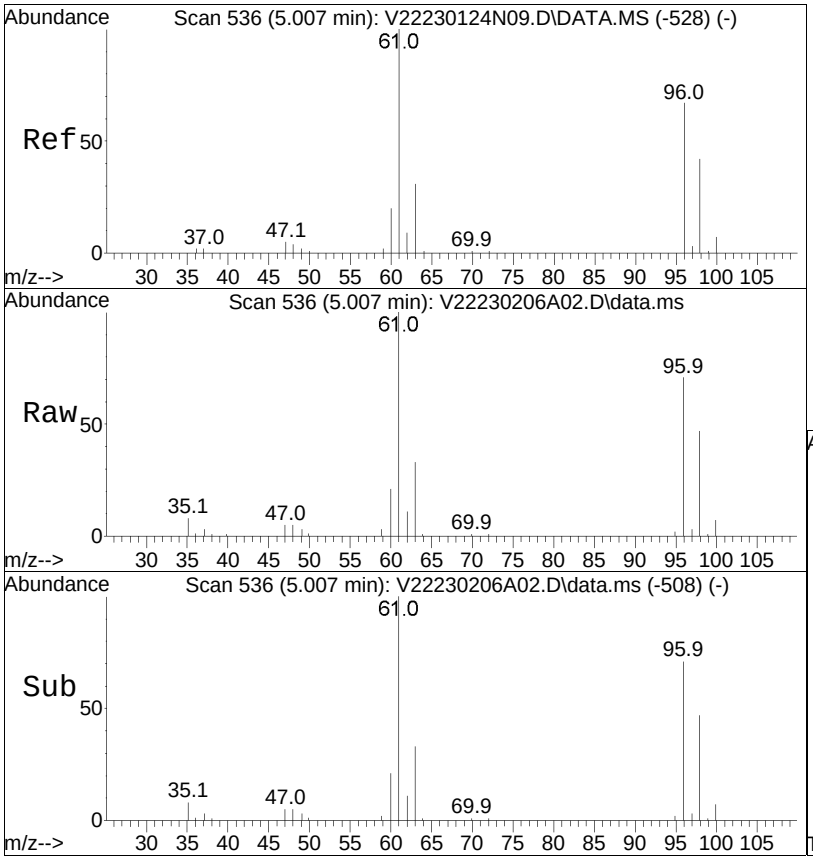


#29
Vinyl acetate
Concen: 11.56 ug/L
RT: 4.707 min Scan# 493
Delta R.T. -0.008 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 43 Resp: 50251

Ion	Ratio	Lower	Upper
43	100		
86	9.0	8.9	13.3

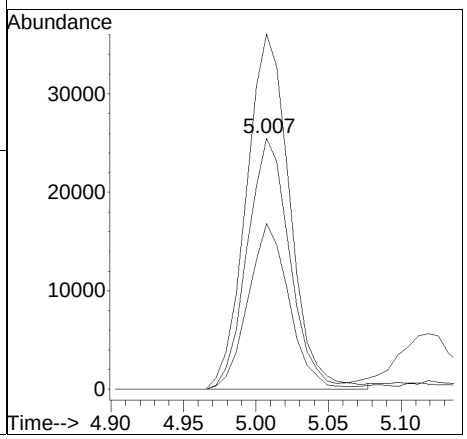


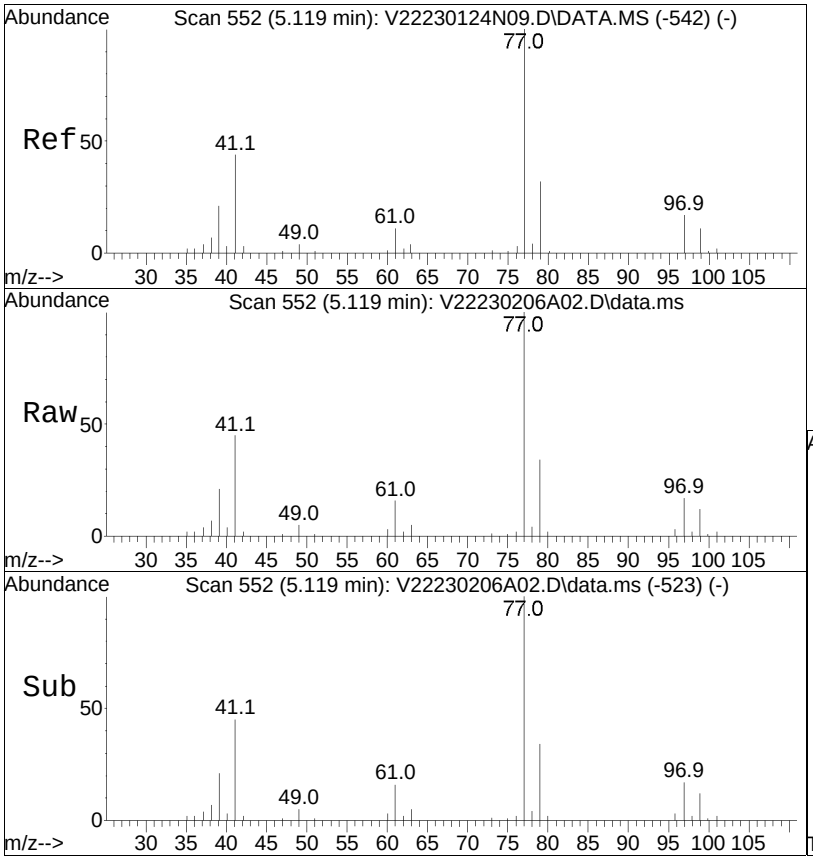


#30
cis-1,2-Dichloroethene
Concen: 10.38 ug/L
RT: 5.007 min Scan# 536
Delta R.T. -0.008 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 96 Resp: 52361

Ion	Ratio	Lower	Upper
96	100		
61	142.8	90.3	135.5#
98	63.3	50.8	76.2

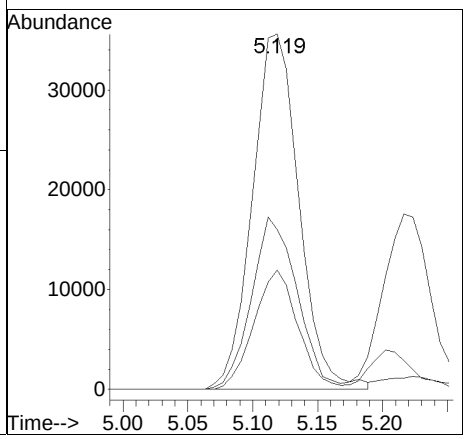


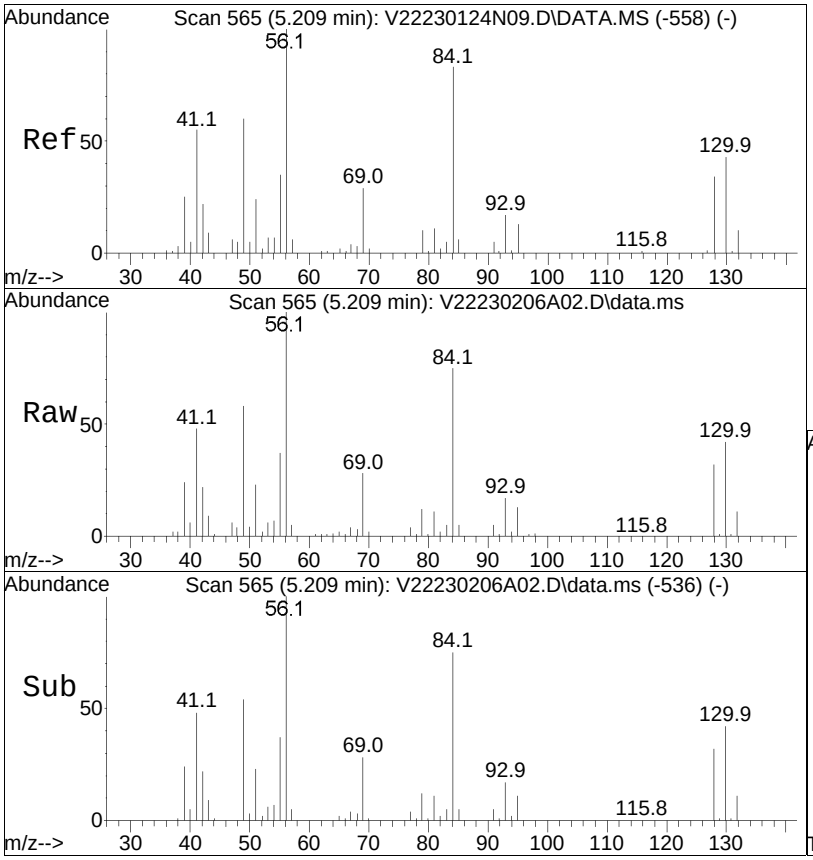


#31
2,2-Dichloropropane
Concen: 10.75 ug/L
RT: 5.119 min Scan# 552
Delta R.T. 0.001 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 77 Resp: 88997

Ion	Ratio	Lower	Upper
77	100		
41	47.5	32.3	67.1
79	31.7	21.1	43.7

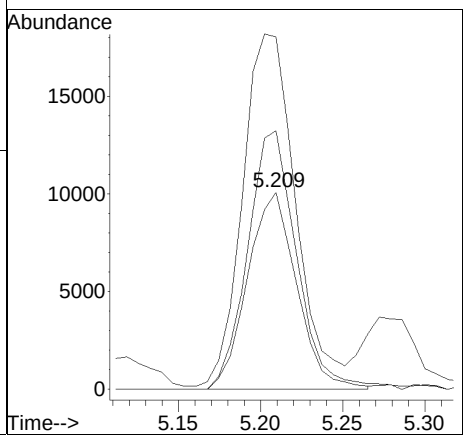


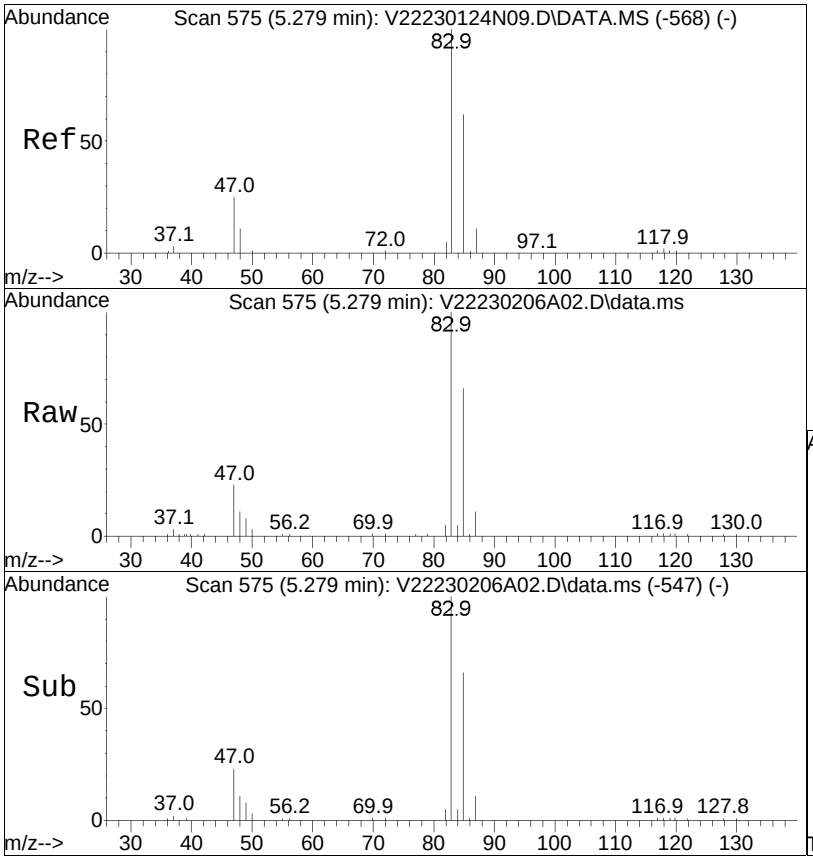


#32
Bromochloromethane
Concen: 10.00 ug/L
RT: 5.209 min Scan# 565
Delta R.T. 0.002 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:128 Resp: 20955

Ion	Ratio	Lower	Upper
128	100		
49	193.6	104.4	156.6#
130	131.3	103.9	155.9

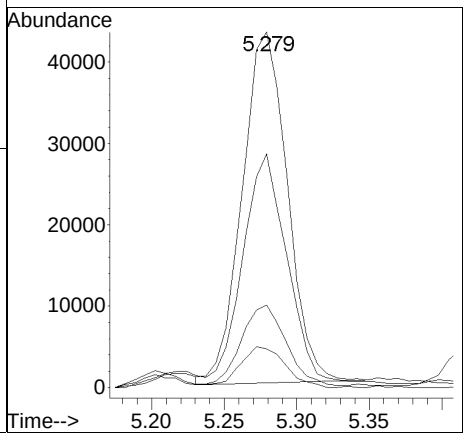


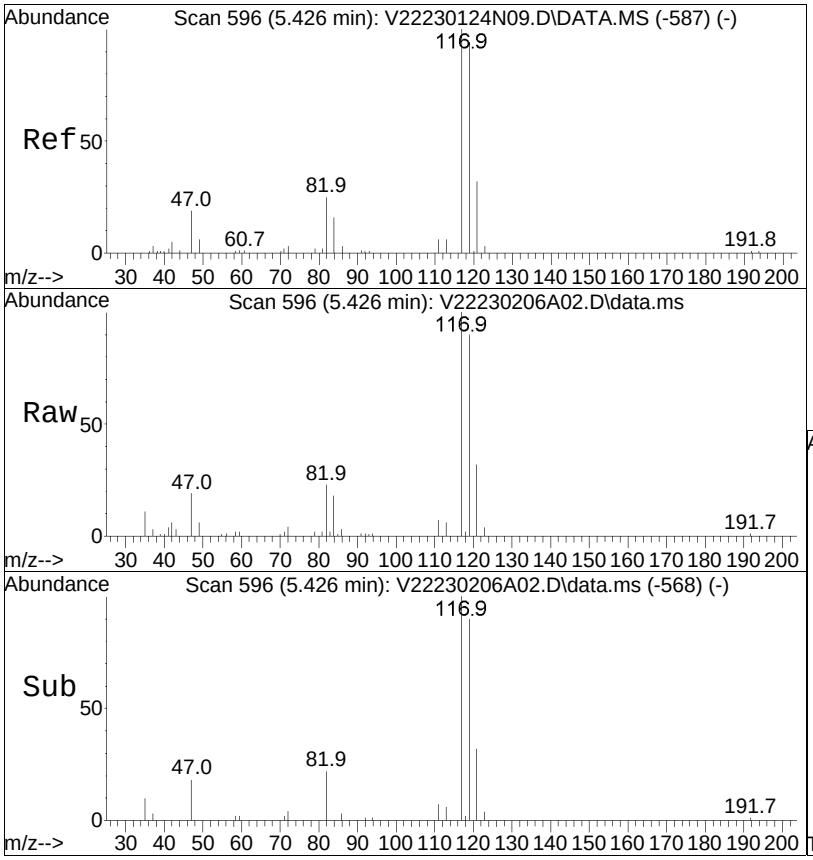


#34
Chloroform
Concen: 9.87 ug/L
RT: 5.279 min Scan# 575
Delta R.T. -0.002 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 83 Resp: 93759

Ion	Ratio	Lower	Upper
83	100		
85	65.1	42.4	88.2
47	22.8	14.0	29.0
48	11.7	6.9	14.3

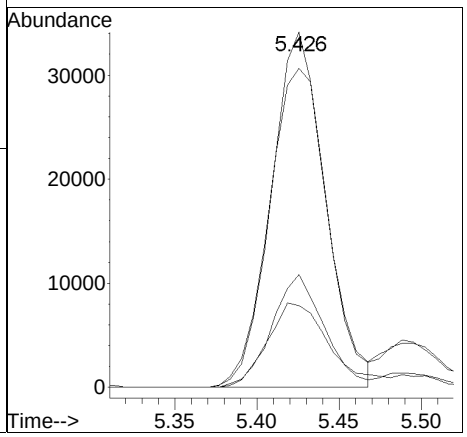


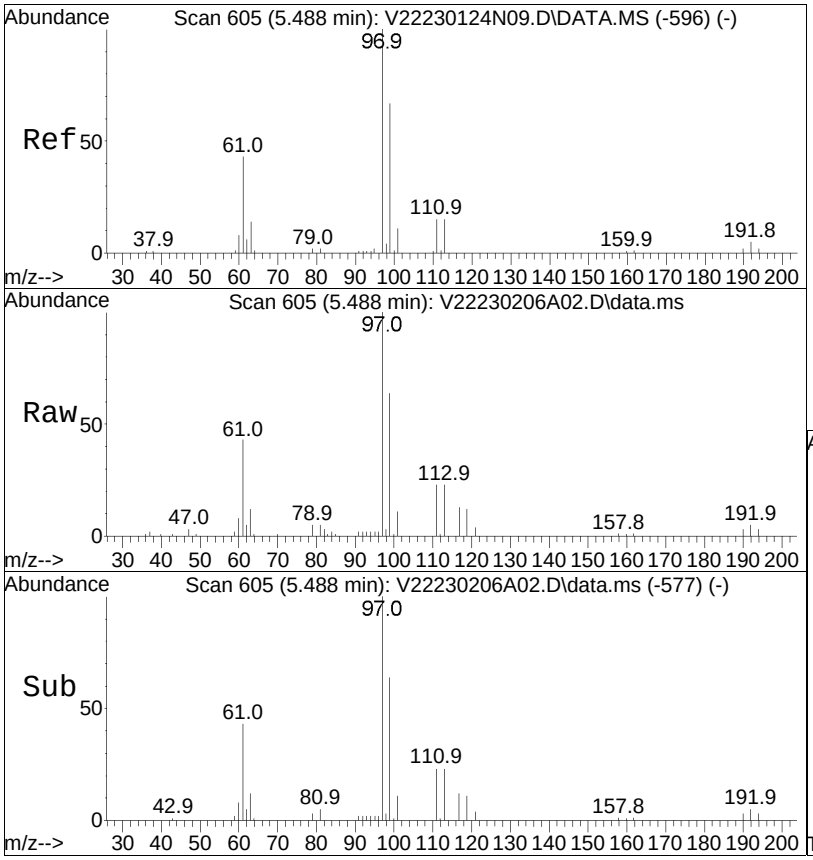


#36
Carbon tetrachloride
Concen: 10.75 ug/L
RT: 5.426 min Scan# 596
Delta R.T. -0.002 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:117 Resp: 78970

Ion	Ratio	Lower	Upper
117	100		
119	95.3	62.1	129.1
121	30.4	20.3	42.3
82	27.5	15.4	32.0

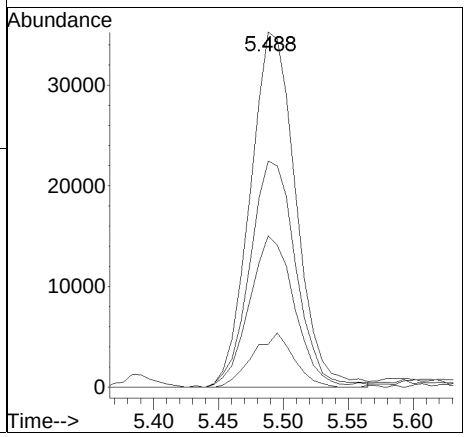


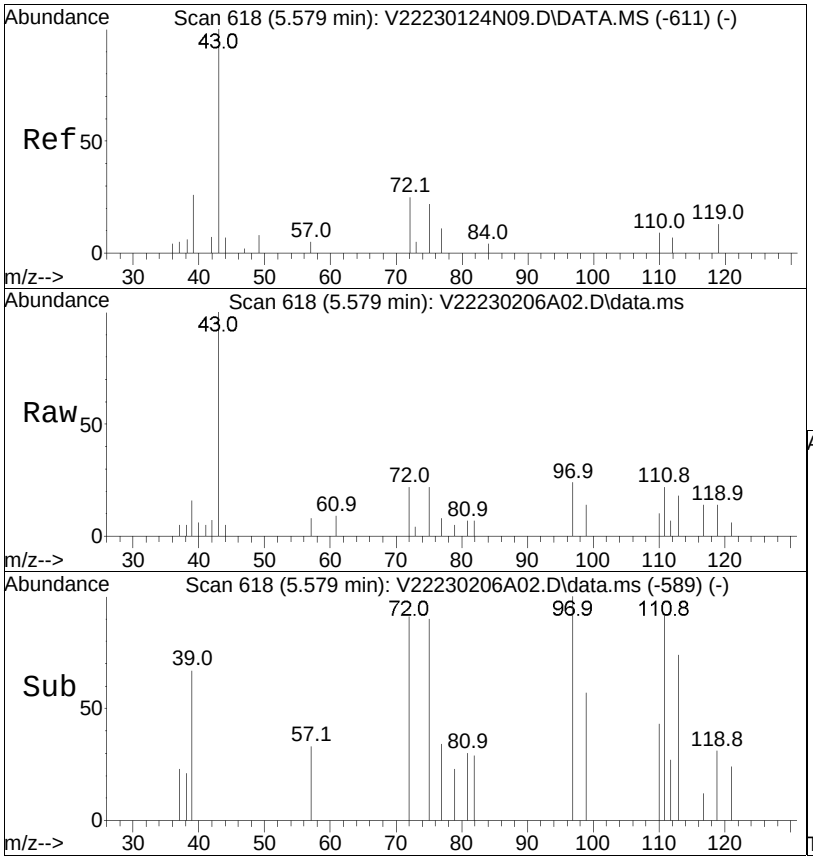


#39
1,1,1-Trichloroethane
Concen: 10.49 ug/L
RT: 5.488 min Scan# 605
Delta R.T. -0.007 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 97 Resp: 86857

Ion	Ratio	Lower	Upper
97	100		
99	64.4	42.4	88.0
61	42.3	26.0	54.0
63	14.0	8.3	17.3

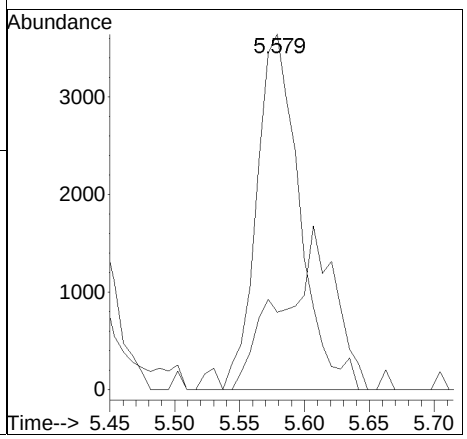


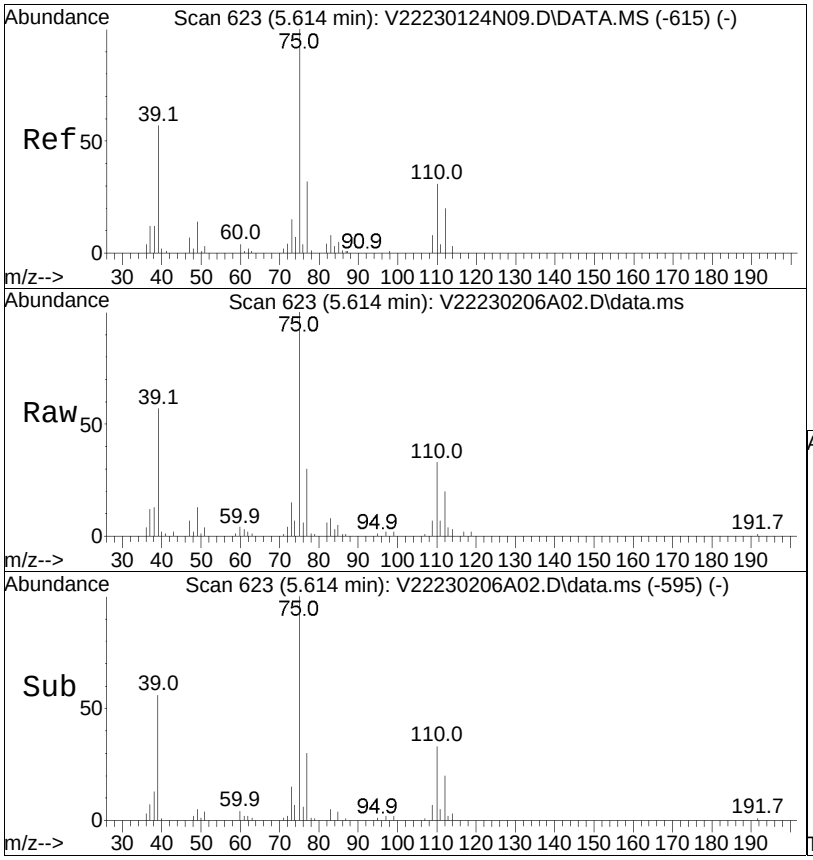


#41
2-Butanone
Concen: 10.40 ug/L
RT: 5.579 min Scan# 618
Delta R.T. 0.003 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 43 Resp: 8543

Ion	Ratio	Lower	Upper
43	100		
72	14.7	45.8	68.8#

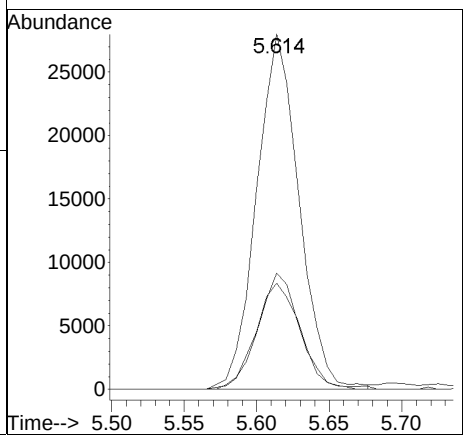


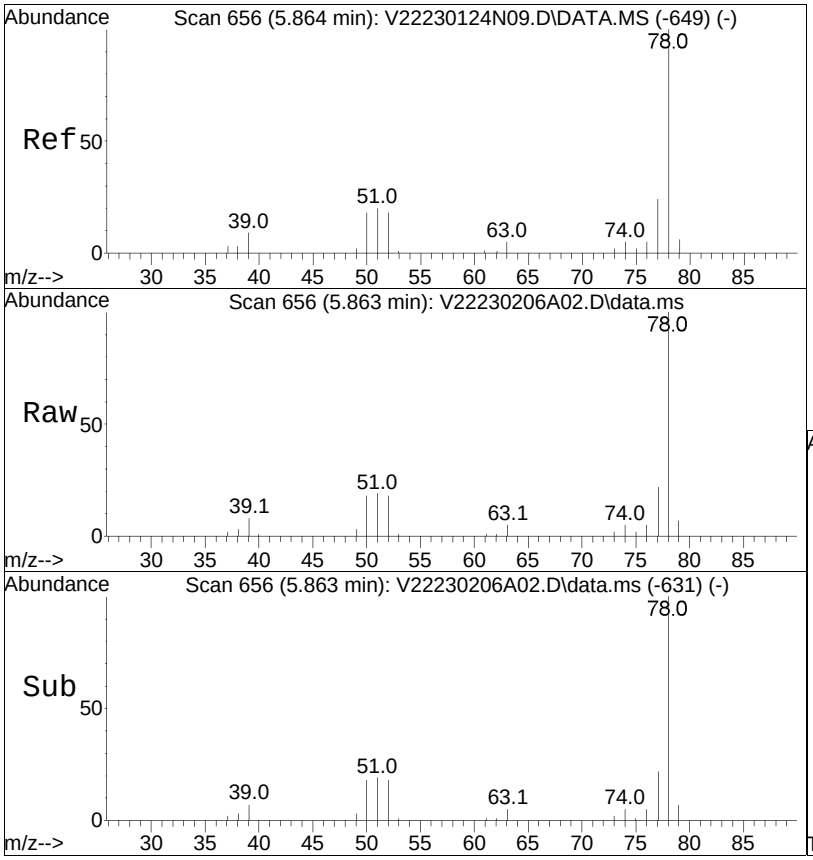


#42
1,1-Dichloropropene
Concen: 9.23 ug/L
RT: 5.614 min Scan# 623
Delta R.T. -0.006 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 75 Resp: 56971

Ion	Ratio	Lower	Upper
75	100		
110	32.5	25.4	52.8
77	31.3	20.3	42.1

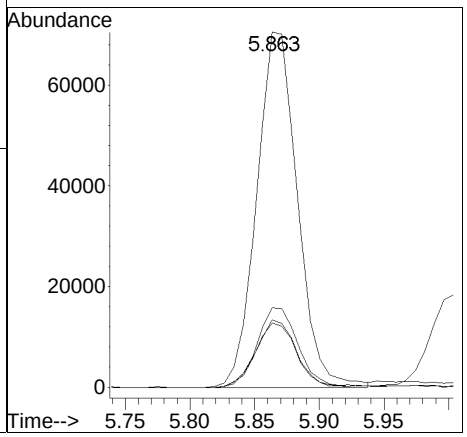


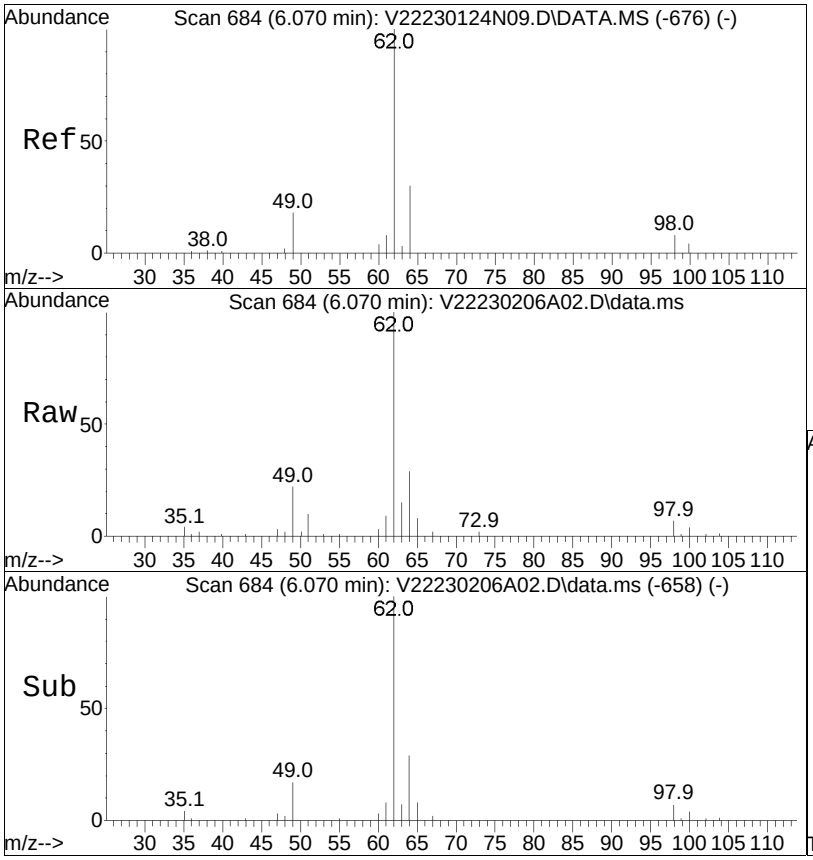


#44
Benzene
Concen: 9.71 ug/L
RT: 5.863 min Scan# 656
Delta R.T. -0.008 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 78 Resp: 154879

Ion	Ratio	Lower	Upper
78	100		
77	23.2	15.4	32.0
51	18.7	9.8	20.4
52	18.1	9.2	19.2

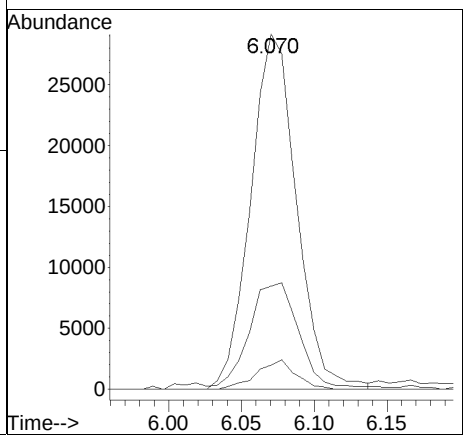


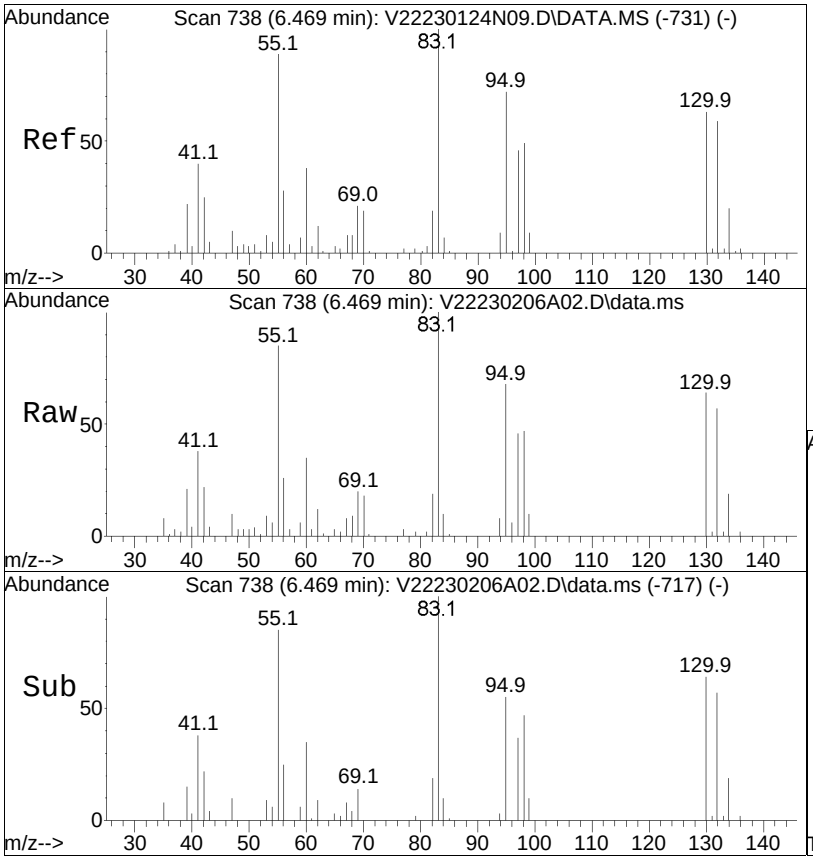


#47
1,2-Dichloroethane
Concen: 9.97 ug/L
RT: 6.070 min Scan# 684
Delta R.T. -0.008 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 62 Resp: 64002

Ion	Ratio	Lower	Upper
62	100		
64	32.7	12.3	52.3
98	7.1	0.0	30.3

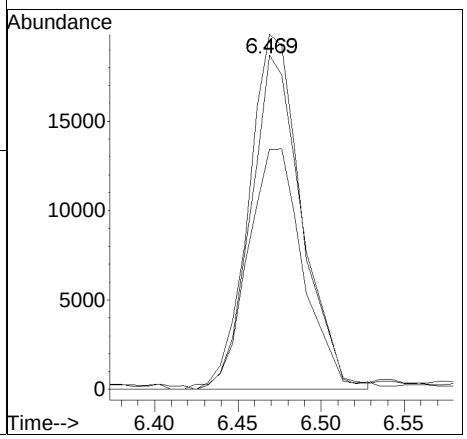


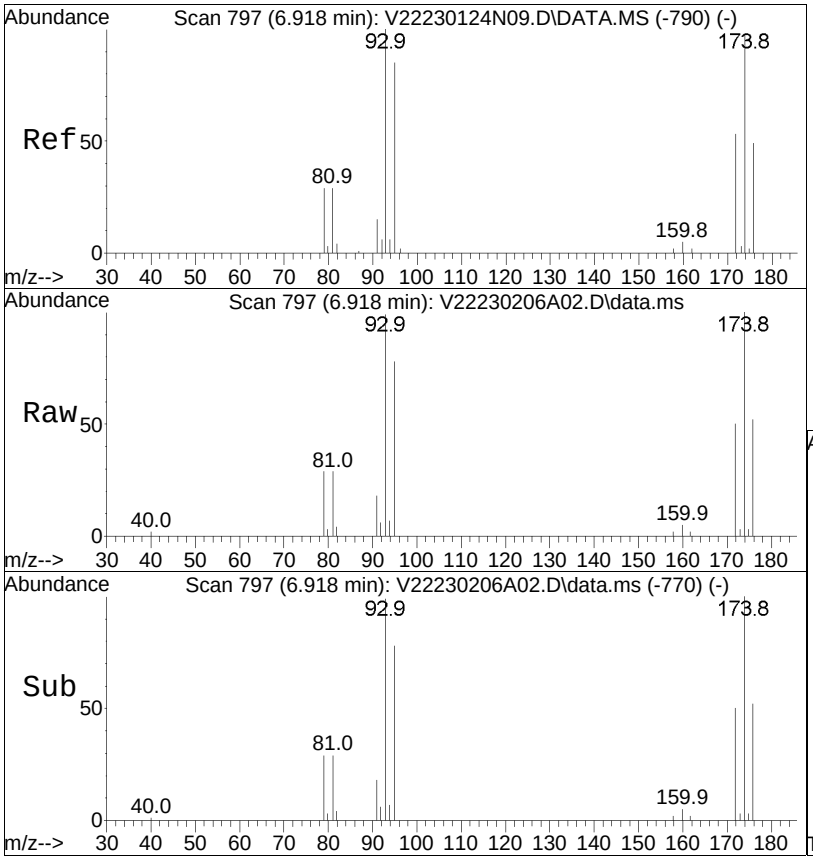


#51
Trichloroethene
Concen: 9.49 ug/L
RT: 6.469 min Scan# 738
Delta R.T. -0.007 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 95 Resp: 47017

Ion	Ratio	Lower	Upper
95	100		
97	69.6	55.0	82.4
130	90.4	89.2	133.8

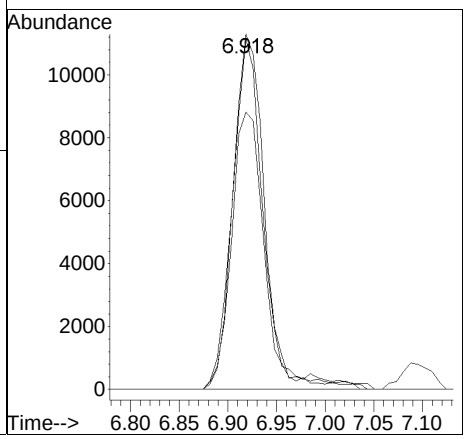


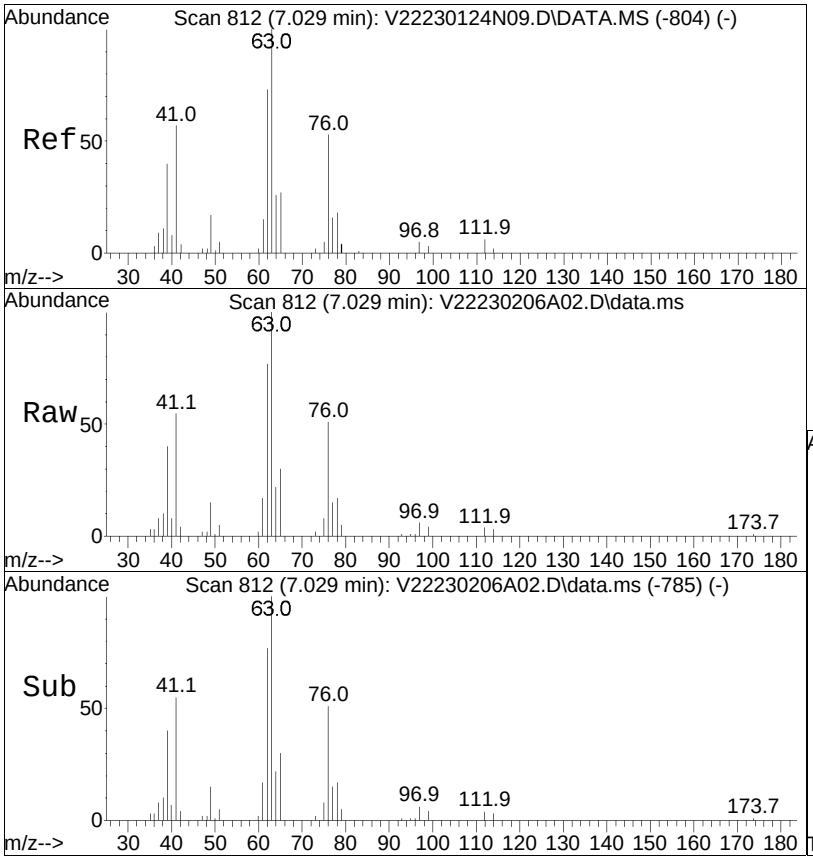


#53
Dibromomethane
Concen: 10.29 ug/L
RT: 6.918 min Scan# 797
Delta R.T. 0.000 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 93 Resp: 24769

Ion	Ratio	Lower	Upper
93	100		
95	82.9	68.0	102.0
174	100.9	106.1	159.1#

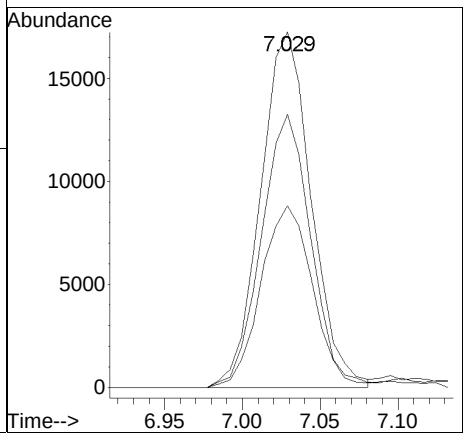


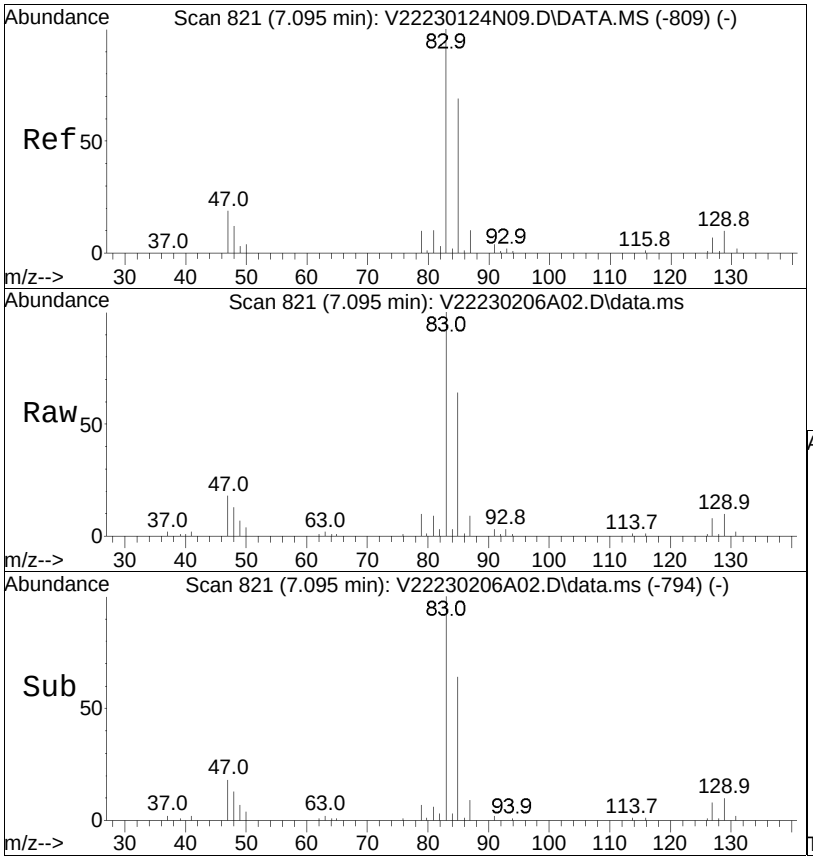


#54
1,2-Dichloropropane
Concen: 9.31 ug/L
RT: 7.029 min Scan# 812
Delta R.T. -0.000 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 63 Resp: 39024

Ion	Ratio	Lower	Upper
63	100		
62	75.2	56.9	85.3
76	52.2	35.8	53.8

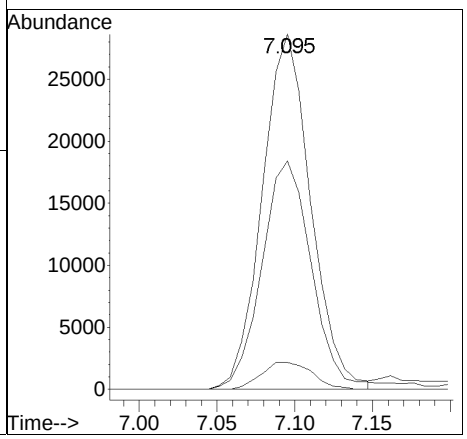


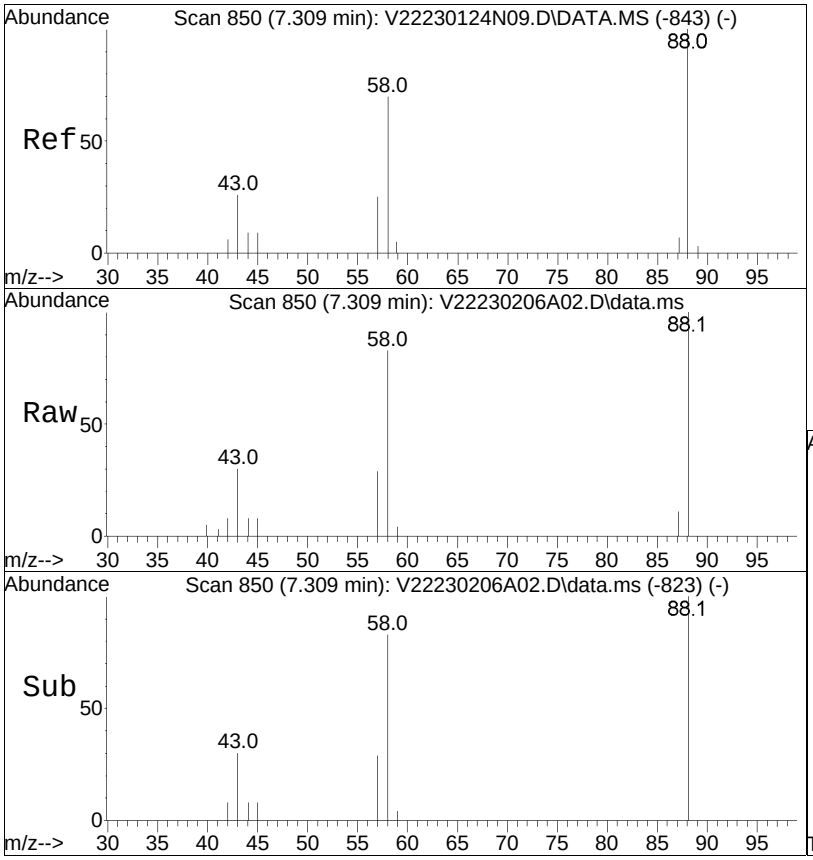


#57
Bromodichloromethane
Concen: 9.62 ug/L
RT: 7.095 min Scan# 821
Delta R.T. 0.000 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 83 Resp: 62128

Ion	Ratio	Lower	Upper
83	100		
85	67.3	51.6	77.4
127	8.1	7.4	11.0

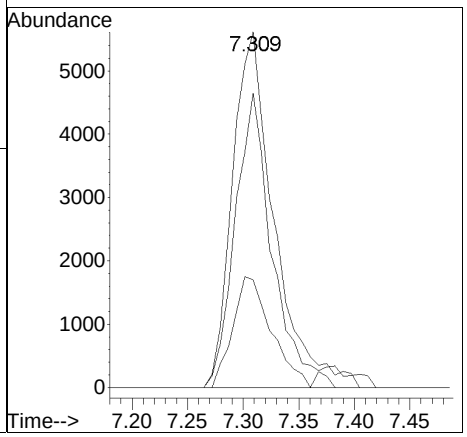


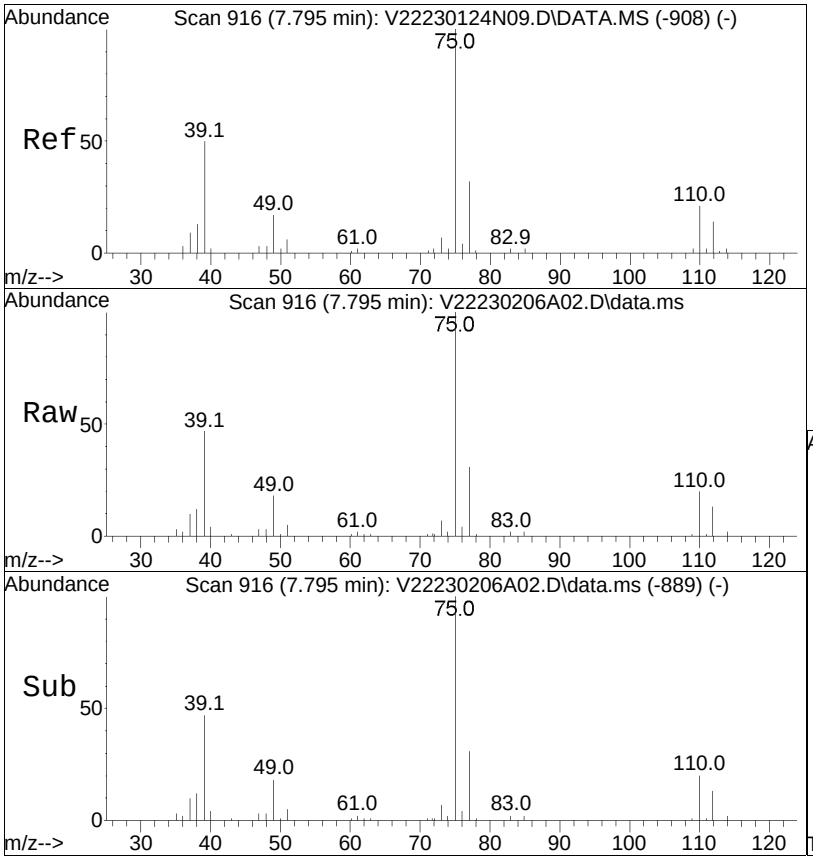


#60
1,4-Dioxane
Concen: 621.69 ug/L
RT: 7.309 min Scan# 850
Delta R.T. -0.000 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 88 Resp: 14616

Ion	Ratio	Lower	Upper
88	100		
58	77.2	43.3	64.9#
43	29.0	15.1	22.7#

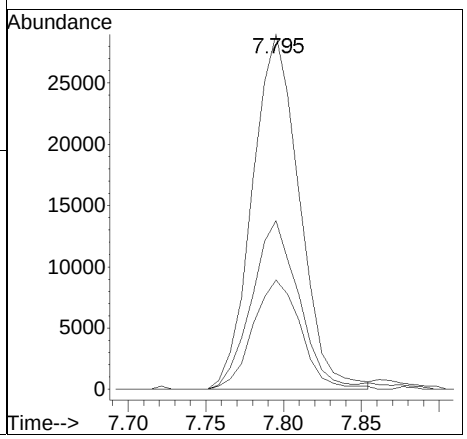


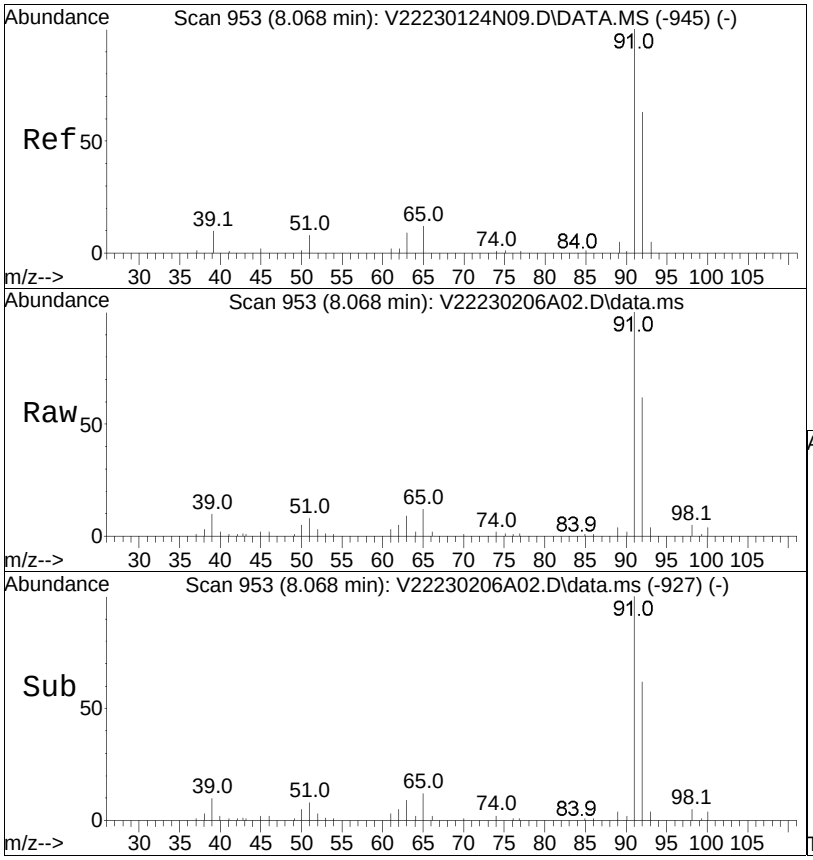


#61
cis-1,3-Dichloropropene
Concen: 9.62 ug/L
RT: 7.795 min Scan# 916
Delta R.T. 0.000 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 75 Resp: 60935

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.6	38.4
39	47.4	35.4	53.0

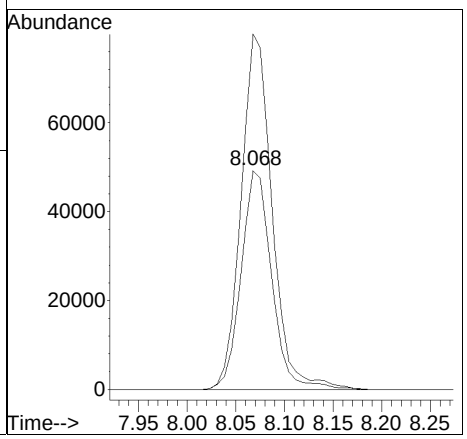


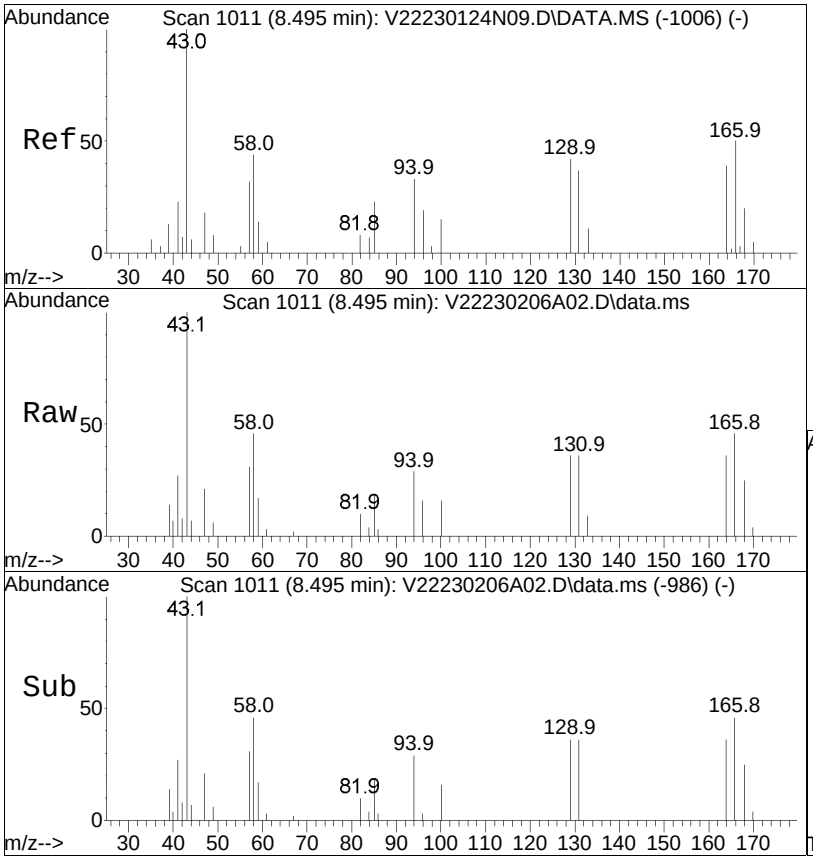


#64
Toluene
Concen: 9.66 ug/L
RT: 8.068 min Scan# 953
Delta R.T. -0.007 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 92 Resp: 107818

Ion	Ratio	Lower	Upper
92	100		
91	164.3	137.0	205.6

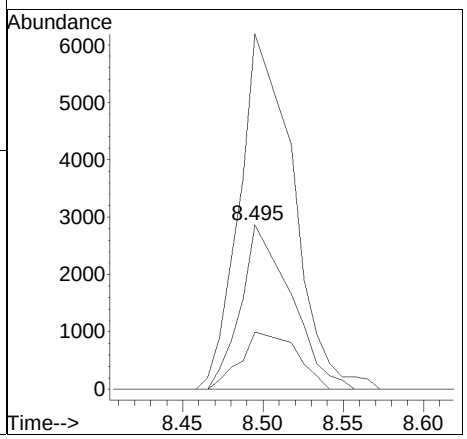


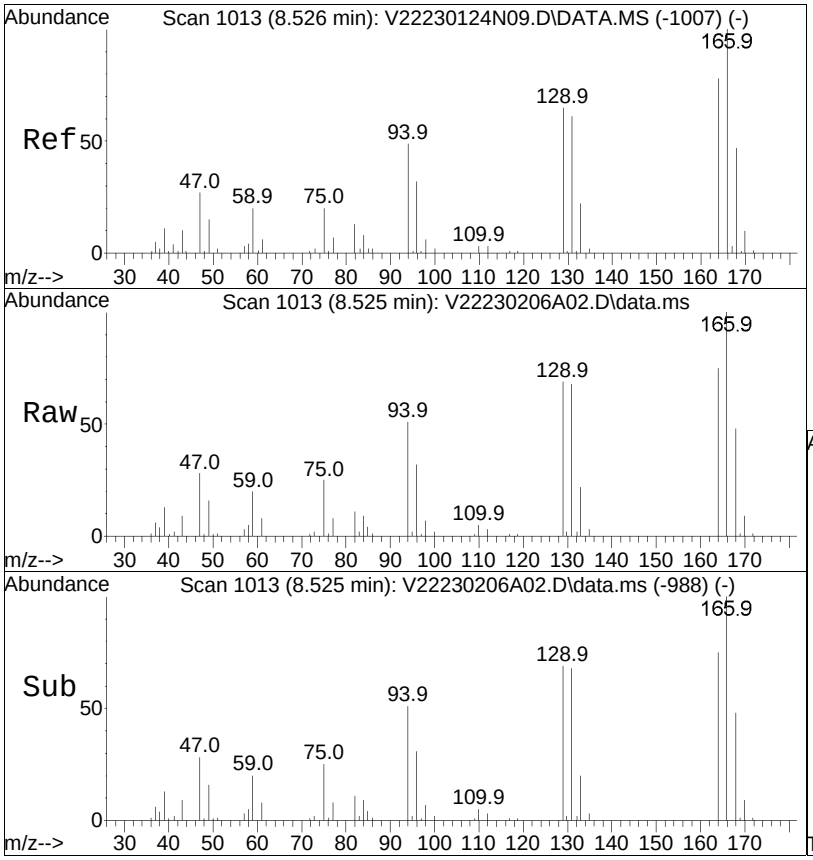


#65
4-Methyl-2-pentanone
Concen: 9.63 ug/L
RT: 8.495 min Scan# 1011
Delta R.T. -0.014 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 58 Resp: 4953

Ion	Ratio	Lower	Upper
58	100		
100	39.0	36.2	54.4
43	225.6	181.8	272.8

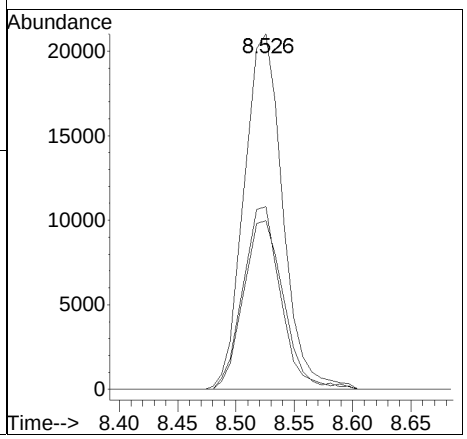


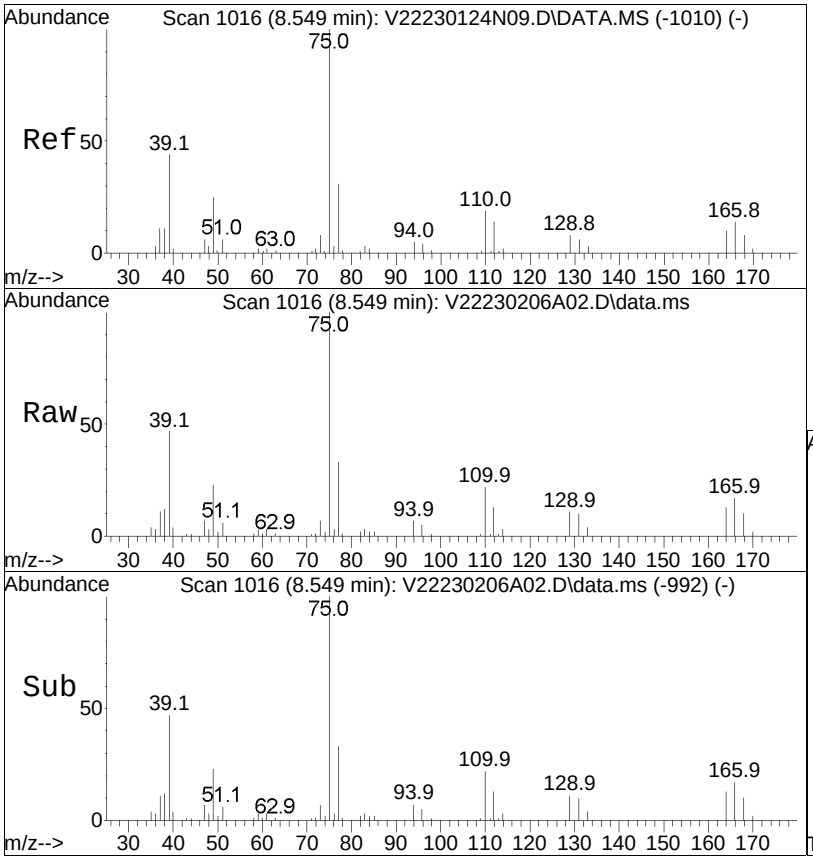


#66
Tetrachloroethene
Concen: 9.62 ug/L
RT: 8.525 min Scan# 1013
Delta R.T. 0.002 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:166 Resp: 41989

Ion	Ratio	Lower	Upper
166	100		
168	49.9	27.8	67.8
94	49.7	16.7	56.7

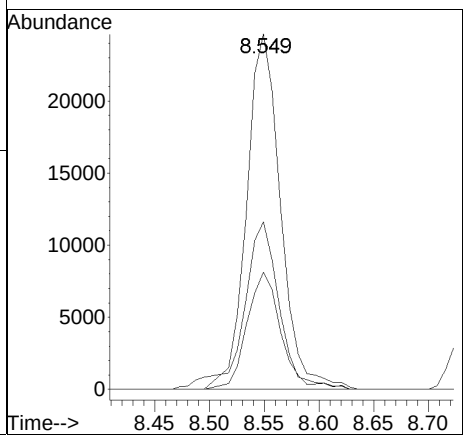


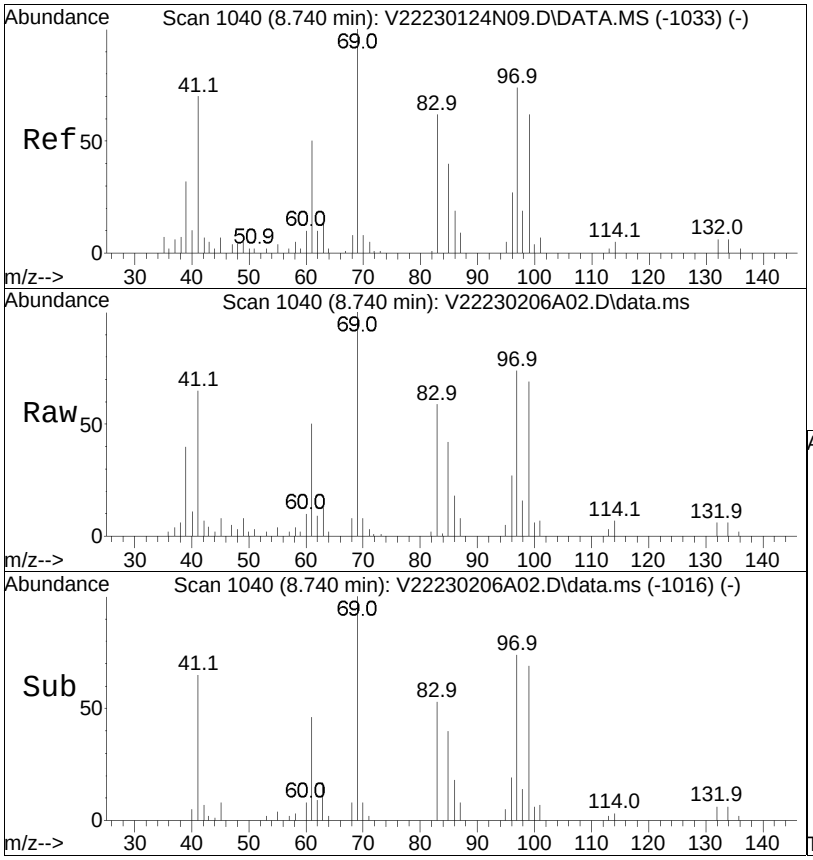


#68
trans-1,3-Dichloropropene
Concen: 8.97 ug/L
RT: 8.549 min Scan# 1016
Delta R.T. -0.007 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 75 Resp: 57794

Ion	Ratio	Lower	Upper
75	100		
77	33.3	11.9	51.9
39	47.1	27.4	67.4

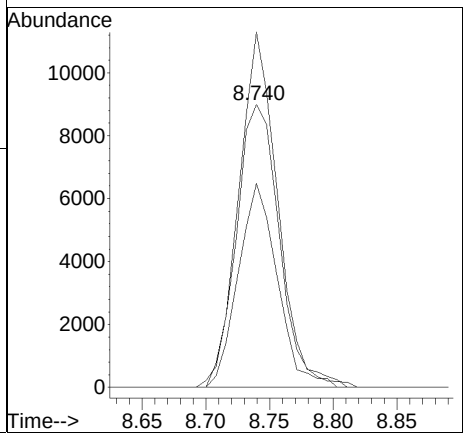


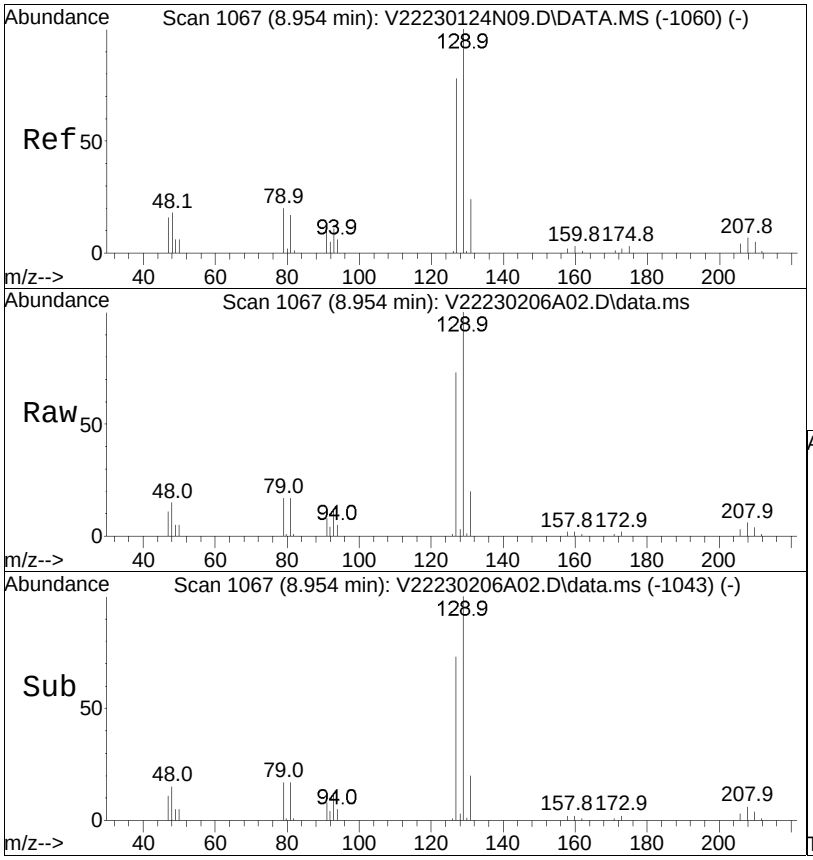


#71
1,1,2-Trichloroethane
Concen: 9.18 ug/L
RT: 8.740 min Scan# 1040
Delta R.T. -0.007 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 83 Resp: 21114

Ion	Ratio	Lower	Upper
83	100		
97	113.8	103.4	143.4
85	65.8	47.9	87.9

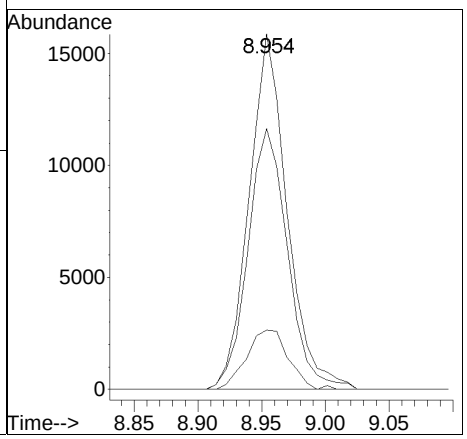


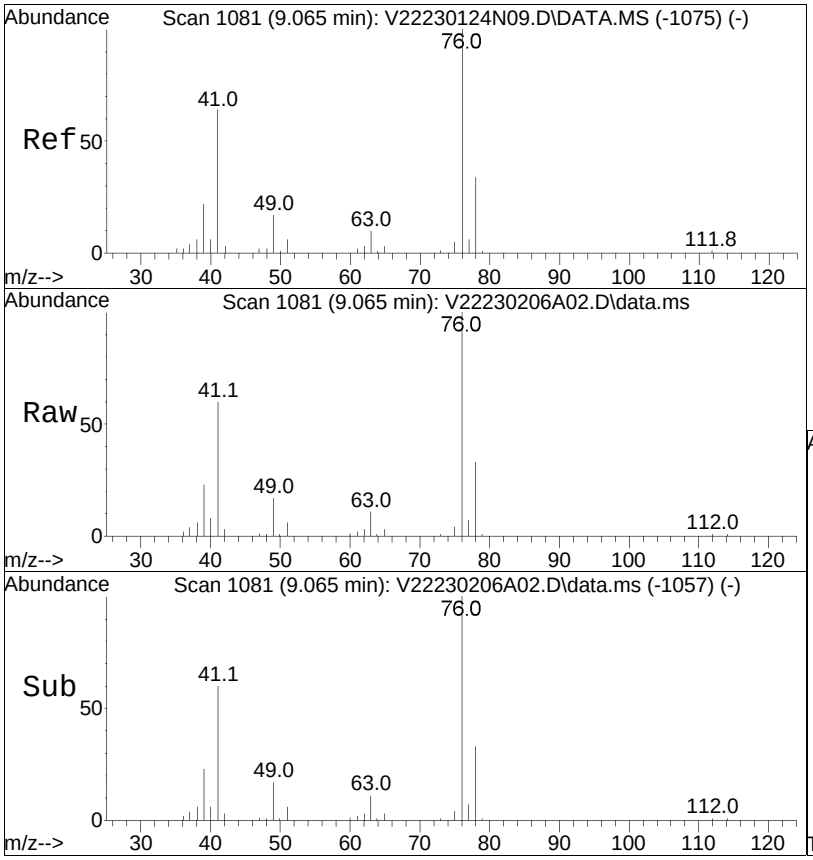


#72
Chlorodibromomethane
Concen: 8.61 ug/L
RT: 8.954 min Scan# 1067
Delta R.T. -0.007 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:129 Resp: 33002

Ion	Ratio	Lower	Upper
129	100		
81	18.5	0.0	33.8
127	76.4	57.1	97.1

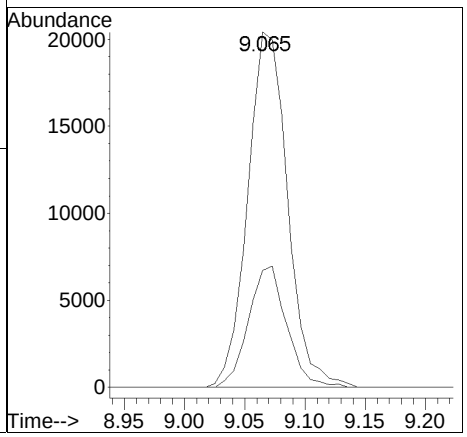


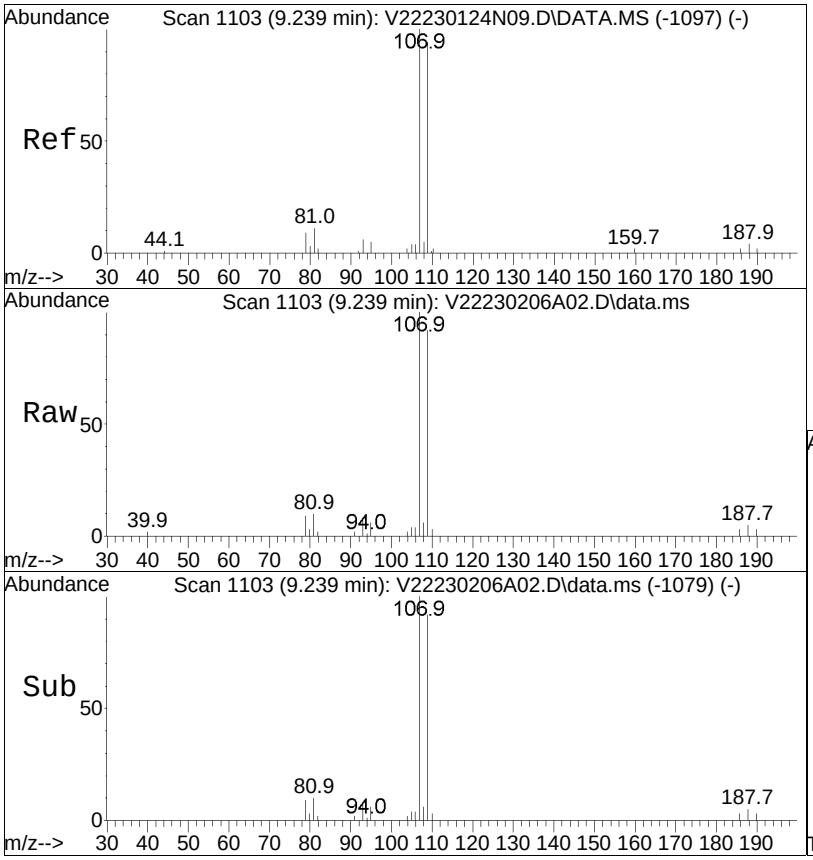


#73
1,3-Dichloropropane
Concen: 9.12 ug/L
RT: 9.065 min Scan# 1081
Delta R.T. -0.007 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 76 Resp: 47108

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.7	38.5

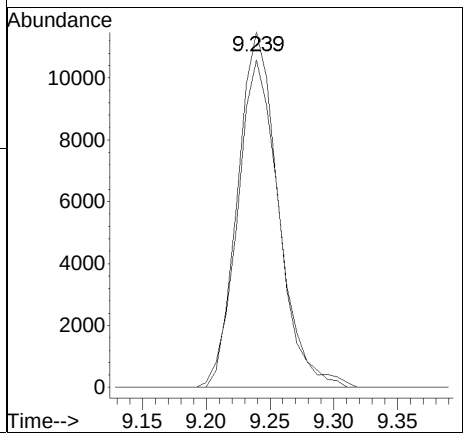


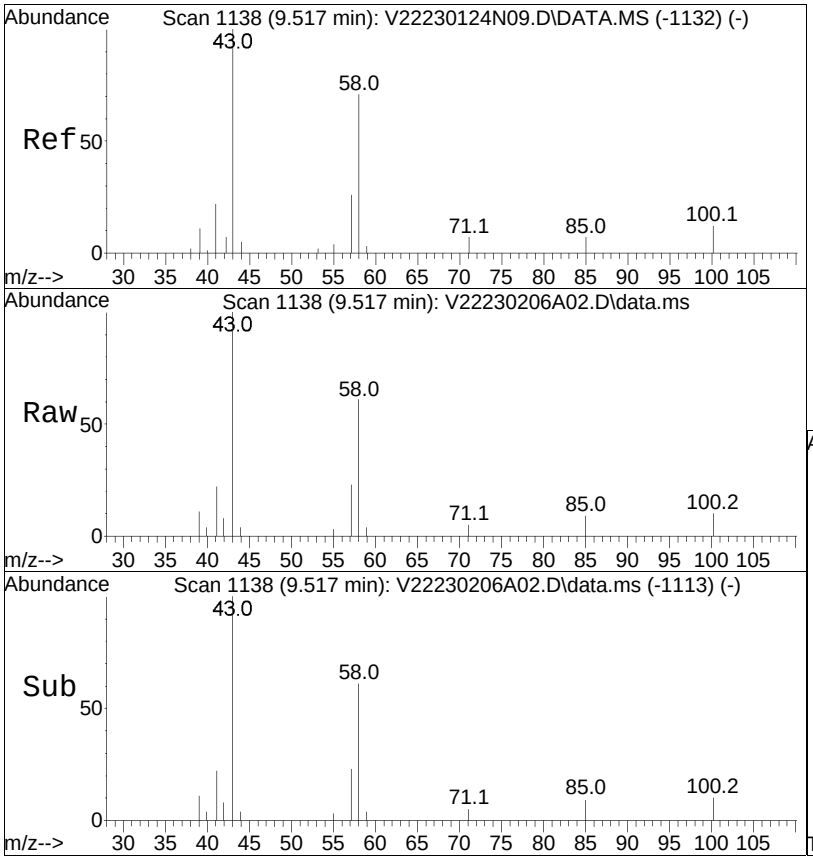


#74
1,2-Dibromoethane
Concen: 9.44 ug/L
RT: 9.239 min Scan# 1103
Delta R.T. -0.007 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:107 Resp: 25603

Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.1	112.7

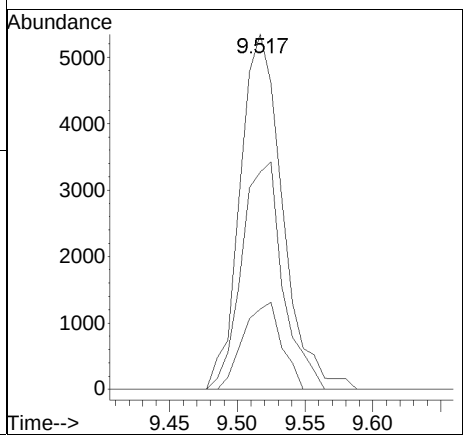


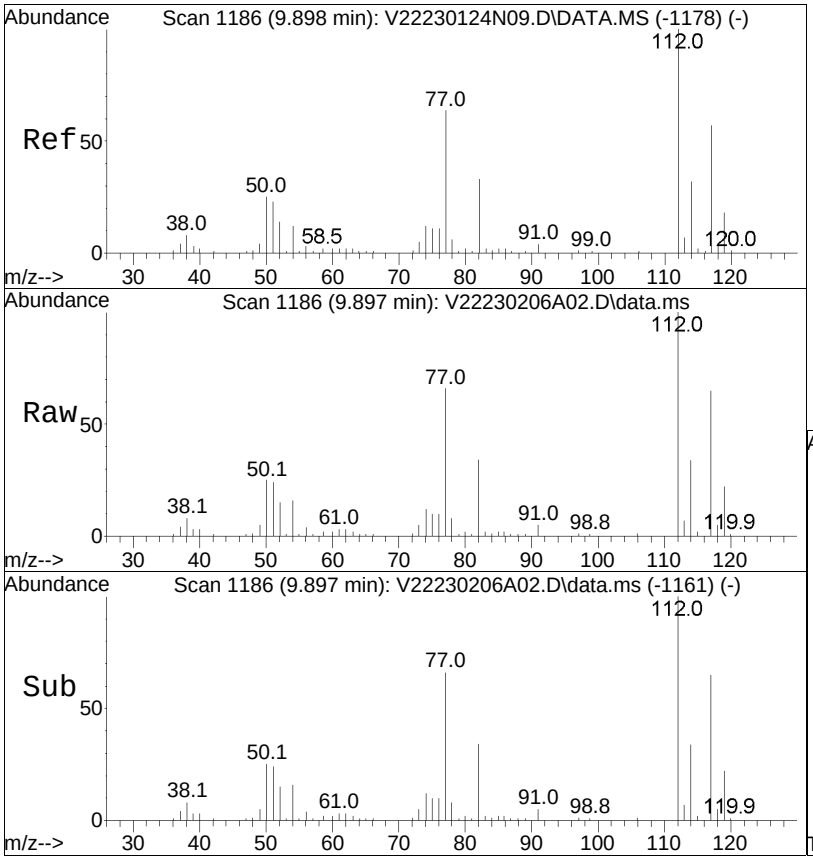


#76
2-Hexanone
Concen: 8.79 ug/L
RT: 9.517 min Scan# 1138
Delta R.T. 0.001 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 43 Resp: 11705

Ion	Ratio	Lower	Upper
43	100		
58	61.7	47.6	71.4
57	22.1	16.6	24.8

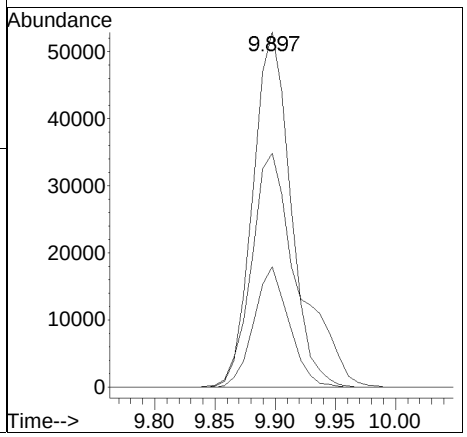


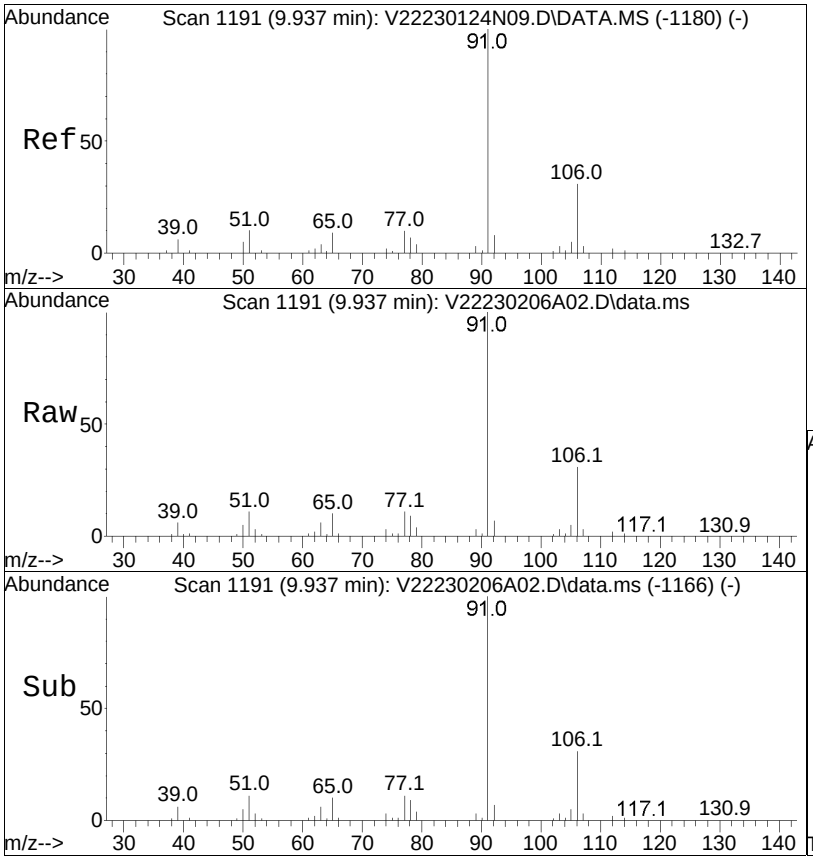


#77
Chlorobenzene
Concen: 9.46 ug/L
RT: 9.897 min Scan# 1186
Delta R.T. 0.001 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:112 Resp: 114327

Ion	Ratio	Lower	Upper
112	100		
77	84.2	55.4	83.0#
114	32.2	26.2	39.4

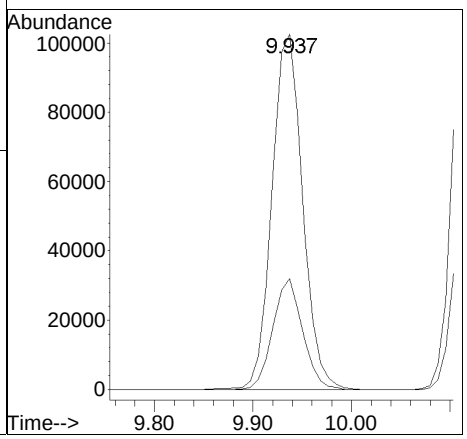


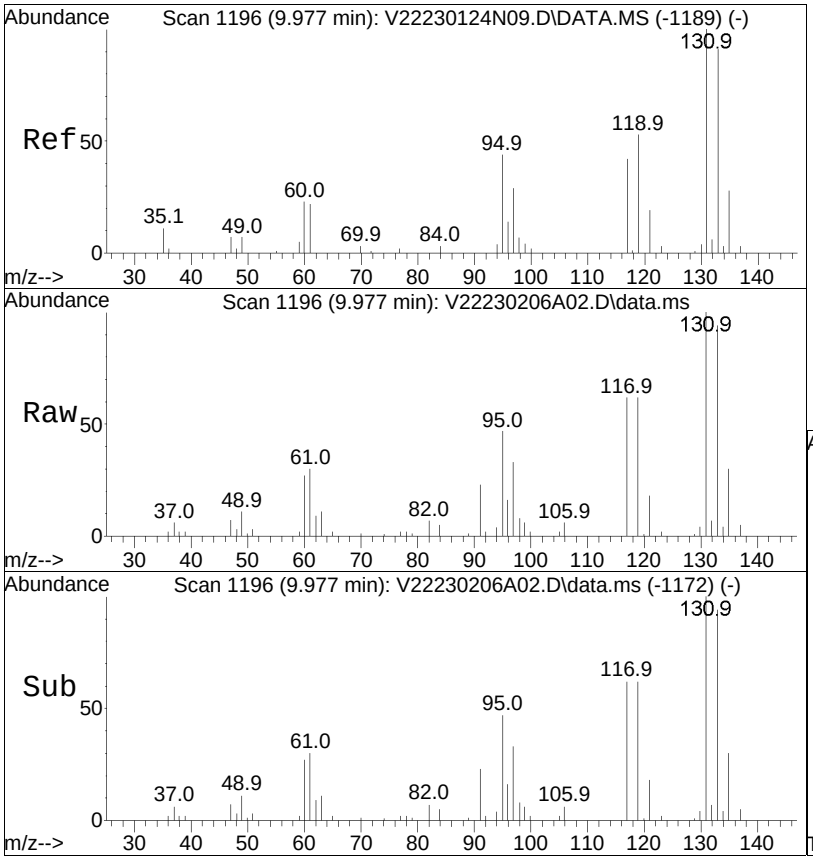


#78
Ethylbenzene
Concen: 9.69 ug/L
RT: 9.937 min Scan# 1191
Delta R.T. 0.001 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 91 Resp: 221490

Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.8	38.6

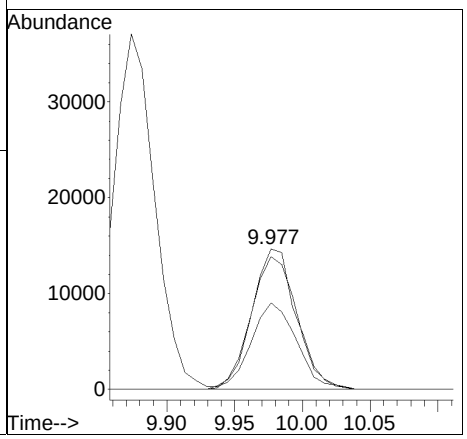


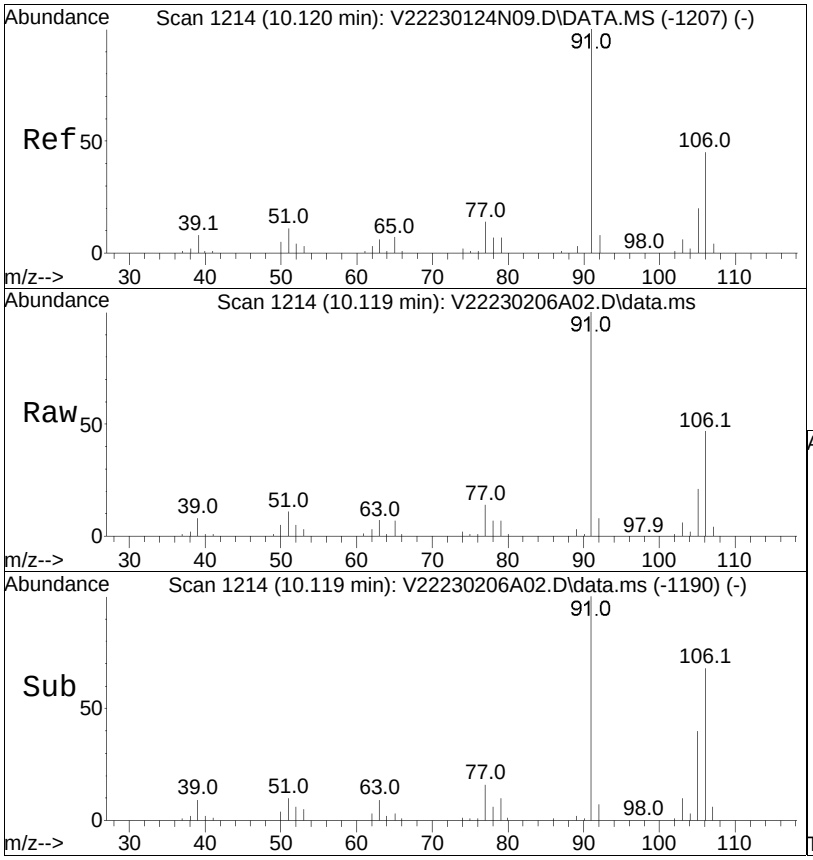


#79
1,1,1,2-Tetrachloroethane
Concen: 8.84 ug/L
RT: 9.977 min Scan# 1196
Delta R.T. -0.007 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:131 Resp: 33467

Ion	Ratio	Lower	Upper
131	100		
133	98.2	75.3	115.3
119	62.8	49.3	89.3

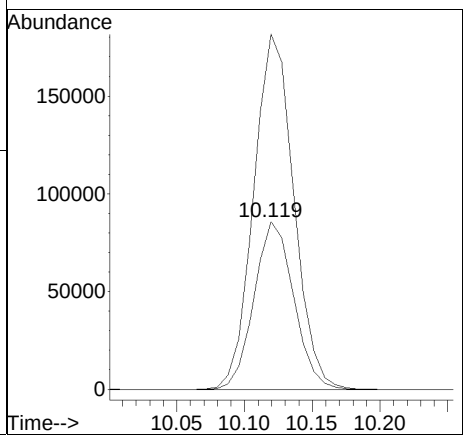


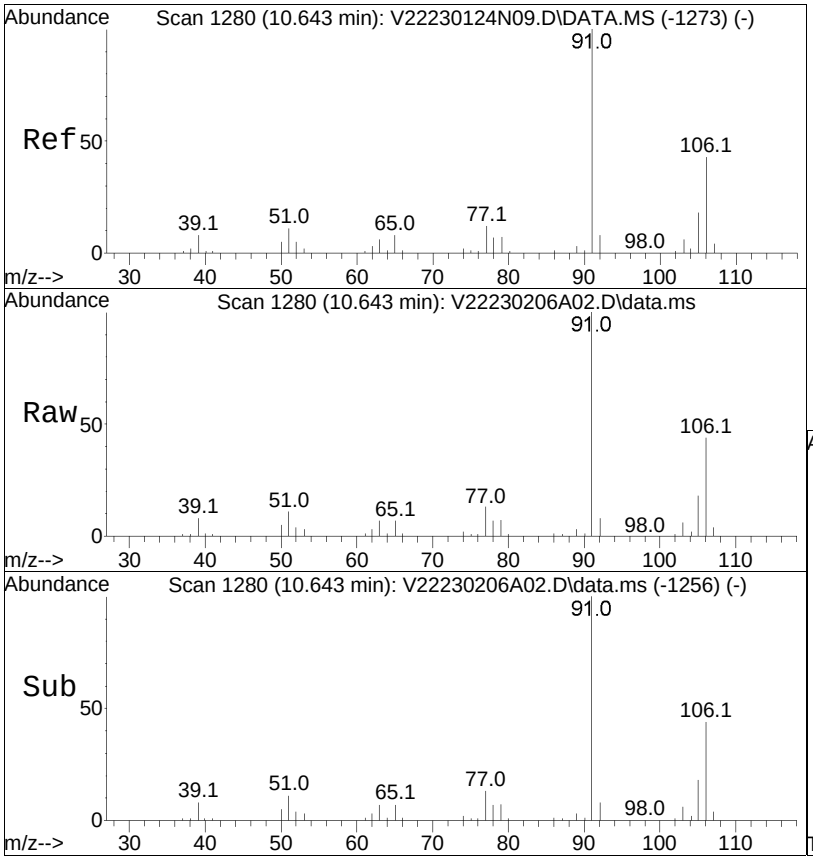


#80
p/m Xylene
Concen: 20.57 ug/L
RT: 10.119 min Scan# 1214
Delta R.T. -0.007 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:106 Resp: 174165

Ion	Ratio	Lower	Upper
106	100		
91	214.7	156.0	234.0

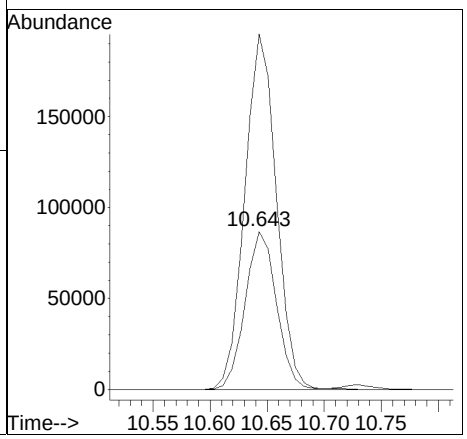


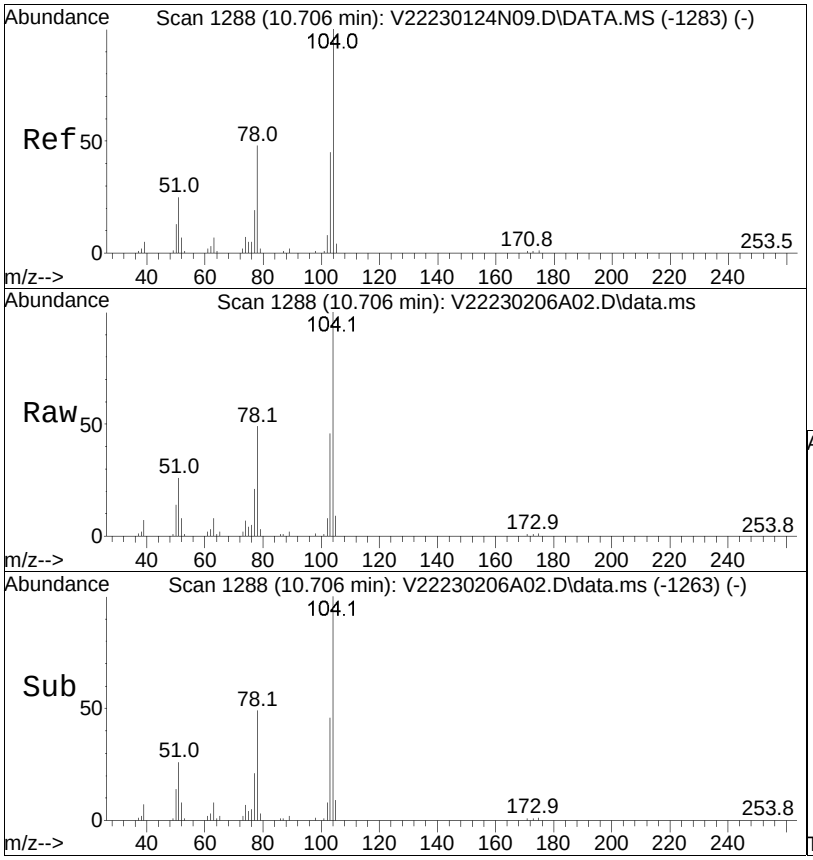


#81
o Xylene
Concen: 20.27 ug/L
RT: 10.643 min Scan# 1280
Delta R.T. -0.007 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:106 Resp: 166214

Ion	Ratio	Lower	Upper
106	100		
91	225.5	164.0	246.0

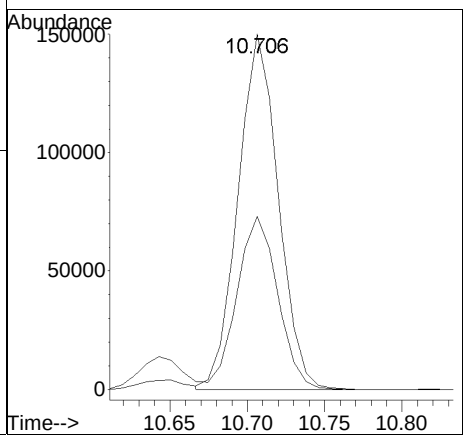


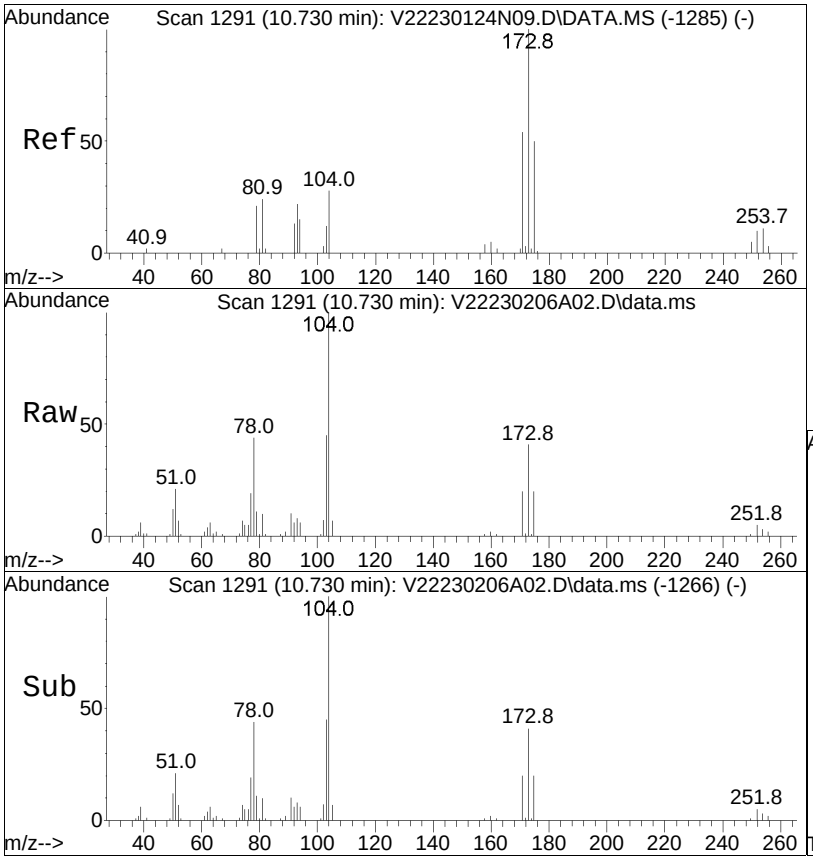


#82
Styrene
Concen: 20.35 ug/L
RT: 10.706 min Scan# 1288
Delta R.T. 0.001 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:104 Resp: 270982

Ion	Ratio	Lower	Upper
104	100		
78	49.0	32.1	48.1#

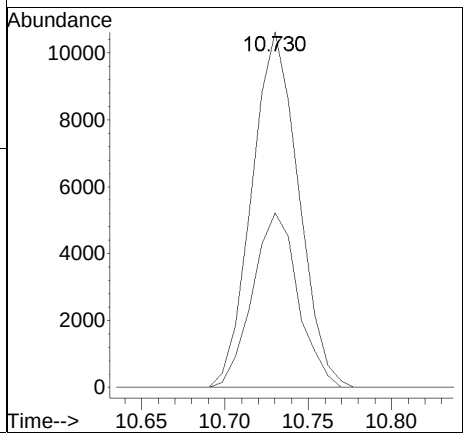


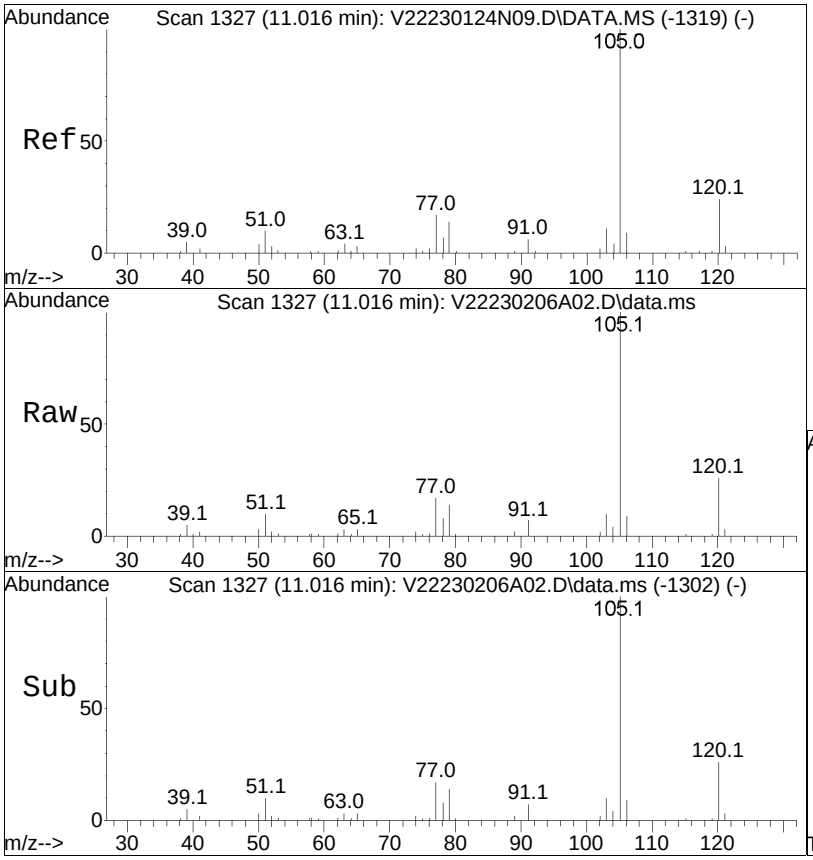


#84
Bromoform
Concen: 8.84 ug/L
RT: 10.730 min Scan# 1291
Delta R.T. 0.001 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:173 Resp: 20706

Ion	Ratio	Lower	Upper
173	100		
175	47.8	29.3	69.3

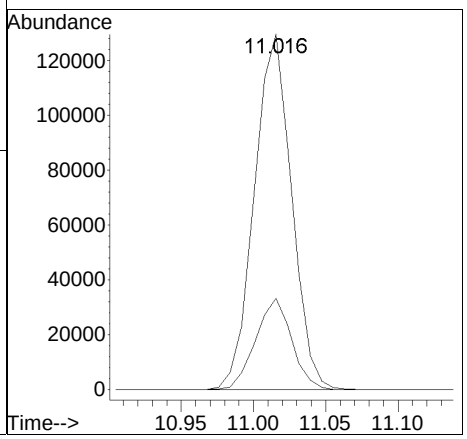


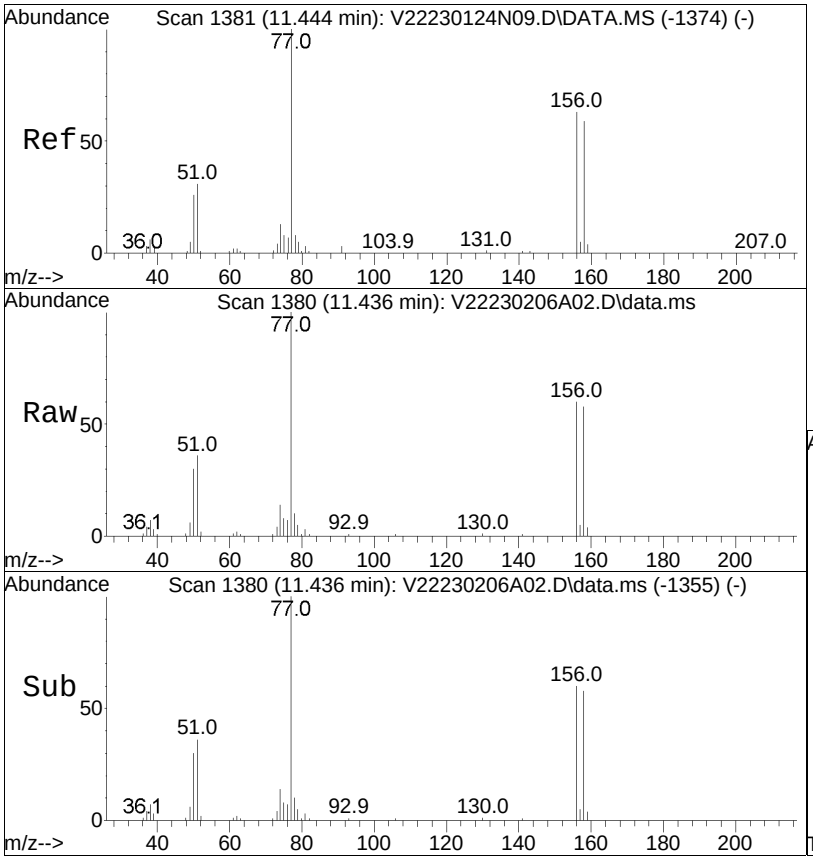


#86
Isopropylbenzene
Concen: 9.97 ug/L
RT: 11.016 min Scan# 1327
Delta R.T. 0.001 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:105 Resp: 232124

Ion	Ratio	Lower	Upper
105	100		
120	24.6	7.7	47.7

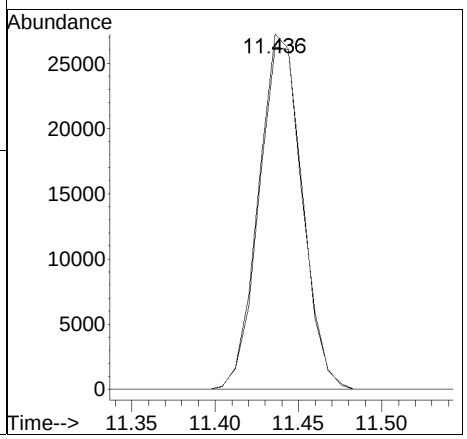


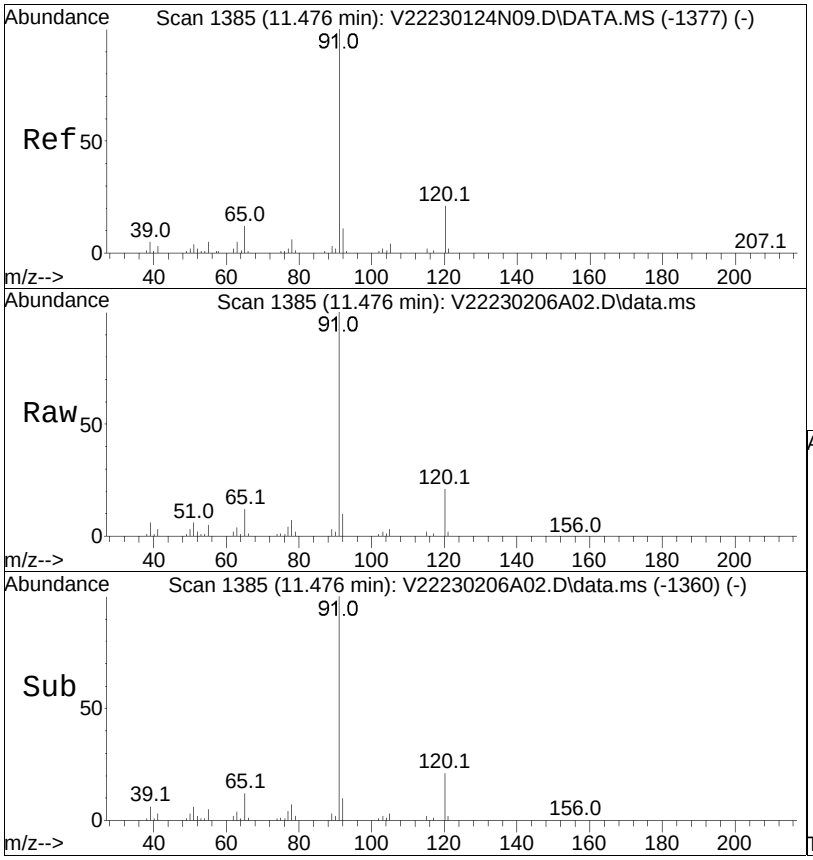


#88
Bromobenzene
Concen: 9.57 ug/L
RT: 11.436 min Scan# 1380
Delta R.T. -0.003 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:156 Resp: 49242

Ion	Ratio	Lower	Upper
156	100		
158	97.5	77.9	116.9

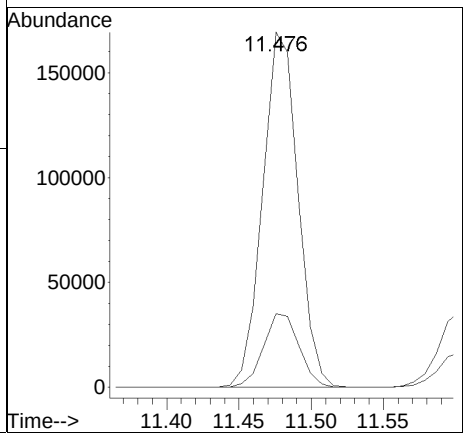


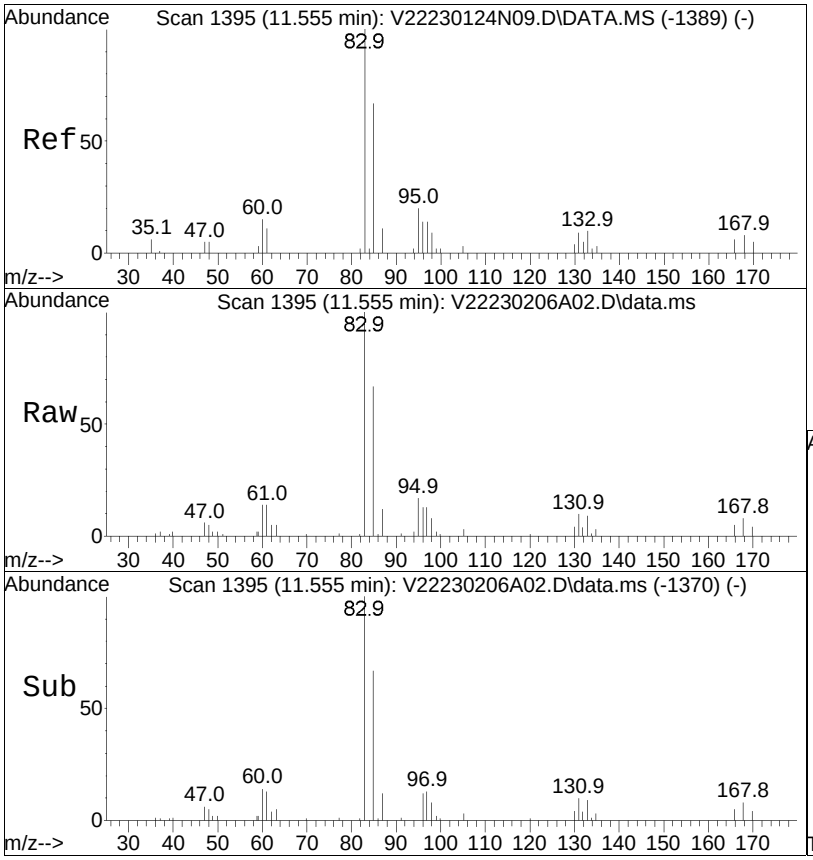


#89
n-Propylbenzene
Concen: 9.98 ug/L
RT: 11.476 min Scan# 1385
Delta R.T. -0.005 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 91 Resp: 288277

Ion	Ratio	Lower	Upper
91	100		
120	21.0	19.5	29.3

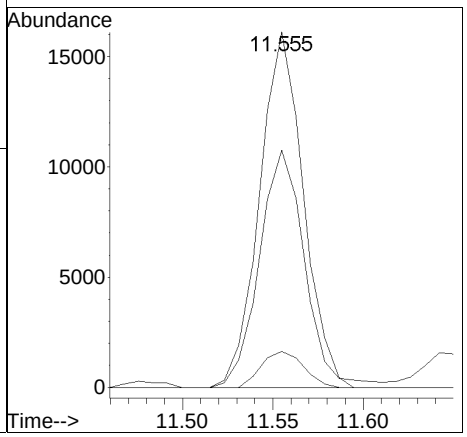


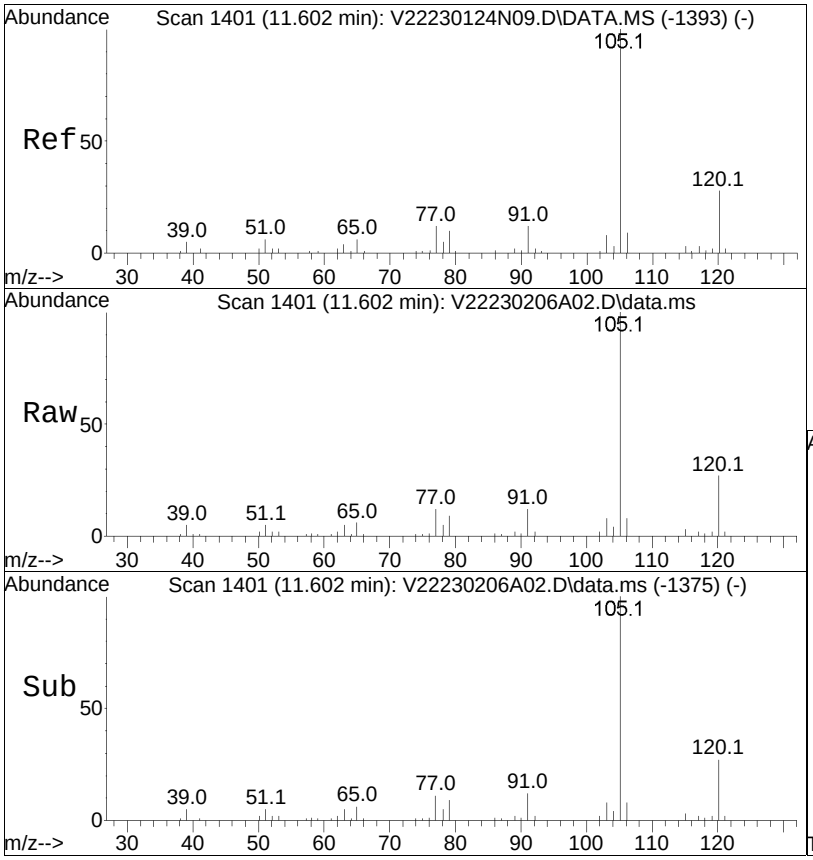


#91
1,1,2,2-Tetrachloroethane
Concen: 9.65 ug/L
RT: 11.555 min Scan# 1395
Delta R.T. -0.002 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 83 Resp: 27202

Ion	Ratio	Lower	Upper
83	100		
131	9.8	0.0	30.8
85	69.0	45.4	85.4

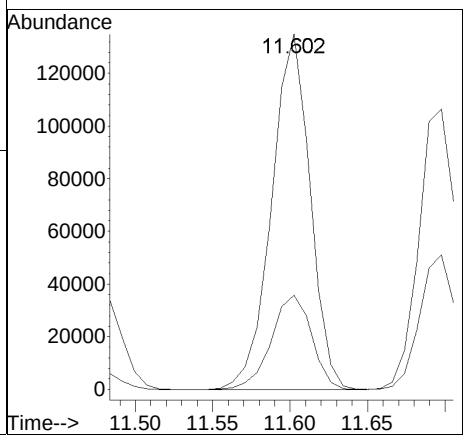


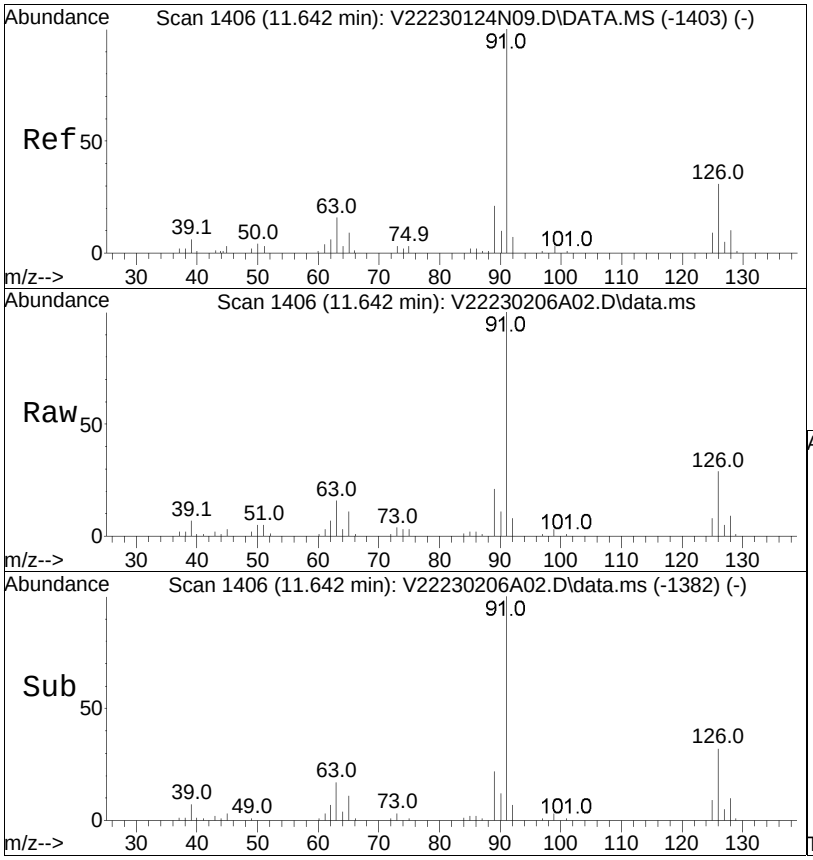


#92
4-Ethyltoluene
Concen: 9.96 ug/L
RT: 11.602 min Scan# 1401
Delta R.T. 0.003 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:105 Resp: 233350

Ion	Ratio	Lower	Upper
105	100		
120	27.7	19.8	41.0

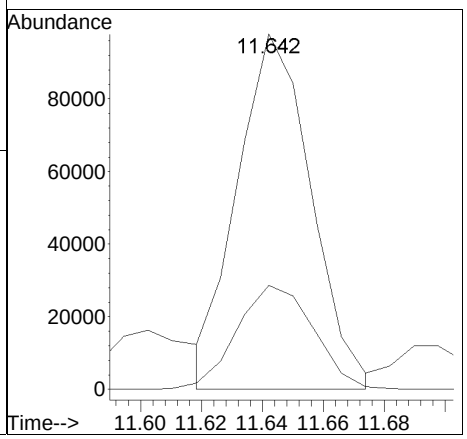


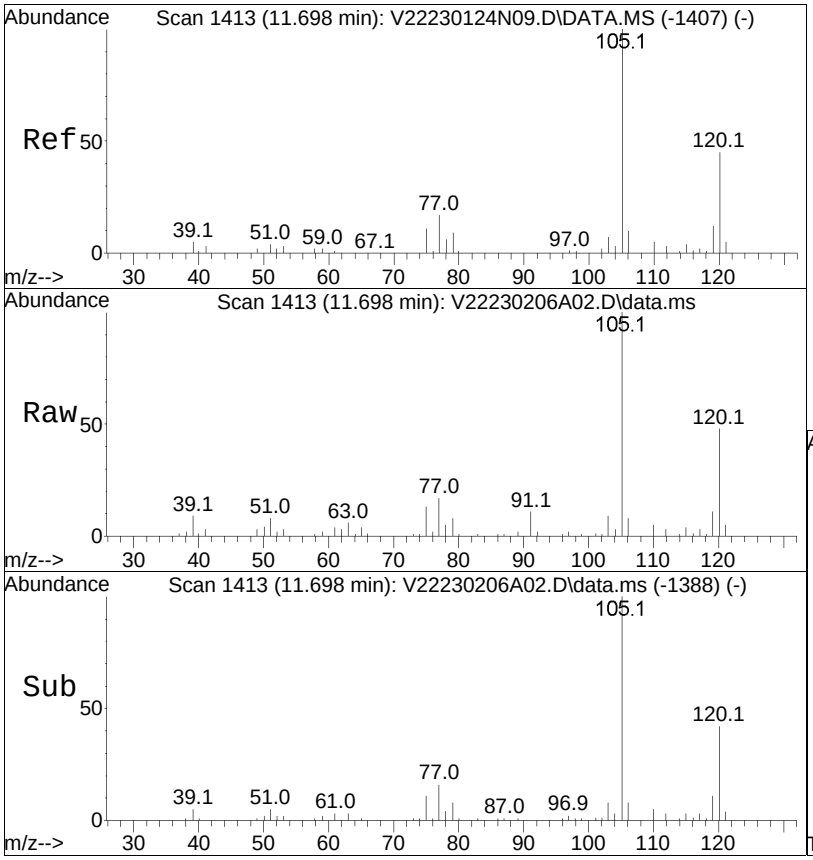


#93
2-Chlorotoluene
Concen: 9.81 ug/L M6
RT: 11.642 min Scan# 1406
Delta R.T. -0.006 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 91 Resp: 164554

Ion	Ratio	Lower	Upper
91	100		
126	30.5	24.6	37.0

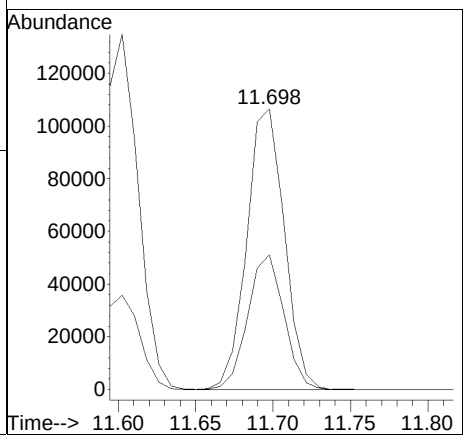


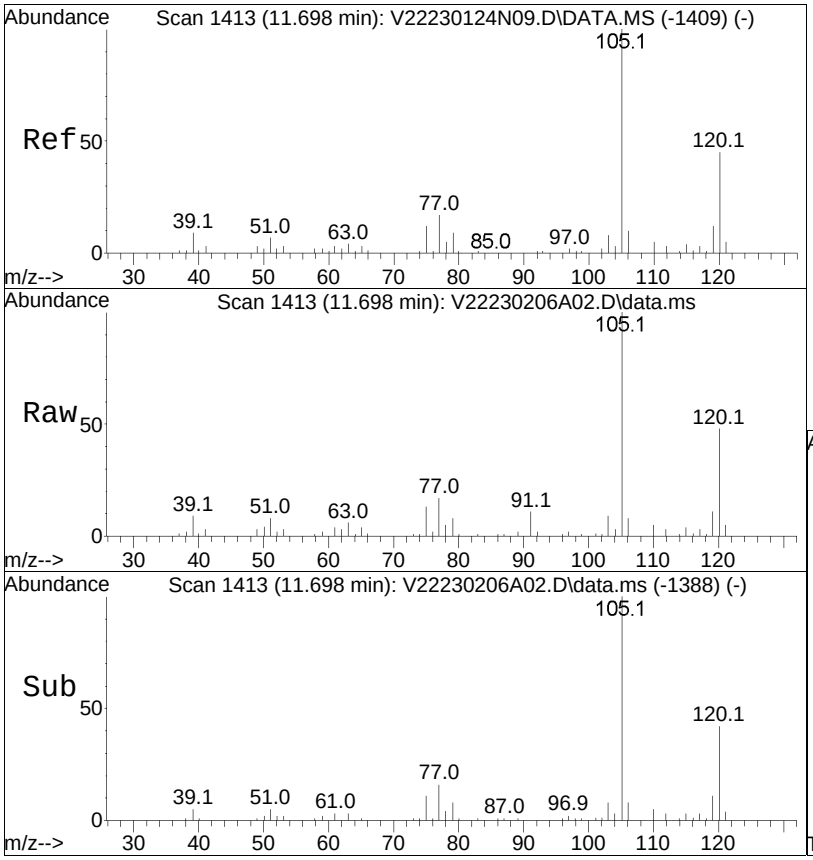


#94
1,3,5-Trimethylbenzene
Concen: 9.36 ug/L
RT: 11.698 min Scan# 1413
Delta R.T. 0.002 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:105 Resp: 179544

Ion	Ratio	Lower	Upper
105	100		
120	46.2	40.9	61.3

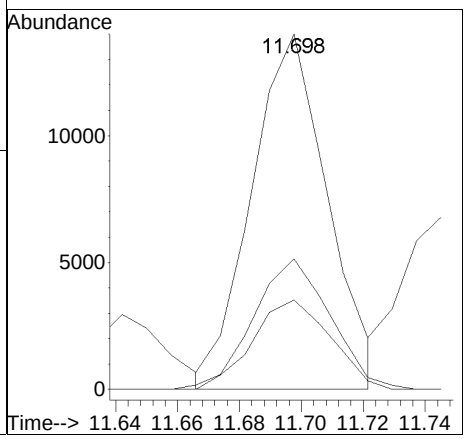


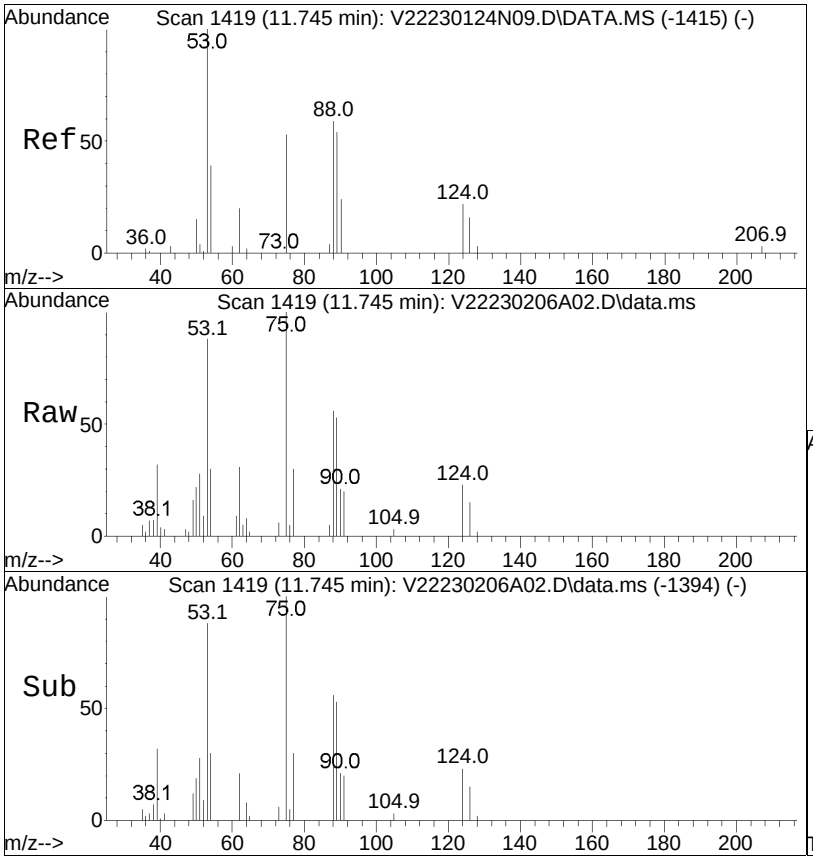


#95
1,2,3-Trichloropropane
Concen: 8.81 ug/L
RT: 11.698 min Scan# 1413
Delta R.T. 0.002 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 75 Resp: 23933

Ion	Ratio	Lower	Upper
75	100		
110	37.0	26.3	54.7
112	25.8	16.8	35.0

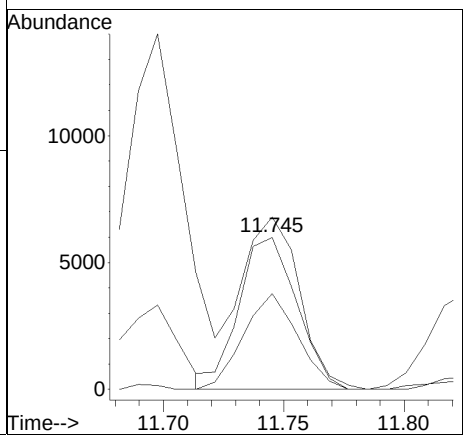


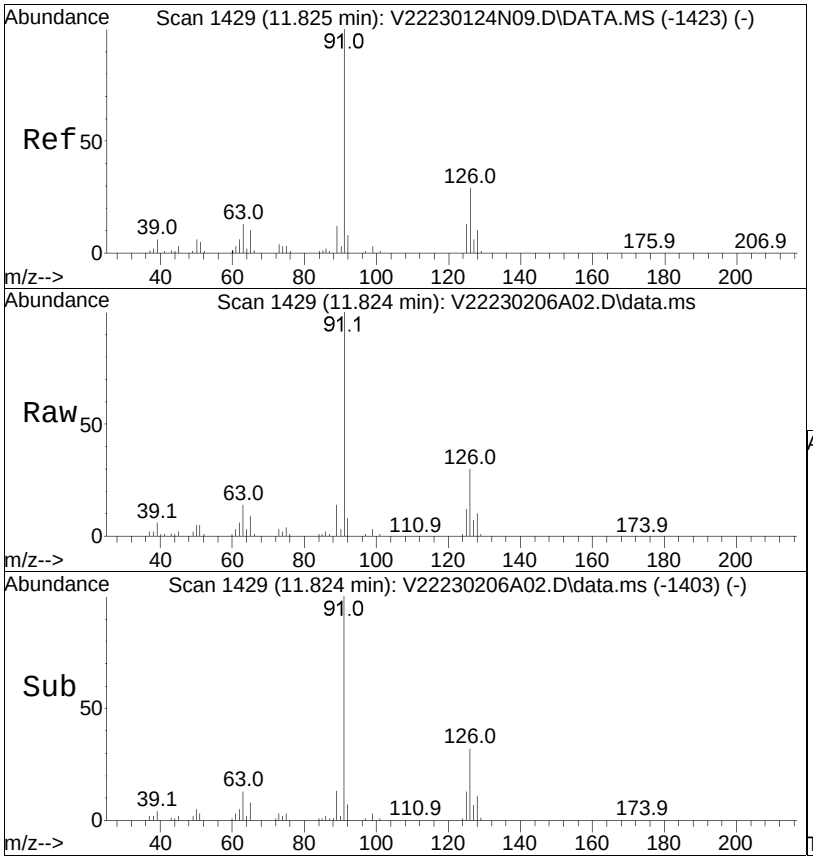


#96
trans-1,4-Dichloro-2-butene
Concen: 9.96 ug/L
RT: 11.745 min Scan# 1419
Delta R.T. 0.000 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 53 Resp: 10058

Ion	Ratio	Lower	Upper
53	100		
88	59.0	46.3	69.5
75	113.5	109.0	163.4

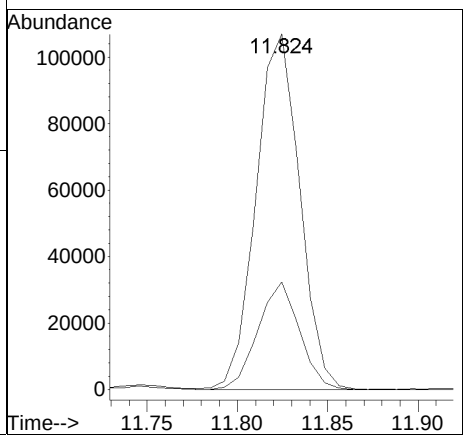


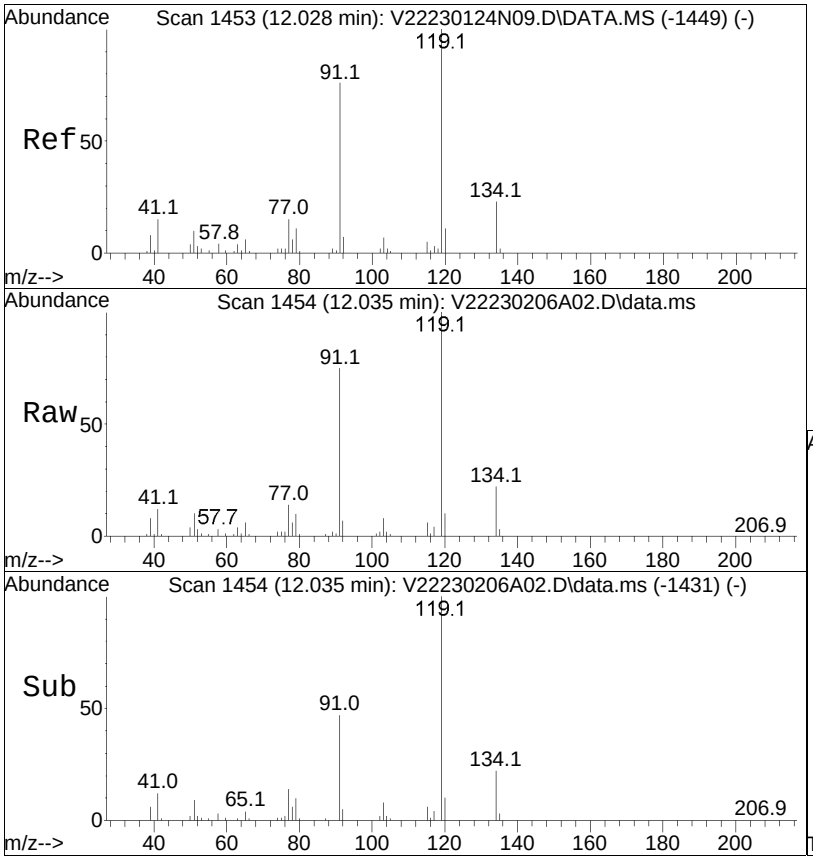


#97
4-Chlorotoluene
Concen: 10.06 ug/L
RT: 11.824 min Scan# 1429
Delta R.T. 0.002 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 91 Resp: 179522

Ion	Ratio	Lower	Upper
91	100		
126	28.7	28.5	42.7

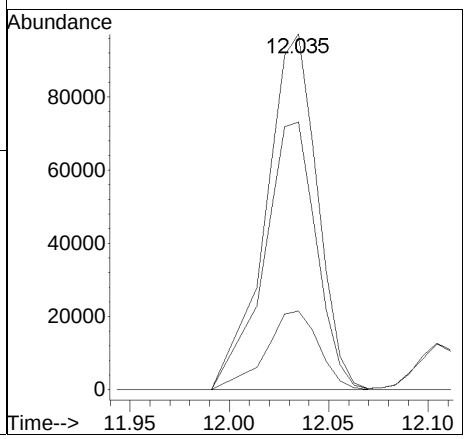


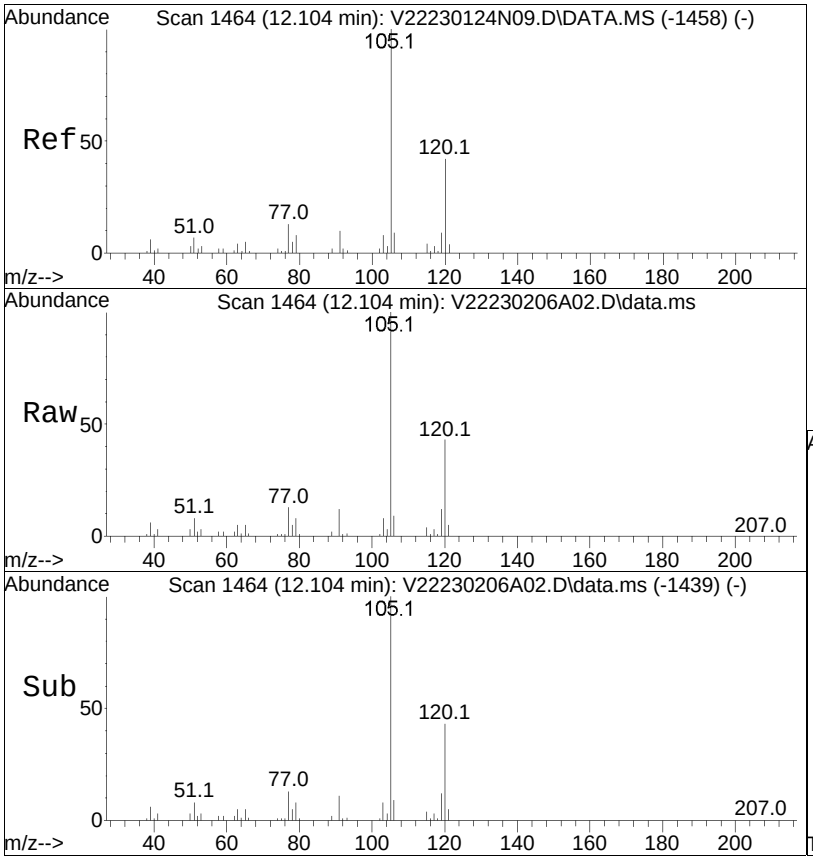


#98
tert-Butylbenzene
Concen: 10.24 ug/L
RT: 12.035 min Scan# 1454
Delta R.T. -0.003 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:119 Resp: 201363

Ion	Ratio	Lower	Upper
119	100		
91	75.7	50.2	75.4#
134	22.2	20.8	31.2

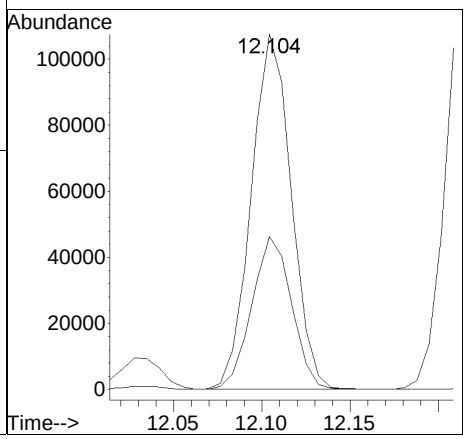


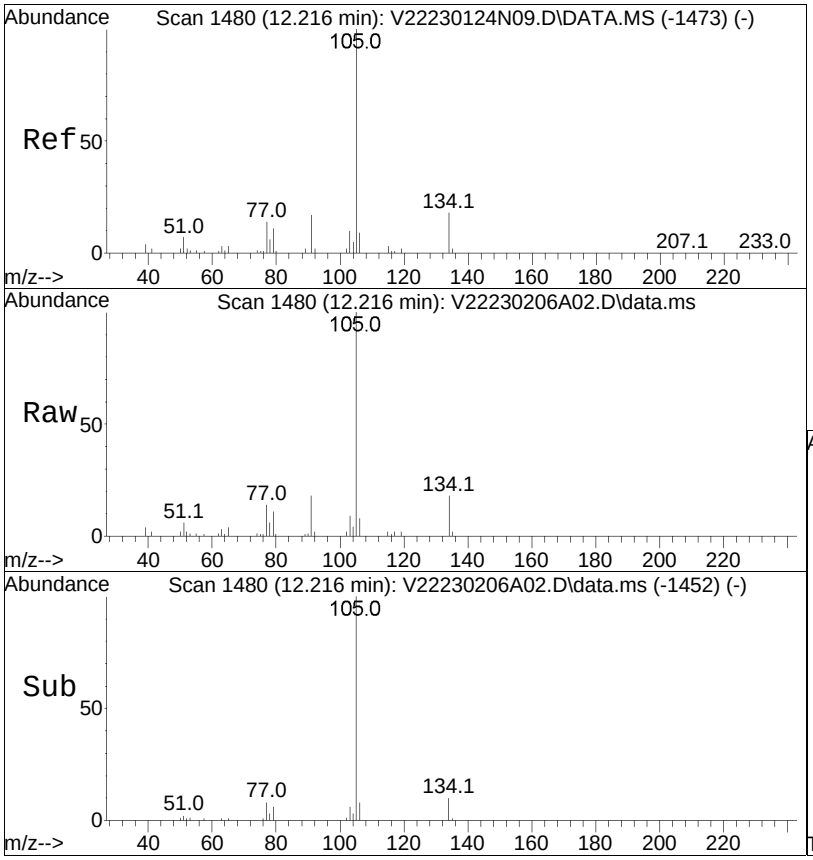


#101
1,2,4-Trimethylbenzene
Concen: 9.13 ug/L
RT: 12.104 min Scan# 1464
Delta R.T. -0.003 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:105 Resp: 169508

Ion	Ratio	Lower	Upper
105	100		
120	42.8	38.5	57.7

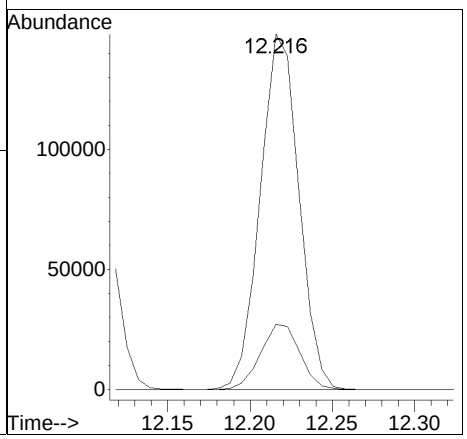


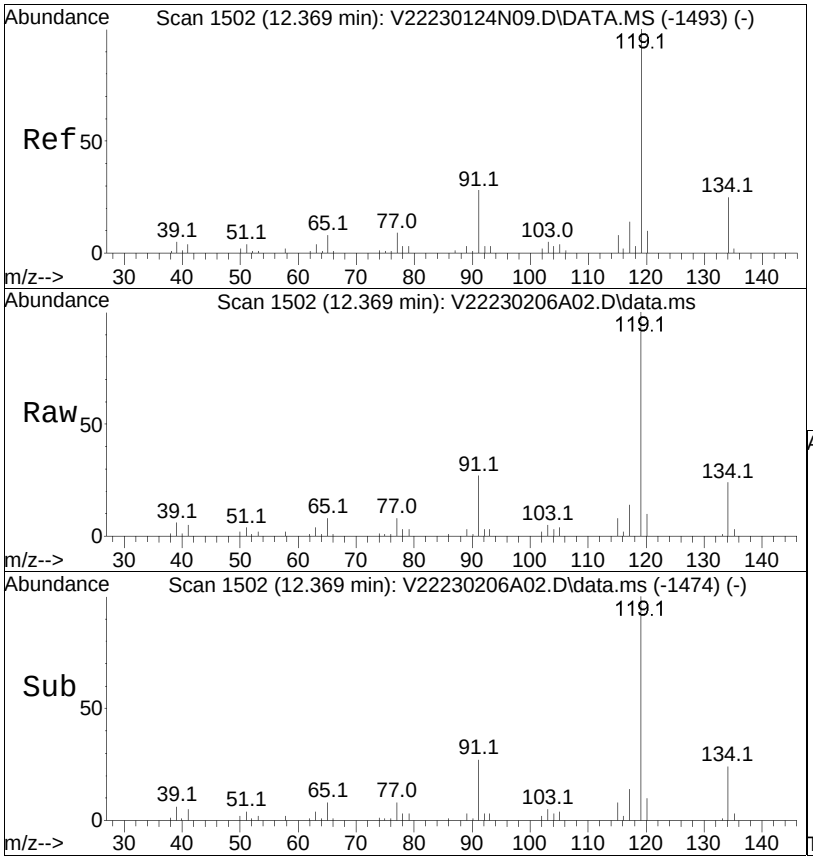


#102
sec-Butylbenzene
Concen: 10.01 ug/L
RT: 12.216 min Scan# 1480
Delta R.T. -0.003 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:105 Resp: 241704

Ion	Ratio	Lower	Upper
105	100		
134	18.6	13.9	28.9

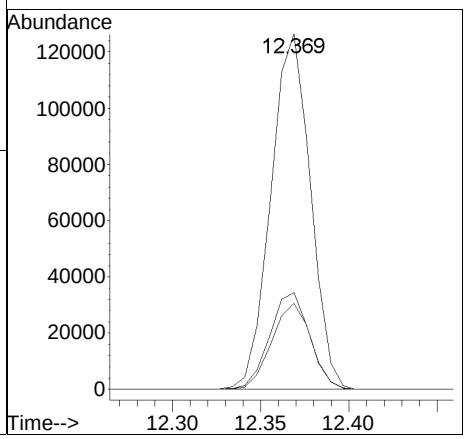


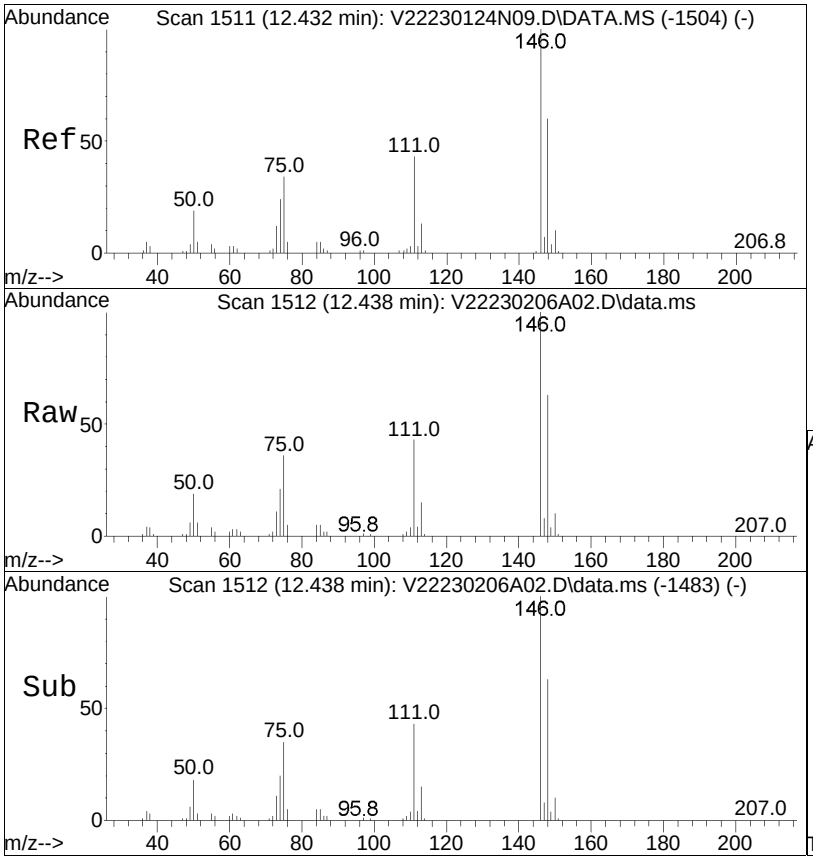


#103
p-Isopropyltoluene
Concen: 9.87 ug/L
RT: 12.369 min Scan# 1502
Delta R.T. -0.003 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:119 Resp: 197315

Ion	Ratio	Lower	Upper
119	100		
134	24.2	17.7	36.7
91	27.5	14.1	29.3

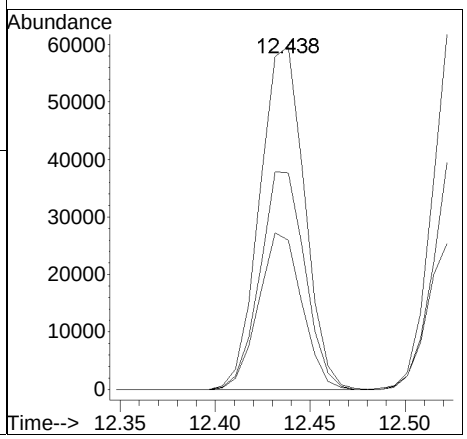


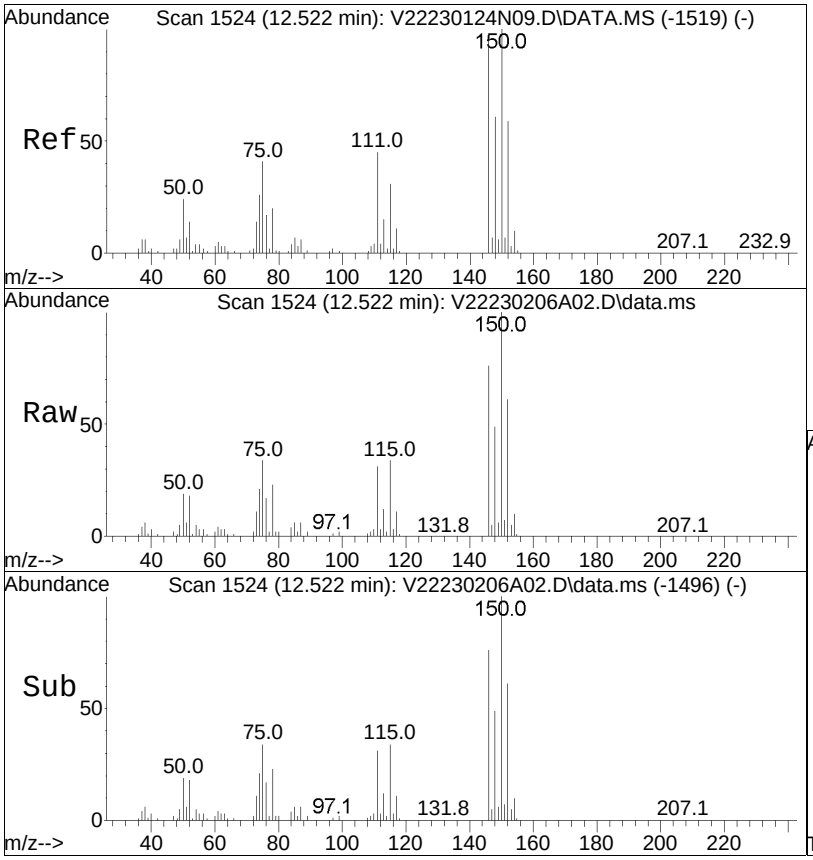


#104
1,3-Dichlorobenzene
Concen: 9.86 ug/L
RT: 12.438 min Scan# 1512
Delta R.T. 0.004 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:146 Resp: 97689

Ion	Ratio	Lower	Upper
146	100		
111	44.3	24.0	49.8
148	63.5	41.8	86.8

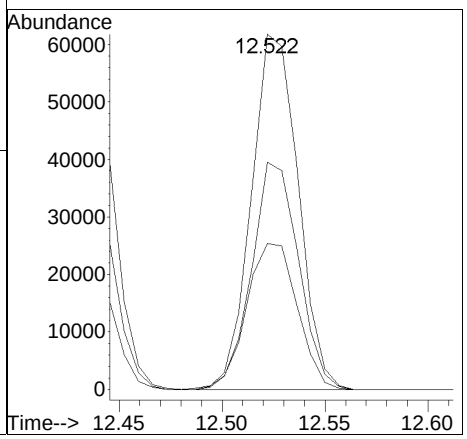


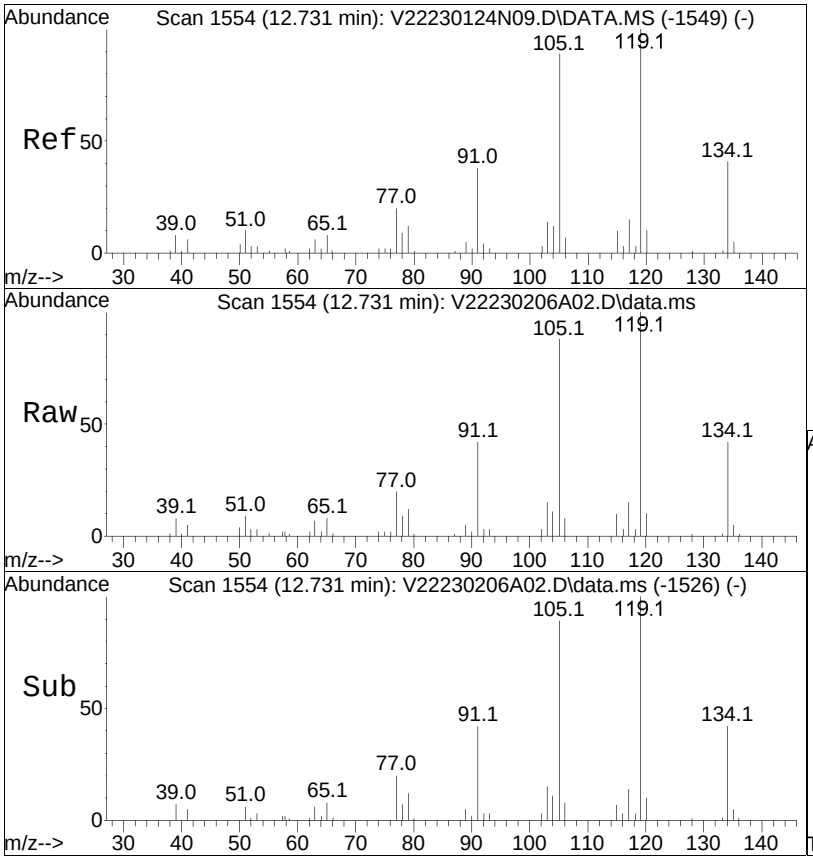


#105
1,4-Dichlorobenzene
Concen: 9.91 ug/L
RT: 12.522 min Scan# 1524
Delta R.T. -0.003 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:146 Resp: 97852

Ion	Ratio	Lower	Upper
146	100		
111	44.6	28.9	43.3#
148	64.1	51.4	77.2

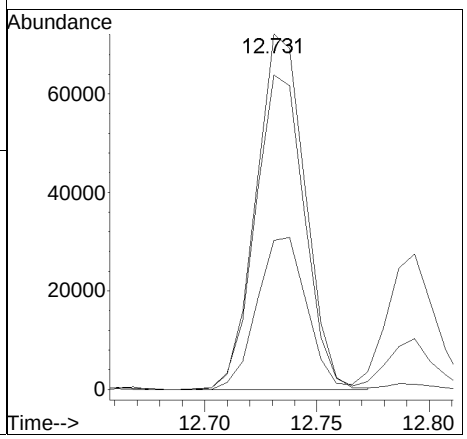


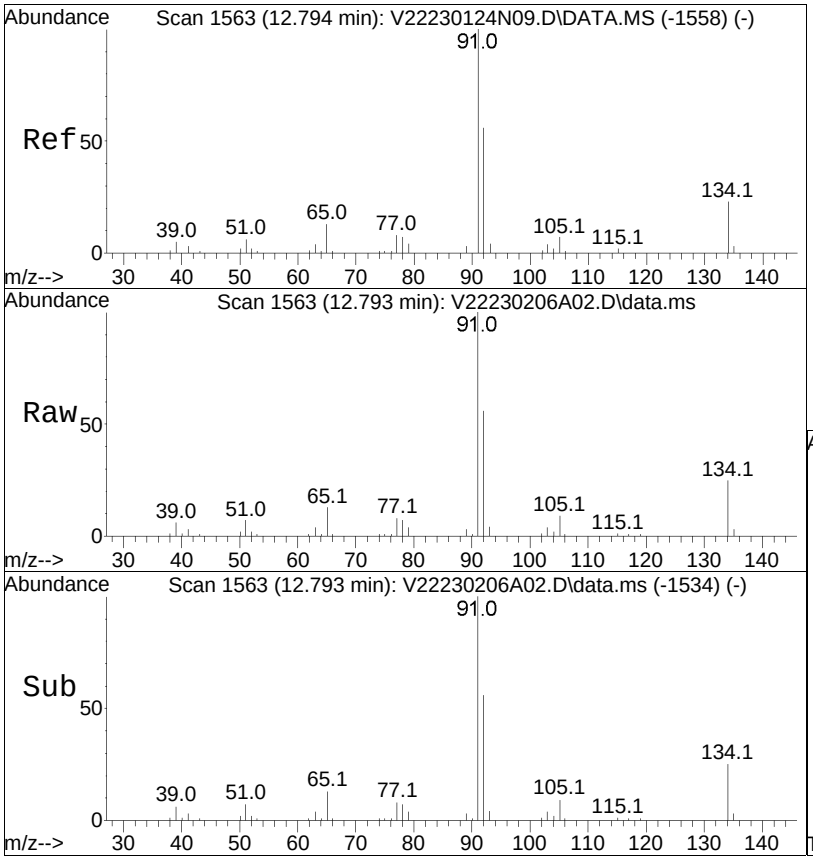


#106
p-Diethylbenzene
Concen: 9.45 ug/L
RT: 12.731 min Scan# 1554
Delta R.T. -0.003 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:119 Resp: 109411

Ion	Ratio	Lower	Upper
119	100		
105	88.9	53.4	110.8
134	43.5	30.9	64.1

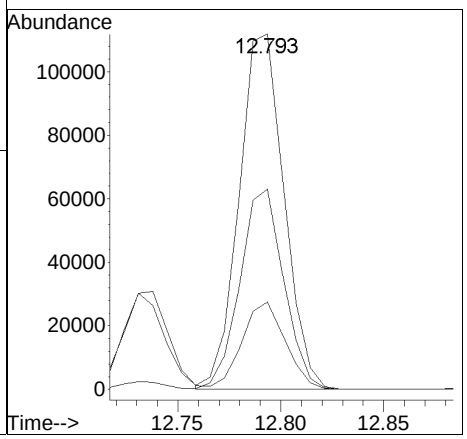


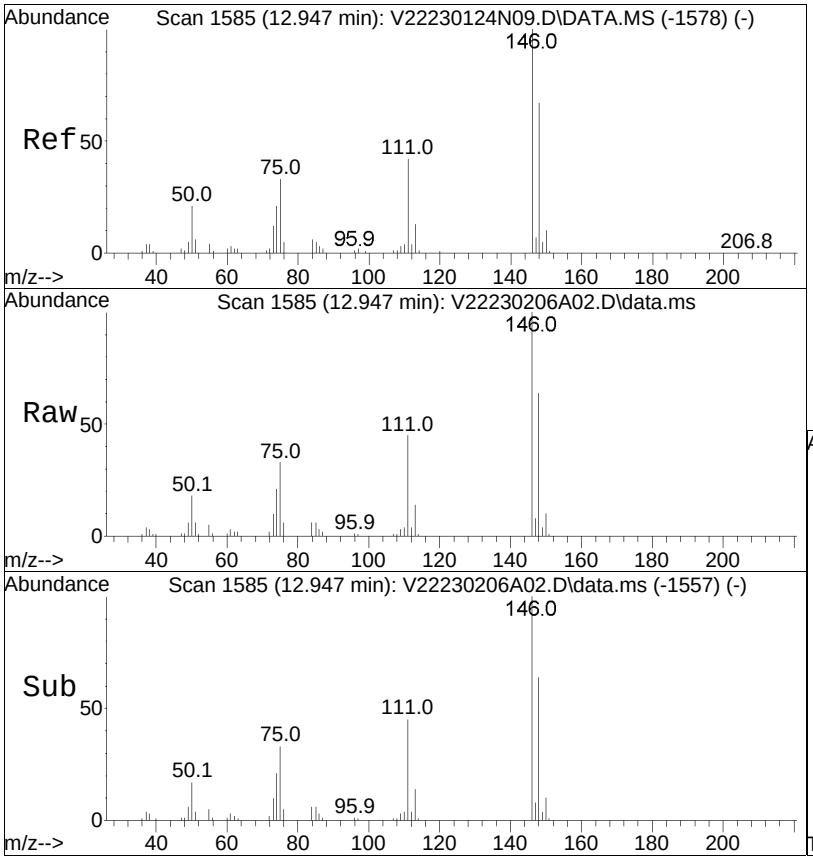


#107
n-Butylbenzene
Concen: 9.57 ug/L
RT: 12.793 min Scan# 1563
Delta R.T. 0.004 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion: 91 Resp: 170110

Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.6	66.8
134	23.6	22.9	34.3

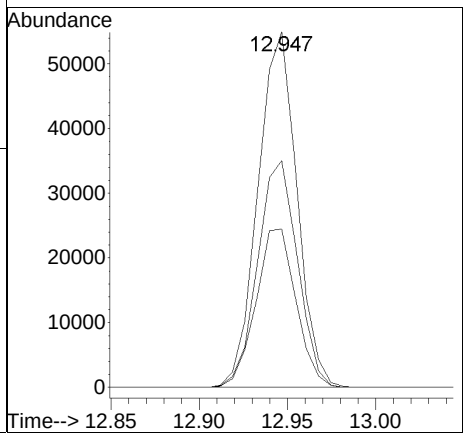


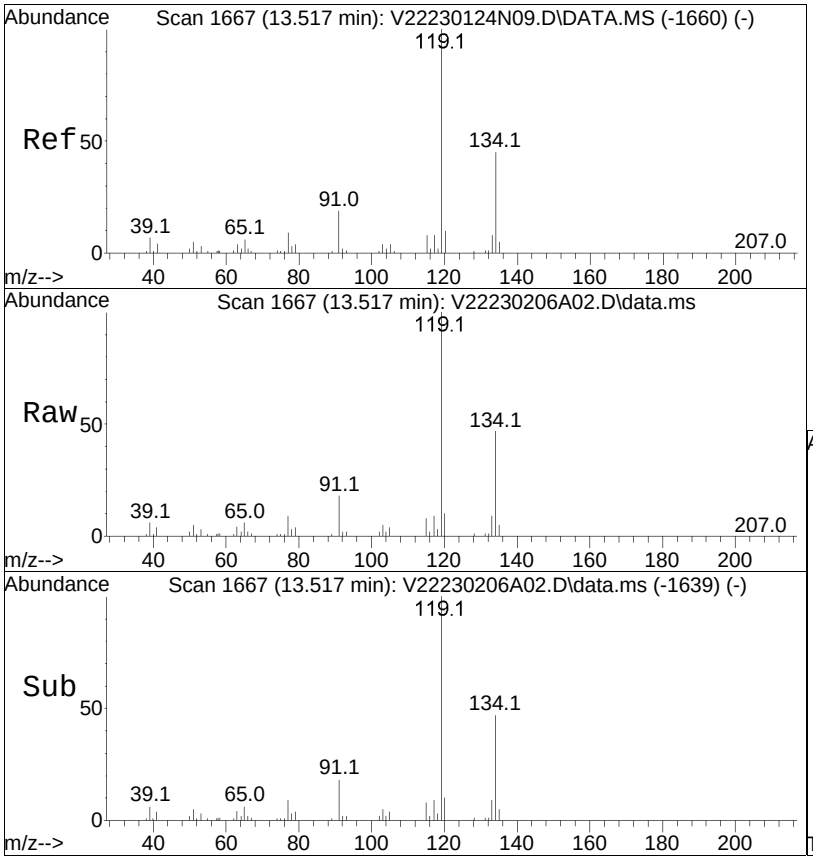


#108
1,2-Dichlorobenzene
Concen: 9.70 ug/L
RT: 12.947 min Scan# 1585
Delta R.T. -0.002 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:146 Resp: 84487

Ion	Ratio	Lower	Upper
146	100		
111	46.0	24.8	51.6
148	65.1	42.2	87.6

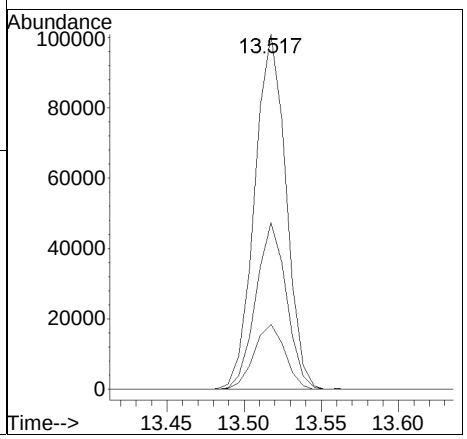


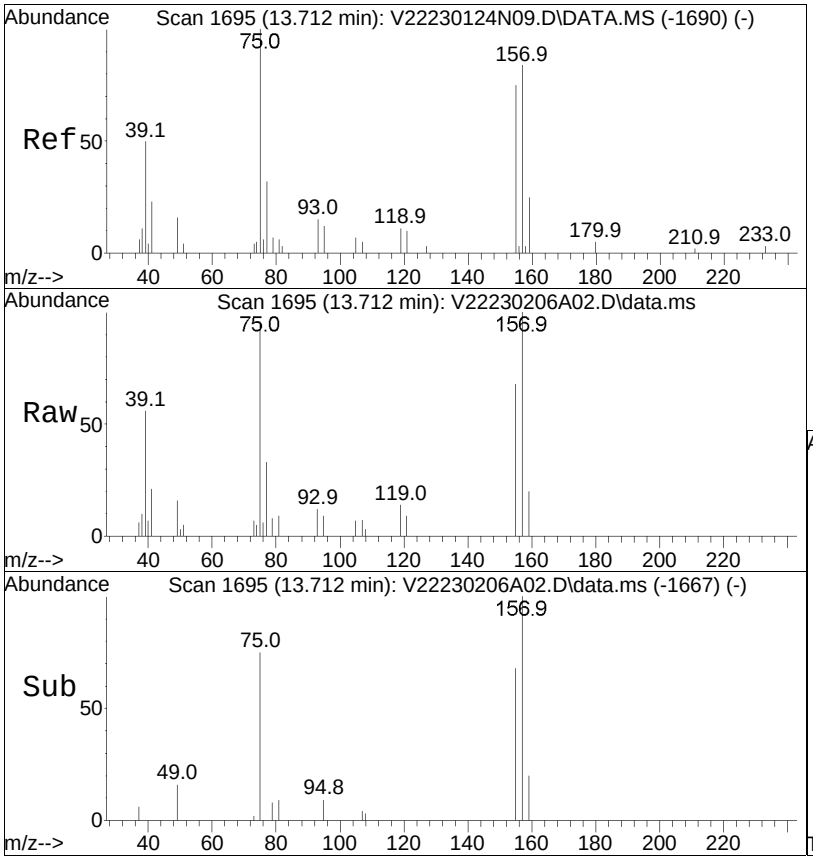


#109
1,2,4,5-Tetramethylbenzene
Concen: 9.31 ug/L
RT: 13.517 min Scan# 1667
Delta R.T. -0.003 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:119 Resp: 142638

Ion	Ratio	Lower	Upper
119	100		
134	45.9	31.9	66.1
91	18.1	9.8	20.3

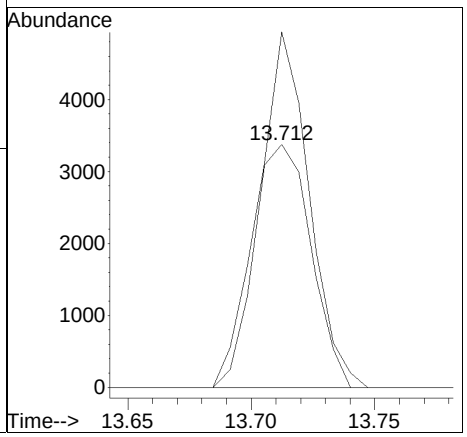


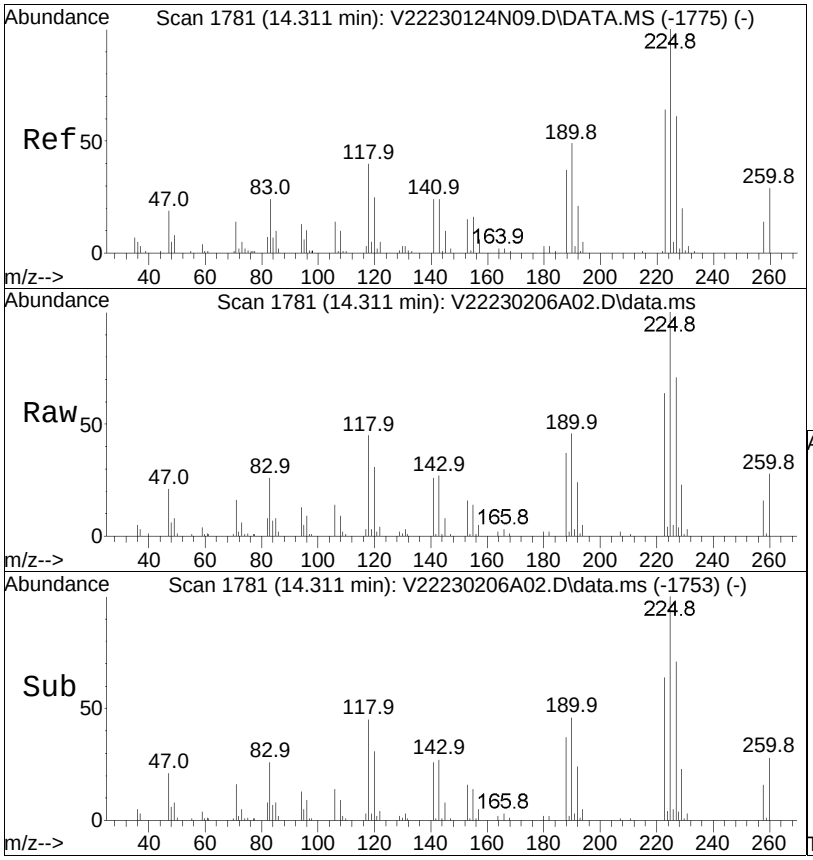


#110
1,2-Dibromo-3-chloropropane
Concen: 10.52 ug/L
RT: 13.712 min Scan# 1695
Delta R.T. -0.003 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:155 Resp: 5442

Ion	Ratio	Lower	Upper
155	100		
157	130.3	102.3	153.5

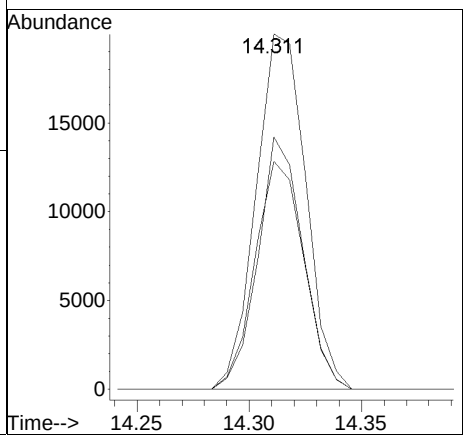


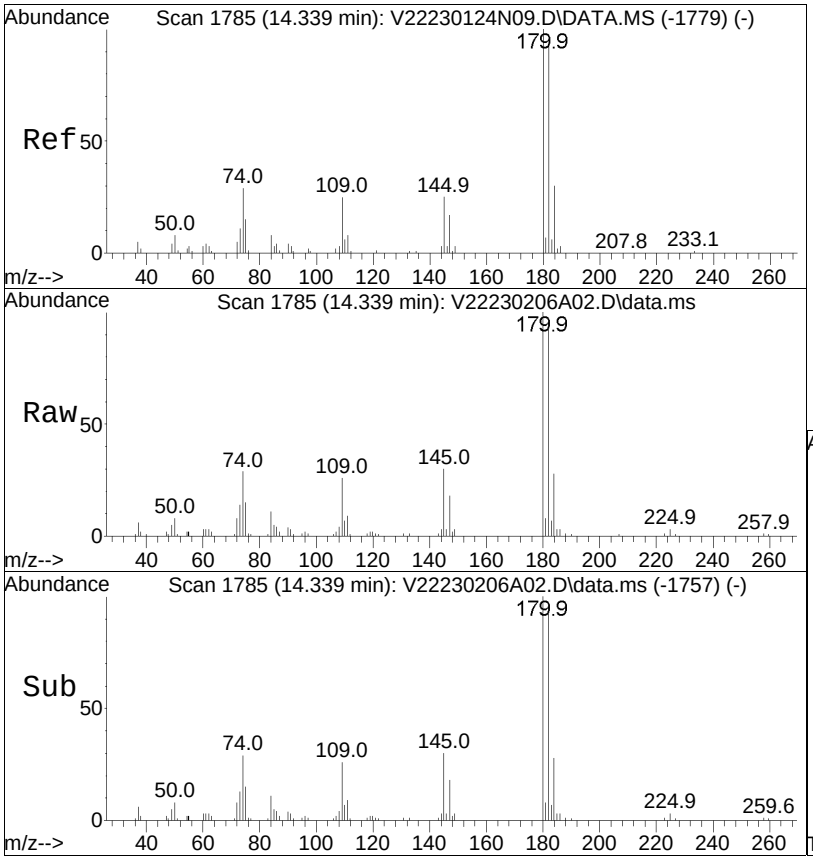


#112
Hexachlorobutadiene
Concen: 9.86 ug/L
RT: 14.311 min Scan# 1781
Delta R.T. -0.003 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:225 Resp: 30847

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.8	74.8
227	64.2	52.2	78.4

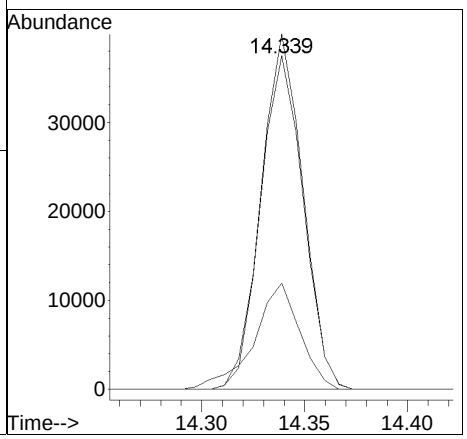


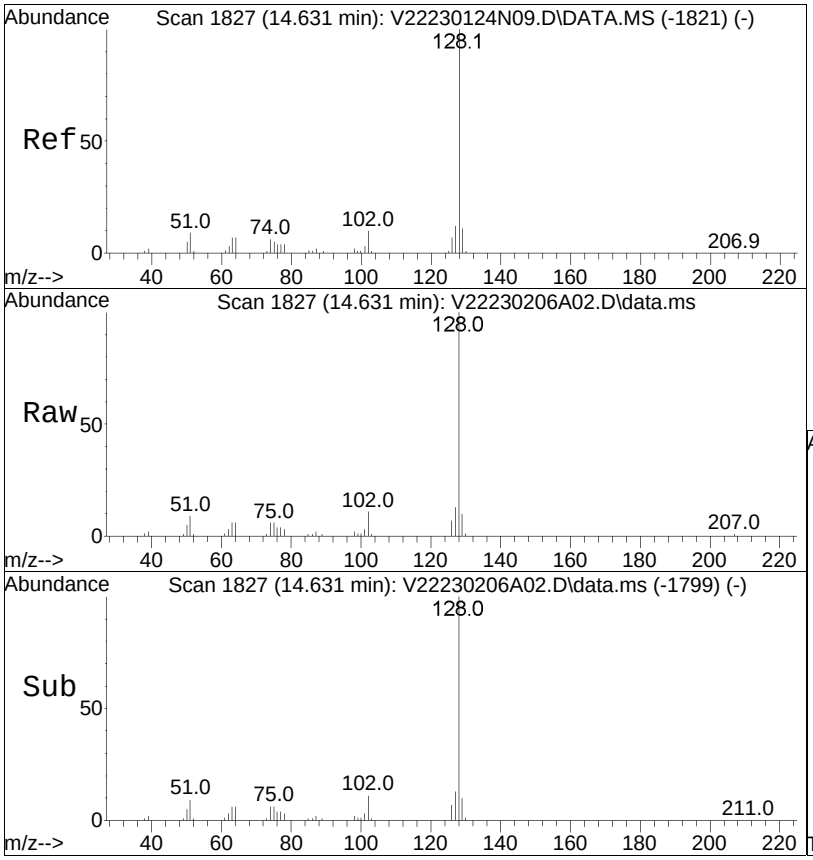


#113
1,2,4-Trichlorobenzene
Concen: 9.82 ug/L
RT: 14.339 min Scan# 1785
Delta R.T. -0.003 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:180 Resp: 56669

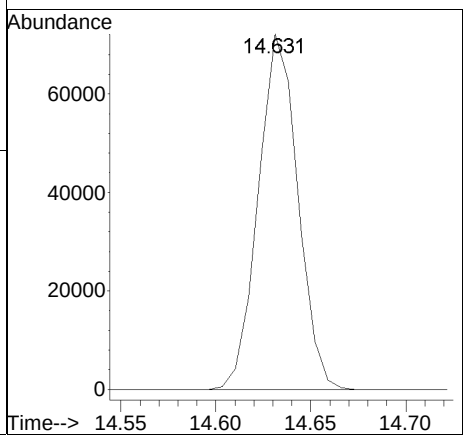
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	114.8
145	32.8	25.5	38.3

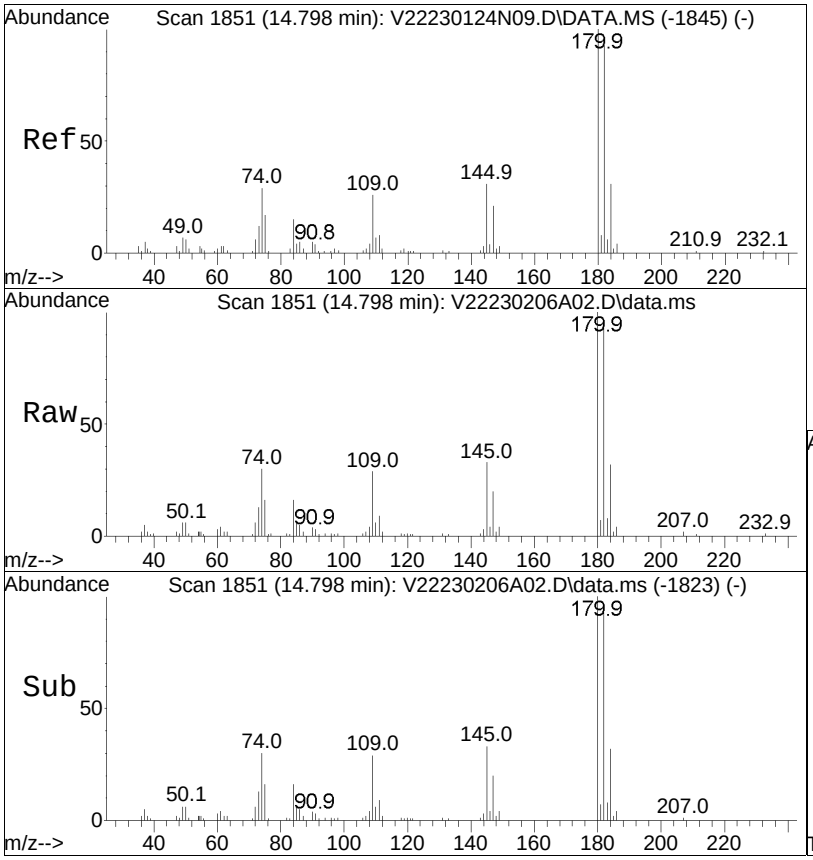




#114
Naphthalene
Concen: 9.66 ug/L
RT: 14.631 min Scan# 1827
Delta R.T. -0.003 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:128 Resp: 104459

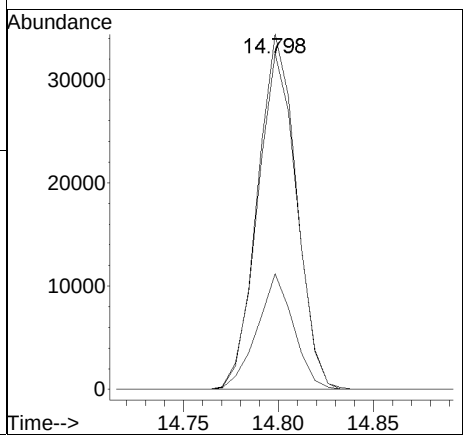




#115
1,2,3-Trichlorobenzene
Concen: 9.83 ug/L
RT: 14.798 min Scan# 1851
Delta R.T. -0.003 min
Lab File: V22230206A02.D
Acq: 06 Feb 2023 08:32 am

Tgt Ion:180 Resp: 48941

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.0	114.0
145	30.6	23.8	35.8

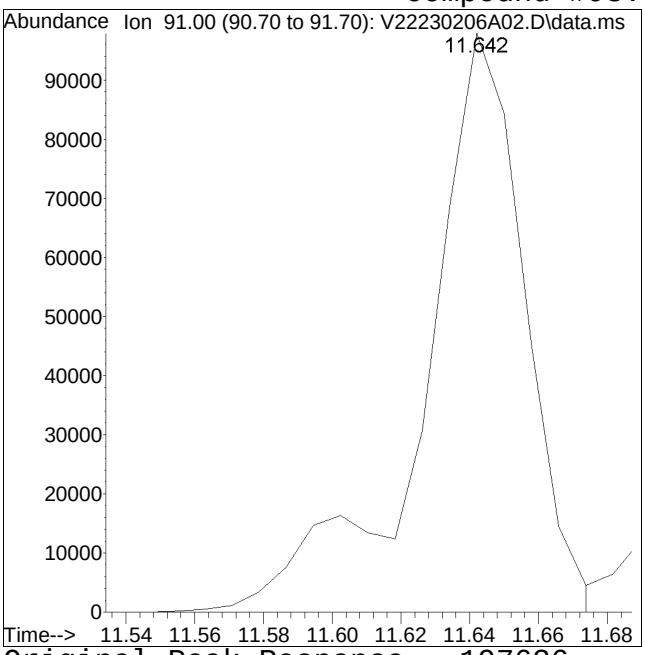


Manual Integration Report

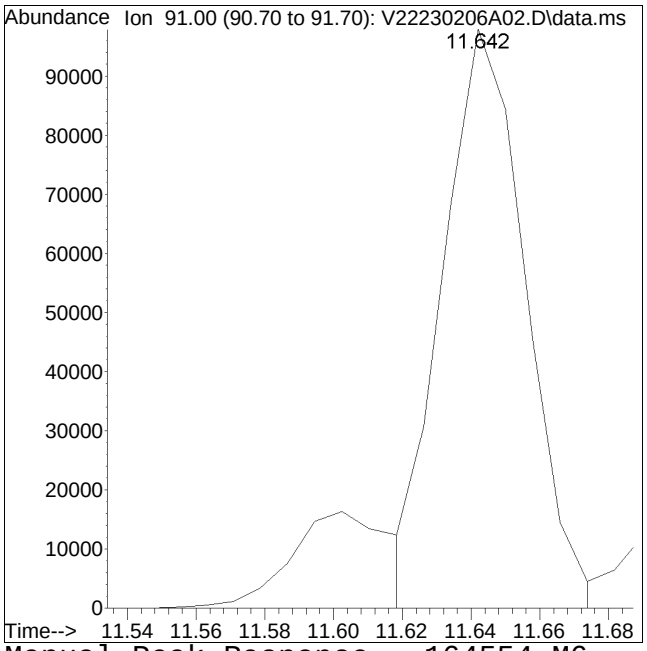
Data Path : I:\VOLATILES\VOA122\2023\2Q
Data File : V22230206A02.D
Date Inj'd : 2/6/2023 8:32 am
Sample : WG1741609-4,31,10,10

Method : V122_230124N_8260.m
Operator : VOA122:PID
Instrument : VOA122
Quant Date : 2/6/2023 9:03 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 197636



Manual Peak Response = 164554 M6

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206A03.D
Acq On : 06 Feb 2023 08:11 am
Operator : VOA111:NLK
Sample : WG1741518-4,31,5,5
Misc : WG1741518,ICAL19665
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 06 08:31:05 2023
Quant Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230206A\V11230206A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	80743	20.000	ug/L	0.00
Standard Area 1 = 81322			Recovery =	99.29%		
59) Chlorobenzene-d5	9.841	117	59042	20.000	ug/L	-0.01
Standard Area 1 = 59466			Recovery =	99.29%		
79) 1,4-Dichlorobenzene-d4	12.489	152	30884	20.000	ug/L	0.00
Standard Area 1 = 31406			Recovery =	98.34%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.431	113	20778	20.065	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.33%		
43) 1,2-Dichloroethane-d4	5.971	65	21030	20.483	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.42%		
60) Toluene-d8	7.979	98	79080	20.663	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	103.32%		
83) 4-Bromofluorobenzene	11.298	95	25039	19.227	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	96.14%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	35739	37.858	ug/L	98
3) Chloromethane	1.897	50	43474	39.416	ug/L	98
4) Vinyl chloride	1.960	62	55822	41.075	ug/L	97
5) Bromomethane	2.296	94	56989	38.172	ug/L	97
6) Chloroethane	2.432	64	26274	43.445	ug/L	96
7) Trichlorofluoromethane	2.584	101	52043	41.757	ug/L	100
8) Ethyl ether	2.904	74	17410	43.337	ug/L #	68
10) 1,1-Dichloroethene	3.109	96	32539	40.326	ug/L	80
11) Carbon disulfide	3.140	76	117189	65.026	ug/L	100
15) Methylene chloride	3.685	84	40444	34.606	ug/L	68
17) Acetone	3.722	43	11780	43.011	ug/L	96
18) trans-1,2-Dichloroethene	3.848	96	38354	39.876	ug/L	82
20) Methyl tert-butyl ether	3.947	73	93007	41.013	ug/L	85
23) 1,1-Dichloroethane	4.451	63	69284	39.834	ug/L	96
25) Acrylonitrile	4.488	53	9963	43.213	ug/L	96
27) Vinyl acetate	4.687	43	82095	43.101	ug/L #	92
28) cis-1,2-Dichloroethene	4.986	96	42575	39.072	ug/L #	82
29) 2,2-Dichloropropane	5.090	77	58311	40.963	ug/L	89
30) Bromochloromethane	5.180	128	19858	39.228	ug/L #	69
32) Chloroform	5.253	83	73281	39.975	ug/L	95

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206A03.D
Acq On : 06 Feb 2023 08:11 am
Operator : VOA111:NLK
Sample : WG1741518-4,31,5,5
Misc : WG1741518,ICAL19665
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 06 08:31:05 2023
Quant Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230206A\V11230206A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	5.400	117	50392	40.201	ug/L		98
37) 1,1,1-Trichloroethane	5.468	97	55782	40.868	ug/L		98
39) 2-Butanone	5.547	43	15092	42.425	ug/L		97
40) 1,1-Dichloropropene	5.589	75	48126	40.624	ug/L		99
41) Benzene	5.840	78	150784	39.520	ug/L		89
44) 1,2-Dichloroethane	6.045	62	49547	38.319	ug/L		97
48) Trichloroethene	6.443	95	40644	41.545	ug/L		97
50) Dibromomethane	6.889	93	24156	39.681	ug/L		95
51) 1,2-Dichloropropane	6.994	63	39754	39.750	ug/L		98
54) Bromodichloromethane	7.067	83	55198	39.457	ug/L		100
57) 1,4-Dioxane	7.277	88	15978	2002.859	ug/L	#	73
58) cis-1,3-Dichloropropene	7.764	75	64413	40.480	ug/L		89
61) Toluene	8.042	92	91582	40.133	ug/L		94
62) 4-Methyl-2-pentanone	8.467	58	11044	37.521	ug/L	#	85
63) Tetrachloroethene	8.493	166	36471	41.576	ug/L		97
65) trans-1,3-Dichloropropene	8.514	75	58879	41.486	ug/L		84
68) 1,1,2-Trichloroethane	8.708	83	27941	41.210	ug/L		99
69) Chlorodibromomethane	8.923	129	38647	40.416	ug/L		96
70) 1,3-Dichloropropane	9.033	76	55913	40.804	ug/L		100
71) 1,2-Dibromoethane	9.206	107	32140	42.128	ug/L		99
72) 2-Hexanone	9.479	43	21205	43.107	ug/L		94
73) Chlorobenzene	9.867	112	105501	39.576	ug/L	#	89
74) Ethylbenzene	9.904	91	176162	40.974	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.946	131	38789	42.455	ug/L		98
76) p/m Xylene	10.092	106	137201	83.774	ug/L		100
77) o Xylene	10.617	106	134944	85.253	ug/L		99
78) Styrene	10.680	104	233265	87.275	ug/L		95
80) Bromoform	10.701	173	24492	39.668	ug/L		100
82) Isopropylbenzene	10.989	105	173061	41.363	ug/L		100
84) Bromobenzene	11.414	156	43934	39.436	ug/L		99
85) n-Propylbenzene	11.456	91	216814	41.462	ug/L		98
87) 1,1,2,2-Tetrachloroethane	11.529	83	42740	40.779	ug/L		98
88) 4-Ethyltoluene	11.576	105	177411	42.330	ug/L		100
89) 2-Chlorotoluene	11.618	91	123985	40.421	ug/L		91
90) 1,3,5-Trimethylbenzene	11.671	105	147766	41.423	ug/L		100
91) 1,2,3-Trichloropropane	11.665	75	33068	40.222	ug/L		98
92) trans-1,4-Dichloro-2-b...	11.718	53	12564	45.882	ug/L	#	77
93) 4-Chlorotoluene	11.796	91	129162	40.515	ug/L		99
94) tert-Butylbenzene	12.006	119	124119	41.212	ug/L		98

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206A03.D
Acq On : 06 Feb 2023 08:11 am
Operator : VOA111:NLK
Sample : WG1741518-4,31,5,5
Misc : WG1741518,ICAL19665
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 06 08:31:05 2023
Quant Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230206A\V11230206A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	12.085	105	148483	41.806	ug/L	99
98) sec-Butylbenzene	12.195	105	193832	42.510	ug/L	98
99) p-Isopropyltoluene	12.347	119	164906	42.382	ug/L	98
100) 1,3-Dichlorobenzene	12.410	146	87119	40.383	ug/L	100
101) 1,4-Dichlorobenzene	12.504	146	88550	39.962	ug/L	99
102) p-Diethylbenzene	12.714	119	100337	42.944	ug/L	99
103) n-Butylbenzene	12.772	91	157792	43.971	ug/L	98
104) 1,2-Dichlorobenzene	12.924	146	82138	40.228	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.495	119	151295	41.460	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.689	155	6068	39.199	ug/L	94
108) Hexachlorobutadiene	14.297	225	25813	40.745	ug/L	99
109) 1,2,4-Trichlorobenzene	14.318	180	53932	41.894	ug/L	99
110) Naphthalene	14.612	128	112942	40.809	ug/L	100
111) 1,2,3-Trichlorobenzene	14.780	180	46314	43.091	ug/L	98

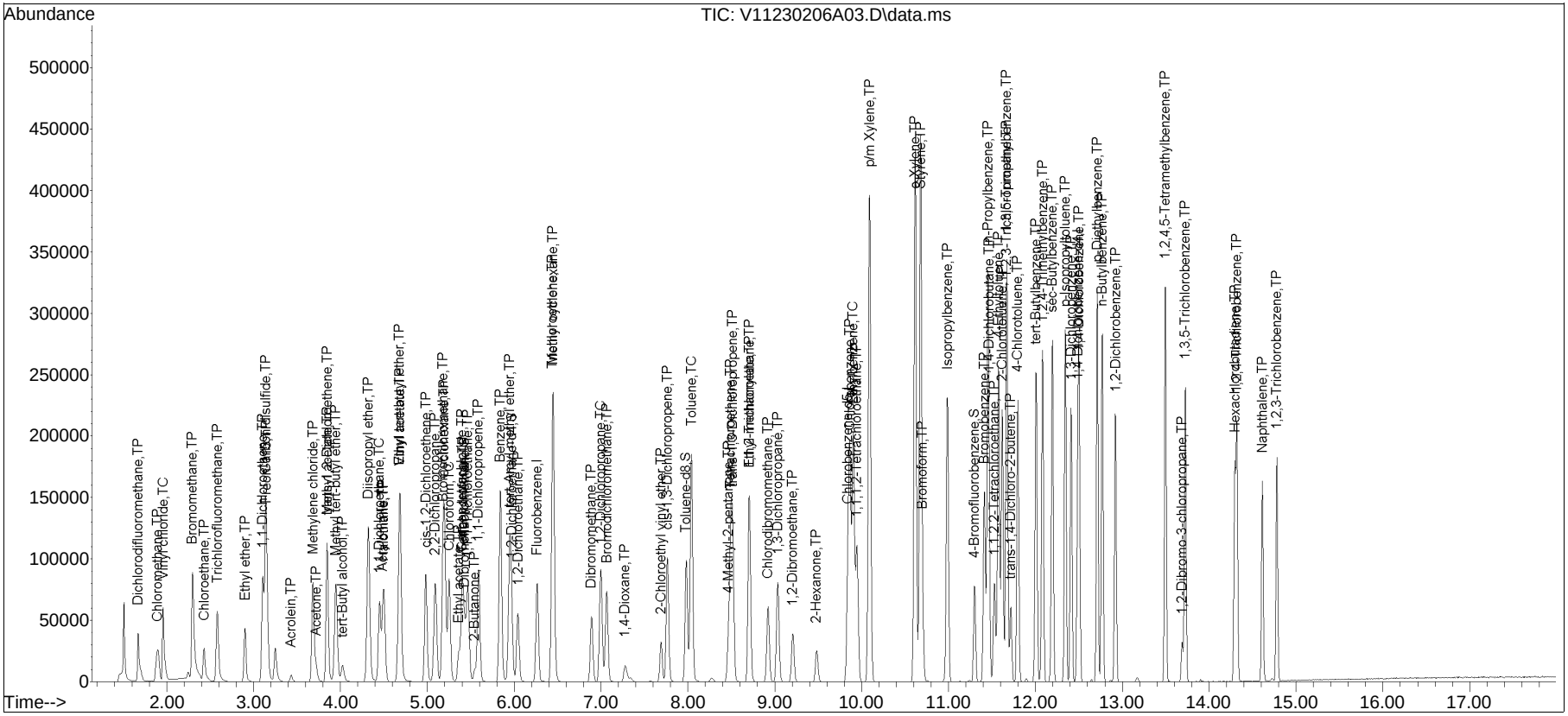
(#) = qualifier out of range (m) = manual integration (+) = signals summed

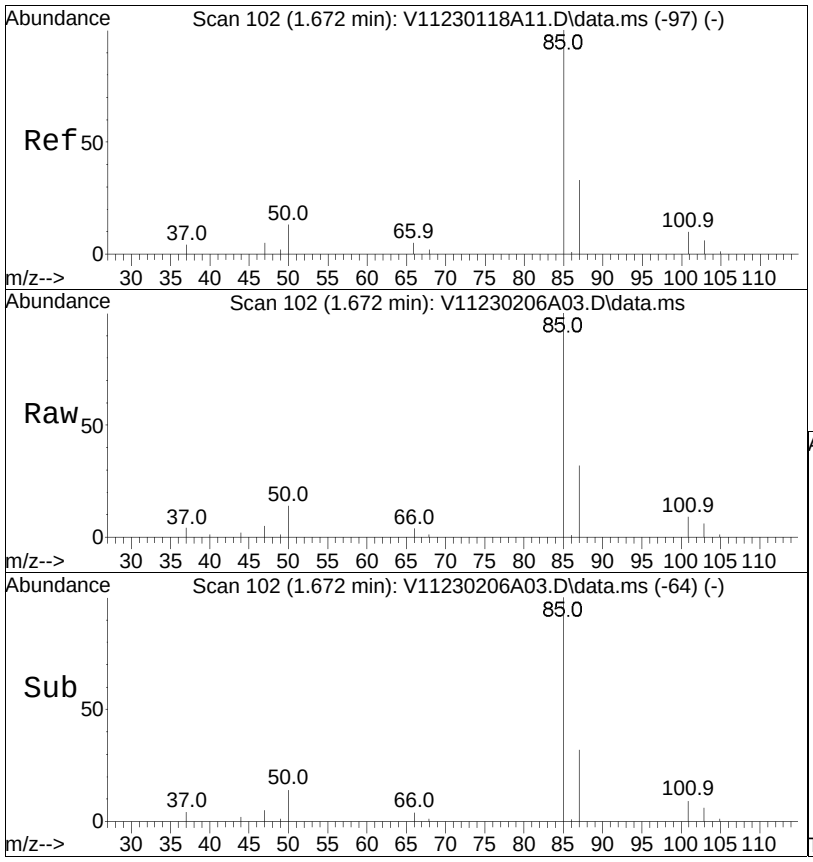
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230206A\
Data File : V11230206A03.D
Acq On : 06 Feb 2023 08:11 am
Operator : VOA111:NLK
Sample : WG1741518-4,31,5,5
Misc : WG1741518,ICAL19665
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 06 08:31:05 2023
Quant Method : I:\VOLATILES\VOA111\2023\230206A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox6A\\V11230206A01.D•

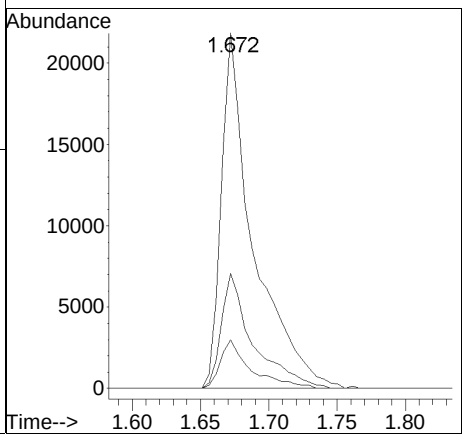


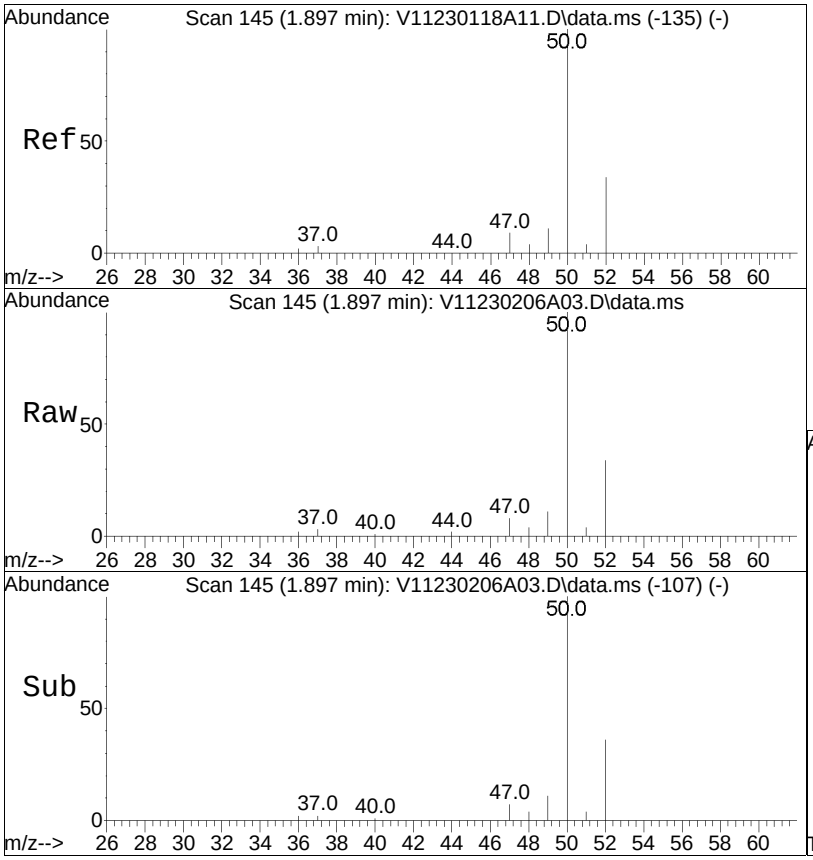


#2
Dichlorodifluoromethane
Concen: 37.86 ug/L
RT: 1.672 min Scan# 102
Delta R.T. -0.000 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 85 Resp: 35739

Ion	Ratio	Lower	Upper
85	100		
87	32.0	20.7	43.1
50	13.0	9.8	20.3

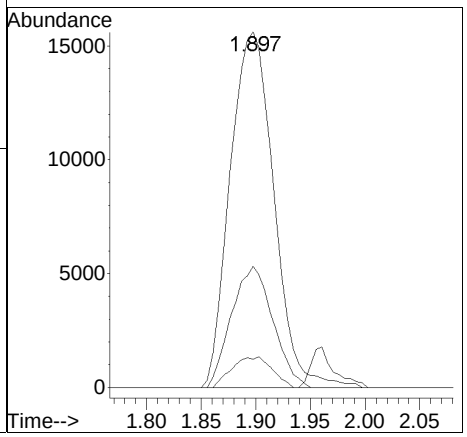


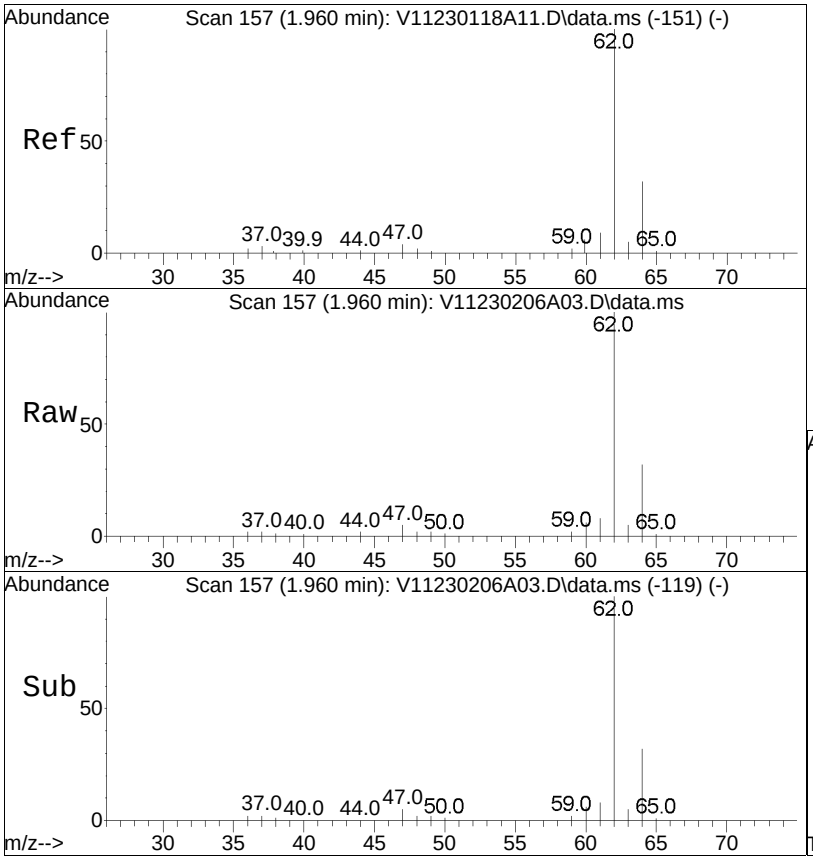


#3
Chloromethane
Concen: 39.42 ug/L
RT: 1.897 min Scan# 145
Delta R.T. 0.000 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 50 Resp: 43474

Ion	Ratio	Lower	Upper
50	100		
52	32.2	10.9	50.9
47	7.9	0.0	27.2

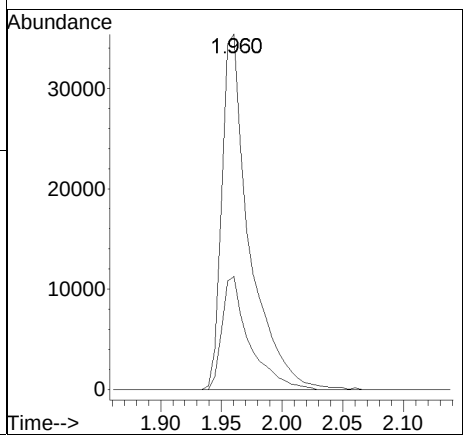


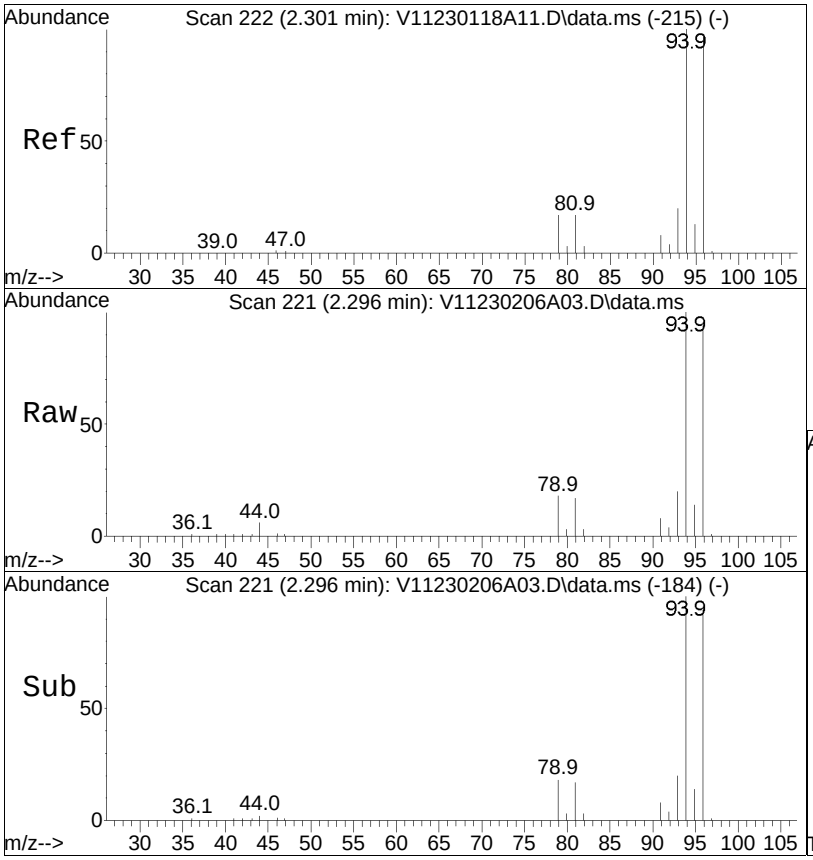


#4
Vinyl chloride
Concen: 41.08 ug/L
RT: 1.960 min Scan# 157
Delta R.T. 0.000 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 62 Resp: 55822

Ion	Ratio	Lower	Upper
62	100		
64	31.5	9.9	49.9

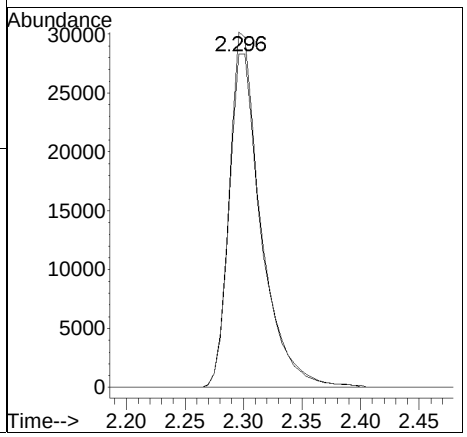


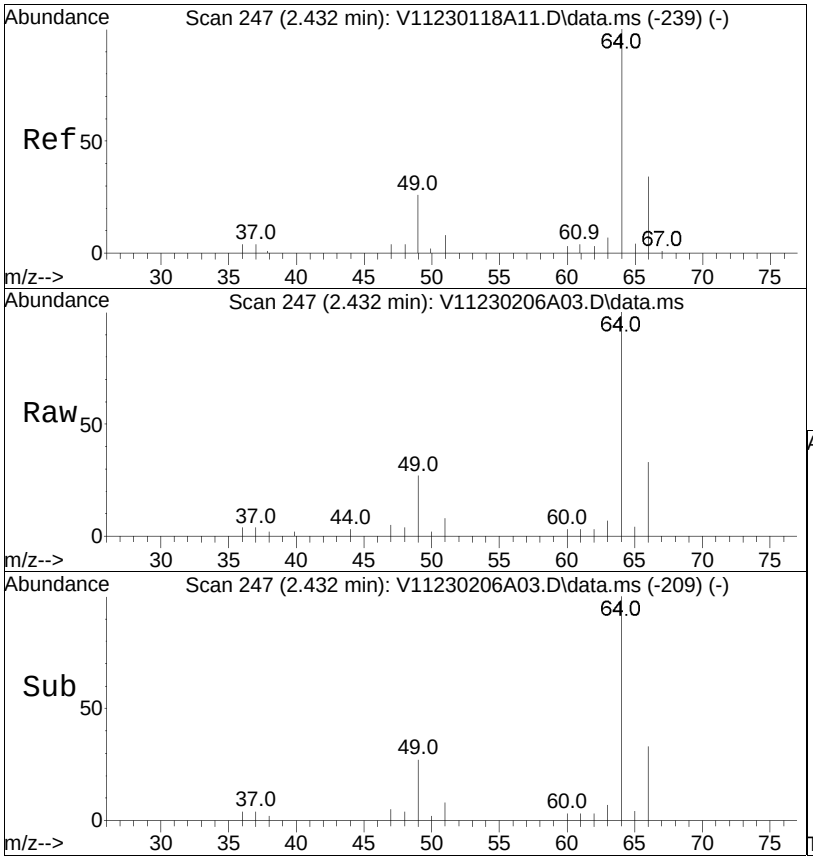


#5
Bromomethane
Concen: 38.17 ug/L
RT: 2.296 min Scan# 221
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 94 Resp: 56989

Ion	Ratio	Lower	Upper
94	100		
96	95.3	72.6	112.6

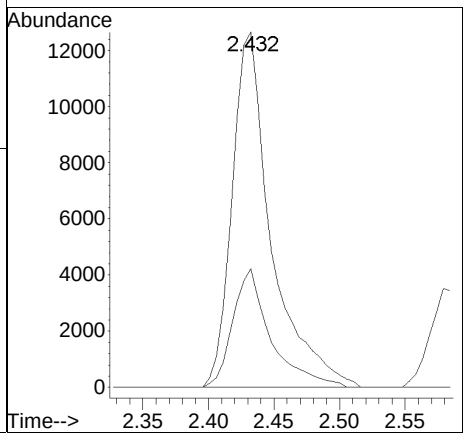


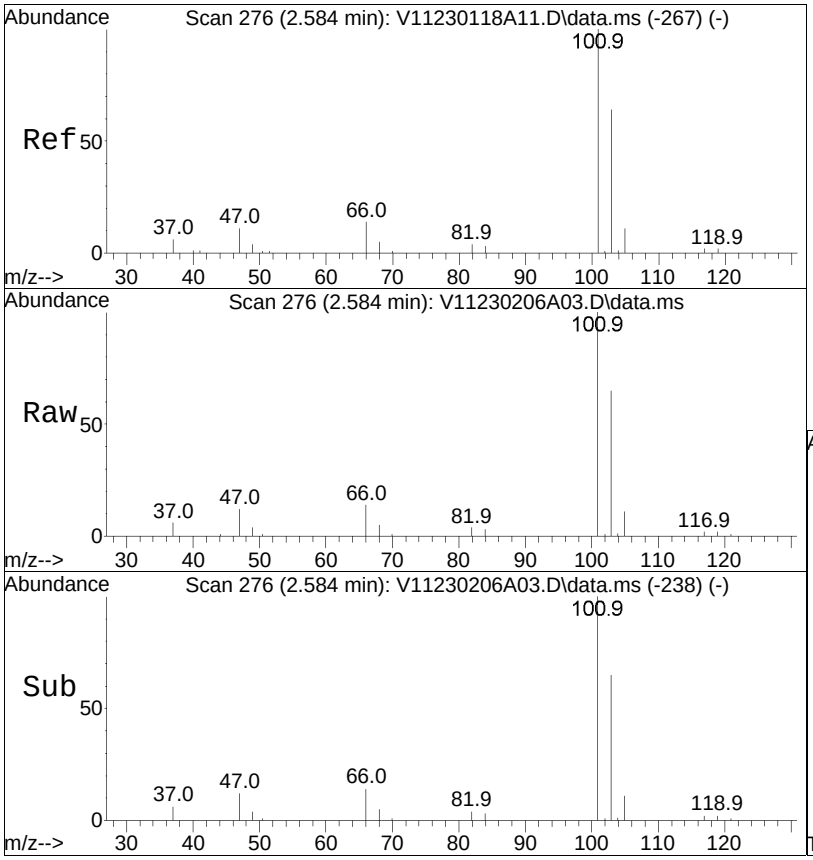


#6
Chloroethane
Concen: 43.45 ug/L
RT: 2.432 min Scan# 247
Delta R.T. 0.000 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 64 Resp: 26274

Ion	Ratio	Lower	Upper
64	100		
66	32.5	10.2	50.2

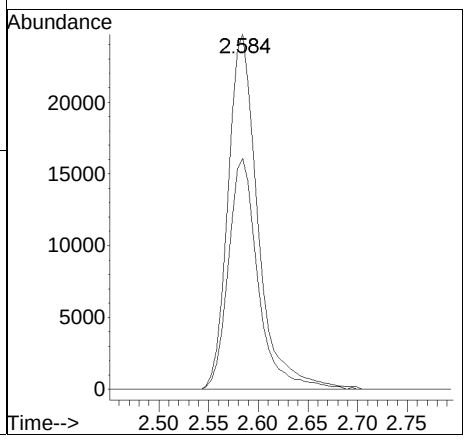


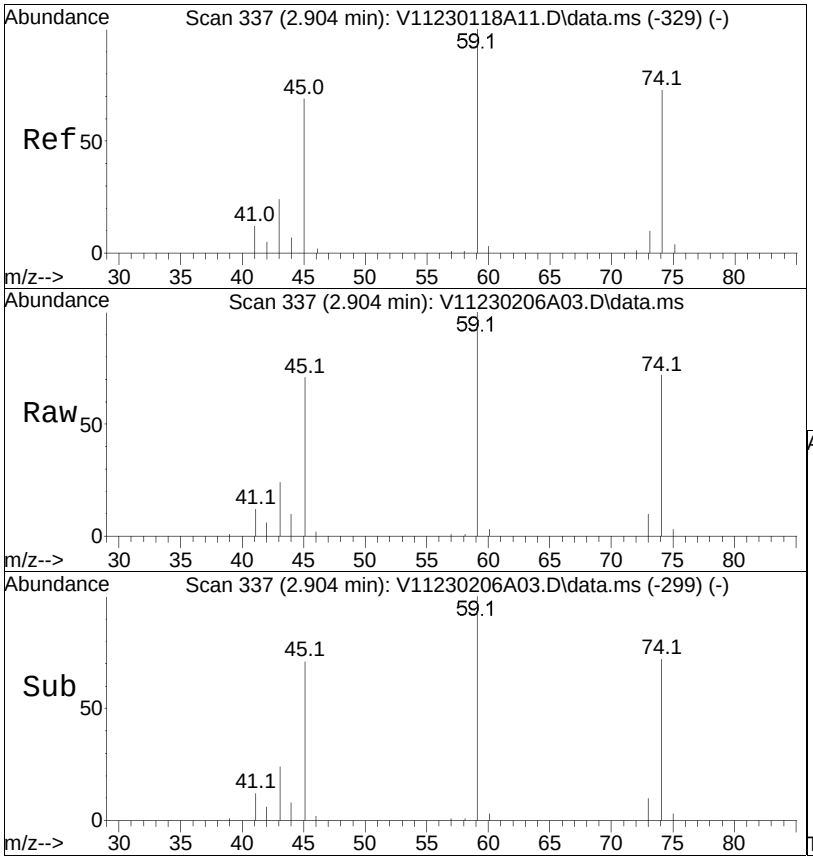


#7
Trichlorofluoromethane
Concen: 41.76 ug/L
RT: 2.584 min Scan# 276
Delta R.T. 0.000 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:101 Resp: 52043

Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.8	77.6

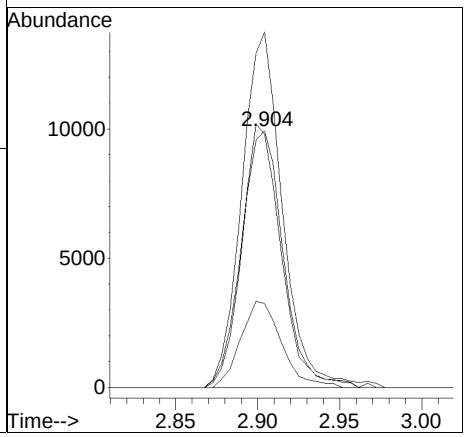


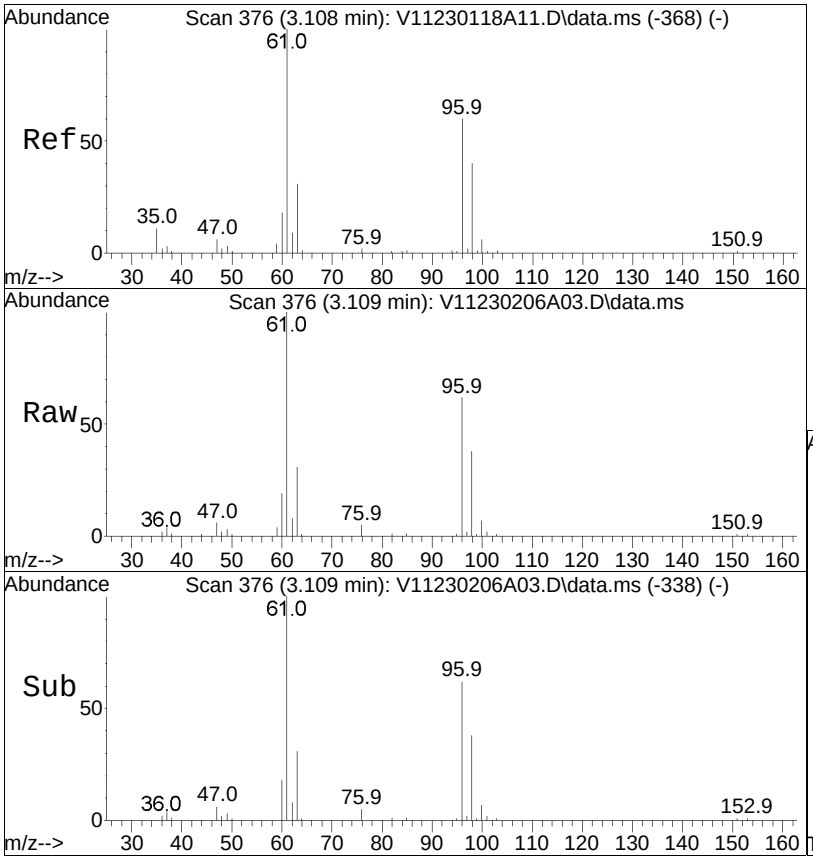


#8
Ethyl ether
Concen: 43.34 ug/L
RT: 2.904 min Scan# 337
Delta R.T. 0.000 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 74 Resp: 17410

Ion	Ratio	Lower	Upper
74	100		
59	136.6	113.5	235.7
45	99.7	100.4	208.4#
43	33.2	27.1	56.3

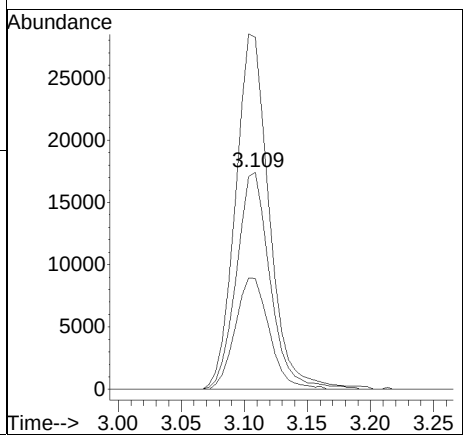


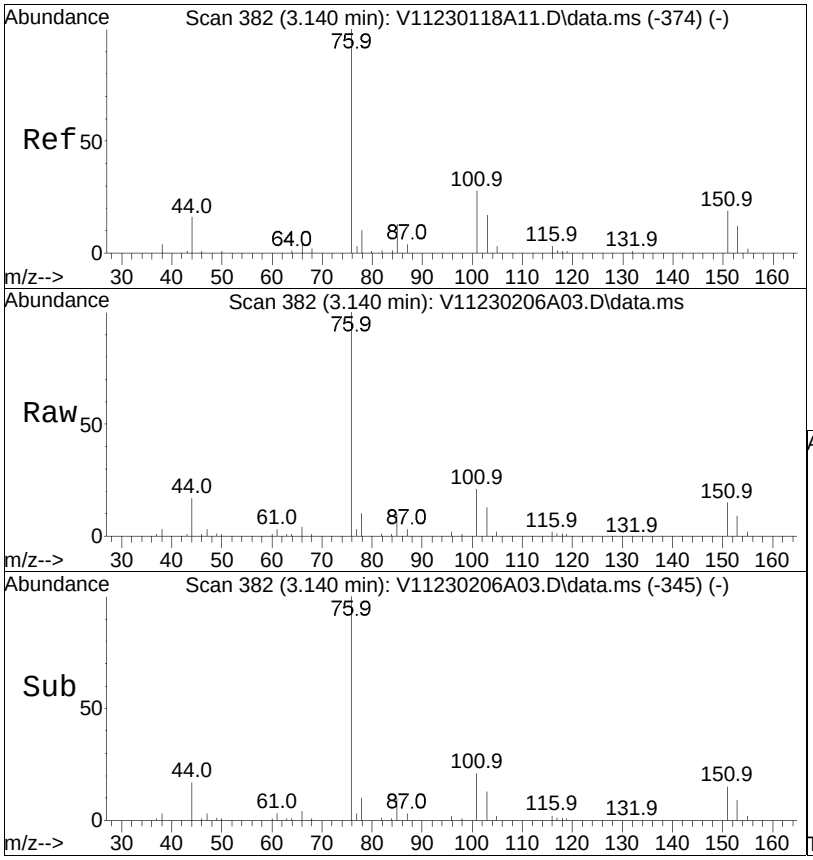


#10
1,1-Dichloroethene
Concen: 40.33 ug/L
RT: 3.109 min Scan# 376
Delta R.T. 0.001 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 96 Resp: 32539

Ion	Ratio	Lower	Upper
96	100		
61	163.7	157.7	236.5
63	51.9	47.9	71.9

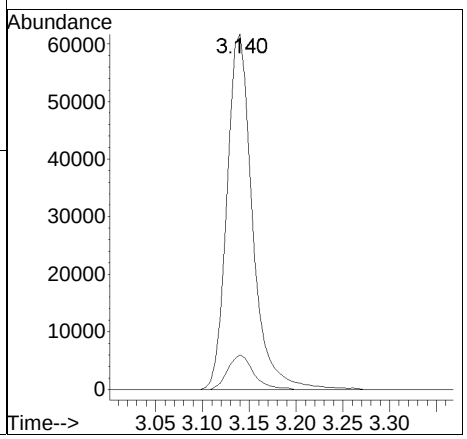


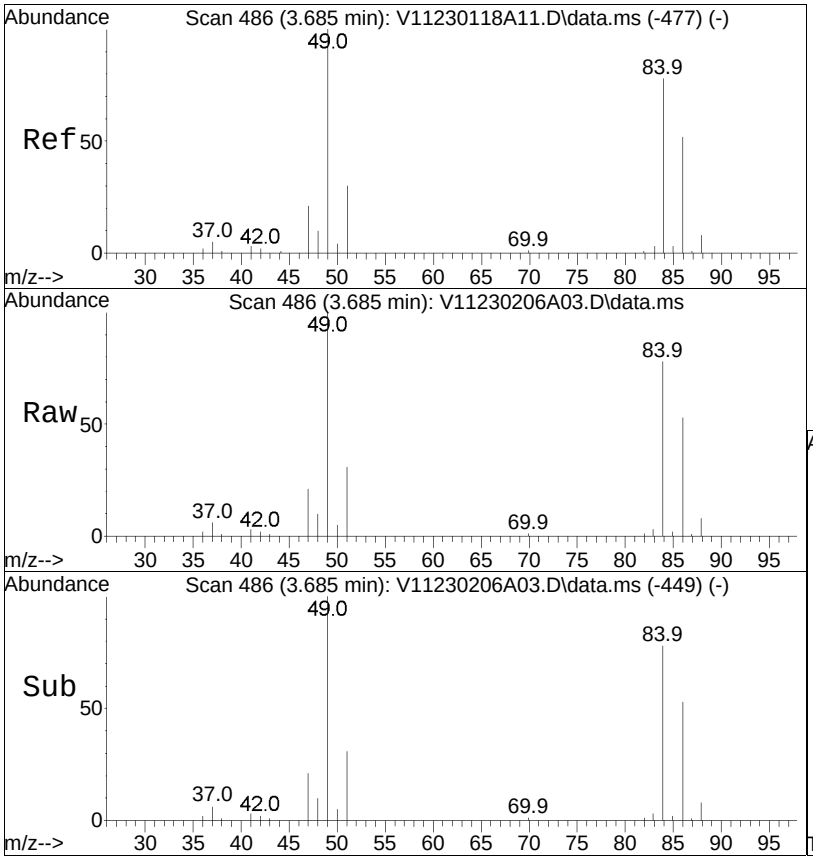


#11
Carbon disulfide
Concen: 65.03 ug/L
RT: 3.140 min Scan# 382
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 76 Resp: 117189

Ion	Ratio	Lower	Upper
76	100		
78	9.7	6.4	13.4

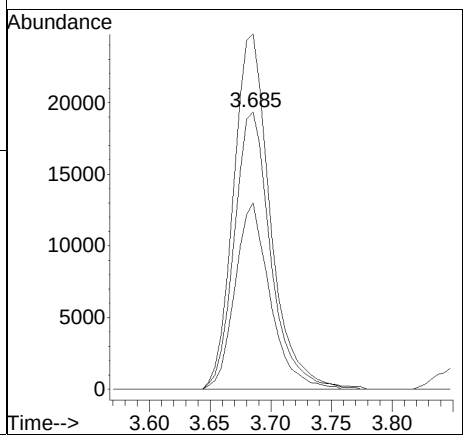


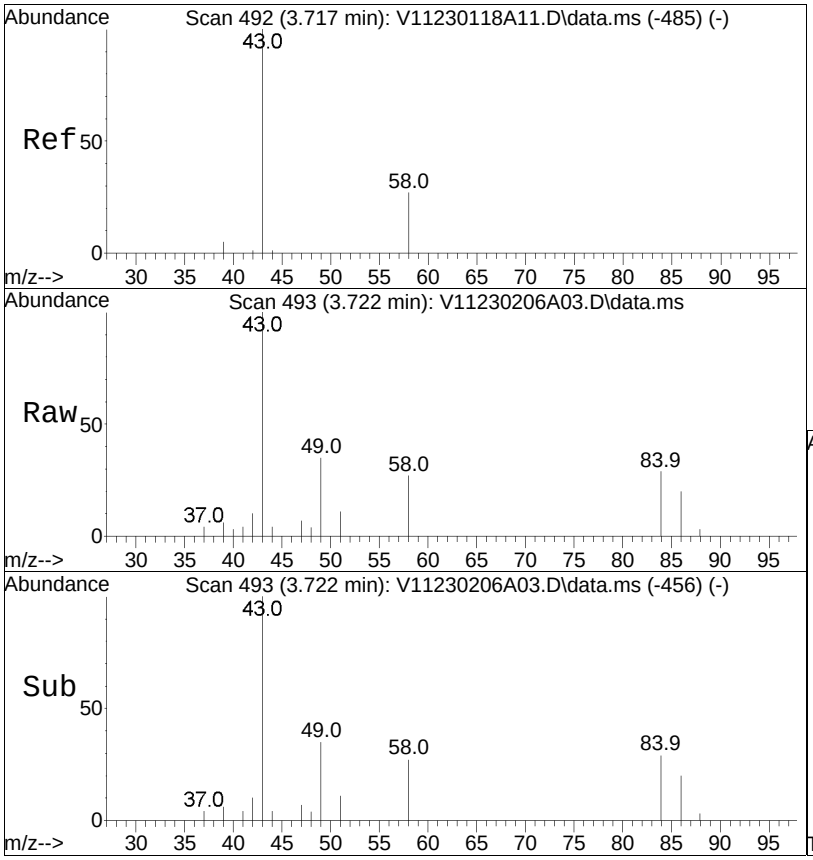


#15
Methylene chloride
Concen: 34.61 ug/L
RT: 3.685 min Scan# 486
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 84 Resp: 40444

Ion	Ratio	Lower	Upper
84	100		
86	64.9	41.1	85.3
49	129.5	124.2	258.0

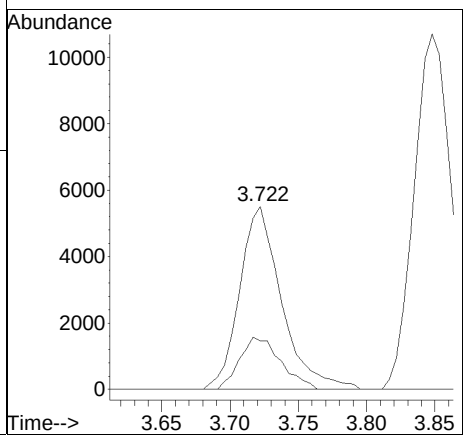


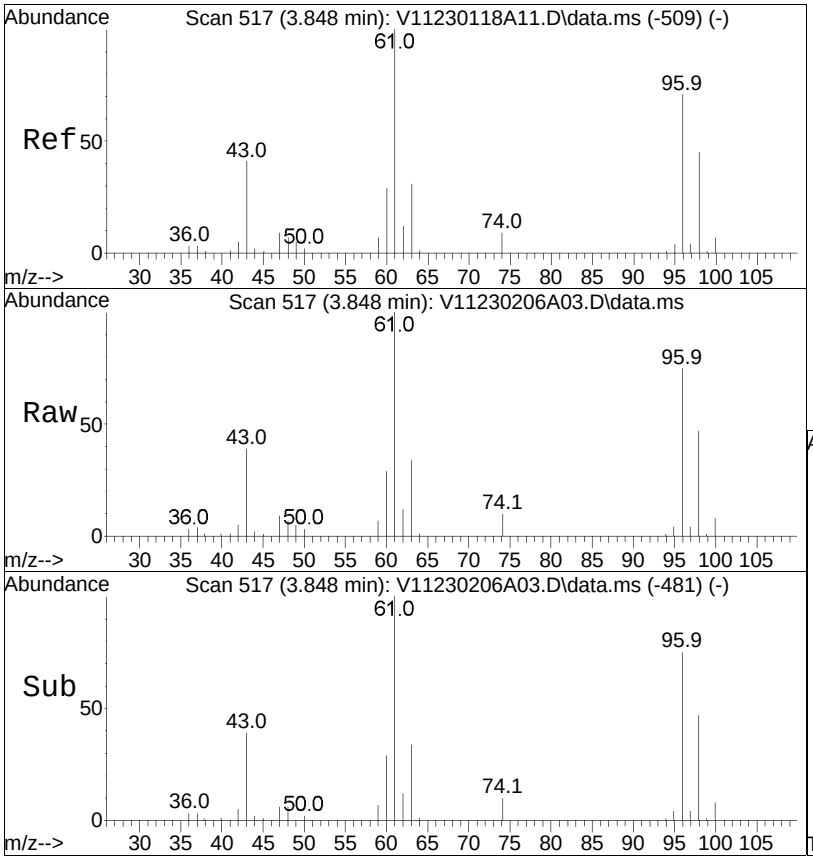


#17
Acetone
Concen: 43.01 ug/L
RT: 3.722 min Scan# 493
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 43 Resp: 11780

Ion	Ratio	Lower	Upper
43	100		
58	28.0	20.8	31.2

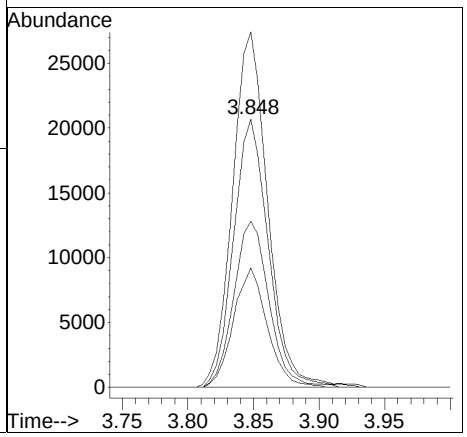


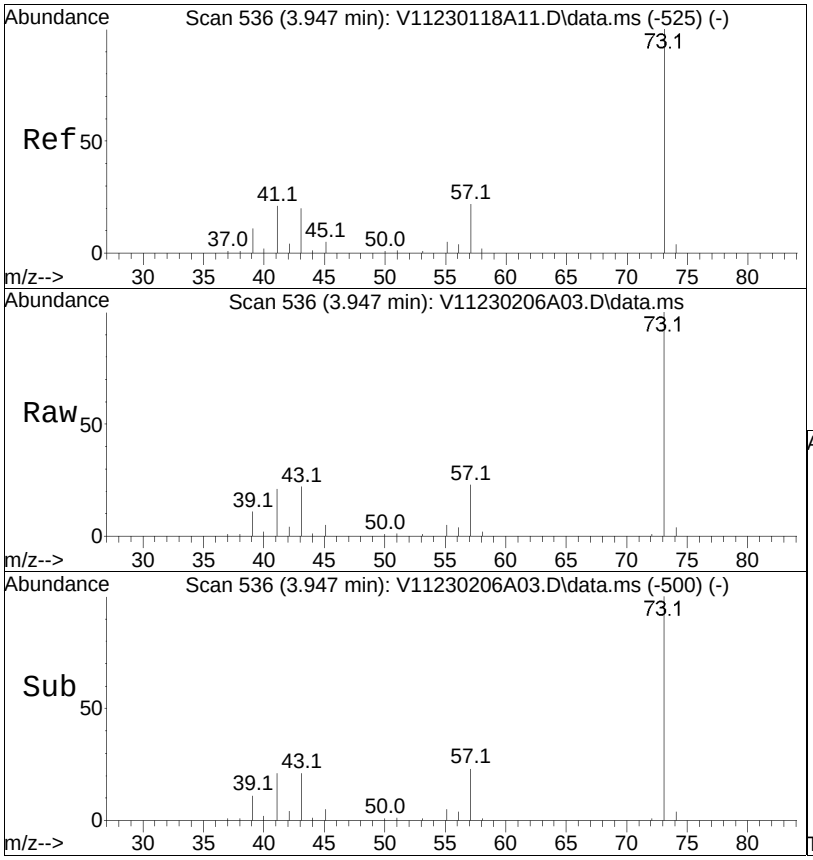


#18
trans-1,2-Dichloroethene
Concen: 39.88 ug/L
RT: 3.848 min Scan# 517
Delta R.T. -0.010 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 96 Resp: 38354

Ion	Ratio	Lower	Upper
96	100		
61	134.3	111.1	230.8
98	62.6	41.8	86.8
63	43.2	33.3	69.1

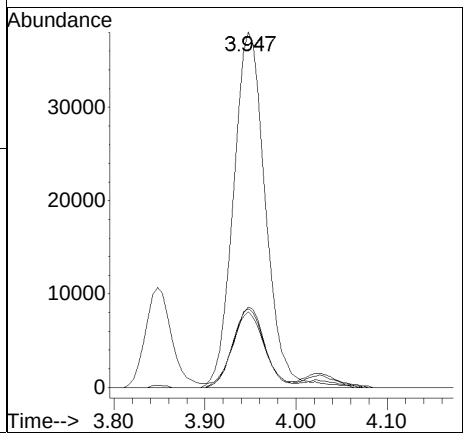


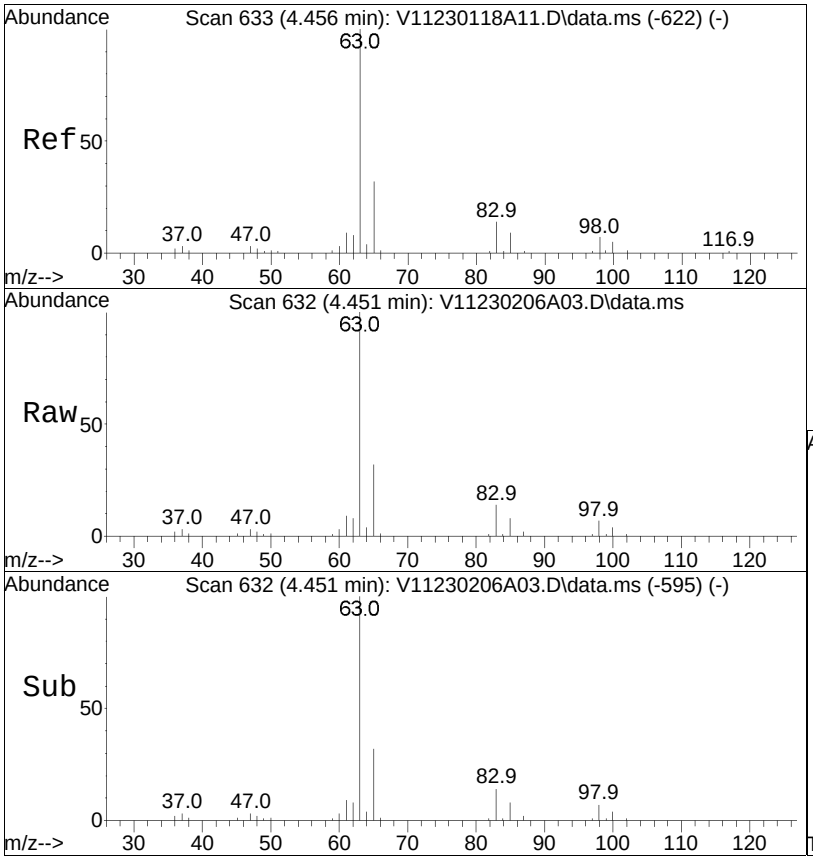


#20
Methyl tert-butyl ether
Concen: 41.01 ug/L
RT: 3.947 min Scan# 536
Delta R.T. -0.011 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 73 Resp: 93007

Ion	Ratio	Lower	Upper
73	100		
57	22.5	19.6	40.6
43	22.4	18.5	38.3
41	20.9	20.3	42.1

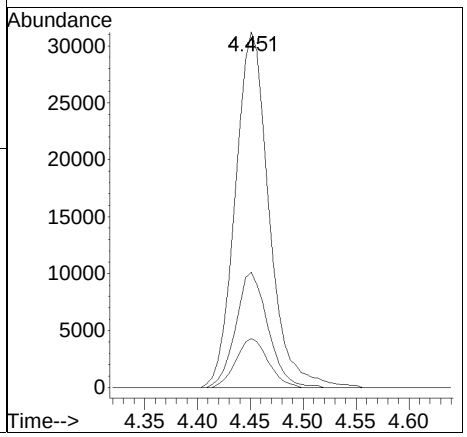


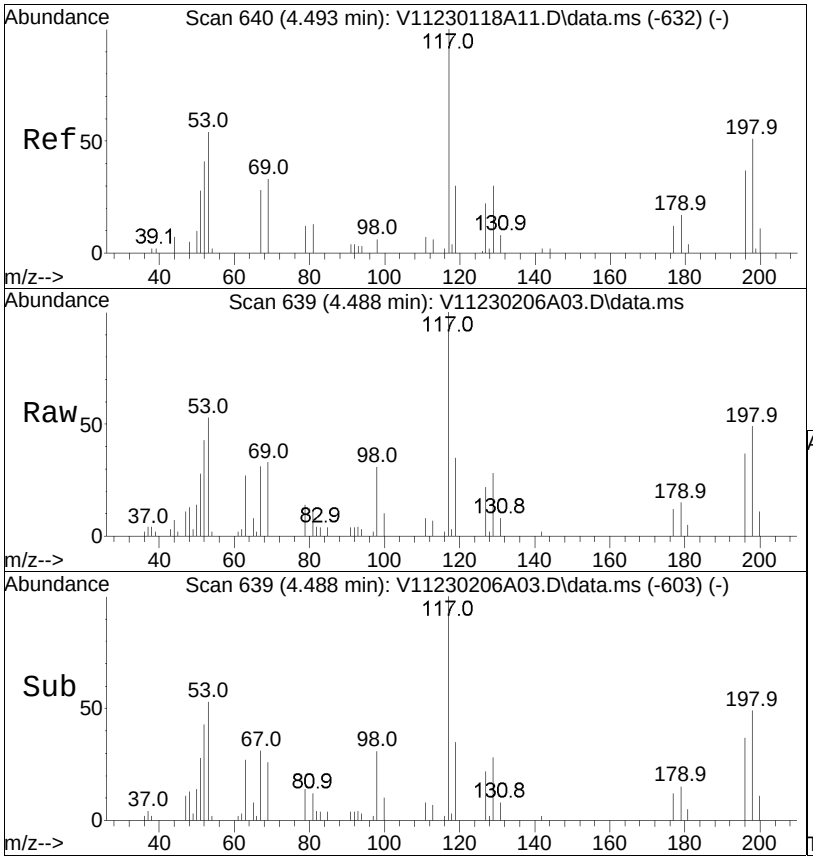


#23
1,1-Dichloroethane
Concen: 39.83 ug/L
RT: 4.451 min Scan# 632
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 63 Resp: 69284

Ion	Ratio	Lower	Upper
63	100		
65	30.9	9.0	49.0
83	13.1	0.0	31.4

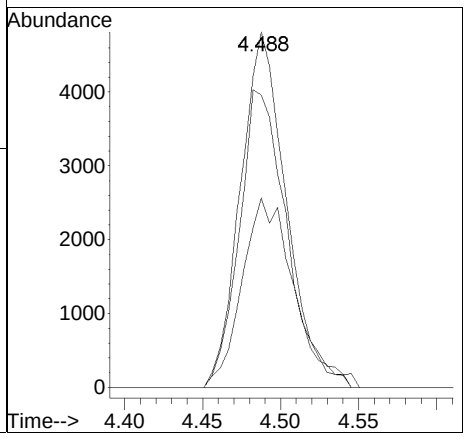


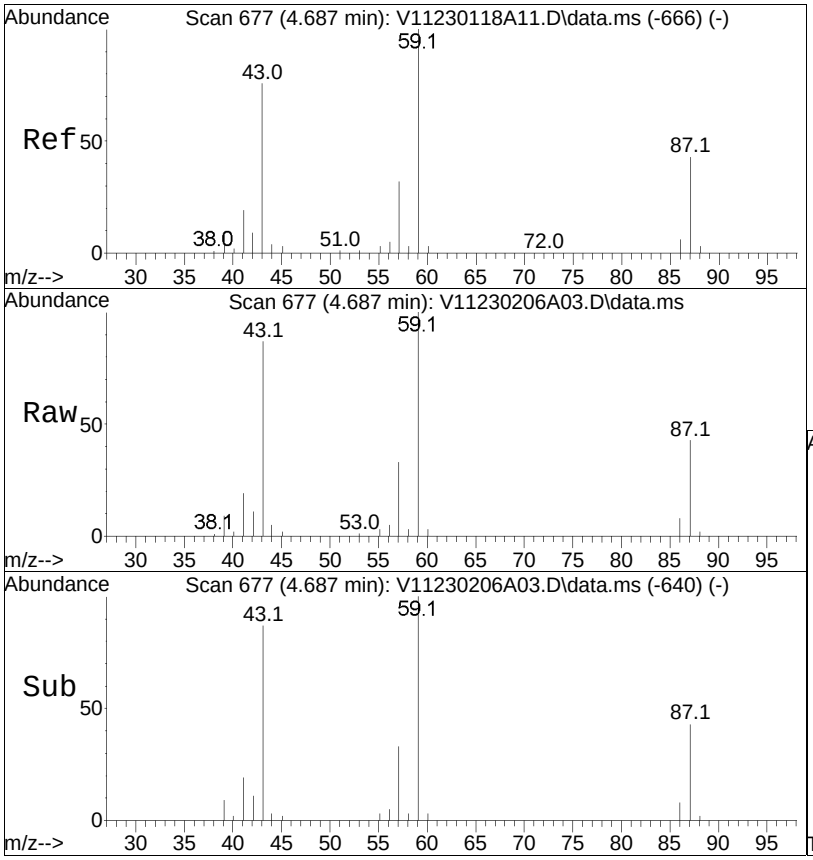


#25
Acrylonitrile
Concen: 43.21 ug/L
RT: 4.488 min Scan# 639
Delta R.T. -0.010 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 53 Resp: 9963

Ion	Ratio	Lower	Upper
53	100		
52	85.4	66.9	100.3
51	58.9	42.6	63.8

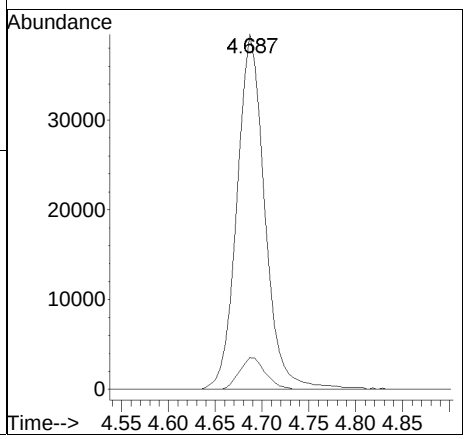


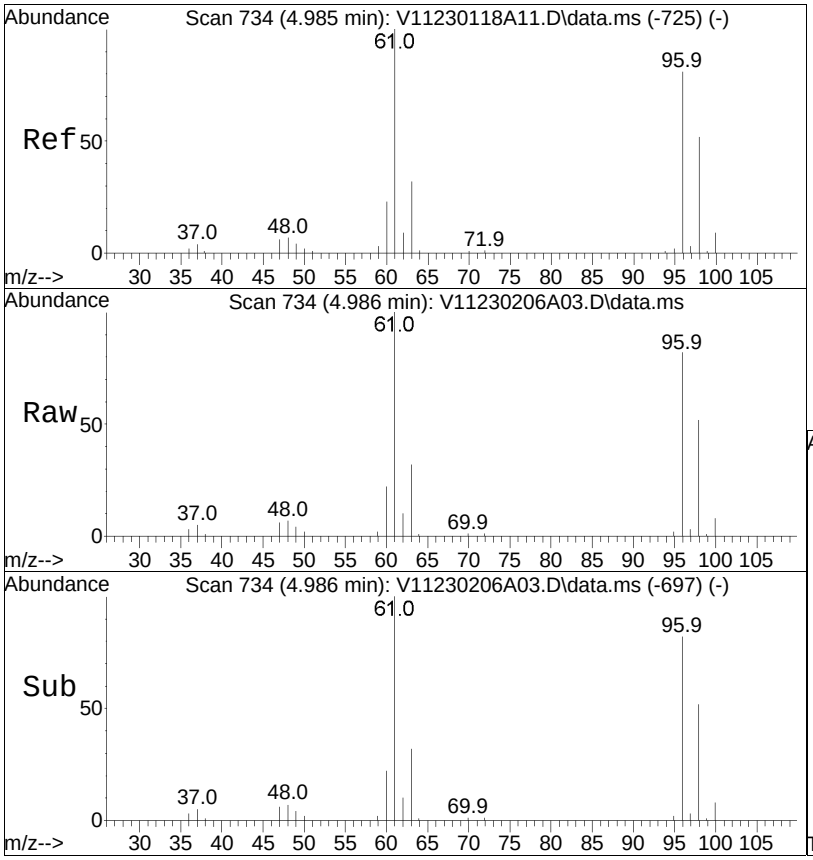


#27
Vinyl acetate
Concen: 43.10 ug/L
RT: 4.687 min Scan# 677
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 43 Resp: 82095

Ion	Ratio	Lower	Upper
43	100		
86	8.4	4.6	6.8#

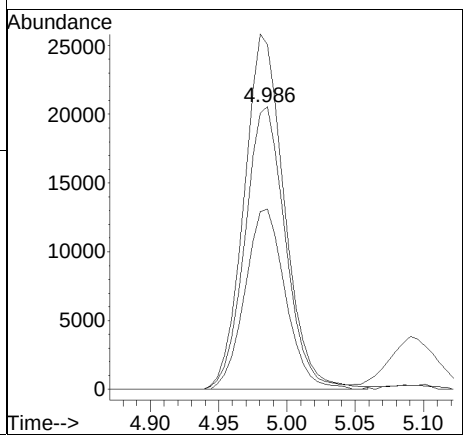


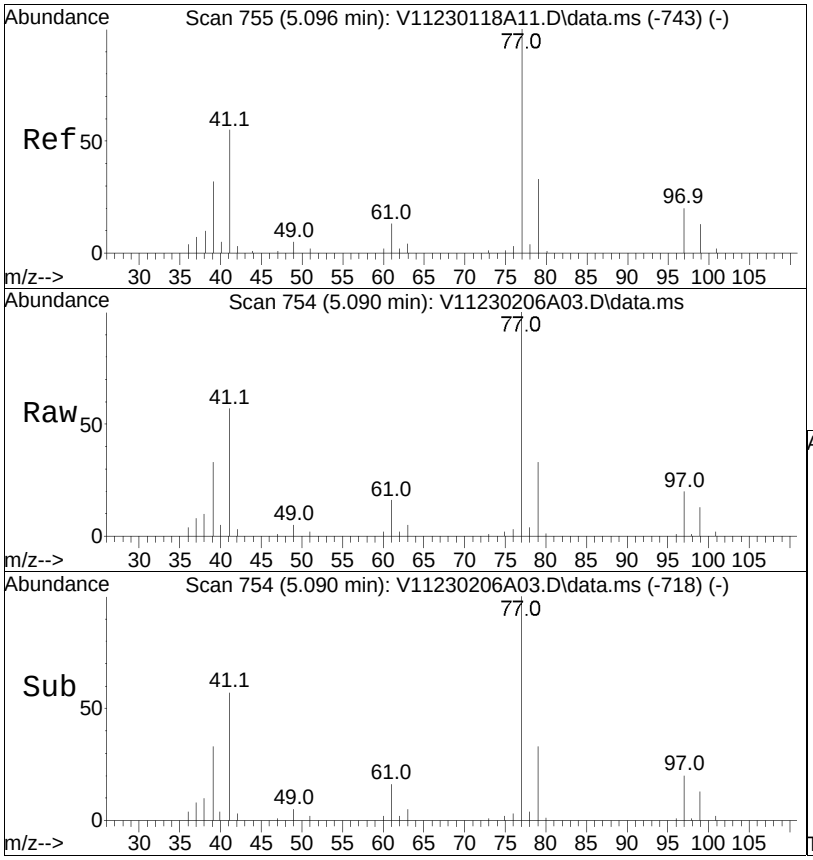


#28
cis-1,2-Dichloroethene
Concen: 39.07 ug/L
RT: 4.986 min Scan# 734
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 96 Resp: 42575

Ion	Ratio	Lower	Upper
96	100		
61	124.2	126.3	189.5#
98	63.6	51.0	76.6

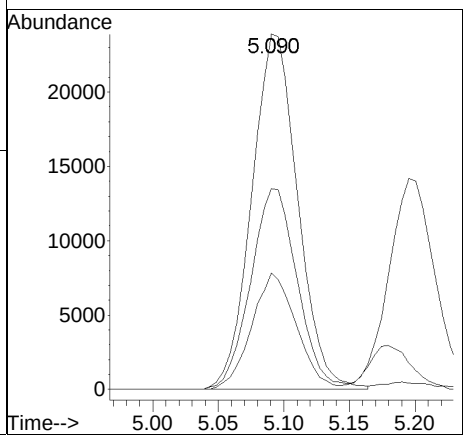


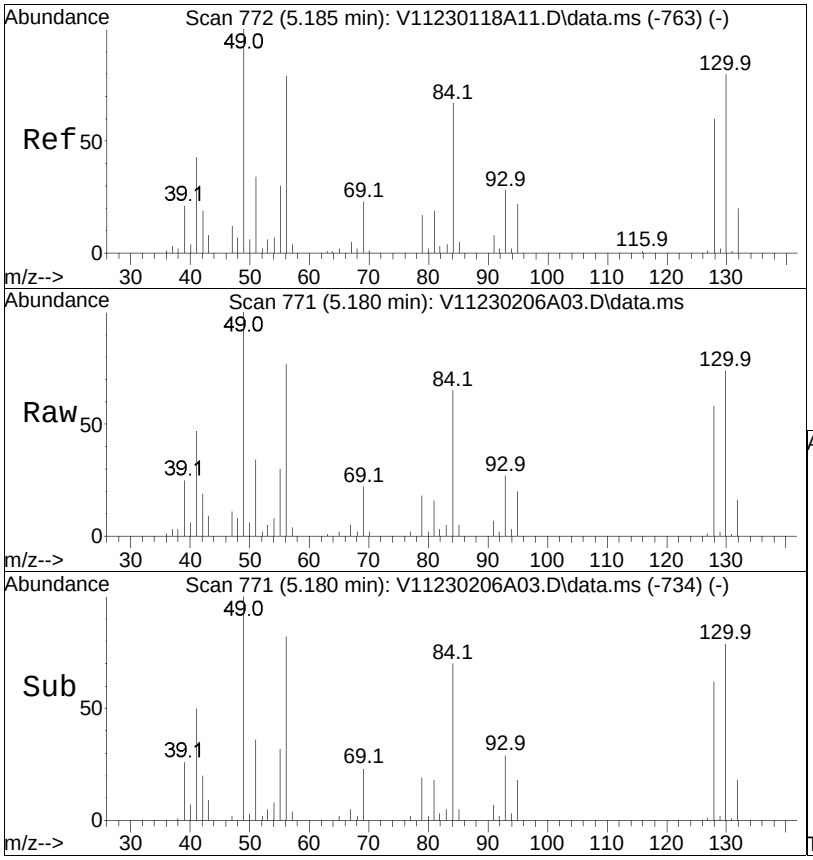


#29
2,2-Dichloropropane
Concen: 40.96 ug/L
RT: 5.090 min Scan# 754
Delta R.T. -0.011 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 77 Resp: 58311

Ion	Ratio	Lower	Upper
77	100		
41	57.2	45.5	94.5
79	31.8	20.9	43.3

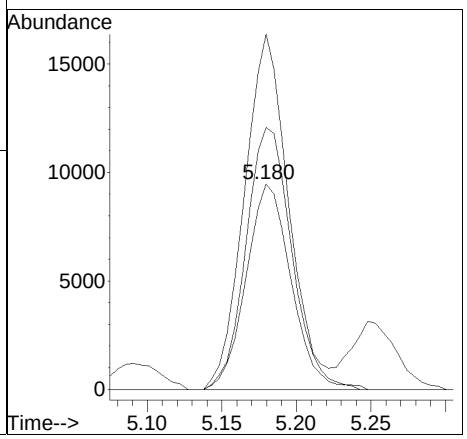


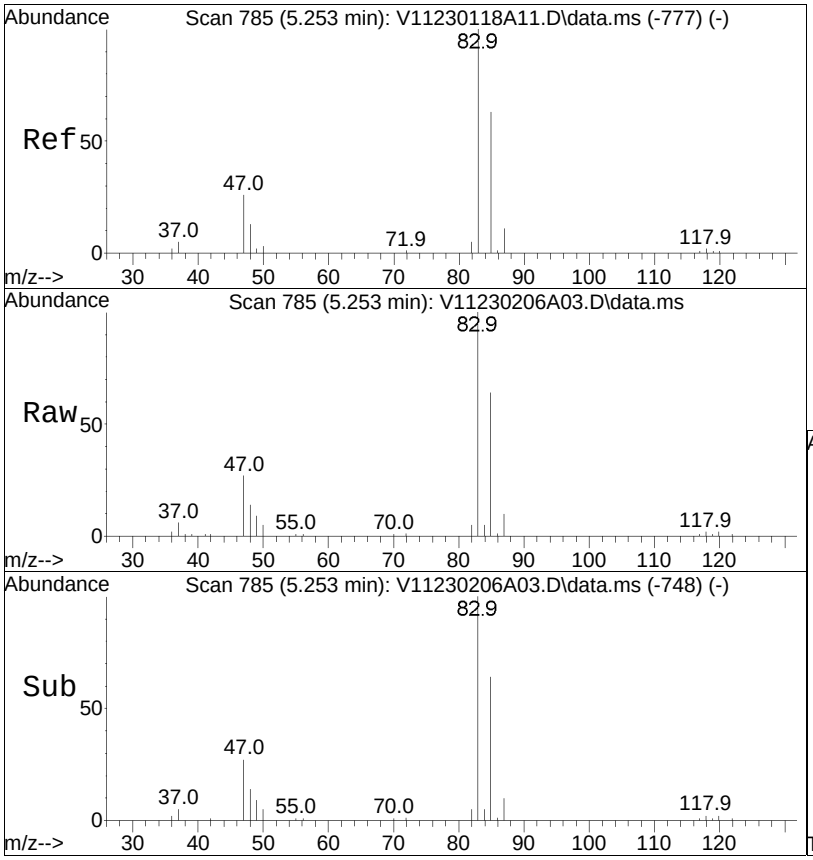


#30
Bromochloromethane
Concen: 39.23 ug/L
RT: 5.180 min Scan# 771
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:128 Resp: 19858

Ion	Ratio	Lower	Upper
128	100		
49	170.0	201.3	301.9#
130	130.2	106.2	159.2

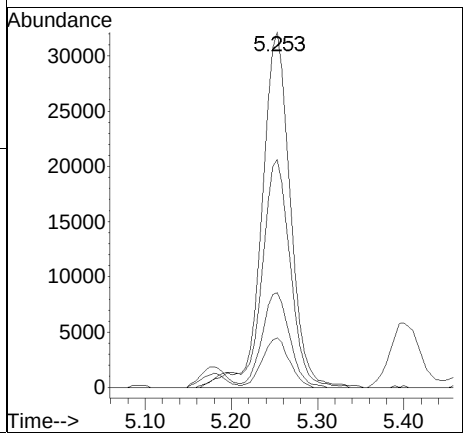


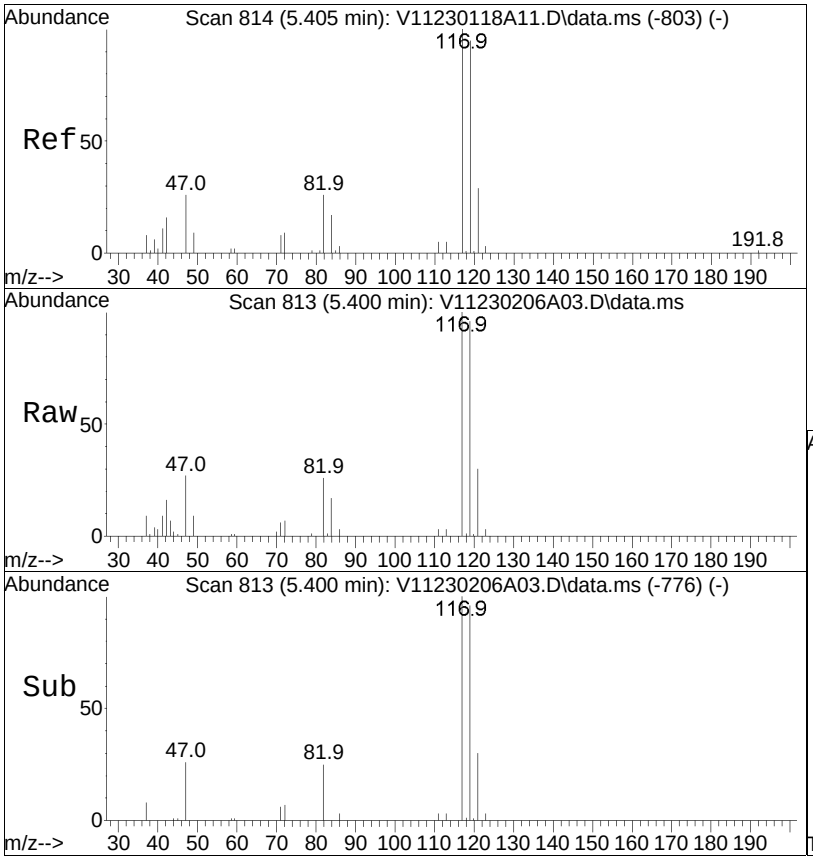


#32
Chloroform
Concen: 39.97 ug/L
RT: 5.253 min Scan# 785
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 83 Resp: 73281

Ion	Ratio	Lower	Upper
83	100		
85	62.3	41.9	87.1
47	25.9	20.9	43.3
48	13.3	9.9	20.5

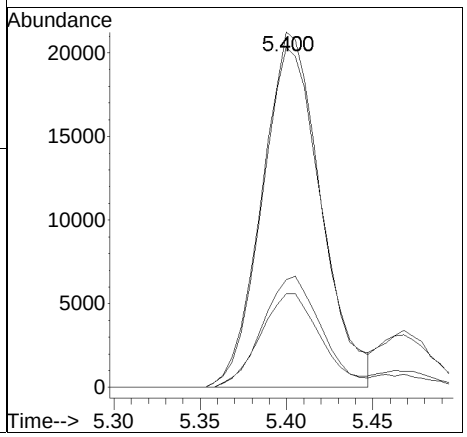


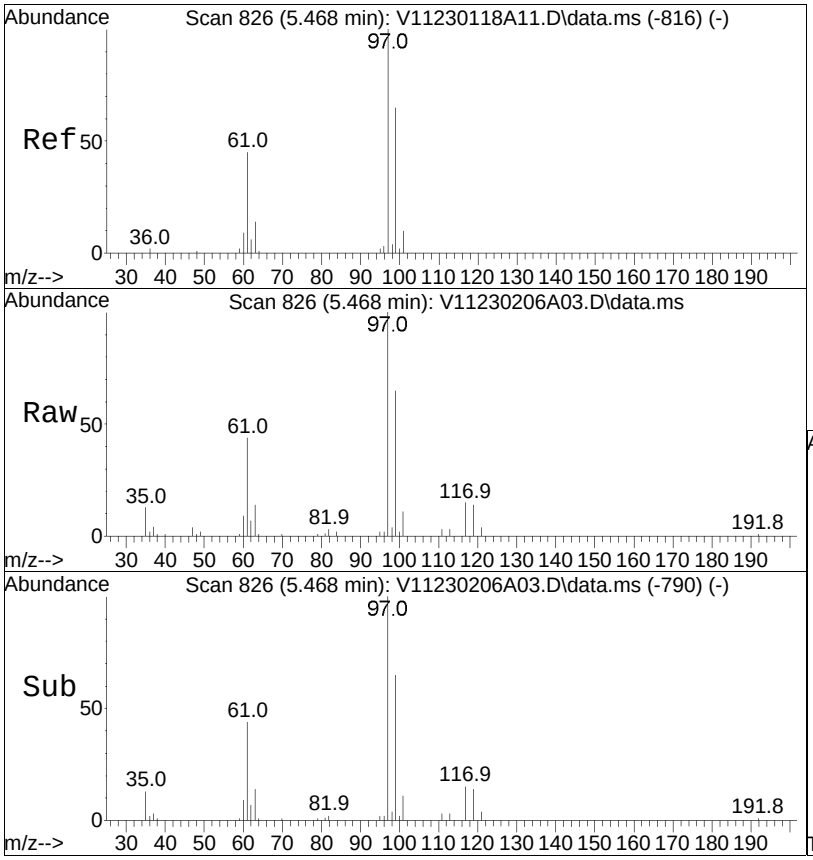


#34
Carbon tetrachloride
Concen: 40.20 ug/L
RT: 5.400 min Scan# 813
Delta R.T. -0.010 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:117 Resp: 50392

Ion	Ratio	Lower	Upper
117	100		
119	96.7	64.0	132.8
121	30.8	20.7	42.9
82	27.2	16.3	33.8

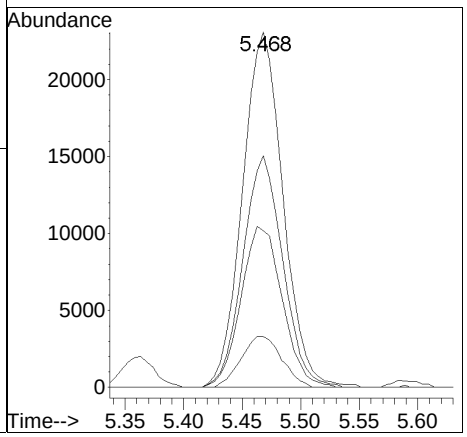


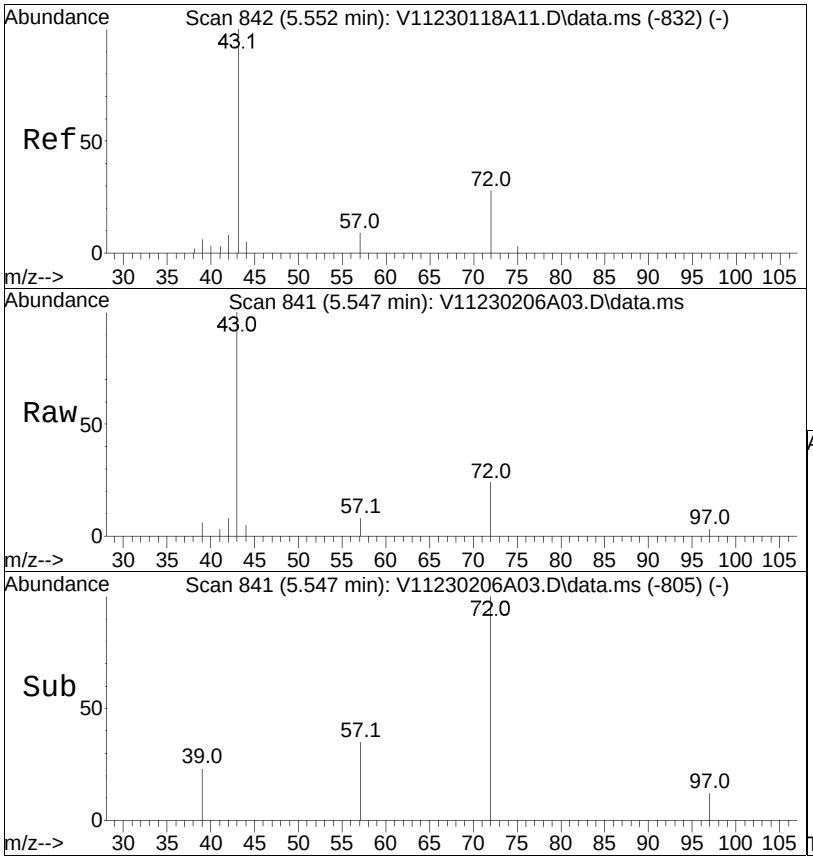


#37
1,1,1-Trichloroethane
Concen: 40.87 ug/L
RT: 5.468 min Scan# 826
Delta R.T. -0.010 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 97 Resp: 55782

Ion	Ratio	Lower	Upper
97	100		
99	64.1	41.5	86.1
61	46.1	32.2	67.0
63	14.4	10.1	20.9

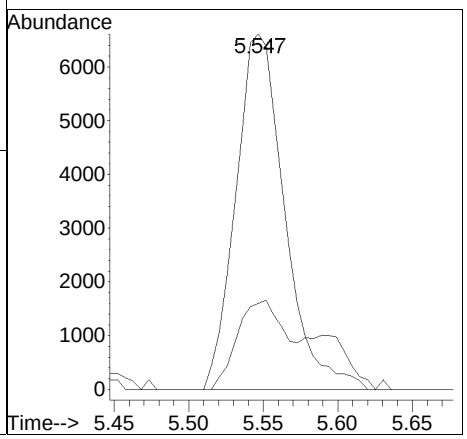


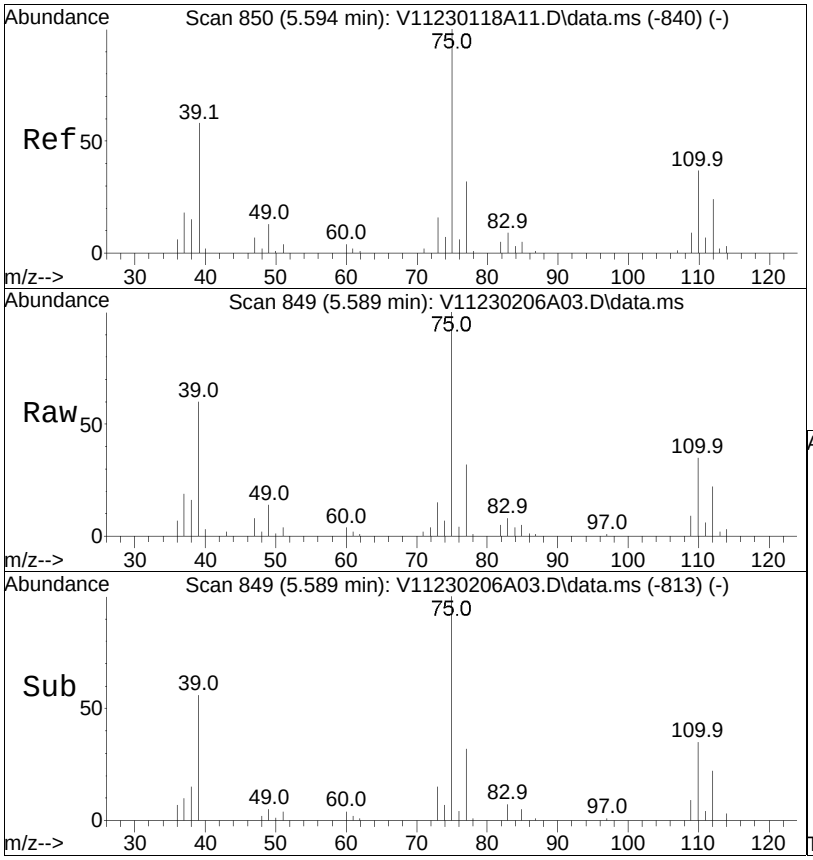


#39
2-Butanone
Concen: 42.42 ug/L
RT: 5.547 min Scan# 841
Delta R.T. -0.010 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 43 Resp: 15092

Ion	Ratio	Lower	Upper
43	100		
72	24.9	21.0	31.6

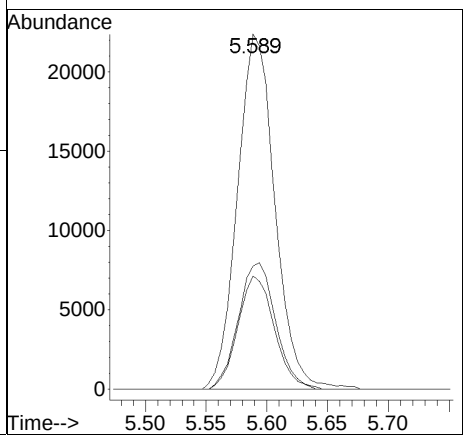


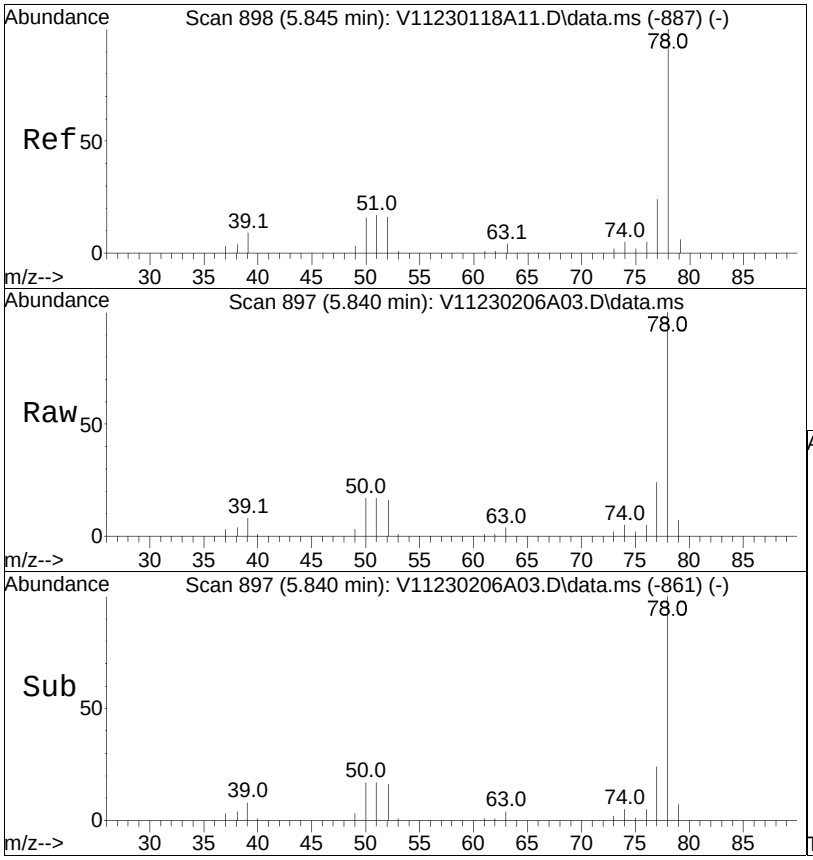


#40
1,1-Dichloropropene
Concen: 40.62 ug/L
RT: 5.589 min Scan# 849
Delta R.T. -0.010 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 75 Resp: 48126

Ion	Ratio	Lower	Upper
75	100		
110	35.6	23.6	49.0
77	30.9	20.2	41.9

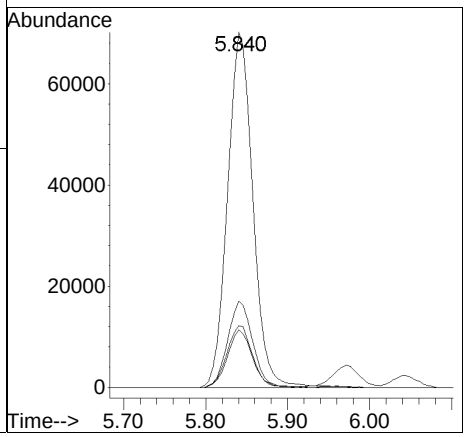


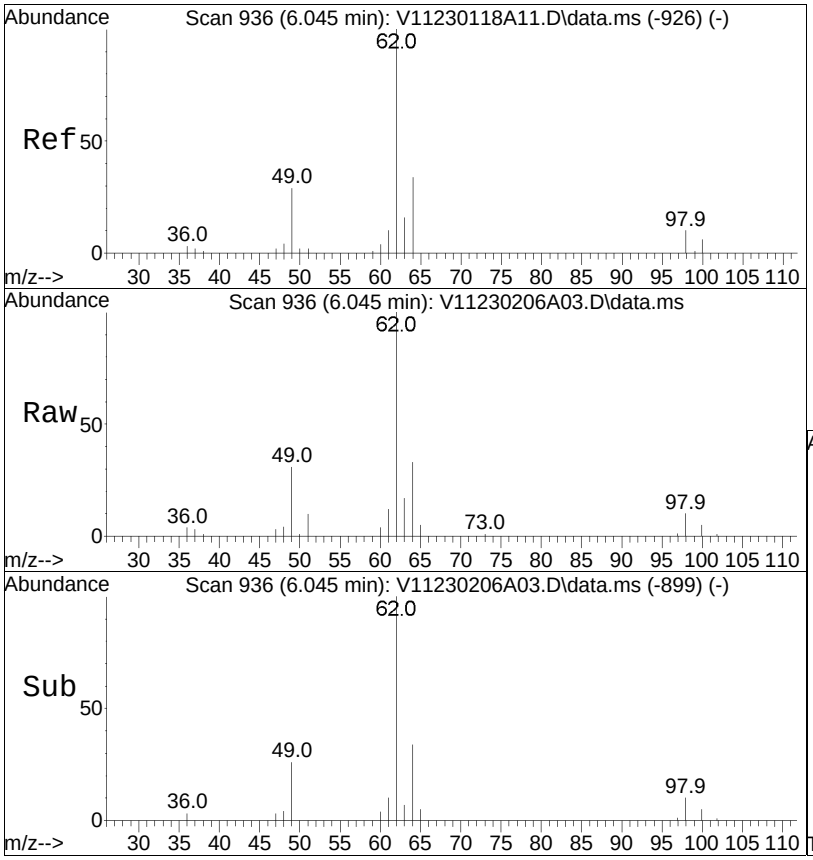


#41
Benzene
Concen: 39.52 ug/L
RT: 5.840 min Scan# 897
Delta R.T. -0.010 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 78 Resp: 150784

Ion	Ratio	Lower	Upper
78	100		
77	24.0	15.1	31.3
51	17.4	15.8	32.8
52	15.8	15.6	32.4

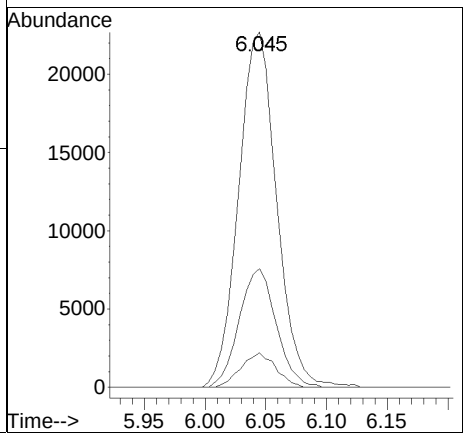


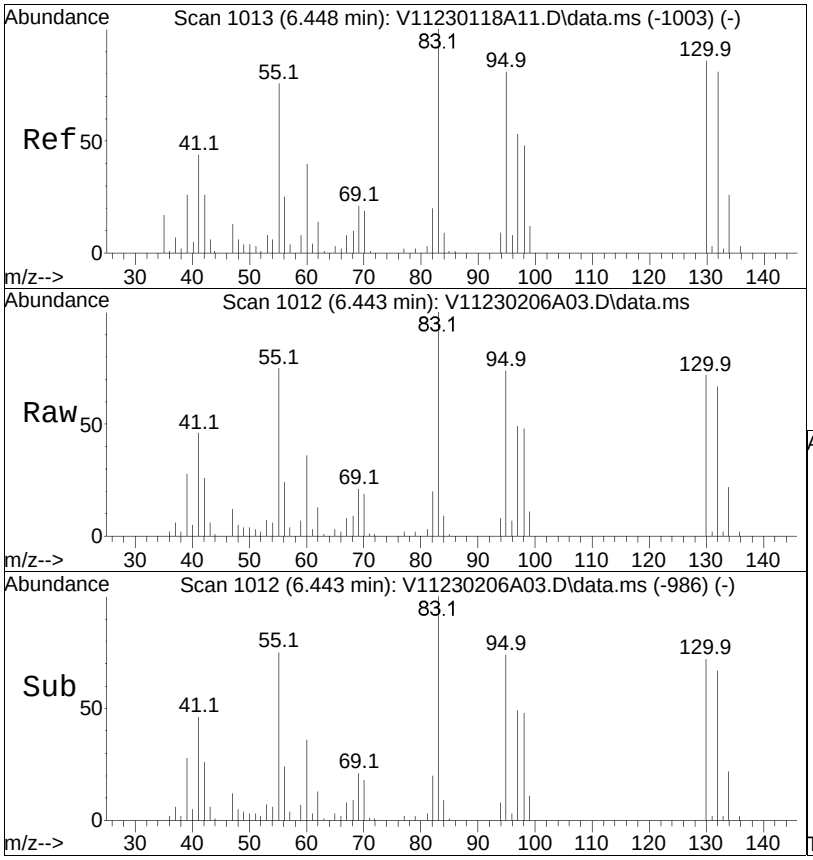


#44
1,2-Dichloroethane
Concen: 38.32 ug/L
RT: 6.045 min Scan# 936
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 62 Resp: 49547

Ion	Ratio	Lower	Upper
62	100		
64	32.5	11.1	51.1
98	9.0	0.0	28.0

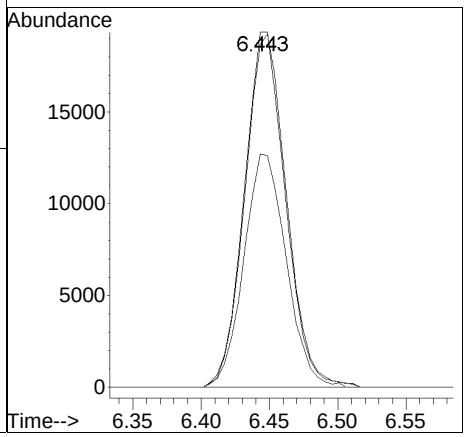


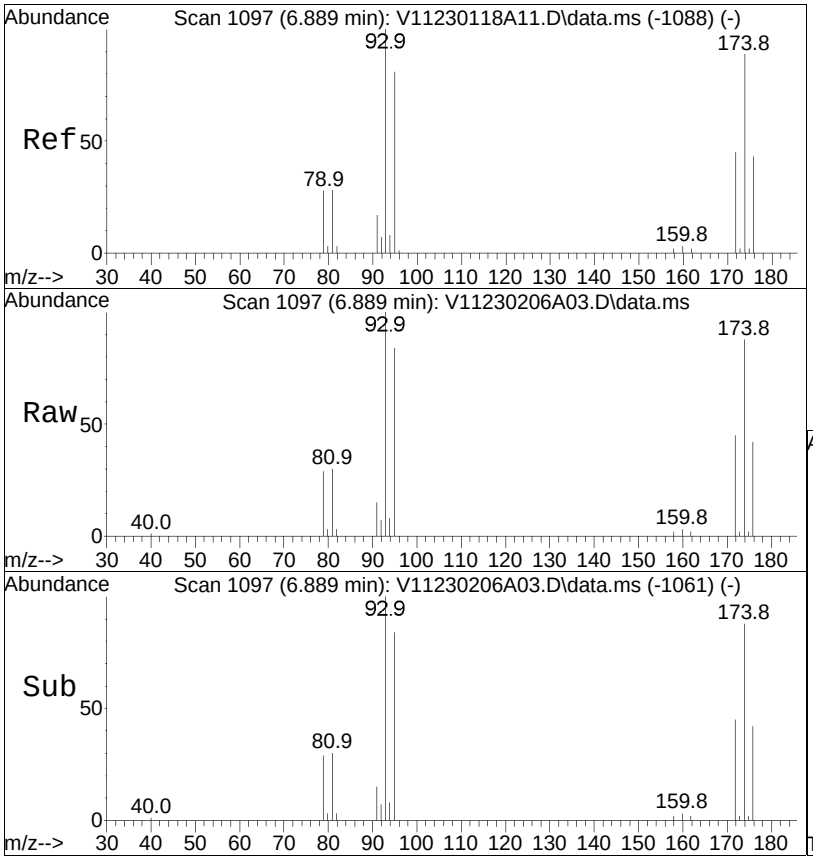


#48
Trichloroethene
Concen: 41.55 ug/L
RT: 6.443 min Scan# 1012
Delta R.T. -0.016 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 95 Resp: 40644

Ion	Ratio	Lower	Upper
95	100		
97	67.6	54.3	81.5
130	100.4	84.6	126.8

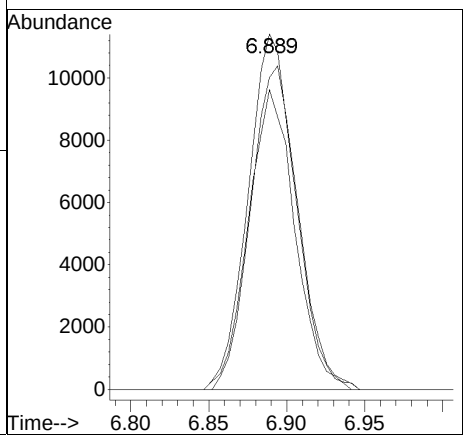


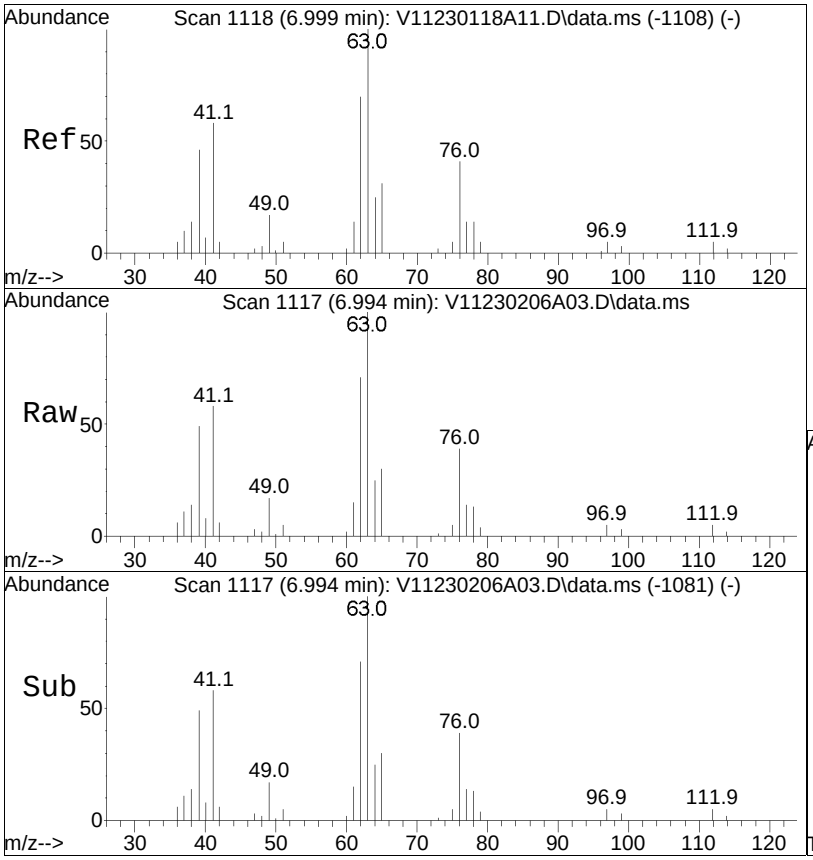


#50
Dibromomethane
Concen: 39.68 ug/L
RT: 6.889 min Scan# 1097
Delta R.T. -0.010 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 93 Resp: 24156

Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.7	98.5
174	91.6	80.2	120.4

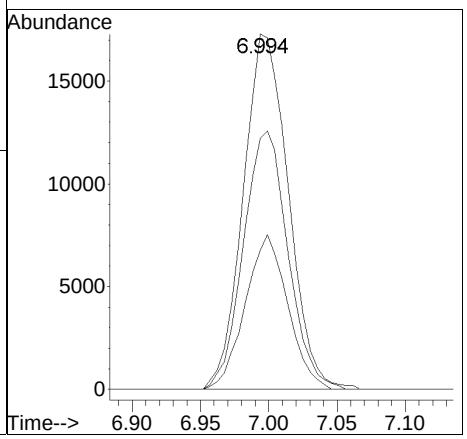


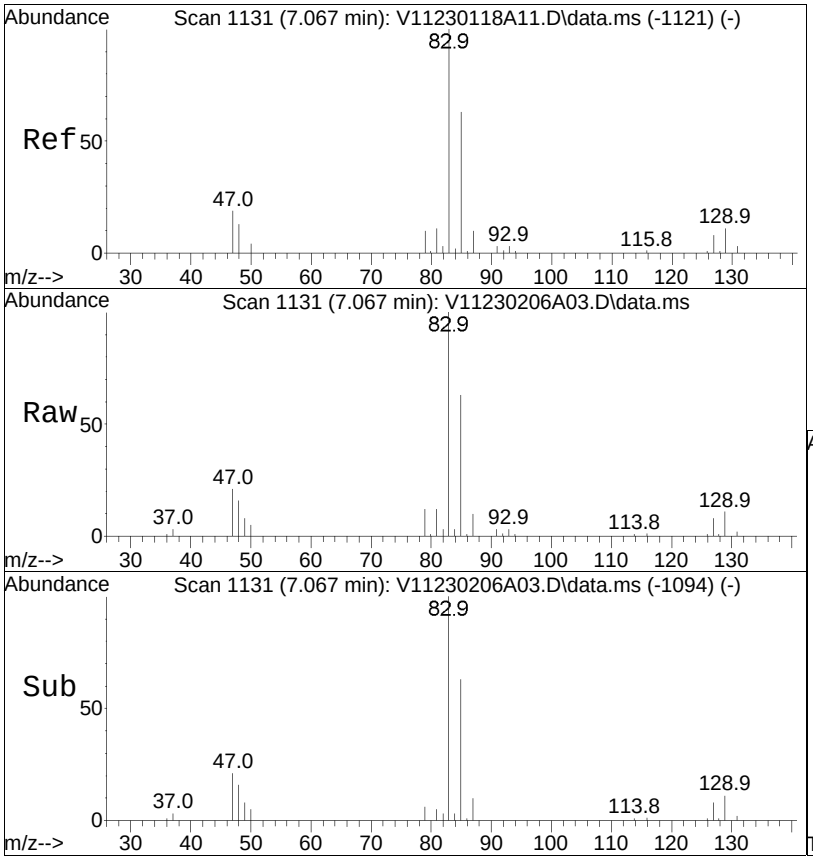


#51
1,2-Dichloropropane
Concen: 39.75 ug/L
RT: 6.994 min Scan# 1117
Delta R.T. -0.010 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 63 Resp: 39754

Ion	Ratio	Lower	Upper
63	100		
62	71.8	57.9	86.9
76	41.0	30.1	45.1

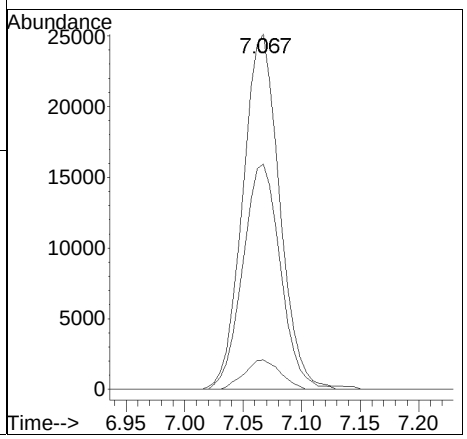


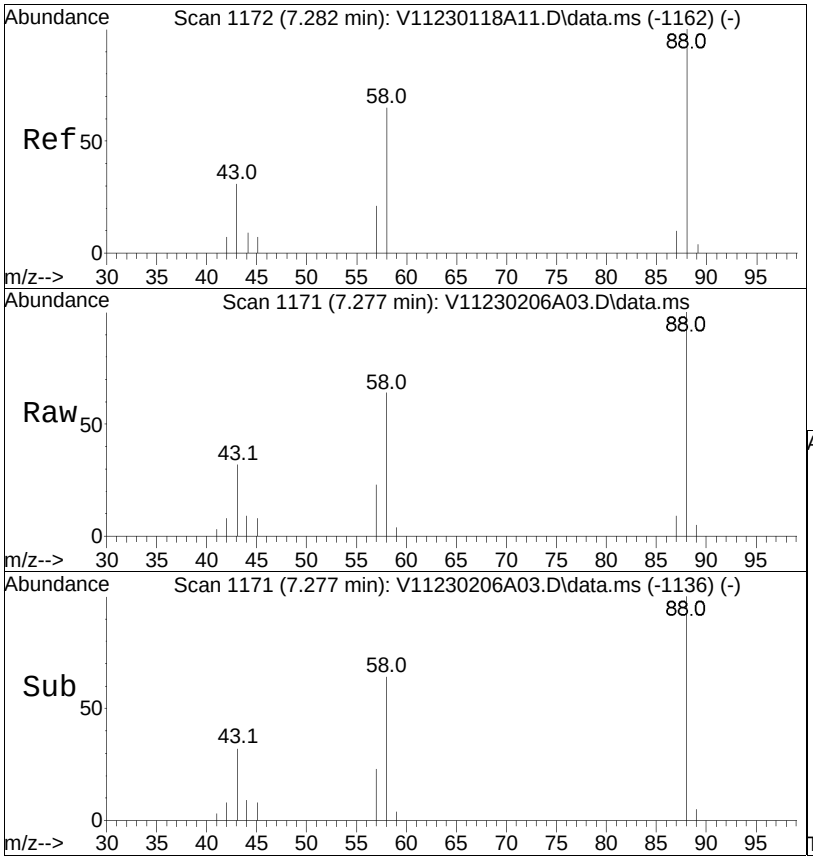


#54
Bromodichloromethane
Concen: 39.46 ug/L
RT: 7.067 min Scan# 1131
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 83 Resp: 55198

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.6	77.4
127	8.1	7.1	10.7

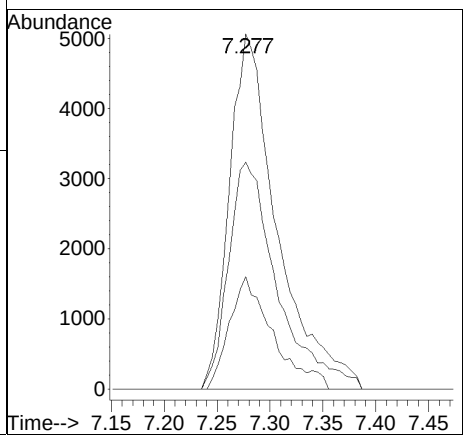


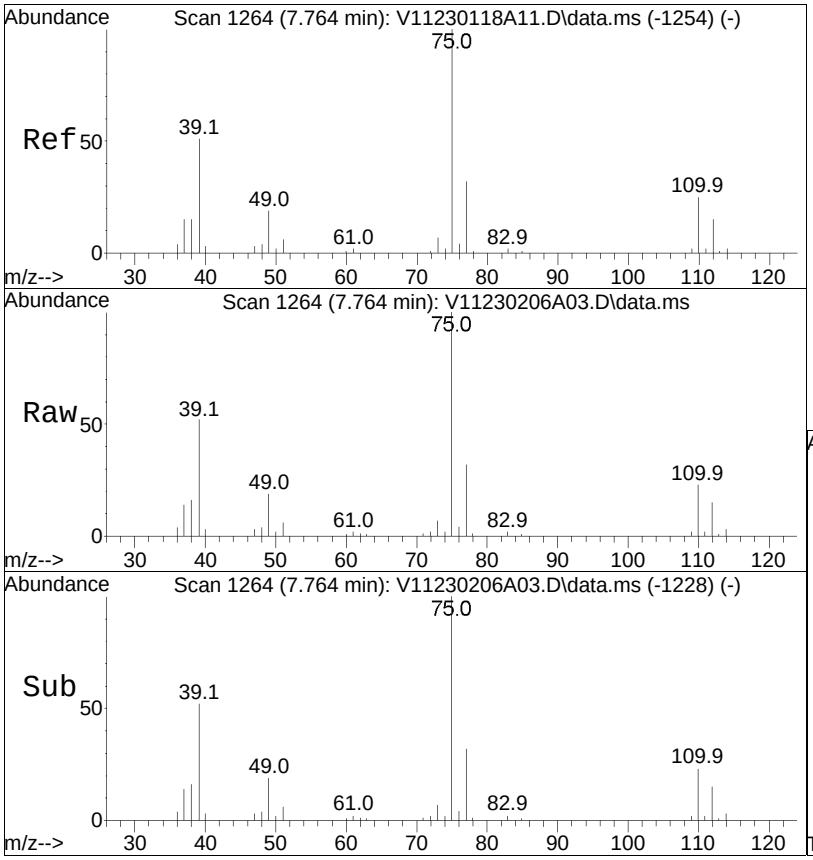


#57
1,4-Dioxane
Concen: 2002.86 ug/L
RT: 7.277 min Scan# 1171
Delta R.T. -0.015 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 88 Resp: 15978

Ion	Ratio	Lower	Upper
88	100		
58	65.2	75.4	113.0#
43	28.9	33.5	50.3#

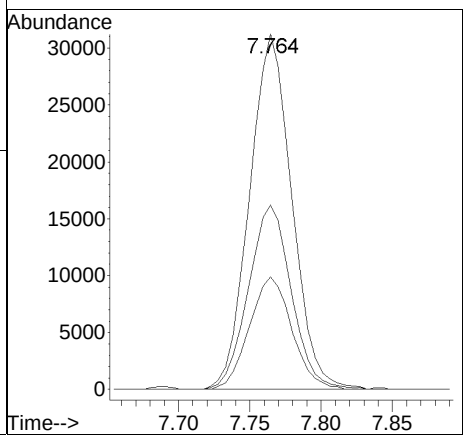


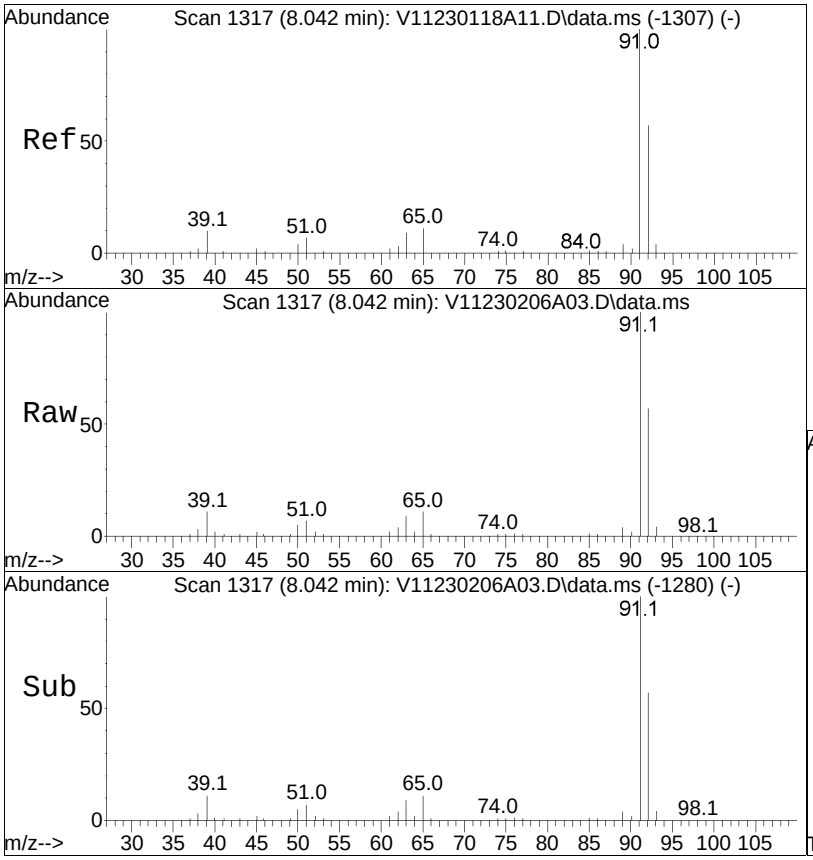


#58
cis-1,3-Dichloropropene
Concen: 40.48 ug/L
RT: 7.764 min Scan# 1264
Delta R.T. -0.011 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 75 Resp: 64413

Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.9	37.3
39	52.6	51.8	77.8

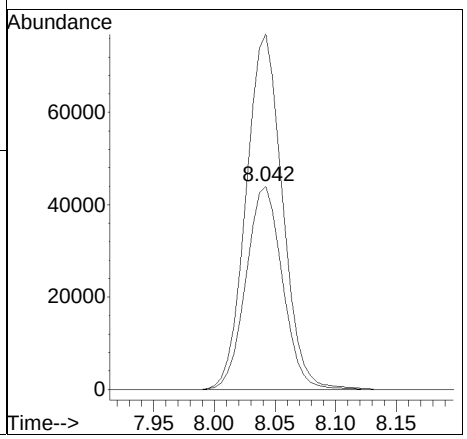


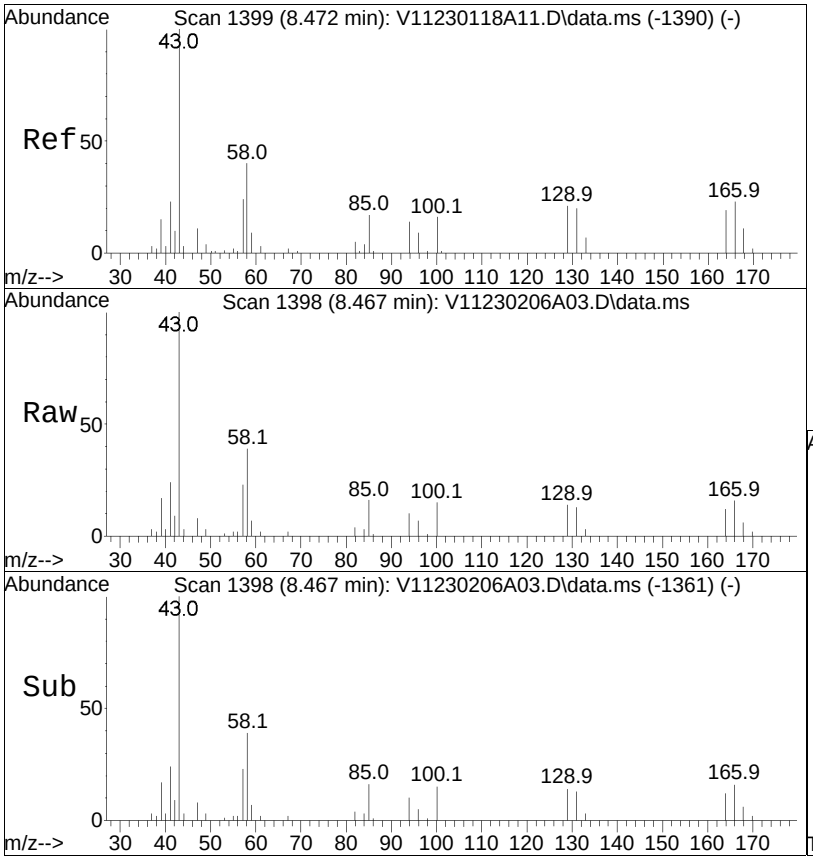


#61
Toluene
Concen: 40.13 ug/L
RT: 8.042 min Scan# 1317
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 92 Resp: 91582

Ion	Ratio	Lower	Upper
92	100		
91	174.7	133.7	200.5

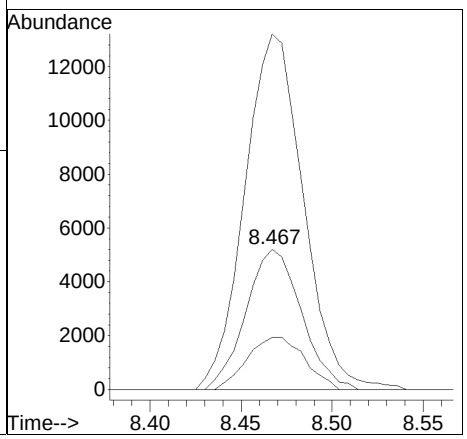


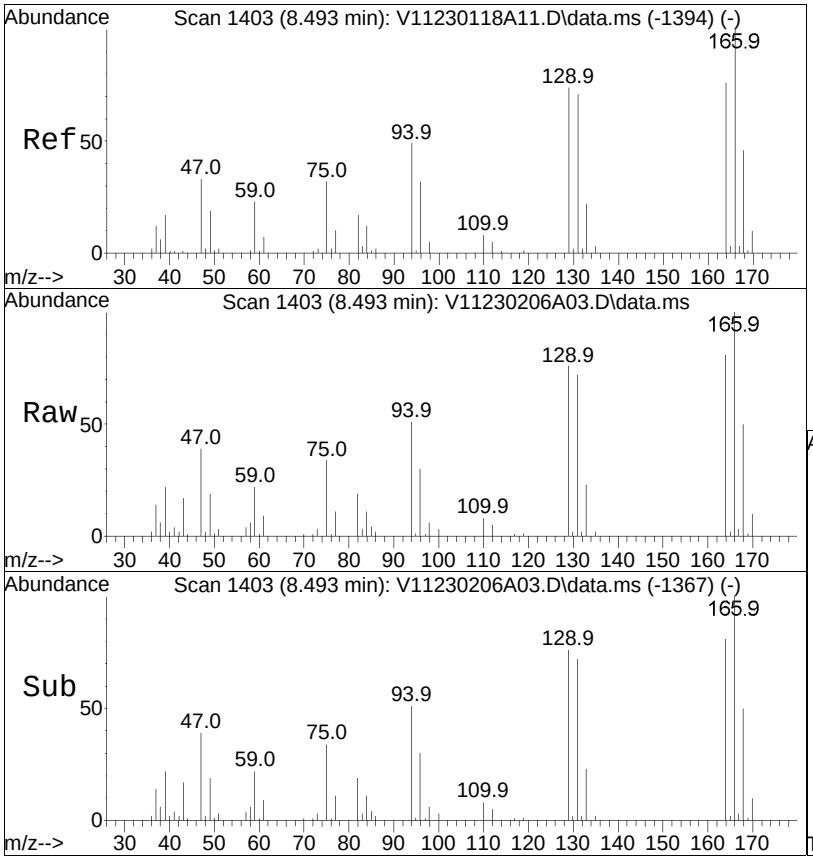


#62
4-Methyl-2-pentanone
Concen: 37.52 ug/L
RT: 8.467 min Scan# 1398
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 58 Resp: 11044

Ion	Ratio	Lower	Upper
58	100		
100	38.4	22.0	33.0#
43	267.6	236.9	355.3

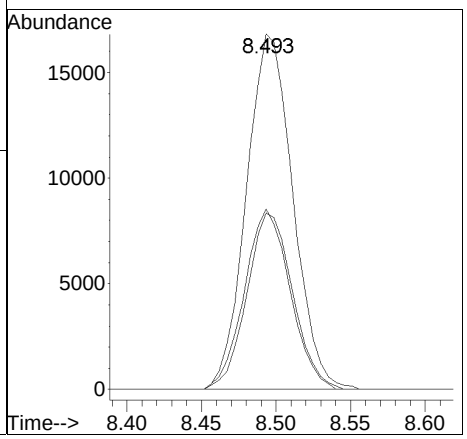


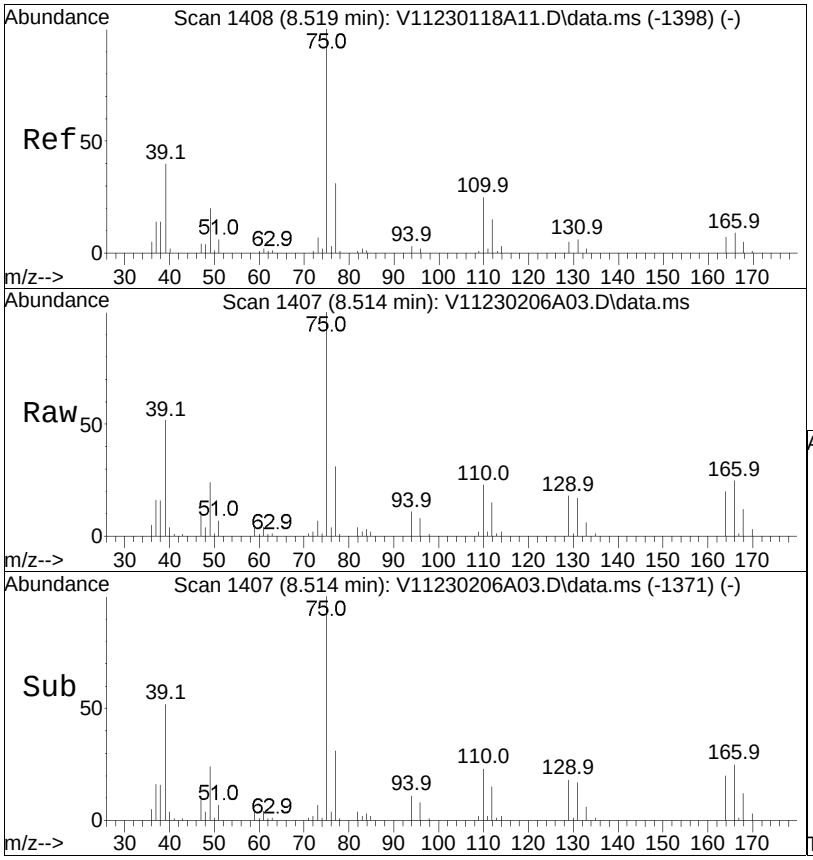


#63
Tetrachloroethene
Concen: 41.58 ug/L
RT: 8.493 min Scan# 1403
Delta R.T. -0.011 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:166 Resp: 36471

Ion	Ratio	Lower	Upper
166	100		
168	48.9	28.2	68.2
94	49.9	26.3	66.3

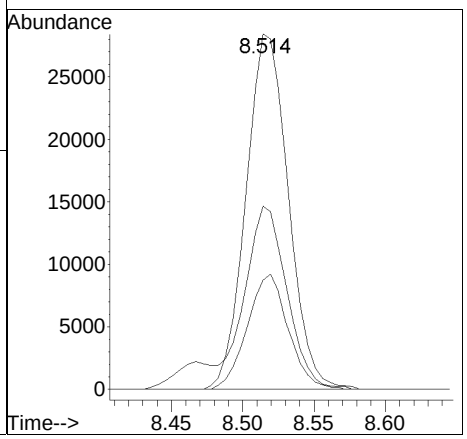


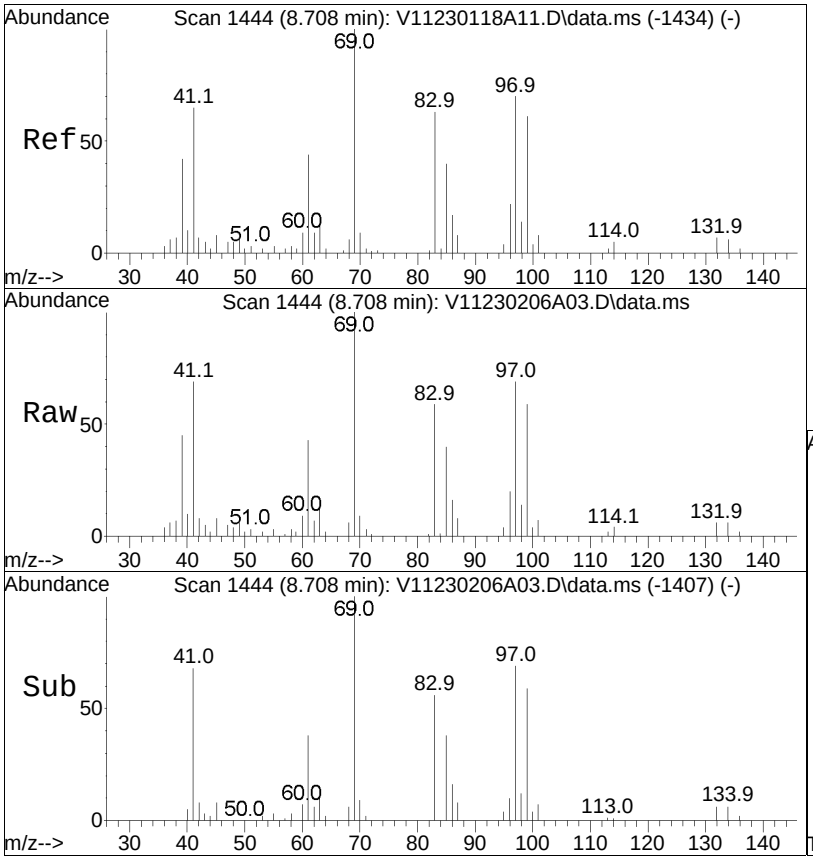


#65
trans-1,3-Dichloropropene
Concen: 41.49 ug/L
RT: 8.514 min Scan# 1407
Delta R.T. -0.010 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 75 Resp: 58879

Ion	Ratio	Lower	Upper
75	100		
77	31.3	11.4	51.4
39	50.9	50.3	90.3

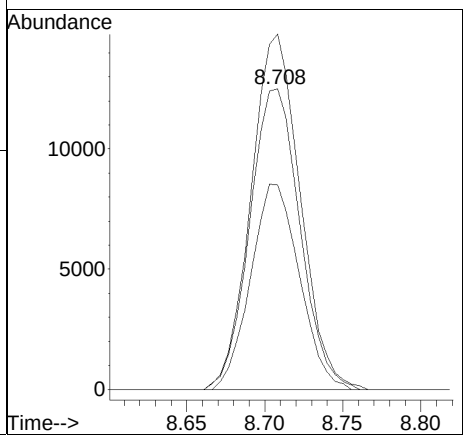


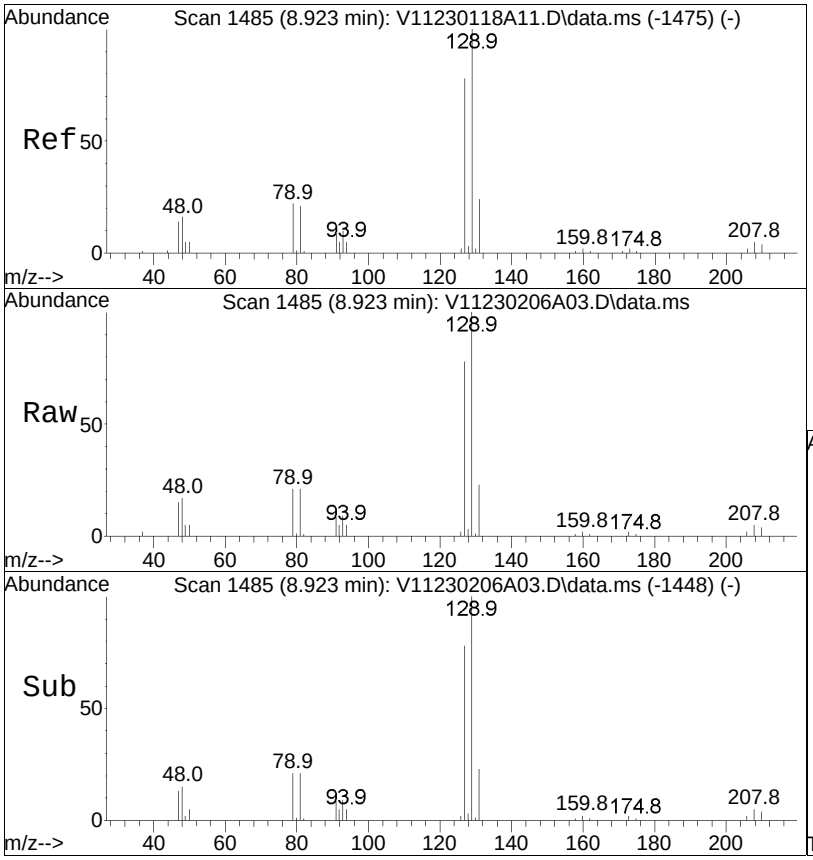


#68
1,1,2-Trichloroethane
Concen: 41.21 ug/L
RT: 8.708 min Scan# 1444
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 83 Resp: 27941

Ion	Ratio	Lower	Upper
83	100		
97	116.0	97.6	137.6
85	66.4	46.8	86.8

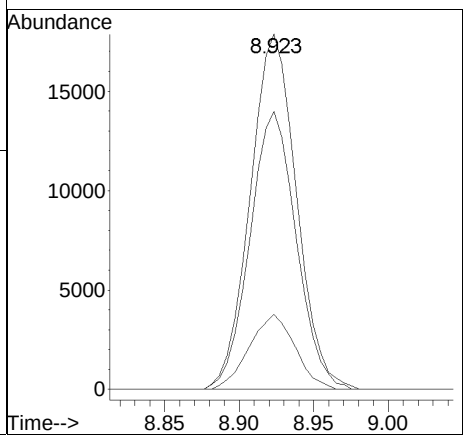


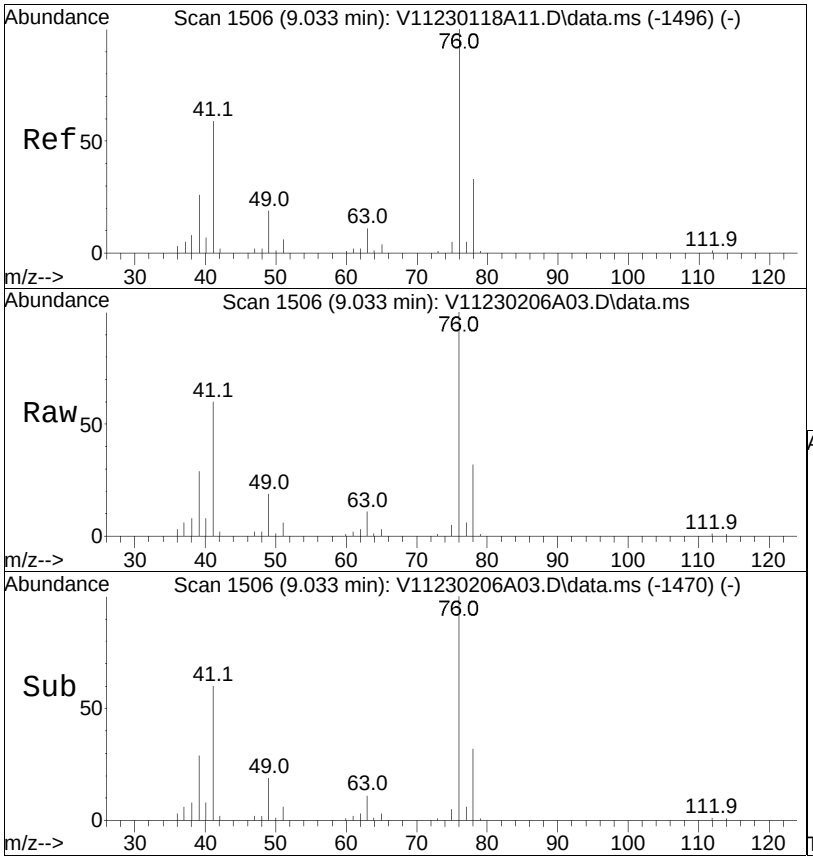


#69
Chlorodibromomethane
Concen: 40.42 ug/L
RT: 8.923 min Scan# 1485
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:129 Resp: 38647

Ion	Ratio	Lower	Upper
129	100		
81	20.9	0.0	36.0
127	78.2	56.0	96.0

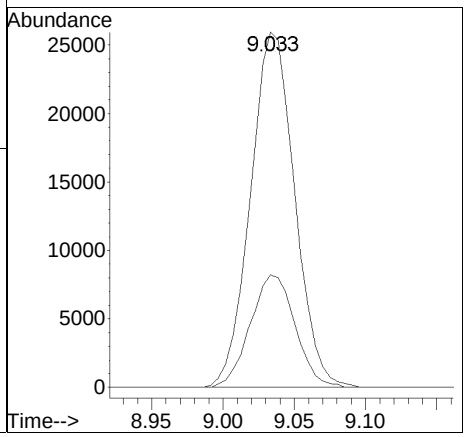


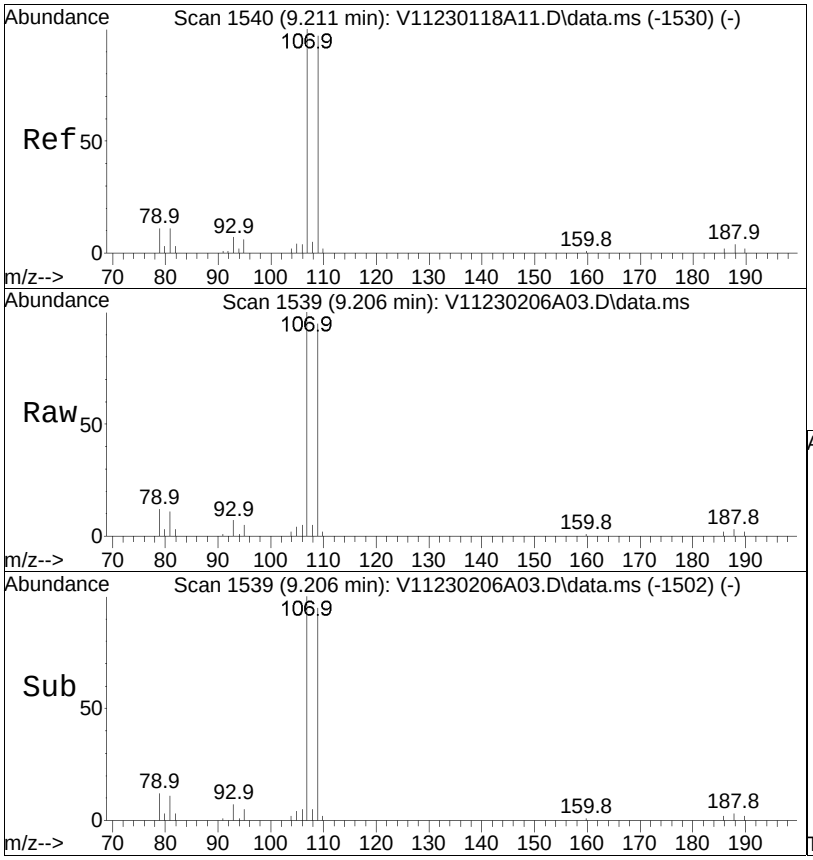


#70
1,3-Dichloropropane
Concen: 40.80 ug/L
RT: 9.033 min Scan# 1506
Delta R.T. -0.011 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 76 Resp: 55913

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9

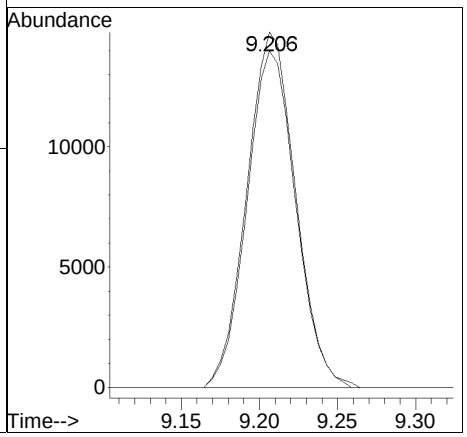


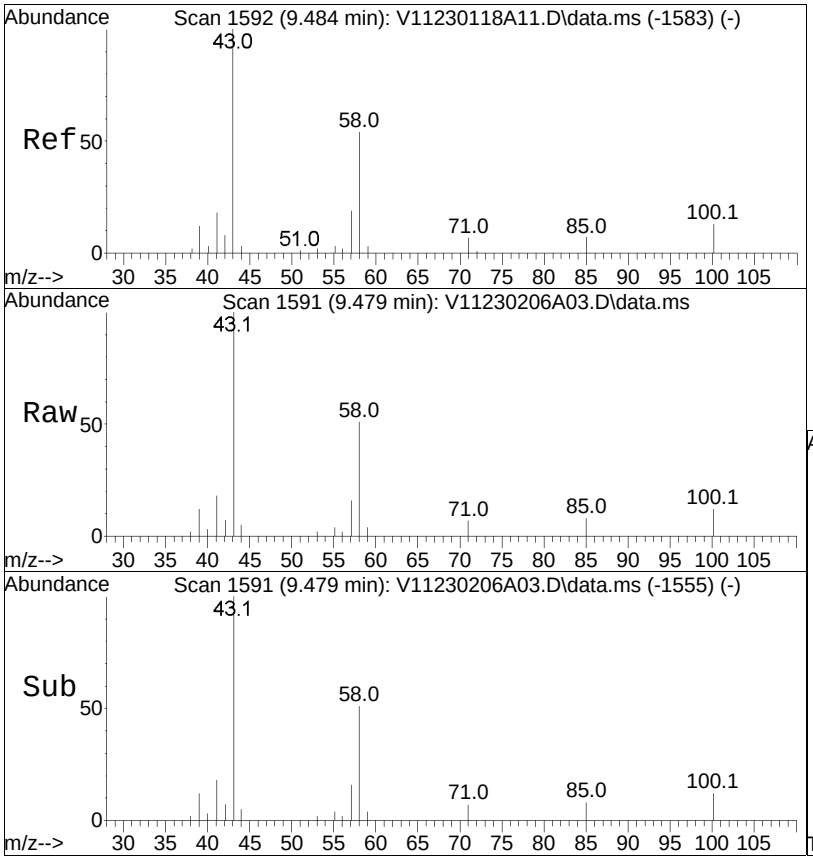


#71
1,2-Dibromoethane
Concen: 42.13 ug/L
RT: 9.206 min Scan# 1539
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:107 Resp: 32140

Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.2	114.4

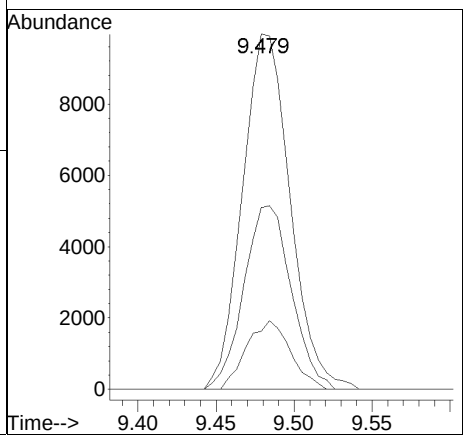


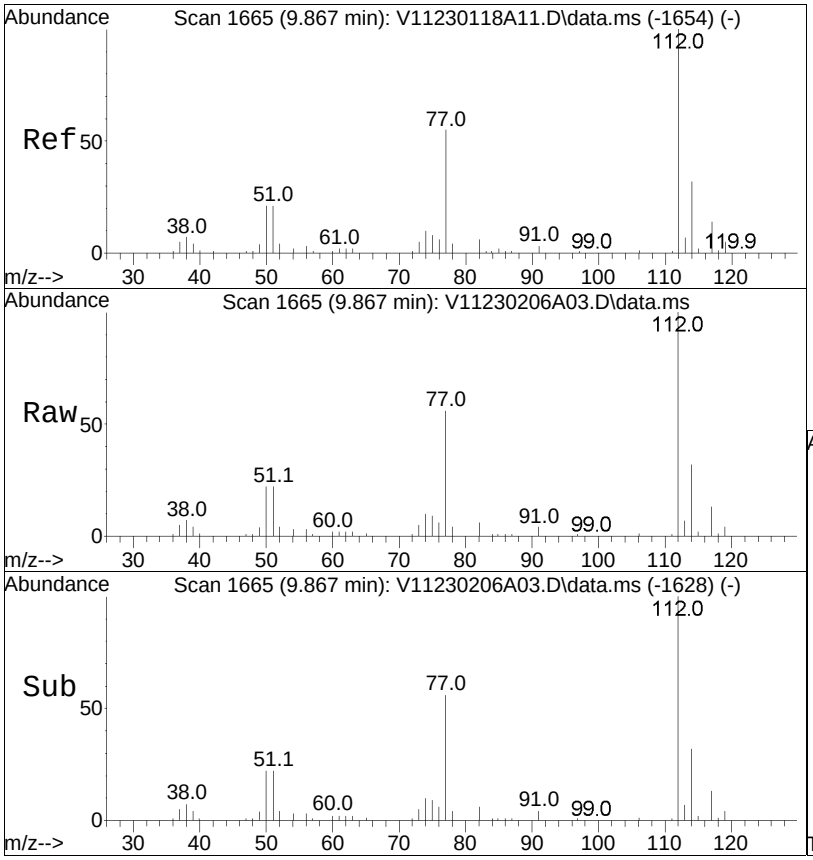


#72
2-Hexanone
Concen: 43.11 ug/L
RT: 9.479 min Scan# 1591
Delta R.T. -0.010 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 43 Resp: 21205

Ion	Ratio	Lower	Upper
43	100		
58	51.4	37.9	56.9
57	17.9	12.6	19.0

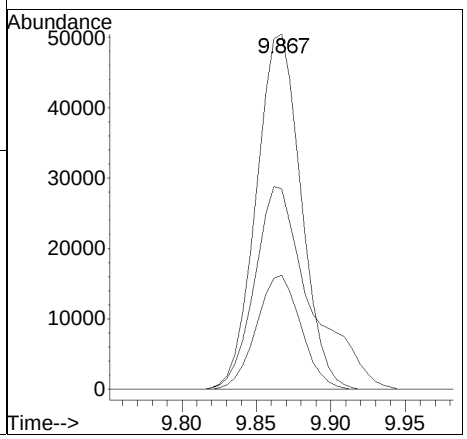


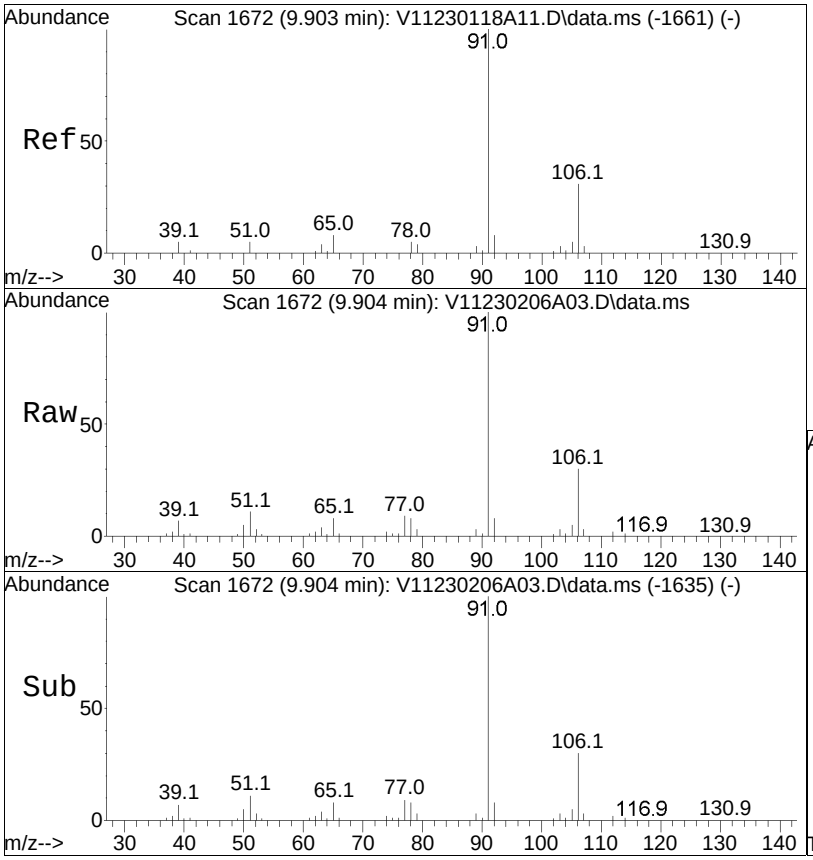


#73
Chlorobenzene
Concen: 39.58 ug/L
RT: 9.867 min Scan# 1665
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:112 Resp: 105501

Ion	Ratio	Lower	Upper
112	100		
77	71.6	47.0	70.4#
114	32.0	25.9	38.9

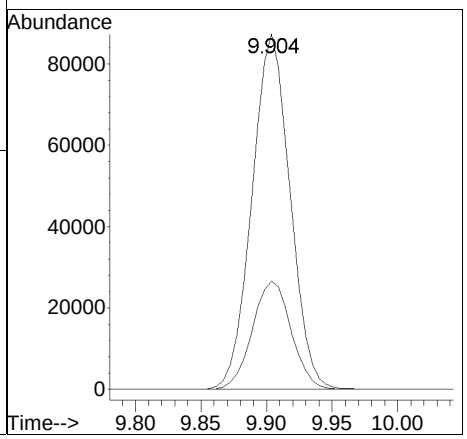


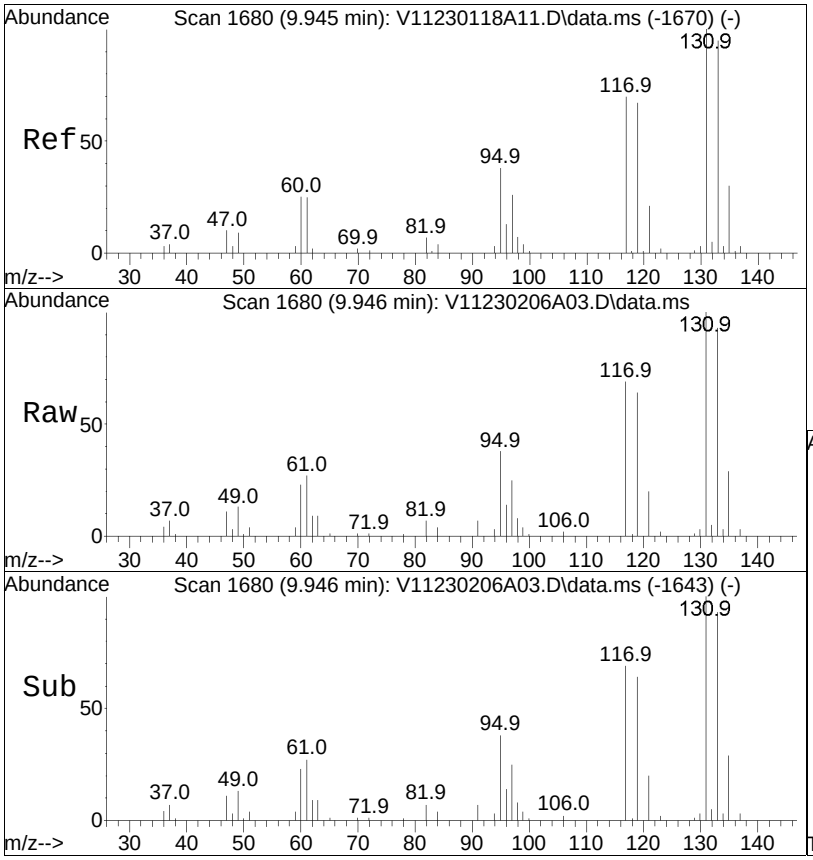


#74
Ethylbenzene
Concen: 40.97 ug/L
RT: 9.904 min Scan# 1672
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 91 Resp: 176162

Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.0	37.4

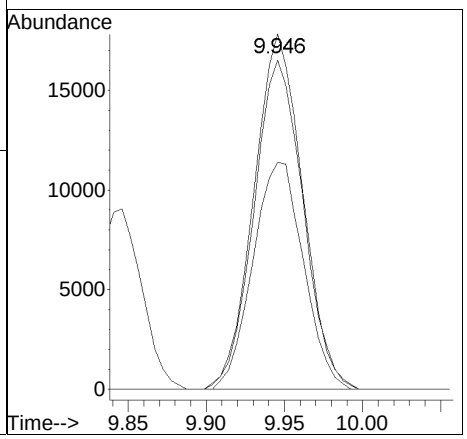


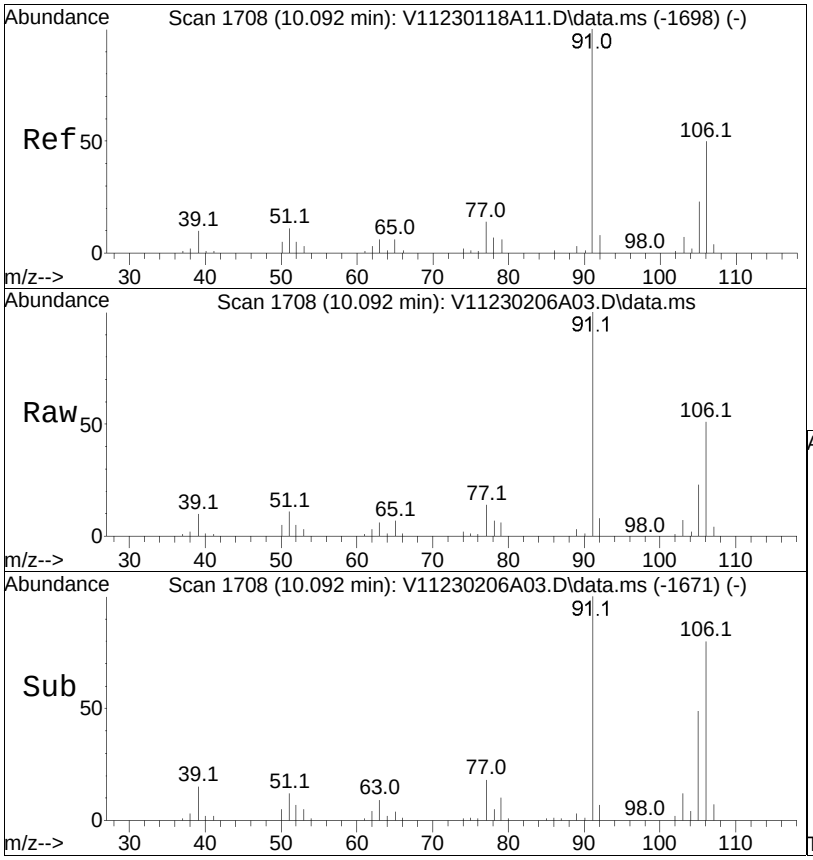


#75
1,1,1,2-Tetrachloroethane
Concen: 42.46 ug/L
RT: 9.946 min Scan# 1680
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:131 Resp: 38789

Ion	Ratio	Lower	Upper
131	100		
133	93.5	75.2	115.2
119	66.3	44.7	84.7

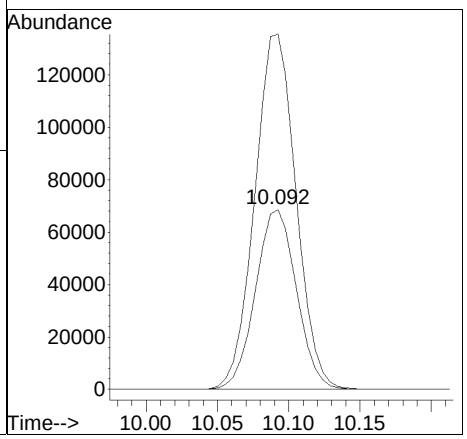


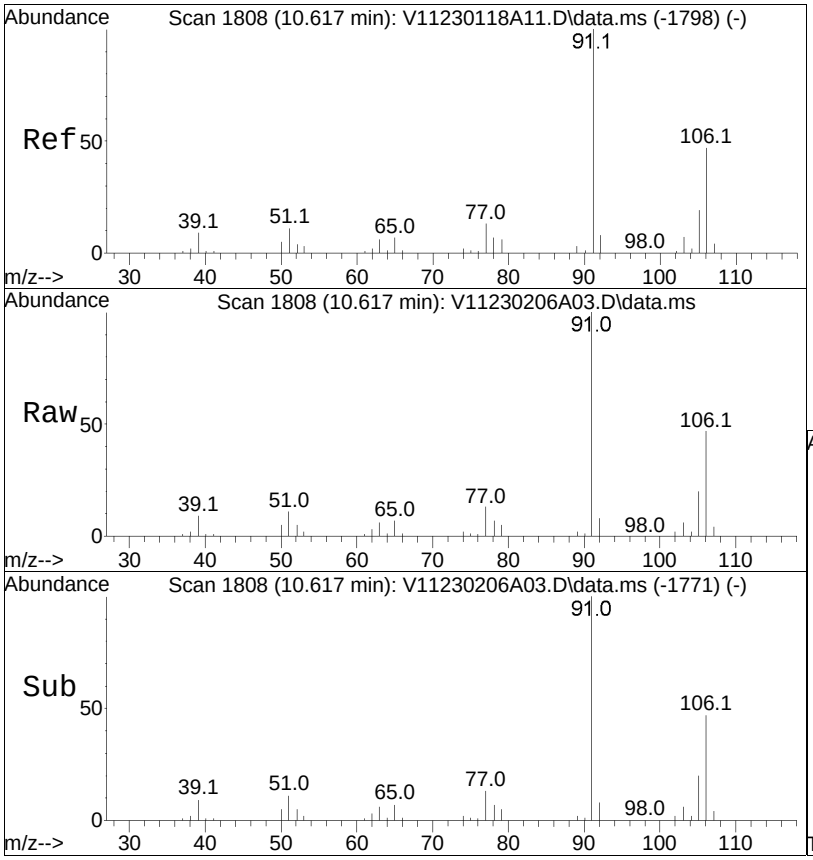


#76
p/m Xylene
Concen: 83.77 ug/L
RT: 10.092 min Scan# 1708
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:106 Resp: 137201

Ion	Ratio	Lower	Upper
106	100		
91	198.6	159.3	238.9

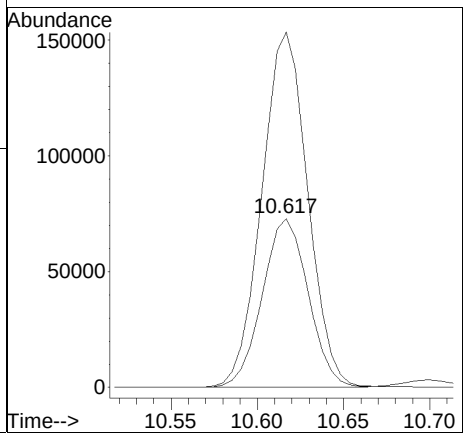


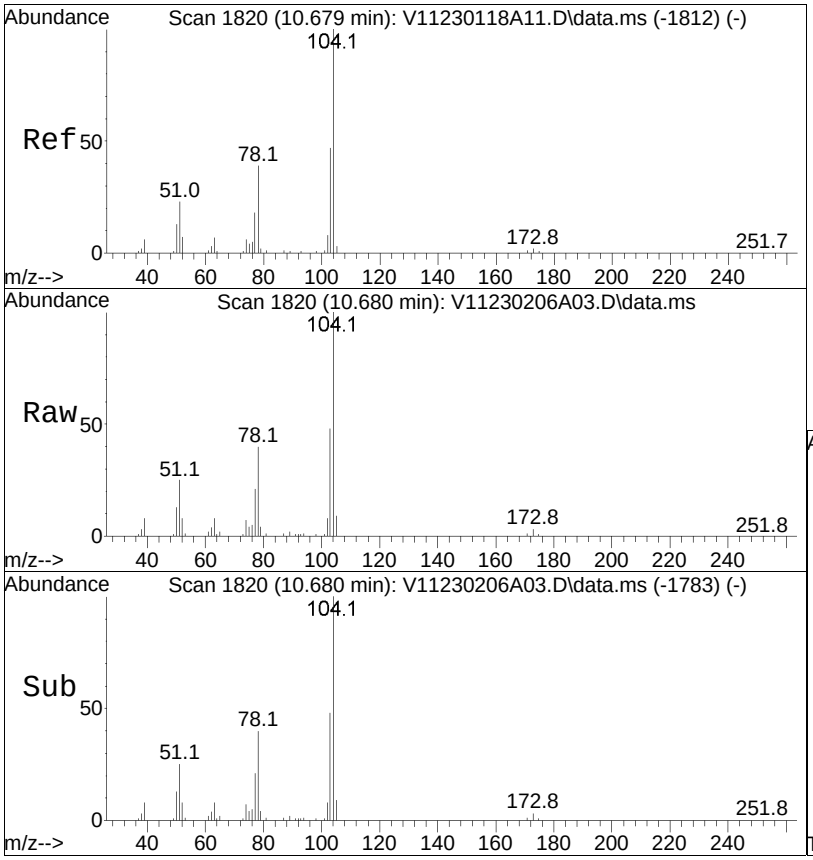


#77
o Xylene
Concen: 85.25 ug/L
RT: 10.617 min Scan# 1808
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:106 Resp: 134944

Ion	Ratio	Lower	Upper
106	100		
91	210.6	170.2	255.2

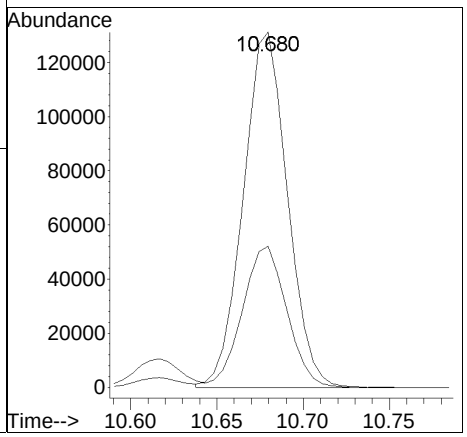


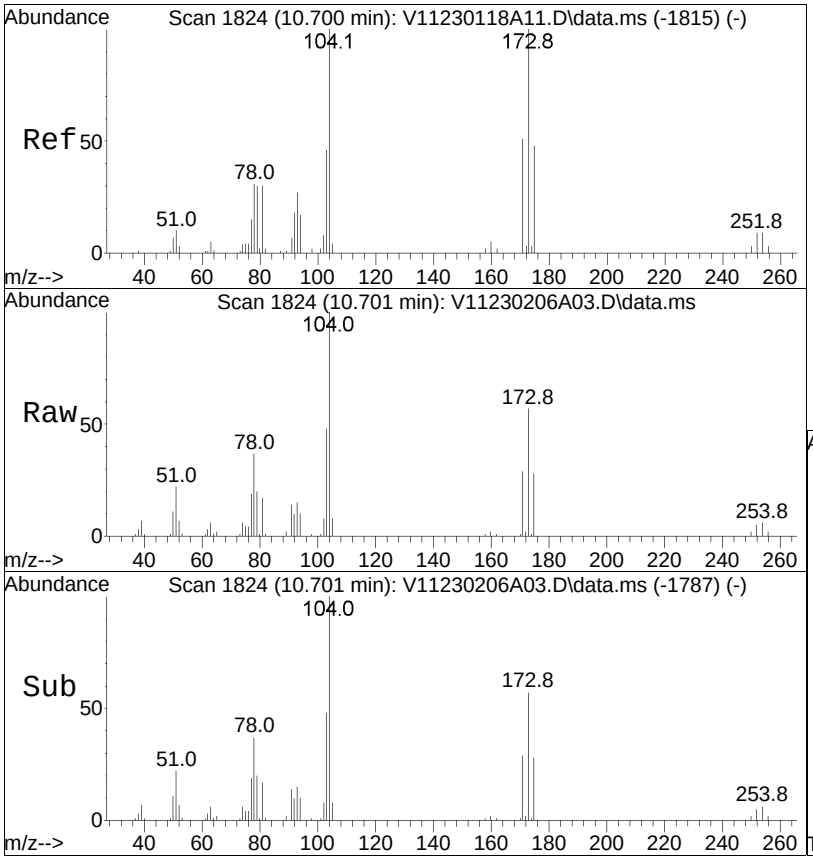


#78
Styrene
Concen: 87.27 ug/L
RT: 10.680 min Scan# 1820
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:104 Resp: 233265

Ion	Ratio	Lower	Upper
104	100		
78	39.8	34.4	51.6

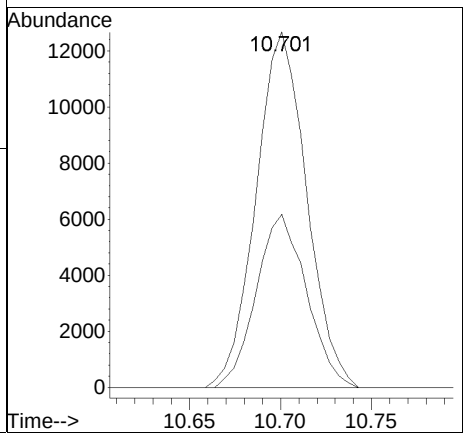


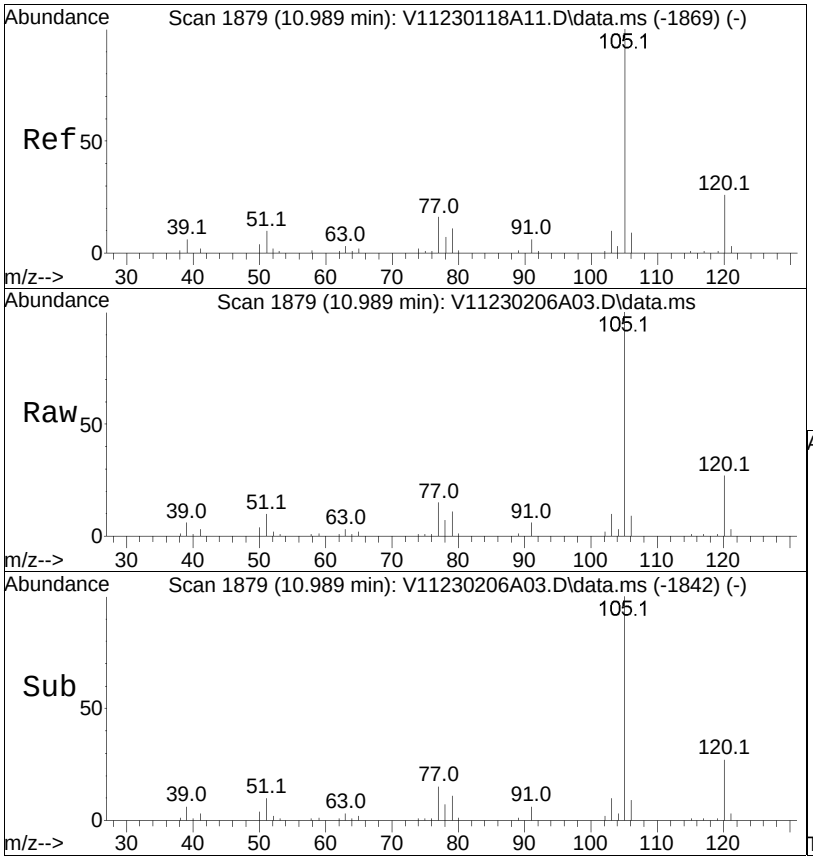


#80
Bromoform
Concen: 39.67 ug/L
RT: 10.701 min Scan# 1824
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:173 Resp: 24492

Ion	Ratio	Lower	Upper
173	100		
175	48.3	28.1	68.1

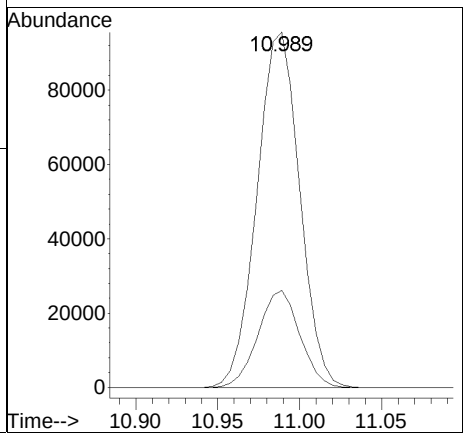


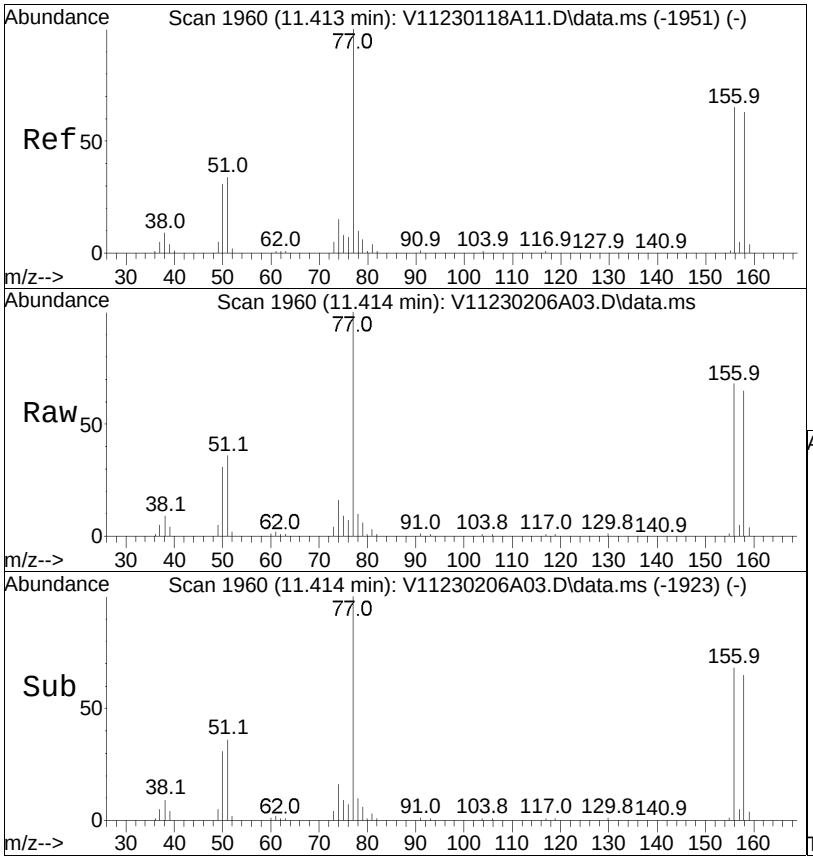


#82
Isopropylbenzene
Concen: 41.36 ug/L
RT: 10.989 min Scan# 1879
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:105 Resp: 173061

Ion	Ratio	Lower	Upper
105	100		
120	26.7	6.9	46.9

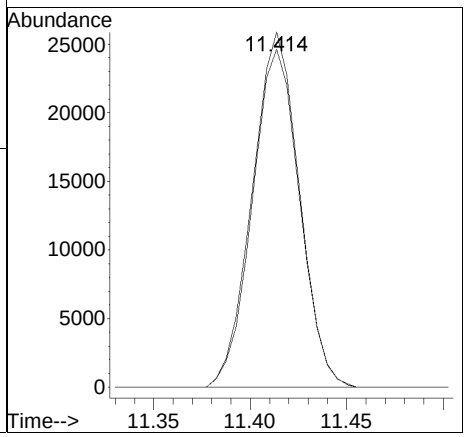


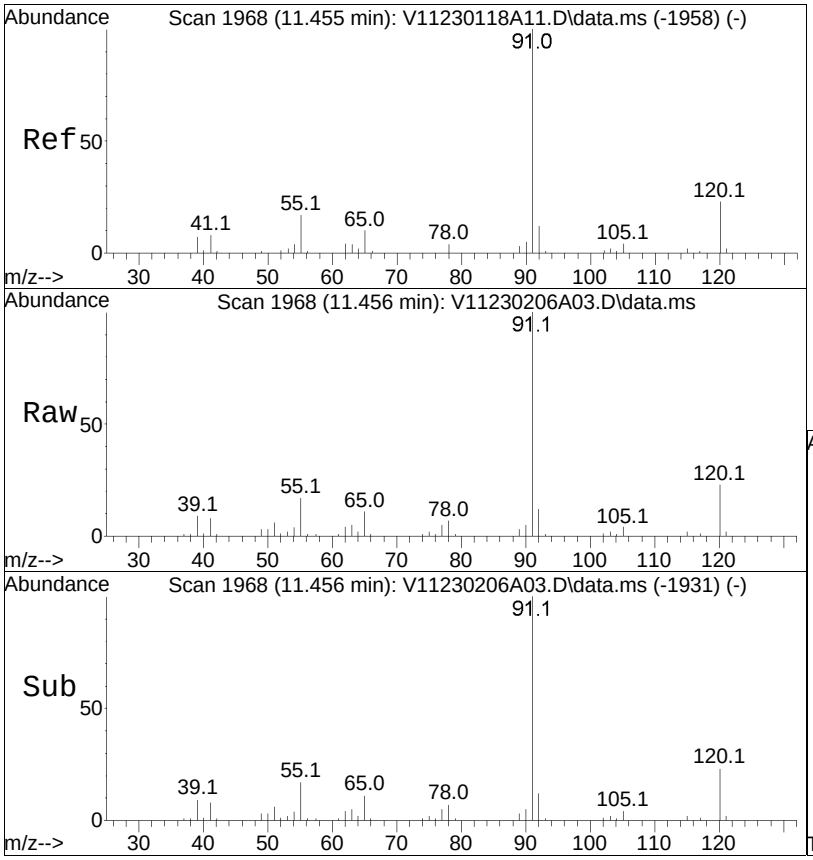


#84
Bromobenzene
Concen: 39.44 ug/L
RT: 11.414 min Scan# 1960
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:156 Resp: 43934

Ion	Ratio	Lower	Upper
156	100		
158	95.7	77.5	116.3

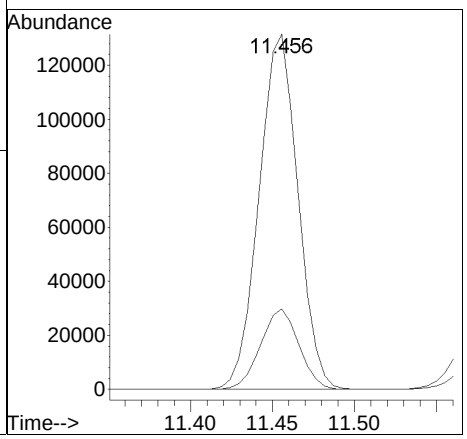


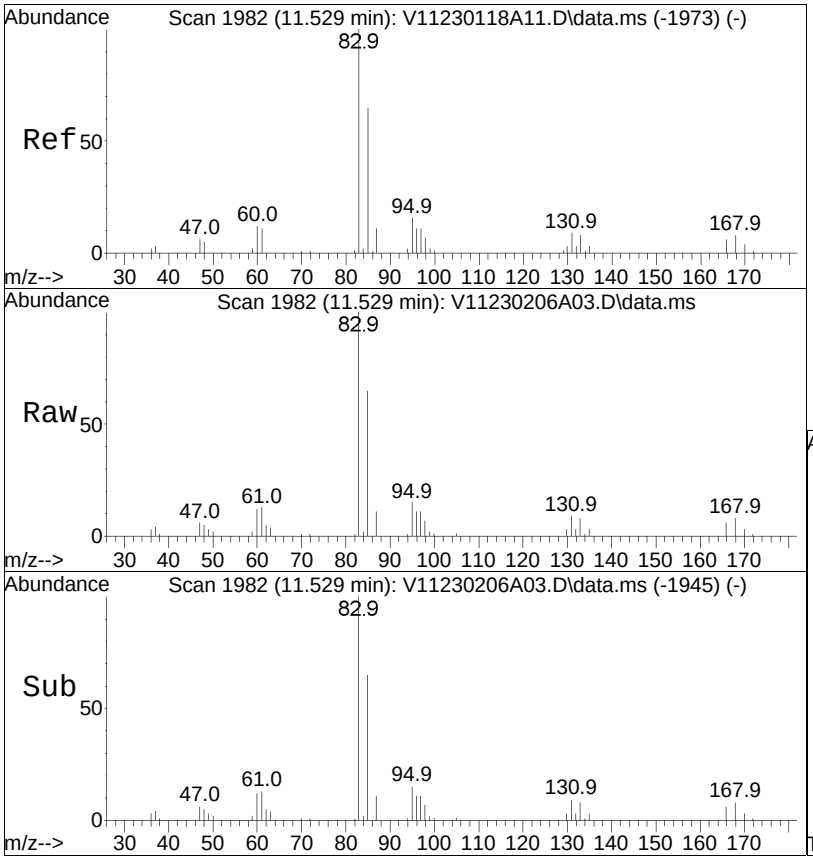


#85
n-Propylbenzene
Concen: 41.46 ug/L
RT: 11.456 min Scan# 1968
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 91 Resp: 216814

Ion	Ratio	Lower	Upper
91	100		
120	22.3	18.6	27.8

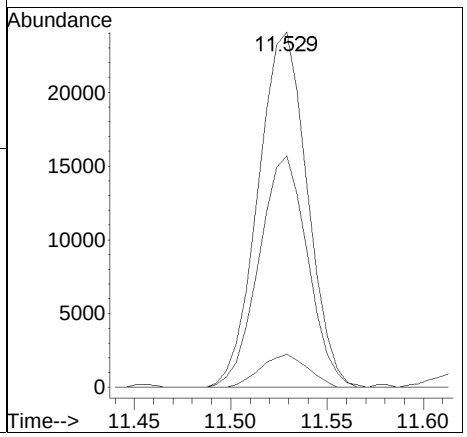


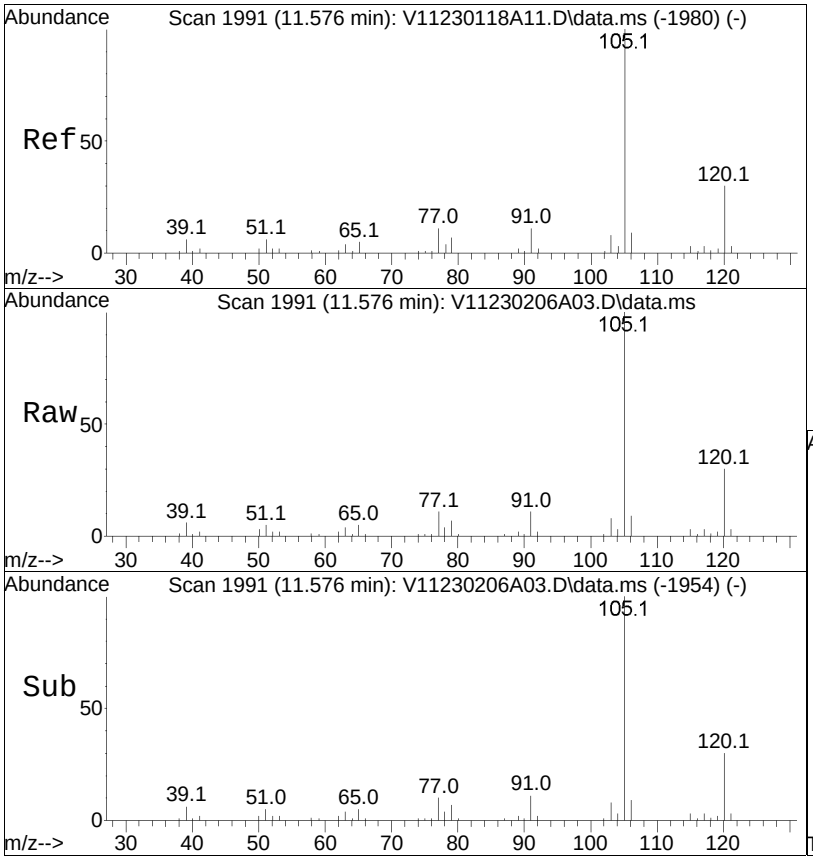


#87
1,1,2,2-Tetrachloroethane
Concen: 40.78 ug/L
RT: 11.529 min Scan# 1982
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 83 Resp: 42740

Ion	Ratio	Lower	Upper
83	100		
131	8.9	0.0	30.1
85	64.7	45.8	85.8

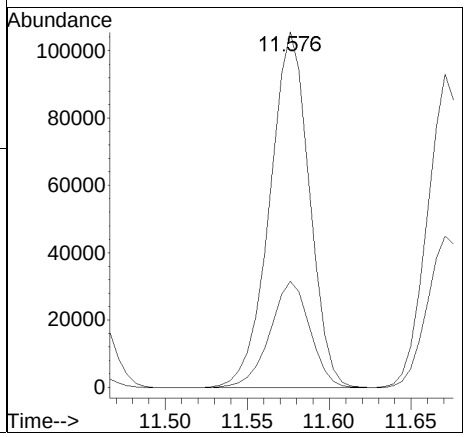


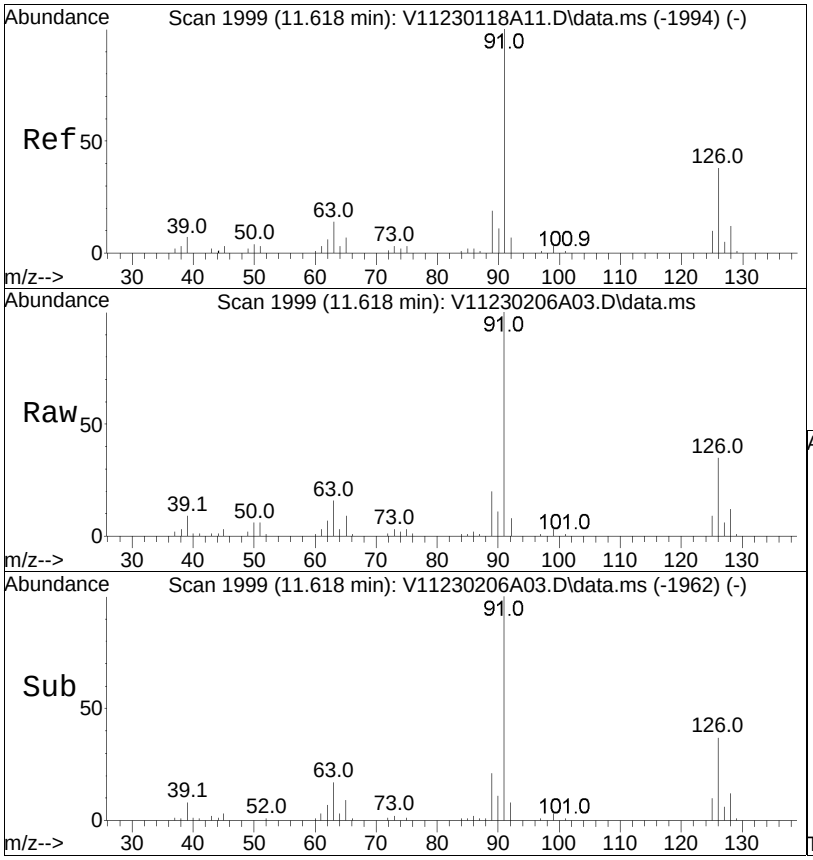


#88
4-Ethyltoluene
Concen: 42.33 ug/L
RT: 11.576 min Scan# 1991
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:105 Resp: 177411

Ion	Ratio	Lower	Upper
105	100		
120	30.0	19.5	40.5

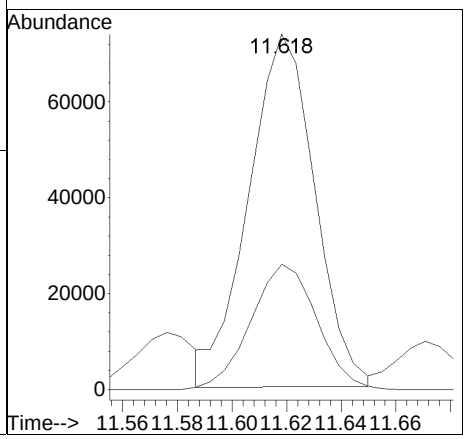


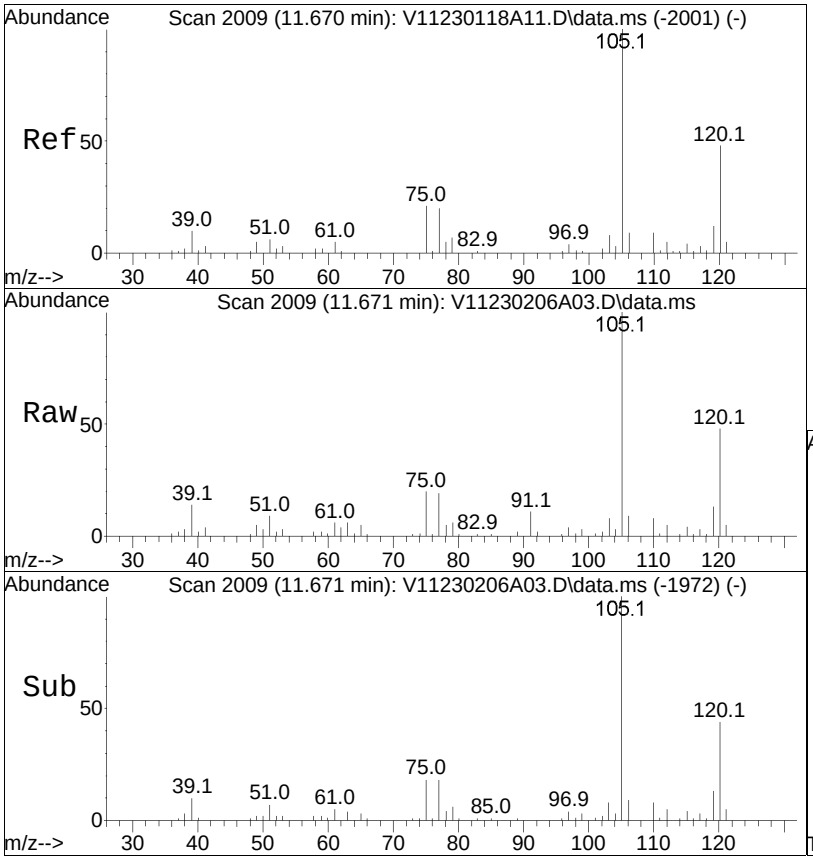


#89
2-Chlorotoluene
Concen: 40.42 ug/L
RT: 11.618 min Scan# 1999
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 91 Resp: 123985

Ion	Ratio	Lower	Upper
91	100		
126	35.3	24.3	36.5

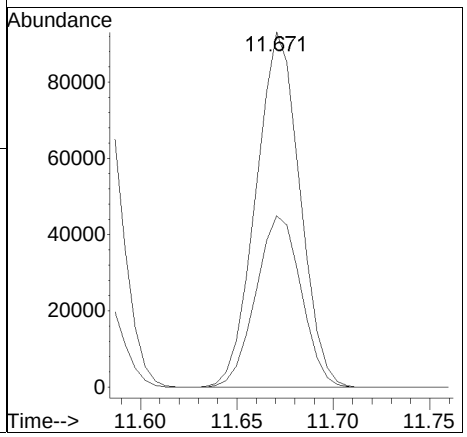


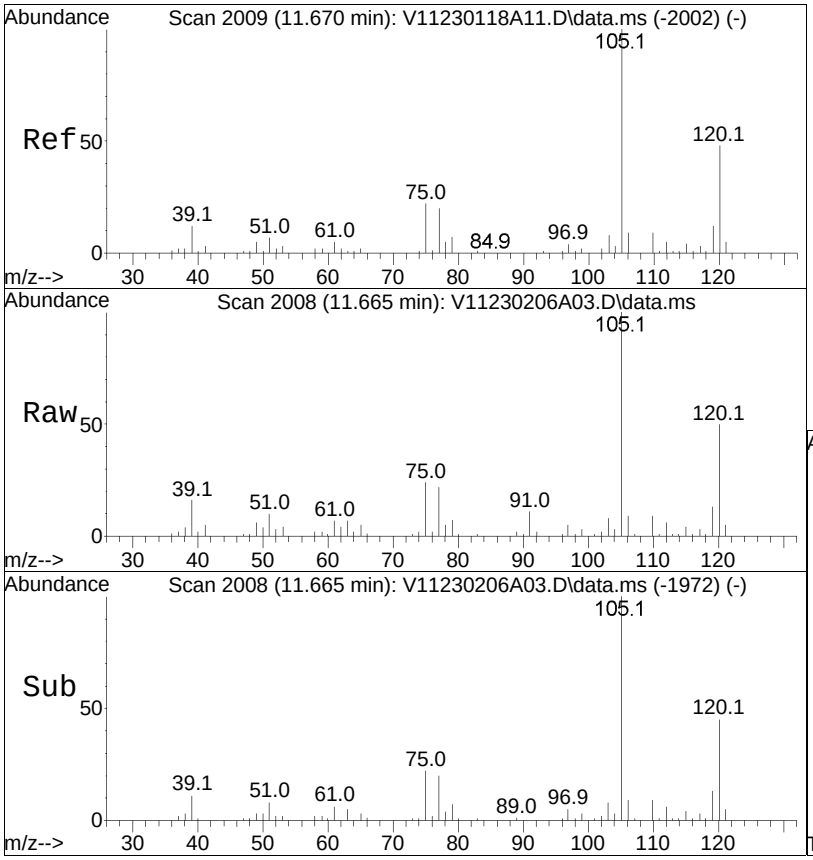


#90
1,3,5-Trimethylbenzene
Concen: 41.42 ug/L
RT: 11.671 min Scan# 2009
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:105 Resp: 147766

Ion	Ratio	Lower	Upper
105	100		
120	49.7	39.8	59.8

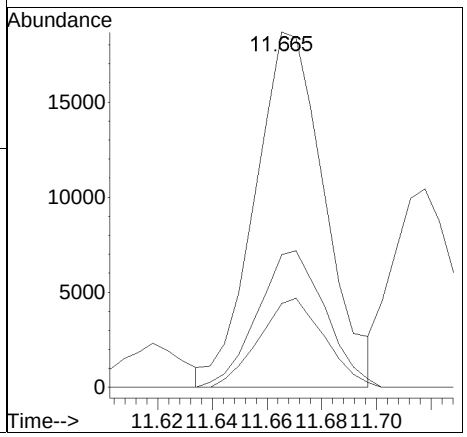


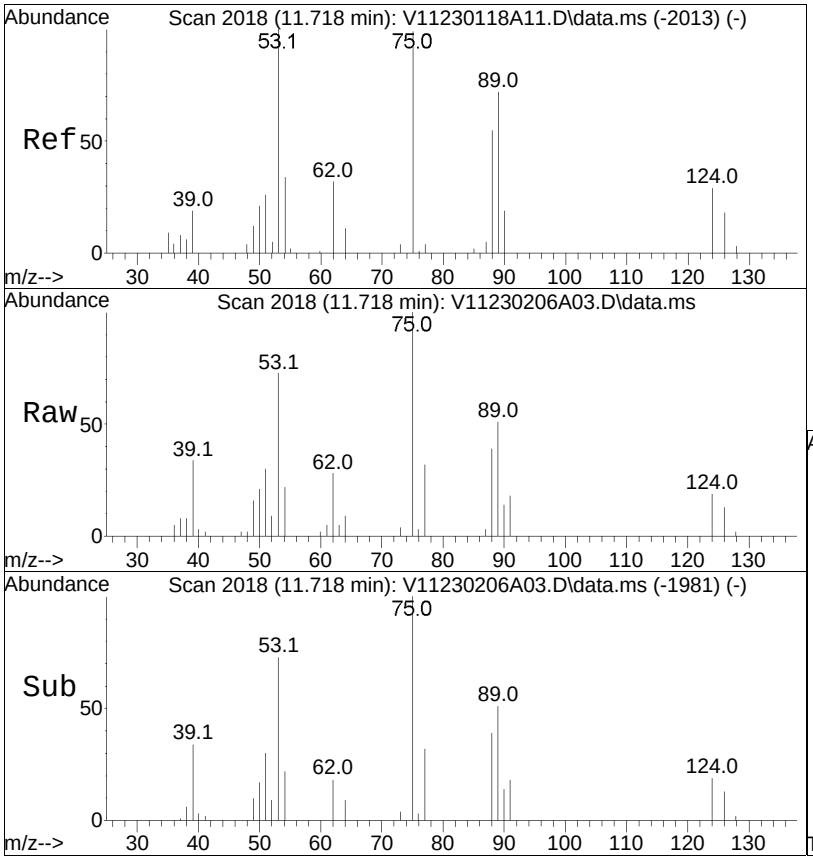


#91
1,2,3-Trichloropropane
Concen: 40.22 ug/L
RT: 11.665 min Scan# 2008
Delta R.T. -0.011 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 75 Resp: 33068

Ion	Ratio	Lower	Upper
75	100		
110	37.3	25.2	52.2
112	23.6	15.7	32.5

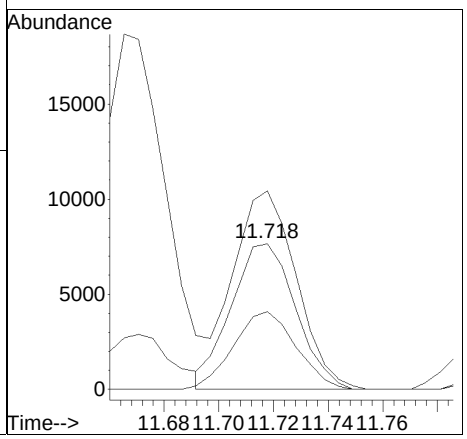


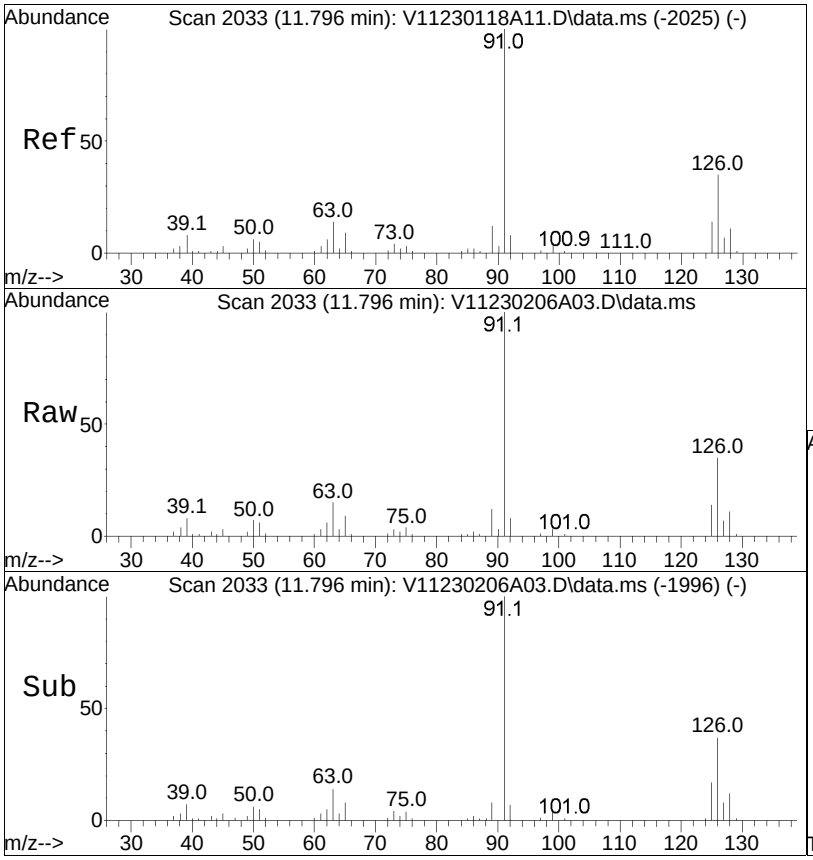


#92
trans-1,4-Dichloro-2-butene
Concen: 45.88 ug/L
RT: 11.718 min Scan# 2018
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 53 Resp: 12564

Ion	Ratio	Lower	Upper
53	100		
88	51.9	34.1	51.1#
75	130.1	82.8	124.2#

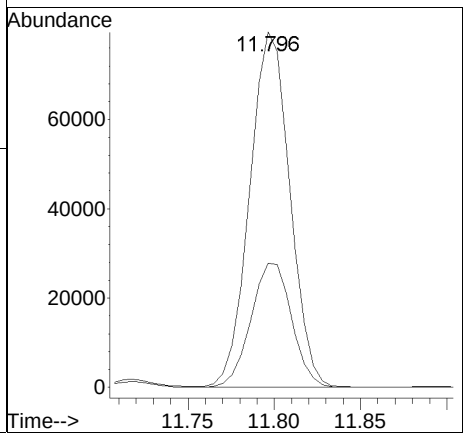


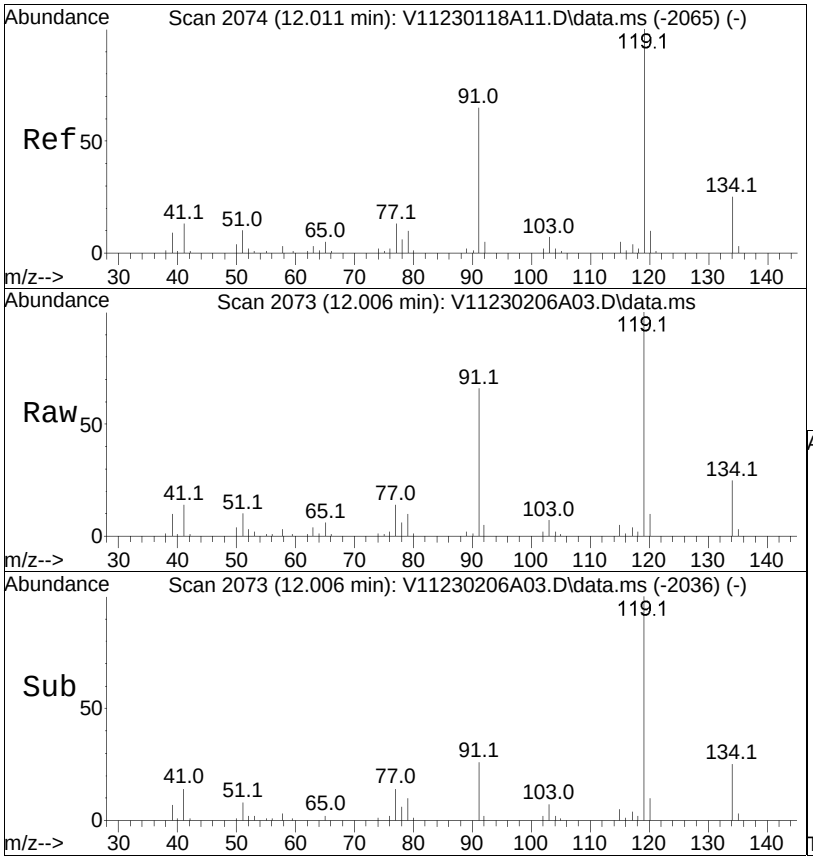


#93
4-Chlorotoluene
Concen: 40.52 ug/L
RT: 11.796 min Scan# 2033
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 91 Resp: 129162

Ion	Ratio	Lower	Upper
91	100		
126	35.4	27.9	41.9

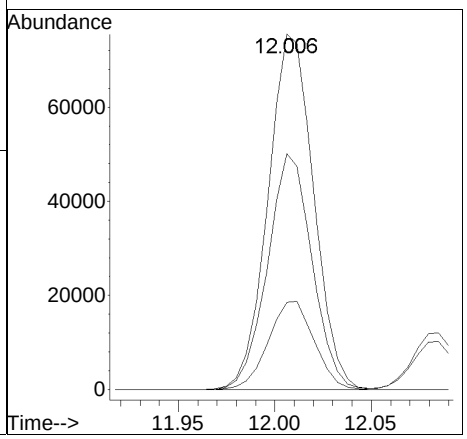


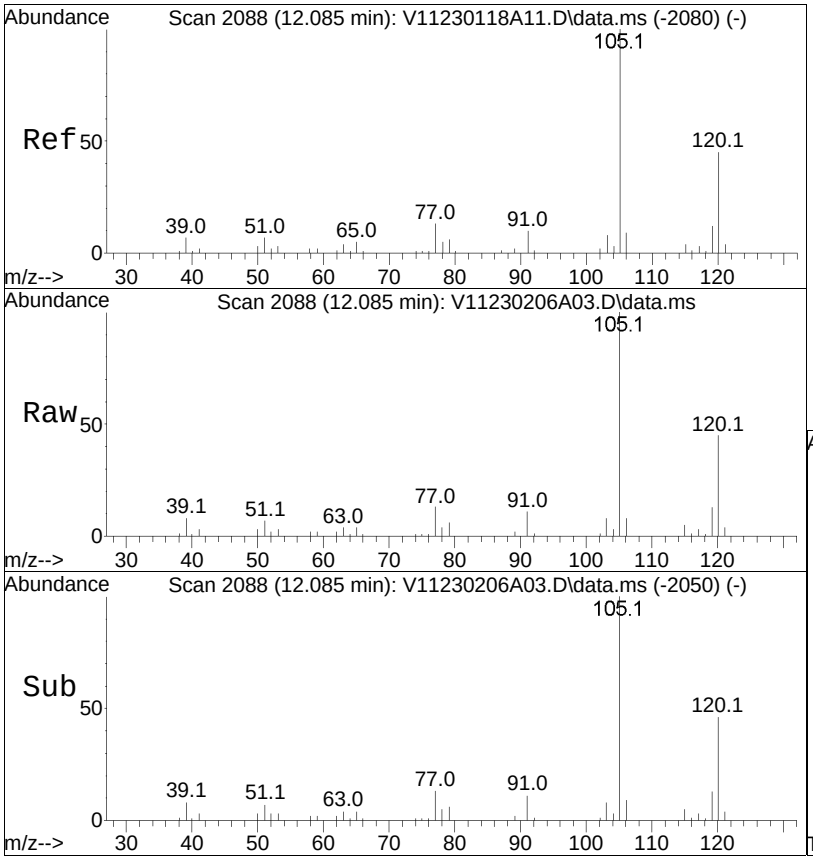


#94
tert-Butylbenzene
Concen: 41.21 ug/L
RT: 12.006 min Scan# 2073
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:119 Resp: 124119

Ion	Ratio	Lower	Upper
119	100		
91	64.6	53.0	79.4
134	24.9	19.8	29.6

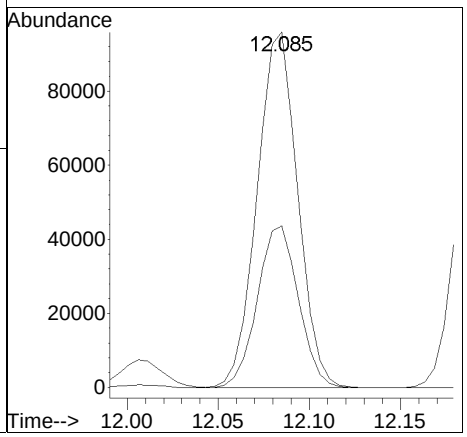


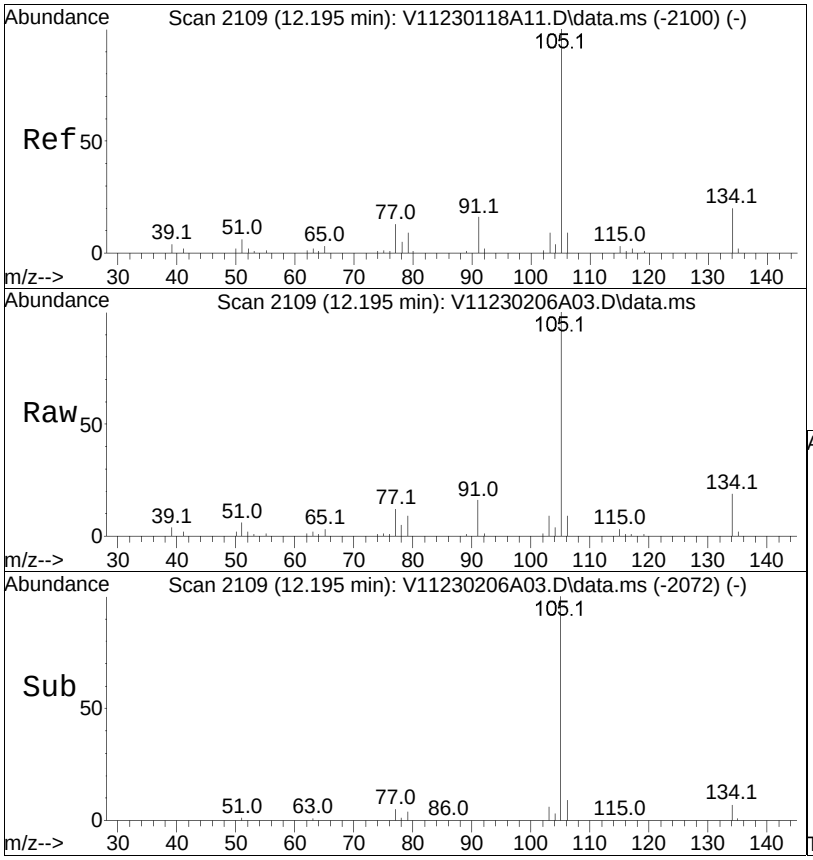


#97
1,2,4-Trimethylbenzene
Concen: 41.81 ug/L
RT: 12.085 min Scan# 2088
Delta R.T. -0.000 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:105 Resp: 148483

Ion	Ratio	Lower	Upper
105	100		
120	45.8	37.4	56.0

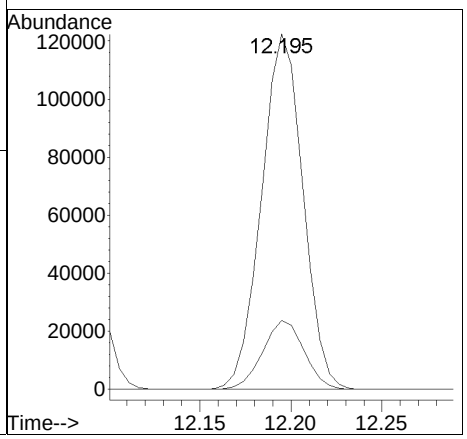


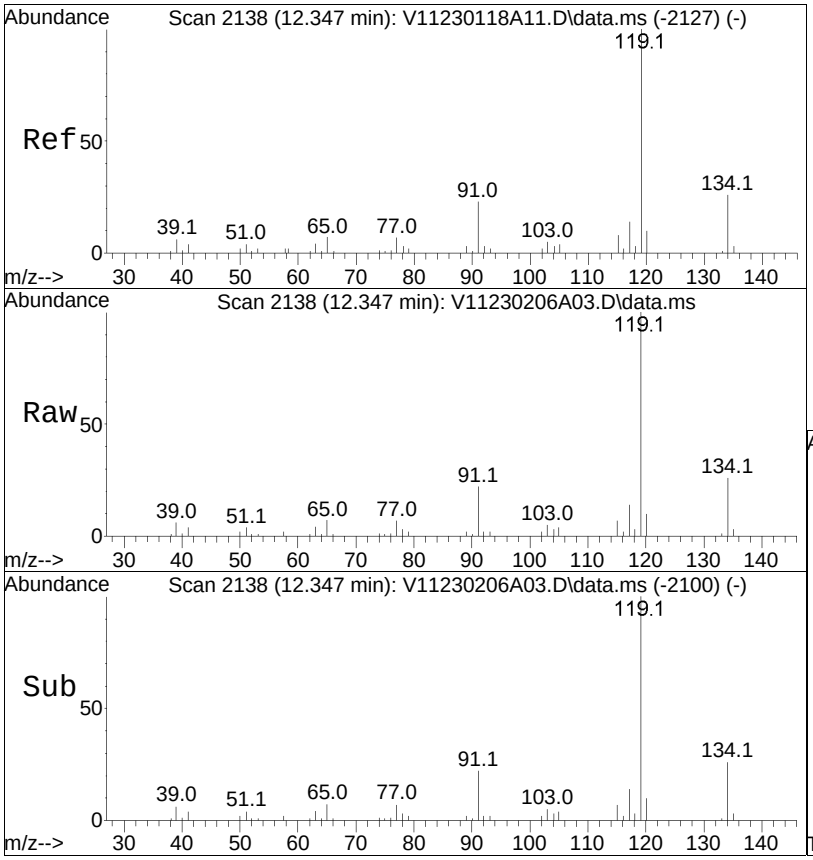


#98
sec-Butylbenzene
Concen: 42.51 ug/L
RT: 12.195 min Scan# 2109
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:105 Resp: 193832

Ion	Ratio	Lower	Upper
105	100		
134	19.4	13.2	27.4

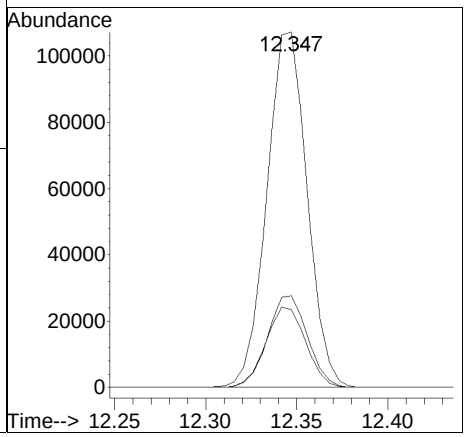


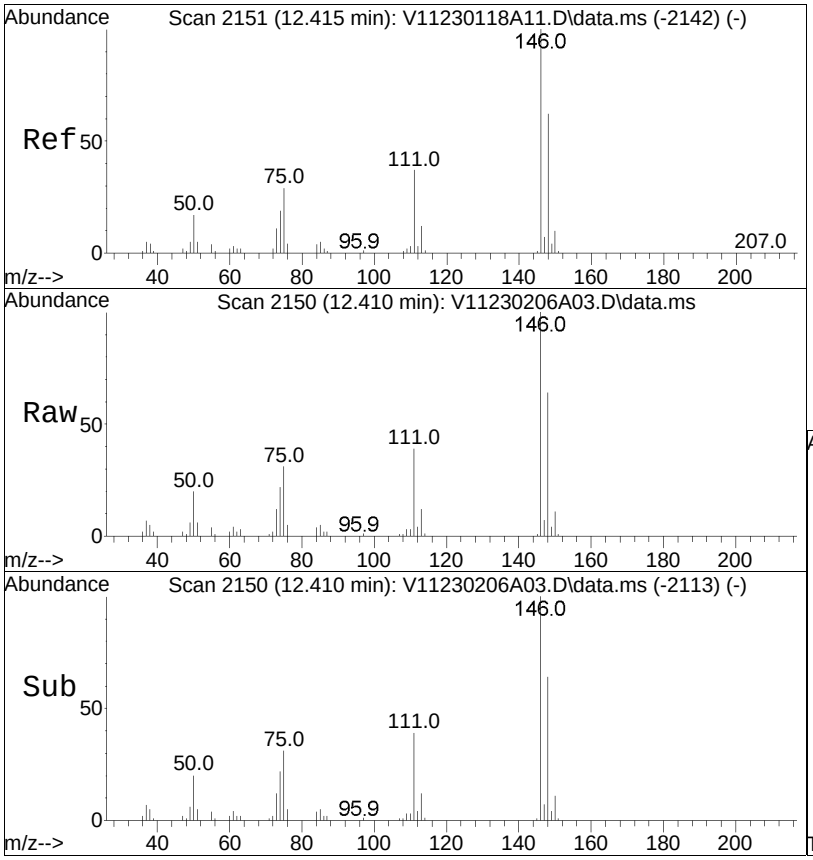


#99
p-Isopropyltoluene
Concen: 42.38 ug/L
RT: 12.347 min Scan# 2138
Delta R.T. -0.000 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:119 Resp: 164906

Ion	Ratio	Lower	Upper
119	100		
134	25.6	17.1	35.5
91	22.5	15.3	31.9

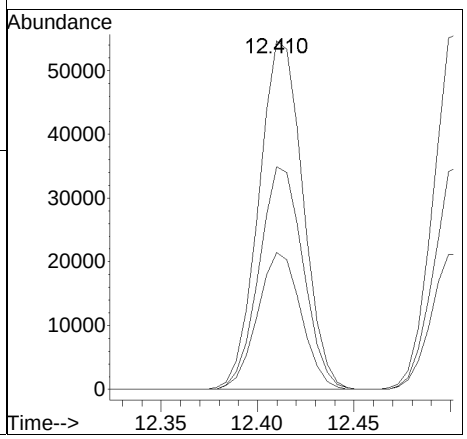


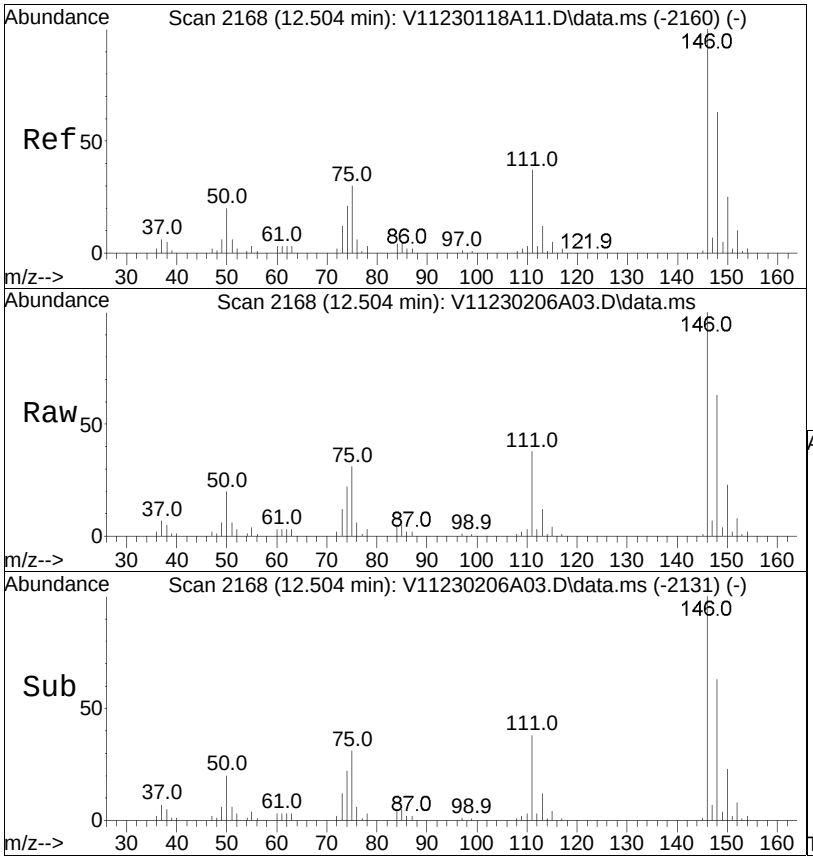


#100
1,3-Dichlorobenzene
Concen: 40.38 ug/L
RT: 12.410 min Scan# 2150
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:146 Resp: 87119

Ion	Ratio	Lower	Upper
146	100		
111	38.7	25.6	53.2
148	63.6	41.3	85.9

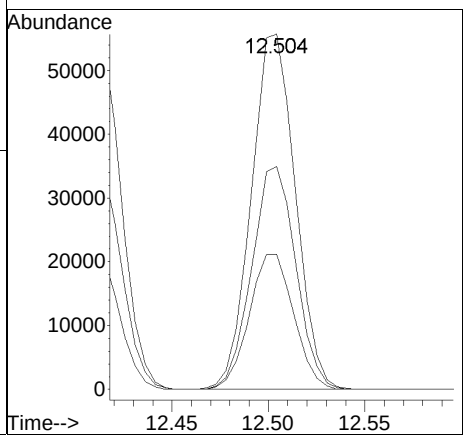


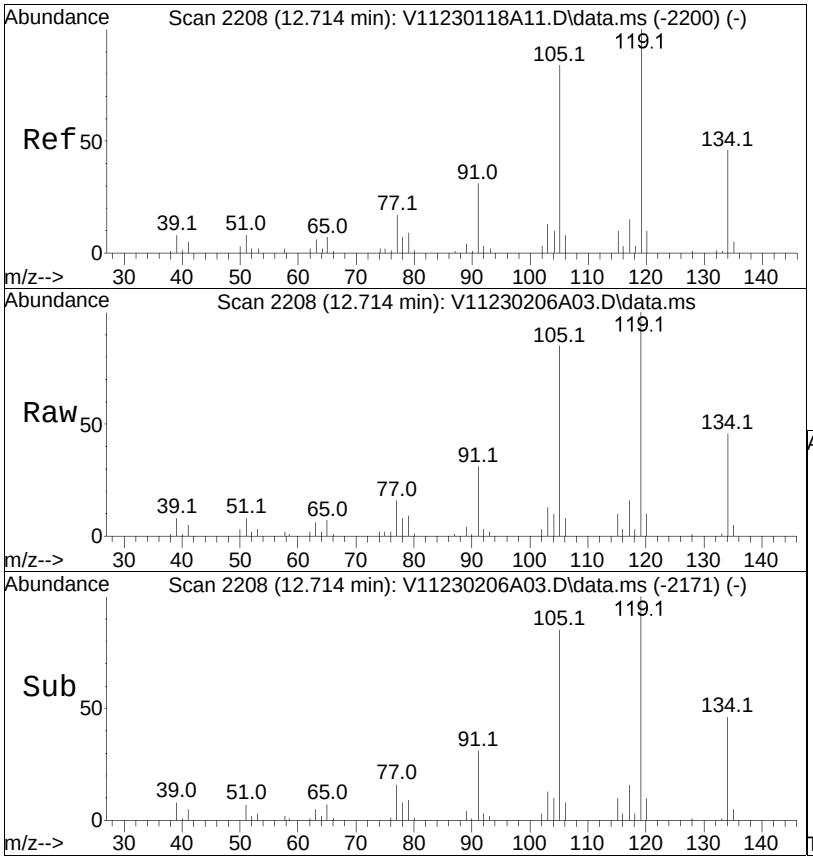


#101
1,4-Dichlorobenzene
Concen: 39.96 ug/L
RT: 12.504 min Scan# 2168
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:146 Resp: 88550

Ion	Ratio	Lower	Upper
146	100		
111	38.4	31.4	47.0
148	62.8	50.7	76.1

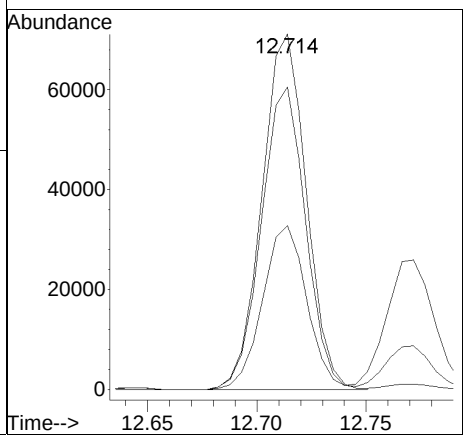


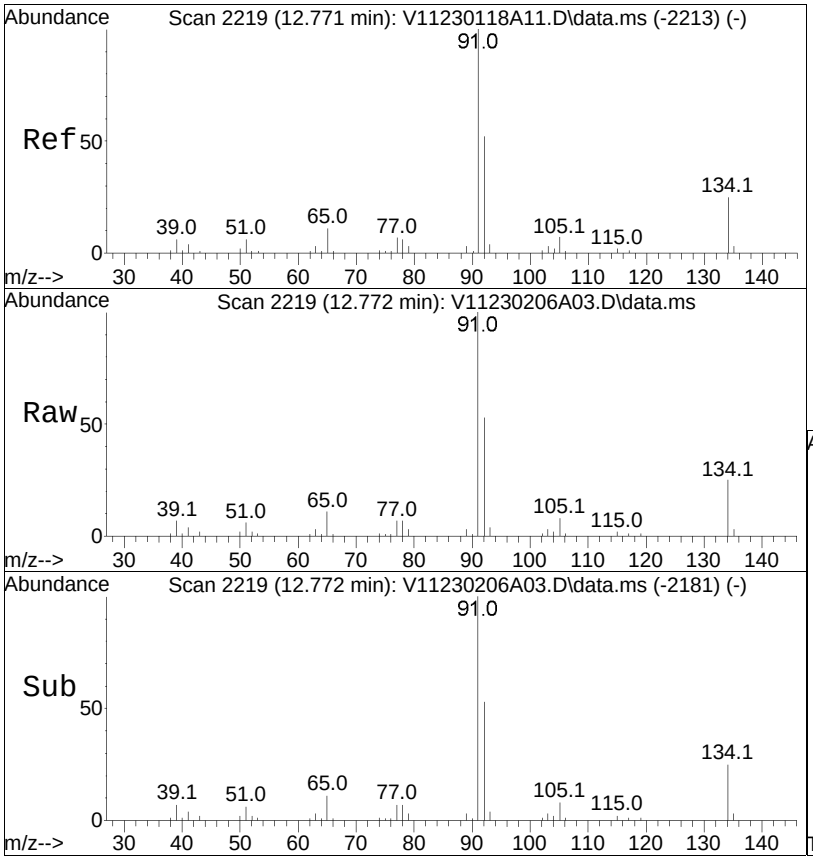


#102
p-Diethylbenzene
Concen: 42.94 ug/L
RT: 12.714 min Scan# 2208
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:119 Resp: 100337

Ion	Ratio	Lower	Upper
119	100		
105	85.0	54.5	113.3
134	45.9	29.9	62.1

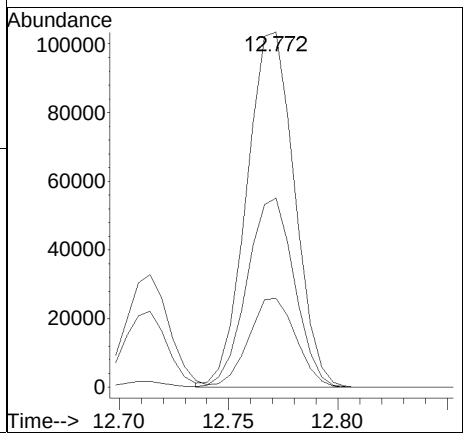


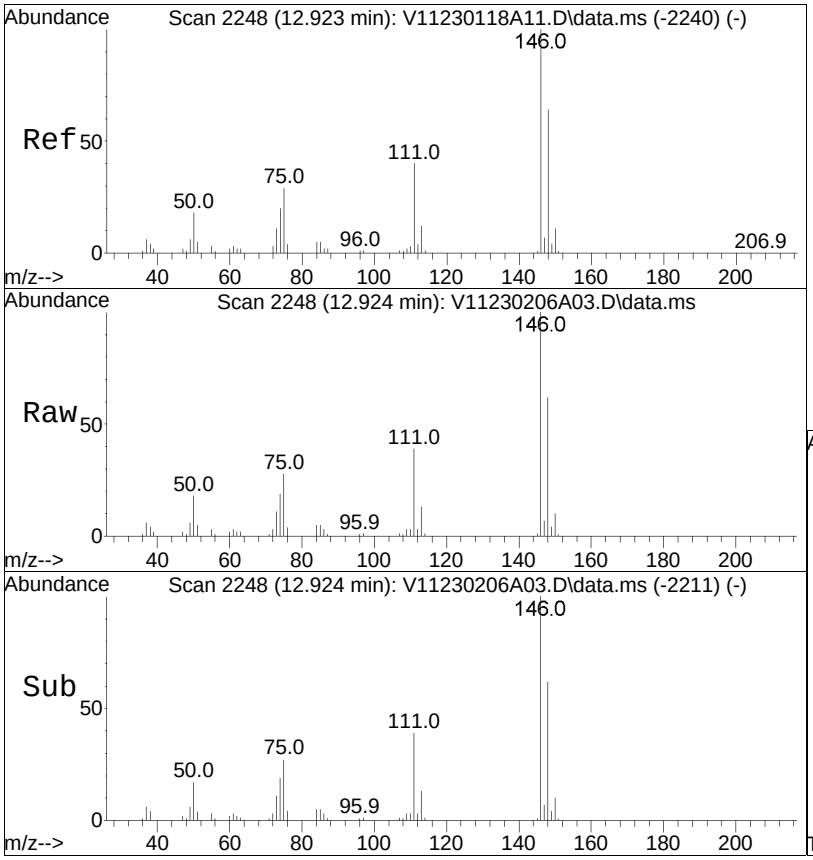


#103
n-Butylbenzene
Concen: 43.97 ug/L
RT: 12.772 min Scan# 2219
Delta R.T. 0.001 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion: 91 Resp: 157792

Ion	Ratio	Lower	Upper
91	100		
92	52.9	43.3	64.9
134	24.8	21.4	32.0

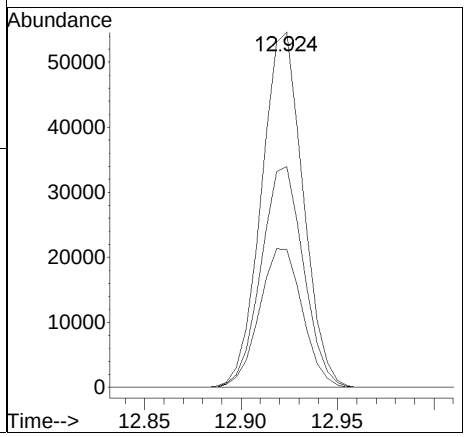


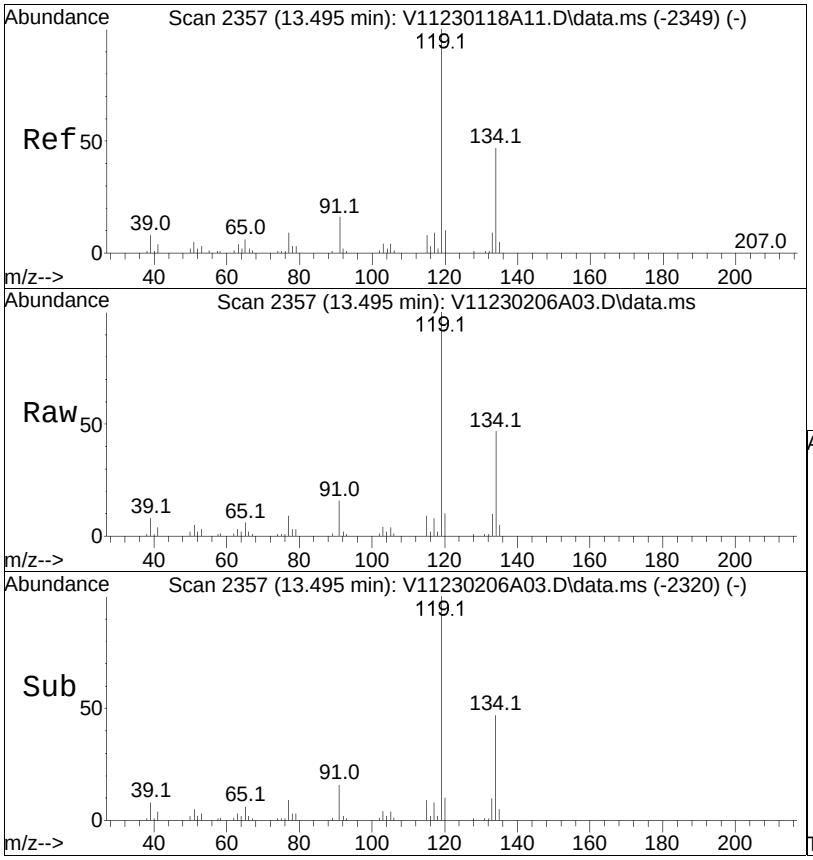


#104
1,2-Dichlorobenzene
Concen: 40.23 ug/L
RT: 12.924 min Scan# 2248
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:146 Resp: 82138

Ion	Ratio	Lower	Upper
146	100		
111	40.5	26.9	55.9
148	63.2	41.2	85.6

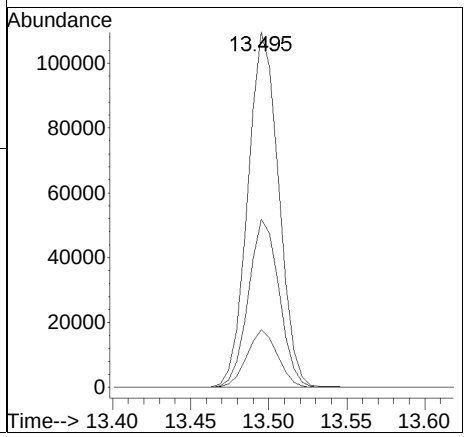


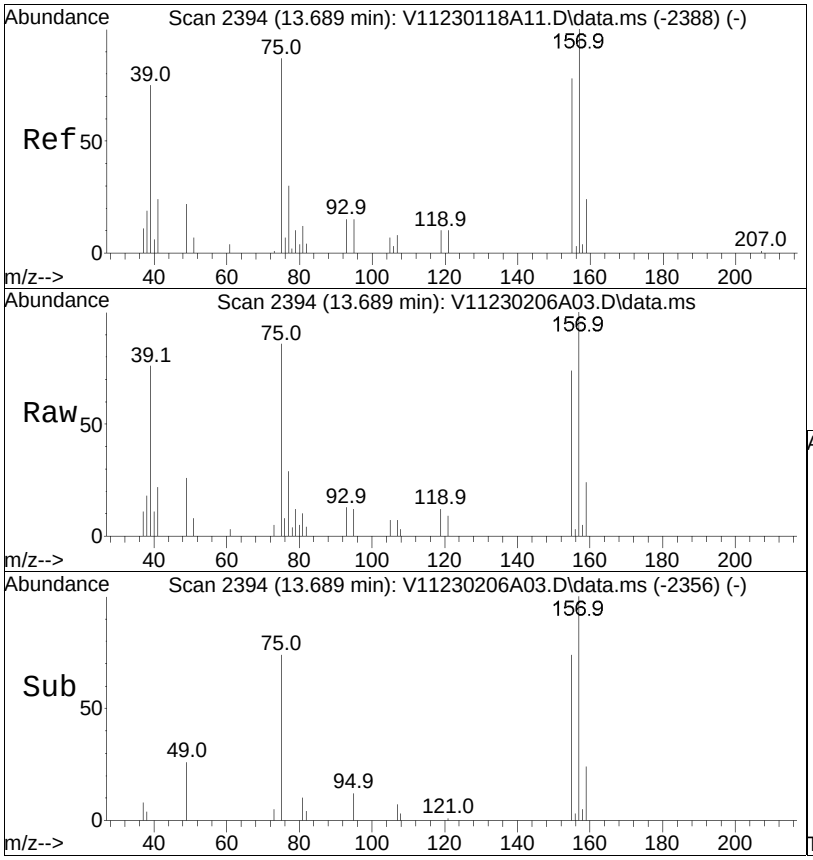


#105
1,2,4,5-Tetramethylbenzene
Concen: 41.46 ug/L
RT: 13.495 min Scan# 2357
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:119 Resp: 151295

Ion	Ratio	Lower	Upper
119	100		
134	47.1	31.1	64.5
91	16.0	10.4	21.6

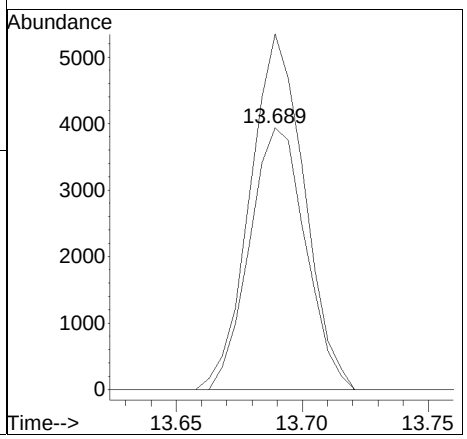


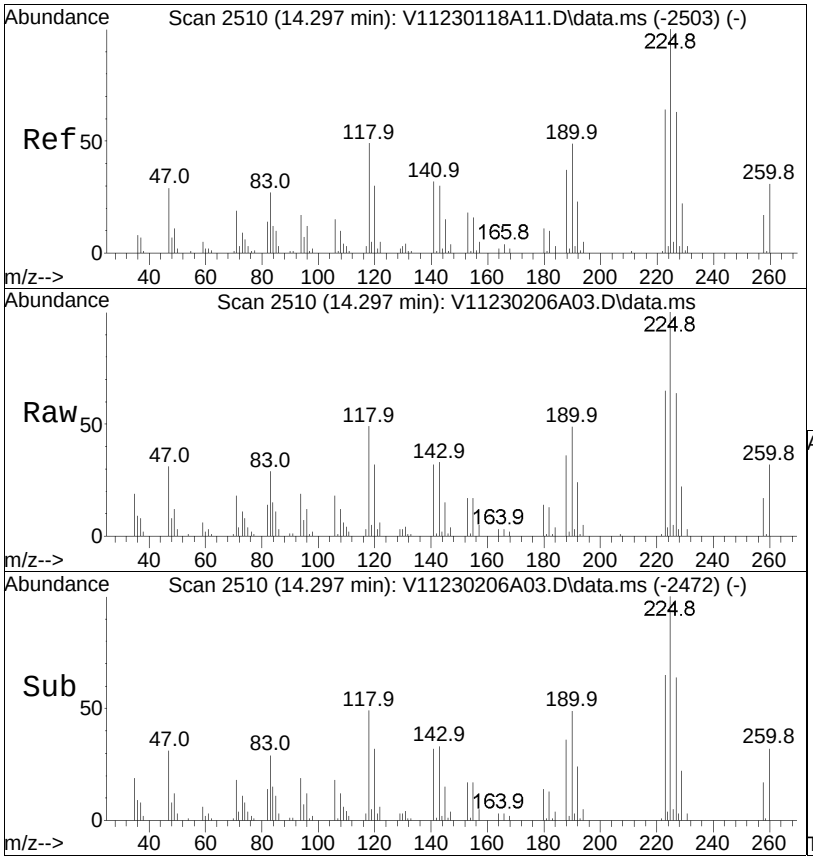


#106
1,2-Dibromo-3-chloropropane
Concen: 39.20 ug/L
RT: 13.689 min Scan# 2394
Delta R.T. 0.000 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:155 Resp: 6068

Ion	Ratio	Lower	Upper
155	100		
157	131.6	100.0	150.0

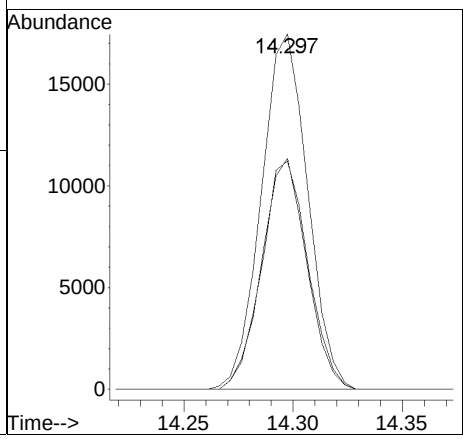


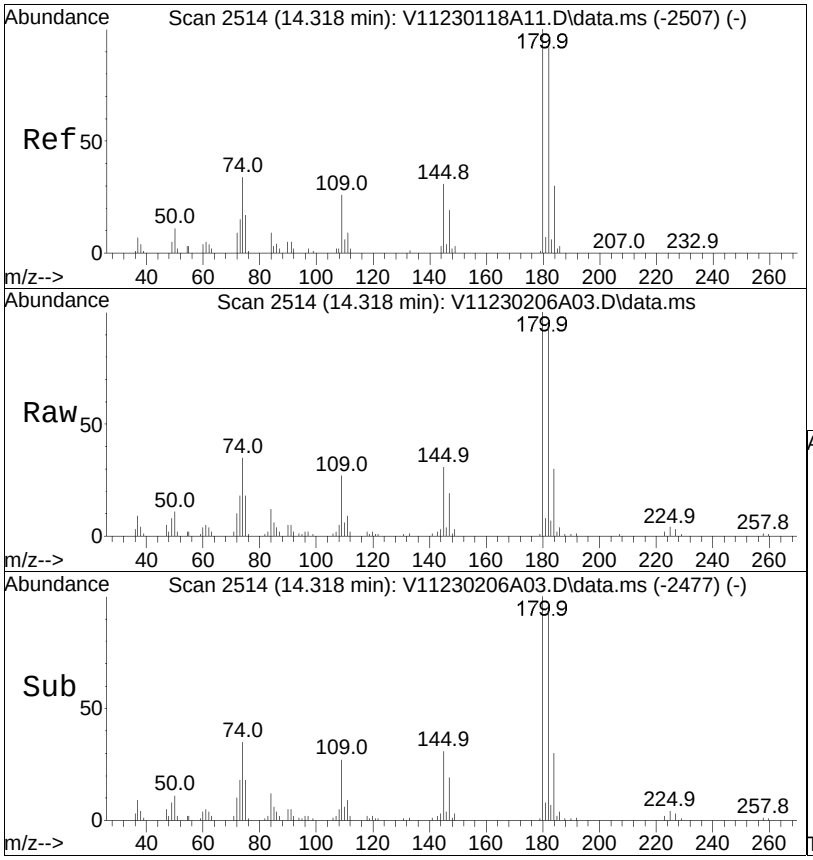


#108
Hexachlorobutadiene
Concen: 40.74 ug/L
RT: 14.297 min Scan# 2510
Delta R.T. 0.000 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:225 Resp: 25813

Ion	Ratio	Lower	Upper
225	100		
223	62.9	49.9	74.9
227	64.2	50.6	75.8

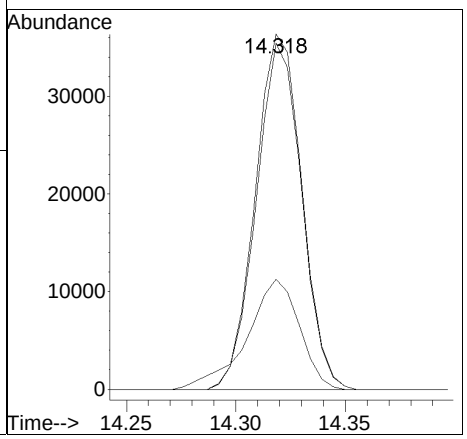


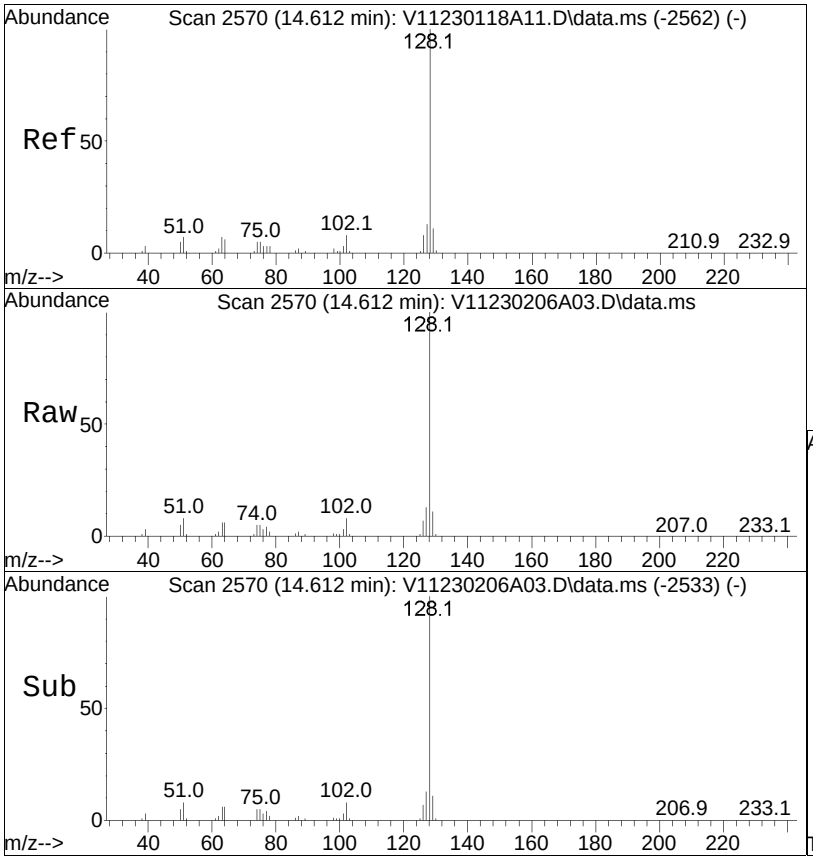


#109
1,2,4-Trichlorobenzene
Concen: 41.89 ug/L
RT: 14.318 min Scan# 2514
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:180 Resp: 53932

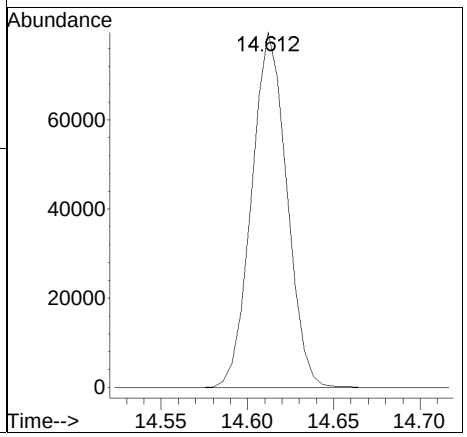
Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.8	113.6
145	34.9	29.6	44.4

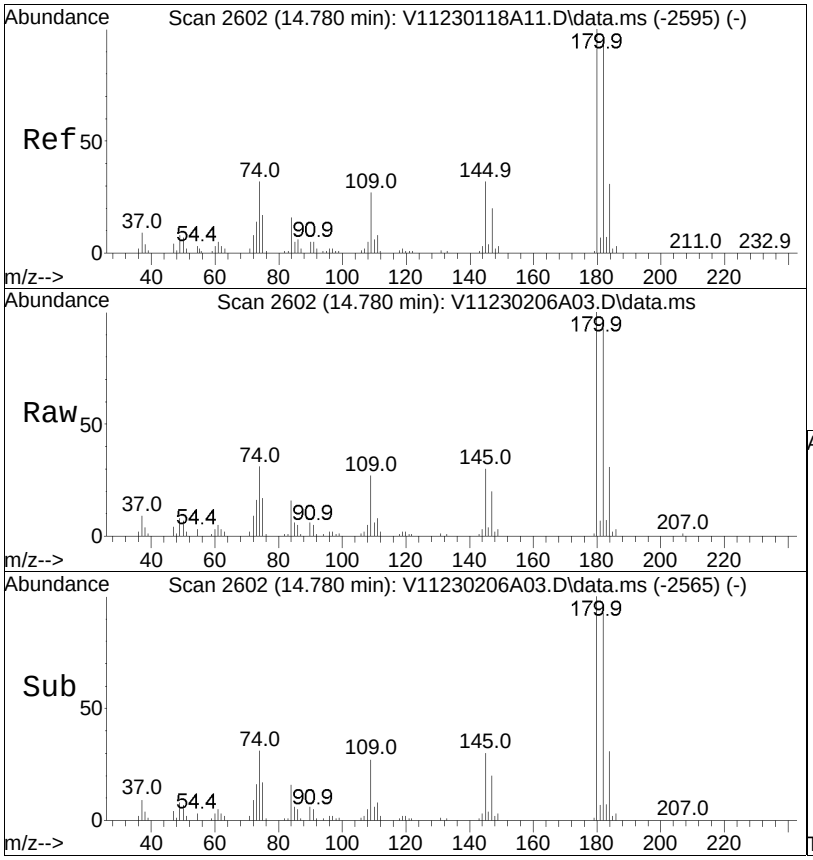




#110
Naphthalene
Concen: 40.81 ug/L
RT: 14.612 min Scan# 2570
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:128 Resp: 112942

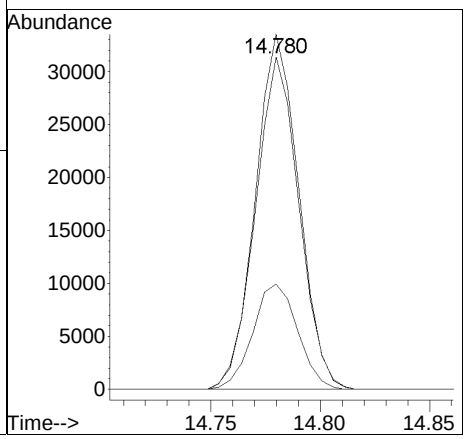




#111
1,2,3-Trichlorobenzene
Concen: 43.09 ug/L
RT: 14.780 min Scan# 2602
Delta R.T. -0.005 min
Lab File: V11230206A03.D
Acq: 06 Feb 2023 08:11 am

Tgt Ion:180 Resp: 46314

Ion	Ratio	Lower	Upper
180	100		
182	93.7	74.2	111.4
145	30.7	26.3	39.5



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2	QMethod	: V111_230118_8260.m
Data File	: V11230206A03.D	Operator	: VOA111:NLK
Date Inj'd	: 2/6/2023 8:11 am	Instrument	: VOA111
Sample	: WG1741518-4,31,5,5	Quant Date	: 2/6/2023 8:31 am

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

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)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Feb 07 2023, 01:32 pm

Work Group: WG1741518 for Department: 31 GC/MS - Volatiles

Created: 06-FEB-23 Due: Operator: AJK

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2305781-01	A4-PB	S	NYTCL-8260HLW	SOIL	SEC	U	0216	0209	S0	8260SET
L2305781-02	B4-PB	S	NYTCL-8260HLW	SOIL	DONE	U	0216	0209	S0	8260SET
L2305912-01	PX-NE	S	NYTCL-8260HLW	SOIL	DONE	U	0216	0209	S0	8260SET
L2305934-01	HA-04 (2-4')	S	NYTCL-8260HLW	SOIL	DONE	U	0216	0208	S0	8260SET
L2305934-02	HA-04 (6-8')	S	NYTCL-8260HLW	SOIL	DONE	U	0216	0208	S0	8260SET
L2305934-03	HA-04 (10-12')	S	NYTCL-8260HLW	SOIL	DONE	U	0216	0208	S0	8260SET
L2305934-07	HA-05 (10-12')	S	NYTCL-8260HLW	SOIL	DONE	U	0216	0208	S0	8260SET
L2305934-08	HA-05 (14-16')	S	NYTCL-8260HLW	SOIL	DONE	U	0216	0208	S0	8260SET
L2305934-09	DUP_1_02022023	S	NYTCL-8260HLW	SOIL	DONE	U	0216	0208	S0	8260SET
L2306164-01	SB01_2-3	S	NYTCL-8260HLW	SOIL	DONE	U	0217	0209	S0	8260SET
WG1741518-1	MS BFB Tune Standard	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1741518-2	Continuing Calibrati	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1741518-3	Laboratory Control S	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1741518-4	LCS Duplicate	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1741518-5	Laboratory Method Bl	S	NYTCL-8260HLW	SOIL	DONE	U				

Comments:

WG1741518-4 WG1741518-3

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Feb 07 2023, 01:32 pm

Work Group: WG1741609 for Department: 31 GC/MS - Volatiles

Created: 07-FEB-23 Due: Operator: mjv

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2305784-01	EFFLUENT LINDE 1	S	NYTCL-8260-R2	WATER	SEC	U	0216	0209	S0	Vial-B
L2305912-02	FIELD BLANK	S	NYTCL-8260	WATER	DONE	U	0216	0209	S0	Vial-B
L2305912-03	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	0216	0209	S0	Vial-B
L2305913-01	AVS-EFF	S	NYTCL-8260-R2	WATER	DONE	U	0216	0209	S0	Vial-B
L2305913-04	TB02022023	S	NYTCL-8260-R2	WATER	DONE	U	0216	0209	S0	Vial-B
L2306162-01	TMW02_020323	S	NYTCL-8260	WATER	DONE	U	0217	0209	S0	Vial-B
L2306162-02	TMW05_020323	S	NYTCL-8260	WATER	DONE	U	0217	0209	S0	Vial-B
WG1741609-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG1741609-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG1741609-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG1741609-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG1741609-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG1741609-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1741609-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG1741609-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1741609-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				
WG1741609-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DACQ	U				

Comments:

WG1741609-4 WG1741609-3

Inst: VOA111 BFB V9469 Method GC: 8260_

nitials: NLK IS/SS: V9476 Autosampler: 8260soi

Date: **01/18/23** ICAL: V9480,V9452D Concentrator: 8260_

Run: **A** ICV: V9485,V9471,V9472,V9450,V9473,V9474 QC:_____ Seq:_____

Vial	Data File	Sample
1	V11230118ABF1	BFB
1	V11230118A01	BLK
2	V11230118A02	BLK
3	V11230118A03	I8260STD0.5PPB
4	V11230118A04	I8260STD0.5PPB
5	V11230118A05	I8260STD1PPB
6	V11230118A06	I8260STD1PPB
7	V11230118A07	I8260STD2PPB
8	V11230118A08	I8260STD2PPB
9	V11230118A09	I8260STD4PPB
10	V11230118A10	I8260STD20PPB
11	V11230118A11	I8260STD40PPB
12	V11230118A12	I8260STD100PPB
13	V11230118A13	I8260STD200PPB
14	V11230118A14	I8260STD300PPB
15	V11230118A15	BLK
16	V11230118A16	BLK
17	V11230118A17	BLK
18	V11230118A18	BLK
19	V11230118A19	C8260STD40PPB
20	V11230118A20	C8260STD40PPB
21	V11230118A21	BLK
22	V11230118A22	BLK
23	V11230118A23	MDL 0.5PPB
24	V11230118A24	MDL 1.0PPB
	V11230118A25	MDL 4.0PPB

Inst: VOA122 BFB: V9469 Method GC: 8260_water
Initials: TMS IS/SS: V9461 Autosampler: 8260V122
Date: **01/24/23** ICAL: V9491B,V9492 Concentrator: 8260water
Run: **N** ICV: V9485,V9471,V9472,V9495,V9494,V9474 QC:___ Seq:_____

Vial	Data File	Sample	pH<2
1	V22230124NBF2	BFB TUNE	
1	V22230124N01	BLK	
2	V22230124N02	BLK	
3	V22230124N03	I8260STD0.19PPB	
4	V22230124N04	I8260STD0.19PPB	
5	V22230124N05	I8260STD0.5PPB	
6	V22230124N06	I8260STD0.5PPB	
7	V22230124N07	I8260STD2PPB	
8	V22230124N08	I8260STD2PPB	
9	V22230124N09	I8260STD10PPB	
10	V22230124N10	I8260STD30PPB	
11	V22230124N11	I8260STD80PPB	
12	V22230124N12	I8260STD120PPB	
13	V22230124N13	I8260STD200PPB	
14	V22230124N14	BLK	
15	V22230124N15	BLK	
16	V22230124N16	BLK	
17	V22230124N17	BLK	
18	V22230124N18	BLK	
19	V22230124N19	C8260STD10PPB	
20	V22230124N20	C8260STD10PPB	
21	V22230124N21	BLK	
22	V22230124N22	METHOD BLK	
23	V22230124N23	MDL 0.19PPB	
24	V22230124N24	MDL 0.5PPB	
25	V22230124N25	MDL 2PPB	
26	V22230124N26	BLK	

Inst: VOA111 BFB V9469 Method
Initials: TMH IS/SS: V9514 GC: 8260_
Date: **02/06/23** ICAL: V9512,V9491D Autosampler: 8260soi
Run: **A** Concentrator: 8260_
QC:_____ Seq:_____

Vial	Data File	Sample	
1	V11230206ABF1	BFB	
1	V11230206A01	8260 CCAL	
2	V11230206A02	8260 LCS	
3	V11230206A03	8260 LCS	
4	V11230206A04	BLK	
5	V11230206A05	MEOH BLK	
6	V11230206A06	l2305916-10d,31h,4.62,5,0.005,,a,pri	NY/H CURVE LG
7	V11230206A07	l2305934-01,31,4.75,5,,b	NYHLW
8	V11230206A08	l2305934-02,31,5.18,5,,b	NYHLW
9	V11230206A09	l2305934-03,31,4.95,5,,b	NYHLW
10	V11230206A10	L2305934-04,31,3.93,5,,b	NYHLW
11	V11230206A11	L2305934-05,31,4.75,5,,b	NYHLW
12	V11230206A12	L2305934-06,31,6.21,5,,b	NYHLW
13	V11230206A13	L2305934-07,31,5.07,5,,c	NYHLW
14	V11230206A14	L2305934-08,31,6.49,5,,c	NYHLW
15	V11230206A15	L2305934-09,31,3.94,5,,c	NYHLW
16	V11230206A16	L2306164-01,31,4.47,5,,c,pri	NYHLW LG
17	V11230206A17	L2305912-01,31,4.30,5,,y	NYHLW
18	V11230206A18	L2305781-01,31,7.04,5,,c	NYHLW
19	V11230206A19	L2305781-02,31,5.66,5,,b	NYHLW
20	V11230206A20	L2305781-03,31h,4.60,5,0.100,,a	NY/H
21	V11230206A21	L2305781-04,31h,6.04,5,0.100,,a	NY/H
22	V11230206A22	L2305939-01,31h,3.50,5,0.100,,x,r3e	NY/H
23	V11230206A23	l2305939-02d,31h,4.97,5,0.05,,x,r3e	NY/H
24	V11230206A24	L2305484-04,31,6.10,5,,c	PALW TCE*
25	V11230206A25	L2305934-06MS,31,5.68,5,,b2	NYHLW
26	V11230206A26	L2305934-06MSD,31,6.19,5,,c1	NYHLW

Inst: VOA122 BFB: V9469 Method GC: 8260_water
Initials: PID IS/SS: V9507 Autosampler: 8260V122
Date: **02/06/23** ICAL: V9491C,V9513 Concentrator: 8260water
Run: **A** QC:___ Seq:_____

Vial	Data File	Sample		pH<2
1	V22230206ABF1	BFB TUNE 07:56		
1	V22230206A01	8260 CCAL LCS		
2	V22230206A02	8260 CCAL LCSD		
3	V22230206A03	8260 CCAL		
4	V22230206A04	BLK		
5	V22230206A05	METHOD BLK		
6	V22230206A06	L2305327-01,31,10,10,,X,PRI	8260/MATRIX2	pH>2
7	V22230206A07	L2306162-01,31,10,10,,A,PRI	NYCURVE	pH<2
8	V22230206A08	L2306162-02,31,10,10,,A,PRI	NYCURVE	pH<2
9	V22230206A09	L2305784-01,31,10,10,,A,PRI	NY/R2	pH<2
10	V22230206A10	L2305856-14,31,10,10,,A	8260NH	pH<2
11	V22230206A11	L2305856-15,31,10,10,,A	8260NH	pH<2
12	V22230206A12	L2305856-16,31,10,10,,A	8260NH	pH<2
13	V22230206A13	L2305912-02,31,10,10,,A	NYTCL	pH<2
14	V22230206A14	L2305912-03,31,10,10,,A	NYTCL TB	pH<2
15	V22230206A15	L2305913-04,31,10,10,,A	NY/PCEBREAK TB	pH<2
16	V22230206A16	L2305913-03D,31,4.0,10,,A	NY/PCEBREAK	pH<2
17	V22230206A17	L2305913-02D,31,4.0,10,,A	NY/PCEBREAK	pH<2
18	V22230206A18	L2305913-01,31,10,10,,A	NY/PCEBREAK	pH<2
19	V22230206A19	L2305938-01,31,10,10,,A	8260	pH<2
20	V22230206A20	L2305938-02,31,10,10,,A	8260	pH<2
21	V22230206A21	L2305938-03,31,10,10,,A	8260	pH<2
22	V22230206A22	L2305938-04,31,10,10,,A	8260	pH<2
23	V22230206A23	L2306203-05,31,10,10,,A,PRI	NJ/15 FB	pH<2
24	V22230206A24	L2306203-06,31,10,10,,A	NJ/15 TB	pH<2
25	V22230206A25	L2304683-02,31,10,10,,A	NJ/BENZ/15 SED	pH>2
26	V22230206A26	L2305913-03DUP,31,4.0,10,,A	NJQC	pH<2
27	V22230206A27	L2305913-02MS,31,4.0,10,,A	NJQC	pH<2
28	V22230206A28	HSTD		
29	V22230206A29	BLK		
30	V22230206A30	BLK		

Wet Chemistry

Total Solids / Percent Moisture Analysis

Results

Form 1
WETCHEM

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2305912-01	**Date Collected**	: 02/02/23 09:40
Client ID	: PX-NE	**Date Received**	: 02/02/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/03/23 10:51
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: ROI
Lab File ID	: WG1740473.pdf	**Instrument ID**	: BALANCE#53
Sample Amount	:	**%Solids**	: 87
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total	86.5	0.100	NA	

Form 1
WETCHEM

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1740473-1	**Date Collected**	: 02/02/23 09:58
Client ID	: WG1740473-1 DUP	**Date Received**	: 02/02/23
Sample Location	:	**Date Analyzed**	: 02/03/23 10:51
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: ROI
Lab File ID	: WG1740473.pdf	**Instrument ID**	: BALANCE#53
Sample Amount	:	**%Solids**	: 86
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**85.0**	**0.100**	**NA**	

Sample Raw Data

Wet Chemistry Gravimetric ELN

Printed: FEB-03-23 17:34:21

WorkGroup WG1740473
Title Solids, Total
Method SM2540G
Instrumen BALANCE#53

Temp In (C)	105	**Temp In (C)**		**Temp In (C)**		**Temp In (C)**	
Temp Out (C)	105	**Temp Out (C)**		**Temp Out (C)**		**Temp Out (C)**	
Time In	03-FEB-23 11:05	**Time In**		**Time In**		**Time In**	
Time Out	03-FEB-23 17:31	**Time Out**		**Time Out**		**Time Out**	

Sample #	Analysis Date	Analyst	Tare Weight (gm)	Gross Weight (gm)	Net Weight (1) (gm)	Net Weight (2) (gm)	Net Weight (3) (gm)	Net Weight (4) (gm)	Result %	Comment
L2305845-01	03-FEB-23 10:51	ROMANY IBRAHIM	.84	8.3	2.55				22.92	
L2305858-01	03-FEB-23 10:51	ROMANY IBRAHIM	.84	8.6	6.92				78.35	
L2305858-02	03-FEB-23 10:51	ROMANY IBRAHIM	.84	8.56	8.09				93.91	
L2305858-03	03-FEB-23 10:51	ROMANY IBRAHIM	.84	8.3	7.36				87.40	
L2305858-04	03-FEB-23 10:51	ROMANY IBRAHIM	.84	8.45	7.41				86.33	
L2305858-05	03-FEB-23 10:51	ROMANY IBRAHIM	.83	8.18	7.36				88.84	
L2305858-06	03-FEB-23 10:51	ROMANY IBRAHIM	.82	8.36	5.69				64.59	
L2305858-07	03-FEB-23 10:51	ROMANY IBRAHIM	.83	8.45	6.93				80.05	
L2305858-08	03-FEB-23 10:51	ROMANY IBRAHIM	.86	8.38	7.2				84.31	
L2305858-09	03-FEB-23 10:51	ROMANY IBRAHIM	.8	8.7	8.09				92.28	
L2305858-10	03-FEB-23 10:51	ROMANY IBRAHIM	.86	8.18	7.07				84.84	
L2305862-01	03-FEB-23 10:51	ROMANY IBRAHIM	.86	8.62	7.05				79.77	
L2305862-02	03-FEB-23 10:51	ROMANY IBRAHIM	.86	8.55	7.19				82.31	
L2305862-03	03-FEB-23 10:51	ROMANY IBRAHIM	.85	8.79	7.78				87.28	
L2305862-04	03-FEB-23 10:51	ROMANY IBRAHIM	.86	8.2	6.71				79.70	
L2305893-01	03-FEB-23 10:51	ROMANY IBRAHIM	.84	8.95	2.29				17.88	
L2305893-02	03-FEB-23 10:51	ROMANY IBRAHIM	.84	8.44	2.17				17.50	
L2305893-03	03-FEB-23 10:51	ROMANY IBRAHIM	.83	8.46	2.47				21.49	
L2305893-04	03-FEB-23 10:51	ROMANY IBRAHIM	.85	8.69	2.6				22.32	
L2305912-01	03-FEB-23 10:51	ROMANY IBRAHIM	.84	8.4	7.38				86.51	
WG1740473-1	03-FEB-23 10:51	ROMANY IBRAHIM	.86	8.52	7.37				84.99	

Quality Control

Form 6
Lab Duplicates

Client	: Environmental Compliance & Control,	**Lab Number**	: L2305912
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Client Sample ID	: NA	**Matrix**	: SOIL
Lab Sample ID	: NA	**Analysis Date**	: 02/03/23 10:51
Dup Sample ID	: WG1740473-1	**DUP Analysis Date**	: 02/03/23 10:51

Parameter	Sample Concentration (%)	Duplicate Concentration (%)	RPD	RPD Limit
Solids, Total	86.3	85.0	2	20

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Alpha Analytical

Laboratory Code: 11148

SDG Number: L2306838

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Project Name: BRIDGE CLEANERS
Project Number: BRIDGE CLEANERS

Lab Number: L2306838
Report Date: 02/15/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2306838-01	PX-SE	SOIL	QUEENS, NY	02/08/23 09:20	02/08/23
L2306838-02	PX-S	SOIL	QUEENS, NY	02/08/23 09:40	02/08/23
L2306838-03	PX-SW	SOIL	QUEENS, NY	02/08/23 10:00	02/08/23
L2306838-04	FIELD BLANK	WATER	QUEENS, NY	02/08/23 12:15	02/08/23
L2306838-05	TRIP BLANK	WATER	QUEENS, NY	02/08/23 00:00	02/08/23

Case Narrative

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

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

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

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

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

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

Case Narrative (continued)

Report Submission

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

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: Kelly Stenstrom Report Date: 02/15/23

Title: Technical Director/Representative

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: 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).

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

Volatile Organics Instruments

Volatile Organics:

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

Volatile Organics: VPH

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

Volatile Organics: PIANO

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

Volatile Organics: Dissolved Gas

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

Volatile Organics in Air Instruments

Volatile Organics in Air:

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

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

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

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

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

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

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

Pesticides/PCB/Herbicides:

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

Petroleum/EPH:

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

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

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

Semivolatile Organics (8270):

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

Semivolatile Organics (8270 SIM):

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

Semivolatile Organics (1,4-Dioxane):

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

Semivolatile Organics (209 Congener):

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

Semivolatile Organics (8081):

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

Semivolatile Organics (8082):

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

Semivolatile Organics (SHC Extractables):

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

Sample Delivery Group Summary

Alpha Job Number : L2306838

Account Name : Environmental Compliance & Control,
Project Number : BRIDGE CLEANERS
Project Name : BRIDGE CLEANERS

Received : 08-FEB-2023
Reviewer : Mohammed Wahed

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.3	

Condition Information

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

Volatile Organics/VPH

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

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 15 2023, 01:32 pm

Login Number: L2306838
Account: ECCHORIZON Environmental Compliance & Control, Inc.Project: BRIDGE CLEANERS
Received: 08FEB23 Due Date: 15FEB23

Sample #	Client ID	Mat	PR	Collected
L2306838-01	PX-SE	3	S0	08FEB23 09:20
| ASP-B Package Due Date: 02/15/23				
ASP-B,E&I-FEE,NYTCL-8260HLW,TS				
L2306838-02	PX-S	3	S0	08FEB23 09:40
| Package Due Date: 02/15/23				
NYTCL-8260HLW,TS				
L2306838-03	PX-SW	3	S0	08FEB23 10:00
| Package Due Date: 02/15/23				
NYTCL-8260HLW,TS				
L2306838-04	FIELD BLANK	1	S0	08FEB23 12:15
| Package Due Date: 02/15/23				
NYTCL-8260				
L2306838-05	TRIP BLANK	1	S0	08FEB23 00:00
| Package Due Date: 02/15/23				
NYTCL-8260				

Logged By: Ashaley Kane

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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: 2/8/23

ALPHA Job #: L2306838

Client Information
Client: ECC Horizon
Address: One Emery Ave Unit 2
Randolph NJ 07869
Phone: Cell 201-552-0224
Fax:
Email: NKrasnecky@ecchorizon.com

Project Information
Project Name: Bridge Cleaners
Project Location: Queens NY
Project #: Bridge Cleaners
(Use Project name as Project #): X
Project Manager: Nick Krasnecky
ALPHAQuote #:

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

Deliverables
- [ ] ASP-A
- [X] ASP-B
- [ ] EQuIS (1 File)
- [X] EQuIS (4 File)
- [ ] Other

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

Billing Information
- [X] Same as Client Info

PO #: Bridge Cleaners

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

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	EPA 8260D/5035/624.1 Low	EPA 8260D	Total Solids	Total Bottle	Sample Specific Comments
06838 -01	PX-5E	2-8-2023	920	Groundwater	MOH	✓		✓		
-02	PX-5		940			✓		✓		
-03	PX-5W		1000			✓		✓		
-04	Field Blank		1215	H_2O			✓			
-05	Trip Blank	2-6-2023	-	H_2O			✓			

Container Type	V	V	P							
Preservative	B	B	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
	2-8-2023 1240		8-23 1441
	2-8-23 1590	Paul Mapelli	2/8/23 1640
	2/8/23		2/8/23
	2/8/23		2/8/23 0900

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: Environmental Compliance & Control, Inc.
Project Name: BRIDGE CLEANERS

Lab Number: L2306838
Project Number: BRIDGE CLEANERS
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
FIELD BLANK (L2306838-04)	105	102	113	101	0
TRIP BLANK (L2306838-05)	105	102	112	102	0
WG1742861-3LCS	101	101	110	99	0
WG1742861-4LCSD	101	100	109	100	0
WG1742861-5BLANK	99	103	112	99	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

Surrogate Recovery Summary
Form 2
Volatiles

Client: Environmental Compliance & Control, Inc.
Project Name: BRIDGE CLEANERS

Lab Number: L2306838
Project Number: BRIDGE CLEANERS
Matrix: Soil

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
PX-SE (L2306838-01)	101	103	99	101	0
PX-S (L2306838-02)	106	101	100	106	0
PX-SW (L2306838-03)	103	103	99	102	0
WG1743940-3LCS	99	102	96	99	0
WG1743940-4LCSD	99	102	95	99	0
WG1743940-5BLANK	101	102	100	96	0
WG1744281-3LCS	97	100	95	98	0
WG1744281-4LCSD	96	102	98	97	0
WG1744281-5BLANK	97	101	100	97	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	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: WATER		
LCS Sample ID	: WG1742861-3 **Analysis Date** : 02/09/23 06:44	**File ID**	: V01230209A01
LCSD Sample ID	: WG1742861-4 **Analysis Date** : 02/09/23 07:10	**File ID**	: V01230209A02

	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	9.6	96	10	9.8	98	2	70-130	20
1,1-Dichloroethane	10	10	100	10	10	100	0	70-130	20
Chloroform	10	10	100	10	10	100	0	70-130	20
Carbon tetrachloride	10	11	110	10	12	120	9	63-132	20
1,2-Dichloropropane	10	11	110	10	11	110	0	70-130	20
Dibromochloromethane	10	11	110	10	11	110	0	63-130	20
1,1,2-Trichloroethane	10	10	100	10	9.9	99	1	70-130	20
Tetrachloroethene	10	9.7	97	10	9.9	99	2	70-130	20
Chlorobenzene	10	9.8	98	10	9.9	99	1	75-130	20
Trichlorofluoromethane	10	7.9	79	10	8.1	81	3	62-150	20
1,2-Dichloroethane	10	10	100	10	10	100	0	70-130	20
1,1,1-Trichloroethane	10	10	100	10	11	110	10	67-130	20
Bromodichloromethane	10	11	110	10	11	110	0	67-130	20
trans-1,3-Dichloropropene	10	11	110	10	11	110	0	70-130	20
cis-1,3-Dichloropropene	10	11	110	10	11	110	0	70-130	20
1,1-Dichloropropene	10	10	100	10	10	100	0	70-130	20
Bromoform	10	11	110	10	11	110	0	54-136	20
1,1,2,2-Tetrachloroethane	10	10	100	10	10	100	0	67-130	20
Benzene	10	9.2	92	10	9.6	96	4	70-130	20
Toluene	10	9.8	98	10	10	100	2	70-130	20
Ethylbenzene	10	9.8	98	10	9.9	99	1	70-130	20
Chloromethane	10	7.9	79	10	8.1	81	3	64-130	20
Bromomethane	10	4.7	47	10	4.8	48	2	39-139	20
Vinyl chloride	10	7.4	74	10	7.7	77	4	55-140	20
Chloroethane	10	7.4	74	10	7.6	76	3	55-138	20
1,1-Dichloroethene	10	7.4	74	10	7.8	78	5	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: WATER		
LCS Sample ID	: WG1742861-3 **Analysis Date** : 02/09/23 06:44	**File ID**	: V01230209A01
LCSD Sample ID	: WG1742861-4 **Analysis Date** : 02/09/23 07:10	**File ID**	: V01230209A02

	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	9.8	98	10	10	100	2	70-130	20
Trichloroethene	10	9.8	98	10	10	100	2	70-130	20
1,2-Dichlorobenzene	10	9.7	97	10	9.8	98	1	70-130	20
1,3-Dichlorobenzene	10	9.8	98	10	10	100	2	70-130	20
1,4-Dichlorobenzene	10	9.5	95	10	9.8	98	3	70-130	20
Methyl tert butyl ether	10	10	100	10	10	100	0	63-130	20
p/m-Xylene	20	20	100	20	20	100	0	70-130	20
o-Xylene	20	19	95	20	19	95	0	70-130	20
cis-1,2-Dichloroethene	10	9.8	98	10	10	100	2	70-130	20
Dibromomethane	10	9.8	98	10	9.8	98	0	70-130	20
1,2,3-Trichloropropane	10	9.7	97	10	9.8	98	1	64-130	20
Acrylonitrile	10	11	110	10	11	110	0	70-130	20
Styrene	20	18	90	20	18	90	0	70-130	20
Dichlorodifluoromethane	10	8.6	86	10	8.7	87	1	36-147	20
Acetone	10	12	120	10	12	120	0	58-148	20
Carbon disulfide	10	12	120	10	12	120	0	51-130	20
2-Butanone	10	12	120	10	12	120	0	63-138	20
Vinyl acetate	10	12	120	10	12	120	0	70-130	20
4-Methyl-2-pentanone	10	10	100	10	9.9	99	1	59-130	20
2-Hexanone	10	11	110	10	11	110	0	57-130	20
Bromochloromethane	10	9.8	98	10	9.7	97	1	70-130	20
2,2-Dichloropropane	10	11	110	10	11	110	0	63-133	20
1,2-Dibromoethane	10	9.9	99	10	9.9	99	0	70-130	20
1,3-Dichloropropane	10	10	100	10	10	100	0	70-130	20
1,1,1,2-Tetrachloroethane	10	11	110	10	11	110	0	64-130	20
Bromobenzene	10	9.9	99	10	10	100	1	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: WATER		
LCS Sample ID	: WG1742861-3 **Analysis Date** : 02/09/23 06:44	**File ID**	: V01230209A01
LCSD Sample ID	: WG1742861-4 **Analysis Date** : 02/09/23 07:10	**File ID**	: V01230209A02

	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	10	100	10	11	110	10	53-136	20
sec-Butylbenzene	10	10	100	10	10	100	0	70-130	20
tert-Butylbenzene	10	10	100	10	10	100	0	70-130	20
o-Chlorotoluene	10	10	100	10	11	110	10	70-130	20
p-Chlorotoluene	10	10	100	10	10	100	0	70-130	20
1,2-Dibromo-3-chloropropane	10	9.5	95	10	9.4	94	1	41-144	20
Hexachlorobutadiene	10	11	110	10	11	110	0	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	9.7	97	10	10	100	3	70-130	20
n-Propylbenzene	10	10	100	10	10	100	0	69-130	20
1,2,3-Trichlorobenzene	10	9.8	98	10	10	100	2	70-130	20
1,2,4-Trichlorobenzene	10	9.9	99	10	10	100	1	70-130	20
1,3,5-Trimethylbenzene	10	9.8	98	10	10	100	2	64-130	20
1,2,4-Trimethylbenzene	10	10	100	10	10	100	0	70-130	20
1,4-Dioxane	500	410	82	500	440	88	7	56-162	20
p-Diethylbenzene	10	10	100	10	10	100	0	70-130	20
p-Ethyltoluene	10	10	100	10	10	100	0	70-130	20
1,2,4,5-Tetramethylbenzene	10	10	100	10	10	100	0	70-130	20
Ethyl ether	10	7.9	79	10	7.9	79	0	59-134	20
trans-1,4-Dichloro-2-butene	10	12	120	10	12	120	0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1743940-3 **Analysis Date** : 02/10/23 07:56	**File ID**	: V11230210A02
LCSD Sample ID	: WG1743940-4 **Analysis Date** : 02/10/23 08:24	**File ID**	: V11230210A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	40	34	85	40	33	83	2	70-130	30
1,1-Dichloroethane	40	39	97	40	38	94	3	70-130	30
Chloroform	40	39	97	40	38	95	2	70-130	30
Carbon tetrachloride	40	40	100	40	38	96	4	70-130	30
1,2-Dichloropropane	40	39	96	40	38	94	2	70-130	30
Dibromochloromethane	40	39	98	40	39	98	0	70-130	30
1,1,2-Trichloroethane	40	40	99	40	40	99	0	70-130	30
Tetrachloroethene	40	42	106	40	41	102	4	70-130	30
Chlorobenzene	40	39	97	40	38	95	2	70-130	30
Trichlorofluoromethane	40	43	108	40	42	104	4	70-139	30
1,2-Dichloroethane	40	37	92	40	36	90	2	70-130	30
1,1,1-Trichloroethane	40	41	102	40	39	98	4	70-130	30
Bromodichloromethane	40	38	95	40	38	94	1	70-130	30
trans-1,3-Dichloropropene	40	39	98	40	39	97	1	70-130	30
cis-1,3-Dichloropropene	40	39	98	40	39	97	1	70-130	30
1,1-Dichloropropene	40	41	101	40	39	98	3	70-130	30
Bromoform	40	38	96	40	39	97	1	70-130	30
1,1,2,2-Tetrachloroethane	40	39	98	40	40	100	2	70-130	30
Benzene	40	39	98	40	38	94	4	70-130	30
Toluene	40	39	98	40	39	96	2	70-130	30
Ethylbenzene	40	40	101	40	39	98	3	70-130	30
Chloromethane	40	37	92	40	35	87	6	52-130	30
Bromomethane	40	44	109	40	42	106	3	57-147	30
Vinyl chloride	40	43	107	40	41	103	4	67-130	30
Chloroethane	40	46	114	40	43	108	5	50-151	30
1,1-Dichloroethene	40	41	101	40	39	98	3	65-135	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1743940-3 **Analysis Date** : 02/10/23 07:56	**File ID**	: V11230210A02
LCSD Sample ID	: WG1743940-4 **Analysis Date** : 02/10/23 08:24	**File ID**	: V11230210A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	40	39	98	40	38	95	3	70-130	30
Trichloroethene	40	41	103	40	39	98	5	70-130	30
1,2-Dichlorobenzene	40	39	98	40	38	96	2	70-130	30
1,3-Dichlorobenzene	40	40	100	40	39	97	3	70-130	30
1,4-Dichlorobenzene	40	39	98	40	39	96	2	70-130	30
Methyl tert butyl ether	40	39	97	40	39	98	1	66-130	30
p/m-Xylene	80	83	104	80	81	101	3	70-130	30
o-Xylene	80	84	105	80	81	102	3	70-130	30
cis-1,2-Dichloroethene	40	39	96	40	37	93	3	70-130	30
Dibromomethane	40	38	95	40	38	95	0	70-130	30
Styrene	80	85	106	80	83	103	3	70-130	30
Dichlorodifluoromethane	40	35	88	40	33	84	5	30-146	30
Acetone	40	40	100	40	41	102	2	54-140	30
Carbon disulfide	40	65	162 Q	40	62	156 Q	4	59-130	30
2-Butanone	40	41	104	40	43	107	3	70-130	30
Vinyl acetate	40	41	102	40	42	105	3	70-130	30
4-Methyl-2-pentanone	40	36	90	40	36	90	0	70-130	30
1,2,3-Trichloropropane	40	39	98	40	39	98	0	68-130	30
2-Hexanone	40	40	100	40	42	105	5	70-130	30
Bromochloromethane	40	39	97	40	38	94	3	70-130	30
2,2-Dichloropropane	40	41	102	40	39	97	5	70-130	30
1,2-Dibromoethane	40	41	102	40	41	102	0	70-130	30
1,3-Dichloropropane	40	39	96	40	39	97	1	69-130	30
1,1,1,2-Tetrachloroethane	40	41	101	40	39	98	3	70-130	30
Bromobenzene	40	38	96	40	37	93	3	70-130	30
n-Butylbenzene	40	44	110	40	42	104	6	70-130	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1743940-3 **Analysis Date** : 02/10/23 07:56	**File ID**	: V11230210A02
LCSD Sample ID	: WG1743940-4 **Analysis Date** : 02/10/23 08:24	**File ID**	: V11230210A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
sec-Butylbenzene	40	42	106	40	41	102	4	70-130	30
tert-Butylbenzene	40	41	101	40	39	98	3	70-130	30
o-Chlorotoluene	40	38	96	40	38	94	2	70-130	30
p-Chlorotoluene	40	39	98	40	39	96	2	70-130	30
1,2-Dibromo-3-chloropropane	40	39	97	40	39	97	0	68-130	30
Hexachlorobutadiene	40	42	104	40	39	98	6	67-130	30
Isopropylbenzene	40	41	102	40	40	99	3	70-130	30
p-Isopropyltoluene	40	42	104	40	40	100	4	70-130	30
Naphthalene	40	40	101	40	40	101	0	70-130	30
Acrylonitrile	40	41	102	40	42	104	2	70-130	30
n-Propylbenzene	40	41	103	40	40	100	3	70-130	30
1,2,3-Trichlorobenzene	40	42	104	40	41	103	1	70-130	30
1,2,4-Trichlorobenzene	40	41	102	40	40	100	2	70-130	30
1,3,5-Trimethylbenzene	40	41	102	40	40	99	3	70-130	30
1,2,4-Trimethylbenzene	40	41	101	40	40	99	2	70-130	30
1,4-Dioxane	2000	2300	114	2000	2200	108	5	65-136	30
p-Diethylbenzene	40	43	107	40	41	102	5	70-130	30
p-Ethyltoluene	40	42	105	40	40	101	4	70-130	30
1,2,4,5-Tetramethylbenzene	40	40	100	40	39	98	2	70-130	30
Ethyl ether	40	43	107	40	42	105	2	67-130	30
trans-1,4-Dichloro-2-butene	40	44	111	40	44	111	0	70-130	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1744281-3 **Analysis Date** : 02/13/23 07:55	**File ID**	: V11230213A02
LCSD Sample ID	: WG1744281-4 **Analysis Date** : 02/13/23 08:23	**File ID**	: V11230213A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	40	32	81	40	32	79	3	70-130	30
1,1-Dichloroethane	40	37	93	40	36	90	3	70-130	30
Chloroform	40	37	93	40	36	91	2	70-130	30
Carbon tetrachloride	40	40	100	40	39	98	2	70-130	30
1,2-Dichloropropane	40	37	92	40	36	90	2	70-130	30
Dibromochloromethane	40	37	93	40	37	92	1	70-130	30
1,1,2-Trichloroethane	40	37	93	40	37	91	2	70-130	30
Tetrachloroethene	40	41	104	40	41	103	1	70-130	30
Chlorobenzene	40	37	93	40	37	92	1	70-130	30
Trichlorofluoromethane	40	43	108	40	42	105	3	70-139	30
1,2-Dichloroethane	40	35	88	40	34	86	2	70-130	30
1,1,1-Trichloroethane	40	40	100	40	38	95	5	70-130	30
Bromodichloromethane	40	37	91	40	36	89	2	70-130	30
trans-1,3-Dichloropropene	40	37	92	40	37	93	1	70-130	30
cis-1,3-Dichloropropene	40	38	95	40	37	93	2	70-130	30
1,1-Dichloropropene	40	41	101	40	39	98	3	70-130	30
Bromoform	40	37	93	40	38	94	1	70-130	30
1,1,2,2-Tetrachloroethane	40	37	92	40	37	93	1	70-130	30
Benzene	40	37	94	40	37	92	2	70-130	30
Toluene	40	37	93	40	38	95	2	70-130	30
Ethylbenzene	40	39	96	40	38	95	1	70-130	30
Chloromethane	40	34	84	40	33	82	2	52-130	30
Bromomethane	40	36	91	40	36	91	0	57-147	30
Vinyl chloride	40	38	95	40	37	92	3	67-130	30
Chloroethane	40	43	107	40	41	102	5	50-151	30
1,1-Dichloroethene	40	40	101	40	39	98	3	65-135	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1744281-3 **Analysis Date** : 02/13/23 07:55	**File ID**	: V11230213A02
LCSD Sample ID	: WG1744281-4 **Analysis Date** : 02/13/23 08:23	**File ID**	: V11230213A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	40	39	96	40	37	93	3	70-130	30
Trichloroethene	40	40	100	40	39	97	3	70-130	30
1,2-Dichlorobenzene	40	37	92	40	37	93	1	70-130	30
1,3-Dichlorobenzene	40	38	95	40	38	96	1	70-130	30
1,4-Dichlorobenzene	40	37	92	40	37	94	2	70-130	30
Methyl tert butyl ether	40	38	95	40	37	92	3	66-130	30
p/m-Xylene	80	79	99	80	79	98	1	70-130	30
o-Xylene	80	79	99	80	79	99	0	70-130	30
cis-1,2-Dichloroethene	40	37	93	40	36	91	2	70-130	30
Dibromomethane	40	37	92	40	36	90	2	70-130	30
Styrene	80	80	100	80	80	100	0	70-130	30
Dichlorodifluoromethane	40	34	84	40	32	79	6	30-146	30
Acetone	40	39	97	40	37	91	6	54-140	30
Carbon disulfide	40	63	157 Q	40	61	151 Q	4	59-130	30
2-Butanone	40	40	99	40	37	91	8	70-130	30
Vinyl acetate	40	40	99	40	38	96	3	70-130	30
4-Methyl-2-pentanone	40	35	86	40	33	83	4	70-130	30
1,2,3-Trichloropropane	40	37	91	40	37	92	1	68-130	30
2-Hexanone	40	39	98	40	37	93	5	70-130	30
Bromochloromethane	40	38	95	40	36	91	4	70-130	30
2,2-Dichloropropane	40	40	100	40	38	96	4	70-130	30
1,2-Dibromoethane	40	39	97	40	38	96	1	70-130	30
1,3-Dichloropropane	40	37	92	40	37	91	1	69-130	30
1,1,1,2-Tetrachloroethane	40	38	96	40	39	98	2	70-130	30
Bromobenzene	40	37	92	40	37	93	1	70-130	30
n-Butylbenzene	40	41	102	40	41	104	2	70-130	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1744281-3 **Analysis Date** : 02/13/23 07:55	**File ID**	: V11230213A02
LCSD Sample ID	: WG1744281-4 **Analysis Date** : 02/13/23 08:23	**File ID**	: V11230213A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
sec-Butylbenzene	40	40	101	40	41	102	1	70-130	30
tert-Butylbenzene	40	39	99	40	40	100	1	70-130	30
o-Chlorotoluene	40	37	93	40	38	95	2	70-130	30
p-Chlorotoluene	40	37	94	40	38	94	0	70-130	30
1,2-Dibromo-3-chloropropane	40	35	89	40	35	89	0	68-130	30
Hexachlorobutadiene	40	38	96	40	39	97	1	67-130	30
Isopropylbenzene	40	39	98	40	40	101	3	70-130	30
p-Isopropyltoluene	40	40	99	40	40	100	1	70-130	30
Naphthalene	40	37	93	40	38	94	1	70-130	30
Acrylonitrile	40	40	101	40	39	97	4	70-130	30
n-Propylbenzene	40	39	98	40	40	99	1	70-130	30
1,2,3-Trichlorobenzene	40	38	94	40	38	95	1	70-130	30
1,2,4-Trichlorobenzene	40	38	94	40	38	96	2	70-130	30
1,3,5-Trimethylbenzene	40	39	97	40	40	99	2	70-130	30
1,2,4-Trimethylbenzene	40	38	95	40	39	98	3	70-130	30
1,4-Dioxane	2000	2200	108	2000	2100	106	2	65-136	30
p-Diethylbenzene	40	40	101	40	40	101	0	70-130	30
p-Ethyltoluene	40	40	100	40	41	101	1	70-130	30
1,2,4,5-Tetramethylbenzene	40	37	94	40	38	95	1	70-130	30
Ethyl ether	40	41	102	40	40	99	3	67-130	30
trans-1,4-Dichloro-2-butene	40	42	104	40	41	104	0	70-130	30

Method Blank Summary
Form 4
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab Sample ID	: WG1742861-5	**Lab File ID**	: V01230209A05
Instrument ID	: VOA101		
Matrix	: WATER	**Analysis Date**	: 02/09/23 08:27

Client Sample No.	Lab Sample ID	Analysis Date
WG1742861-3LCS	WG1742861-3	02/09/23 06:44
WG1742861-4LCSD	WG1742861-4	02/09/23 07:10
FIELD BLANK	L2306838-04	02/09/23 12:45
TRIP BLANK	L2306838-05	02/09/23 13:11

Method Blank Summary
Form 4
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab Sample ID	: WG1743940-5	**Lab File ID**	: V11230210A05
Instrument ID	: VOA111		
Matrix	: SOIL	**Analysis Date**	: 02/10/23 09:19

Client Sample No.	Lab Sample ID	Analysis Date
WG1743940-3LCS	WG1743940-3	02/10/23 07:56
WG1743940-4LCSD	WG1743940-4	02/10/23 08:24
PX-SE	L2306838-01	02/10/23 17:41
PX-SW	L2306838-03	02/10/23 18:37

Method Blank Summary
Form 4
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab Sample ID	: WG1744281-5	**Lab File ID**	: V11230213A05
Instrument ID	: VOA111		
Matrix	: SOIL	**Analysis Date**	: 02/13/23 09:18

Client Sample No.	Lab Sample ID	Analysis Date
WG1744281-3LCS	WG1744281-3	02/13/23 07:55
WG1744281-4LCSD	WG1744281-4	02/13/23 08:23
PX-S	L2306838-02	02/13/23 17:11

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

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA101	**Analysis Date**	: 12/16/22 12:02
Tune Standard	: WG1724555-1	**Tune File ID**	: V01221216ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	24.2
75	30.0 - 80.0% of mass 95	51.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.4 (.4)1
174	Greater than 50.0% of mass 95	94.5
175	5.0 - 9.0% of mass 174	7.1 (7.5)1
176	Greater than 95.0% but less than 101% of mass	90.7 (96)1
177	5.0 - 9.0% of mass 176	6.3 (7)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1644194-1	V01221216A02	12/16/22 12:37
STD0.5PPB	R1644194-2	V01221216A03	12/16/22 13:03
STD2PPB	R1644194-3	V01221216A05	12/16/22 13:54
STD10PPB	R1644194-4	V01221216A07	12/16/22 14:46
STD30PPB	R1644194-5	V01221216A08	12/16/22 15:12
STD80PPB	R1644194-6	V01221216A09	12/16/22 15:39
STD120PPB	R1644194-7	V01221216A10	12/16/22 16:05
STD200PPB	R1644194-8	V01221216A11	12/16/22 16:31
Correlation Data Summary	R1644194-9	V01221216A17	12/16/22 19:06
ICV Quant Report	R1644194-9	V01221216A17	12/16/22 19:06

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

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA101	**Analysis Date**	: 02/09/23 06:31
Tune Standard	: WG1742861-1	**Tune File ID**	: V01230209ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	24.9
75	30.0 - 80.0% of mass 95	52.5
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 (0)1
174	Greater than 50.0% of mass 95	77.3
175	5.0 - 9.0% of mass 174	5.8 (7.5)1
176	Greater than 95.0% but less than 101% of mass	75 (97)1
177	5.0 - 9.0% of mass 176	4.8 (6.4)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1742861-2CCAL	WG1742861-2	V01230209A01	02/09/23 06:44
WG1742861-3LCS	WG1742861-3	V01230209A01	02/09/23 06:44
WG1742861-4LCSD	WG1742861-4	V01230209A02	02/09/23 07:10
WG1742861-5BLANK	WG1742861-5	V01230209A05	02/09/23 08:27
FIELD BLANK	L2306838-04	V01230209A15	02/09/23 12:45
TRIP BLANK	L2306838-05	V01230209A16	02/09/23 13:11

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

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA111	**Analysis Date**	: 01/18/23 10:20
Tune Standard	: WG1735211-1	**Tune File ID**	: V11230118ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	21.2
75	30.0 - 80.0% of mass 95	52.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.8 (1.1)1
174	Greater than 50.0% of mass 95	78.8
175	5.0 - 9.0% of mass 174	5.9 (7.5)1
176	Greater than 95.0% but less than 101% of mass	75.6 (96)1
177	5.0 - 9.0% of mass 176	4.9 (6.5)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.5PPB	R1654277-1	V11230118A03	01/18/23 11:38
STD1PPB	R1654277-2	V11230118A05	01/18/23 12:32
STD2PPB	R1654277-3	V11230118A07	01/18/23 13:25
STD4PPB	R1654277-4	V11230118A09	01/18/23 14:19
STD20PPB	R1654277-5	V11230118A10	01/18/23 14:46
STD40PPB	R1654277-6	V11230118A11	01/18/23 15:13
STD100PPB	R1654277-7	V11230118A12	01/18/23 15:40
STD200PPB	R1654277-8	V11230118A13	01/18/23 16:06
STD300PPB	R1654277-9	V11230118A14	01/18/23 16:33
ICV Quant Report	R1654277-10	V11230118A19	01/18/23 18:47

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

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA111	**Analysis Date**	: 02/10/23 07:02
Tune Standard	: WG1743940-1	**Tune File ID**	: V11230210ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.8
75	30.0 - 80.0% of mass 95	53.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.5 (.6)1
174	Greater than 50.0% of mass 95	82.9
175	5.0 - 9.0% of mass 174	5.9 (7.1)1
176	Greater than 95.0% but less than 101% of mass	79.6 (96)1
177	5.0 - 9.0% of mass 176	5.2 (6.5)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1743940-2CCAL	WG1743940-2	V11230210A01	02/10/23 07:29
WG1743940-3LCS	WG1743940-3	V11230210A02	02/10/23 07:56
WG1743940-4LCSD	WG1743940-4	V11230210A03	02/10/23 08:24
WG1743940-5BLANK	WG1743940-5	V11230210A05	02/10/23 09:19
PX-SE	L2306838-01	V11230210A23	02/10/23 17:41
PX-SW	L2306838-03	V11230210A25	02/10/23 18:37

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

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA111	**Analysis Date**	: 02/13/23 06:56
Tune Standard	: WG1744281-1	**Tune File ID**	: V11230213ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.6
75	30.0 - 80.0% of mass 95	53.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	1.1 (1.3)1
174	Greater than 50.0% of mass 95	83.5
175	5.0 - 9.0% of mass 174	6.1 (7.4)1
176	Greater than 95.0% but less than 101% of mass	79.5 (95.1)1
177	5.0 - 9.0% of mass 176	4.9 (6.1)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
WG1744281-2CCAL	WG1744281-2	V11230213A02	02/13/23 07:55
WG1744281-3LCS	WG1744281-3	V11230213A02	02/13/23 07:55
WG1744281-4LCSD	WG1744281-4	V11230213A03	02/13/23 08:23
WG1744281-5BLANK	WG1744281-5	V11230213A05	02/13/23 09:18
PX-S	L2306838-02	V11230213A22	02/13/23 17:11

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA101	**Analysis Date**	: 02/09/23 06:44:00
Sample No	: WG1742861-2	**Lab File ID**	: V01230209A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1742861-2	380643	6.08	309209	9.61	164050	12.30
Upper Limit	761286	6.58	618418	10.11	328100	12.80
Lower Limit	190322	5.58	154605	9.11	82025	11.80
Sample ID						
WG1742861-3 LCS	380643	6.08	309209	9.61	164050	12.30
WG1742861-4 LCSD	379782	6.08	313152	9.61	164259	12.30
WG1742861-5 BLANK	369592	6.08	296612	9.62	148464	12.30
FIELD BLANK	356334	6.08	287421	9.62	141963	12.30
TRIP BLANK	358025	6.08	286923	9.62	141421	12.30

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

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA111	**Analysis Date**	: 02/10/23 07:29:00
Sample No	: WG1743940-2	**Lab File ID**	: V11230210A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1743940-2	76148	6.27	56431	9.84	29151	12.49
Upper Limit	152296	6.77	112862	10.34	58302	12.99
Lower Limit	38074	5.77	28216	9.34	14576	11.99
Sample ID						
WG1743940-3 LCS	72226	6.27	53723	9.84	27914	12.49
WG1743940-4 LCSD	74559	6.27	54786	9.85	28199	12.49
WG1743940-5 BLANK	70523	6.27	52867	9.84	24797	12.49
PX-SE	81723	6.27	61122	9.84	29615	12.49
PX-SW	74080	6.27	55118	9.84	26958	12.49

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

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA111	**Analysis Date**	: 02/13/23 07:55:00
Sample No	: WG1744281-2	**Lab File ID**	: V11230213A02

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1744281-2	84561	6.27	63730	9.84	32706	12.49
Upper Limit	169122	6.77	127460	10.34	65412	12.99
Lower Limit	42281	5.77	31865	9.34	16353	11.99
Sample ID						
WG1744281-3 LCS	84561	6.27	63730	9.84	32706	12.49
WG1744281-4 LCSD	82855	6.27	61033	9.84	30556	12.49
WG1744281-5 BLANK	74970	6.26	56083	9.84	26988	12.49
PX-S	62042	6.27	46903	9.84	21978	12.49

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: 06/19/18
Created By: Jason Hebert
File: PM5049-1
Page: 1

Volatile Organics - EPA 8260C (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	0.210	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			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.240	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	0.200	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			
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	0.330	ug/l				20	20			
Xylene (Total)	1330-20-7	1	0.330	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			

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Volatile Organics - EPA 8260C (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		
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			
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	0.430	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	0.220	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			
1,3,5-Trichlorobenzene	108-70-3	2	0.141	ug/l	70-130	20	70-130	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			
Methyl Acetate	79-20-9	10	0.234	ug/l	70-130	20	70-130	20	20			
Ethyl Acetate	141-78-6	10	0.716	ug/l	70-130	20	70-130	20	20			
Isopropyl Ether	108-20-3	2	0.425	ug/l	70-130	20	70-130	20	20			
Cyclohexane	110-82-7	10	0.271	ug/l	70-130	20	70-130	20	20			
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.179	ug/l	70-130	20	70-130	20	20			

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Volatile Organics - EPA 8260C (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		
Tertiary-Amyl Methyl Ether	994-05-8	2	0.278	ug/l	66-130	20	66-130	20	20			
1,4-Dioxane	123-91-1	250	60.8	ug/l	56-162	20	56-162	20	20			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	10	0.148	ug/l	70-130	20	70-130	20	20			
Methyl cyclohexane	108-87-2	10	0.396	ug/l	70-130	20	70-130	20	20			
1,4-Diethylbenzene	105-05-5	2	0.392	ug/l	70-130	20	70-130	20	20			
4-Ethyltoluene	622-96-8	2	0.340	ug/l	70-130	20	70-130	20	20			
1,2,4,5-Tetramethylbenzene	95-93-2	2	0.542	ug/l	70-130	20	70-130	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*		

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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	5	2.29	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	1	0.145	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	1.5	0.140	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	1	0.230	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	1	0.125	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	1	0.140	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	1	0.267	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	0.5	0.196	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	0.5	0.127	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	4	0.695	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	1	0.257	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	0.5	0.167	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	0.5	0.109	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	1	0.273	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.158	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	0.5	0.159	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	4	0.246	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	1	0.543	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	1	0.141	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	4	0.932	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	2	0.581	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	1	0.335	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	2	0.452	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	1	0.238	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	1.5	0.137	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	0.5	0.137	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.144	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.148	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.171	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	2	0.201	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	2	0.560	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	1	0.291	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	1	0.175	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
Dibromomethane	74-95-3	2	0.238	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	10	0.226	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	2	0.127	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	1	0.196	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	10	0.915	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	10	4.81	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	10	4.55	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	10	2.22	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	10	2.15	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	10	1.28	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	10	1.18	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	10	1.58	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	4	1.15	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	2	0.205	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	4	1.59	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	2	0.202	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	1	0.279	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	2	0.167	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.132	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	2	0.145	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	1	0.167	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	1	0.146	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	2	0.118	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	2	0.173	ug/kg	70-139	30	70-130	30	30			
o-Chlorotoluene	95-49-8	2	0.191	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	2	0.108	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	3	0.998	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	4	0.169	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	1	0.109	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	1	0.109	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	4	0.650	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	1	0.171	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	2	0.322	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	2	0.272	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	2	0.193	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	2	0.334	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	5	1.42	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	100	100	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2	0.341	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	4	0.950	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	10	1.21	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	2	0.213	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	10	0.544	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.128	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	2	0.176	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	100	35.1	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	4	0.693	ug/kg	70-130	30	70-130	30	30			
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 Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	250	115	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	50	7.25	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	75	7.00	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	50	11.5	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	50	6.25	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	50	7.00	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	50	13.4	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	25	9.80	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	25	6.35	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	200	34.8	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	50	12.9	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	25	8.35	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	25	5.45	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	50	13.7	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	25	7.90	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	25	7.95	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	200	12.3	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	25	8.30	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	25	8.30	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	50	27.2	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	50	7.05	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	200	46.6	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	100	29.1	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	50	16.8	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	100	22.6	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	50	11.9	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	75	6.85	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	25	6.85	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	100	7.20	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	100	7.40	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	100	8.55	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	100	10.1	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	100	28.0	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	50	14.6	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	50	8.75	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
Dibromomethane	74-95-3	100	11.9	ug/kg	70-130	30	70-130	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
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Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	500	11.3	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	100	6.35	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	50	9.80	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	500	45.8	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	500	241	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	500	228	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	500	111	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	500	108	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	500	64.0	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	500	59.0	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	500	79.0	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	200	57.5	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	100	10.3	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	200	79.5	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	100	10.1	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	50	14.0	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	100	8.35	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	25	6.60	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	100	7.25	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	50	8.35	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	50	7.30	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	100	5.90	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	100	8.65	ug/kg	70-139	30	70-130	30	30			
o-Chlorotoluene	95-49-8	100	9.55	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	100	5.40	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	150	49.9	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	200	8.45	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	50	5.45	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	50	5.45	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	200	32.5	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	50	8.55	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	100	16.1	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	100	13.6	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	100	9.65	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	100	16.7	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	250	71.0	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	5000	5000	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	100	17.1	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	200	47.5	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	500	60.5	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	100	10.7	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	500	27.2	ug/kg	70-130	30	70-130	30	30			

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Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	100	6.40	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	100	8.80	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	5000	1755	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	200	34.7	ug/kg	70-130	30	70-130	30	30			
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 Alpha Analytical, Inc.

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2306838-01	**Date Collected**	: 02/08/23 09:20
Client ID	: PX-SE	**Date Received**	: 02/08/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/10/23 17:41
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: AJK
Lab File ID	: V11230210A23	**Instrument ID**	: VOA111
Sample Amount	: 3.8 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 91
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	7.2	3.3	U
75-34-3	1,1-Dichloroethane	ND	1.4	0.21	U
67-66-3	Chloroform	ND	2.2	0.20	U
56-23-5	Carbon tetrachloride	ND	1.4	0.33	U
78-87-5	1,2-Dichloropropane	ND	1.4	0.18	U
124-48-1	Dibromochloromethane	ND	1.4	0.20	U
79-00-5	1,1,2-Trichloroethane	ND	1.4	0.39	U
127-18-4	Tetrachloroethene	ND	0.72	0.28	U
108-90-7	Chlorobenzene	ND	0.72	0.18	U
75-69-4	Trichlorofluoromethane	ND	5.8	1.0	U
107-06-2	1,2-Dichloroethane	ND	1.4	0.37	U
71-55-6	1,1,1-Trichloroethane	ND	0.72	0.24	U
75-27-4	Bromodichloromethane	ND	0.72	0.16	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.4	0.40	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.72	0.23	U
542-75-6	1,3-Dichloropropene, Total	ND	0.72	0.23	U
563-58-6	1,1-Dichloropropene	ND	0.72	0.23	U
75-25-2	Bromoform	ND	5.8	0.36	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.72	0.24	U
71-43-2	Benzene	ND	0.72	0.24	U
108-88-3	Toluene	ND	1.4	0.78	U
100-41-4	Ethylbenzene	ND	1.4	0.20	U
74-87-3	Chloromethane	ND	5.8	1.3	U
74-83-9	Bromomethane	ND	2.9	0.84	U
75-01-4	Vinyl chloride	ND	1.4	0.48	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2306838-01	Date Collected	: 02/08/23 09:20
Client ID	: PX-SE	Date Received	: 02/08/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/10/23 17:41
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: V11230210A23	Instrument ID	: VOA111
Sample Amount	: 3.8 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 91
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.9	0.65	U
75-35-4	1,1-Dichloroethene	ND	1.4	0.34	U
156-60-5	trans-1,2-Dichloroethene	ND	2.2	0.20	U
79-01-6	Trichloroethene	ND	0.72	0.20	U
95-50-1	1,2-Dichlorobenzene	ND	2.9	0.21	U
541-73-1	1,3-Dichlorobenzene	ND	2.9	0.21	U
106-46-7	1,4-Dichlorobenzene	ND	2.9	0.25	U
1634-04-4	Methyl tert butyl ether	ND	2.9	0.29	U
179601-23-1	p/m-Xylene	ND	2.9	0.81	U
95-47-6	o-Xylene	ND	1.4	0.42	U
1330-20-7	Xylenes, Total	ND	1.4	0.42	U
156-59-2	cis-1,2-Dichloroethene	ND	1.4	0.25	U
540-59-0	1,2-Dichloroethene, Total	ND	1.4	0.20	U
74-95-3	Dibromomethane	ND	2.9	0.34	U
100-42-5	Styrene	ND	1.4	0.28	U
75-71-8	Dichlorodifluoromethane	ND	14	1.3	U
67-64-1	Acetone	ND	14	7.0	U
75-15-0	Carbon disulfide	ND	14	6.6	U
78-93-3	2-Butanone	ND	14	3.2	U
108-05-4	Vinyl acetate	ND	14	3.1	U
108-10-1	4-Methyl-2-pentanone	ND	14	1.8	U
96-18-4	1,2,3-Trichloropropane	ND	2.9	0.18	U
591-78-6	2-Hexanone	ND	14	1.7	U
74-97-5	Bromochloromethane	ND	2.9	0.30	U
594-20-7	2,2-Dichloropropane	ND	2.9	0.29	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2306838-01	Date Collected	: 02/08/23 09:20
Client ID	: PX-SE	Date Received	: 02/08/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/10/23 17:41
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: V11230210A23	Instrument ID	: VOA111
Sample Amount	: 3.8 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 91
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.4	0.40	U
142-28-9	1,3-Dichloropropane	ND	2.9	0.24	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.72	0.19	U
108-86-1	Bromobenzene	ND	2.9	0.21	U
104-51-8	n-Butylbenzene	ND	1.4	0.24	U
135-98-8	sec-Butylbenzene	ND	1.4	0.21	U
98-06-6	tert-Butylbenzene	ND	2.9	0.17	U
95-49-8	o-Chlorotoluene	ND	2.9	0.28	U
106-43-4	p-Chlorotoluene	ND	2.9	0.16	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.3	1.4	U
87-68-3	Hexachlorobutadiene	ND	5.8	0.24	U
98-82-8	Isopropylbenzene	ND	1.4	0.16	U
99-87-6	p-Isopropyltoluene	ND	1.4	0.16	U
91-20-3	Naphthalene	ND	5.8	0.94	U
107-13-1	Acrylonitrile	ND	5.8	1.7	U
103-65-1	n-Propylbenzene	ND	1.4	0.25	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.9	0.47	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.9	0.39	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.9	0.28	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.9	0.48	U
123-91-1	1,4-Dioxane	ND	120	51.	U
105-05-5	p-Diethylbenzene	ND	2.9	0.26	U
622-96-8	p-Ethyltoluene	ND	2.9	0.56	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.9	0.28	U
60-29-7	Ethyl ether	ND	2.9	0.49	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2306838-01	**Date Collected**	: 02/08/23 09:20
Client ID	: PX-SE	**Date Received**	: 02/08/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/10/23 17:41
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: AJK
Lab File ID	: V11230210A23	**Instrument ID**	: VOA111
Sample Amount	: 3.8 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 91
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	7.2	2.0	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2306838-02	**Date Collected**	: 02/08/23 09:40
Client ID	: PX-S	**Date Received**	: 02/08/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/13/23 17:11
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: JIC
Lab File ID	: V11230213A22	**Instrument ID**	: VOA111
Sample Amount	: 2.6 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 79
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	12	5.5	U
75-34-3	1,1-Dichloroethane	ND	2.4	0.35	U
67-66-3	Chloroform	ND	3.6	0.34	U
56-23-5	Carbon tetrachloride	ND	2.4	0.55	U
78-87-5	1,2-Dichloropropane	ND	2.4	0.30	U
124-48-1	Dibromochloromethane	ND	2.4	0.34	U
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.64	U
127-18-4	Tetrachloroethene	ND	1.2	0.47	U
108-90-7	Chlorobenzene	ND	1.2	0.30	U
75-69-4	Trichlorofluoromethane	ND	9.6	1.7	U
107-06-2	1,2-Dichloroethane	ND	2.4	0.62	U
71-55-6	1,1,1-Trichloroethane	ND	1.2	0.40	U
75-27-4	Bromodichloromethane	ND	1.2	0.26	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.66	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	0.38	U
542-75-6	1,3-Dichloropropene, Total	ND	1.2	0.38	U
563-58-6	1,1-Dichloropropene	ND	1.2	0.38	U
75-25-2	Bromoform	ND	9.6	0.59	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	0.40	U
71-43-2	Benzene	ND	1.2	0.40	U
108-88-3	Toluene	ND	2.4	1.3	U
100-41-4	Ethylbenzene	ND	2.4	0.34	U
74-87-3	Chloromethane	ND	9.6	2.2	U
74-83-9	Bromomethane	ND	4.8	1.4	U
75-01-4	Vinyl chloride	ND	2.4	0.81	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2306838-02	**Date Collected**	: 02/08/23 09:40
Client ID	: PX-S	**Date Received**	: 02/08/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/13/23 17:11
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: JIC
Lab File ID	: V11230213A22	**Instrument ID**	: VOA111
Sample Amount	: 2.6 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 79
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	4.8	1.1	U
75-35-4	1,1-Dichloroethene	ND	2.4	0.57	U
156-60-5	trans-1,2-Dichloroethene	ND	3.6	0.33	U
79-01-6	Trichloroethene	ND	1.2	0.33	U
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.35	U
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.36	U
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.41	U
1634-04-4	Methyl tert butyl ether	ND	4.8	0.48	U
179601-23-1	p/m-Xylene	ND	4.8	1.3	U
95-47-6	o-Xylene	ND	2.4	0.70	U
1330-20-7	Xylenes, Total	ND	2.4	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.4	0.42	U
540-59-0	1,2-Dichloroethene, Total	ND	2.4	0.33	U
74-95-3	Dibromomethane	ND	4.8	0.57	U
100-42-5	Styrene	ND	2.4	0.47	U
75-71-8	Dichlorodifluoromethane	ND	24	2.2	U
67-64-1	Acetone	ND	24	12.	U
75-15-0	Carbon disulfide	ND	24	11.	U
78-93-3	2-Butanone	ND	24	5.3	U
108-05-4	Vinyl acetate	ND	24	5.2	U
108-10-1	4-Methyl-2-pentanone	ND	24	3.1	U
96-18-4	1,2,3-Trichloropropane	ND	4.8	0.30	U
591-78-6	2-Hexanone	ND	24	2.8	U
74-97-5	Bromochloromethane	ND	4.8	0.49	U
594-20-7	2,2-Dichloropropane	ND	4.8	0.49	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2306838-02	**Date Collected**	: 02/08/23 09:40
Client ID	: PX-S	**Date Received**	: 02/08/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/13/23 17:11
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: JIC
Lab File ID	: V11230213A22	**Instrument ID**	: VOA111
Sample Amount	: 2.6 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 79
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-93-4	1,2-Dibromoethane	ND	2.4	0.67	U
142-28-9	1,3-Dichloropropane	ND	4.8	0.40	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.2	0.32	U
108-86-1	Bromobenzene	ND	4.8	0.35	U
104-51-8	n-Butylbenzene	ND	2.4	0.40	U
135-98-8	sec-Butylbenzene	ND	2.4	0.35	U
98-06-6	tert-Butylbenzene	ND	4.8	0.28	U
95-49-8	o-Chlorotoluene	ND	4.8	0.46	U
106-43-4	p-Chlorotoluene	ND	4.8	0.26	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	7.2	2.4	U
87-68-3	Hexachlorobutadiene	ND	9.6	0.41	U
98-82-8	Isopropylbenzene	ND	2.4	0.26	U
99-87-6	p-Isopropyltoluene	ND	2.4	0.26	U
91-20-3	Naphthalene	ND	9.6	1.6	U
107-13-1	Acrylonitrile	ND	9.6	2.8	U
103-65-1	n-Propylbenzene	ND	2.4	0.41	U
87-61-6	1,2,3-Trichlorobenzene	ND	4.8	0.77	U
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.65	U
108-67-8	1,3,5-Trimethylbenzene	ND	4.8	0.46	U
95-63-6	1,2,4-Trimethylbenzene	ND	4.8	0.80	U
123-91-1	1,4-Dioxane	ND	190	84.	U
105-05-5	p-Diethylbenzene	ND	4.8	0.42	U
622-96-8	p-Ethyltoluene	ND	4.8	0.92	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	4.8	0.46	U
60-29-7	Ethyl ether	ND	4.8	0.82	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2306838-02	**Date Collected**	: 02/08/23 09:40
Client ID	: PX-S	**Date Received**	: 02/08/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/13/23 17:11
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: JIC
Lab File ID	: V11230213A22	**Instrument ID**	: VOA111
Sample Amount	: 2.6 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 79
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	12	3.4	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2306838-03	**Date Collected**	: 02/08/23 10:00
Client ID	: PX-SW	**Date Received**	: 02/08/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/10/23 18:37
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: AJK
Lab File ID	: V11230210A25	**Instrument ID**	: VOA111
Sample Amount	: 4.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 92
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	6.8	3.1	U
75-34-3	1,1-Dichloroethane	ND	1.4	0.20	U
67-66-3	Chloroform	ND	2.0	0.19	U
56-23-5	Carbon tetrachloride	ND	1.4	0.31	U
78-87-5	1,2-Dichloropropane	ND	1.4	0.17	U
124-48-1	Dibromochloromethane	ND	1.4	0.19	U
79-00-5	1,1,2-Trichloroethane	ND	1.4	0.36	U
127-18-4	Tetrachloroethene	ND	0.68	0.26	U
108-90-7	Chlorobenzene	ND	0.68	0.17	U
75-69-4	Trichlorofluoromethane	ND	5.4	0.94	U
107-06-2	1,2-Dichloroethane	ND	1.4	0.35	U
71-55-6	1,1,1-Trichloroethane	ND	0.68	0.23	U
75-27-4	Bromodichloromethane	ND	0.68	0.15	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.4	0.37	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.68	0.21	U
542-75-6	1,3-Dichloropropene, Total	ND	0.68	0.21	U
563-58-6	1,1-Dichloropropene	ND	0.68	0.22	U
75-25-2	Bromoform	ND	5.4	0.33	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.68	0.22	U
71-43-2	Benzene	ND	0.68	0.22	U
108-88-3	Toluene	ND	1.4	0.74	U
100-41-4	Ethylbenzene	ND	1.4	0.19	U
74-87-3	Chloromethane	ND	5.4	1.3	U
74-83-9	Bromomethane	ND	2.7	0.79	U
75-01-4	Vinyl chloride	ND	1.4	0.45	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2306838-03	**Date Collected**	: 02/08/23 10:00
Client ID	: PX-SW	**Date Received**	: 02/08/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/10/23 18:37
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: AJK
Lab File ID	: V11230210A25	**Instrument ID**	: VOA111
Sample Amount	: 4.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 92
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.7	0.61	U
75-35-4	1,1-Dichloroethene	ND	1.4	0.32	U
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.18	U
79-01-6	Trichloroethene	ND	0.68	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.7	0.20	U
541-73-1	1,3-Dichlorobenzene	ND	2.7	0.20	U
106-46-7	1,4-Dichlorobenzene	ND	2.7	0.23	U
1634-04-4	Methyl tert butyl ether	ND	2.7	0.27	U
179601-23-1	p/m-Xylene	ND	2.7	0.76	U
95-47-6	o-Xylene	2.3	1.4	0.39	
1330-20-7	Xylenes, Total	2.3	1.4	0.39	
156-59-2	cis-1,2-Dichloroethene	ND	1.4	0.24	U
540-59-0	1,2-Dichloroethene, Total	ND	1.4	0.18	U
74-95-3	Dibromomethane	ND	2.7	0.32	U
100-42-5	Styrene	ND	1.4	0.26	U
75-71-8	Dichlorodifluoromethane	ND	14	1.2	U
67-64-1	Acetone	ND	14	6.5	U
75-15-0	Carbon disulfide	ND	14	6.2	U
78-93-3	2-Butanone	ND	14	3.0	U
108-05-4	Vinyl acetate	ND	14	2.9	U
108-10-1	4-Methyl-2-pentanone	ND	14	1.7	U
96-18-4	1,2,3-Trichloropropane	ND	2.7	0.17	U
591-78-6	2-Hexanone	ND	14	1.6	U
74-97-5	Bromochloromethane	ND	2.7	0.28	U
594-20-7	2,2-Dichloropropane	ND	2.7	0.27	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2306838-03	Date Collected	: 02/08/23 10:00
Client ID	: PX-SW	Date Received	: 02/08/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/10/23 18:37
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: V11230210A25	Instrument ID	: VOA111
Sample Amount	: 4.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 92
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.4	0.38	U
142-28-9	1,3-Dichloropropane	ND	2.7	0.23	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.68	0.18	U
108-86-1	Bromobenzene	ND	2.7	0.20	U
104-51-8	n-Butylbenzene	ND	1.4	0.23	U
135-98-8	sec-Butylbenzene	ND	1.4	0.20	U
98-06-6	tert-Butylbenzene	ND	2.7	0.16	U
95-49-8	o-Chlorotoluene	ND	2.7	0.26	U
106-43-4	p-Chlorotoluene	ND	2.7	0.15	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.1	1.4	U
87-68-3	Hexachlorobutadiene	ND	5.4	0.23	U
98-82-8	Isopropylbenzene	ND	1.4	0.15	U
99-87-6	p-Isopropyltoluene	ND	1.4	0.15	U
91-20-3	Naphthalene	1.9	5.4	0.88	J
107-13-1	Acrylonitrile	ND	5.4	1.6	U
103-65-1	n-Propylbenzene	ND	1.4	0.23	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.7	0.44	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.7	0.37	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.7	0.26	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.7	0.45	U
123-91-1	1,4-Dioxane	ND	110	48.	U
105-05-5	p-Diethylbenzene	1.8	2.7	0.24	J
622-96-8	p-Ethyltoluene	ND	2.7	0.52	U
95-93-2	1,2,4,5-Tetramethylbenzene	2.1	2.7	0.26	J
60-29-7	Ethyl ether	ND	2.7	0.46	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2306838-03	**Date Collected**	: 02/08/23 10:00
Client ID	: PX-SW	**Date Received**	: 02/08/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/10/23 18:37
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: AJK
Lab File ID	: V11230210A25	**Instrument ID**	: VOA111
Sample Amount	: 4.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 92
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.8	1.9	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2306838-04	**Date Collected**	: 02/08/23 12:15
Client ID	: FIELD BLANK	**Date Received**	: 02/08/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/09/23 12:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V01230209A15	**Instrument ID**	: VOA101
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	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2306838-04	**Date Collected**	: 02/08/23 12:15
Client ID	: FIELD BLANK	**Date Received**	: 02/08/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/09/23 12:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V01230209A15	**Instrument ID**	: VOA101
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	0.70	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	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2306838-04	Date Collected	: 02/08/23 12:15
Client ID	: FIELD BLANK	Date Received	: 02/08/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/09/23 12:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V01230209A15	Instrument ID	: VOA101
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	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2306838-04	**Date Collected**	: 02/08/23 12:15
Client ID	: FIELD BLANK	**Date Received**	: 02/08/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/09/23 12:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V01230209A15	**Instrument ID**	: VOA101
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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2306838-05	**Date Collected**	: 02/08/23 00:00
Client ID	: TRIP BLANK	**Date Received**	: 02/08/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/09/23 13:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: KJD
Lab File ID	: V01230209A16	**Instrument ID**	: VOA101
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	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2306838-05	Date Collected	: 02/08/23 00:00
Client ID	: TRIP BLANK	Date Received	: 02/08/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/09/23 13:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: KJD
Lab File ID	: V01230209A16	Instrument ID	: VOA101
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	0.70	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	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2306838-05	Date Collected	: 02/08/23 00:00
Client ID	: TRIP BLANK	Date Received	: 02/08/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/09/23 13:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: KJD
Lab File ID	: V01230209A16	Instrument ID	: VOA101
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	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2306838-05	**Date Collected**	: 02/08/23 00:00
Client ID	: TRIP BLANK	**Date Received**	: 02/08/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/09/23 13:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: KJD
Lab File ID	: V01230209A16	**Instrument ID**	: VOA101
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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1742861-5	Date Collected	: NA
Client ID	: WG1742861-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/09/23 08:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V01230209A05	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L 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	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1742861-5	Date Collected	: NA
Client ID	: WG1742861-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/09/23 08:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V01230209A05	Instrument ID	: VOA101
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	0.70	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	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1742861-5	Date Collected	: NA
Client ID	: WG1742861-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/09/23 08:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V01230209A05	Instrument ID	: VOA101
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	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1742861-5	**Date Collected**	: NA
Client ID	: WG1742861-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 02/09/23 08:27
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V01230209A05	**Instrument ID**	: VOA101
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

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1743940-5	**Date Collected**	: NA
Client ID	: WG1743940-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 02/10/23 09:19
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: NLK
Lab File ID	: V11230210A05	**Instrument ID**	: VOA111
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	5.0	2.3	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	U
67-66-3	Chloroform	ND	1.5	0.14	U
56-23-5	Carbon tetrachloride	ND	1.0	0.23	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.12	U
124-48-1	Dibromochloromethane	ND	1.0	0.14	U
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.27	U
127-18-4	Tetrachloroethene	ND	0.50	0.20	U
108-90-7	Chlorobenzene	ND	0.50	0.13	U
75-69-4	Trichlorofluoromethane	ND	4.0	0.70	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.17	U
75-27-4	Bromodichloromethane	ND	0.50	0.11	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.27	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.16	U
563-58-6	1,1-Dichloropropene	ND	0.50	0.16	U
75-25-2	Bromoform	ND	4.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.17	U
108-88-3	Toluene	ND	1.0	0.54	U
100-41-4	Ethylbenzene	ND	1.0	0.14	U
74-87-3	Chloromethane	ND	4.0	0.93	U
74-83-9	Bromomethane	0.65	2.0	0.58	J
75-01-4	Vinyl chloride	ND	1.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1743940-5	Date Collected	: NA
Client ID	: WG1743940-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/10/23 09:19
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: NLK
Lab File ID	: V11230210A05	Instrument ID	: VOA111
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.0	0.45	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.14	U
79-01-6	Trichloroethene	ND	0.50	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.56	U
95-47-6	o-Xylene	ND	1.0	0.29	U
1330-20-7	Xylenes, Total	ND	1.0	0.29	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
540-59-0	1,2-Dichloroethene, Total	ND	1.0	0.14	U
74-95-3	Dibromomethane	ND	2.0	0.24	U
100-42-5	Styrene	ND	1.0	0.20	U
75-71-8	Dichlorodifluoromethane	ND	10	0.92	U
67-64-1	Acetone	ND	10	4.8	U
75-15-0	Carbon disulfide	ND	10	4.6	U
78-93-3	2-Butanone	ND	10	2.2	U
108-05-4	Vinyl acetate	ND	10	2.2	U
108-10-1	4-Methyl-2-pentanone	ND	10	1.3	U
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.13	U
591-78-6	2-Hexanone	ND	10	1.2	U
74-97-5	Bromochloromethane	ND	2.0	0.20	U
594-20-7	2,2-Dichloropropane	ND	2.0	0.20	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1743940-5	Date Collected	: NA
Client ID	: WG1743940-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/10/23 09:19
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: NLK
Lab File ID	: V11230210A05	Instrument ID	: VOA111
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	U
142-28-9	1,3-Dichloropropane	ND	2.0	0.17	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	U
108-86-1	Bromobenzene	ND	2.0	0.14	U
104-51-8	n-Butylbenzene	ND	1.0	0.17	U
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
95-49-8	o-Chlorotoluene	ND	2.0	0.19	U
106-43-4	p-Chlorotoluene	ND	2.0	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.0	1.0	U
87-68-3	Hexachlorobutadiene	ND	4.0	0.17	U
98-82-8	Isopropylbenzene	ND	1.0	0.11	U
99-87-6	p-Isopropyltoluene	ND	1.0	0.11	U
91-20-3	Naphthalene	0.82	4.0	0.65	J
107-13-1	Acrylonitrile	ND	4.0	1.2	U
103-65-1	n-Propylbenzene	ND	1.0	0.17	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.32	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.27	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.33	U
123-91-1	1,4-Dioxane	ND	80	35.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.18	U
622-96-8	p-Ethyltoluene	ND	2.0	0.38	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.19	U
60-29-7	Ethyl ether	ND	2.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1743940-5	**Date Collected**	: NA
Client ID	: WG1743940-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 02/10/23 09:19
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: NLK
Lab File ID	: V11230210A05	**Instrument ID**	: VOA111
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	1.4	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1744281-5	Date Collected	: NA
Client ID	: WG1744281-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/13/23 09:18
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: JIC
Lab File ID	: V11230213A05	Instrument ID	: VOA111
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5.0	2.3	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	U
67-66-3	Chloroform	ND	1.5	0.14	U
56-23-5	Carbon tetrachloride	ND	1.0	0.23	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.12	U
124-48-1	Dibromochloromethane	ND	1.0	0.14	U
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.27	U
127-18-4	Tetrachloroethene	ND	0.50	0.20	U
108-90-7	Chlorobenzene	ND	0.50	0.13	U
75-69-4	Trichlorofluoromethane	ND	4.0	0.70	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.17	U
75-27-4	Bromodichloromethane	ND	0.50	0.11	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.27	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.16	U
563-58-6	1,1-Dichloropropene	ND	0.50	0.16	U
75-25-2	Bromoform	ND	4.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.17	U
108-88-3	Toluene	ND	1.0	0.54	U
100-41-4	Ethylbenzene	ND	1.0	0.14	U
74-87-3	Chloromethane	ND	4.0	0.93	U
74-83-9	Bromomethane	ND	2.0	0.58	U
75-01-4	Vinyl chloride	ND	1.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1744281-5	**Date Collected**	: NA
Client ID	: WG1744281-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 02/13/23 09:18
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: JIC
Lab File ID	: V11230213A05	**Instrument ID**	: VOA111
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.0	0.45	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.14	U
79-01-6	Trichloroethene	ND	0.50	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.56	U
95-47-6	o-Xylene	ND	1.0	0.29	U
1330-20-7	Xylenes, Total	ND	1.0	0.29	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
540-59-0	1,2-Dichloroethene, Total	ND	1.0	0.14	U
74-95-3	Dibromomethane	ND	2.0	0.24	U
100-42-5	Styrene	ND	1.0	0.20	U
75-71-8	Dichlorodifluoromethane	ND	10	0.92	U
67-64-1	Acetone	ND	10	4.8	U
75-15-0	Carbon disulfide	ND	10	4.6	U
78-93-3	2-Butanone	ND	10	2.2	U
108-05-4	Vinyl acetate	ND	10	2.2	U
108-10-1	4-Methyl-2-pentanone	ND	10	1.3	U
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.13	U
591-78-6	2-Hexanone	ND	10	1.2	U
74-97-5	Bromochloromethane	ND	2.0	0.20	U
594-20-7	2,2-Dichloropropane	ND	2.0	0.20	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2306838
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1744281-5	Date Collected	: NA
Client ID	: WG1744281-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/13/23 09:18
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: JIC
Lab File ID	: V11230213A05	Instrument ID	: VOA111
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	U
142-28-9	1,3-Dichloropropane	ND	2.0	0.17	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	U
108-86-1	Bromobenzene	ND	2.0	0.14	U
104-51-8	n-Butylbenzene	ND	1.0	0.17	U
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
95-49-8	o-Chlorotoluene	ND	2.0	0.19	U
106-43-4	p-Chlorotoluene	ND	2.0	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.0	1.0	U
87-68-3	Hexachlorobutadiene	ND	4.0	0.17	U
98-82-8	Isopropylbenzene	ND	1.0	0.11	U
99-87-6	p-Isopropyltoluene	ND	1.0	0.11	U
91-20-3	Naphthalene	ND	4.0	0.65	U
107-13-1	Acrylonitrile	ND	4.0	1.2	U
103-65-1	n-Propylbenzene	ND	1.0	0.17	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.32	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.27	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.33	U
123-91-1	1,4-Dioxane	ND	80	35.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.18	U
622-96-8	p-Ethyltoluene	ND	2.0	0.38	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.19	U
60-29-7	Ethyl ether	ND	2.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1744281-5	**Date Collected**	: NA
Client ID	: WG1744281-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 02/13/23 09:18
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: JIC
Lab File ID	: V11230213A05	**Instrument ID**	: VOA111
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	1.4	U

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A15.D
Acq On : 9 Feb 2023 12:45 pm
Operator : VOA101:PID
Sample : L2306838-04,31,10,10,,A
Misc : WG1742861,ICAL19605
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 09 13:05:13 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2023\230209A\V01230209A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.076	96	356334	10.000	ug/L	0.00
Standard Area 1 = 380643			Recovery = 93.61%			
59) Chlorobenzene-d5	9.615	117	287421	10.000	ug/L	0.00
Standard Area 1 = 309209			Recovery = 92.95%			
79) 1,4-Dichlorobenzene-d4	12.301	152	141963	10.000	ug/L	0.00
Standard Area 1 = 164050			Recovery = 86.54%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.273	113	100266	10.083	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.83%			
43) 1,2-Dichloroethane-d4	5.798	65	114092	10.491	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.91%			
60) Toluene-d8	7.769	98	356706	10.181	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.81%			
83) 4-Bromofluorobenzene	11.099	95	131067	11.325	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.25%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.888	50	71	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.276	94	180	N.D.		
6) Chloroethane	2.348	64	237	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	3.065	76	863	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.642	43	1650M3	0.981	ug/L	
18) trans-1,2-Dichloroethene	3.734	96	35	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	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	5.022	77	26	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A15.D
Acq On : 9 Feb 2023 12:45 pm
Operator : VOA101:PID
Sample : L2306838-04,31,10,10,,A
Misc : WG1742861,ICAL19605
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 09 13:05:13 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2023\230209A\V01230209A01.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	5.441	43	27		N.D.	
40) 1,1-Dichloropropene	5.284	75	30		N.D.	
41) Benzene	5.664	78	235		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	0.000		0		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	7.836	92	162		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	0.000		0		N.D.	
74) Ethylbenzene	9.621	91	266		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	0.000		0		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	0.000		0		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	0.000		0		N.D.	

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A15.D
Acq On : 9 Feb 2023 12:45 pm
Operator : VOA101:PID
Sample : L2306838-04,31,10,10,,A
Misc : WG1742861,ICAL19605
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 09 13:05:13 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2023\230209A\V01230209A01.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	12.306	146	56		N.D.	
101)	1,4-Dichlorobenzene	12.317	146	26		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	0.000		0		N.D.	

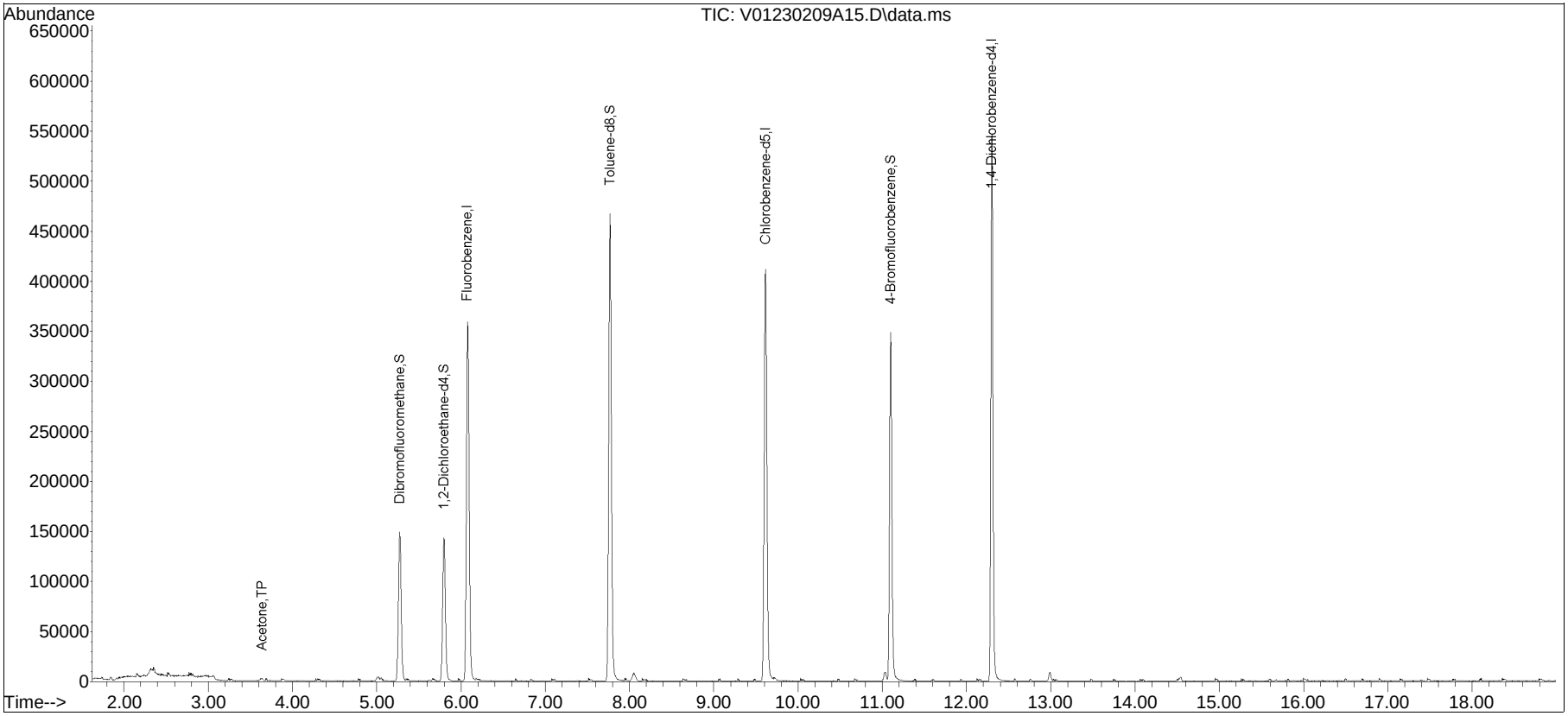
(#) = qualifier out of range (m) = manual integration (+) = signals summed

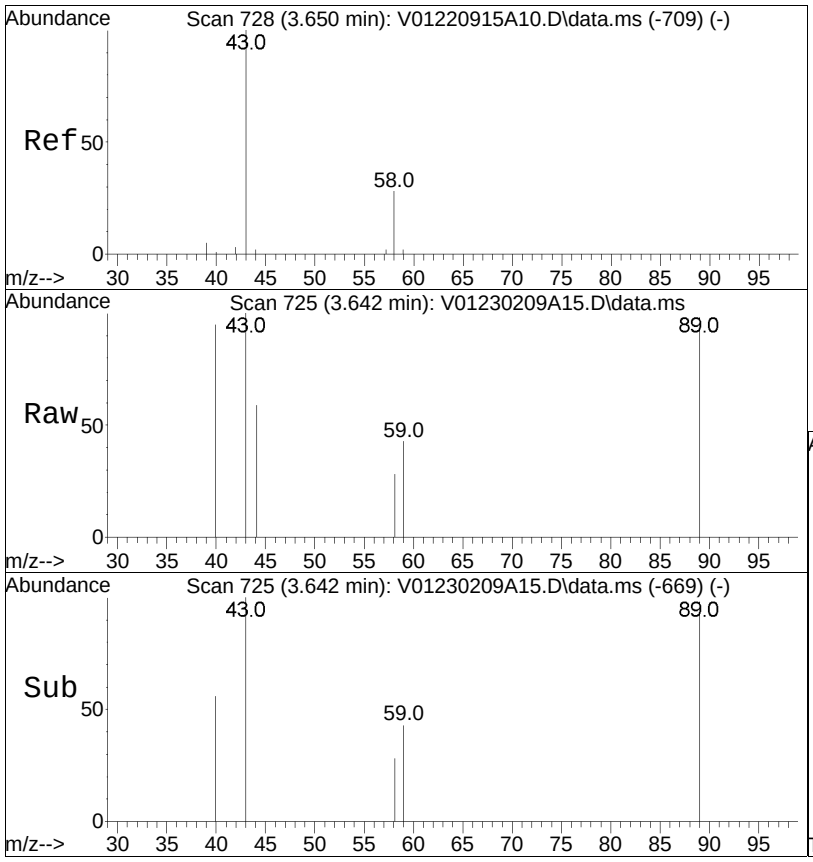
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A15.D
Acq On : 9 Feb 2023 12:45 pm
Operator : VOA101:PID
Sample : L2306838-04,31,10,10,,A
Misc : WG1742861,ICAL19605
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 09 13:05:13 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox30209A\V01230209A01.D•

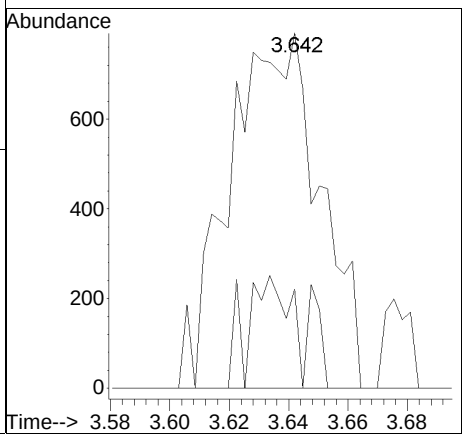




#17
Acetone
Concen: 0.98 ug/L M3
RT: 3.642 min Scan# 725
Delta R.T. 0.006 min
Lab File: V01230209A15.D
Acq: 9 Feb 2023 12:45 pm

Tgt Ion: 43 Resp: 1650

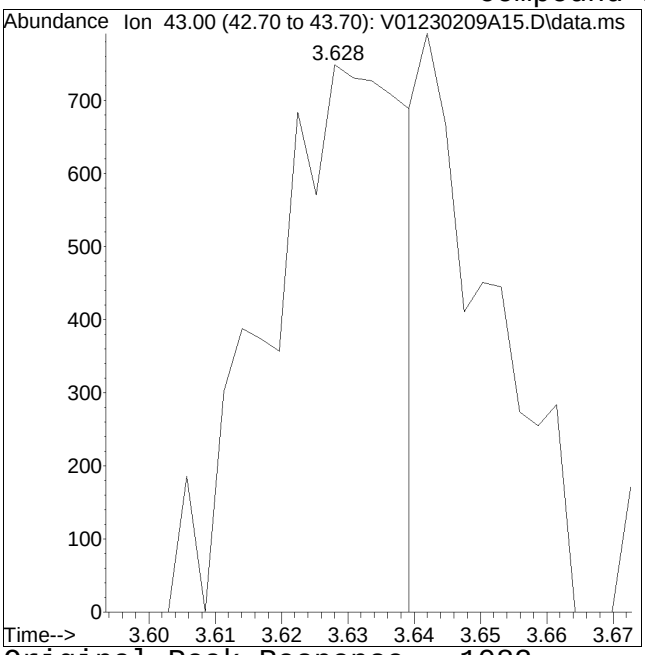
Ion	Ratio	Lower	Upper
43	100		
58	12.8	25.9	38.9#

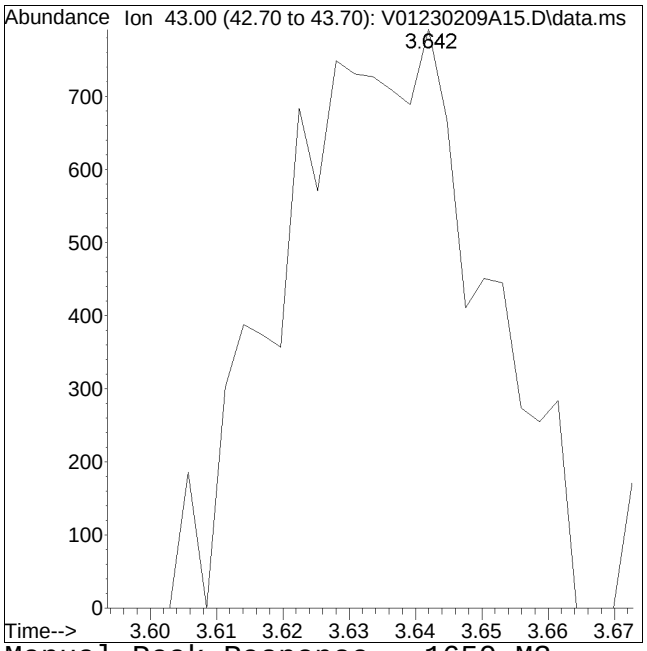


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2023\2QMethod : V101_221216A_8260.m
Data File : V01230209A15.D Operator : VOA101:PID
Date Inj'd : 2/9/2023 12:45 pm Instrument : VOA 101
Sample : L2306838-04,31,10,10,,A Quant Date : 2/9/2023 1:05 pm

Compound #17: Acetone





Original Peak Response = 1082 Manual Peak Response = 1650 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A16.D
Acq On : 9 Feb 2023 1:11 pm
Operator : VOA101:KJD
Sample : L2306838-05,31,10,10,,A
Misc : WG1742861,ICAL19605
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 09 16:01:09 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2023\230209A\V01230209A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.082	96	358025	10.000	ug/L	0.00
Standard Area 1 = 380643			Recovery = 94.06%			
59) Chlorobenzene-d5	9.615	117	286923	10.000	ug/L	0.00
Standard Area 1 = 309209			Recovery = 92.79%			
79) 1,4-Dichlorobenzene-d4	12.301	152	141421	10.000	ug/L	0.00
Standard Area 1 = 164050			Recovery = 86.21%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.271	113	101921	10.201	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.01%			
43) 1,2-Dichloroethane-d4	5.795	65	114395	10.470	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.70%			
60) Toluene-d8	7.769	98	358277	10.244	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.44%			
83) 4-Bromofluorobenzene	11.099	95	129376	11.222	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.22%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.885	50	87	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.284	94	110	N.D.		
6) Chloroethane	2.398	64	137	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	0.000		0	N.D.	d	
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
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	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	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A16.D
Acq On : 9 Feb 2023 1:11 pm
Operator : VOA101:KJD
Sample : L2306838-05,31,10,10,,A
Misc : WG1742861,ICAL19605
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 09 16:01:09 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2023\230209A\V01230209A01.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	5.407	43	35		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	5.667	78	30		N.D.	
44) 1,2-Dichloroethane	5.865	62	30		N.D.	
48) Trichloroethene	0.000		0		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	7.831	92	148		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	0.000		0		N.D.	
74) Ethylbenzene	9.621	91	187		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	0.000		0		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	0.000		0		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	0.000		0		N.D.	

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A16.D
Acq On : 9 Feb 2023 1:11 pm
Operator : VOA101:KJD
Sample : L2306838-05,31,10,10,,A
Misc : WG1742861,ICAL19605
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 09 16:01:09 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2023\230209A\V01230209A01.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	12.304	146	52		N.D.	
101)	1,4-Dichlorobenzene	0.000		0		N.D.	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	0.000		0		N.D.	

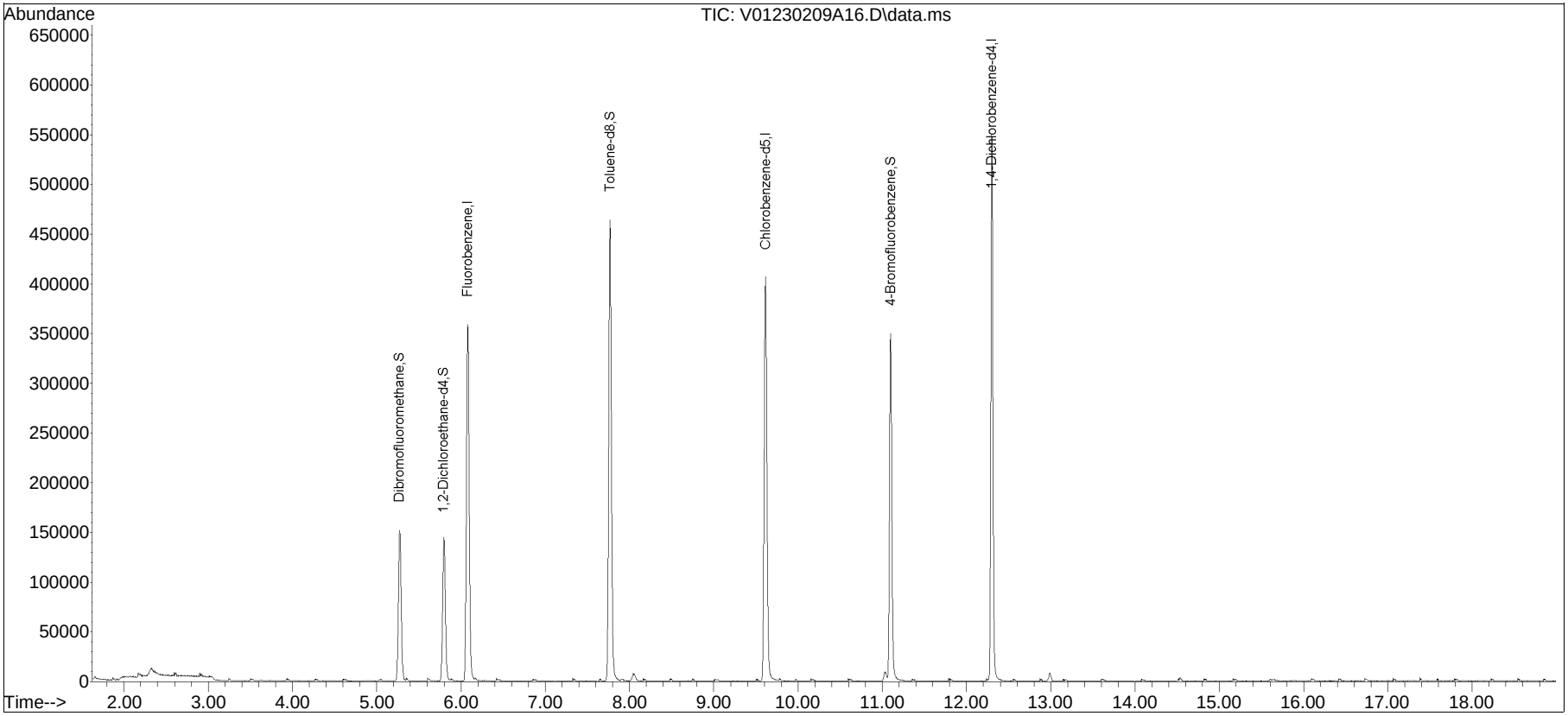
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A16.D
Acq On : 9 Feb 2023 1:11 pm
Operator : VOA101:KJD
Sample : L2306838-05,31,10,10,,A
Misc : WG1742861,ICAL19605
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 09 16:01:09 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox30209A\V01230209A01.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA101\2023\2Q	Method	: V101_221216A_8260.m
Data File	: V01230209A16.D	Operator	: VOA101:KJD
Date Inj'd	: 2/9/2023 1:11 pm	Instrument	: VOA 101
Sample	: L2306838-05,31,10,10,,A	Quant Date	: 2/9/2023 3:58 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A23.D
Acq On : 10 Feb 2023 05:41 pm
Operator : VOA111:AJK
Sample : L2306838-01,31,3.80,5,,Y
Misc : WG1743940,ICAL19665
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Feb 13 07:06:06 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230210A\V11230210A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.265	96	81723	20.000 ug/L	0.00
Standard Area 1 = 76148			Recovery = 107.32%		
59) Chlorobenzene-d5	9.841	117	61122	20.000 ug/L	-0.01
Standard Area 1 = 56431			Recovery = 108.31%		
79) 1,4-Dichlorobenzene-d4	12.489	152	29615	20.000 ug/L	0.00
Standard Area 1 = 29151			Recovery = 101.59%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.437	113	21156	20.185 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.93%		
43) 1,2-Dichloroethane-d4	5.971	65	20888	20.101 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.51%		
60) Toluene-d8	7.979	98	81811	20.649 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.25%		
83) 4-Bromofluorobenzene	11.298	95	24649	19.739 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.69%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	0.000		0	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	3.135	76	529	0.290 ug/L #	73
15) Methylene chloride	3.685	84	48	N.D.	
17) Acetone	0.000		0	N.D. d	
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	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	0.000		0	N.D.	

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A23.D
Acq On : 10 Feb 2023 05:41 pm
Operator : VOA111:AJK
Sample : L2306838-01,31,3.80,5,,Y
Misc : WG1743940,ICAL19665
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Feb 13 07:06:06 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230210A\V11230210A01.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	0.000		0		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	0.000		0		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	0.000		0		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	0.000		0		N.D.	
74) Ethylbenzene	0.000		0		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	0.000		0		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	0.000		0		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	0.000		0		N.D.	

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A23.D
Acq On : 10 Feb 2023 05:41 pm
Operator : VOA111:AJK
Sample : L2306838-01,31,3.80,5,,Y
Misc : WG1743940,ICAL19665
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Feb 13 07:06:06 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230210A\V11230210A01.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	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	0.000		0	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	14.617	128	973	0.367	ug/L	100
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

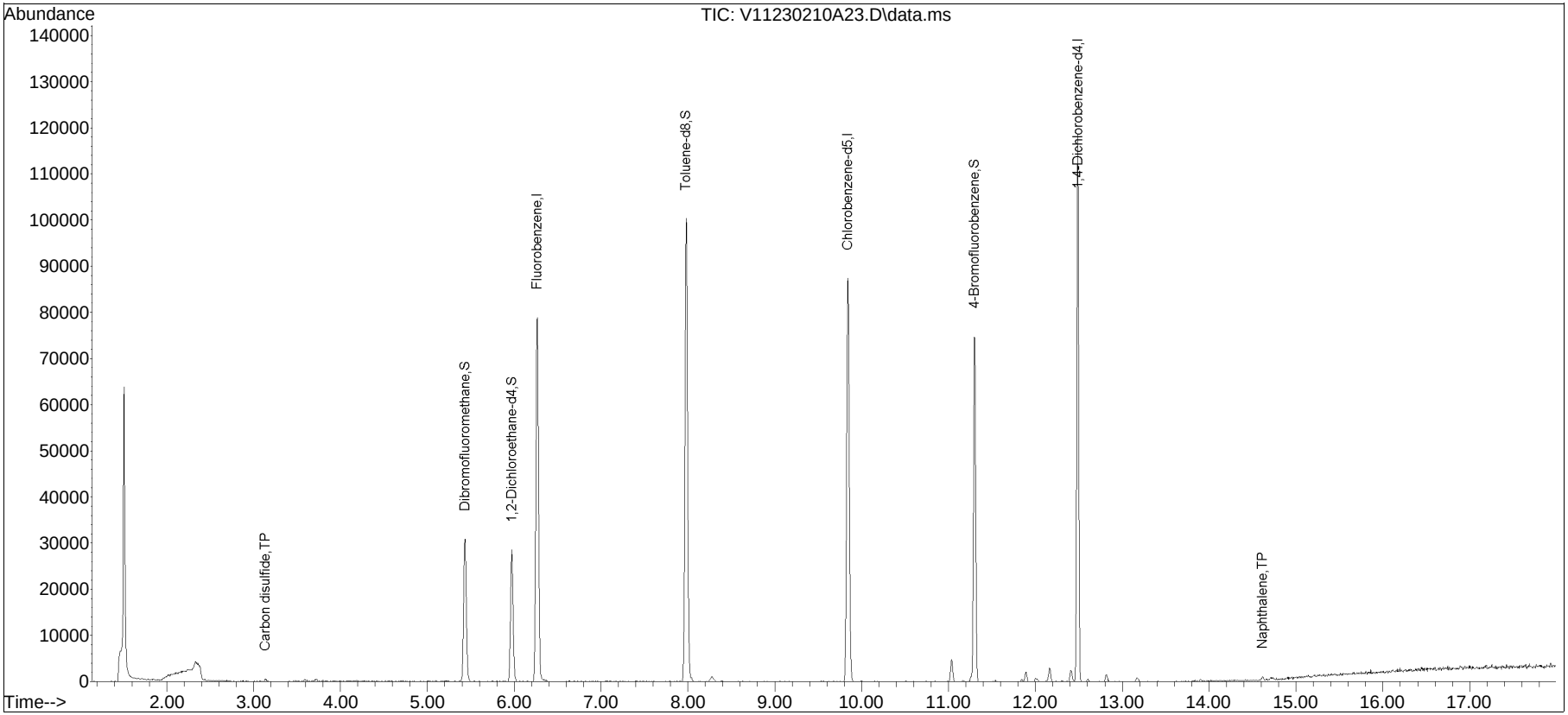
(#) = qualifier out of range (m) = manual integration (+) = signals summed

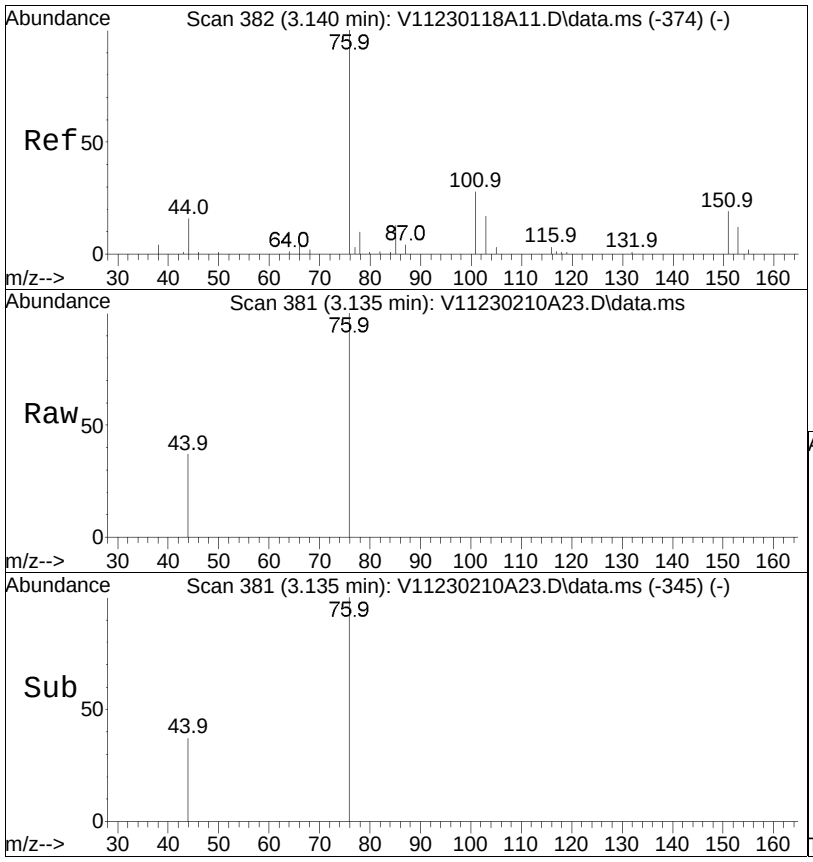
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A23.D
Acq On : 10 Feb 2023 05:41 pm
Operator : VOA111:AJK
Sample : L2306838-01,31,3.80,5,,Y
Misc : WG1743940,ICAL19665
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Feb 13 07:06:06 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox30210A\V11230210A01.D•

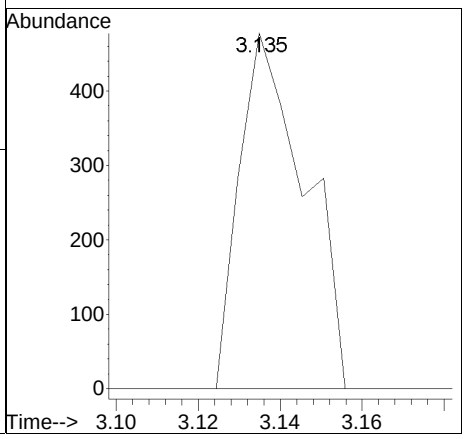


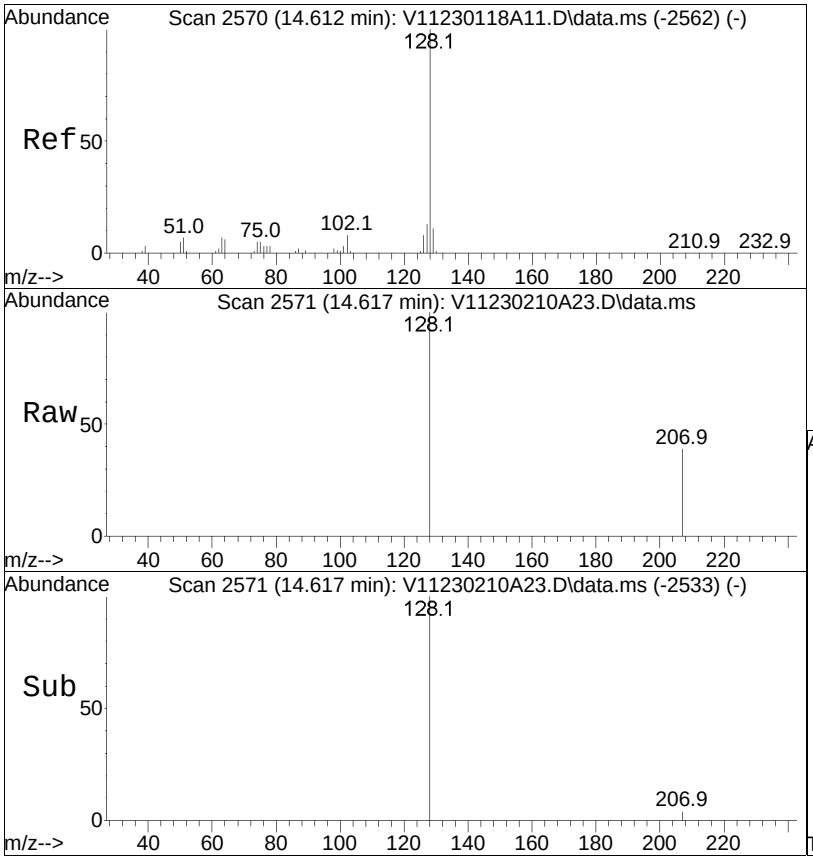


#11
Carbon disulfide
Concen: 0.29 ug/L
RT: 3.135 min Scan# 381
Delta R.T. -0.010 min
Lab File: V11230210A23.D
Acq: 10 Feb 2023 05:41 pm

Tgt Ion: 76 Resp: 529

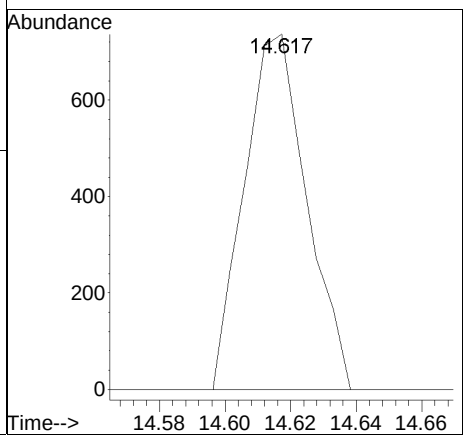
Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.4	13.4#





#110
Naphthalene
Concen: 0.37 ug/L
RT: 14.617 min Scan# 2571
Delta R.T. 0.000 min
Lab File: V11230210A23.D
Acq: 10 Feb 2023 05:41 pm

Tgt Ion:128 Resp: 973



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2	QMethod	: V111_230118_8260.m
Data File	: V11230210A23.D	Operator	: VOA111:AJK
Date Inj'd	: 2/10/2023 5:41 pm	Instrument	: VOA111
Sample	: L2306838-01,31,3.80,5,,Y	Quant Date	: 2/13/2023 7:00 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A25.D
Acq On : 10 Feb 2023 06:37 pm
Operator : VOA111:AJK
Sample : L2306838-03,31,4.00,5,,Y
Misc : WG1743940,ICAL19665
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 13 07:07:08 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230210A\V11230210A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	74080	20.000	ug/L	0.00
Standard Area 1 = 76148			Recovery =	97.28%		
59) Chlorobenzene-d5	9.841	117	55118	20.000	ug/L	-0.01
Standard Area 1 = 56431			Recovery =	97.67%		
79) 1,4-Dichlorobenzene-d4	12.488	152	26958	20.000	ug/L	0.00
Standard Area 1 = 29151			Recovery =	92.48%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.436	113	19456	20.478	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.39%		
43) 1,2-Dichloroethane-d4	5.971	65	19336	20.527	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.64%		
60) Toluene-d8	7.979	98	73363	20.534	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.67%		
83) 4-Bromofluorobenzene	11.298	95	22445	19.745	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.73%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	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	3.140	76	568	0.344	ug/L #	73
15) Methylene chloride	0.000		0	N.D. d		
17) Acetone	0.000		0	N.D. d		
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	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	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A25.D
Acq On : 10 Feb 2023 06:37 pm
Operator : VOA111:AJK
Sample : L2306838-03,31,4.00,5,,Y
Misc : WG1743940,ICAL19665
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 13 07:07:08 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230210A\V11230210A01.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	0.000		0	N.D.		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	0.000		0	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	0.000		0	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	0.000		0	N.D.		
74) Ethylbenzene	0.000		0	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	10.611	106	2527	1.710	ug/L	97
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	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	11.676	105	291	N.D.		
89) 2-Chlorotoluene	0.000		0	N.D.		
90) 1,3,5-Trimethylbenzene	11.676	105	291	N.D.		
91) 1,2,3-Trichloropropane	0.000		0	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	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A25.D
Acq On : 10 Feb 2023 06:37 pm
Operator : VOA111:AJK
Sample : L2306838-03,31,4.00,5,,Y
Misc : WG1743940,ICAL19665
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 13 07:07:08 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230210A\V11230210A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	11.896	105	234	N.D.		
98) sec-Butylbenzene	0.000		0	N.D.		
99) p-Isopropyltoluene	0.000		0	N.D. d		
100) 1,3-Dichlorobenzene	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	0.000		0	N.D.		
102) p-Diethylbenzene	12.740	119	2692	1.320	ug/L #	51
103) n-Butylbenzene	0.000		0	N.D. d		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
105) 1,2,4,5-Tetramethylben...	13.495	119	5024	1.577	ug/L #	91
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	14.612	128	3420	1.416	ug/L	100
111) 1,2,3-Trichlorobenzene	14.785	180	52	N.D.		

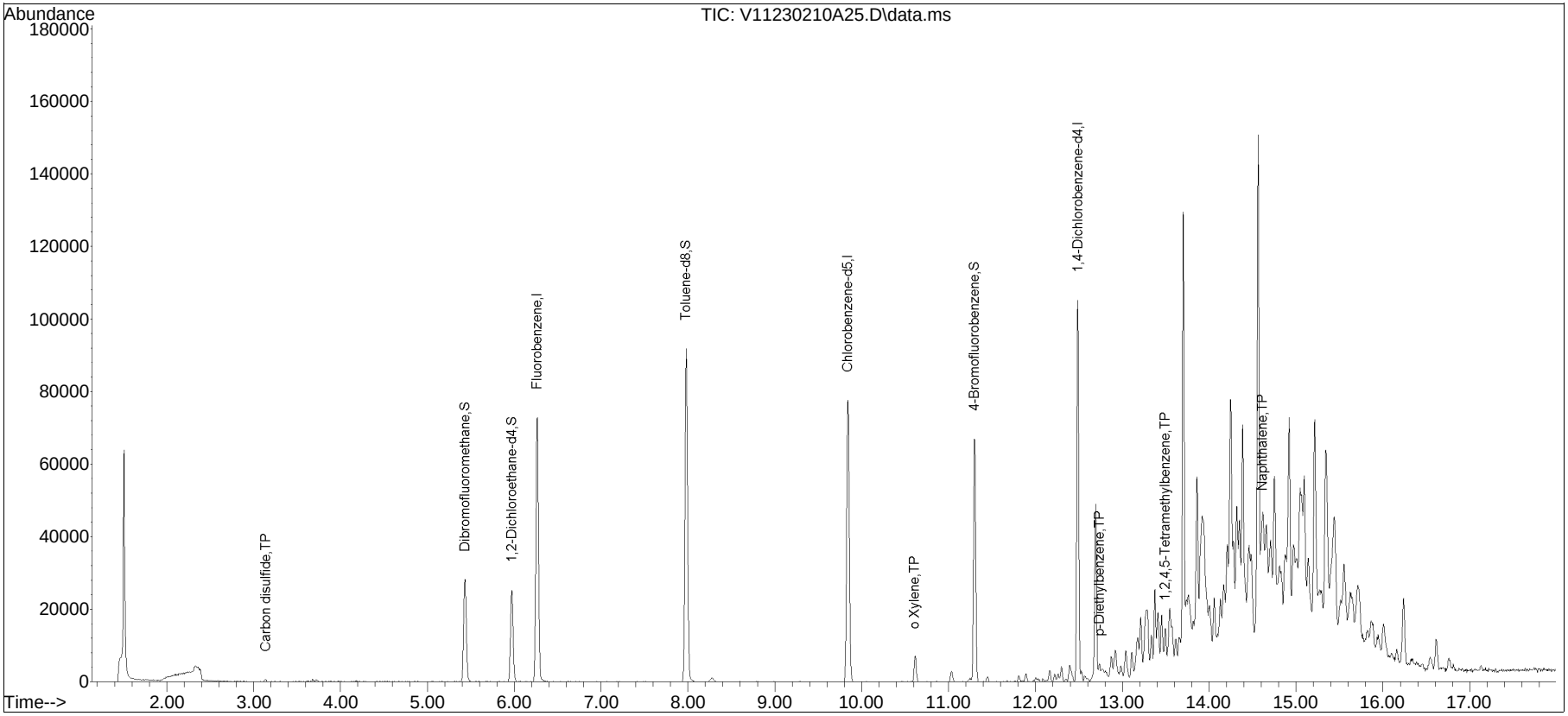
(#) = qualifier out of range (m) = manual integration (+) = signals summed

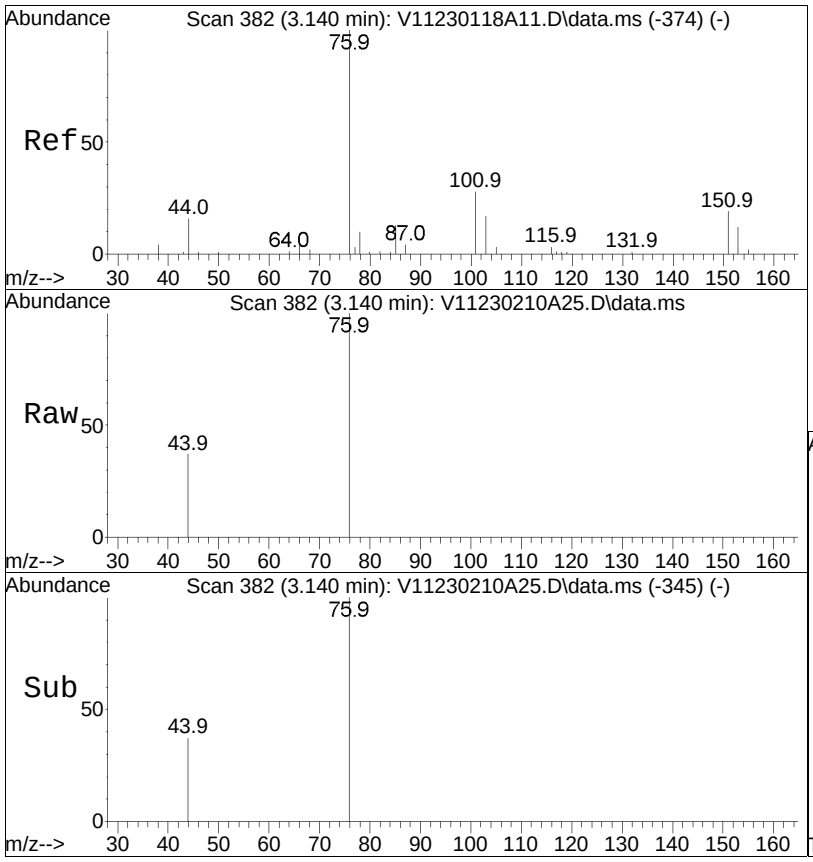
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A25.D
Acq On : 10 Feb 2023 06:37 pm
Operator : VOA111:AJK
Sample : L2306838-03,31,4.00,5,,Y
Misc : WG1743940,ICAL19665
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 13 07:07:08 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox30210A\V11230210A01.D•

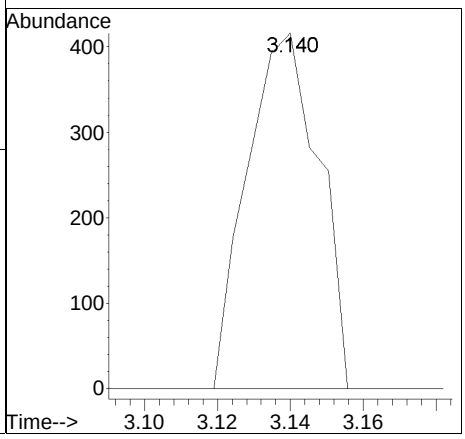


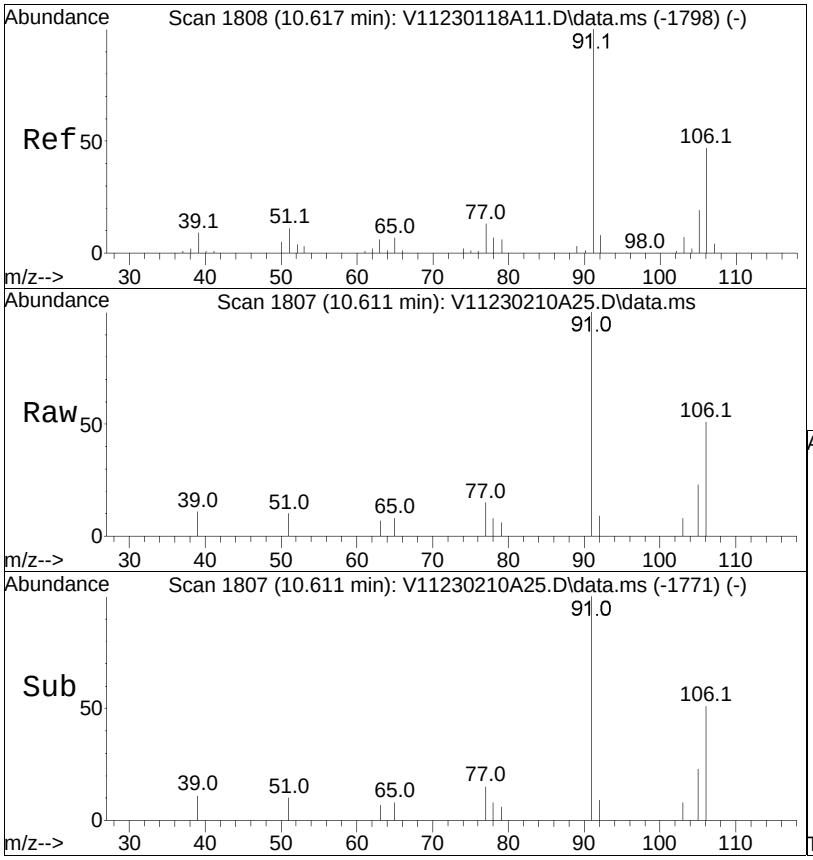


#11
Carbon disulfide
Concen: 0.34 ug/L
RT: 3.140 min Scan# 382
Delta R.T. -0.005 min
Lab File: V11230210A25.D
Acq: 10 Feb 2023 06:37 pm

Tgt Ion: 76 Resp: 568

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.4	13.4#

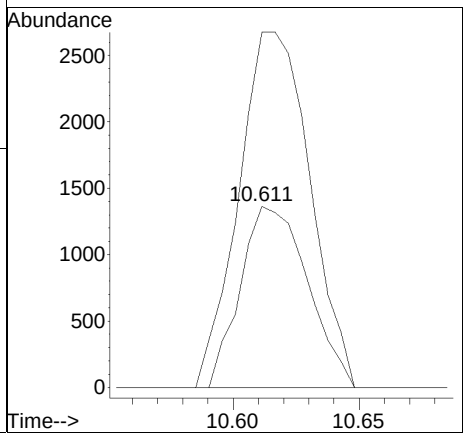


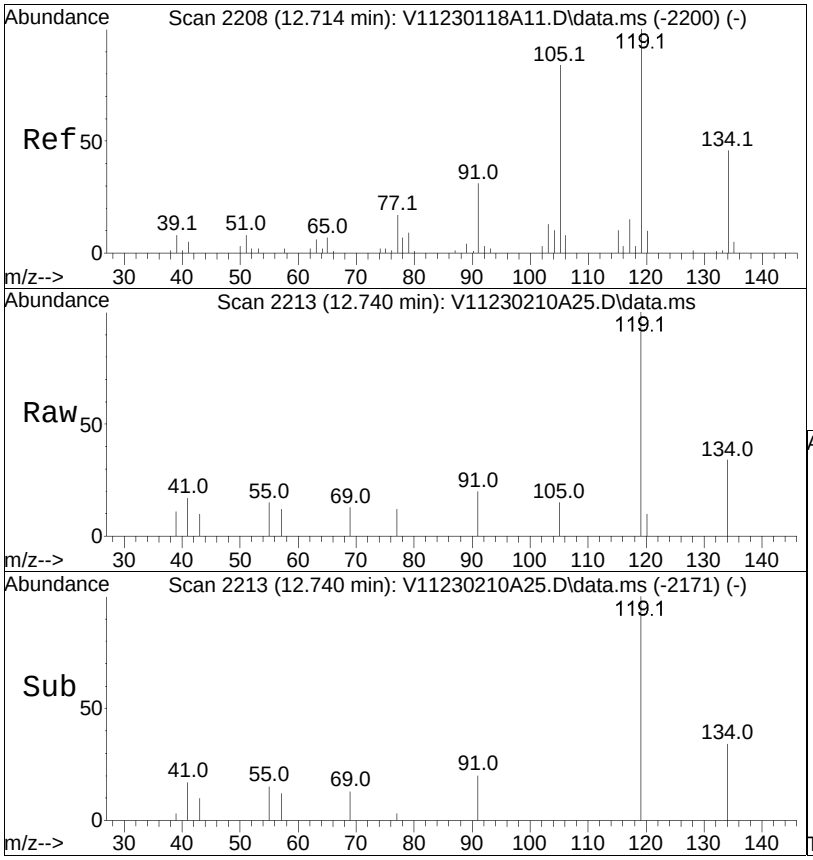


#77
o Xylene
Concen: 1.71 ug/L
RT: 10.611 min Scan# 1807
Delta R.T. -0.011 min
Lab File: V11230210A25.D
Acq: 10 Feb 2023 06:37 pm

Tgt Ion:106 Resp: 2527

Ion	Ratio	Lower	Upper
106	100		
91	208.2	170.2	255.2

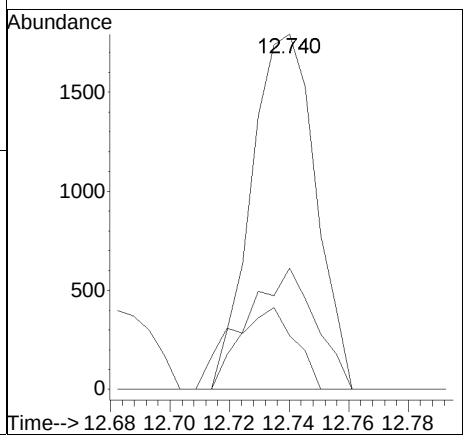


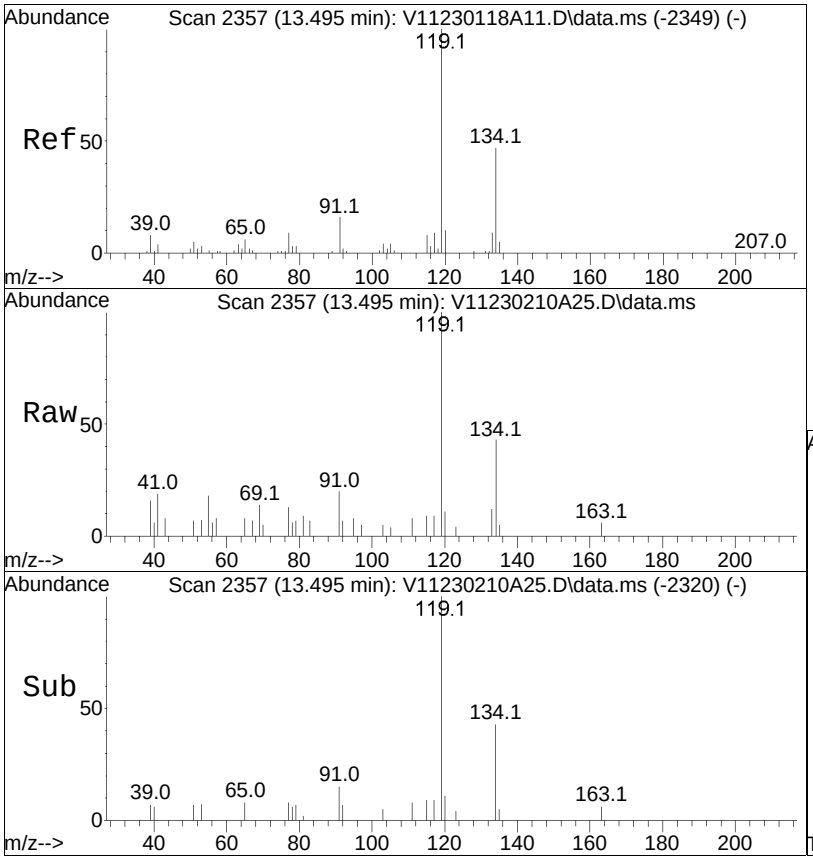


#102
p-Diethylbenzene
Concen: 1.32 ug/L
RT: 12.740 min Scan# 2213
Delta R.T. 0.021 min
Lab File: V11230210A25.D
Acq: 10 Feb 2023 06:37 pm

Tgt Ion:119 Resp: 2692

Ion	Ratio	Lower	Upper
119	100		
105	23.3	54.5	113.3#
134	34.6	29.9	62.1

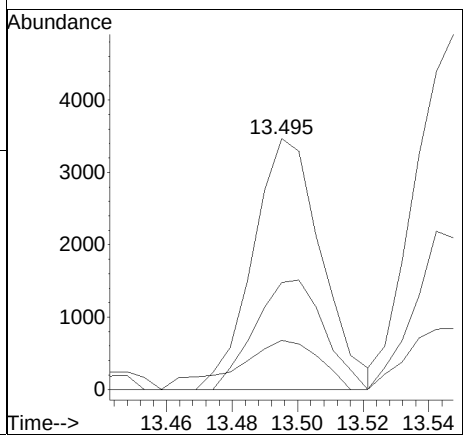


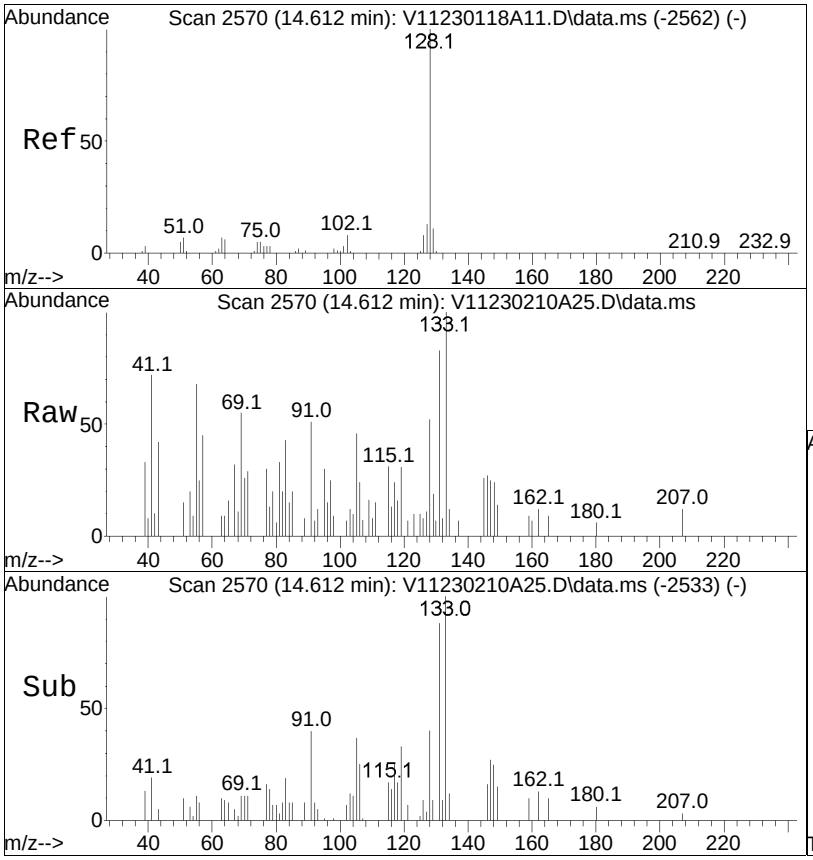


#105
1,2,4,5-Tetramethylbenzene
Concen: 1.58 ug/L
RT: 13.495 min Scan# 2357
Delta R.T. -0.005 min
Lab File: V11230210A25.D
Acq: 10 Feb 2023 06:37 pm

Tgt Ion:119 Resp: 5024

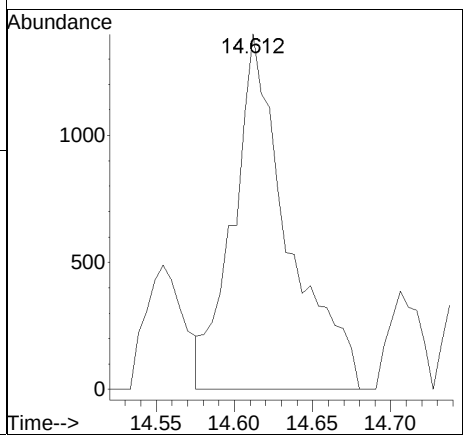
Ion	Ratio	Lower	Upper
119	100		
134	44.0	31.1	64.5
91	23.6	10.4	21.6#





#110
Naphthalene
Concen: 1.42 ug/L
RT: 14.612 min Scan# 2570
Delta R.T. -0.005 min
Lab File: V11230210A25.D
Acq: 10 Feb 2023 06:37 pm

Tgt Ion:128 Resp: 3420



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2	QMethod	: V111_230118_8260.m
Data File	: V11230210A25.D	Operator	: VOA111:AJK
Date Inj'd	: 2/10/2023 6:37 pm	Instrument	: VOA111
Sample	: L2306838-03,31,4.00,5,,Y	Quant Date	: 2/13/2023 7:00 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213A22.D
Acq On : 13 Feb 2023 05:11 pm
Operator : VOA111:JIC
Sample : l2306838-02,31,2.63,5,,z
Misc : WG1744281,ICAL19665
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 14 13:36:00 2023
Quant Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230213A\V11230213A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	62042	20.000	ug/L	0.00
Standard Area 1 = 84561			Recovery = 73.37%			
59) Chlorobenzene-d5	9.841	117	46903	20.000	ug/L	-0.01
Standard Area 1 = 63730			Recovery = 73.60%			
79) 1,4-Dichlorobenzene-d4	12.488	152	21978	20.000	ug/L	0.00
Standard Area 1 = 32706			Recovery = 67.20%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.431	113	16807	21.122	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.61%			
43) 1,2-Dichloroethane-d4	5.971	65	16801	21.297	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 106.49%			
60) Toluene-d8	7.979	98	61598	20.261	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.31%			
83) 4-Bromofluorobenzene	11.298	95	18564	20.032	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.16%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	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	0.000		0	N.D.	d	
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
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	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	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213A22.D
Acq On : 13 Feb 2023 05:11 pm
Operator : VOA111:JIC
Sample : l2306838-02,31,2.63,5,,z
Misc : WG1744281,ICAL19665
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 14 13:36:00 2023
Quant Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230213A\V11230213A02.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	0.000		0		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	0.000		0		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	0.000		0		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	0.000		0		N.D.	
74) Ethylbenzene	0.000		0		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	0.000		0		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	0.000		0		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	0.000		0		N.D.	

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213A22.D
Acq On : 13 Feb 2023 05:11 pm
Operator : VOA111:JIC
Sample : l2306838-02,31,2.63,5,,z
Misc : WG1744281,ICAL19665
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 14 13:36:00 2023
Quant Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230213A\V11230213A02.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	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	0.000		0	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	14.617	128	360	0.183	ug/L	100
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

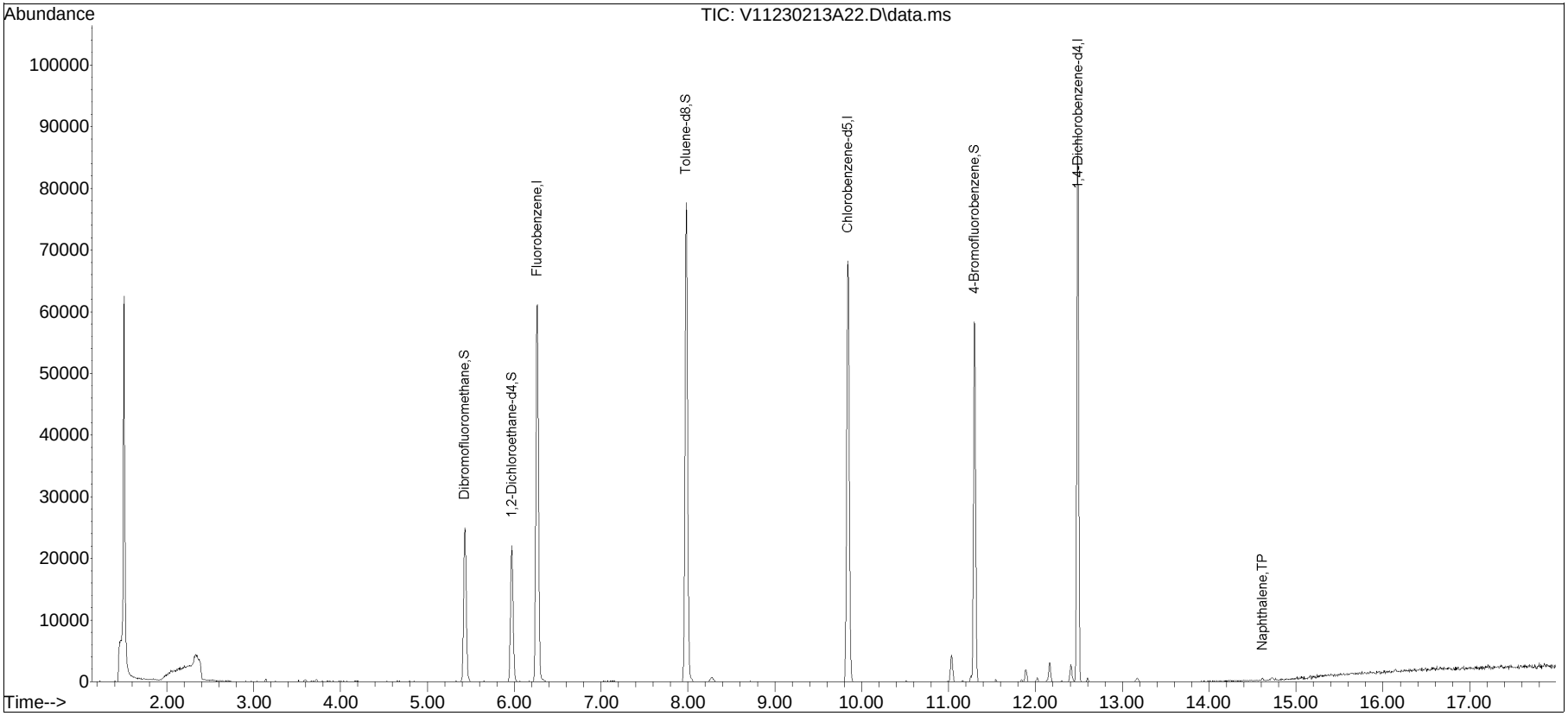
(#) = qualifier out of range (m) = manual integration (+) = signals summed

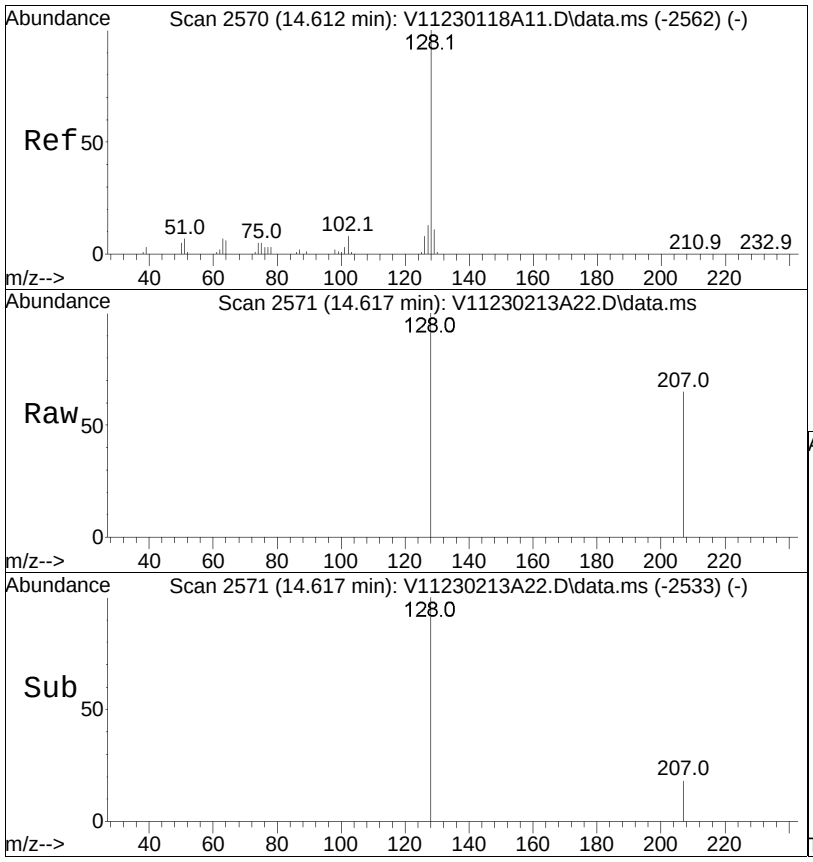
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213A22.D
Acq On : 13 Feb 2023 05:11 pm
Operator : VOA111:JIC
Sample : l2306838-02,31,2.63,5,,z
Misc : WG1744281,ICAL19665
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 14 13:36:00 2023
Quant Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

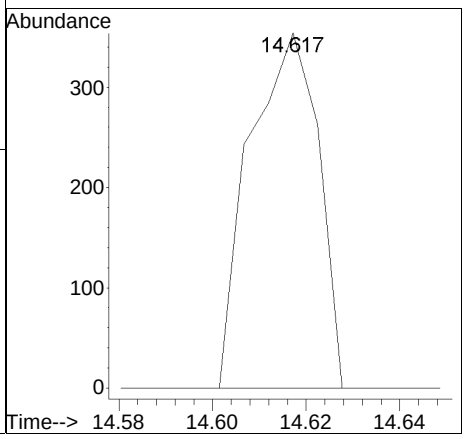
Sub List : 8260-NYTCL - Megamix plus Diox30213A\V11230213A02.D•





#110
Naphthalene
Concen: 0.18 ug/L
RT: 14.617 min Scan# 2571
Delta R.T. 0.000 min
Lab File: V11230213A22.D
Acq: 13 Feb 2023 05:11 pm

Tgt Ion:128 Resp: 360



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2	QMethod	: V111_230118_8260.m
Data File	: V11230213A22.D	Operator	: VOA111:JIC
Date Inj'd	: 2/13/2023 5:11 pm	Instrument	: VOA111
Sample	: l2306838-02,31,2.63,5,,z	Quant Date	: 2/14/2023 11:22 am

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

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2306838**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL19605**
Calibration dates	**: 12/16/22 12:37 12/16/22 16:31**		

Calibration Files

L11 =V01221216A02.D L1 =V01221216A03.D L2 =V01221216A05.D L3 =V01221216A07.D L4 =V01221216A08.D

L6 =V01221216A09.D L8 =V01221216A10.D L10 =V01221216A11.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.179	0.217	0.227	0.228	0.238	0.246	0.252	0.227	10.75
3)	TP	Chloromethane		0.242	0.287	0.264	0.260	0.260	0.262	0.272	0.264	5.16
4)	TC	Vinyl chloride	0.319	0.319	0.391	0.385	0.382	0.383	0.383	0.390	0.369	8.39
5)	TP	Bromomethane		0.192	0.216	0.215	0.237	0.277	0.302	0.323	0.252	19.56
6)	TP	Chloroethane		0.299	0.327	0.304	0.303	0.298	0.293	0.282	0.301	4.57
7)	TP	Trichlorofluor		0.505	0.616	0.629	0.638	0.672	0.701	0.718	0.640	11.01
8)	TP	Ethyl ether		0.153	0.163	0.143	0.154	0.151	0.153	0.151	0.152	3.97
10)	TC	1,1-Dichloroet		0.309	0.352	0.350	0.355	0.369	0.382	0.395	0.359	7.72
11)	TP	Carbon disulfide		0.607	0.657	0.635	0.648	0.666	0.685	0.718	0.659	5.40
12)	TP	Freon-113		0.294	0.376	0.406	0.412	0.428	0.447	0.456	0.403	13.59
13)	TP	Iodomethane		0.264	0.340	0.285	0.315	0.395	0.313	0.432	0.335	17.91
14)	TP	Acrolein		0.016	0.023	0.021	0.024	0.025	0.026	0.025	0.023	14.99
15)	TP	Methylene chlo		0.210	0.252	0.223	0.233	0.234	0.237	0.246	0.233	6.02
17)	TP	Acetone			0.059	0.048	0.047	0.042	0.042	0.045	0.047	13.02
18)	TP	trans-1,2-Dich		0.193	0.252	0.230	0.238	0.250	0.259	0.273	0.242	10.68
19)	TP	Methyl acetate			0.109	0.097	0.108	0.111	0.113	0.116	0.109	6.11
20)	TP	Methyl tert butyl ether		0.423	0.437	0.403	0.444	0.458	0.468	0.483	0.445	6.15
21)	TP	tert-Butyl alc			0.008	0.008	0.010	0.011	0.012	0.012	0.010	17.34
22)	TP	Diisopropyl ether		0.714	0.818	0.762	0.836	0.864	0.884	0.921	0.829	8.62
23)	TP	1,1-Dichloroet		0.379	0.470	0.437	0.449	0.462	0.471	0.488	0.451	7.94
24)	TP	Halothane		0.155	0.172	0.176	0.182	0.195	0.203	0.214	0.186	10.83
25)	TP	Acrylonitrile		0.033	0.043	0.041	0.049	0.050	0.051	0.052	0.046	15.27
26)	TP	Ethyl tert-but		0.578	0.631	0.591	0.664	0.694	0.722	0.770	0.664	10.54
27)	TP	Vinyl acetate			0.368	0.351	0.444	0.502	0.530	0.553	0.458	18.56
28)	TP	cis-1,2-Dichlo		0.232	0.272	0.255	0.268	0.276	0.284	0.293	0.269	7.55
29)	TP	2,2-Dichloropr		0.287	0.334	0.330	0.352	0.372	0.382	0.392	0.350	10.36
30)	TP	Bromochloromet		0.116	0.125	0.117	0.127	0.126	0.129	0.139	0.125	6.18
31)	TP	Cyclohexane			0.369	0.428	0.453	0.489	0.510	0.544	0.466	13.46
32)	TC	Chloroform		0.401	0.462	0.419	0.436	0.446	0.455	0.471	0.442	5.60
33)	TP	Ethyl acetate			0.136	0.135	0.158	0.164	0.168	0.171	0.155	10.23
34)	TP	Carbon tetrachloride	0.335	0.223	0.272	0.295	0.328	0.369	0.393	0.414	0.329	19.48
35)	TP	Tetrahydrofuran			0.045	0.041	0.046	0.044	0.044	0.044	0.044	3.49
36)	S	Dibromofluoromethane	0.275	0.274	0.277	0.274	0.278	0.283	0.283	0.289	0.279	1.92
37)	TP	1,1,1-Trichlor		0.283	0.353	0.352	0.377	0.398	0.410	0.423	0.371	12.76
39)	TP	2-Butanone			0.051	0.055	0.067	0.067	0.066	0.067	0.062	11.87

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2306838**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL19605**
Calibration dates	**: 12/16/22 12:37 12/16/22 16:31**		

Calibration Files
L11 =V01221216A02.D L1 =V01221216A03.D L2 =V01221216A05.D L3 =V01221216A07.D L4 =V01221216A08.D
L6 =V01221216A09.D L8 =V01221216A10.D L10 =V01221216A11.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40)	TP	1,1-Dichloropr		0.247	0.306	0.317	0.338	0.353	0.361	0.374	0.328	13.15
41)	TP	Benzene	1.381	0.808	0.973	0.919	0.964	0.993	1.020	1.073	1.016	16.38
42)	TP	Tertiary-Amyl Methyl Ether		0.468	0.504	0.486	0.550	0.569	0.589	0.616	0.540	10.27
43)	S	1,2-Dichloroethane-d4	0.301	0.295	0.298	0.302	0.301	0.309	0.313	0.322	0.305	2.95
44)	TP	1,2-Dichloroet		0.298	0.321	0.285	0.306	0.303	0.305	0.313	0.304	3.72
47)	TP	Methyl cyclohe			0.324	0.389	0.423	0.454	0.479	0.532	0.433	16.70
48)	TP	Trichloroethene		0.209	0.270	0.260	0.275	0.288	0.306	0.342	0.278	14.80
50)	TP	Dibromomethane		0.124	0.135	0.126	0.138	0.138	0.140	0.145	0.135	5.63
51)	TC	1,2-Dichloropr		0.211	0.243	0.233	0.251	0.256	0.259	0.268	0.246	7.74
54)	TP	Bromodichlorom		0.250	0.290	0.277	0.313	0.325	0.334	0.348	0.305	11.35
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	6.59
58)	TP	cis-1,3-Dichlo		0.262	0.319	0.322	0.372	0.388	0.402	0.419	0.355	15.72
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.268	1.267	1.277	1.256	1.214	1.193	1.157	1.120	1.219	4.78
61)	TC	Toluene		0.655	0.803	0.754	0.776	0.798	0.809	0.840	0.776	7.70
62)	TP	4-Methyl-2-pen			0.058	0.056	0.063	0.068	0.068	0.069	0.064	8.69
63)	TP	Tetrachloroethene		0.256	0.322	0.325	0.337	0.354	0.363	0.384	0.334	12.26
65)	TP	trans-1,3-Dich		0.266	0.340	0.334	0.391	0.407	0.410	0.427	0.368	15.58
67)	TP	Ethyl methacry			0.188	0.202	0.255	0.275	0.283	0.296	0.250	17.93
68)	TP	1,1,2-Trichlor		0.170	0.192	0.178	0.188	0.188	0.188	0.194	0.185#	4.59
69)	TP	Chlorodibromom		0.176	0.226	0.224	0.263	0.284	0.288	0.294	0.251	17.34
70)	TP	1,3-Dichloropr		0.354	0.394	0.366	0.390	0.385	0.377	0.376	0.377	3.75
71)	TP	1,2-Dibromoethane		0.187	0.216	0.202	0.224	0.225	0.225	0.223	0.215	6.82
72)	TP	2-Hexanone			0.097	0.104	0.123	0.130	0.126	0.125	0.117	11.51
73)	TP	Chlorobenzene		0.782	0.935	0.851	0.897	0.931	0.945	0.988	0.904	7.59
74)	TC	Ethylbenzene		1.225	1.482	1.471	1.561	1.640	1.674	1.756	1.544	11.29
75)	TP	1,1,1,2-Tetrac		0.215	0.257	0.261	0.302	0.327	0.332	0.345	0.291	16.43
76)	TP	p/m Xylene		0.421	0.566	0.572	0.634	0.691	0.732		0.603	18.29
77)	TP	o Xylene		0.404	0.529	0.526	0.584	0.637	0.674	0.759	0.587	19.71
78)	TP	Styrene		0.595	0.810	0.844	0.973	1.067	1.119		*L	0.9966
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.153	0.191	0.212	0.278	0.324	0.336		*Q	0.9985
82)	TP	Isopropylbenzene		2.140	2.665	2.720	2.822	2.977	3.034	3.168	2.789	12.09
83)	S	4-Bromofluorobenzene	0.862	0.868	0.876	0.841	0.802	0.780	0.762	0.730	0.815	6.71
84)	TP	Bromobenzene		0.563	0.671	0.621	0.654	0.673	0.675	0.689	0.649	6.76
85)	TP	n-Propylbenzene		2.511	3.164	3.206	3.341	3.520	3.603	3.791	3.305	12.55

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2306838**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL19605**
Calibration dates	**: 12/16/22 12:37 12/16/22 16:31**		

Calibration Files
L11 =V01221216A02.D L1 =V01221216A03.D L2 =V01221216A05.D L3 =V01221216A07.D L4 =V01221216A08.D
L6 =V01221216A09.D L8 =V01221216A10.D L10 =V01221216A11.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
86) TP	1,4-Dichlorobu		0.576	0.667	0.603	0.646	0.663	0.663	0.694	0.645	6.38
87) TP	1,1,2,2-Tetrac		0.459	0.482	0.431	0.465	0.470	0.455	0.447	0.458	3.62
88) TP	4-Ethyltoluene		1.897	2.590	2.558	2.726	2.841	2.893	3.044	2.650	14.08
89) TP	2-Chlorotoluene		1.584	1.921	1.813	1.906	1.935	1.924	1.983	1.867	7.21
90) TP	1,3,5-Trimethy		1.667	2.105	2.128	2.299	2.418	2.499	2.718	2.262	14.95
91) TP	1,2,3-Trichlor		0.326	0.391	0.353	0.385	0.396	0.405	0.434	0.384	9.23
92) TP	trans-1,4-Dich			0.124	0.110	0.126	0.129	0.125	0.124	0.123	5.52
93) TP	4-Chlorotoluene		1.528	1.883	1.817	1.919	1.965	1.989	2.061	1.880	9.24
94) TP	tert-Butylbenzene		1.430	1.693	1.808	1.910	2.000	2.046	2.152	1.863	13.09
97) TP	1,2,4-Trimethy		1.609	2.045	2.077	2.222	2.329	2.368	2.508	2.165	13.60
98) TP	sec-Butylbenzene		1.912	2.478	2.590	2.759	2.885	2.940	3.071	2.662	14.59
99) TP	p-Isopropyltol		1.524	1.986	2.175	2.334	2.462	2.528	2.682	2.242	17.45
100) TP	1,3-Dichlorobe		0.989	1.209	1.169	1.263	1.298	1.309	1.357	1.228	9.99
101) TP	1,4-Dichlorobe		1.158	1.291	1.177	1.257	1.295	1.308	1.364	1.264	5.82
102) TP	p-Diethylbenzene		0.877	1.099	1.190	1.306	1.372	1.407	1.504	1.251	17.07
103) TP	n-Butylbenzene		1.337	1.608	1.787	1.900	1.960	1.980	2.046	1.803	13.95
104) TP	1,2-Dichlorobe		0.958	1.097	1.032	1.121	1.152	1.149	1.189	1.100	7.26
105) TP	1,2,4,5-Tetram		1.181	1.492	1.577	1.735	1.855	1.904	2.048	1.684	17.38
106) TP	1,2-Dibromo-3-		0.011	0.046	0.048	0.059	0.066	0.065	0.065	*L	0.9984
107) TP	1,3,5-Trichlor		0.503	0.592	0.597	0.629	0.648	0.656	0.696	0.617	10.02
108) TP	Hexachlorobuta		0.155	0.194	0.195	0.207	0.211	0.215	0.233	0.201	12.06
109) TP	1,2,4-Trichlor		0.448	0.502	0.490	0.527	0.534	0.540	0.574	0.516	7.87
110) TP	Naphthalene		0.928	1.070	1.076	1.214	1.258	1.240	1.239	1.147	10.86
111) TP	1,2,3-Trichlor		0.376	0.432	0.396	0.434	0.444	0.445	0.459	0.427	6.89

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2306838**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA111**	**Ical Ref**	**: ICAL19665**
Calibration dates	**: 01/18/23 11:38 01/18/23 16:33**		

Calibration Files

L1 =V11230118A05.D L2 =V11230118A09.D L3 =V11230118A10.D L4 =V11230118A11.D L1.5=V11230118A07.D

L6 =V11230118A12.D L7 =V11230118A13.D L8 =V11230118A14.D L0 =V11230118A03.D

		Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------										
2)	TP	Dichlorodifluoromethane		0.264	0.161	0.188	0.241	0.249	0.272	0.262		0.234	18.19
3)	TP	Chloromethane	0.240	0.302	0.224	0.246	0.309	0.287	0.293	0.283		0.273	11.56
4)	TC	Vinyl chloride	0.263	0.402	0.273	0.293	0.381	0.365	0.368	0.347		0.337	15.67
5)	TP	Bromomethane	0.401	0.463	0.320	0.314	0.462	0.340	0.331	0.328		0.370	17.06
6)	TP	Chloroethane	0.107	0.175	0.133	0.146	0.151	0.187				0.150	19.13
7)	TP	Trichlorofluoromethane		0.351	0.231	0.265	0.314	0.355	0.396	0.414		*Q	0.9968
8)	TP	Ethyl ether	0.077	0.099	0.087	0.099	0.096	0.109	0.115	0.114		0.100	13.25
10)	TP	1,1-Dichloroethene	0.158	0.217	0.152	0.169	0.201	0.220	0.238	0.243		0.200	17.97
11)	TP	Carbon disulfide		0.490	0.334	0.362	0.526	0.452	0.480	0.482		0.446	15.98
12)	TP	Freon-113		0.231	0.150	0.168	0.207	0.235	0.262	0.261		*Q	0.9946
14)	TP	Acrolein			0.020	0.023		0.029	0.031	0.030		0.027	16.98
15)	TP	Methylene chloride	0.382	0.303	0.230	0.245	0.324	0.272	0.280	0.280		0.289	16.51
17)	TP	Acetone		0.077	0.054	0.061	0.087	0.068	0.066	0.062		0.068	16.03
18)	TP	trans-1,2-Dichloroethene	0.185	0.252	0.196	0.211	0.250	0.258	0.276	0.278		0.238	15.07
19)	TP	Methyl acetate		0.133	0.112	0.121	0.133	0.137	0.143	0.137		0.131	8.33
20)	TP	Methyl tert-butyl ether	0.553	0.553	0.472	0.531	0.551	0.596	0.623	0.615		0.562	8.77
21)	TP	tert-Butyl alcohol		0.022	0.019	0.022	0.018	0.025	0.025	0.024		0.022	11.99
22)	TP	Diisopropyl ether	0.665	0.743	0.627	0.714	0.727	0.806	0.838	0.824		0.743	10.22
23)	TC	1,1-Dichloroethane	0.376	0.451	0.363	0.396	0.444	0.461	0.481	0.475		0.431	10.67
24)	TP	Halothane		0.191	0.134	0.148	0.179	0.189	0.207	0.208		0.180	15.93
25)	TP	Acrylonitrile		0.056	0.050	0.057	0.040	0.065	0.067	0.064		0.057	16.55
26)	TP	Ethyl tert-butyl ether	0.668	0.702	0.621	0.701	0.704	0.798	0.835	0.831		0.732	10.81
27)	TP	Vinyl acetate		0.450	0.408	0.451	0.462	0.490	0.533	0.509		0.472	8.89
28)	TP	cis-1,2-Dichloroethene	0.230	0.271	0.228	0.252	0.274	0.292	0.305	0.307		0.270	11.52
29)	TP	2,2-Dichloropropane	0.297	0.381	0.276	0.300	0.378	0.380	0.406	0.402		0.353	14.83
30)	TP	Bromochloromethane	0.095	0.130	0.112	0.120	0.122	0.135	0.141	0.147		0.125	13.47
31)	TP	Cyclohexane		0.361	0.243	0.278	0.346	0.403	0.446	0.441		*Q	0.9935
32)	TC	Chloroform	0.387	0.469	0.389	0.415	0.467	0.489	0.504	0.512		0.454	11.05
33)	TP	Ethyl acetate		0.196	0.166	0.189		0.213	0.217	0.206		0.198	9.57
34)	TP	Carbon tetrachloride	0.237	0.339	0.229	0.256	0.322	0.341	0.379	0.382		0.310	19.91
35)	TP	Tetrahydrofuran		0.052	0.044	0.051		0.058	0.059	0.053		0.053	9.86
36)	S	Dibromofluoromethane	0.256	0.259	0.251	0.254	0.257	0.255	0.258	0.262	0.257	0.257	1.22
37)	TP	1,1,1-Trichloroethane	0.296	0.371	0.267	0.292	0.356	0.374	0.404	0.402	0.281	0.338	15.96
39)	TP	2-Butanone		0.091	0.074	0.085		0.097	0.094	0.088		0.088	9.28
40)	TP	1,1-Dichloropropene	0.227	0.307	0.219	0.251	0.309	0.328	0.353	0.350	0.201	*Q	0.9959

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2306838**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA111**	**Ical Ref**	**: ICAL19665**
Calibration dates	**: 01/18/23 11:38 01/18/23 16:33**		

Calibration Files

L1 =V11230118A05.D L2 =V11230118A09.D L3 =V11230118A10.D L4 =V11230118A11.D L1.5=V11230118A07.D

L6 =V11230118A12.D L7 =V11230118A13.D L8 =V11230118A14.D L0 =V11230118A03.D

		Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
41)	TP	Benzene	0.844	0.999	0.798	0.868	1.001	1.013	1.062	1.060	0.860	0.945	10.74
42)	TP	tert-Amyl methyl ether	0.628	0.643	0.563	0.648	0.641	0.731	0.759	0.746		0.670	10.20
43)	S	1,2-Dichloroethane-d4	0.260	0.255	0.252	0.251	0.253	0.252	0.254	0.255	0.257	0.254	1.10
44)	TP	1,2-Dichloroethane	0.320	0.328	0.274	0.303	0.332	0.333	0.340	0.332		0.320	6.78
47)	TP	Methyl cyclohexane	0.272	0.377	0.261	0.300	0.359	0.440	0.492	0.495		*Q	0.9941
48)	TP	Trichloroethene	0.189	0.261	0.198	0.220	0.257	0.275	0.296	0.302	0.183	0.242	18.92
50)	TP	Dibromomethane	0.130	0.149	0.130	0.146	0.152	0.163	0.170	0.167		0.151	10.12
51)	TC	1,2-Dichloropropane	0.194	0.257	0.217	0.240	0.250	0.270	0.280	0.274		0.248	12.00
53)	TP	2-Chloroethyl vinyl ether		0.088	0.076	0.091	0.080	0.110	0.118	0.114		0.097	17.67
54)	TP	Bromodichloromethane	0.325	0.355	0.299	0.333	0.362	0.377	0.392	0.388	0.288	0.347	10.88
57)	TP	1,4-Dioxane		0.002	0.002	0.002	0.001	0.002	0.002	0.002		*L	0.9993
58)	TP	cis-1,3-Dichloropropene	0.362	0.399	0.344	0.390	0.387	0.442	0.463	0.459	0.302	0.394	13.70
59)	I	Chlorobenzene-d5	----------ISTD----------										
60)	S	Toluene-d8	1.315	1.307	1.321	1.296	1.299	1.294	1.271	1.271	1.294	1.296	1.33
61)	TC	Toluene	0.669	0.790	0.642	0.693	0.809	0.836	0.868	0.876		0.773	11.92
62)	TP	4-Methyl-2-pentanone		0.076	0.075	0.090	0.056	0.104	0.106	0.103		*L	0.9975
63)	TP	Tetrachloroethene	0.214	0.308	0.236	0.254	0.305	0.337	0.361	0.373	0.222	*Q	0.9971
65)	TP	trans-1,3-Dichloropropene	0.431	0.474	0.415	0.466	0.458	0.530	0.539	0.533		0.481	10.01
67)	TP	Ethyl methacrylate	0.313	0.310	0.288	0.334	0.308	0.388	0.406	0.400		0.343	13.68
68)	TP	1,1,2-Trichloroethane	0.207	0.228	0.201	0.223	0.234	0.246	0.251	0.247		0.230	8.11
69)	TP	Chlorodibromomethane	0.303	0.326	0.284	0.313	0.325	0.359	0.370	0.368	0.265	0.324	11.41
70)	TP	1,3-Dichloropropane	0.434	0.465	0.406	0.447	0.464	0.505	0.504	0.490		0.464	7.50
71)	TP	1,2-Dibromoethane	0.219	0.270	0.236	0.258	0.264	0.294	0.302	0.294	0.189	0.258	14.69
72)	TP	2-Hexanone	0.136	0.167	0.141	0.168	0.150	0.196	0.194	0.182		0.167	13.82
73)	TP	Chlorobenzene	0.775	0.915	0.776	0.841	0.945	0.974	1.005	1.013	0.884	0.903	10.08
74)	TC	Ethylbenzene	1.221	1.434	1.191	1.304	1.501	1.629	1.691	1.680		1.456	13.90
75)	TP	1,1,1,2-Tetrachloroethane	0.279	0.319	0.278	0.306	0.308	0.356	0.365	0.366	0.208	0.309	16.49
76)	TP	p/m Xylene	0.471	0.536	0.462	0.511	0.537	0.633	0.666	0.688	0.488	0.555	15.48
77)	TP	o Xylene	0.454	0.517	0.457	0.500	0.520	0.616	0.647	0.659	0.455	0.536	15.50
78)	TP	Styrene	0.735	0.842	0.778	0.877	0.834	1.070	1.107	1.120	0.785	0.905	16.74
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------										
80)	TP	Bromoform	0.319	0.361	0.332	0.380	0.369	0.439	0.484	0.515		0.400	17.93
82)	TP	Isopropylbenzene	2.189	2.621	2.192	2.358	2.702	3.000	3.226	3.386		2.709	16.96
83)	S	4-Bromofluorobenzene	0.857	0.837	0.844	0.826	0.834	0.829	0.833	0.856	0.874	0.843	1.90
84)	TP	Bromobenzene	0.628	0.721	0.621	0.668	0.722	0.760	0.807	0.844		0.721	11.18
85)	TP	n-Propylbenzene	2.891	3.239	2.712	2.945	3.457	3.726	3.979	4.142		3.386	15.63

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2306838**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA111**	**Ical Ref**	**: ICAL19665**
Calibration dates	**: 01/18/23 11:38 01/18/23 16:33**		

Calibration Files

L1 =V11230118A05.D L2 =V11230118A09.D L3 =V11230118A10.D L4 =V11230118A11.D L1.5=V11230118A07.D

L6 =V11230118A12.D L7 =V11230118A13.D L8 =V11230118A14.D L0 =V11230118A03.D

	Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
86) TP	1,4-Dichlorobutane	0.793	0.830	0.692	0.770	0.828	0.870	0.895	0.905		0.823	8.58
87) TP	1,1,2,2-Tetrachloroethane	0.701	0.711	0.594	0.641	0.706	0.711	0.736	0.727	0.582	0.679	8.55
88) TP	4-Ethyltoluene	2.200	2.587	2.254	2.430	2.732	3.019	3.184	3.307		2.714	15.50
89) TP	2-Chlorotoluene	1.809	1.922	1.690	1.784	2.097	2.102	2.199	2.288		1.986	10.88
90) TP	1,3,5-Trimethylbenzene	1.939	2.129	1.926	2.086	2.212	2.564	2.737	2.886		2.310	16.00
91) TP	1,2,3-Trichloropropane	0.510	0.544	0.450	0.503	0.515	0.560	0.585	0.593		0.532	8.90
92) TP	trans-1,4-Dichloro-2-b...	0.123	0.190	0.161	0.184	0.157	0.200	0.204	0.201		0.177	16.00
93) TP	4-Chlorotoluene	1.830	1.972	1.756	1.939	2.087	2.246	2.301	2.385		2.064	11.08
94) TP	tert-Butylbenzene	1.660	1.882	1.551	1.704	1.883	2.168	2.332	2.422		1.950	16.55
97) TP	1,2,4-Trimethylbenzene	1.822	2.154	1.946	2.158	2.260	2.575	2.700	2.786		2.300	15.32
98) TP	sec-Butylbenzene	2.335	2.826	2.357	2.594	2.928	3.363	3.564	3.655		2.953	17.73
99) TP	p-Isopropyltoluene	2.017	2.303	2.014	2.231	2.480	2.888	3.056	3.169		2.520	18.28
100) TP	1,3-Dichlorobenzene	1.253	1.361	1.200	1.315	1.400	1.507	1.540	1.600		1.397	10.18
101) TP	1,4-Dichlorobenzene	1.355	1.448	1.224	1.330	1.480	1.511	1.546	1.585		1.435	8.52
102) TP	p-Diethylbenzene	1.191	1.401	1.240	1.367	1.414	1.736	1.846	1.910		1.513	18.35
103) TP	n-Butylbenzene	1.892	2.194	1.908	2.088	2.280	2.672	2.742	2.815		2.324	16.02
104) TP	1,2-Dichlorobenzene	1.223	1.295	1.134	1.263	1.325	1.420	1.454	1.462		1.322	8.86
105) TP	1,2,4,5-Tetramethylben...	1.947	2.065	1.984	2.246	2.207	2.687	2.841	2.929		2.363	16.75
106) TP	1,2-Dibromo-3-chloropr...		0.093	0.088	0.098	0.077	0.114	0.118	0.113		0.100	15.41
107) TP	1,3,5-Trichlorobenzene	0.855	0.893	0.829	0.900	1.000	1.051	1.081	1.112		0.965	11.34
108) TP	Hexachlorobutadiene	0.311	0.407	0.329	0.353	0.411	0.468	0.498	0.505		0.410	18.36
109) TP	1,2,4-Trichlorobenzene	0.780	0.785	0.730	0.792	0.829	0.906	0.922	0.924		0.834	8.95
110) TP	Naphthalene	1.895	1.658	1.499	1.722	1.753	1.963	1.986	1.862		1.792	9.24
111) TP	1,2,3-Trichlorobenzene	0.600	0.662	0.615	0.682	0.688	0.785	0.782	0.755		0.696	10.30

Response Factor Report VOA 101

Method Path : I:\VOLATILES\VOA101\2022\221216A\
Method File : V101_221216A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sat Dec 17 10:24:18 2022
Response Via : Initial Calibration

Calibration Files
L11 =V01221216A02.D L1 =V01221216A03.D L2 =V01221216A05.D L3 =V01221216A07.D L4 =V01221216A08.D
L6 =V01221216A09.D L8 =V01221216A10.D L10 =V01221216A11.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo...		0.179	0.217	0.227	0.228	0.238	0.246	0.252	0.227	10.75
3)	TP	Chloromethane		0.242	0.287	0.264	0.260	0.260	0.262	0.272	0.264	5.16
4)	TC	Vinyl chloride	0.319	0.319	0.391	0.385	0.382	0.383	0.383	0.390	0.369	8.39
5)	TP	Bromomethane		0.192	0.216	0.215	0.237	0.277	0.302	0.323	0.252	19.56
6)	TP	Chloroethane		0.299	0.327	0.304	0.303	0.298	0.293	0.282	0.301	4.57
7)	TP	Trichlorofluor...		0.505	0.616	0.629	0.638	0.672	0.701	0.718	0.640	11.01
8)	TP	Ethyl ether		0.153	0.163	0.143	0.154	0.151	0.153	0.151	0.152	3.97
10)	TC	1,1-Dichloroet...		0.309	0.352	0.350	0.355	0.369	0.382	0.395	0.359	7.72
11)	TP	Carbon disulfide		0.607	0.657	0.635	0.648	0.666	0.685	0.718	0.659	5.40
12)	TP	Freon-113		0.294	0.376	0.406	0.412	0.428	0.447	0.456	0.403	13.59
13)	TP	Iodomethane		0.264	0.340	0.285	0.315	0.395	0.313	0.432	0.335	17.91
14)	TP	Acrolein		0.016	0.023	0.021	0.024	0.025	0.026	0.025	0.023	14.99
15)	TP	Methylene chlo...		0.210	0.252	0.223	0.233	0.234	0.237	0.246	0.233	6.02
17)	TP	Acetone			0.059	0.048	0.047	0.042	0.042	0.045	0.047	13.02
18)	TP	trans-1,2-Dich...		0.193	0.252	0.230	0.238	0.250	0.259	0.273	0.242	10.68
19)	TP	Methyl acetate			0.109	0.097	0.108	0.111	0.113	0.116	0.109	6.11
20)	TP	Methyl tert-bu...		0.423	0.437	0.403	0.444	0.458	0.468	0.483	0.445	6.15
21)	TP	tert-Butyl alc...			0.008	0.008	0.010	0.011	0.012	0.012	0.010	17.34
22)	TP	Diisopropyl ether		0.714	0.818	0.762	0.836	0.864	0.884	0.921	0.829	8.62
23)	TP	1,1-Dichloroet...		0.379	0.470	0.437	0.449	0.462	0.471	0.488	0.451	7.94
24)	TP	Halothane		0.155	0.172	0.176	0.182	0.195	0.203	0.214	0.186	10.83
25)	TP	Acrylonitrile		0.033	0.043	0.041	0.049	0.050	0.051	0.052	0.046	15.27
26)	TP	Ethyl tert-but...		0.578	0.631	0.591	0.664	0.694	0.722	0.770	0.664	10.54
27)	TP	Vinyl acetate			0.368	0.351	0.444	0.502	0.530	0.553	0.458	18.56
28)	TP	cis-1,2-Dichlo...		0.232	0.272	0.255	0.268	0.276	0.284	0.293	0.269	7.55
29)	TP	2,2-Dichloropr...		0.287	0.334	0.330	0.352	0.372	0.382	0.392	0.350	10.36
30)	TP	Bromochloromet...		0.116	0.125	0.117	0.127	0.126	0.129	0.139	0.125	6.18
31)	TP	Cyclohexane			0.369	0.428	0.453	0.489	0.510	0.544	0.466	13.46
32)	TC	Chloroform		0.401	0.462	0.419	0.436	0.446	0.455	0.471	0.442	5.60
33)	TP	Ethyl acetate			0.136	0.135	0.158	0.164	0.168	0.171	0.155	10.23

Response Factor Report VOA 101

Method Path : I:\VOLATILES\VOA101\2022\221216A\
Method File : V101_221216A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sat Dec 17 10:24:18 2022
Response Via : Initial Calibration

Calibration Files
L11 =V01221216A02.D L1 =V01221216A03.D L2 =V01221216A05.D L3 =V01221216A07.D L4 =V01221216A08.D
L6 =V01221216A09.D L8 =V01221216A10.D L10 =V01221216A11.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP	Carbon tetrach...	0.335	0.223	0.272	0.295	0.328	0.369	0.393	0.414	0.329	19.48
35)	TP	Tetrahydrofuran			0.045	0.041	0.046	0.044	0.044	0.044	0.044	3.49
36)	S	Dibromofluorom...	0.275	0.274	0.277	0.274	0.278	0.283	0.283	0.289	0.279	1.92
37)	TP	1,1,1-Trichlor...		0.283	0.353	0.352	0.377	0.398	0.410	0.423	0.371	12.76
39)	TP	2-Butanone			0.051	0.055	0.067	0.067	0.066	0.067	0.062	11.87
40)	TP	1,1-Dichloropr...		0.247	0.306	0.317	0.338	0.353	0.361	0.374	0.328	13.15
41)	TP	Benzene	1.381	0.808	0.973	0.919	0.964	0.993	1.020	1.073	1.016	16.38
42)	TP	tert-Amyl meth...		0.468	0.504	0.486	0.550	0.569	0.589	0.616	0.540	10.27
43)	S	1,2-Dichloroet...	0.301	0.295	0.298	0.302	0.301	0.309	0.313	0.322	0.305	2.95
44)	TP	1,2-Dichloroet...		0.298	0.321	0.285	0.306	0.303	0.305	0.313	0.304	3.72
47)	TP	Methyl cyclohe...			0.324	0.389	0.423	0.454	0.479	0.532	0.433	16.70
48)	TP	Trichloroethene		0.209	0.270	0.260	0.275	0.288	0.306	0.342	0.278	14.80
50)	TP	Dibromomethane		0.124	0.135	0.126	0.138	0.138	0.140	0.145	0.135	5.63
51)	TC	1,2-Dichloropr...		0.211	0.243	0.233	0.251	0.256	0.259	0.268	0.246	7.74
54)	TP	Bromodichlorom...		0.250	0.290	0.277	0.313	0.325	0.334	0.348	0.305	11.35
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	6.59
58)	TP	cis-1,3-Dichlo...		0.262	0.319	0.322	0.372	0.388	0.402	0.419	0.355	15.72
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.268	1.267	1.277	1.256	1.214	1.193	1.157	1.120	1.219	4.78
61)	TC	Toluene		0.655	0.803	0.754	0.776	0.798	0.809	0.840	0.776	7.70
62)	TP	4-Methyl-2-pen...			0.058	0.056	0.063	0.068	0.068	0.069	0.064	8.69
63)	TP	Tetrachloroethene		0.256	0.322	0.325	0.337	0.354	0.363	0.384	0.334	12.26
65)	TP	trans-1,3-Dich...		0.266	0.340	0.334	0.391	0.407	0.410	0.427	0.368	15.58
67)	TP	Ethyl methacry...			0.188	0.202	0.255	0.275	0.283	0.296	0.250	17.93
68)	TP	1,1,2-Trichlor...		0.170	0.192	0.178	0.188	0.188	0.188	0.194	0.185#	4.59
69)	TP	Chlorodibromom...		0.176	0.226	0.224	0.263	0.284	0.288	0.294	0.251	17.34
70)	TP	1,3-Dichloropr...		0.354	0.394	0.366	0.390	0.385	0.377	0.376	0.377	3.75
71)	TP	1,2-Dibromoethane		0.187	0.216	0.202	0.224	0.225	0.225	0.223	0.215	6.82
72)	TP	2-Hexanone			0.097	0.104	0.123	0.130	0.126	0.125	0.117	11.51
73)	TP	Chlorobenzene		0.782	0.935	0.851	0.897	0.931	0.945	0.988	0.904	7.59
74)	TC	Ethylbenzene		1.225	1.482	1.471	1.561	1.640	1.674	1.756	1.544	11.29

Method Path : I:\VOLATILES\VOA101\2022\221216A\
Method File : V101_221216A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sat Dec 17 10:24:18 2022
Response Via : Initial Calibration

Calibration Files
L11 =V01221216A02.D L1 =V01221216A03.D L2 =V01221216A05.D L3 =V01221216A07.D L4 =V01221216A08.D
L6 =V01221216A09.D L8 =V01221216A10.D L10 =V01221216A11.D

		Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
75)	TP	1,1,1,2-Tetrac...		0.215	0.257	0.261	0.302	0.327	0.332	0.345	0.291	16.43	
76)	TP	p/m Xylene		0.421	0.566	0.572	0.634	0.691	0.732		0.603	18.29	
77)	TP	o Xylene		0.404	0.529	0.526	0.584	0.637	0.674	0.759	0.587	19.71	
78)	TP	Styrene		0.595	0.810	0.844	0.973	1.067	1.119		*L	0.9966	
79)	I	1,4-Dichlorobenzene-d4		----------ISTD----------									
80)	TP	Bromoform		0.153	0.191	0.212	0.278	0.324	0.336		*Q	0.9985	
82)	TP	Isopropylbenzene		2.140	2.665	2.720	2.822	2.977	3.034	3.168	2.789	12.09	
83)	S	4-Bromofluorob...	0.862	0.868	0.876	0.841	0.802	0.780	0.762	0.730	0.815	6.71	
84)	TP	Bromobenzene		0.563	0.671	0.621	0.654	0.673	0.675	0.689	0.649	6.76	
85)	TP	n-Propylbenzene		2.511	3.164	3.206	3.341	3.520	3.603	3.791	3.305	12.55	
86)	TP	1,4-Dichlorobu...		0.576	0.667	0.603	0.646	0.663	0.663	0.694	0.645	6.38	
87)	TP	1,1,2,2-Tetrac...		0.459	0.482	0.431	0.465	0.470	0.455	0.447	0.458	3.62	
88)	TP	4-Ethyltoluene		1.897	2.590	2.558	2.726	2.841	2.893	3.044	2.650	14.08	
89)	TP	2-Chlorotoluene		1.584	1.921	1.813	1.906	1.935	1.924	1.983	1.867	7.21	
90)	TP	1,3,5-Trimethy...		1.667	2.105	2.128	2.299	2.418	2.499	2.718	2.262	14.95	
91)	TP	1,2,3-Trichlor...		0.326	0.391	0.353	0.385	0.396	0.405	0.434	0.384	9.23	
92)	TP	trans-1,4-Dich...			0.124	0.110	0.126	0.129	0.125	0.124	0.123	5.52	
93)	TP	4-Chlorotoluene		1.528	1.883	1.817	1.919	1.965	1.989	2.061	1.880	9.24	
94)	TP	tert-Butylbenzene		1.430	1.693	1.808	1.910	2.000	2.046	2.152	1.863	13.09	
97)	TP	1,2,4-Trimethy...		1.609	2.045	2.077	2.222	2.329	2.368	2.508	2.165	13.60	
98)	TP	sec-Butylbenzene		1.912	2.478	2.590	2.759	2.885	2.940	3.071	2.662	14.59	
99)	TP	p-Isopropyltol...		1.524	1.986	2.175	2.334	2.462	2.528	2.682	2.242	17.45	
100)	TP	1,3-Dichlorobe...		0.989	1.209	1.169	1.263	1.298	1.309	1.357	1.228	9.99	
101)	TP	1,4-Dichlorobe...		1.158	1.291	1.177	1.257	1.295	1.308	1.364	1.264	5.82	
102)	TP	p-Diethylbenzene		0.877	1.099	1.190	1.306	1.372	1.407	1.504	1.251	17.07	
103)	TP	n-Butylbenzene		1.337	1.608	1.787	1.900	1.960	1.980	2.046	1.803	13.95	
104)	TP	1,2-Dichlorobe...		0.958	1.097	1.032	1.121	1.152	1.149	1.189	1.100	7.26	
105)	TP	1,2,4,5-Tetram...		1.181	1.492	1.577	1.735	1.855	1.904	2.048	1.684	17.38	
106)	TP	1,2-Dibromo-3-...		0.011	0.046	0.048	0.059	0.066	0.065	0.065	*L	0.9984	
107)	TP	1,3,5-Trichlor...		0.503	0.592	0.597	0.629	0.648	0.656	0.696	0.617	10.02	
108)	TP	Hexachlorobuta...		0.155	0.194	0.195	0.207	0.211	0.215	0.233	0.201	12.06	

Method Path : I:\VOLATILES\VOA101\2022\221216A\
Method File : V101_221216A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sat Dec 17 10:24:18 2022
Response Via : Initial Calibration

Calibration Files
L11 =V01221216A02.D L1 =V01221216A03.D L2 =V01221216A05.D L3 =V01221216A07.D L4 =V01221216A08.D
L6 =V01221216A09.D L8 =V01221216A10.D L10 =V01221216A11.D

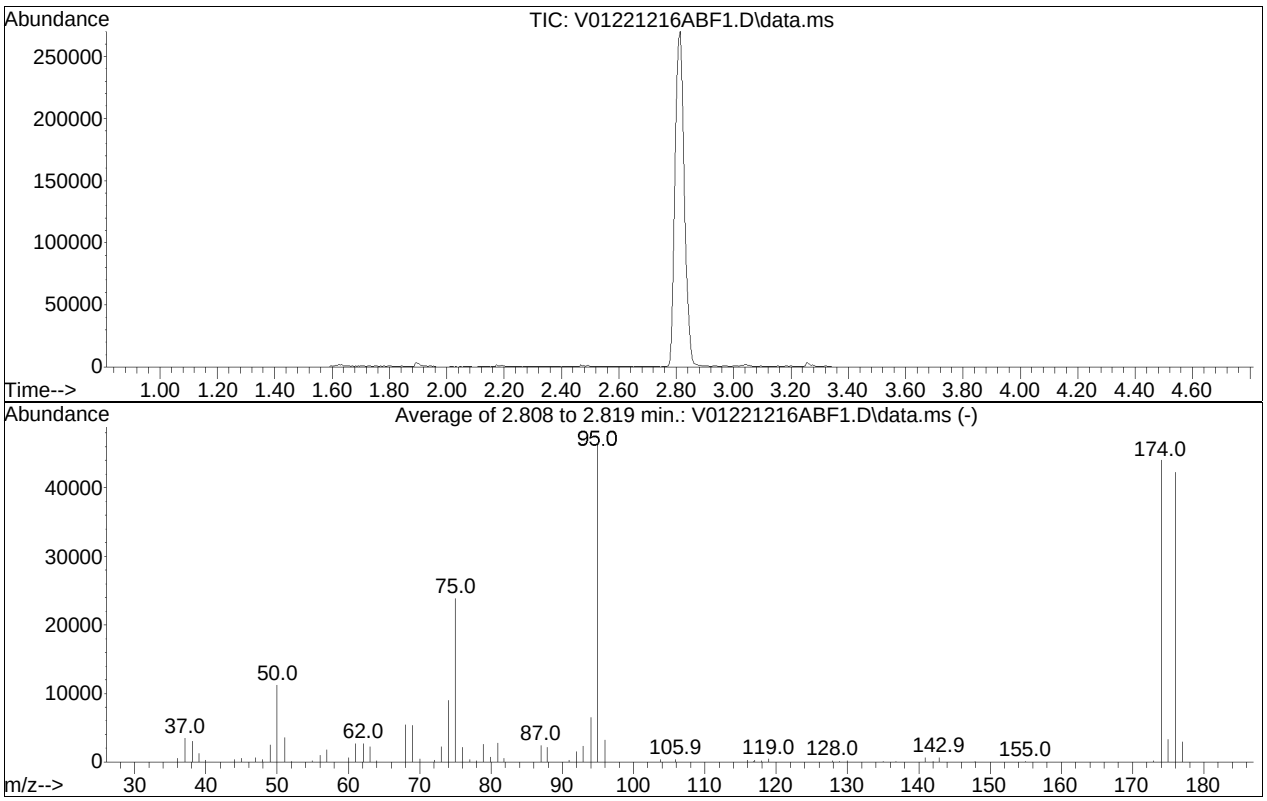
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
109)	TP 1,2,4-Trichlor...	0.448	0.502	0.490	0.527	0.534	0.540	0.574	0.516	7.87	
110)	TP Naphthalene	0.928	1.070	1.076	1.214	1.258	1.240	1.239	1.147	10.86	
111)	TP 1,2,3-Trichlor...	0.376	0.432	0.396	0.434	0.444	0.445	0.459	0.427	6.89	

(#) = Out of Range

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216ABF1.D
Acq On : 16 Dec 2022 12:02 pm
Operator : VOA101:PID
Sample : WG1724555-1
Misc : WG1724555
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sat Dec 17 10:04:09 2022



AutoFind: Scans 233, 234, 235; Background Corrected with Scan 224

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.2	11266	PASS
75	95	30	60	51.2	23864	PASS
95	95	100	100	100.0	46581	PASS
96	95	5	9	7.0	3240	PASS
173	174	0.00	2	0.4	176	PASS
174	95	50	100	94.5	44011	PASS
175	174	5	9	7.5	3318	PASS
176	174	95	101	96.0	42272	PASS
177	176	5	9	7.0	2949	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A02.D
Acq On : 16 Dec 2022 12:37 pm
Operator : VOA101:PID
Sample : I8260STD0.19PPB
Misc : WG1724555,ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 17 09:41:55 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:41:03 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-L11 - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.082	96	292790	10.000 ug/L	0.00
Standard Area 1 = 298001			Recovery =	98.25%	
59) Chlorobenzene-d5	9.615	117	225046	10.000 ug/L	0.00
Standard Area 1 = 233183			Recovery =	96.51%	
79) 1,4-Dichlorobenzene-d4	12.303	152	112875	10.000 ug/L	0.00
Standard Area 1 = 124640			Recovery =	90.56%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.276	113	80486	10.034 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.34%	
43) 1,2-Dichloroethane-d4	5.800	65	88014	9.961 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.61%	
60) Toluene-d8	7.772	98	285310	10.091 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.91%	
83) 4-Bromofluorobenzene	11.099	95	97251	10.241 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.41%	
Target Compounds					Qvalue
4) Vinyl chloride	1.966	62	1775	0.158 ug/L	96
34) Carbon tetrachloride	5.234	117	1866M1	0.216 ug/L	
41) Benzene	5.672	78	7680	0.285 ug/L #	88
48) Trichloroethene	6.266	95	2370	0.311 ug/L #	82

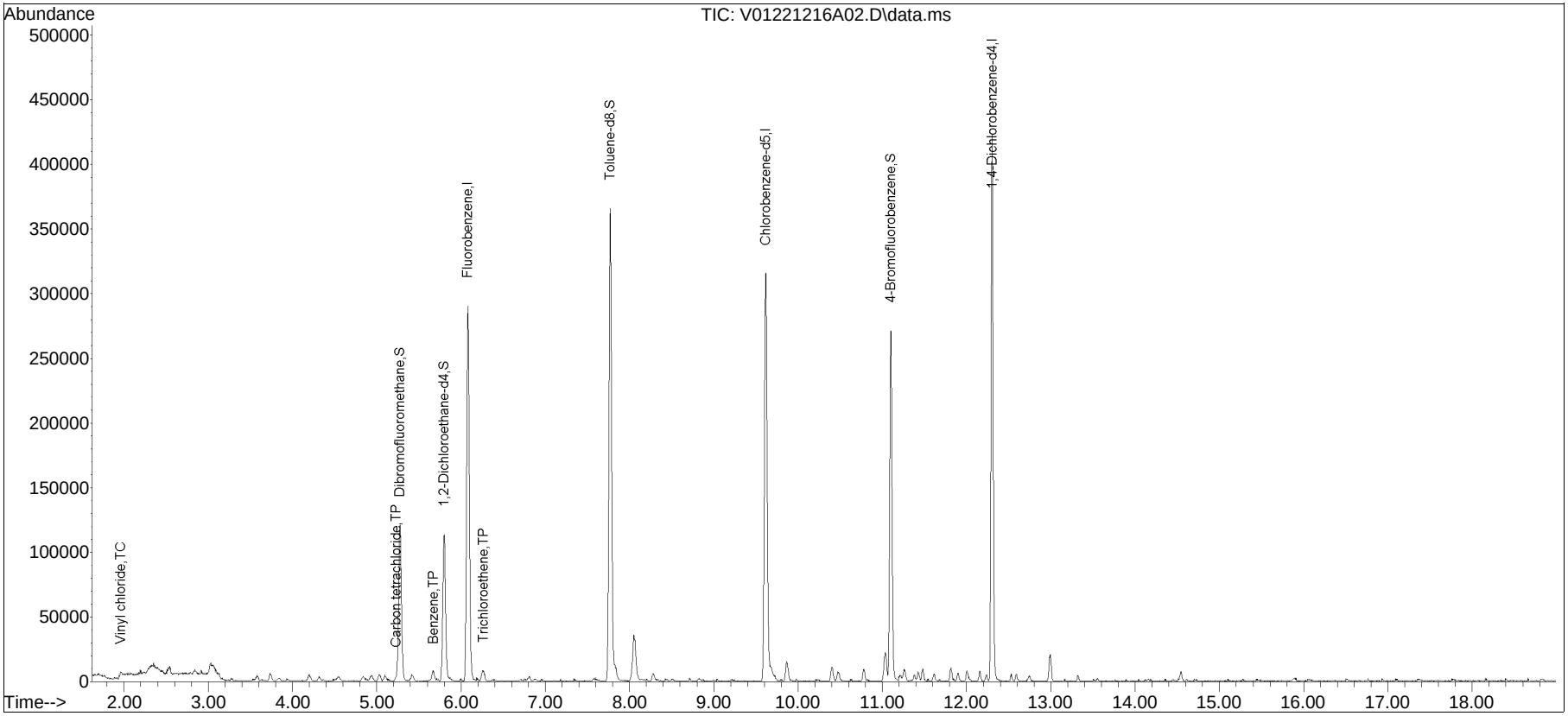
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A02.D
Acq On : 16 Dec 2022 12:37 pm
Operator : VOA101:PID
Sample : I8260STD0.19PPB
Misc : WG1724555,ICAL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 17 09:41:55 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:41:03 2022
Response via : Initial Calibration

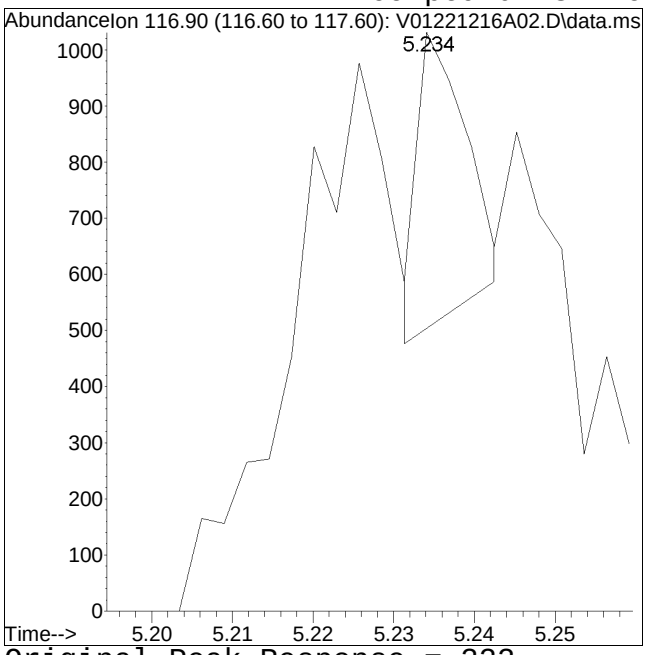
Sub List : 8260-L11 - Level 11 for 8260-LRR product221216A07.D•



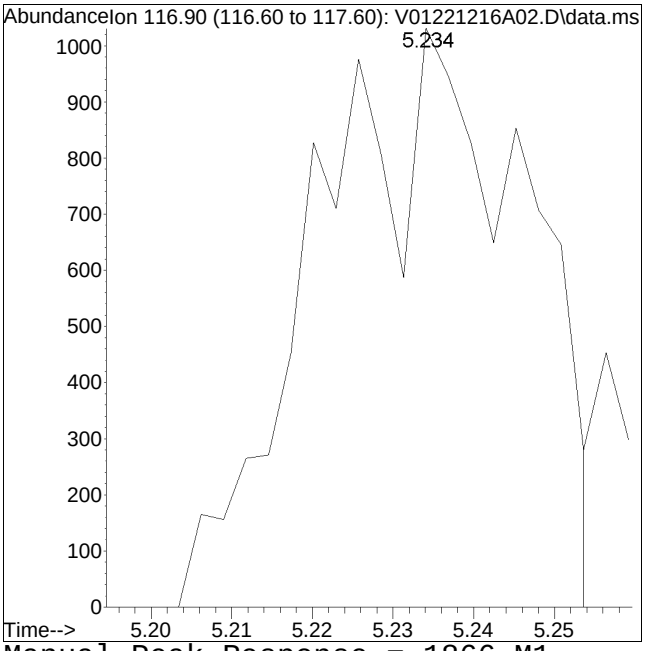
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A02.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 12:37 pm Instrument : VOA 101
Sample : I8260STD0.19PPB Quant Date : 12/17/2022 9:41 am

Compound #34: Carbon tetrachloride



Original Peak Response = 222



Manual Peak Response = 1866 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A03.D
Acq On : 16 Dec 2022 1:03 pm
Operator : VOA101:PID
Sample : I8260STD0.5PPB
Misc : WG1724555,ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 17 09:45:39 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:42:14 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.082	96	291755	10.000 ug/L	0.00
Standard Area 1 = 298001			Recovery =	97.90%	
59) Chlorobenzene-d5	9.615	117	223793	10.000 ug/L	0.00
Standard Area 1 = 233183			Recovery =	95.97%	
79) 1,4-Dichlorobenzene-d4	12.301	152	111617	10.000 ug/L	0.00
Standard Area 1 = 124640			Recovery =	89.55%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.276	113	79940	9.985 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.85%	
43) 1,2-Dichloroethane-d4	5.800	65	86205	9.810 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.10%	
60) Toluene-d8	7.772	98	283594	10.041 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.41%	
83) 4-Bromofluorobenzene	11.099	95	96937	10.200 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.00%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.701	85	2604	0.393 ug/L #	88
3) Chloromethane	1.888	50	3532	0.459 ug/L	97
4) Vinyl chloride	1.963	62	4654	0.453 ug/L	99
5) Bromomethane	2.284	94	2803	0.447 ug/L	99
6) Chloroethane	2.393	64	4360	0.492 ug/L	98
7) Trichlorofluoromethane	2.540	101	7368	0.401 ug/L	96
8) Ethyl ether	2.836	74	2236	0.537 ug/L #	85
10) 1,1-Dichloroethene	3.023	96	4507M1	0.442 ug/L	
11) Carbon disulfide	3.062	76	8849	0.477 ug/L	99
12) Freon-113	3.065	101	4293	0.363 ug/L	83
13) Iodomethane	3.162	142	3845	0.463 ug/L #	43
14) Acrolein	3.358	56	232M3	0.376 ug/L	
15) Methylene chloride	3.586	84	3064M3	0.472 ug/L	
17) Acetone	3.634	43	1332	0.947 ug/L #	78
18) trans-1,2-Dichloroethene	3.740	96	2811	0.419 ug/L #	64
19) Methyl acetate	0.000		0	N.D. d	
20) Methyl tert-butyl ether	3.843	73	6168	0.525 ug/L #	84
21) tert-Butyl alcohol	0.000		0	N.D. d	
22) Diisopropyl ether	4.191	45	10415	0.468 ug/L #	78
23) 1,1-Dichloroethane	4.320	63	5527	0.433 ug/L	90
24) Halothane	4.364	117	2266M1	0.440 ug/L	

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A03.D
Acq On : 16 Dec 2022 1:03 pm
Operator : VOA101:PID
Sample : I8260STD0.5PPB
Misc : WG1724555,ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 17 09:45:39 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:42:14 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
25) Acrylonitrile	4.367	53	483M1	0.402 ug/L		
26) Ethyl tert-butyl ether	4.537	59	8429M1	0.489 ug/L		
27) Vinyl acetate	0.000		0	N.D. d		
28) cis-1,2-Dichloroethene	4.835	96	3380M1	0.454 ug/L		
29) 2,2-Dichloropropane	4.936	77	4190M1	0.435 ug/L		
30) Bromochloromethane	5.031	128	1688M3	0.496 ug/L		
31) Cyclohexane	5.036	56	4090M1	0.328 ug/L		
32) Chloroform	5.100	83	5850	0.478 ug/L	#	77
33) Ethyl acetate	0.000		0	N.D. d		
34) Carbon tetrachloride	5.240	117	3255M3	0.354 ug/L		
35) Tetrahydrofuran	0.000		0	N.D. d		
37) 1,1,1-Trichloroethane	5.307	97	4128M3	0.402 ug/L		
39) 2-Butanone	0.000		0	N.D. d		
40) 1,1-Dichloropropene	5.429	75	3598M3	0.389 ug/L		
41) Benzene	5.667	78	11786	0.351 ug/L	#	86
42) tert-Amyl methyl ether	5.781	73	6823	0.481 ug/L	#	63
44) 1,2-Dichloroethane	5.873	62	4341	0.521 ug/L	#	51
47) Methyl cyclohexane	6.249	83	3841M1	0.339 ug/L		
48) Trichloroethene	6.269	95	3044	0.304 ug/L	#	48
50) Dibromomethane	6.707	93	1809M1	0.493 ug/L		
51) 1,2-Dichloropropane	6.807	63	3081M6	0.454 ug/L		
54) Bromodichloromethane	6.874	83	3640	0.450 ug/L	#	75
57) 1,4-Dioxane	7.083	88	3269M1	91.379 ug/L		
58) cis-1,3-Dichloropropene	7.568	75	3825	0.407 ug/L	#	84
61) Toluene	7.836	92	7334	0.435 ug/L		92
62) 4-Methyl-2-pentanone	0.000		0	N.D. d		
63) Tetrachloroethene	8.288	166	2863	0.393 ug/L	#	56
65) trans-1,3-Dichloropropene	8.316	75	2972M1	0.398 ug/L		
67) Ethyl methacrylate	8.514	69	1412	0.313 ug/L		80
68) 1,1,2-Trichloroethane	8.497	83	1897	0.475 ug/L	#	75
69) Chlorodibromomethane	8.712	129	1973M1	0.394 ug/L		
70) 1,3-Dichloropropane	8.826	76	3958	0.483 ug/L	#	67
71) 1,2-Dibromoethane	9.002	107	2094M3	0.463 ug/L		
72) 2-Hexanone	0.000		0	N.D. d		
73) Chlorobenzene	9.640	112	8748	0.459 ug/L	#	74
74) Ethylbenzene	9.679	91	13705	0.416 ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.721	131	2409M1	0.412 ug/L		
76) p/m Xylene	9.866	106	9431	0.737 ug/L		100
77) o Xylene	10.402	106	9032	0.768 ug/L		99
78) Styrene	10.469	104	13312	0.705 ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A03.D
Acq On : 16 Dec 2022 1:03 pm
Operator : VOA101:PID
Sample : I8260STD0.5PPB
Misc : WG1724555,ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 17 09:45:39 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:42:14 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80)	Bromoform	10.488	173	856M1	0.361	ug/L		
82)	Isopropylbenzene	10.775	105	11941M1	0.393	ug/L		
84)	Bromobenzene	11.216	156	3141	0.453	ug/L		96
85)	n-Propylbenzene	11.255	91	14011	0.392	ug/L		91
86)	1,4-Dichlorobutane	11.274	55	3212	0.477	ug/L	#	85
87)	1,1,2,2-Tetrachloroethane	11.341	83	2563	0.533	ug/L	#	25
88)	4-Ethyltoluene	11.378	105	10588	0.371	ug/L		94
89)	2-Chlorotoluene	11.425	91	8840	0.437	ug/L		95
90)	1,3,5-Trimethylbenzene	11.481	105	9302	0.392	ug/L		99
91)	1,2,3-Trichloropropane	11.478	75	1817M1	0.462	ug/L		
92)	trans-1,4-Dichloro-2-b...	0.000		0	N.D.	d		
93)	4-Chlorotoluene	11.609	91	8529	0.420	ug/L		97
94)	tert-Butylbenzene	11.813	119	7983	0.396	ug/L		95
97)	1,2,4-Trimethylbenzene	11.894	105	8980	0.387	ug/L	#	66
98)	sec-Butylbenzene	12.005	105	10669	0.369	ug/L		96
99)	p-Isopropyltoluene	12.153	119	8504	0.350	ug/L	#	89
100)	1,3-Dichlorobenzene	12.237	146	5522	0.423	ug/L	#	77
101)	1,4-Dichlorobenzene	12.312	146	6463	0.492	ug/L	#	68
102)	p-Diethylbenzene	12.529	119	4892	0.368	ug/L		94
103)	n-Butylbenzene	12.591	91	7464	0.374	ug/L		93
104)	1,2-Dichlorobenzene	12.744	146	5348	0.464	ug/L		96
105)	1,2,4,5-Tetramethylben...	13.319	119	6590	0.374	ug/L		97
106)	1,2-Dibromo-3-chloropr...	13.517	155	62	0.116	ug/L	#	1
107)	1,3,5-Trichlorobenzene	13.556	180	2805M3	0.421	ug/L		
108)	Hexachlorobutadiene	14.122	225	866M1	0.398	ug/L		
109)	1,2,4-Trichlorobenzene	14.152	180	2498	0.457	ug/L	#	85
110)	Naphthalene	14.442	128	5179	0.431	ug/L		100
111)	1,2,3-Trichlorobenzene	14.612	180	2101	0.475	ug/L	#	91

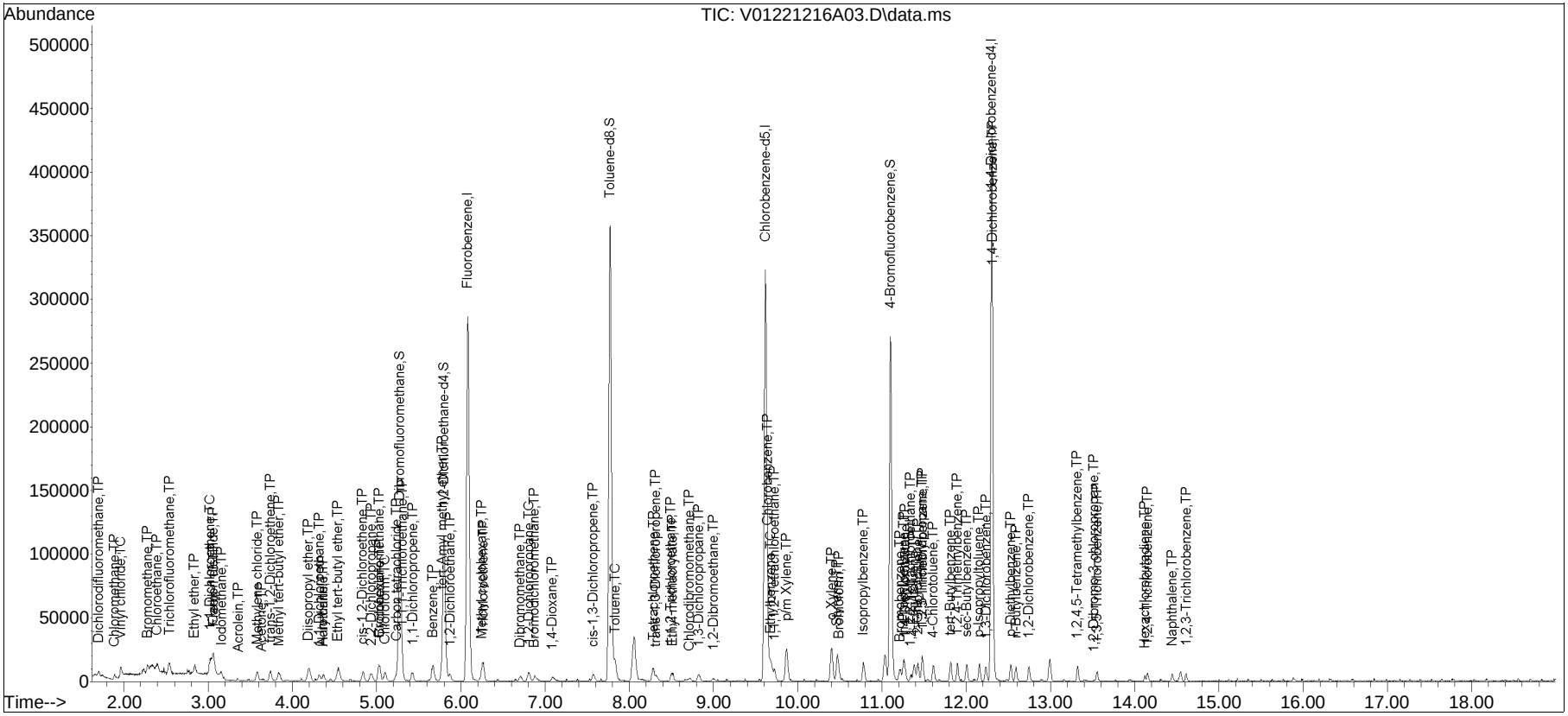
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A03.D
Acq On : 16 Dec 2022 1:03 pm
Operator : VOA101:PID
Sample : I8260STD0.5PPB
Misc : WG1724555,ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 17 09:45:39 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:42:14 2022
Response via : Initial Calibration

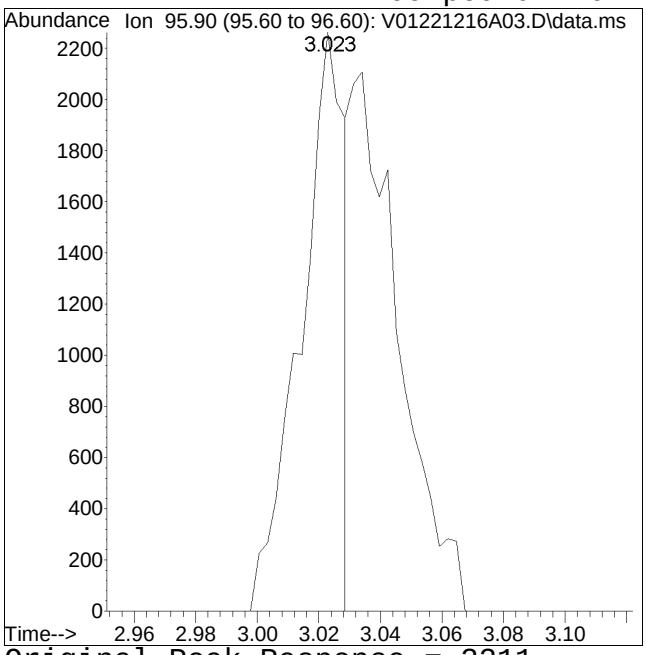
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVEV01221216A07.D•

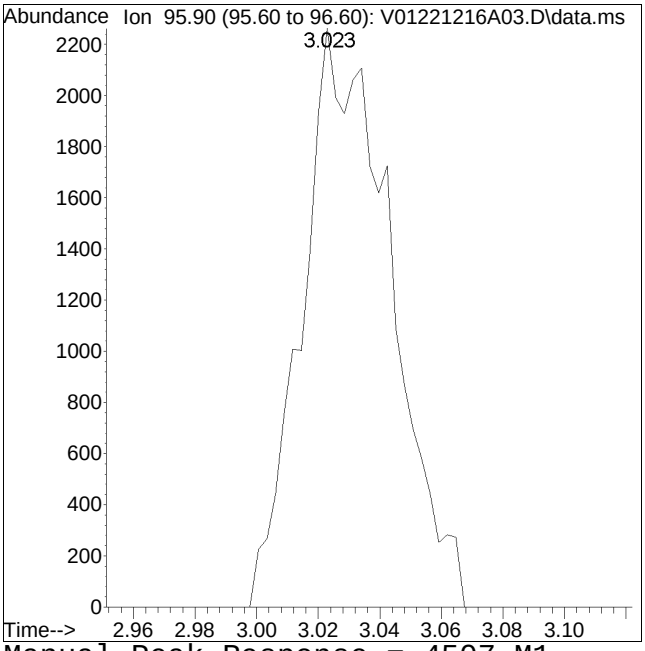


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #10: 1,1-Dichloroethene





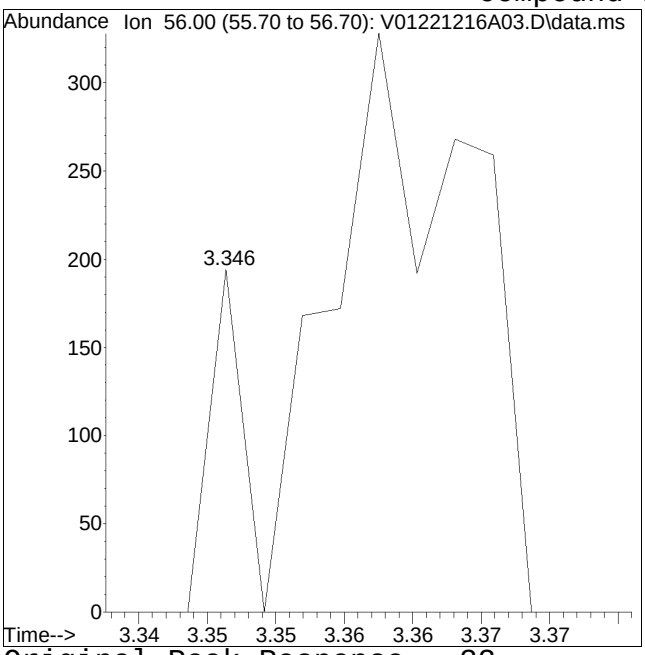
Original Peak Response = 2211 Manual Peak Response = 4507 M1

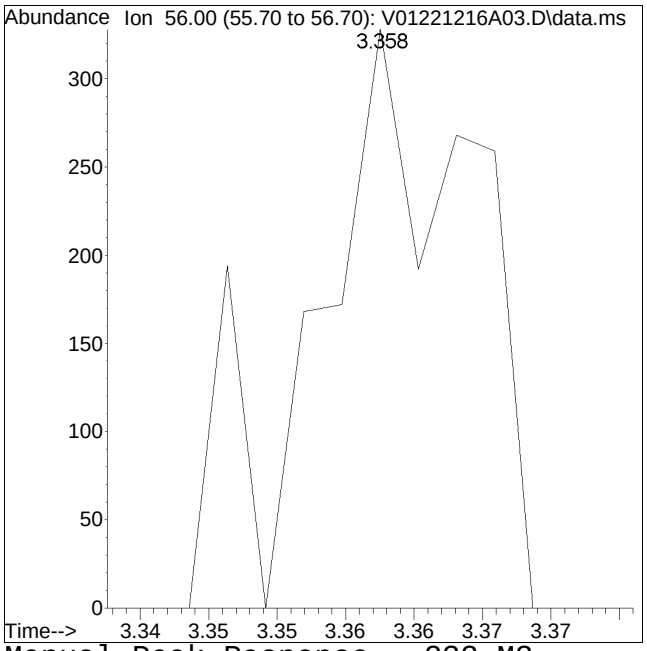
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #14: Acrolein





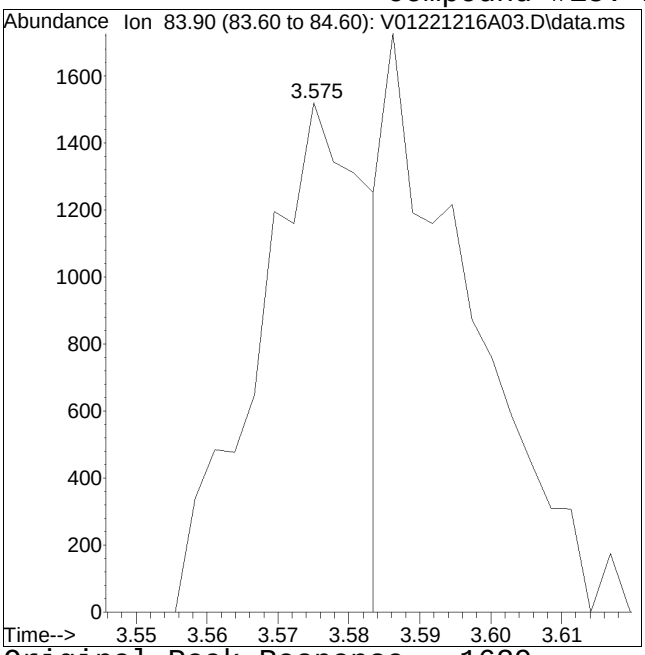
Original Peak Response = 32 Manual Peak Response = 232 M3

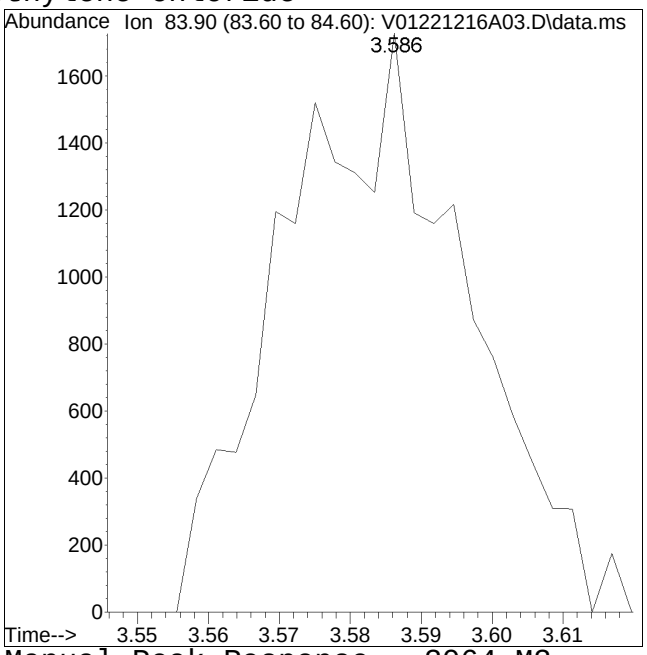
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #15: Methylene chloride





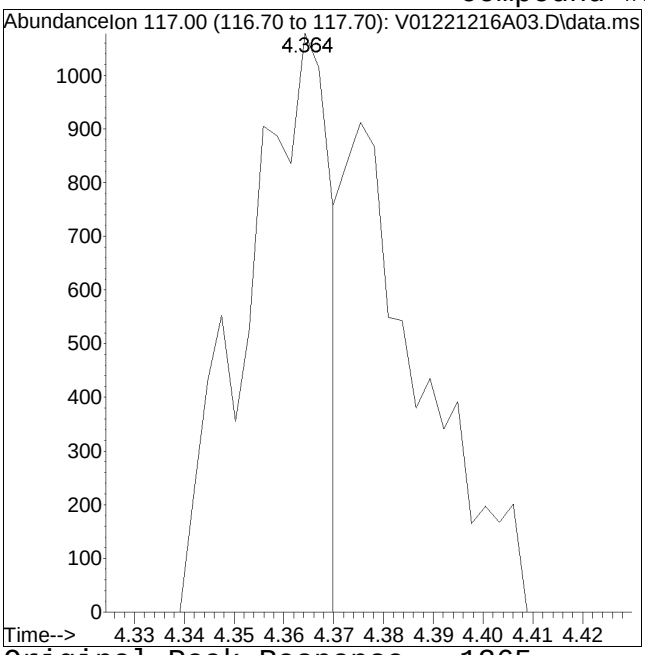
Original Peak Response = 1629 Manual Peak Response = 3064 M3

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.

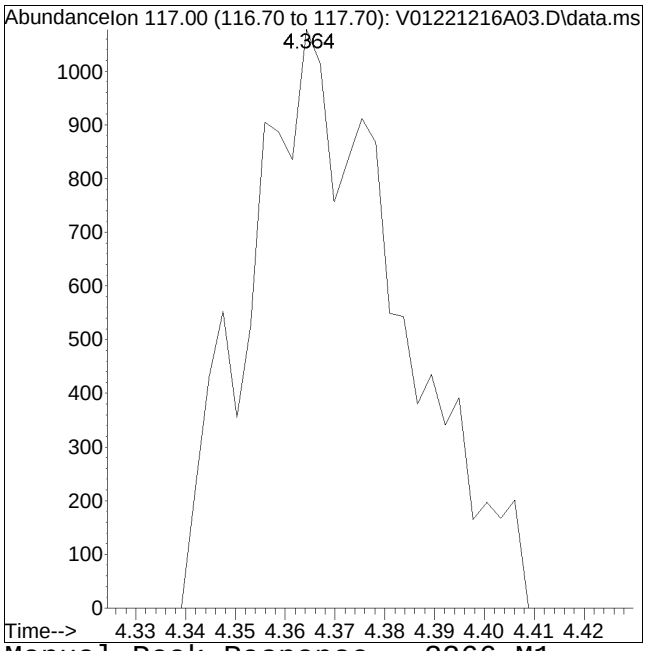
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #24: Halothane



Original Peak Response = 1265



Manual Peak Response = 2266 M1

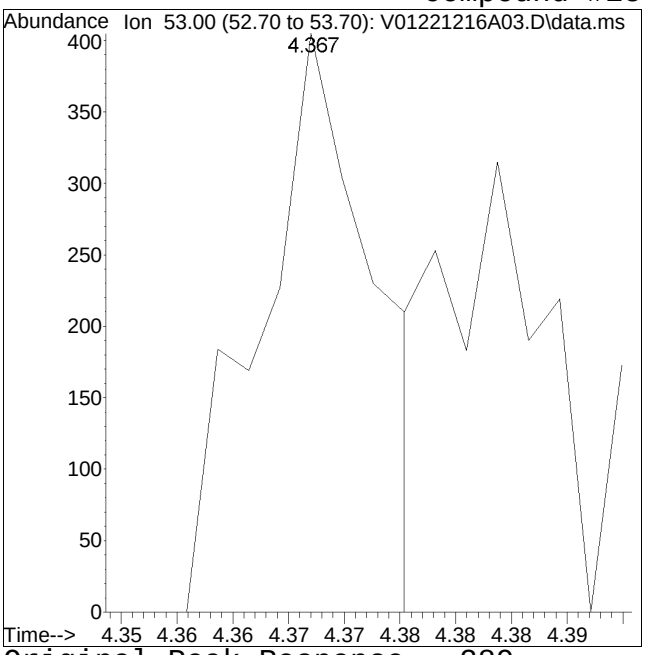
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

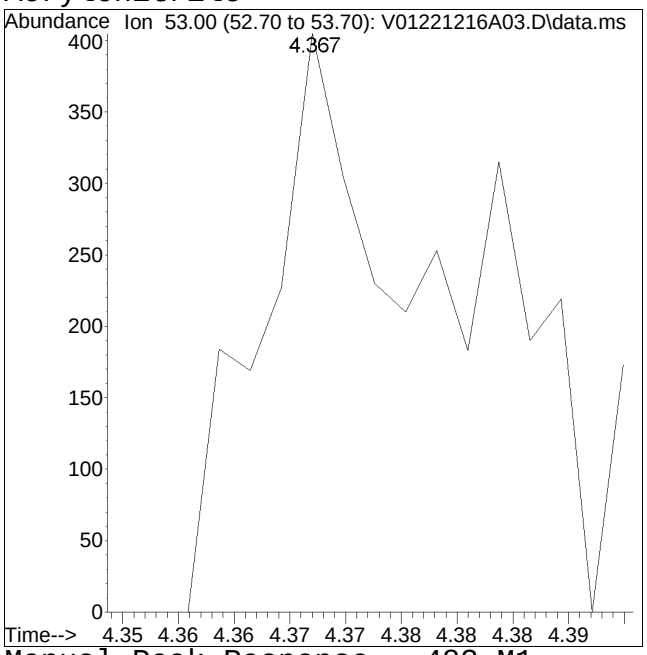
Data Path : I:\VOLATILES\VOA101\2022\2Q
Data File : V01221216A03.D
Date Inj'd : 12/16/2022 1:03 pm
Sample : I8260STD0.5PPB

Method : V101_221216A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 12/17/2022 9:42 am

Compound #25: Acrylonitrile



Original Peak Response = 289



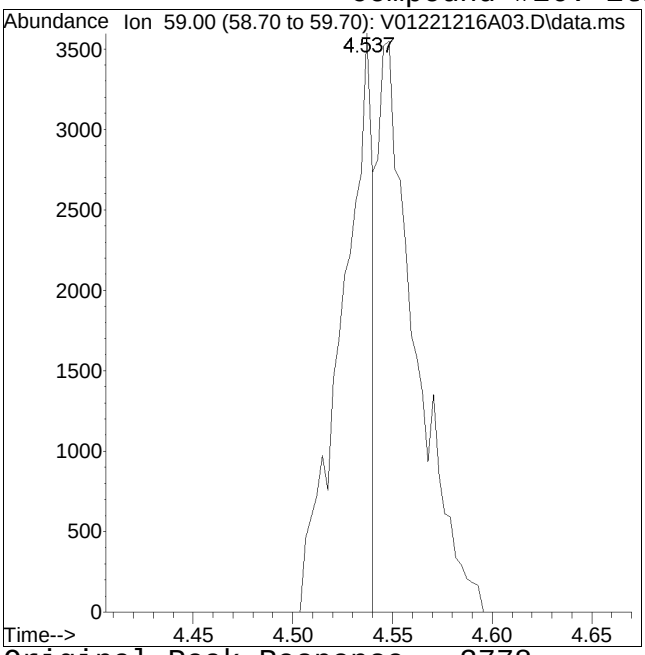
Manual Peak Response = 483 M1

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

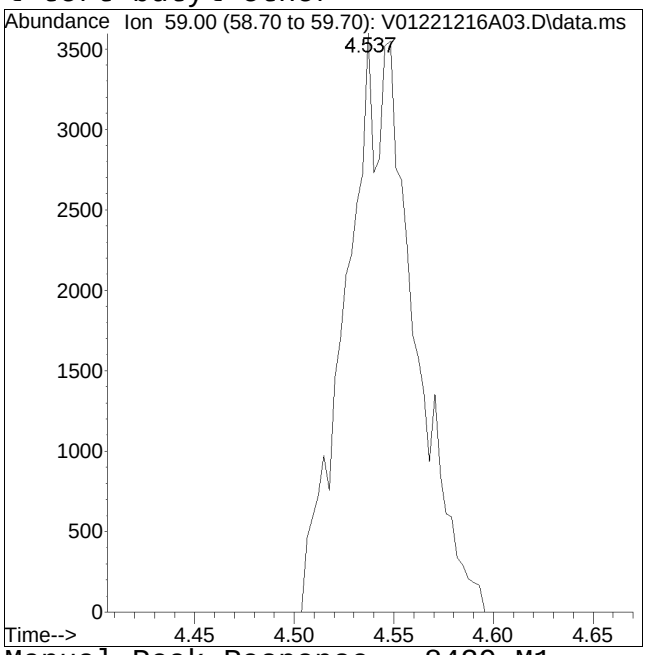
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 3778



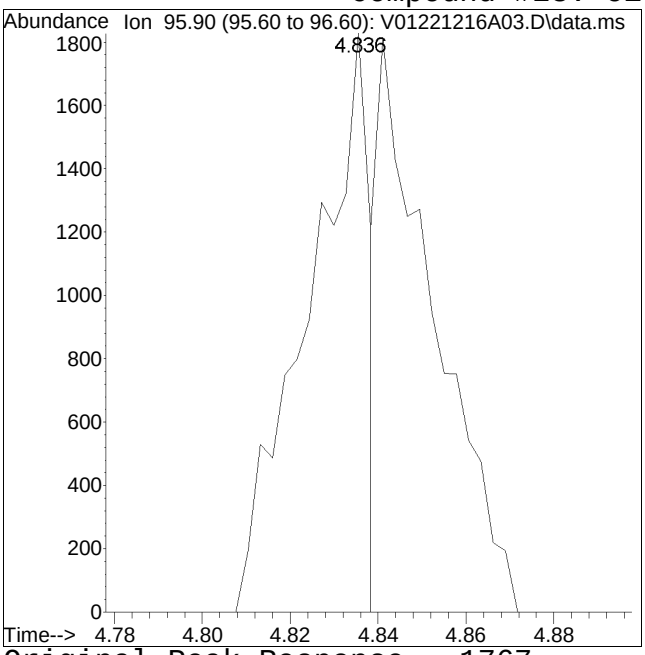
Manual Peak Response = 8429 M1

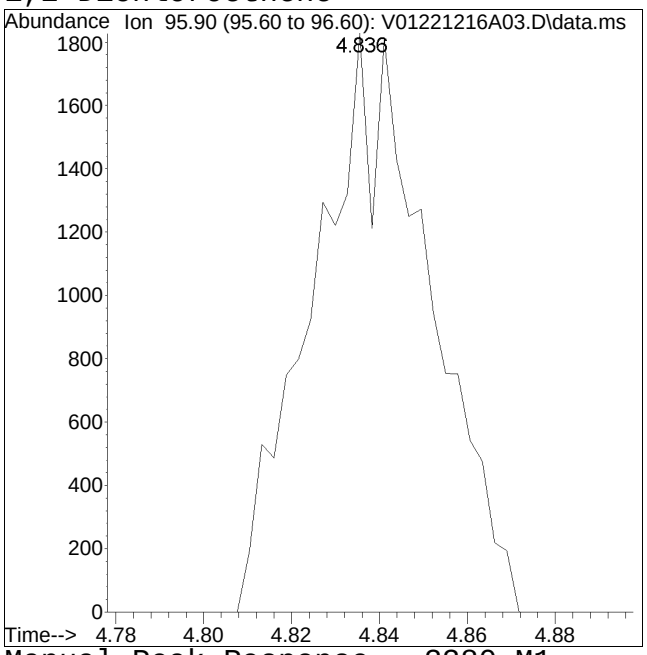
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #28: cis-1,2-Dichloroethene



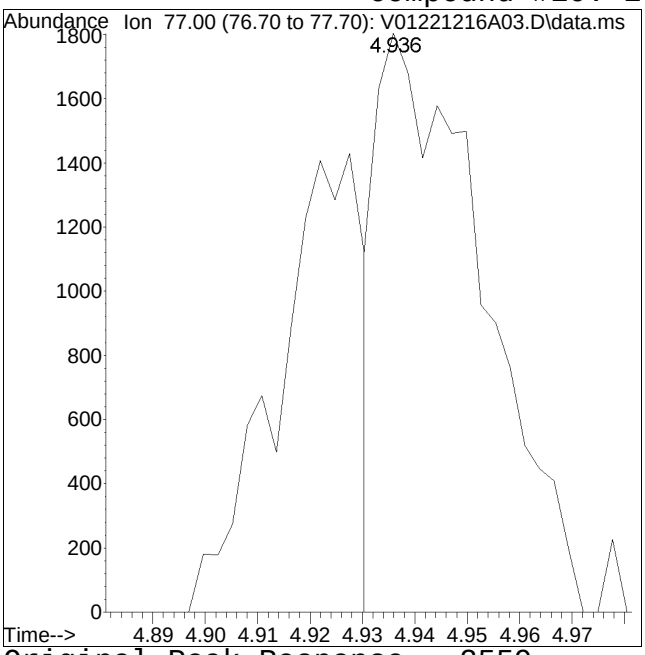


Original Peak Response = 1767 Manual Peak Response = 3380 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

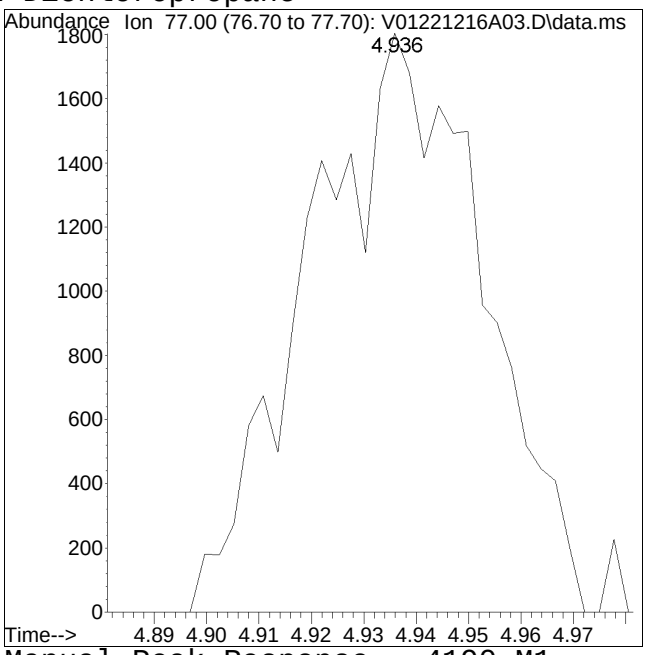
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #29: 2,2-Dichloropropane



Original Peak Response = 2559



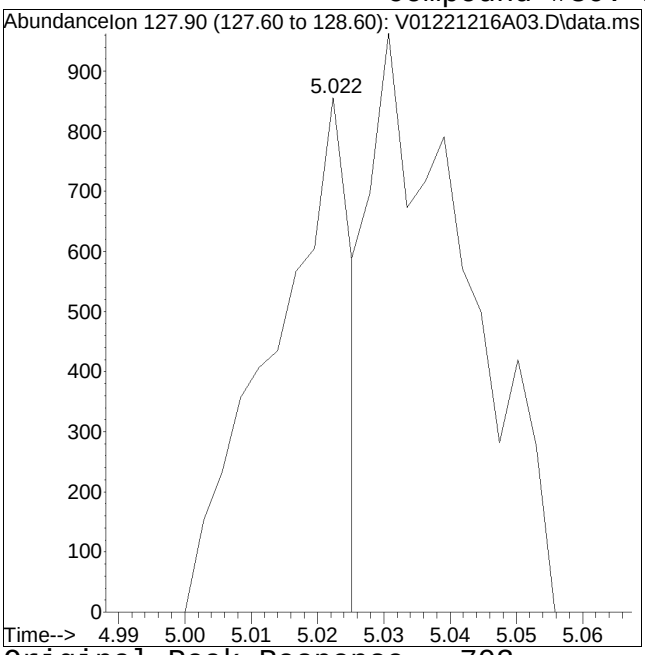
Manual Peak Response = 4190 M1

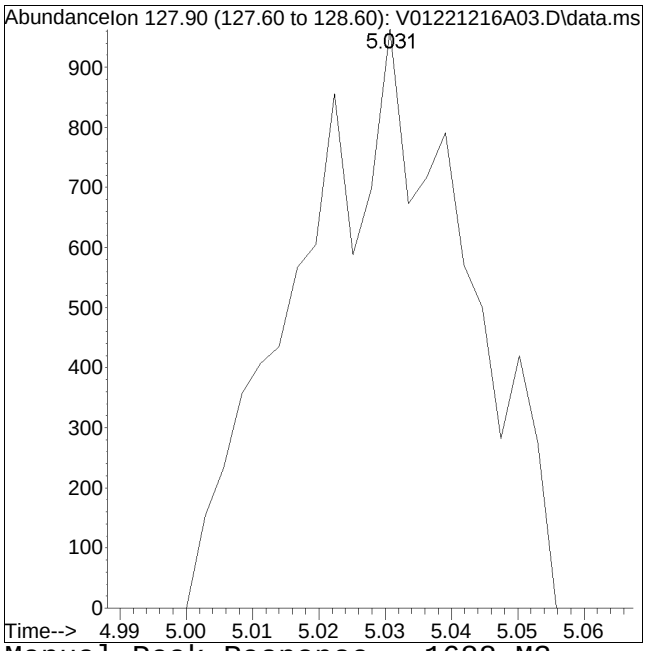
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #30: Bromochloromethane





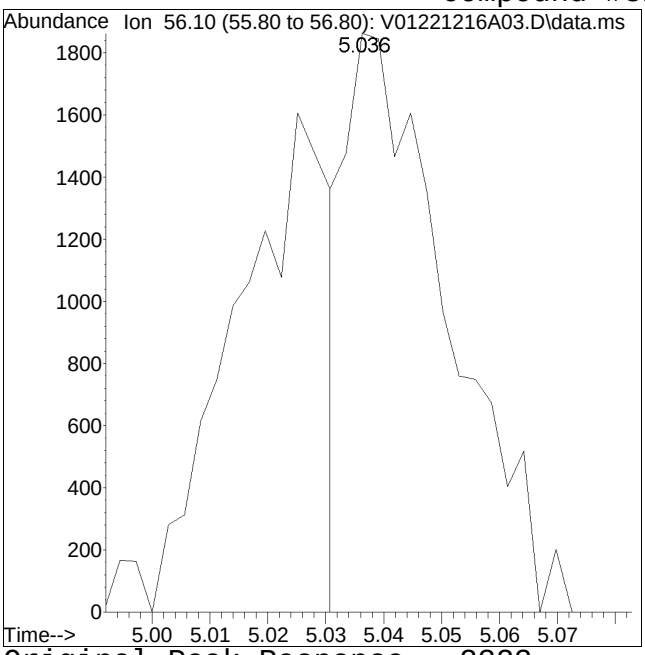
Original Peak Response = 703 Manual Peak Response = 1688 M3

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.

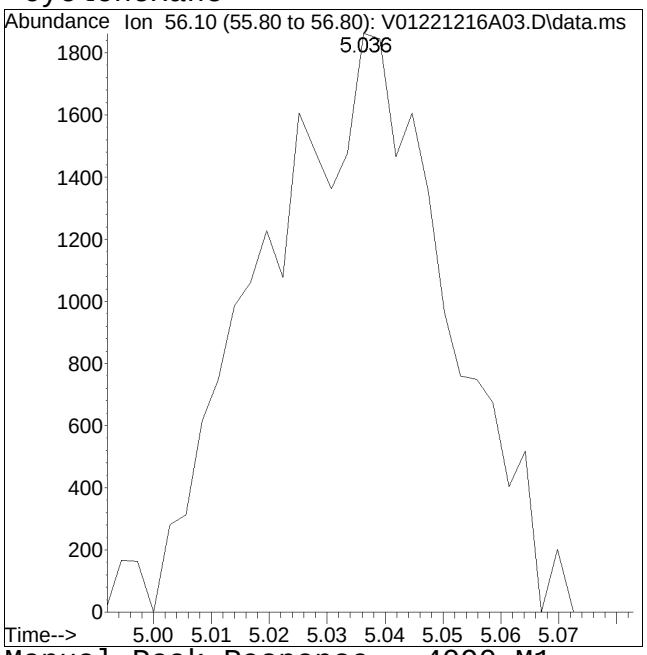
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #31: Cyclohexane



Original Peak Response = 2323



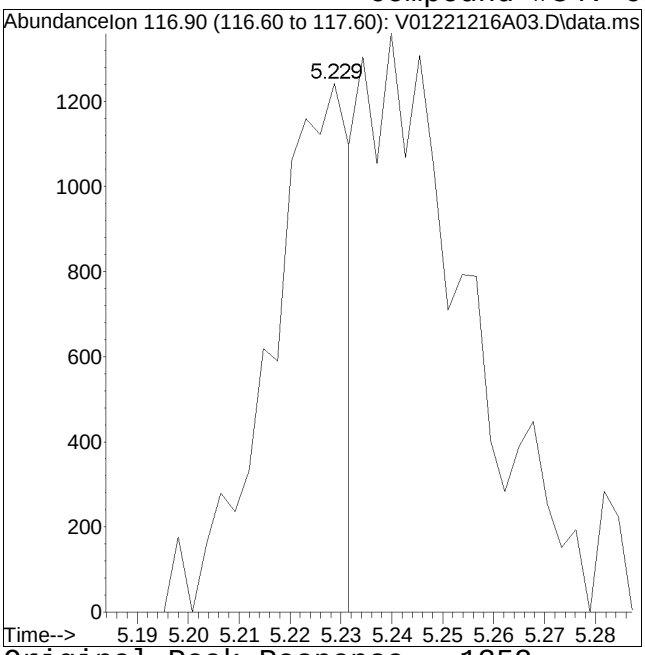
Manual Peak Response = 4090 M1

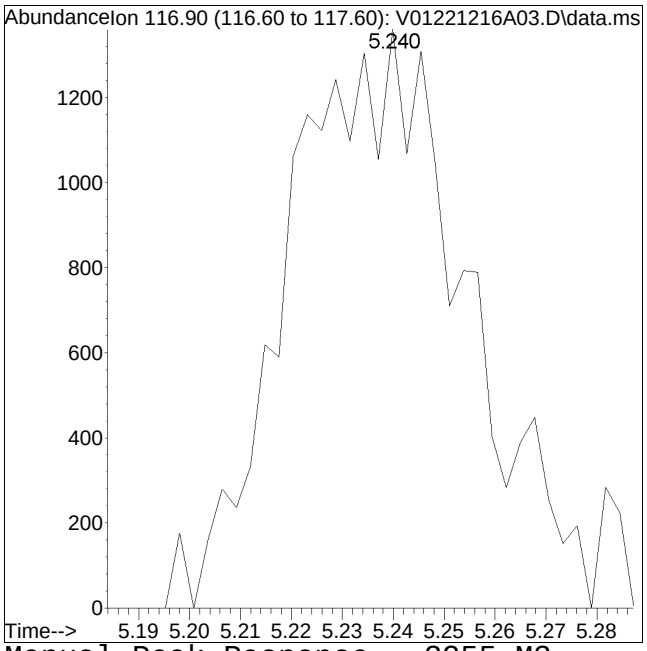
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #34: Carbon tetrachloride





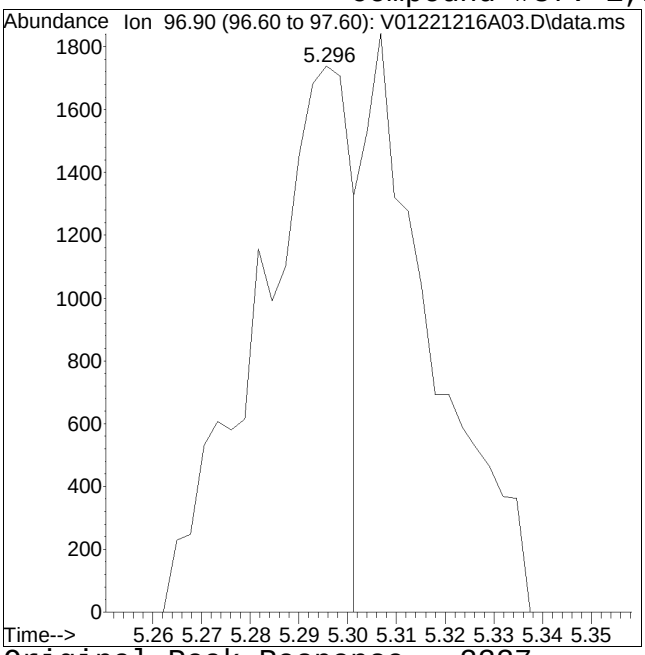
Original Peak Response = 1352 Manual Peak Response = 3255 M3

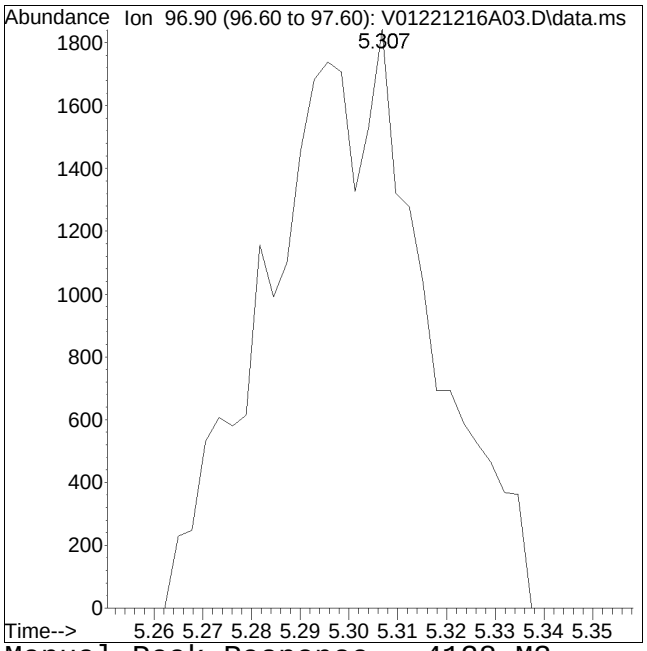
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #37: 1,1,1-Trichloroethane





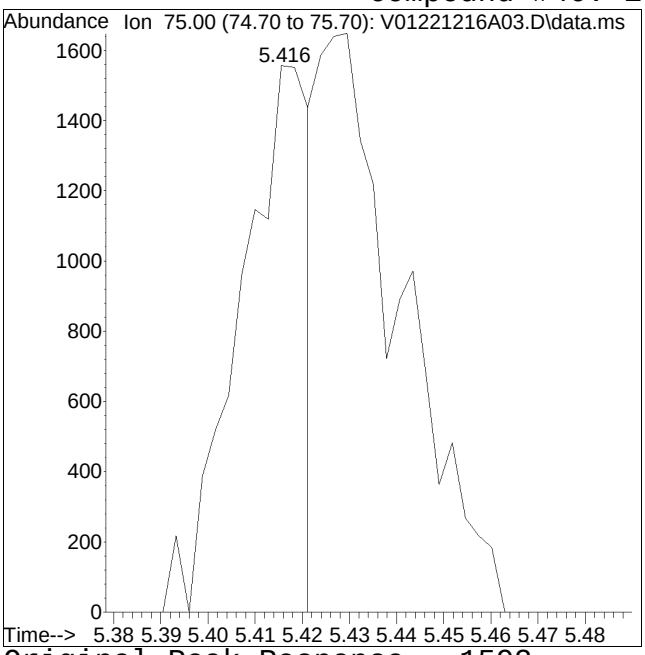
Original Peak Response = 2337 Manual Peak Response = 4128 M3

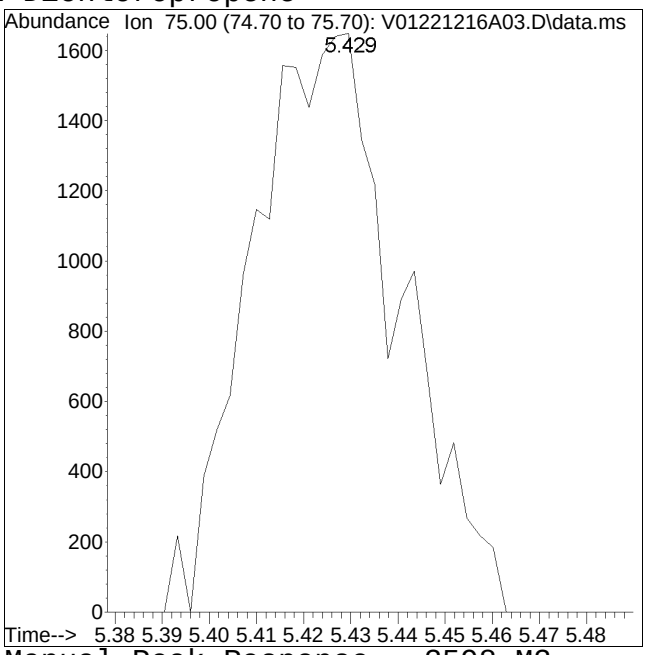
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #40: 1,1-Dichloropropene





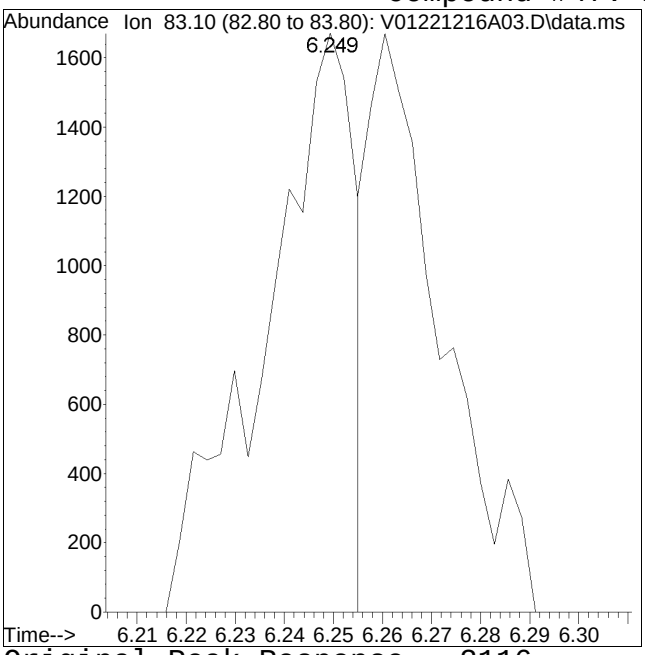
Original Peak Response = 1592 Manual Peak Response = 3598 M3

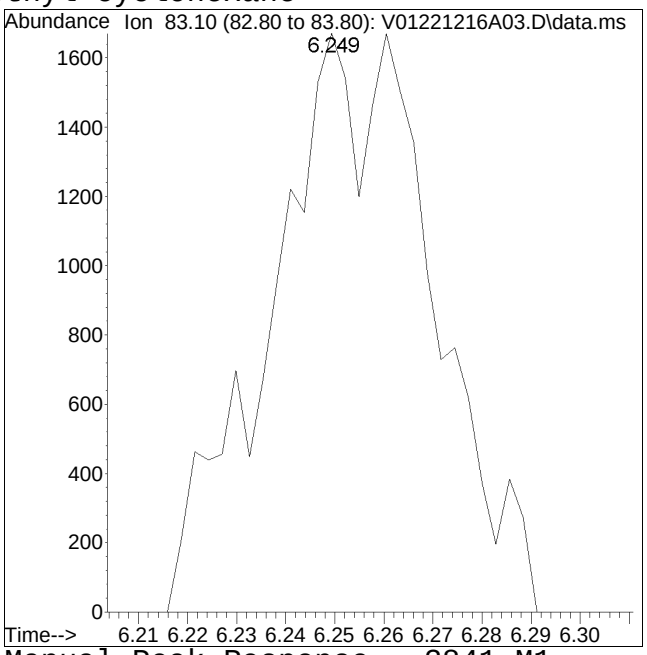
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #47: Methyl cyclohexane



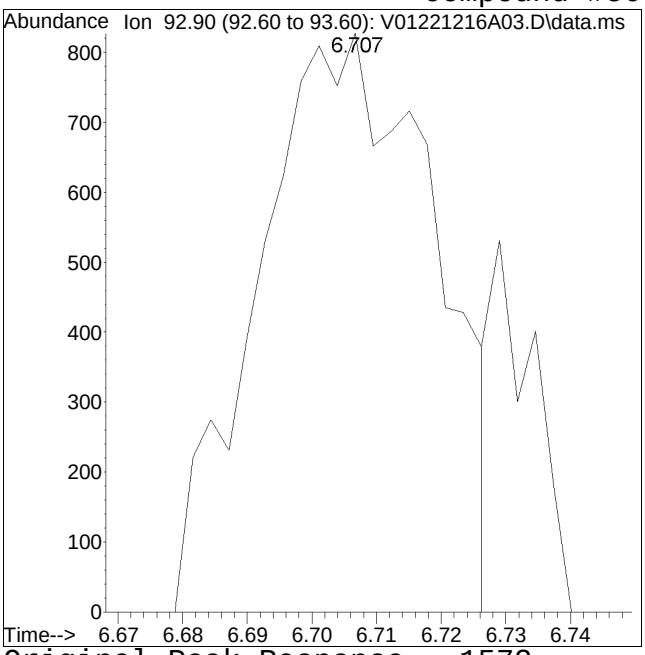


Original Peak Response = 2116 Manual Peak Response = 3841 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

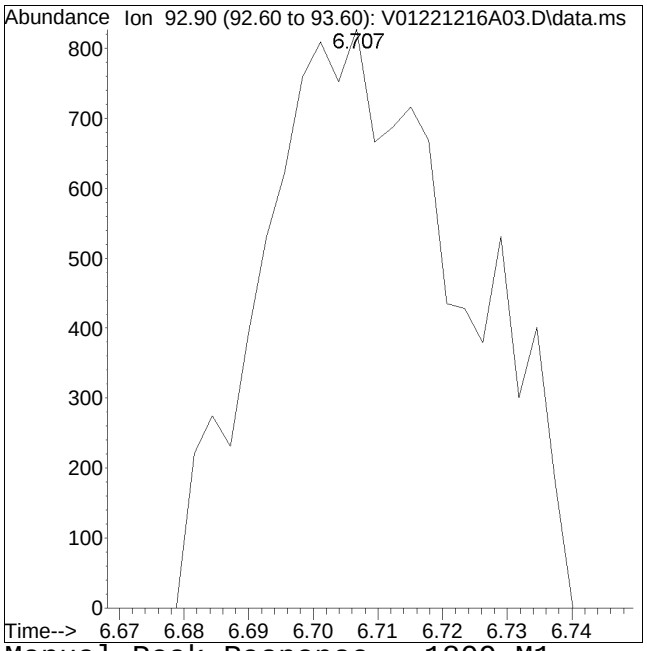
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #50: Dibromomethane



Original Peak Response = 1572



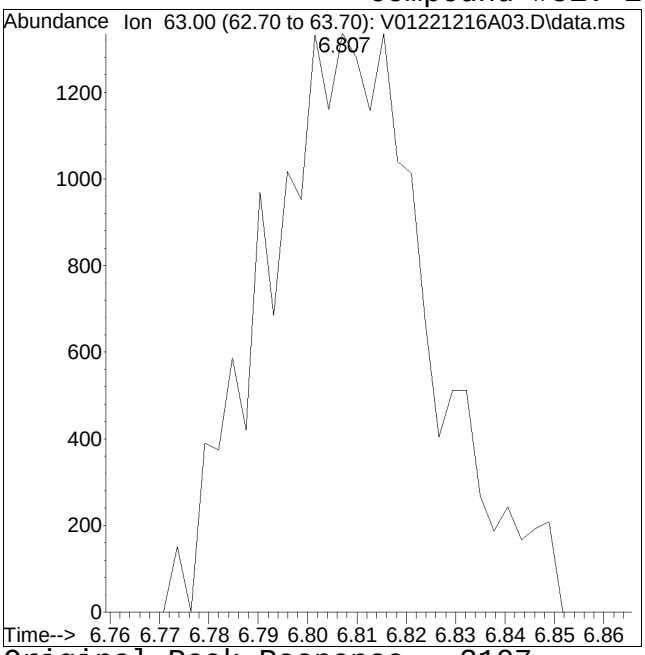
Manual Peak Response = 1809 M1

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

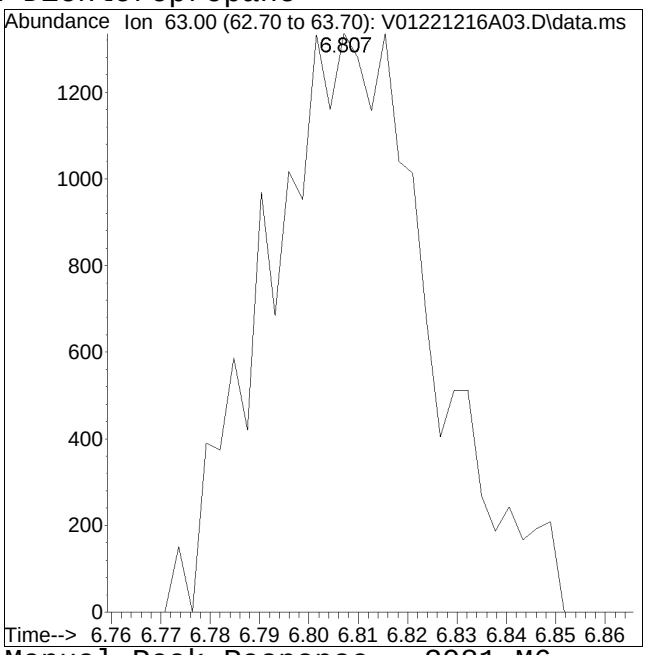
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #51: 1,2-Dichloropropane



Original Peak Response = 3107



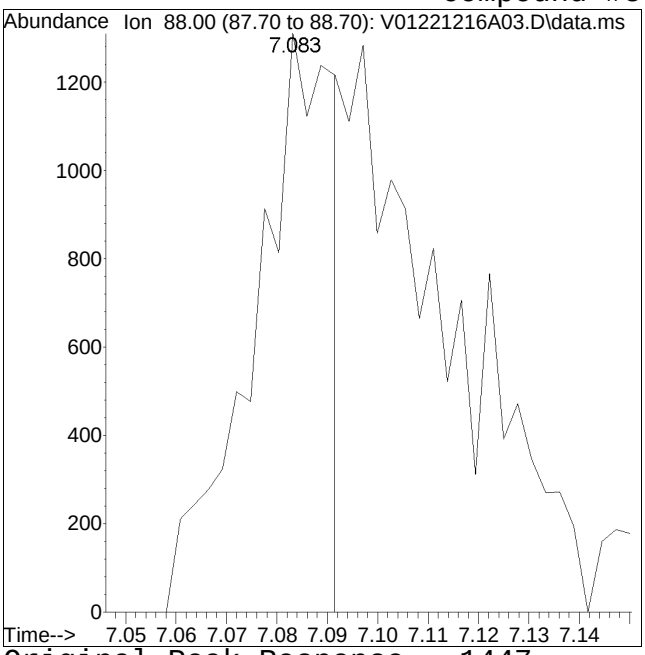
Manual Peak Response = 3081 M6

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

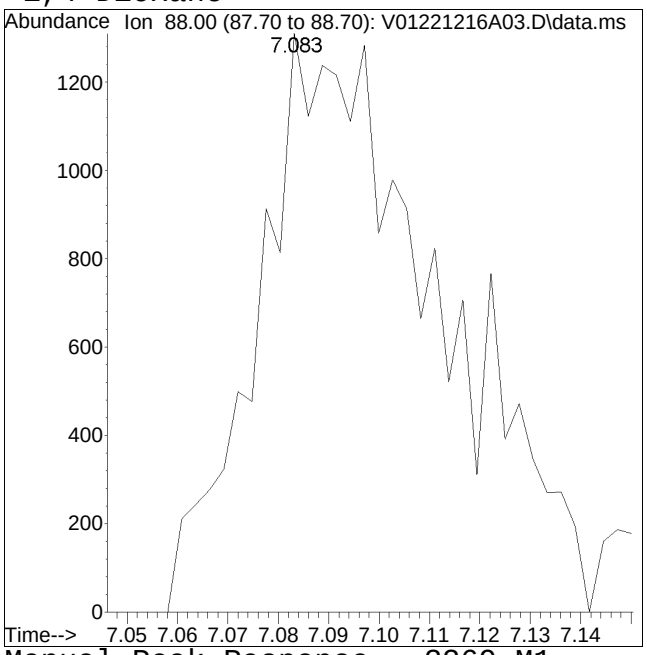
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #57: 1,4-Dioxane



Original Peak Response = 1447



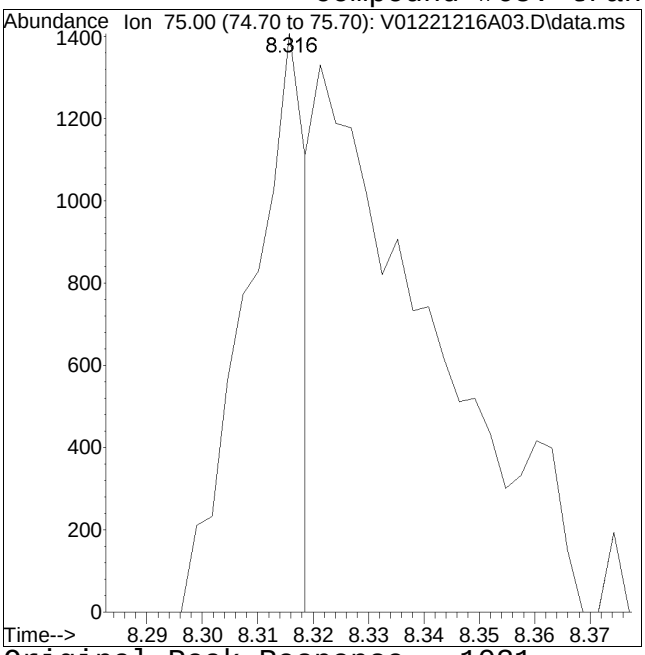
Manual Peak Response = 3269 M1

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

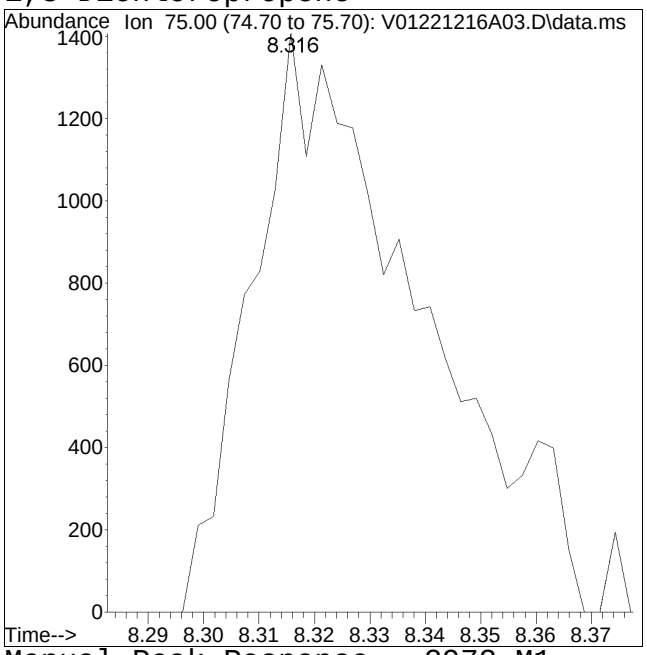
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #65: trans-1,3-Dichloropropene



Original Peak Response = 1031



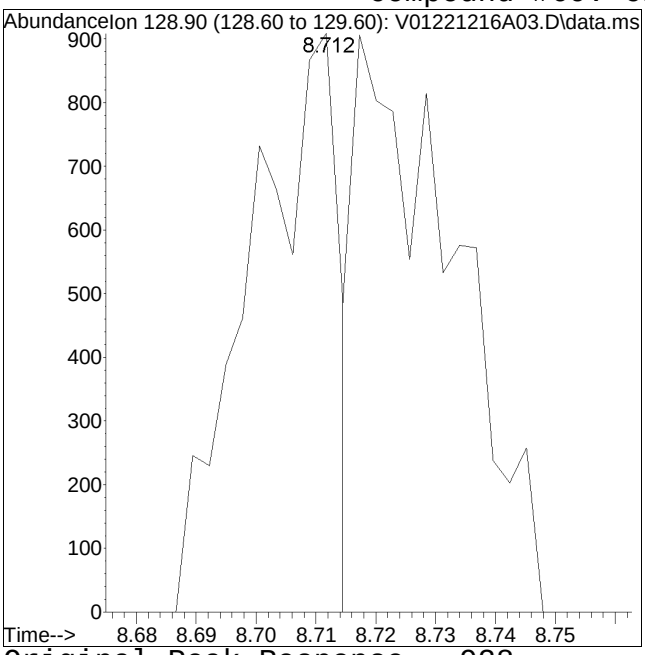
Manual Peak Response = 2972 M1

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

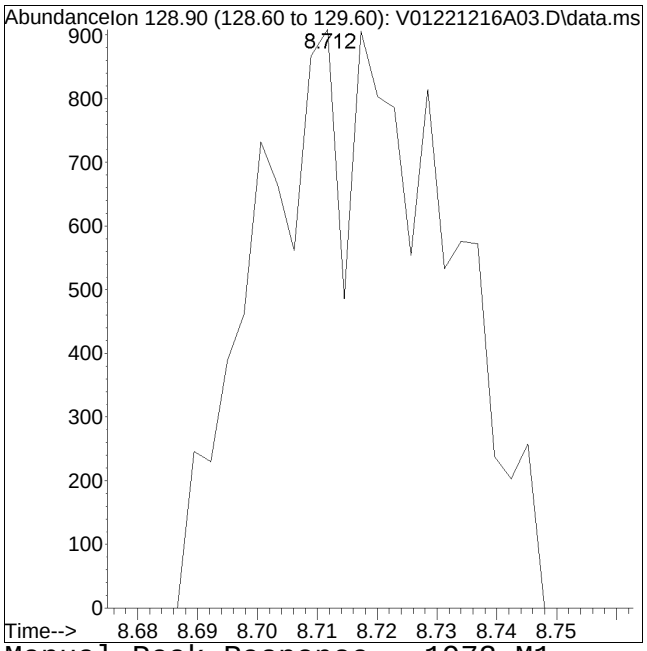
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #69: Chlorodibromomethane



Original Peak Response = 928



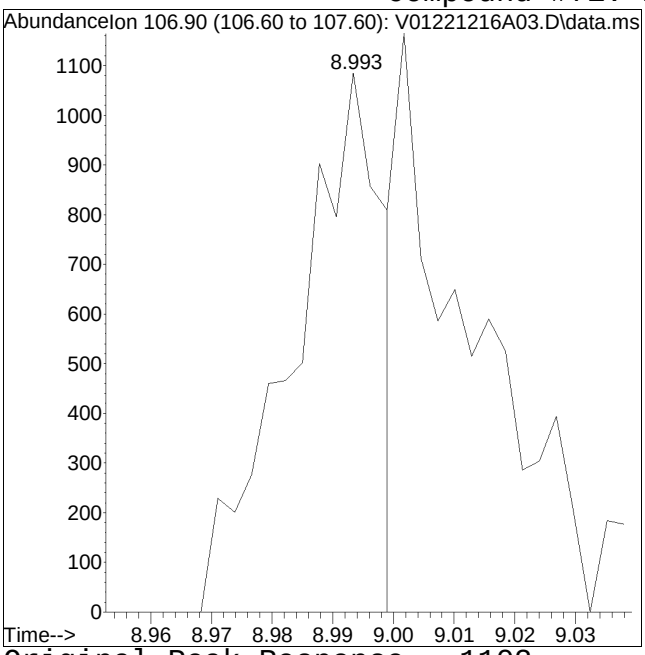
Manual Peak Response = 1973 M1

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

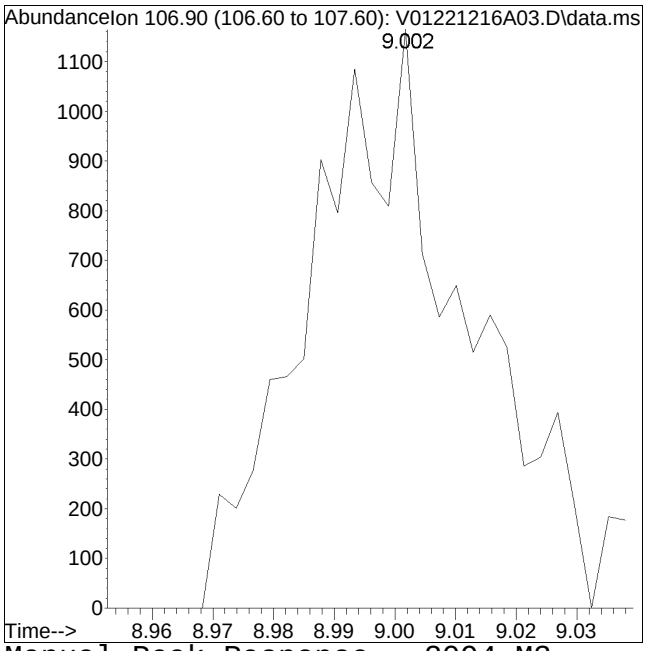
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #71: 1,2-Dibromoethane



Original Peak Response = 1102



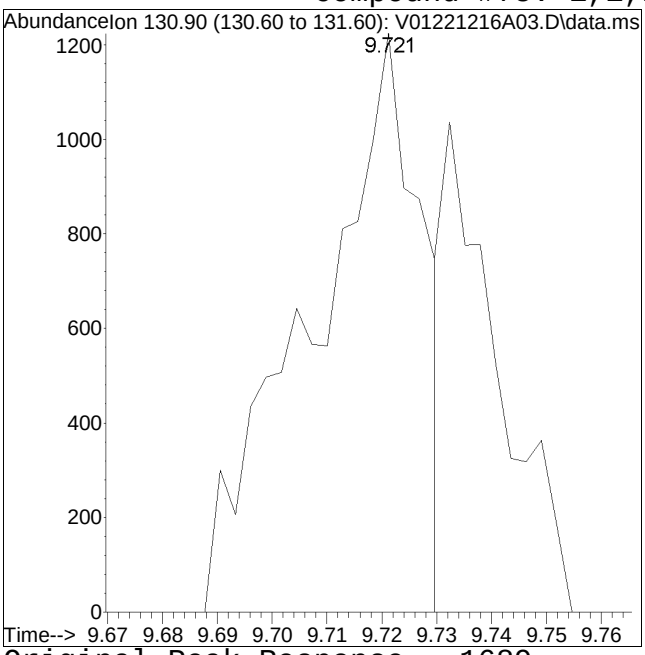
Manual Peak Response = 2094 M3

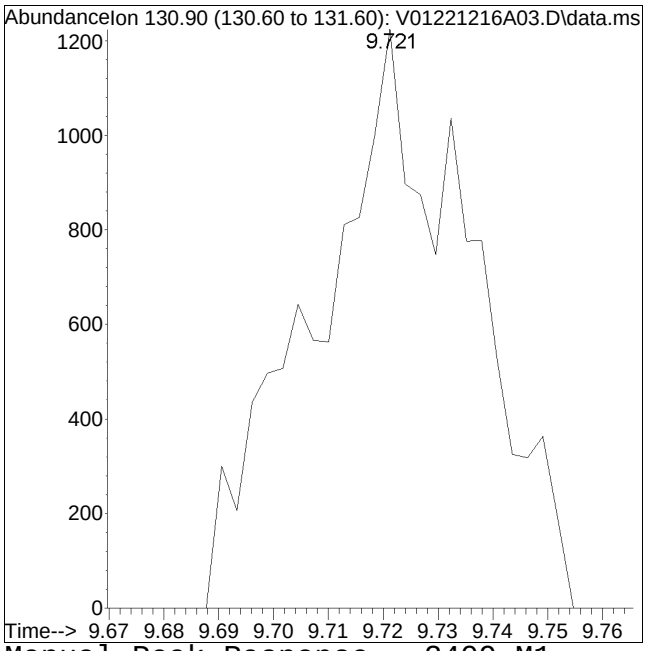
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #75: 1,1,1,2-Tetrachloroethane



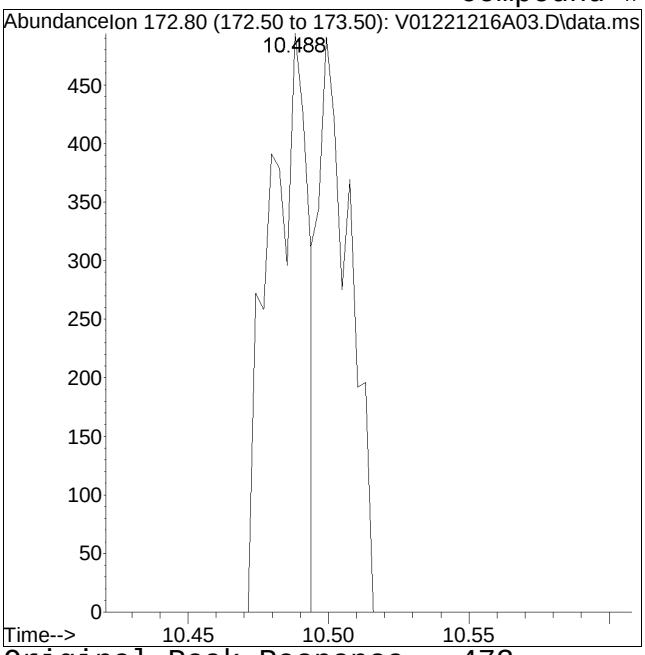


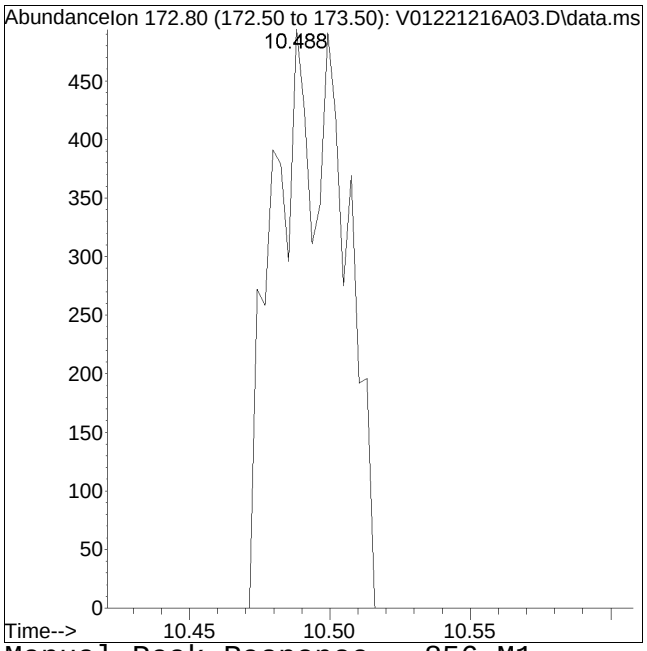
Original Peak Response = 1689 Manual Peak Response = 2409 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #80: Bromoform



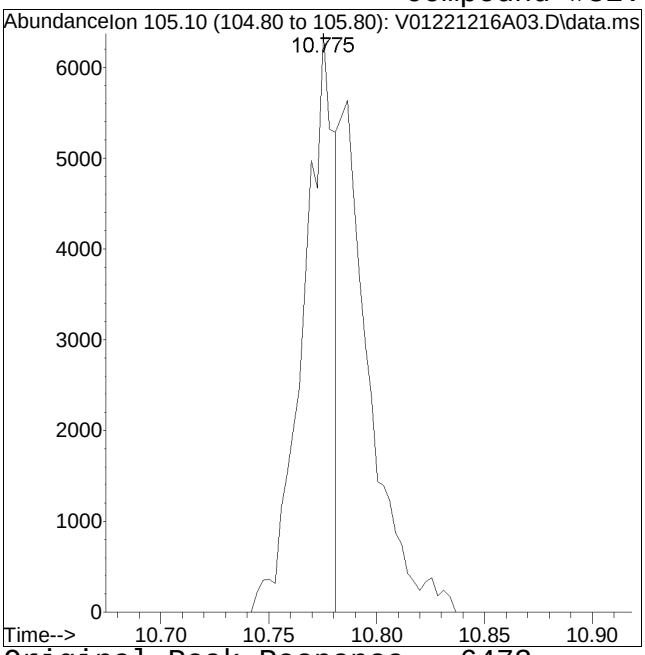


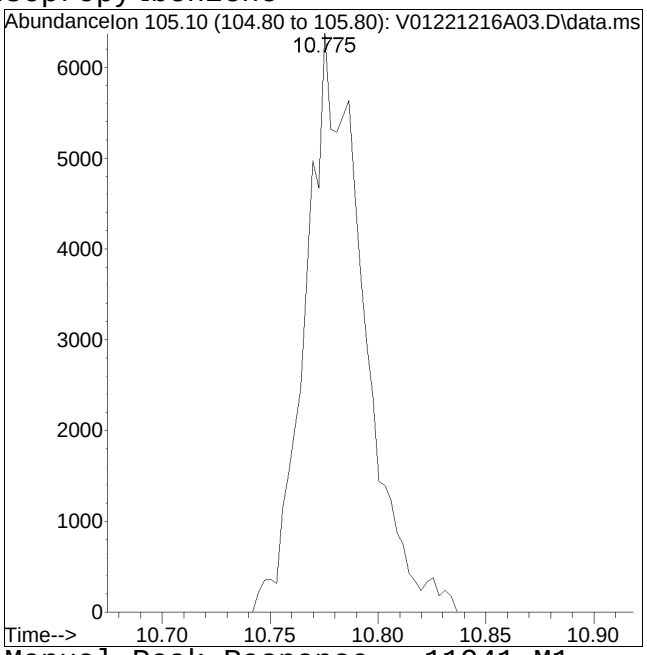
Original Peak Response = 473 Manual Peak Response = 856 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #82: Isopropylbenzene



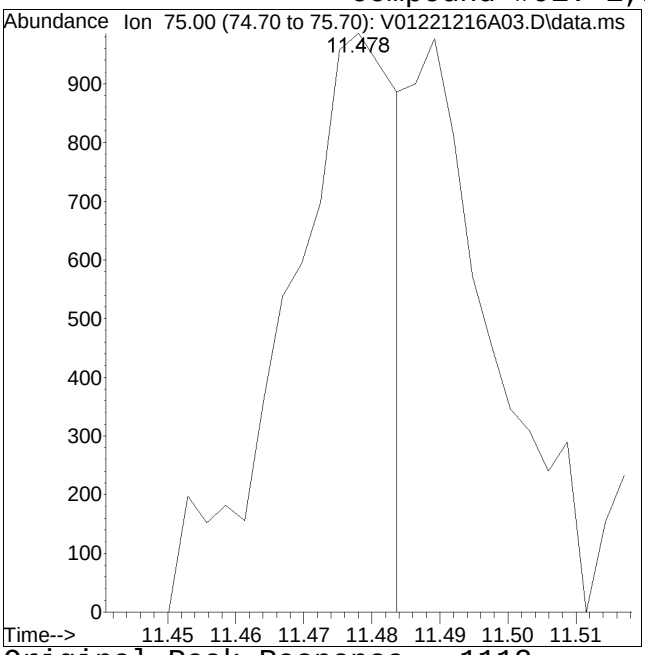


Original Peak Response = 6473 Manual Peak Response = 11941 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

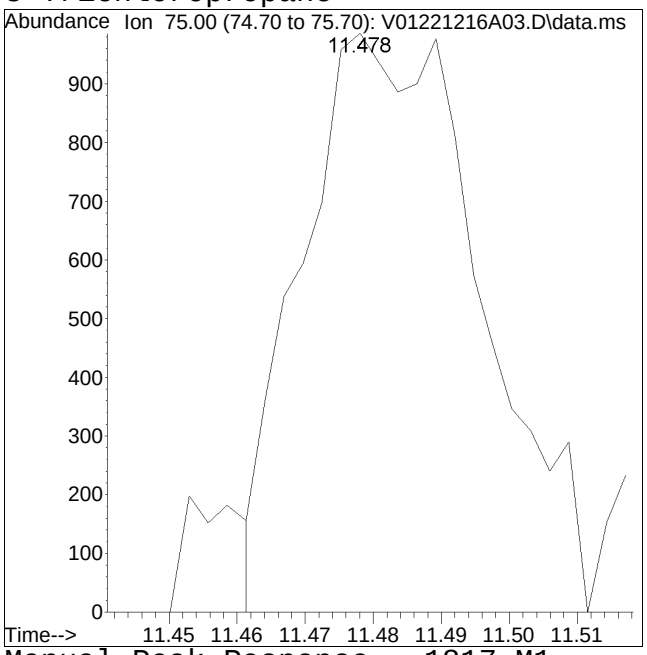
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 1112



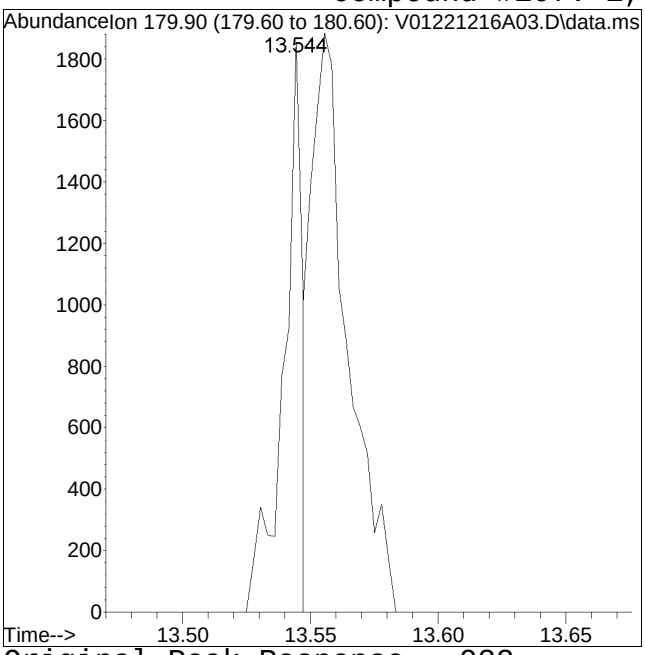
Manual Peak Response = 1817 M1

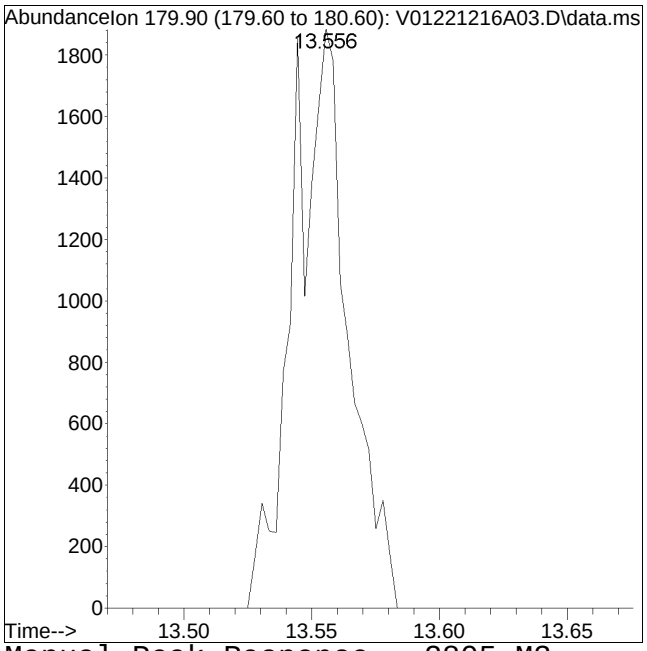
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #107: 1,3,5-Trichlorobenzene





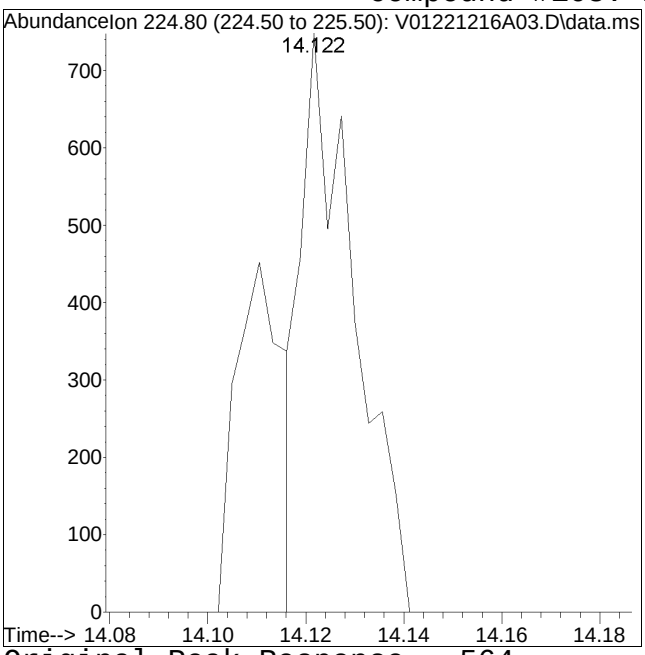
Original Peak Response = 932 Manual Peak Response = 2805 M3

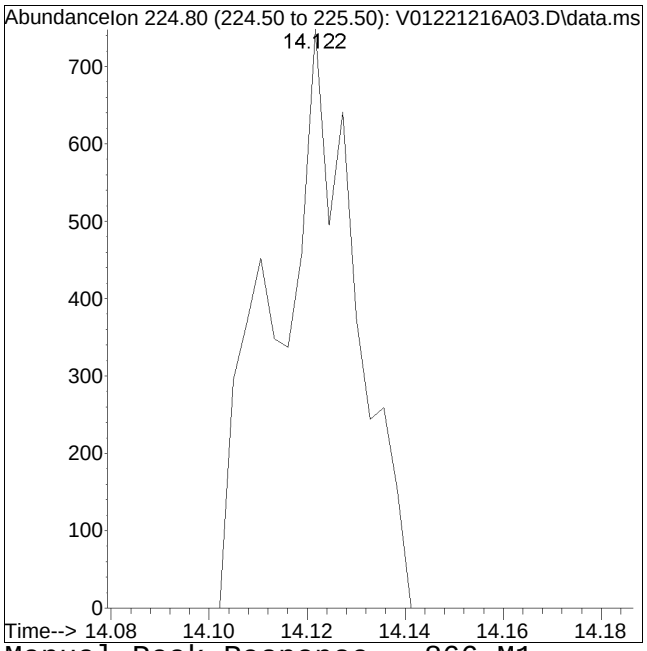
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A03.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:03 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 12/17/2022 9:42 am

Compound #108: Hexachlorobutadiene





Original Peak Response = 564 Manual Peak Response = 866 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A05.D
Acq On : 16 Dec 2022 1:54 pm
Operator : VOA101:PID
Sample : I8260STD2PPB
Misc : WG1724555,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 17 09:48:38 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:46:39 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.085	96	288352	10.000 ug/L	0.00
Standard Area 1 = 298001			Recovery = 96.76%		
59) Chlorobenzene-d5	9.618	117	221401	10.000 ug/L	0.00
Standard Area 1 = 233183			Recovery = 94.95%		
79) 1,4-Dichlorobenzene-d4	12.301	152	113868	10.000 ug/L	0.00
Standard Area 1 = 124640			Recovery = 91.36%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.279	113	79861	10.098 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.98%		
43) 1,2-Dichloroethane-d4	5.798	65	85928	9.957 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.57%		
60) Toluene-d8	7.769	98	282632	10.101 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.01%		
83) 4-Bromofluorobenzene	11.099	95	99782	10.224 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.24%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.701	85	12492	2.138 ug/L	97
3) Chloromethane	1.888	50	16563	2.272 ug/L	98
4) Vinyl chloride	1.963	62	22571	2.296 ug/L	96
5) Bromomethane	2.284	94	12483	2.128 ug/L	98
6) Chloroethane	2.393	64	18869	2.171 ug/L	98
7) Trichlorofluoromethane	2.538	101	35532	2.173 ug/L	97
8) Ethyl ether	2.839	74	9413	2.206 ug/L #	80
10) 1,1-Dichloroethene	3.026	96	20318	2.139 ug/L	93
11) Carbon disulfide	3.059	76	37874	2.115 ug/L	96
12) Freon-113	3.067	101	21675	2.147 ug/L #	68
13) Iodomethane	3.159	142	19590	2.478 ug/L	98
14) Acrolein	3.352	56	1324	2.477 ug/L #	79
15) Methylene chloride	3.583	84	14546	2.332 ug/L	93
17) Acetone	3.639	43	3379M1	1.680 ug/L	
18) trans-1,2-Dichloroethene	3.737	96	14526	2.384 ug/L	93
19) Methyl acetate	3.751	43	6298	2.260 ug/L	95
20) Methyl tert-butyl ether	3.840	73	25204	2.118 ug/L #	87
21) tert-Butyl alcohol	3.940	59	2371M1	10.042 ug/L	
22) Diisopropyl ether	4.191	45	47171	2.216 ug/L	95
23) 1,1-Dichloroethane	4.317	63	27129	2.306 ug/L	96
24) Halothane	4.370	117	9908	2.072 ug/L #	69

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A05.D
Acq On : 16 Dec 2022 1:54 pm
Operator : VOA101:PID
Sample : I8260STD2PPB
Misc : WG1724555,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 17 09:48:38 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:46:39 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.375	53	2464M3	2.300	ug/L		
26) Ethyl tert-butyl ether	4.543	59	36387	2.160	ug/L		92
27) Vinyl acetate	4.551	43	21199	2.094	ug/L	#	84
28) cis-1,2-Dichloroethene	4.835	96	15709	2.238	ug/L		99
29) 2,2-Dichloropropane	4.936	77	19288	2.168	ug/L		87
30) Bromochloromethane	5.031	128	7215	2.153	ug/L		93
31) Cyclohexane	5.036	56	21294	2.085	ug/L		97
32) Chloroform	5.103	83	26663	2.254	ug/L	#	93
33) Ethyl acetate	5.215	43	7844M1	2.011	ug/L		
34) Carbon tetrachloride	5.234	117	15664	1.910	ug/L		98
35) Tetrahydrofuran	5.265	42	2570M3	2.163	ug/L		
37) 1,1,1-Trichloroethane	5.298	97	20333	2.220	ug/L		97
39) 2-Butanone	5.396	43	2927M6	1.859	ug/L		
40) 1,1-Dichloropropene	5.427	75	17647	2.171	ug/L		97
41) Benzene	5.666	78	56099	1.878	ug/L	#	95
42) tert-Amyl methyl ether	5.775	73	29045	2.112	ug/L		88
44) 1,2-Dichloroethane	5.867	62	18513	2.203	ug/L		96
47) Methyl cyclohexane	6.258	83	18690M3	1.989	ug/L		
48) Trichloroethene	6.260	95	15543	1.808	ug/L		98
50) Dibromomethane	6.704	93	7777	2.161	ug/L		97
51) 1,2-Dichloropropane	6.804	63	13990	2.186	ug/L	#	88
54) Bromodichloromethane	6.874	83	16737	2.204	ug/L		97
57) 1,4-Dioxane	7.091	88	15054	444.953	ug/L		97
58) cis-1,3-Dichloropropene	7.563	75	18405	2.184	ug/L	#	89
61) Toluene	7.830	92	35554	2.279	ug/L		98
62) 4-Methyl-2-pentanone	8.274	58	2548M3	2.042	ug/L		
63) Tetrachloroethene	8.285	166	14244	2.215	ug/L		86
65) trans-1,3-Dichloropropene	8.316	75	15075	2.272	ug/L		87
67) Ethyl methacrylate	8.502	69	8318	2.292	ug/L	#	76
68) 1,1,2-Trichloroethane	8.502	83	8505	2.209	ug/L	#	70
69) Chlorodibromomethane	8.712	129	10005	2.258	ug/L		99
70) 1,3-Dichloropropane	8.820	76	17459	2.192	ug/L		99
71) 1,2-Dibromoethane	8.999	107	9557	2.218	ug/L		99
72) 2-Hexanone	9.278	43	4286M1	1.861	ug/L		
73) Chlorobenzene	9.637	112	41421	2.292	ug/L		92
74) Ethylbenzene	9.677	91	65630M4	2.199	ug/L		
75) 1,1,1,2-Tetrachloroethane	9.724	131	11399	2.160	ug/L		99
76) p/m Xylene	9.861	106	50150	4.562	ug/L		96
77) o Xylene	10.396	106	46833	4.552	ug/L		98
78) Styrene	10.463	104	71761	4.506	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A05.D
Acq On : 16 Dec 2022 1:54 pm
Operator : VOA101:PID
Sample : I8260STD2PPB
Misc : WG1724555,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 17 09:48:38 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:46:39 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	10.496	173	4360	2.094	ug/L		99
82) Isopropylbenzene	10.778	105	60682	2.193	ug/L		97
84) Bromobenzene	11.210	156	15284	2.267	ug/L		98
85) n-Propylbenzene	11.252	91	72055	2.214	ug/L		99
86) 1,4-Dichlorobutane	11.272	55	15189	2.263	ug/L		96
87) 1,1,2,2-Tetrachloroethane	11.339	83	10976	2.167	ug/L		97
88) 4-Ethyltoluene	11.380	105	58982	2.326	ug/L		99
89) 2-Chlorotoluene	11.425	91	43742M1	2.261	ug/L		
90) 1,3,5-Trimethylbenzene	11.475	105	47935	2.219	ug/L		100
91) 1,2,3-Trichloropropane	11.481	75	8902M4	2.305	ug/L		
92) trans-1,4-Dichloro-2-b...	11.537	53	2824	2.262	ug/L	#	22
93) 4-Chlorotoluene	11.603	91	42880	2.251	ug/L		99
94) tert-Butylbenzene	11.815	119	38556	2.091	ug/L		99
97) 1,2,4-Trimethylbenzene	11.893	105	46576	2.220	ug/L		99
98) sec-Butylbenzene	12.005	105	56431	2.202	ug/L		96
99) p-Isopropyltoluene	12.156	119	45236	2.148	ug/L		99
100) 1,3-Dichlorobenzene	12.231	146	27529	2.240	ug/L		99
101) 1,4-Dichlorobenzene	12.315	146	29397M1	2.211	ug/L		
102) p-Diethylbenzene	12.527	119	25026	2.127	ug/L		99
103) n-Butylbenzene	12.585	91	36621M1	2.059	ug/L		
104) 1,2-Dichlorobenzene	12.741	146	24991	2.205	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.321	119	33971	2.164	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.516	155	1044	3.119	ug/L		95
107) 1,3,5-Trichlorobenzene	13.547	180	13483	2.154	ug/L		95
108) Hexachlorobutadiene	14.119	225	4411	2.213	ug/L	#	81
109) 1,2,4-Trichlorobenzene	14.147	180	11429	2.141	ug/L		98
110) Naphthalene	14.440	128	24370	2.136	ug/L		100
111) 1,2,3-Trichlorobenzene	14.610	180	9833	2.235	ug/L		98

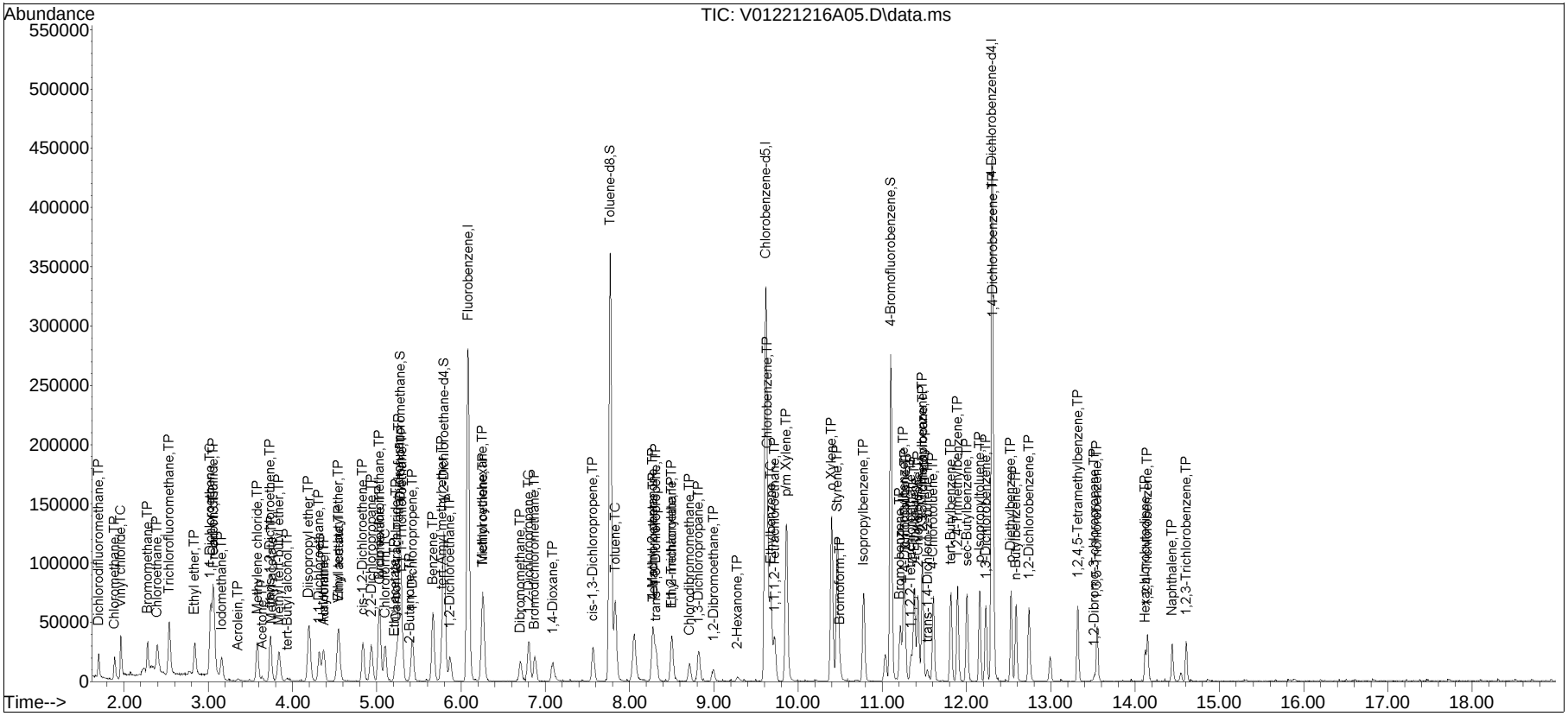
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A05.D
Acq On : 16 Dec 2022 1:54 pm
Operator : VOA101:PID
Sample : I8260STD2PPB
Misc : WG1724555,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 17 09:48:38 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:46:39 2022
Response via : Initial Calibration

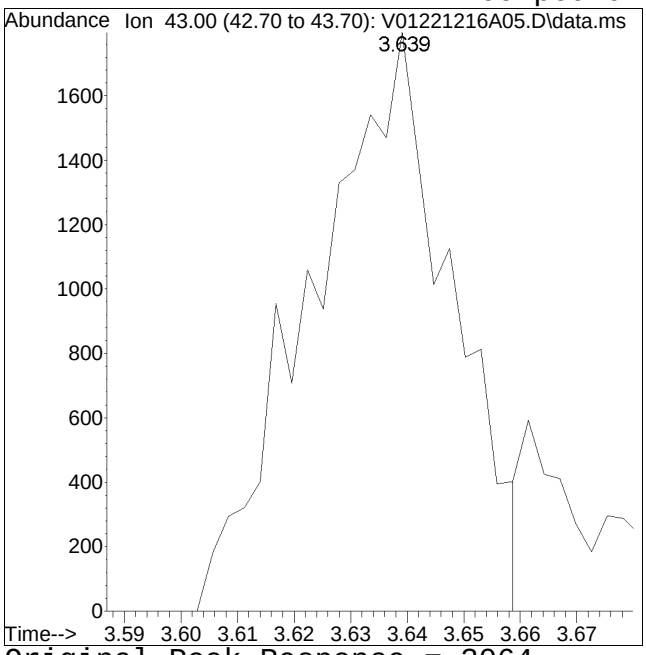
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVEV01221216A07.D•

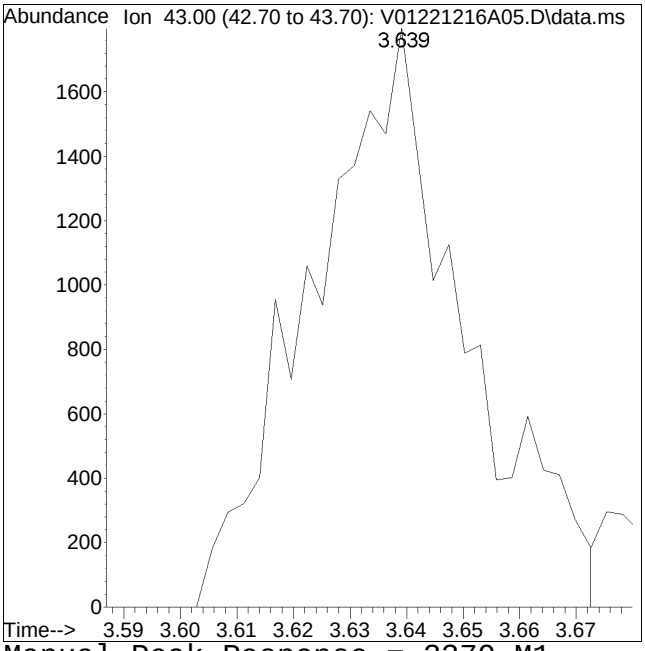


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A05.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:54 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 12/17/2022 9:46 am

Compound #17: Acetone





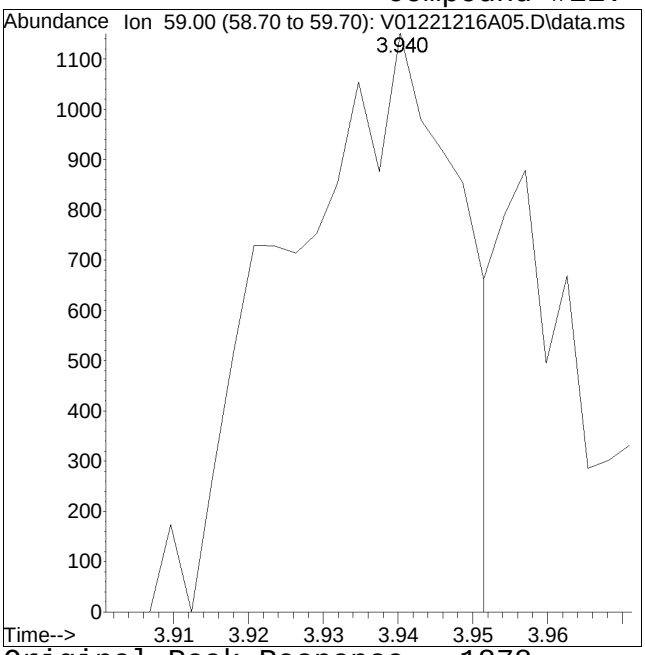
Original Peak Response = 3064 Manual Peak Response = 3379 M1

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

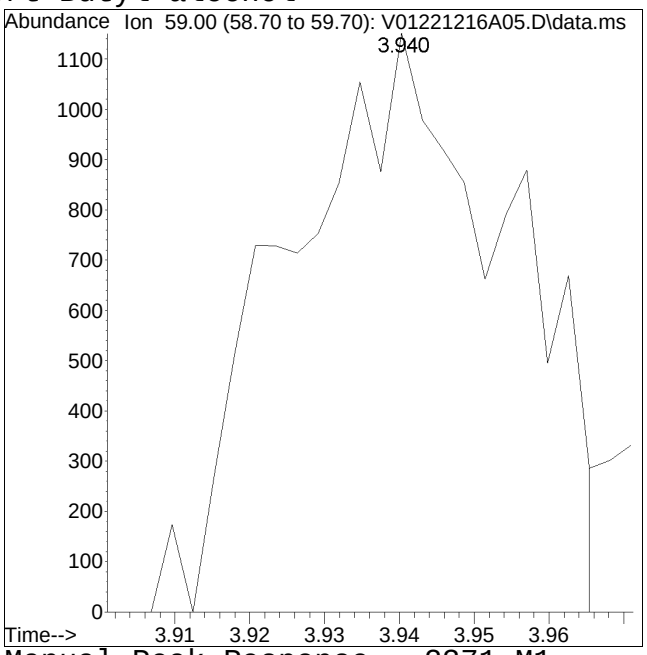
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A05.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:54 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 12/17/2022 9:46 am

Compound #21: tert-Butyl alcohol



Original Peak Response = 1878



Manual Peak Response = 2371 M1

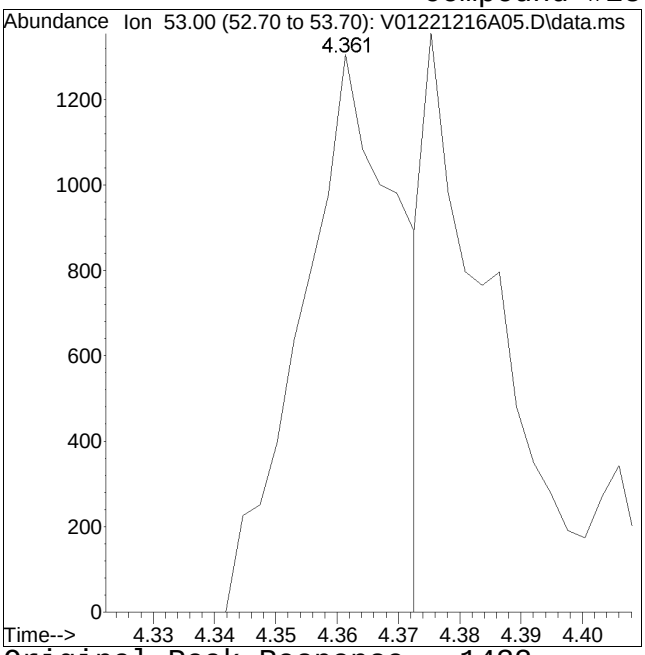
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

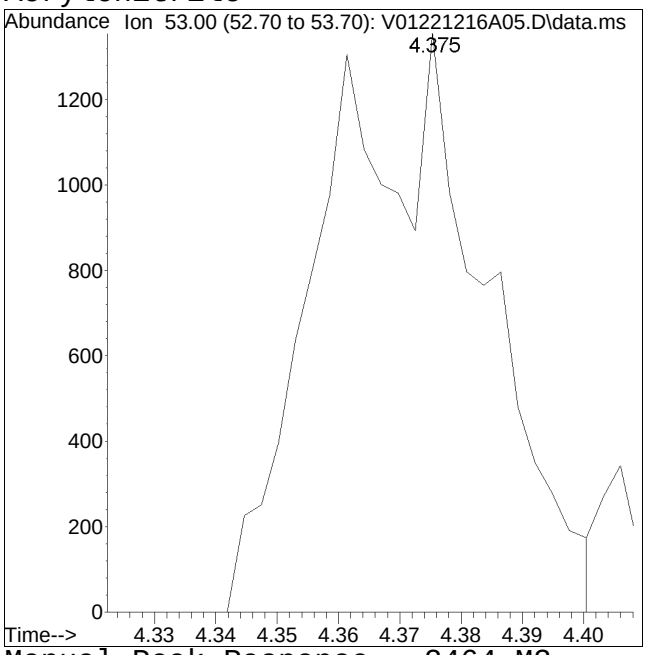
Data Path : I:\VOLATILES\VOA101\2022\2Q
Data File : V01221216A05.D
Date Inj'd : 12/16/2022 1:54 pm
Sample : I8260STD2PPB

Method : V101_221216A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 12/17/2022 9:46 am

Compound #25: Acrylonitrile



Original Peak Response = 1432



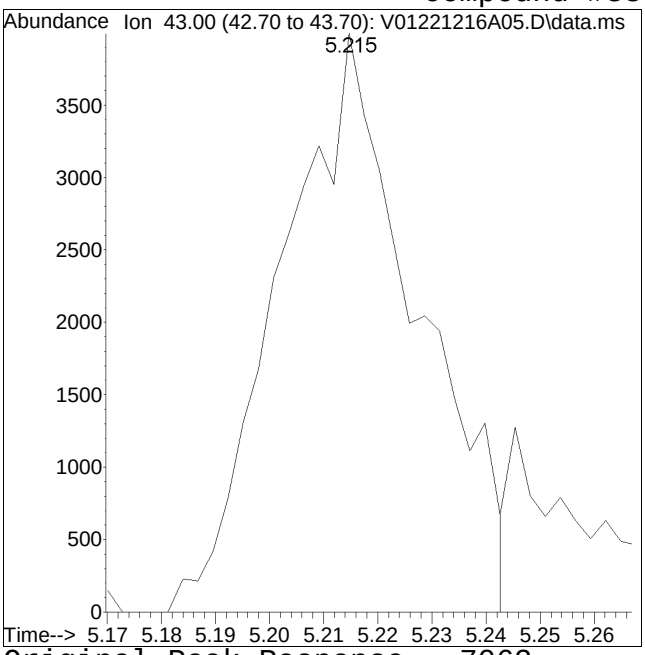
Manual Peak Response = 2464 M3

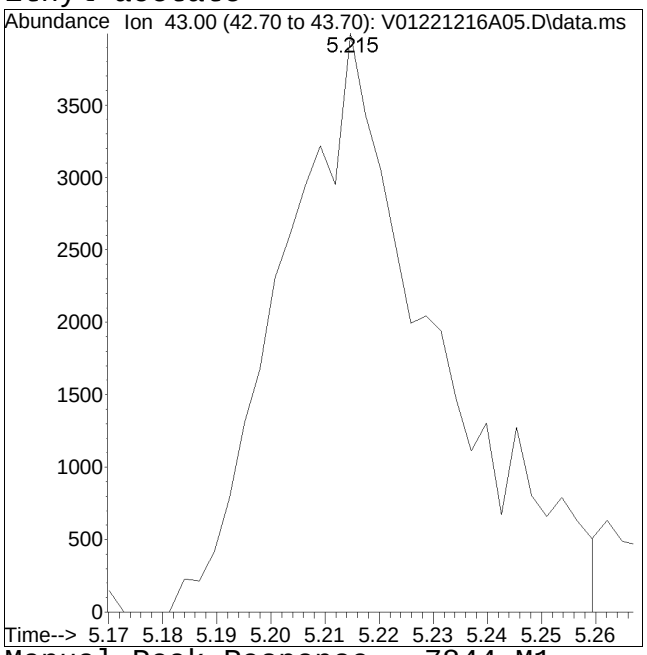
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A05.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:54 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 12/17/2022 9:46 am

Compound #33: Ethyl acetate



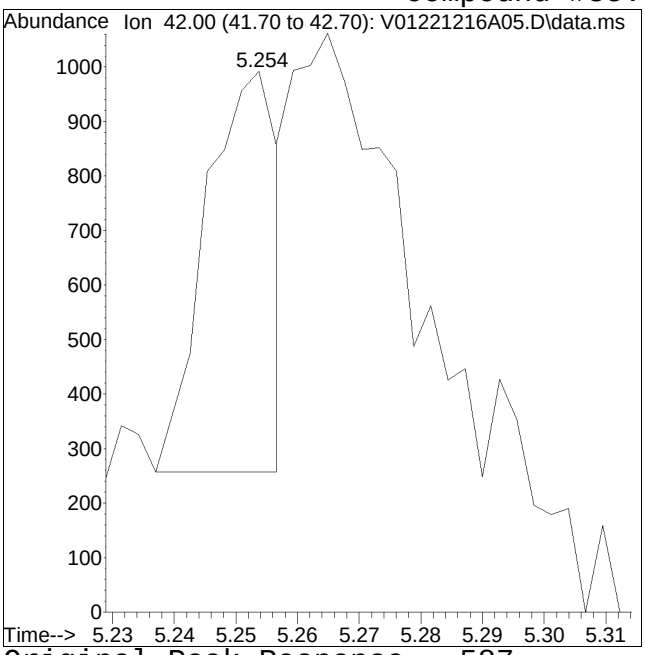


Original Peak Response = 7062 Manual Peak Response = 7844 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

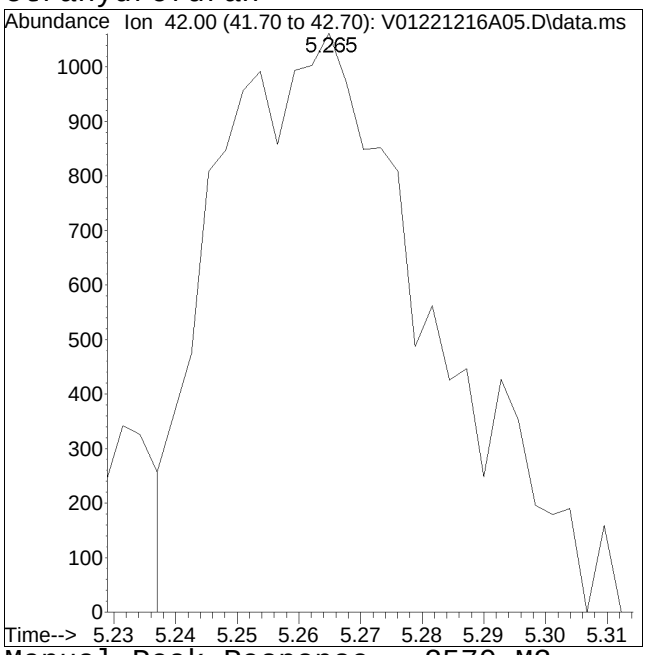
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A05.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:54 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 12/17/2022 9:46 am

Compound #35: Tetrahydrofuran



Original Peak Response = 587



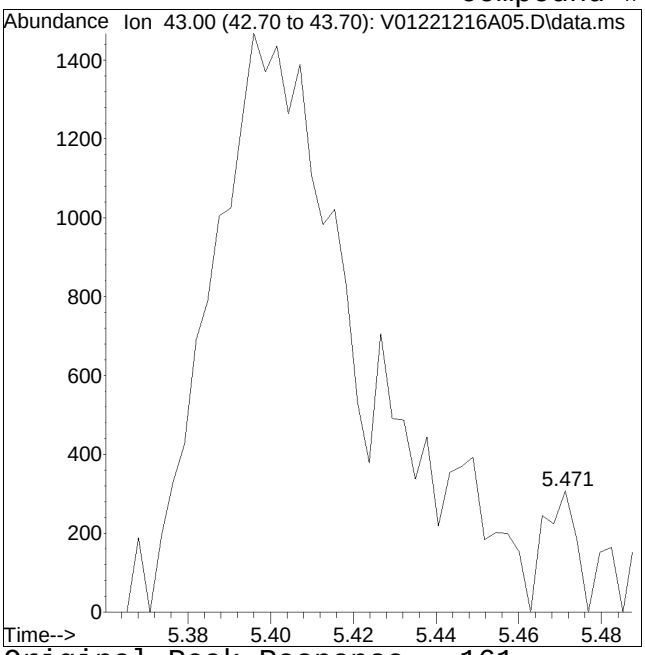
Manual Peak Response = 2570 M3

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.

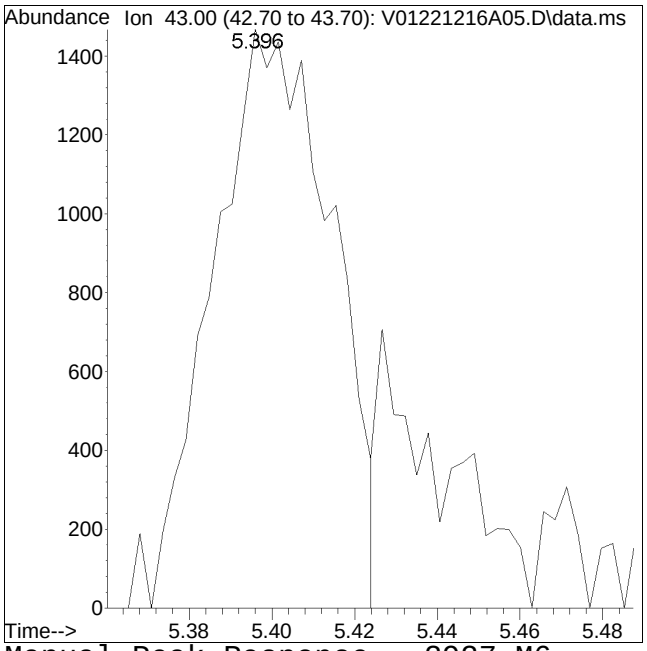
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A05.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:54 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 12/17/2022 9:46 am

Compound #39: 2-Butanone



Original Peak Response = 161



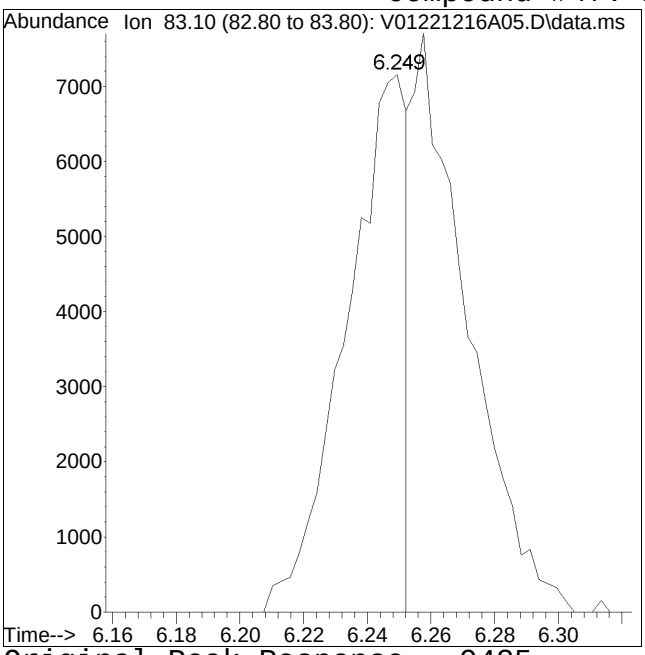
Manual Peak Response = 2927 M6

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

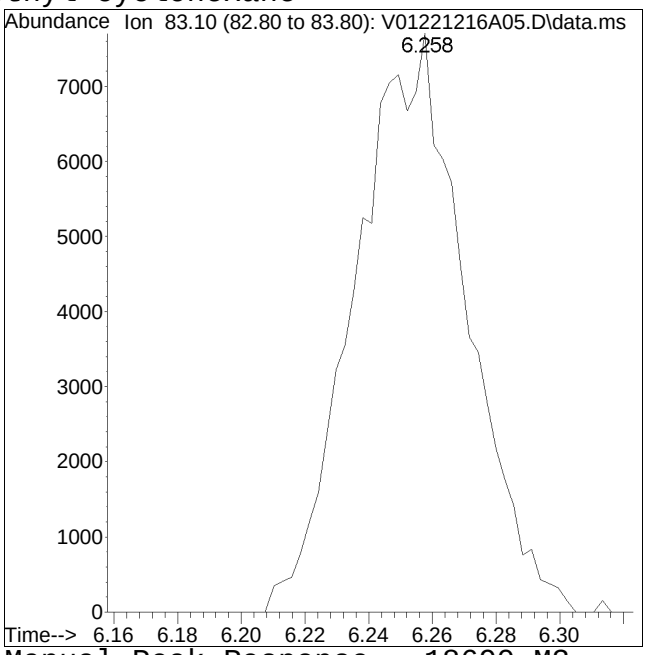
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A05.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:54 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 12/17/2022 9:46 am

Compound #47: Methyl cyclohexane



Original Peak Response = 9425



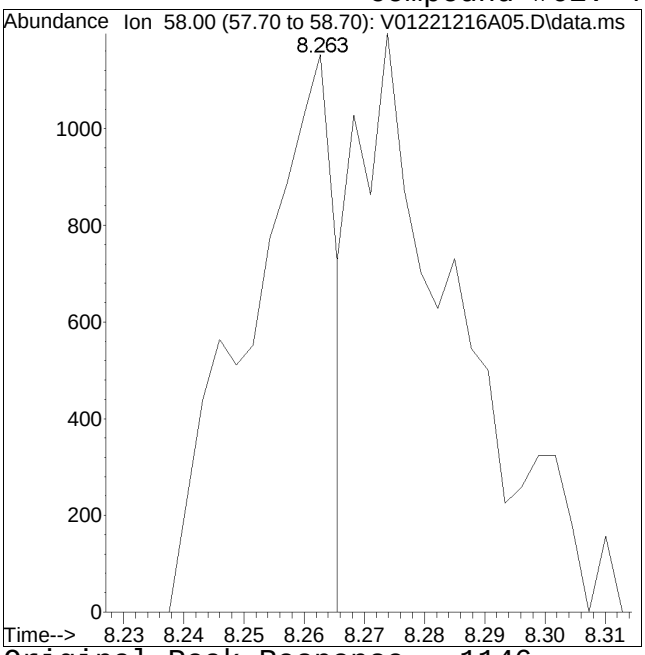
Manual Peak Response = 18690 M3

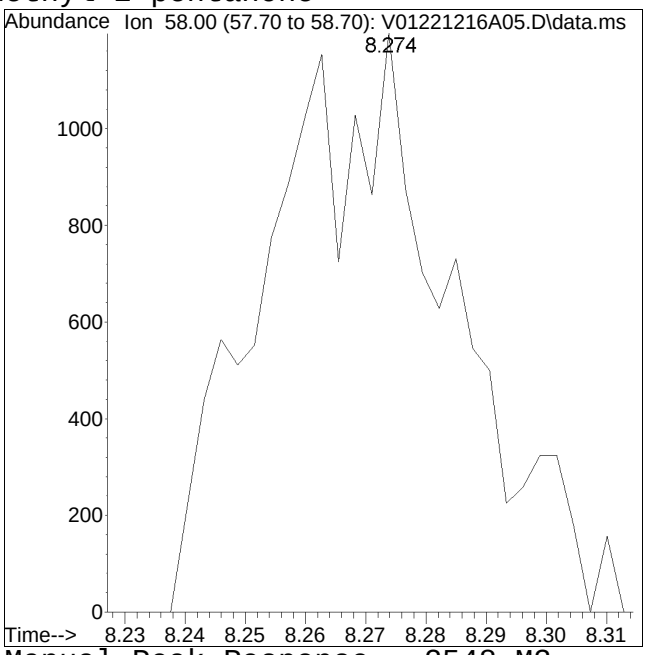
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A05.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:54 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 12/17/2022 9:46 am

Compound #62: 4-Methyl-2-pentanone





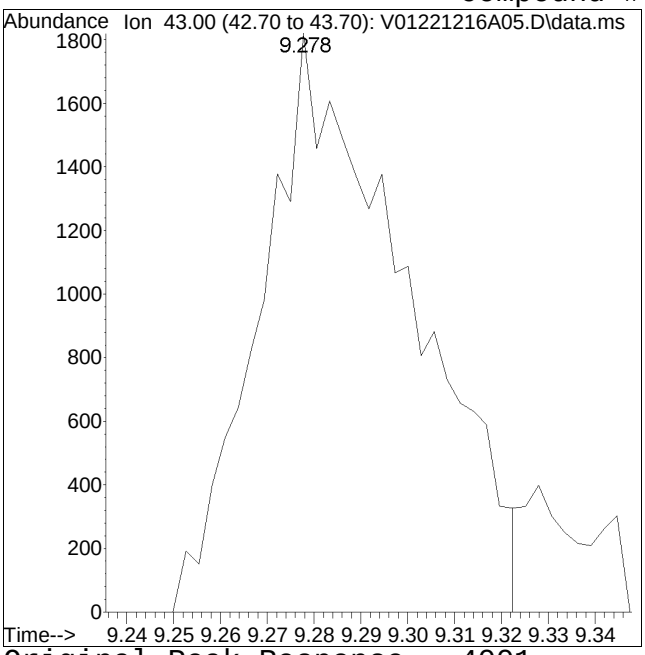
Original Peak Response = 1146 Manual Peak Response = 2548 M3

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.

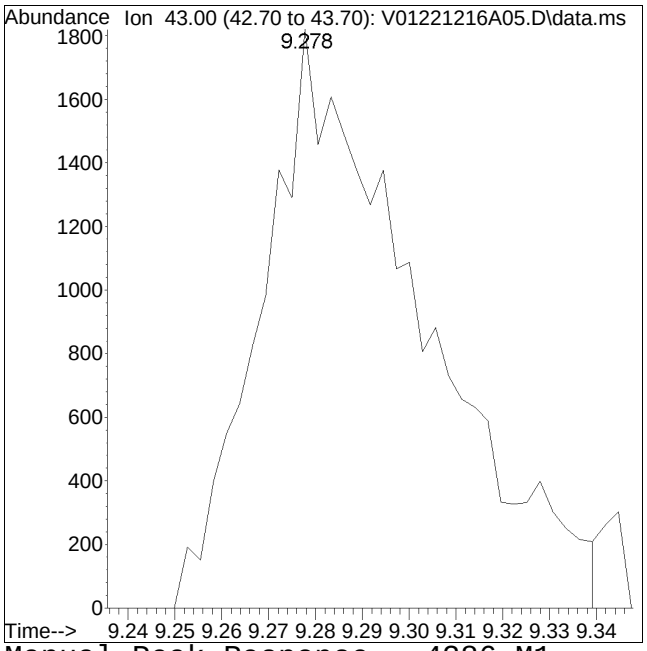
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A05.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:54 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 12/17/2022 9:46 am

Compound #72: 2-Hexanone



Original Peak Response = 4001



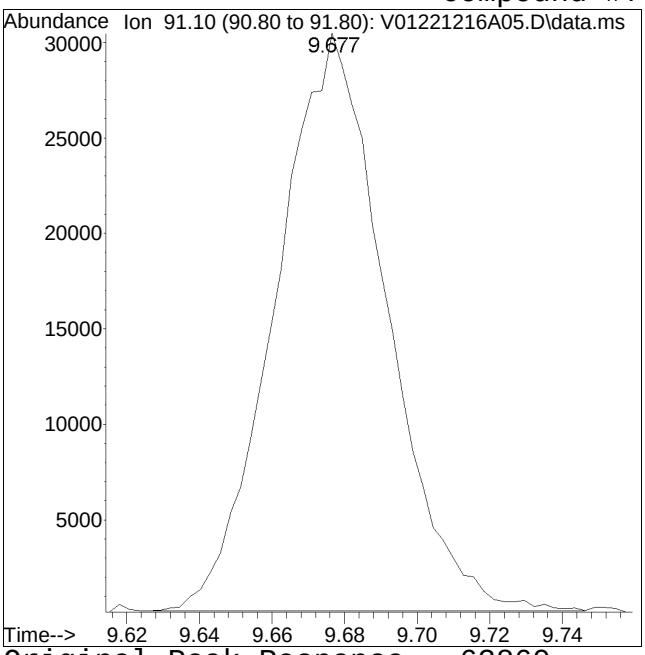
Manual Peak Response = 4286 M1

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

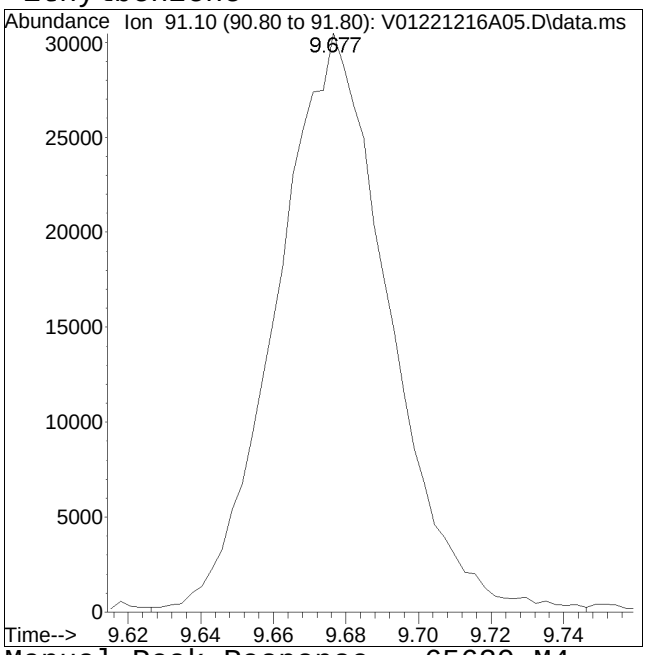
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A05.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:54 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 12/17/2022 9:46 am

Compound #74: Ethylbenzene



Original Peak Response = 63860



Manual Peak Response = 65630 M4

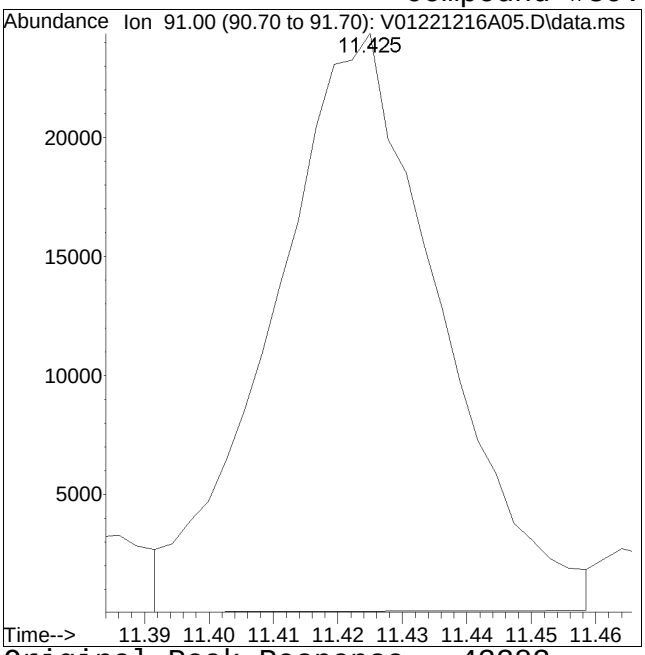
M4 = Poor automated baseline construction.

Manual Integration Report

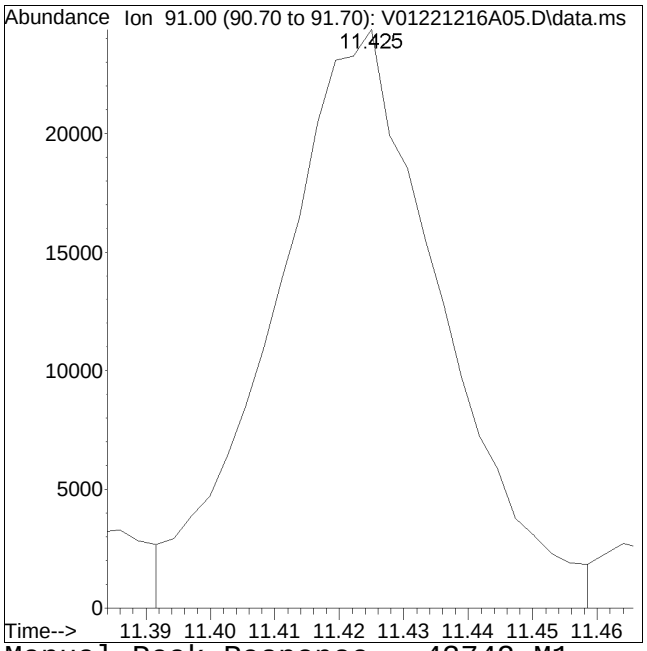
Data Path : I:\VOLATILES\VOA101\2022\2Q
Data File : V01221216A05.D
Date Inj'd : 12/16/2022 1:54 pm
Sample : I8260STD2PPB

Method : V101_221216A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 12/17/2022 9:46 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 43383



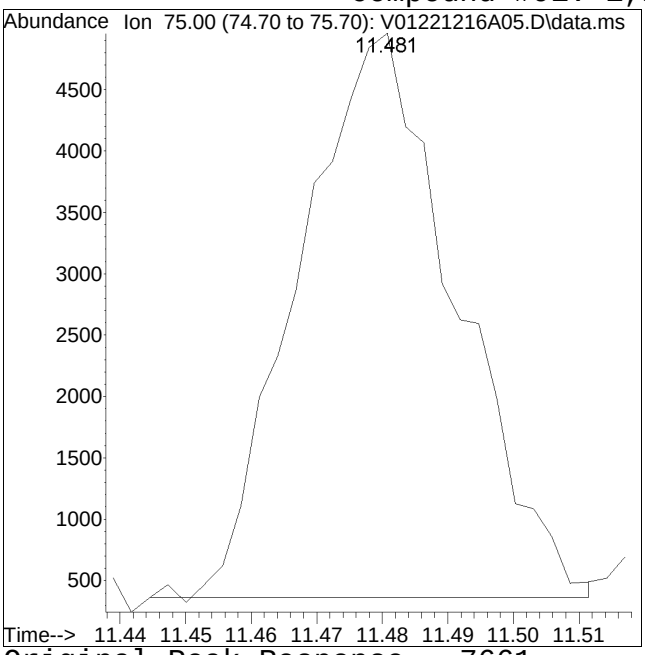
Manual Peak Response = 43742 M1

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

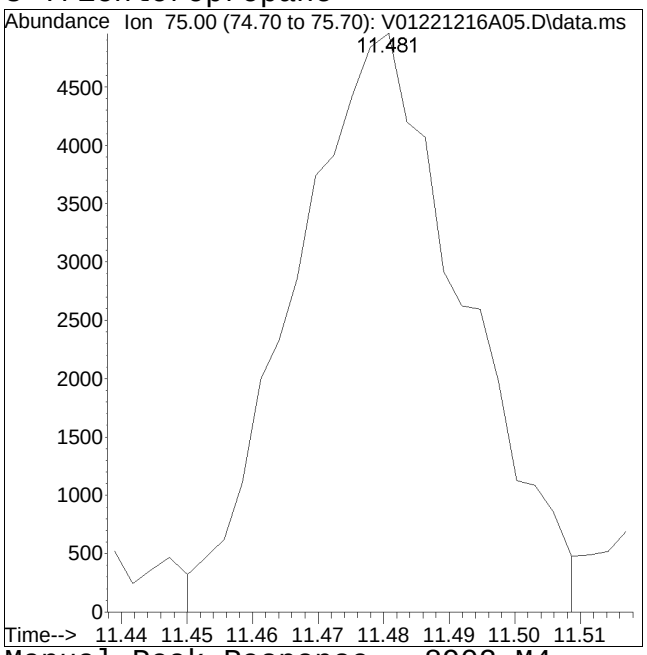
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A05.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:54 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 12/17/2022 9:46 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 7661



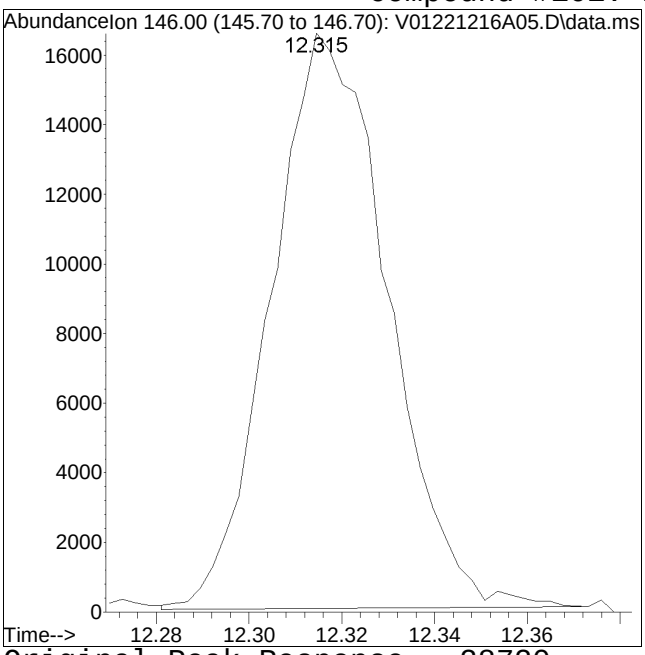
Manual Peak Response = 8902 M4

M4 = Poor automated baseline construction.

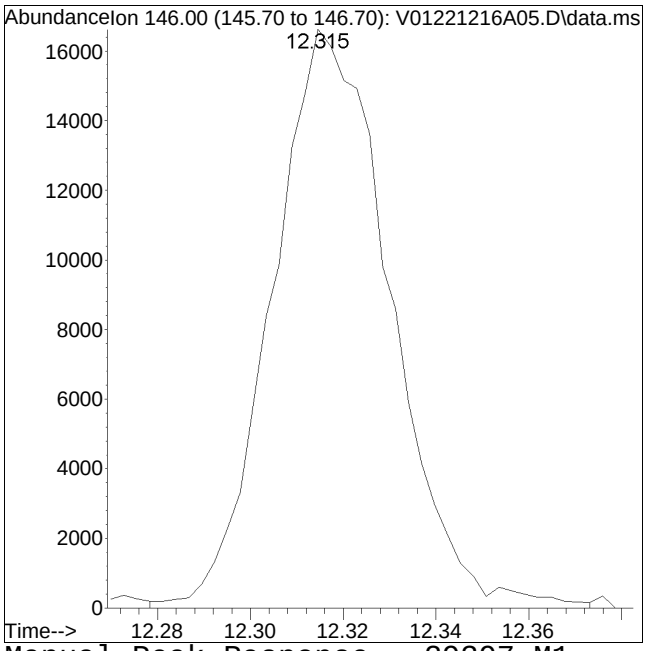
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A05.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:54 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 12/17/2022 9:46 am

Compound #101: 1,4-Dichlorobenzene



Original Peak Response = 28720



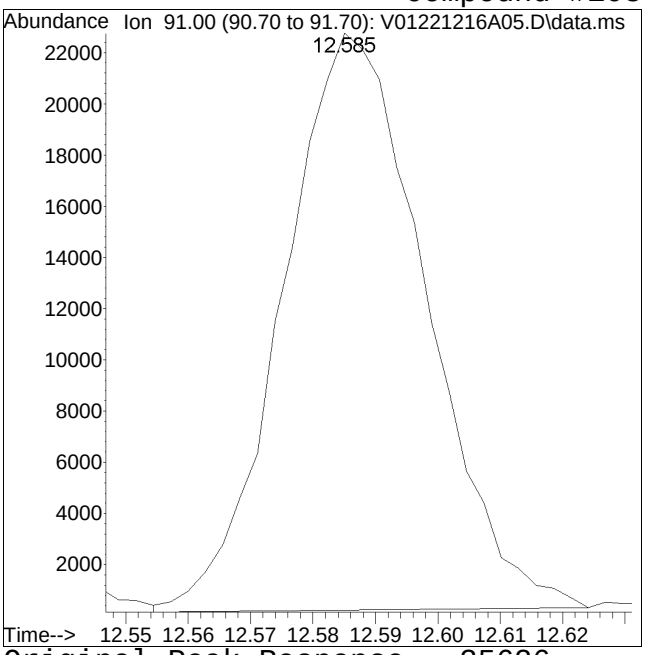
Manual Peak Response = 29397 M1

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

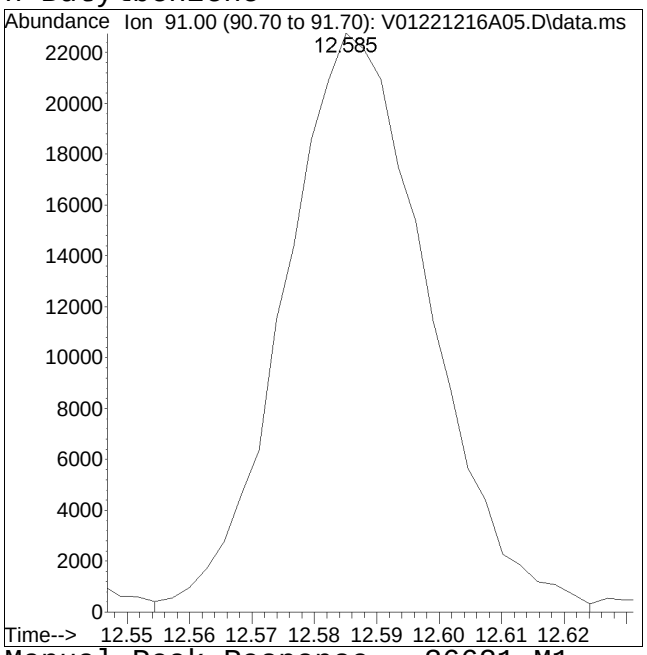
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A05.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 1:54 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 12/17/2022 9:46 am

Compound #103: n-Butylbenzene



Original Peak Response = 35626



Manual Peak Response = 36621 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A07.D
Acq On : 16 Dec 2022 2:46 pm
Operator : VOA101:PID
Sample : I8260STD10PPB
Misc : WG1724555,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 17 09:40:31 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:40:08 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.079	96	298001	10.000	ug/L	0.00
Standard Area 1 = 298001			Recovery = 100.00%			
59) Chlorobenzene-d5	9.615	117	233183	10.000	ug/L	0.00
Standard Area 1 = 233183			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.304	152	124640	10.000	ug/L	0.00
Standard Area 1 = 124640			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.276	113	81637	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
43) 1,2-Dichloroethane-d4	5.800	65	89935	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
60) Toluene-d8	7.769	98	292966	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
83) 4-Bromofluorobenzene	11.102	95	104860	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.701	85	67594	10.000	ug/L	100
3) Chloromethane	1.891	50	78535	10.000	ug/L	99
4) Vinyl chloride	1.966	62	114639	10.000	ug/L	99
5) Bromomethane	2.281	94	64009	10.000	ug/L	98
6) Chloroethane	2.398	64	90569	10.000	ug/L	99
7) Trichlorofluoromethane	2.541	101	187454	10.000	ug/L	98
8) Ethyl ether	2.839	74	42512	10.000	ug/L #	82
10) 1,1-Dichloroethene	3.031	96	104236	10.000	ug/L	95
11) Carbon disulfide	3.059	76	189307	10.000	ug/L	97
12) Freon-113	3.065	101	120941	10.000	ug/L #	60
13) Iodomethane	3.168	142	84847	10.000	ug/L	96
14) Acrolein	3.352	56	6307	10.000	ug/L	96
15) Methylene chloride	3.581	84	66345	10.000	ug/L	91
17) Acetone	3.636	43	14372M1	10.000	ug/L	
18) trans-1,2-Dichloroethene	3.740	96	68532	10.000	ug/L	99
19) Methyl acetate	3.748	43	28802	10.000	ug/L	94
20) Methyl tert-butyl ether	3.840	73	120019	10.000	ug/L	94
21) tert-Butyl alcohol	3.938	59	12201	50.000	ug/L	94
22) Diisopropyl ether	4.197	45	227175	10.000	ug/L	96
23) 1,1-Dichloroethane	4.317	63	130310	10.000	ug/L	100
24) Halothane	4.367	117	52547	10.000	ug/L	99

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A07.D
Acq On : 16 Dec 2022 2:46 pm
Operator : VOA101:PID
Sample : I8260STD10PPB
Misc : WG1724555,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 17 09:40:31 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:40:08 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.364	53	12272	10.000	ug/L		96
26) Ethyl tert-butyl ether	4.540	59	176025	10.000	ug/L		94
27) Vinyl acetate	4.551	43	104609	10.000	ug/L		97
28) cis-1,2-Dichloroethene	4.838	96	76032	10.000	ug/L		98
29) 2,2-Dichloropropane	4.936	77	98289	10.000	ug/L		91
30) Bromochloromethane	5.025	128	34778	10.000	ug/L		97
31) Cyclohexane	5.034	56	127495	10.000	ug/L		99
32) Chloroform	5.100	83	124997	10.000	ug/L		98
33) Ethyl acetate	5.212	43	40320	10.000	ug/L	#	84
34) Carbon tetrachloride	5.234	117	87821	10.000	ug/L		99
35) Tetrahydrofuran	5.259	42	12277M1	10.000	ug/L		
37) 1,1,1-Trichloroethane	5.301	97	104981	10.000	ug/L		98
39) 2-Butanone	5.396	43	16276	10.000	ug/L		91
40) 1,1-Dichloropropene	5.427	75	94548	10.000	ug/L		98
41) Benzene	5.667	78	273797	10.000	ug/L		98
42) tert-Amyl methyl ether	5.775	73	144929	10.000	ug/L		95
44) 1,2-Dichloroethane	5.867	62	85035	10.000	ug/L		100
47) Methyl cyclohexane	6.255	83	115794	10.000	ug/L		100
48) Trichloroethene	6.258	95	77449	10.000	ug/L		98
50) Dibromomethane	6.698	93	37445	10.000	ug/L		97
51) 1,2-Dichloropropane	6.804	63	69366	10.000	ug/L		99
54) Bromodichloromethane	6.877	83	82576	10.000	ug/L		99
57) 1,4-Dioxane	7.089	88	18270	500.000	ug/L	#	71
58) cis-1,3-Dichloropropene	7.563	75	96039	10.000	ug/L		91
61) Toluene	7.828	92	175739	10.000	ug/L		100
62) 4-Methyl-2-pentanone	8.260	58	13142	10.000	ug/L		90
63) Tetrachloroethene	8.280	166	75813	10.000	ug/L		95
65) trans-1,3-Dichloropropene	8.313	75	77834	10.000	ug/L		89
67) Ethyl methacrylate	8.497	69	47018	10.000	ug/L		88
68) 1,1,2-Trichloroethane	8.500	83	41586	10.000	ug/L		99
69) Chlorodibromomethane	8.712	129	52220	10.000	ug/L		98
70) 1,3-Dichloropropane	8.823	76	85315	10.000	ug/L		99
71) 1,2-Dibromoethane	8.985	107	47135	10.000	ug/L		99
72) 2-Hexanone	9.275	43	24255	10.000	ug/L		94
73) Chlorobenzene	9.638	112	198410	10.000	ug/L		96
74) Ethylbenzene	9.674	91	343065	10.000	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.724	131	60946	10.000	ug/L		98
76) p/m Xylene	9.861	106	266604	20.000	ug/L		97
77) o Xylene	10.399	106	245203	20.000	ug/L		96
78) Styrene	10.463	104	393500	20.000	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A07.D
Acq On : 16 Dec 2022 2:46 pm
Operator : VOA101:PID
Sample : I8260STD10PPB
Misc : WG1724555,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 17 09:40:31 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:40:08 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Bromoform	10.488	173	26465	10.000	ug/L	98
82) Isopropylbenzene	10.775	105	339050	10.000	ug/L	98
84) Bromobenzene	11.210	156	77459	10.000	ug/L	97
85) n-Propylbenzene	11.252	91	399569	10.000	ug/L	99
86) 1,4-Dichlorobutane	11.269	55	75188	10.000	ug/L	98
87) 1,1,2,2-Tetrachloroethane	11.339	83	53658	10.000	ug/L	99
88) 4-Ethyltoluene	11.378	105	318780	10.000	ug/L	100
89) 2-Chlorotoluene	11.422	91	226025M1	10.000	ug/L	
90) 1,3,5-Trimethylbenzene	11.475	105	265266	10.000	ug/L	99
91) 1,2,3-Trichloropropane	11.478	75	43963M1	10.000	ug/L	
92) trans-1,4-Dichloro-2-b...	11.528	53	13664M1	10.000	ug/L	
93) 4-Chlorotoluene	11.601	91	226510	10.000	ug/L	97
94) tert-Butylbenzene	11.813	119	225353	10.000	ug/L	99
97) 1,2,4-Trimethylbenzene	11.891	105	258845	10.000	ug/L	99
98) sec-Butylbenzene	12.002	105	322814	10.000	ug/L	99
99) p-Isopropyltoluene	12.156	119	271139	10.000	ug/L	99
100) 1,3-Dichlorobenzene	12.225	146	145713	10.000	ug/L	99
101) 1,4-Dichlorobenzene	12.317	146	146759	10.000	ug/L	99
102) p-Diethylbenzene	12.529	119	148303	10.000	ug/L	99
103) n-Butylbenzene	12.585	91	222696	10.000	ug/L	98
104) 1,2-Dichlorobenzene	12.739	146	128637	10.000	ug/L	100
105) 1,2,4,5-Tetramethylben...	13.319	119	196511	10.000	ug/L	100
106) 1,2-Dibromo-3-chloropr...	13.514	155	5944	10.000	ug/L	96
107) 1,3,5-Trichlorobenzene	13.547	180	74391	10.000	ug/L	97
108) Hexachlorobutadiene	14.119	225	24295	10.000	ug/L	99
109) 1,2,4-Trichlorobenzene	14.144	180	61099	10.000	ug/L	99
110) Naphthalene	14.437	128	134070	10.000	ug/L	100
111) 1,2,3-Trichlorobenzene	14.604	180	49402	10.000	ug/L	99

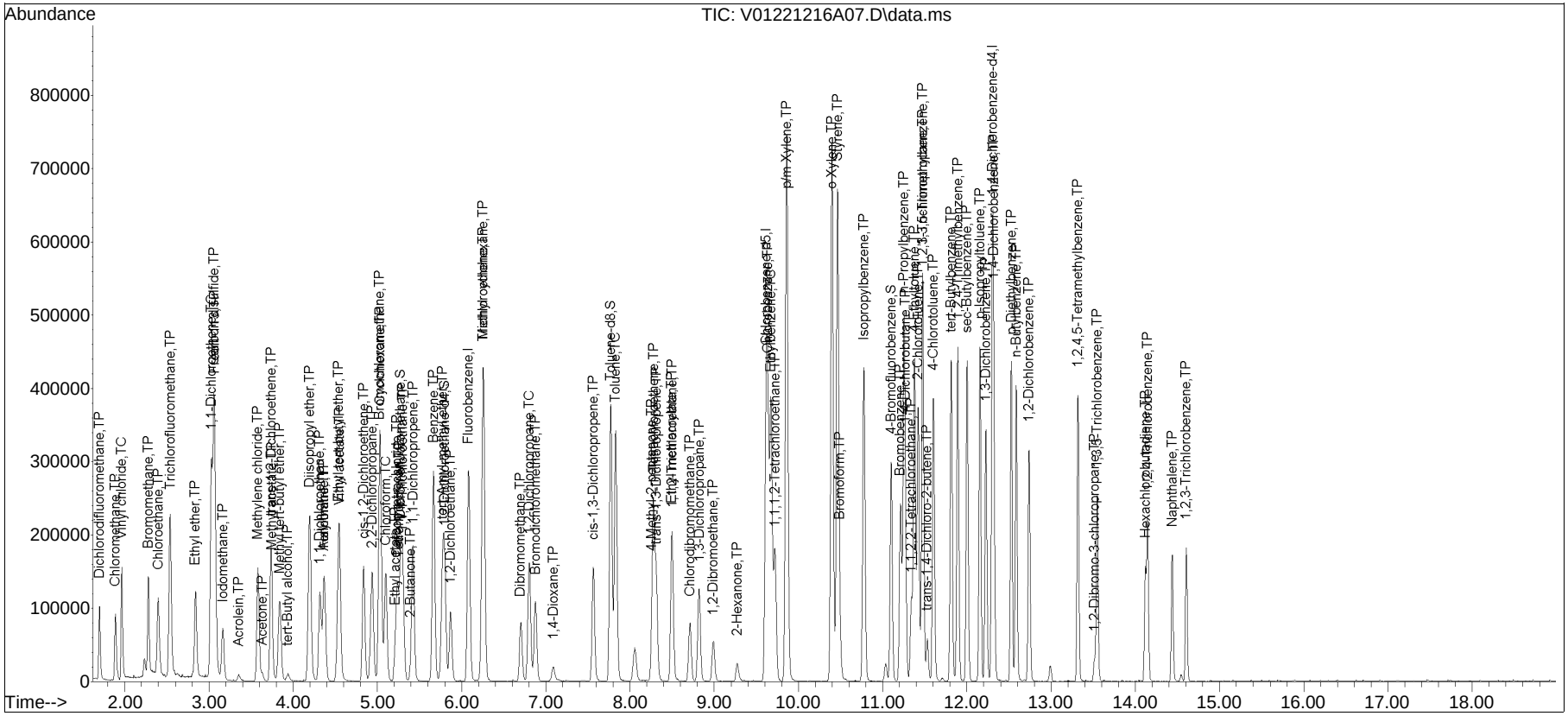
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A07.D
Acq On : 16 Dec 2022 2:46 pm
Operator : VOA101:PID
Sample : I8260STD10PPB
Misc : WG1724555,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 17 09:40:31 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:40:08 2022
Response via : Initial Calibration

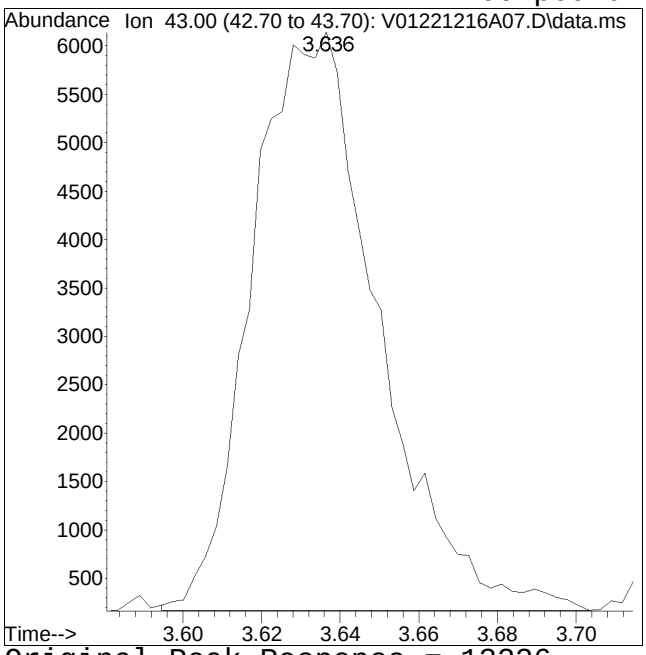
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVEV01221216A07.D•

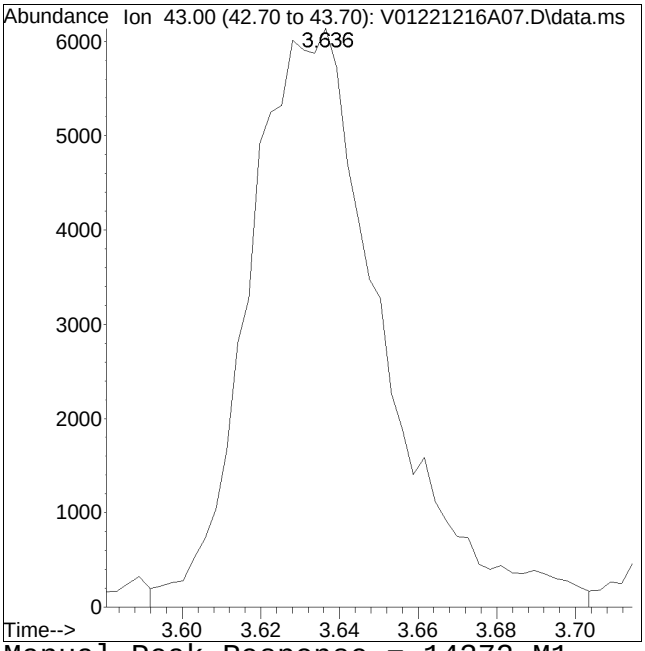


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A07.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 2:46 pm Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 12/17/2022 9:40 am

Compound #17: Acetone



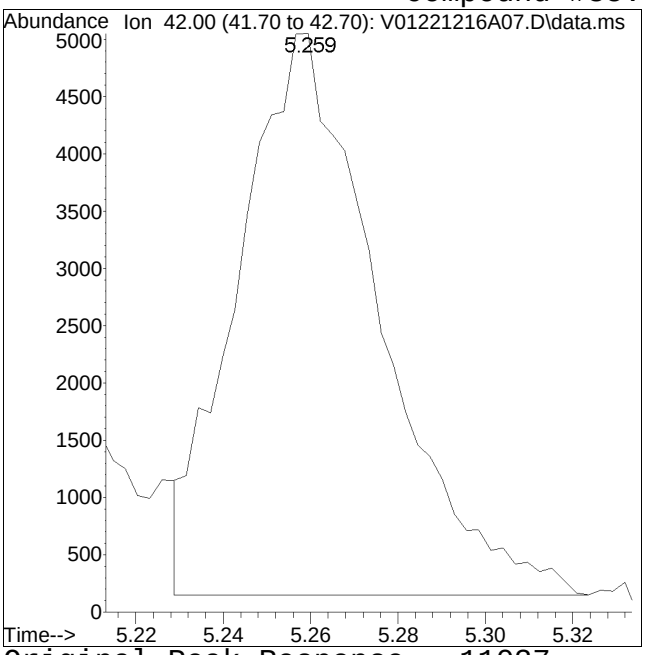


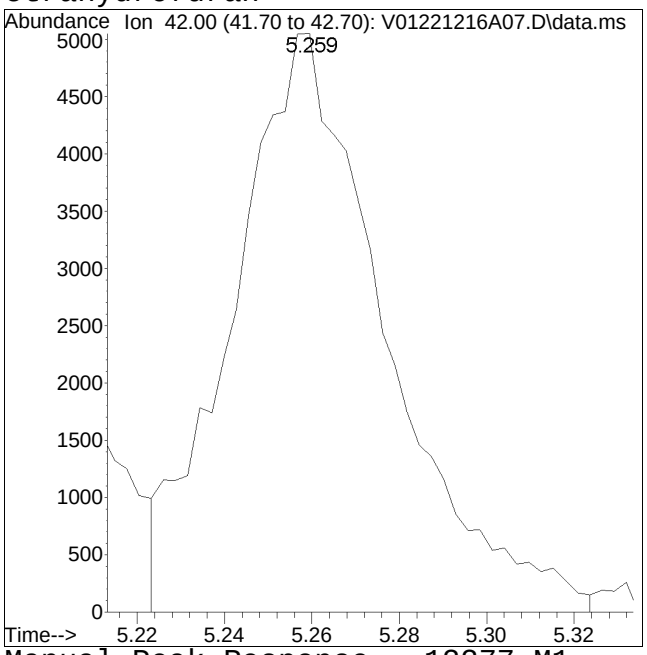
Original Peak Response = 13226 Manual Peak Response = 14372 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A07.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 2:46 pm Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 12/17/2022 9:40 am

Compound #35: Tetrahydrofuran



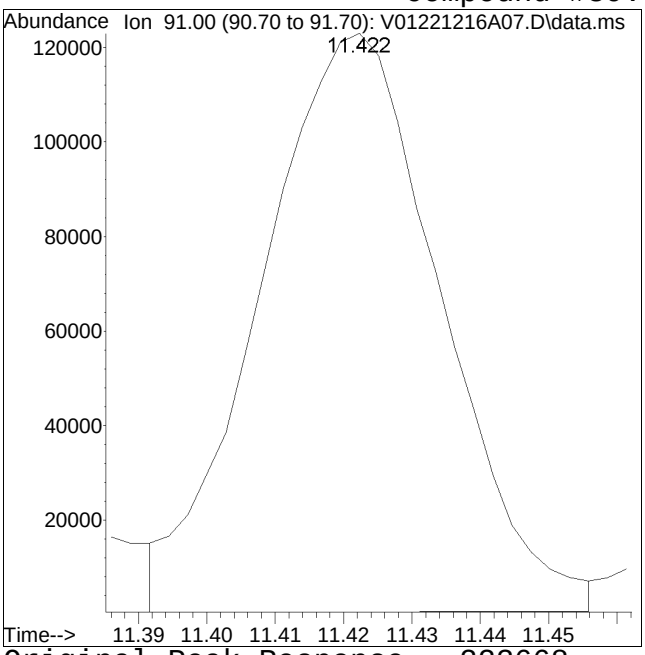


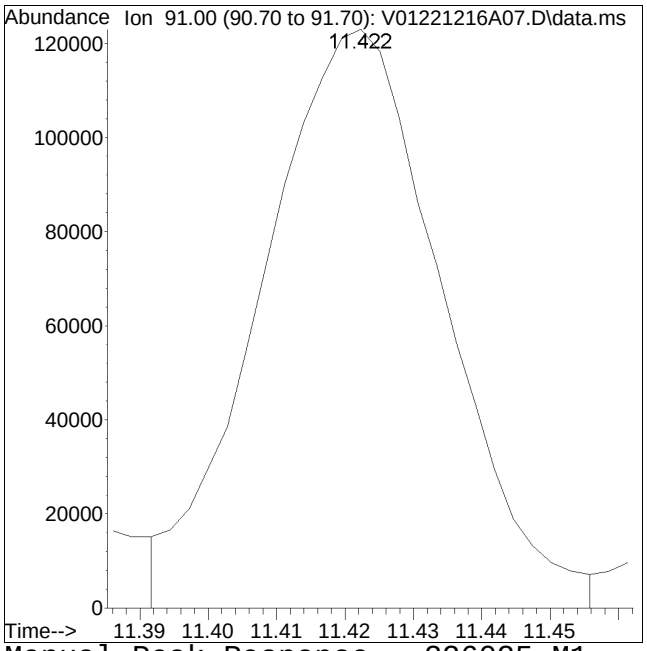
Original Peak Response = 11037 Manual Peak Response = 12277 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A07.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 2:46 pm Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 12/17/2022 9:40 am

Compound #89: 2-Chlorotoluene



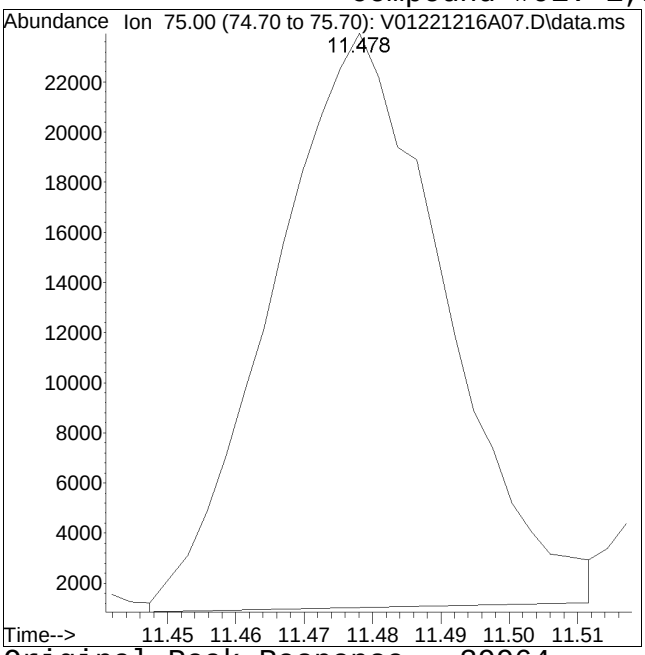


Original Peak Response = 223668 Manual Peak Response = 226025 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

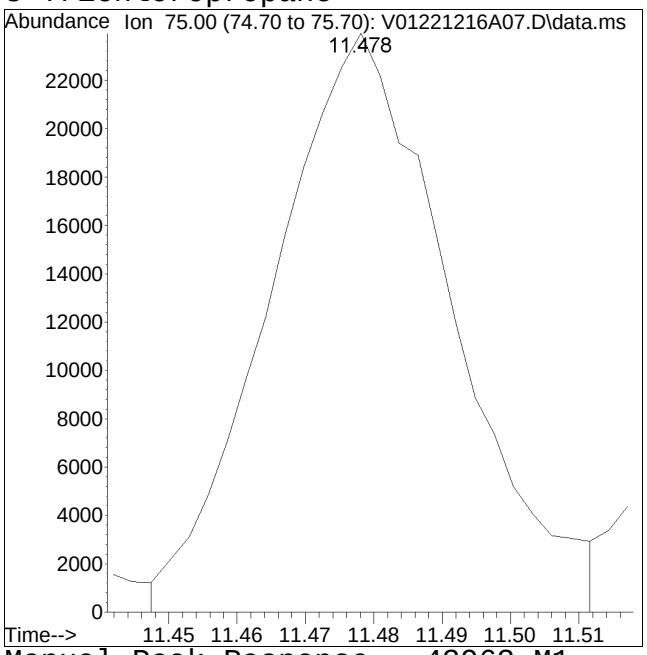
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A07.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 2:46 pm Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 12/17/2022 9:40 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 39964



Manual Peak Response = 43963 M1

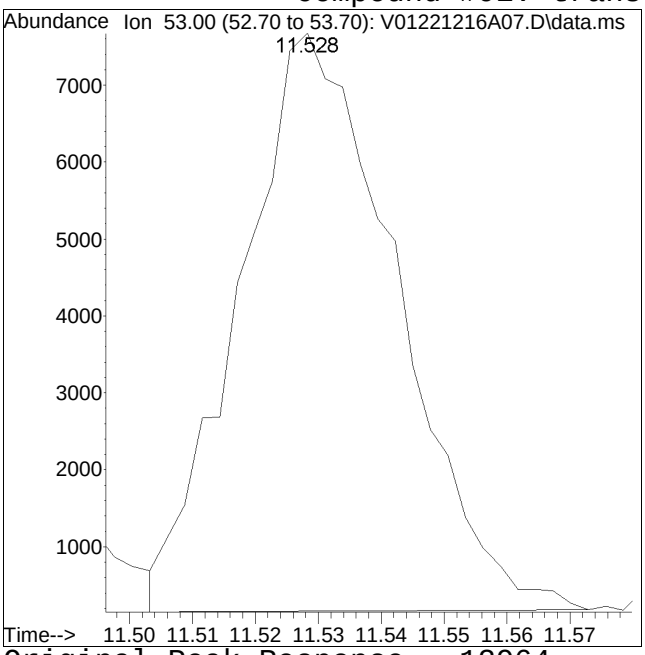
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

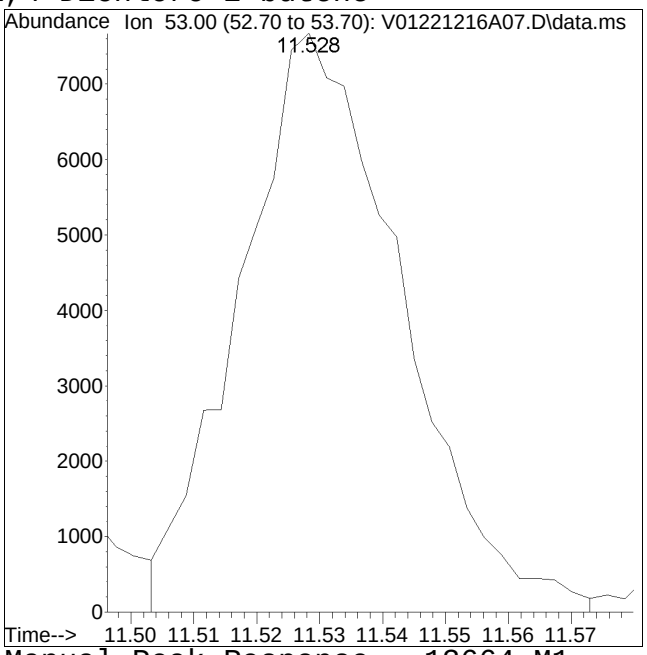
Data Path : I:\VOLATILES\VOA101\2022\2Q
Data File : V01221216A07.D
Date Inj'd : 12/16/2022 2:46 pm
Sample : I8260STD10PPB

Method : V101_221216A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 12/17/2022 9:40 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 12964



Manual Peak Response = 13664 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A08.D
Acq On : 16 Dec 2022 3:12 pm
Operator : VOA101:PID
Sample : I8260STD30PPB
Misc : WG1724555,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 17 09:50:09 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:49:04 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.085	96	314875	10.000 ug/L	0.00
Standard Area 1 = 298001			Recovery = 105.66%		
59) Chlorobenzene-d5	9.615	117	254745	10.000 ug/L	0.00
Standard Area 1 = 233183			Recovery = 109.25%		
79) 1,4-Dichlorobenzene-d4	12.301	152	143044	10.000 ug/L	0.00
Standard Area 1 = 124640			Recovery = 114.77%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.273	113	87592	10.118 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.18%		
43) 1,2-Dichloroethane-d4	5.800	65	94678	10.057 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.57%		
60) Toluene-d8	7.769	98	309278	9.582 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.82%		
83) 4-Bromofluorobenzene	11.102	95	114763	9.308 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.08%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.698	85	215709	33.045 ug/L	99
3) Chloromethane	1.891	50	245902	29.549 ug/L	98
4) Vinyl chloride	1.963	62	360715	32.403 ug/L	98
5) Bromomethane	2.281	94	223645	34.180 ug/L	97
6) Chloroethane	2.395	64	286376	29.339 ug/L	98
7) Trichlorofluoromethane	2.538	101	602339	32.789 ug/L	98
8) Ethyl ether	2.842	74	145023	30.093 ug/L	86
10) 1,1-Dichloroethene	3.026	96	335755	31.640 ug/L	95
11) Carbon disulfide	3.059	76	611876	30.705 ug/L	98
12) Freon-113	3.067	101	388722	34.421 ug/L #	61
13) Iodomethane	3.162	142	297385	31.908 ug/L	96
14) Acrolein	3.355	56	22856	36.278 ug/L	96
15) Methylene chloride	3.581	84	219792	30.575 ug/L	92
17) Acetone	3.628	43	44416M4	21.359 ug/L	
18) trans-1,2-Dichloroethene	3.734	96	225266	31.817 ug/L	97
19) Methyl acetate	3.745	43	102426	31.604 ug/L	94
20) Methyl tert-butyl ether	3.837	73	419434	31.650 ug/L	95
21) tert-Butyl alcohol	3.935	59	48338	187.086 ug/L	96
22) Diisopropyl ether	4.191	45	789671	32.794 ug/L	97
23) 1,1-Dichloroethane	4.317	63	423721	31.378 ug/L	100
24) Halothane	4.364	117	172253	32.597 ug/L	99

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A08.D
Acq On : 16 Dec 2022 3:12 pm
Operator : VOA101:PID
Sample : I8260STD30PPB
Misc : WG1724555,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 17 09:50:09 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:49:04 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.364	53	46114	37.546	ug/L		98
26) Ethyl tert-butyl ether	4.540	59	627171	33.207	ug/L		98
27) Vinyl acetate	4.548	43	418993	37.034	ug/L		97
28) cis-1,2-Dichloroethene	4.833	96	253546	31.817	ug/L		99
29) 2,2-Dichloropropane	4.933	77	332661	33.310	ug/L		94
30) Bromochloromethane	5.028	128	119623	31.878	ug/L		97
31) Cyclohexane	5.034	56	427524	37.805	ug/L		99
32) Chloroform	5.100	83	411961	30.597	ug/L		98
33) Ethyl acetate	5.209	43	149316	34.956	ug/L		96
34) Carbon tetrachloride	5.234	117	310077	35.018	ug/L		99
35) Tetrahydrofuran	5.254	42	43276M4	32.051	ug/L		
37) 1,1,1-Trichloroethane	5.301	97	355705	34.308	ug/L		99
39) 2-Butanone	5.390	43	63621	38.350	ug/L	#	49
40) 1,1-Dichloropropene	5.421	75	319377	34.979	ug/L		98
41) Benzene	5.667	78	910826	28.359	ug/L		98
42) tert-Amyl methyl ether	5.772	73	519306	33.942	ug/L		97
44) 1,2-Dichloroethane	5.870	62	288964	30.457	ug/L		99
47) Methyl cyclohexane	6.252	83	399472	38.998	ug/L		99
48) Trichloroethene	6.261	95	259954	28.368	ug/L		98
50) Dibromomethane	6.698	93	130016	32.216	ug/L		97
51) 1,2-Dichloropropane	6.801	63	237039	32.895	ug/L		99
54) Bromodichloromethane	6.874	83	296002	34.525	ug/L		100
57) 1,4-Dioxane	7.086	88	23876	622.927	ug/L	#	66
58) cis-1,3-Dichloropropene	7.563	75	351587	37.070	ug/L		92
61) Toluene	7.830	92	592801	31.560	ug/L		99
62) 4-Methyl-2-pentanone	8.260	58	48497	33.428	ug/L		84
63) Tetrachloroethene	8.277	166	257757	33.628	ug/L		96
65) trans-1,3-Dichloropropene	8.310	75	298647	37.421	ug/L		92
67) Ethyl methacrylate	8.494	69	195236	44.586	ug/L		99
68) 1,1,2-Trichloroethane	8.497	83	143849	31.374	ug/L		97
69) Chlorodibromomethane	8.709	129	201264	37.849	ug/L		98
70) 1,3-Dichloropropane	8.820	76	298036	31.510	ug/L		99
71) 1,2-Dibromoethane	8.985	107	171490	33.375	ug/L		100
72) 2-Hexanone	9.267	43	94075	36.780	ug/L		96
73) Chlorobenzene	9.638	112	685449	31.432	ug/L		95
74) Ethylbenzene	9.671	91	1192617	33.615	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.721	131	230634	36.999	ug/L		98
76) p/m Xylene	9.858	106	968632	73.152	ug/L		96
77) o Xylene	10.396	106	892144	72.051	ug/L		96
78) Styrene	10.463	104	1487772	77.908	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A08.D
Acq On : 16 Dec 2022 3:12 pm
Operator : VOA101:PID
Sample : I8260STD30PPB
Misc : WG1724555,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 17 09:50:09 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:49:04 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80)	Bromoform	10.488	173	119345	44.924	ug/L	100
82)	Isopropylbenzene	10.775	105	1211184	33.759	ug/L	99
84)	Bromobenzene	11.213	156	280728	31.732	ug/L	99
85)	n-Propylbenzene	11.252	91	1433658	33.859	ug/L	100
86)	1,4-Dichlorobutane	11.269	55	277313	31.510	ug/L	97
87)	1,1,2,2-Tetrachloroethane	11.339	83	199451	30.495	ug/L	99
88)	4-Ethyltoluene	11.378	105	1169805	34.826	ug/L	99
89)	2-Chlorotoluene	11.422	91	817964M1	32.257	ug/L	
90)	1,3,5-Trimethylbenzene	11.475	105	986475	35.067	ug/L	99
91)	1,2,3-Trichloropropane	11.478	75	165365M1	32.437	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.528	53	54270M1	32.478	ug/L	
93)	4-Chlorotoluene	11.604	91	823652	33.039	ug/L	97
94)	tert-Butylbenzene	11.813	119	819431	34.849	ug/L	99
97)	1,2,4-Trimethylbenzene	11.891	105	953659	34.899	ug/L	100
98)	sec-Butylbenzene	12.002	105	1183801	35.571	ug/L	99
99)	p-Isopropyltoluene	12.156	119	1001601	36.947	ug/L	99
100)	1,3-Dichlorobenzene	12.225	146	542046	33.760	ug/L	99
101)	1,4-Dichlorobenzene	12.317	146	539491	31.201	ug/L	98
102)	p-Diethylbenzene	12.527	119	560503	37.137	ug/L	100
103)	n-Butylbenzene	12.585	91	815299	36.133	ug/L	98
104)	1,2-Dichlorobenzene	12.739	146	481188	32.684	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.316	119	744674	36.755	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.514	155	25411	50.930	ug/L	98
107)	1,3,5-Trichlorobenzene	13.547	180	269821	33.454	ug/L	98
108)	Hexachlorobutadiene	14.122	225	88661	34.195	ug/L	99
109)	1,2,4-Trichlorobenzene	14.144	180	226268	32.962	ug/L	98
110)	Naphthalene	14.434	128	520971	35.546	ug/L	100
111)	1,2,3-Trichlorobenzene	14.604	180	186198	32.418	ug/L	99

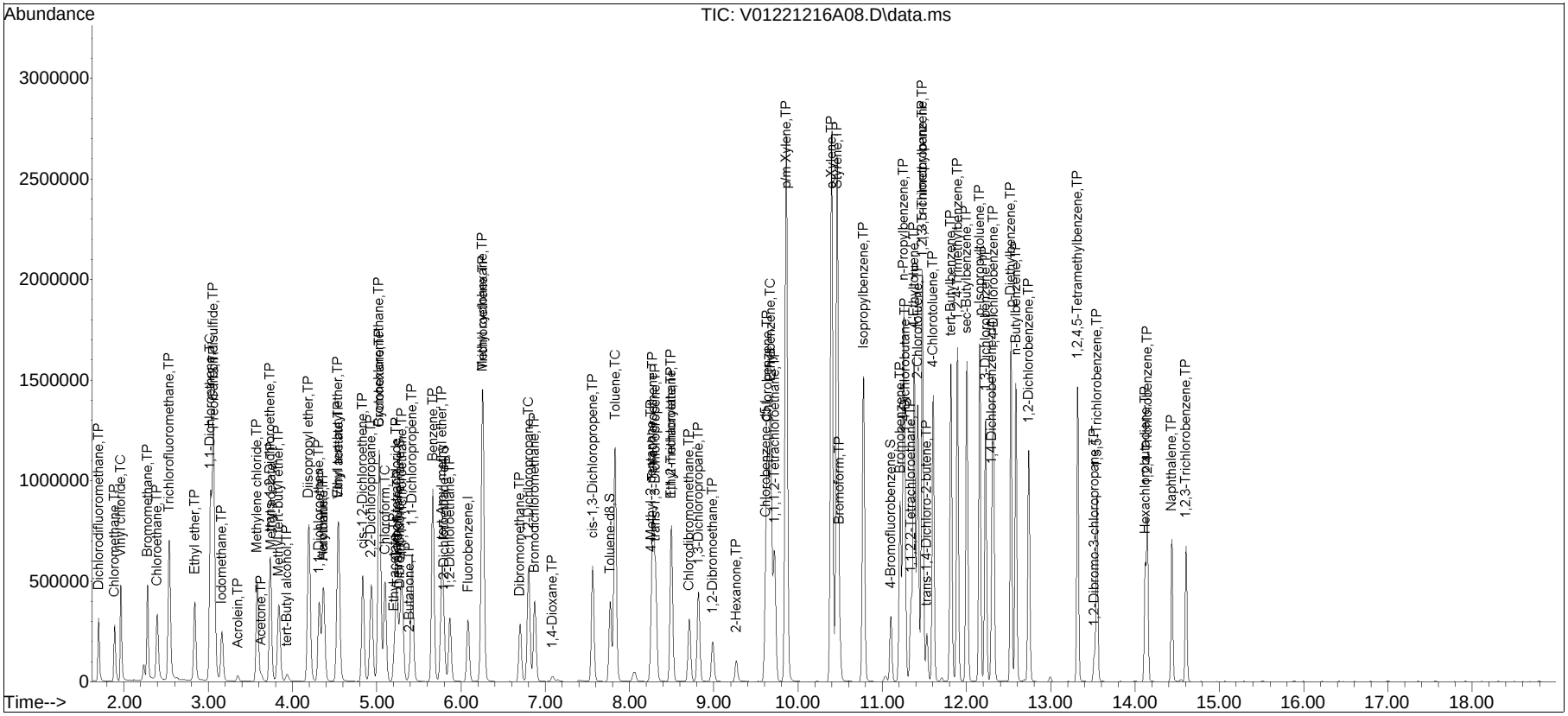
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A08.D
Acq On : 16 Dec 2022 3:12 pm
Operator : VOA101:PID
Sample : I8260STD30PPB
Misc : WG1724555,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 17 09:50:09 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:49:04 2022
Response via : Initial Calibration

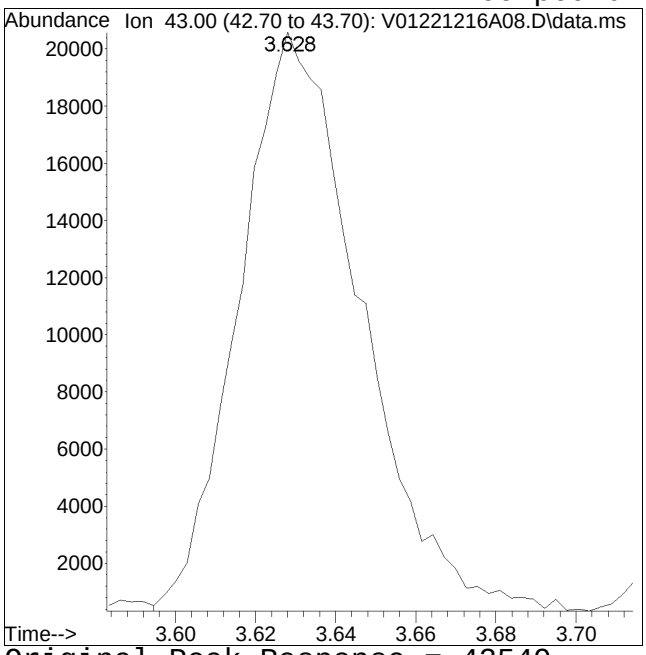
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVEV01221216A07.D•



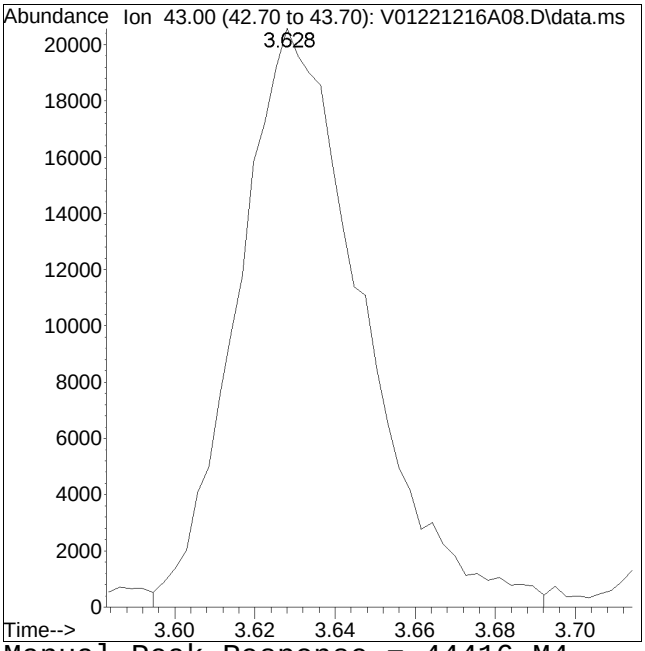
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A08.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 3:12 pm Instrument : VOA 101
Sample : I8260STD30PPB Quant Date : 12/17/2022 9:49 am

Compound #17: Acetone



Original Peak Response = 42549



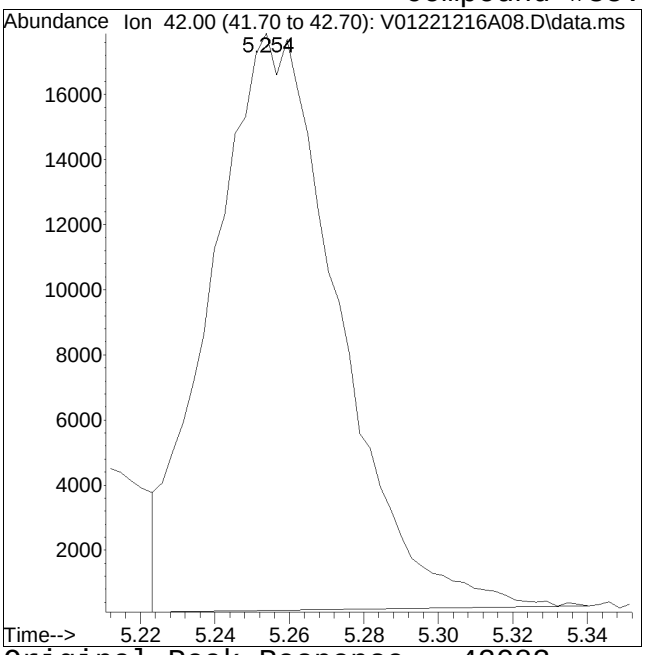
Manual Peak Response = 44416 M4

M4 = Poor automated baseline construction.

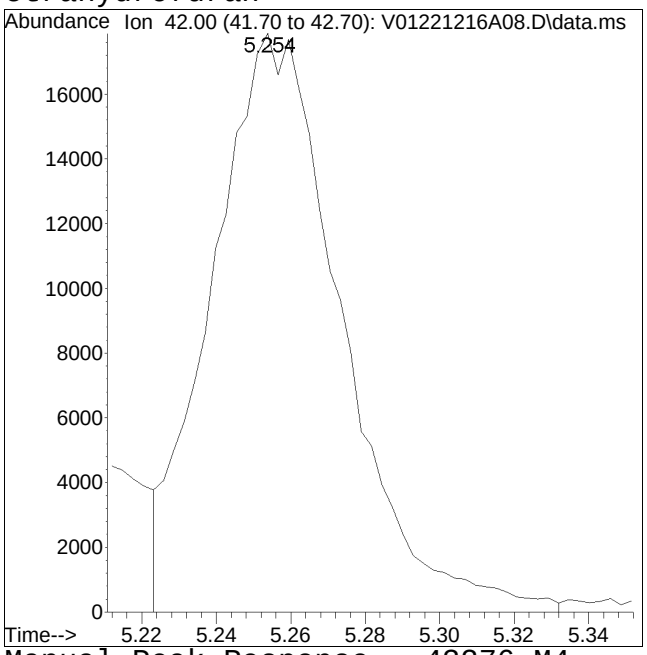
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A08.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 3:12 pm Instrument : VOA 101
Sample : I8260STD30PPB Quant Date : 12/17/2022 9:49 am

Compound #35: Tetrahydrofuran



Original Peak Response = 42083



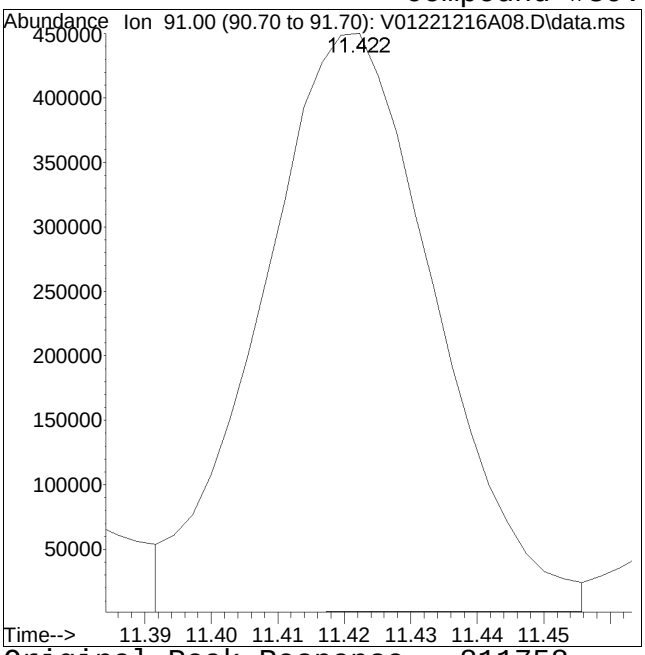
Manual Peak Response = 43276 M4

M4 = Poor automated baseline construction.

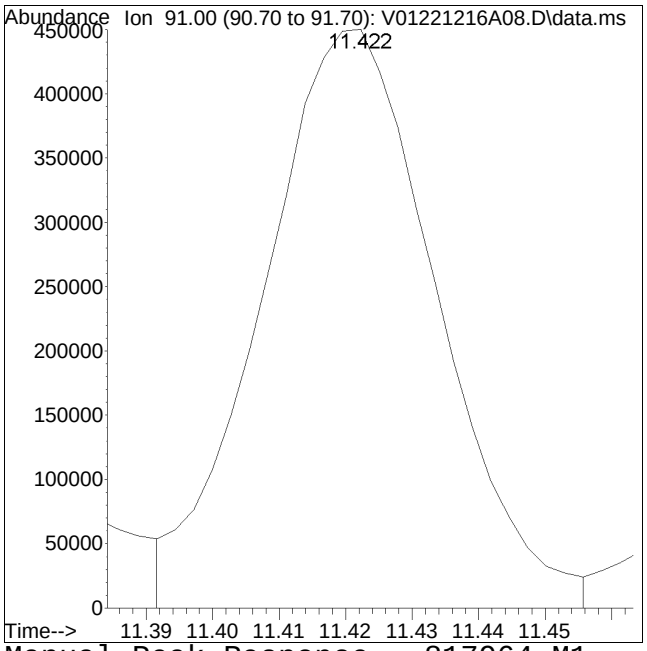
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A08.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 3:12 pm Instrument : VOA 101
Sample : I8260STD30PPB Quant Date : 12/17/2022 9:49 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 811758



Manual Peak Response = 817964 M1

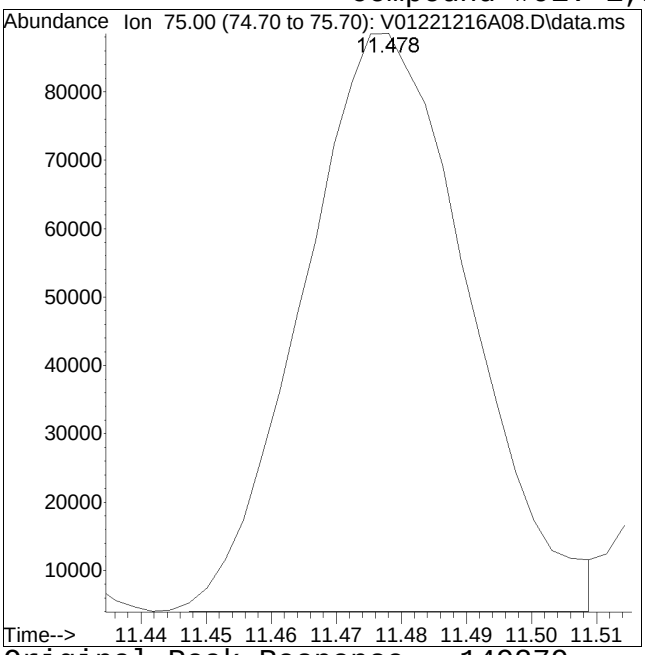
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

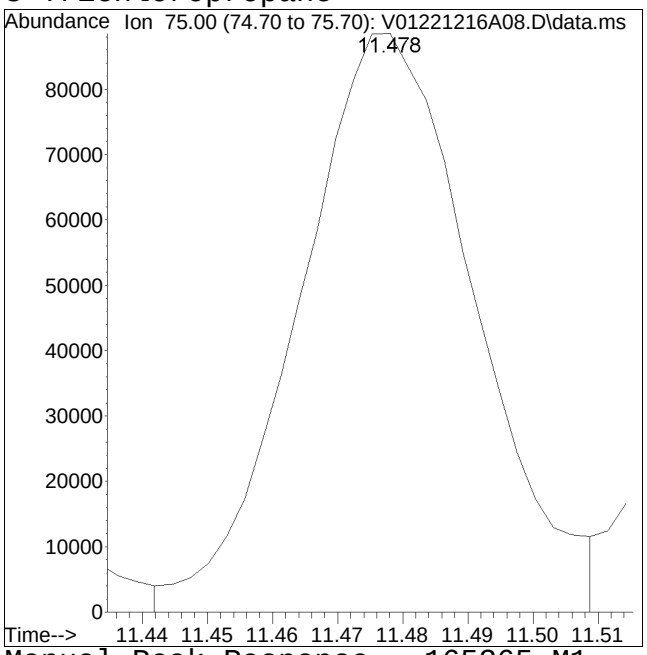
Data Path : I:\VOLATILES\VOA101\2022\2Q
Data File : V01221216A08.D
Date Inj'd : 12/16/2022 3:12 pm
Sample : I8260STD30PPB

Method : V101_221216A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 12/17/2022 9:49 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 149279



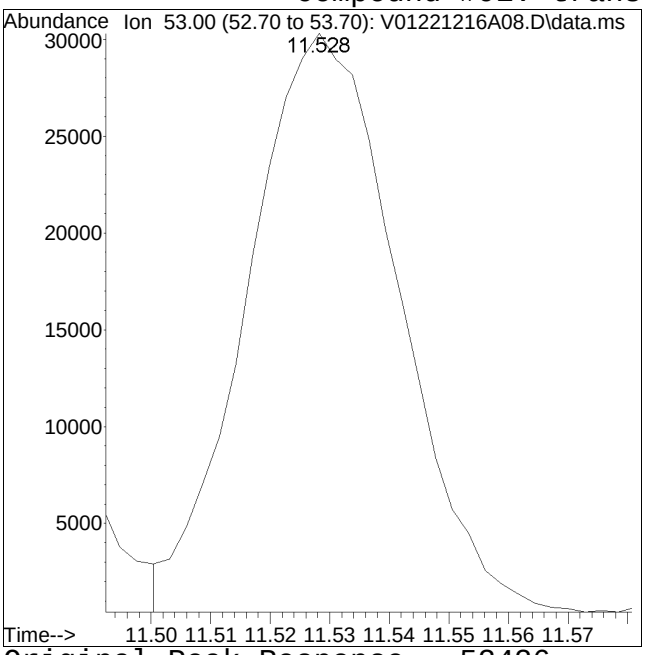
Manual Peak Response = 165365 M1

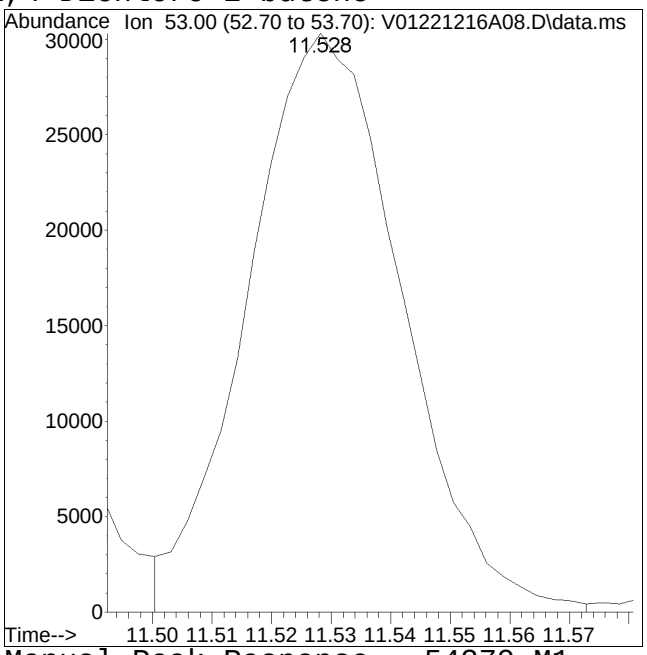
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A08.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 3:12 pm Instrument : VOA 101
Sample : I8260STD30PPB Quant Date : 12/17/2022 9:49 am

Compound #92: trans-1,4-Dichloro-2-butene





Original Peak Response = 52426 Manual Peak Response = 54270 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A09.D
Acq On : 16 Dec 2022 3:39 pm
Operator : VOA101:PID
Sample : I8260STD80PPB
Misc : WG1724555,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 17 09:52:32 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:51:05 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.085	96	333294	10.000	ug/L	0.00
Standard Area 1 = 298001			Recovery = 111.84%			
59) Chlorobenzene-d5	9.618	117	276971	10.000	ug/L	0.00
Standard Area 1 = 233183			Recovery = 118.78%			
79) 1,4-Dichlorobenzene-d4	12.304	152	156885	10.000	ug/L	0.00
Standard Area 1 = 124640			Recovery = 125.87%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.273	113	94266	10.263	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.63%			
43) 1,2-Dichloroethane-d4	5.800	65	103134	10.338	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.38%			
60) Toluene-d8	7.772	98	330358	9.493	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.93%			
83) 4-Bromofluorobenzene	11.099	95	122408	9.179	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.79%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.698	85	634423	89.545	ug/L	100
3) Chloromethane	1.888	50	692399	78.902	ug/L	99
4) Vinyl chloride	1.963	62	1020240	85.218	ug/L	99
5) Bromomethane	2.281	94	737544	102.907	ug/L	97
6) Chloroethane	2.390	64	794242	77.298	ug/L	98
7) Trichlorofluoromethane	2.538	101	1791682	90.049	ug/L	98
8) Ethyl ether	2.839	74	401759	78.698	ug/L	86
10) 1,1-Dichloroethene	3.028	96	984911	86.501	ug/L	95
11) Carbon disulfide	3.059	76	1775853	83.700	ug/L	98
12) Freon-113	3.062	101	1141874	92.130	ug/L #	60
13) Iodomethane	3.160	142	1052592	105.026	ug/L	96
14) Acrolein	3.349	56	67223	95.791	ug/L	97
15) Methylene chloride	3.581	84	623234	81.516	ug/L	92
17) Acetone	3.628	43	111661M4	54.664	ug/L	
18) trans-1,2-Dichloroethene	3.734	96	666832	87.653	ug/L	97
19) Methyl acetate	3.742	43	296019	84.779	ug/L	94
20) Methyl tert-butyl ether	3.837	73	1221226	85.880	ug/L	97
21) tert-Butyl alcohol	3.935	59	151768	512.685	ug/L	93
22) Diisopropyl ether	4.194	45	2303875	88.333	ug/L	98
23) 1,1-Dichloroethane	4.317	63	1232485	85.247	ug/L	100
24) Halothane	4.367	117	521104	91.190	ug/L	99

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A09.D
Acq On : 16 Dec 2022 3:39 pm
Operator : VOA101:PID
Sample : I8260STD80PPB
Misc : WG1724555,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 17 09:52:32 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:51:05 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.361	53	133134	96.349	ug/L	98
26) Ethyl tert-butyl ether	4.540	59	1850348	90.148	ug/L	97
27) Vinyl acetate	4.548	43	1339113	103.714	ug/L	98
28) cis-1,2-Dichloroethene	4.833	96	736979	86.069	ug/L	97
29) 2,2-Dichloropropane	4.936	77	991006	91.231	ug/L	95
30) Bromochloromethane	5.025	128	336374	83.381	ug/L	98
31) Cyclohexane	5.034	56	1302895	102.198	ug/L	99
32) Chloroform	5.098	83	1189067	83.020	ug/L	98
33) Ethyl acetate	5.206	43	438374	91.895	ug/L	96
34) Carbon tetrachloride	5.237	117	983730	101.558	ug/L	99
35) Tetrahydrofuran	5.254	42	118178	80.846	ug/L	96
37) 1,1,1-Trichloroethane	5.298	97	1060416	93.276	ug/L	100
39) 2-Butanone	5.390	43	177394	92.445	ug/L	86
40) 1,1-Dichloropropene	5.421	75	940472	93.434	ug/L	98
41) Benzene	5.664	78	2648398	78.764	ug/L	98
42) tert-Amyl methyl ether	5.775	73	1517436	90.719	ug/L	98
44) 1,2-Dichloroethane	5.865	62	807997	80.152	ug/L	100
47) Methyl cyclohexane	6.252	83	1209967	103.809	ug/L	99
48) Trichloroethene	6.261	95	766701	79.913	ug/L	97
50) Dibromomethane	6.701	93	368887	84.787	ug/L	98
51) 1,2-Dichloropropane	6.802	63	683193	87.459	ug/L	99
54) Bromodichloromethane	6.874	83	866656	92.029	ug/L	100
57) 1,4-Dioxane	7.086	88	36046	880.064	ug/L	96
58) cis-1,3-Dichloropropene	7.563	75	1033805	97.248	ug/L	93
61) Toluene	7.828	92	1768933	85.507	ug/L	99
62) 4-Methyl-2-pentanone	8.260	58	150694	92.030	ug/L	88
63) Tetrachloroethene	8.279	166	784154	91.333	ug/L	97
65) trans-1,3-Dichloropropene	8.310	75	902849	97.991	ug/L	93
67) Ethyl methacrylate	8.494	69	610382	114.313	ug/L	98
68) 1,1,2-Trichloroethane	8.497	83	417338	82.771	ug/L	97
69) Chlorodibromomethane	8.712	129	628721	102.071	ug/L	98
70) 1,3-Dichloropropane	8.820	76	853276	81.942	ug/L	100
71) 1,2-Dibromoethane	8.988	107	498274	86.752	ug/L	100
72) 2-Hexanone	9.264	43	287043	95.987	ug/L	95
73) Chlorobenzene	9.638	112	2061965	85.941	ug/L	95
74) Ethylbenzene	9.674	91	3633719	91.446	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.721	131	723733	100.902	ug/L	97
76) p/m Xylene	9.861	106	3062196	201.652	ug/L	95
77) o Xylene	10.399	106	2821680	199.575	ug/L	96
78) Styrene	10.466	104	4730624	212.022	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A09.D
Acq On : 16 Dec 2022 3:39 pm
Operator : VOA101:PID
Sample : I8260STD80PPB
Misc : WG1724555,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 17 09:52:32 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:51:05 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80)	Bromoform	10.494	173	406403	124.053	ug/L	100
82)	Isopropylbenzene	10.778	105	3736175	92.066	ug/L	99
84)	Bromobenzene	11.213	156	844054	85.753	ug/L	99
85)	n-Propylbenzene	11.255	91	4417683	92.164	ug/L	100
86)	1,4-Dichlorobutane	11.269	55	832622	85.190	ug/L	96
87)	1,1,2,2-Tetrachloroethane	11.341	83	590098	81.924	ug/L	99
88)	4-Ethyltoluene	11.378	105	3565296	93.035	ug/L	99
89)	2-Chlorotoluene	11.422	91	2428900M1	85.723	ug/L	
90)	1,3,5-Trimethylbenzene	11.478	105	3034658	94.373	ug/L	99
91)	1,2,3-Trichloropropane	11.478	75	496911M1	87.103	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.528	53	161648	85.841	ug/L	86
93)	4-Chlorotoluene	11.604	91	2466531	87.982	ug/L	97
94)	tert-Butylbenzene	11.815	119	2509565	93.532	ug/L	98
97)	1,2,4-Trimethylbenzene	11.891	105	2922978	93.704	ug/L	99
98)	sec-Butylbenzene	12.005	105	3620540	94.792	ug/L	99
99)	p-Isopropyltoluene	12.156	119	3090464	98.255	ug/L	99
100)	1,3-Dichlorobenzene	12.225	146	1629614	89.730	ug/L	99
101)	1,4-Dichlorobenzene	12.317	146	1625791	84.881	ug/L	98
102)	p-Diethylbenzene	12.527	119	1722040	98.191	ug/L	99
103)	n-Butylbenzene	12.585	91	2459513	94.554	ug/L	98
104)	1,2-Dichlorobenzene	12.739	146	1445956	87.590	ug/L	98
105)	1,2,4,5-Tetramethylben...	13.319	119	2328213	99.192	ug/L	100
106)	1,2-Dibromo-3-chloropr...	13.514	155	82602	128.531	ug/L	100
107)	1,3,5-Trichlorobenzene	13.547	180	813732	89.418	ug/L	98
108)	Hexachlorobutadiene	14.119	225	264763	89.960	ug/L	99
109)	1,2,4-Trichlorobenzene	14.144	180	669634	86.802	ug/L	99
110)	Naphthalene	14.437	128	1579505	93.922	ug/L	100
111)	1,2,3-Trichlorobenzene	14.604	180	556768	86.638	ug/L	99

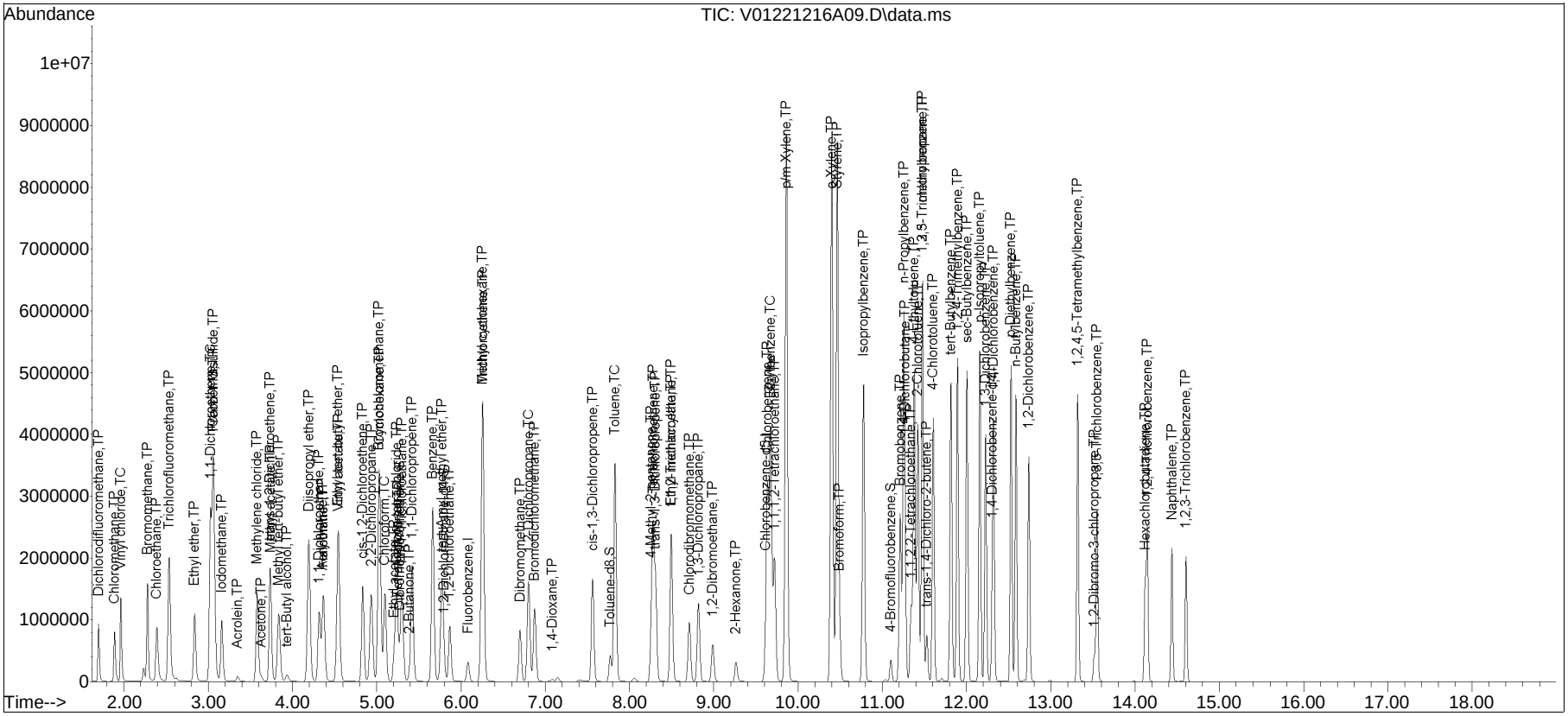
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A09.D
Acq On : 16 Dec 2022 3:39 pm
Operator : VOA101:PID
Sample : I8260STD80PPB
Misc : WG1724555,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 17 09:52:32 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:51:05 2022
Response via : Initial Calibration

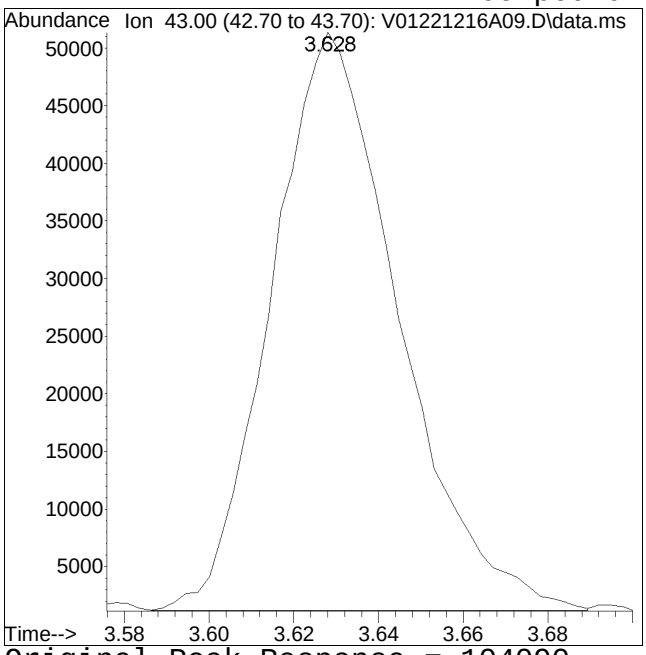
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVEV01221216A07.D•



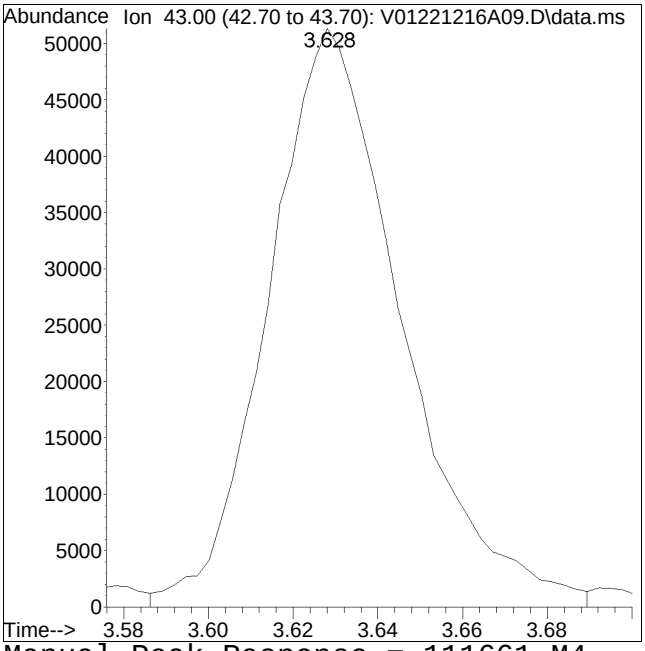
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A09.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 3:39 pm Instrument : VOA 101
Sample : I8260STD80PPB Quant Date : 12/17/2022 9:51 am

Compound #17: Acetone



Original Peak Response = 104090



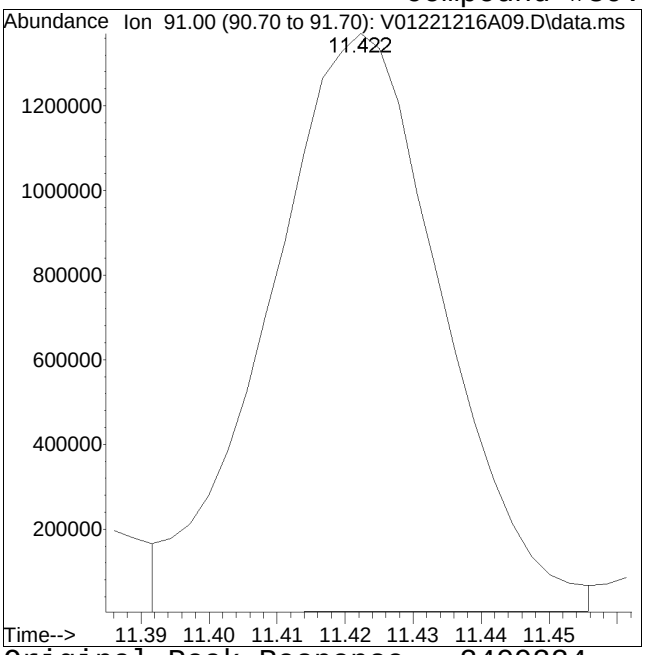
Manual Peak Response = 111661 M4

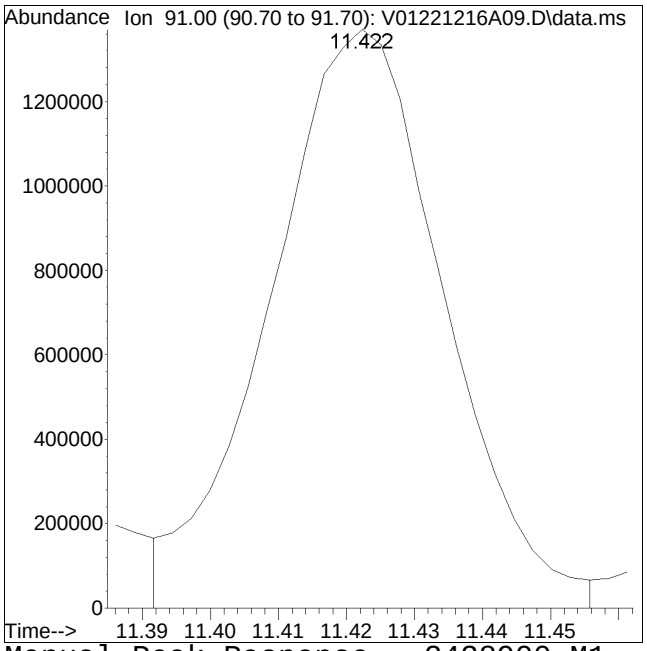
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A09.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 3:39 pm Instrument : VOA 101
Sample : I8260STD80PPB Quant Date : 12/17/2022 9:51 am

Compound #89: 2-Chlorotoluene



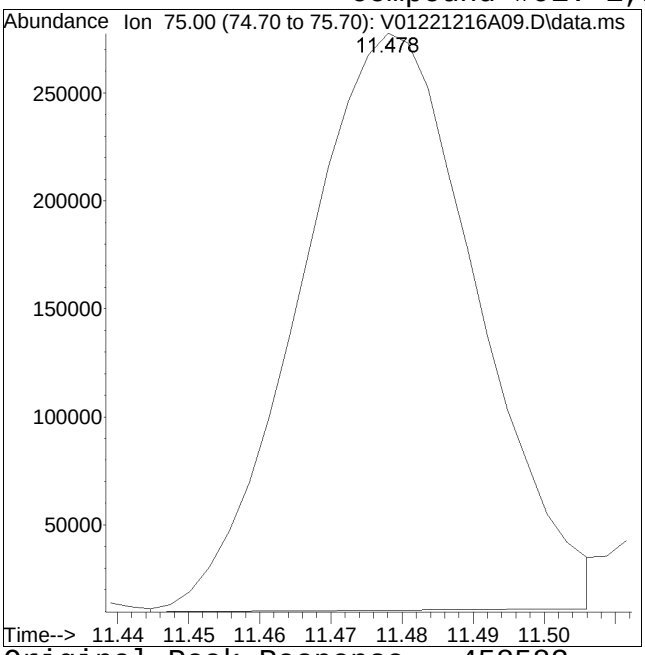


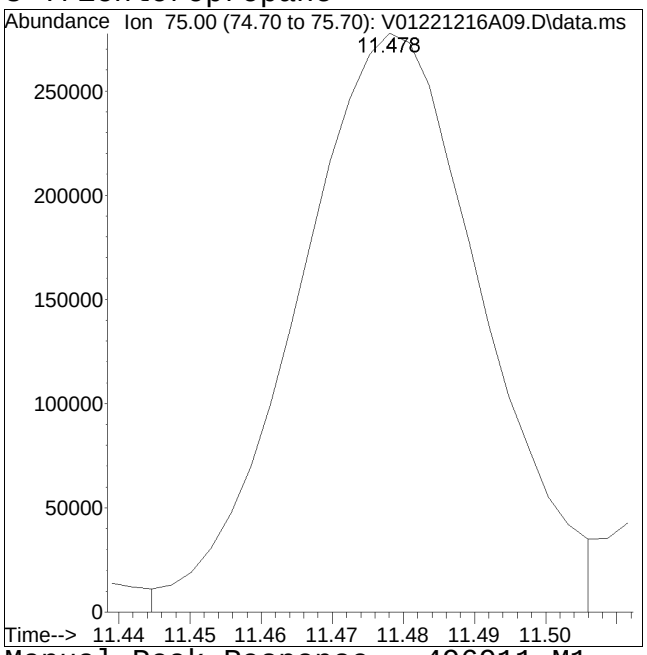
Original Peak Response = 2409324 Manual Peak Response = 2428900 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A09.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 3:39 pm Instrument : VOA 101
Sample : I8260STD80PPB Quant Date : 12/17/2022 9:51 am

Compound #91: 1,2,3-Trichloropropane





Original Peak Response = 458583 Manual Peak Response = 496911 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A10.D
Acq On : 16 Dec 2022 4:05 pm
Operator : VOA101:PID
Sample : I8260STD120PPB
Misc : WG1724555,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 17 09:53:35 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:51:05 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.085	96	347911	10.000	ug/L	0.00
Standard Area 1 = 298001			Recovery = 116.75%			
59) Chlorobenzene-d5	9.618	117	296565	10.000	ug/L	0.00
Standard Area 1 = 233183			Recovery = 127.18%			
79) 1,4-Dichlorobenzene-d4	12.304	152	168487	10.000	ug/L	0.00
Standard Area 1 = 124640			Recovery = 135.18%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.273	113	98375	10.215	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.15%			
43) 1,2-Dichloroethane-d4	5.800	65	109069	10.415	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.15%			
60) Toluene-d8	7.769	98	343214	9.290	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.90%			
83) 4-Bromofluorobenzene	11.102	95	128371	9.088	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.698	85	1025803	135.470	ug/L	100
3) Chloromethane	1.888	50	1092757	119.621	ug/L	99
4) Vinyl chloride	1.963	62	1599727	126.630	ug/L	99
5) Bromomethane	2.281	94	1259887	159.281	ug/L	97
6) Chloroethane	2.387	64	1223069	114.807	ug/L	98
7) Trichlorofluoromethane	2.535	101	2927929	137.519	ug/L	98
8) Ethyl ether	2.839	74	637504	120.021	ug/L	87
10) 1,1-Dichloroethene	3.026	96	1596331	132.162	ug/L	96
11) Carbon disulfide	3.056	76	2860667	127.981	ug/L	98
12) Freon-113	3.062	101	1864769	139.892	ug/L #	60
13) Iodomethane	3.165	142	1305032	117.398	ug/L	97
14) Acrolein	3.349	56	106695	140.118	ug/L	96
15) Methylene chloride	3.581	84	989589	123.527	ug/L	92
17) Acetone	3.628	43	176008	88.128	ug/L	90
18) trans-1,2-Dichloroethene	3.737	96	1080930	133.561	ug/L	97
19) Methyl acetate	3.742	43	473662	128.043	ug/L	94
20) Methyl tert-butyl ether	3.837	73	1954216	129.745	ug/L	97
21) tert-Butyl alcohol	3.938	59	248101	750.068	ug/L	94
22) Diisopropyl ether	4.194	45	3691250	132.813	ug/L	98
23) 1,1-Dichloroethane	4.314	63	1967386	128.673	ug/L	100
24) Halothane	4.367	117	847807	138.260	ug/L	99

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A10.D
Acq On : 16 Dec 2022 4:05 pm
Operator : VOA101:PID
Sample : I8260STD120PPB
Misc : WG1724555,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 17 09:53:35 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:51:05 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.361	53	213888	142.465	ug/L		97
26) Ethyl tert-butyl ether	4.540	59	3016062	137.284	ug/L		97
27) Vinyl acetate	4.548	43	2214303	152.957	ug/L		98
28) cis-1,2-Dichloroethene	4.833	96	1185593	130.661	ug/L		97
29) 2,2-Dichloropropane	4.936	77	1596531	136.954	ug/L		96
30) Bromochloromethane	5.025	128	540376	127.246	ug/L		99
31) Cyclohexane	5.031	56	2130437	151.672	ug/L		99
32) Chloroform	5.098	83	1899415	126.093	ug/L		98
33) Ethyl acetate	5.204	43	700722	135.675	ug/L		96
34) Carbon tetrachloride	5.234	117	1640551	155.277	ug/L		99
35) Tetrahydrofuran	5.251	42	181887	118.888	ug/L		91
37) 1,1,1-Trichloroethane	5.301	97	1709997	139.466	ug/L		99
39) 2-Butanone	5.390	43	274509	131.914	ug/L	#	43
40) 1,1-Dichloropropene	5.421	75	1507572	138.820	ug/L		98
41) Benzene	5.667	78	4257205	121.605	ug/L		98
42) tert-Amyl methyl ether	5.775	73	2458177	137.112	ug/L		99
44) 1,2-Dichloroethane	5.867	62	1274001	121.023	ug/L		100
47) Methyl cyclohexane	6.255	83	1998985	155.068	ug/L		99
48) Trichloroethene	6.261	95	1276524	127.485	ug/L		97
50) Dibromomethane	6.701	93	584044	127.079	ug/L		99
51) 1,2-Dichloropropane	6.802	63	1080374	130.069	ug/L		99
54) Bromodichloromethane	6.874	83	1393161	137.585	ug/L		100
57) 1,4-Dioxane	7.092	88	56321M1	1291.456	ug/L		
58) cis-1,3-Dichloropropene	7.563	75	1679710	145.111	ug/L		93
61) Toluene	7.828	92	2879693	128.237	ug/L		100
62) 4-Methyl-2-pentanone	8.260	58	241637	132.826	ug/L		91
63) Tetrachloroethene	8.280	166	1291706	136.638	ug/L		97
65) trans-1,3-Dichloropropene	8.310	75	1457635	141.393	ug/L		92
67) Ethyl methacrylate	8.494	69	1006457	162.129	ug/L		96
68) 1,1,2-Trichloroethane	8.497	83	667532	122.795	ug/L		96
69) Chlorodibromomethane	8.712	129	1023783	147.110	ug/L		97
70) 1,3-Dichloropropane	8.821	76	1342625	119.835	ug/L		99
71) 1,2-Dibromoethane	8.988	107	798983	127.759	ug/L		99
72) 2-Hexanone	9.264	43	448904	133.525	ug/L		96
73) Chlorobenzene	9.638	112	3363803	129.022	ug/L		94
74) Ethylbenzene	9.674	91	5957154	136.117	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.721	131	1182922	146.376	ug/L		97
76) p/m Xylene	9.863	106	5213449	304.766	ug/L		94
77) o Xylene	10.402	106	4797028	301.936	ug/L		96
78) Styrene	10.466	104	7962118	312.929	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A10.D
Acq On : 16 Dec 2022 4:05 pm
Operator : VOA101:PID
Sample : I8260STD120PPB
Misc : WG1724555,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 17 09:53:35 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:51:05 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Bromoform	10.491	173	680062	174.116	ug/L	100
82) Isopropylbenzene	10.778	105	6134453	136.633	ug/L	99
84) Bromobenzene	11.213	156	1364928	127.292	ug/L	99
85) n-Propylbenzene	11.255	91	7283950	137.322	ug/L	100
86) 1,4-Dichlorobutane	11.269	55	1339506	125.979	ug/L	96
87) 1,1,2,2-Tetrachloroethane	11.341	83	920439	118.417	ug/L	99
88) 4-Ethyltoluene	11.380	105	5848945	137.631	ug/L	99
89) 2-Chlorotoluene	11.422	91	3890699M1	126.055	ug/L	
90) 1,3,5-Trimethylbenzene	11.478	105	5052687	141.235	ug/L	99
91) 1,2,3-Trichloropropane	11.478	75	819328M4	131.396	ug/L	
92) trans-1,4-Dichloro-2-b...	11.528	53	252729	122.726	ug/L	89
93) 4-Chlorotoluene	11.606	91	4020906	130.938	ug/L	96
94) tert-Butylbenzene	11.816	119	4135844	138.832	ug/L	98
97) 1,2,4-Trimethylbenzene	11.894	105	4787594	138.177	ug/L	99
98) sec-Butylbenzene	12.005	105	5944294	139.748	ug/L	99
99) p-Isopropyltoluene	12.159	119	5111626	144.718	ug/L	99
100) 1,3-Dichlorobenzene	12.225	146	2646831	132.482	ug/L	99
101) 1,4-Dichlorobenzene	12.320	146	2645172	127.042	ug/L	98
102) p-Diethylbenzene	12.527	119	2845072	144.485	ug/L	99
103) n-Butylbenzene	12.588	91	4003806	138.292	ug/L	98
104) 1,2-Dichlorobenzene	12.741	146	2323606	128.621	ug/L	98
105) 1,2,4,5-Tetramethylben...	13.319	119	3848799	145.694	ug/L	100
106) 1,2-Dibromo-3-chloropr...	13.514	155	132316	170.967	ug/L	99
107) 1,3,5-Trichlorobenzene	13.547	180	1327219	132.676	ug/L	98
108) Hexachlorobutadiene	14.119	225	434354	134.082	ug/L	98
109) 1,2,4-Trichlorobenzene	14.144	180	1091067	129.489	ug/L	99
110) Naphthalene	14.437	128	2507353	134.159	ug/L	100
111) 1,2,3-Trichlorobenzene	14.604	180	899300	128.176	ug/L	99

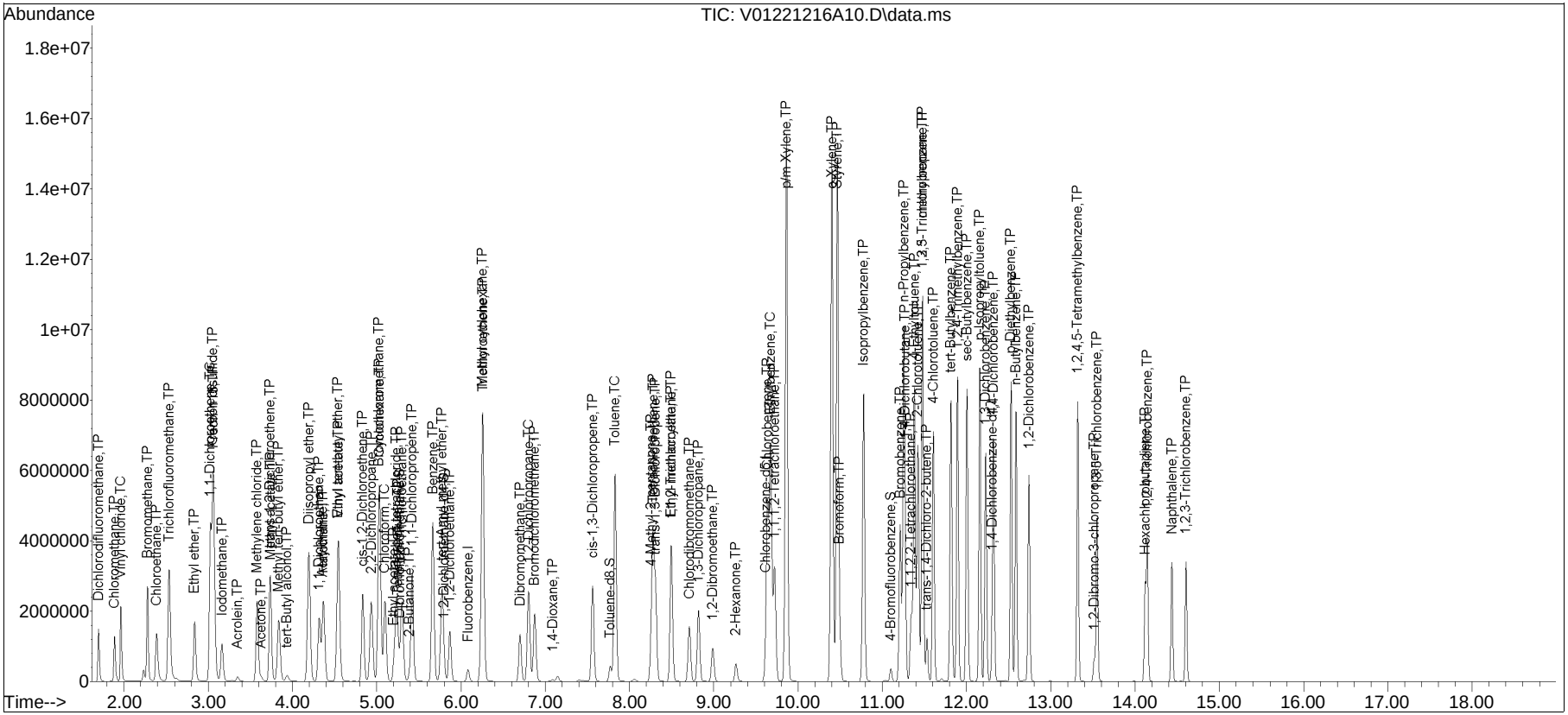
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A10.D
Acq On : 16 Dec 2022 4:05 pm
Operator : VOA101:PID
Sample : I8260STD120PPB
Misc : WG1724555,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 17 09:53:35 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:51:05 2022
Response via : Initial Calibration

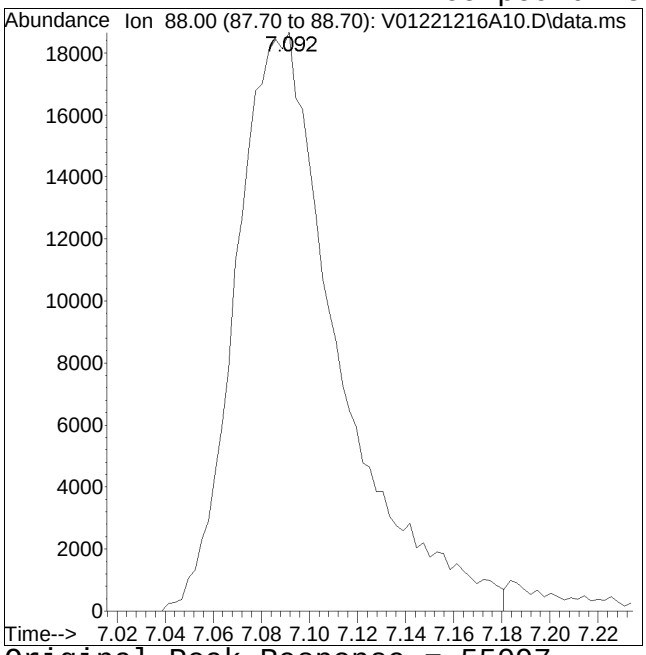
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVEV01221216A07.D•

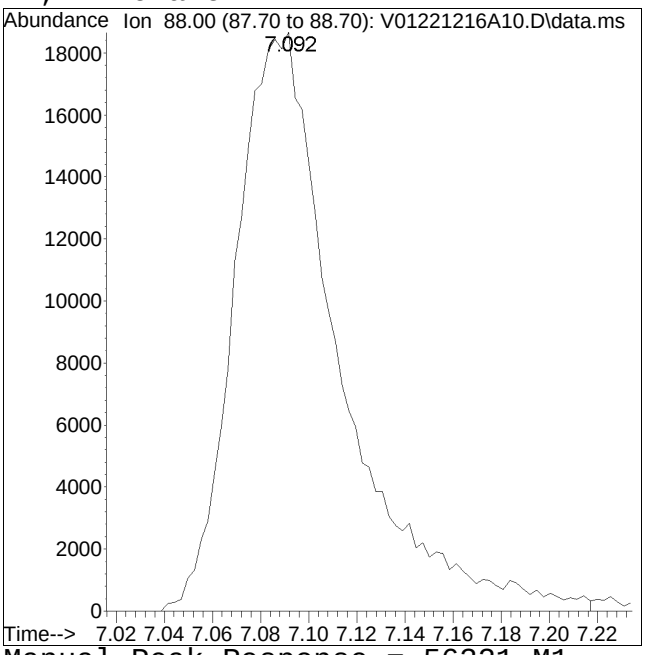


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A10.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 4:05 pm Instrument : VOA 101
Sample : I8260STD120PPB Quant Date : 12/17/2022 9:52 am

Compound #57: 1,4-Dioxane



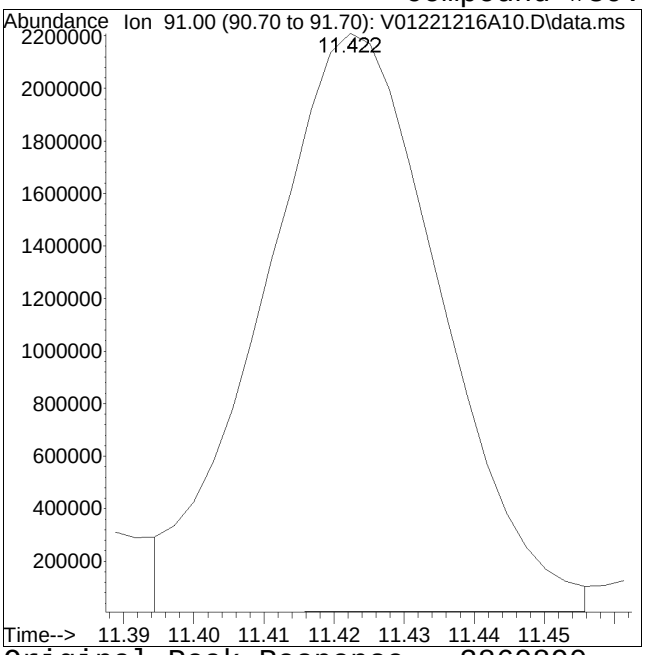


Original Peak Response = 55097 Manual Peak Response = 56321 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

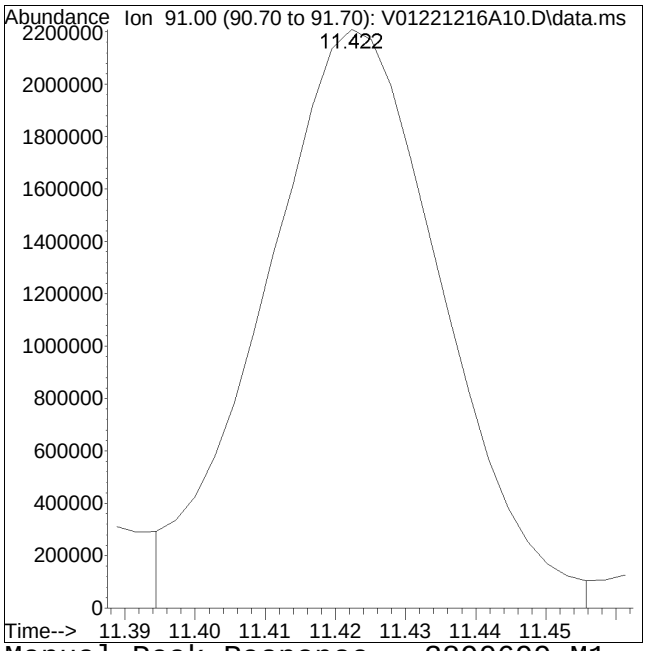
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A10.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 4:05 pm Instrument : VOA 101
Sample : I8260STD120PPB Quant Date : 12/17/2022 9:52 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 3860890



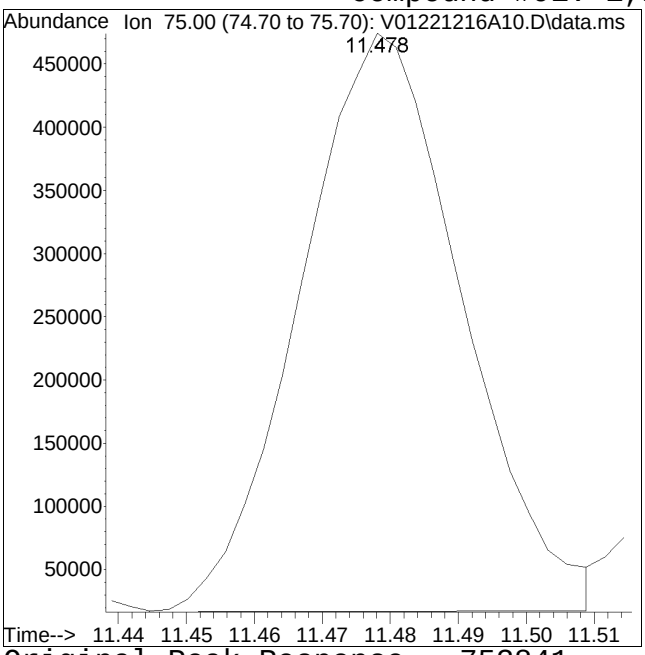
Manual Peak Response = 3890699 M1

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

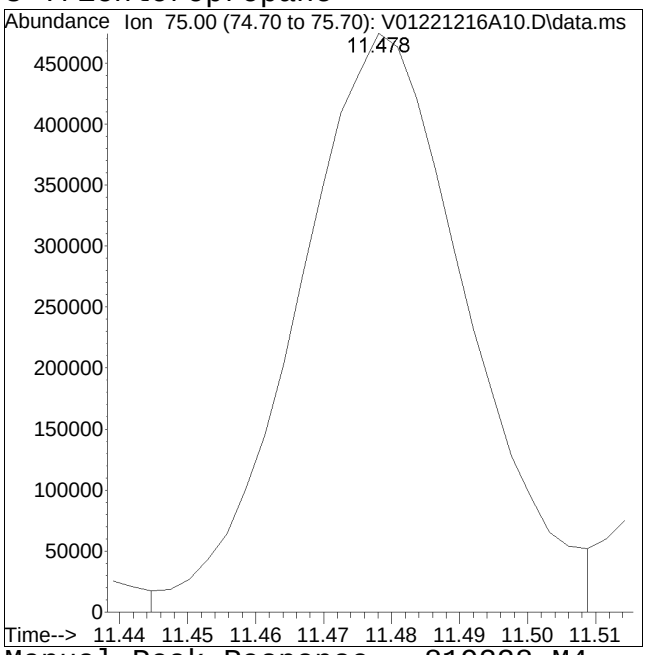
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A10.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 4:05 pm Instrument : VOA 101
Sample : I8260STD120PPB Quant Date : 12/17/2022 9:52 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 753841



Manual Peak Response = 819328 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A11.D
Acq On : 16 Dec 2022 4:31 pm
Operator : VOA101:PID
Sample : I8260STD200PPB
Misc : WG1724555,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 17 09:55:01 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:51:05 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.085	96	357553	10.000	ug/L	0.00
Standard Area 1 = 298001			Recovery = 119.98%			
59) Chlorobenzene-d5	9.621	117	314502	10.000	ug/L	0.00
Standard Area 1 = 233183			Recovery = 134.87%			
79) 1,4-Dichlorobenzene-d4	12.306	152	180597	10.000	ug/L	0.00
Standard Area 1 = 124640			Recovery = 144.89%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.273	113	103323	10.408	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.08%			
43) 1,2-Dichloroethane-d4	5.798	65	115133	10.635	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.35%			
60) Toluene-d8	7.769	98	352212	9.082	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.82%			
83) 4-Bromofluorobenzene	11.102	95	131778	8.819	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.19%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.698	85	1802288	226.725	ug/L	100
3) Chloromethane	1.888	50	1942726	207.039	ug/L	99
4) Vinyl chloride	1.963	62	2785669	212.879	ug/L	99
5) Bromomethane	2.278	94	2306693	269.079	ug/L	97
6) Chloroethane	2.382	64	2017536	185.614	ug/L	98
7) Trichlorofluoromethane	2.532	101	5136260	229.158	ug/L	98
8) Ethyl ether	2.839	74	1079038	197.663	ug/L	87
10) 1,1-Dichloroethene	3.026	96	2825800	223.861	ug/L	97
11) Carbon disulfide	3.056	76	5131694	220.942	ug/L	98
12) Freon-113	3.062	101	3258960	231.493	ug/L #	61
13) Iodomethane	3.162	142	3089126	271.379	ug/L	96
14) Acrolein	3.346	56	178852	222.333	ug/L	97
15) Methylene chloride	3.581	84	1757696	212.450	ug/L	93
17) Acetone	3.628	43	323259	164.786	ug/L	90
18) trans-1,2-Dichloroethene	3.734	96	1954063	230.592	ug/L	96
19) Methyl acetate	3.742	43	827743	214.846	ug/L	95
20) Methyl tert-butyl ether	3.837	73	3455277	220.236	ug/L	98
21) tert-Butyl alcohol	3.932	59	436780	1223.669	ug/L	94
22) Diisopropyl ether	4.194	45	6586922	226.578	ug/L	98
23) 1,1-Dichloroethane	4.317	63	3490777	219.507	ug/L	99
24) Halothane	4.367	117	1531571	237.021	ug/L	99

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A11.D
Acq On : 16 Dec 2022 4:31 pm
Operator : VOA101:PID
Sample : I8260STD200PPB
Misc : WG1724555,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 17 09:55:01 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:51:05 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.359	53	375060	235.725	ug/L		98
26) Ethyl tert-butyl ether	4.543	59	5504432	238.077	ug/L		98
27) Vinyl acetate	4.548	43	3957883	252.174	ug/L		98
28) cis-1,2-Dichloroethene	4.833	96	2098508	221.751	ug/L		98
29) 2,2-Dichloropropane	4.933	77	2803521	228.624	ug/L		97
30) Bromochloromethane	5.028	128	990702	224.734	ug/L		98
31) Cyclohexane	5.033	56	3893736	258.366	ug/L		99
32) Chloroform	5.098	83	3368785	215.780	ug/L		98
33) Ethyl acetate	5.206	43	1222266	224.413	ug/L		97
34) Carbon tetrachloride	5.234	117	2963127	261.896	ug/L		99
35) Tetrahydrofuran	5.251	42	316129	201.434	ug/L		95
37) 1,1,1-Trichloroethane	5.301	97	3028198	233.991	ug/L		100
39) 2-Butanone	5.388	43	480587	220.341	ug/L		87
40) 1,1-Dichloropropene	5.421	75	2675593	233.622	ug/L		98
41) Benzene	5.667	78	7676654	212.959	ug/L		98
42) tert-Amyl methyl ether	5.775	73	4402420	233.389	ug/L		98
44) 1,2-Dichloroethane	5.867	62	2240489	206.800	ug/L		100
47) Methyl cyclohexane	6.255	83	3800804	273.566	ug/L		99
48) Trichloroethene	6.261	95	2446374	235.628	ug/L		96
50) Dibromomethane	6.698	93	1035509	217.100	ug/L		99
51) 1,2-Dichloropropane	6.801	63	1915825	221.335	ug/L		100
54) Bromodichloromethane	6.874	83	2487670	233.352	ug/L		100
57) 1,4-Dioxane	7.086	88	95758M1	2109.747	ug/L		
58) cis-1,3-Dichloropropene	7.563	75	2996944	243.436	ug/L		93
61) Toluene	7.830	92	5284385	219.390	ug/L		99
62) 4-Methyl-2-pentanone	8.263	58	432082	219.278	ug/L		89
63) Tetrachloroethene	8.279	166	2415953	235.543	ug/L		97
65) trans-1,3-Dichloropropene	8.310	75	2686522	238.644	ug/L		93
67) Ethyl methacrylate	8.497	69	1858968	266.770	ug/L		96
68) 1,1,2-Trichloroethane	8.497	83	1217792	210.424	ug/L		97
69) Chlorodibromomethane	8.712	129	1847435	241.239	ug/L		97
70) 1,3-Dichloropropane	8.818	76	2362260	198.863	ug/L		99
71) 1,2-Dibromoethane	8.988	107	1404316	209.489	ug/L		99
72) 2-Hexanone	9.264	43	784250	215.119	ug/L		96
73) Chlorobenzene	9.638	112	6213743	221.960	ug/L		95
74) Ethylbenzene	9.677	91	11044153	232.749	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.724	131	2170094	244.267	ug/L		98
76) p/m Xylene	9.863	106	10516070	554.735	ug/L	#	1
77) o Xylene	10.404	106	9547894	543.323	ug/L	#	1
78) Styrene	10.466	104	15558225	548.804	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A11.D
Acq On : 16 Dec 2022 4:31 pm
Operator : VOA101:PID
Sample : I8260STD200PPB
Misc : WG1724555,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 17 09:55:01 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:51:05 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Bromoform	10.496	173	1301456	289.136	ug/L	100
82) Isopropylbenzene	10.778	105	11444197	232.435	ug/L	99
84) Bromobenzene	11.213	156	2489753	214.450	ug/L	99
85) n-Propylbenzene	11.258	91	13692392	235.170	ug/L	99
86) 1,4-Dichlorobutane	11.269	55	2508409	218.282	ug/L	96
87) 1,1,2,2-Tetrachloroethane	11.344	83	1614152	194.167	ug/L	99
88) 4-Ethyltoluene	11.383	105	10995760	235.621	ug/L	99
89) 2-Chlorotoluene	11.425	91	7161786M1	214.671	ug/L	
90) 1,3,5-Trimethylbenzene	11.481	105	9815832	248.645	ug/L	99
91) 1,2,3-Trichloropropane	11.481	75	1568375M1	230.999	ug/L	
92) trans-1,4-Dichloro-2-b...	11.531	53	447367	201.759	ug/L	92
93) 4-Chlorotoluene	11.609	91	7444420	222.782	ug/L	96
94) tert-Butylbenzene	11.815	119	7774501	237.269	ug/L	98
97) 1,2,4-Trimethylbenzene	11.894	105	9057964	237.890	ug/L	99
98) sec-Butylbenzene	12.008	105	11091129	236.769	ug/L	100
99) p-Isopropyltoluene	12.158	119	9688953	247.422	ug/L	99
100) 1,3-Dichlorobenzene	12.228	146	4903145	225.060	ug/L	99
101) 1,4-Dichlorobenzene	12.320	146	4927496	218.649	ug/L	98
102) p-Diethylbenzene	12.529	119	5433957	248.988	ug/L	99
103) n-Butylbenzene	12.588	91	7388302	232.182	ug/L	98
104) 1,2-Dichlorobenzene	12.741	146	4295633	219.212	ug/L	98
105) 1,2,4,5-Tetramethylben...	13.321	119	7397328	252.243	ug/L	100
106) 1,2-Dibromo-3-chloropr...	13.517	155	234482	263.974	ug/L	99
107) 1,3,5-Trichlorobenzene	13.550	180	2512519	230.269	ug/L	98
108) Hexachlorobutadiene	14.119	225	841633	237.734	ug/L	99
109) 1,2,4-Trichlorobenzene	14.144	180	2073355	226.582	ug/L	99
110) Naphthalene	14.437	128	4475855	219.118	ug/L	100
111) 1,2,3-Trichlorobenzene	14.604	180	1658092	218.003	ug/L	99

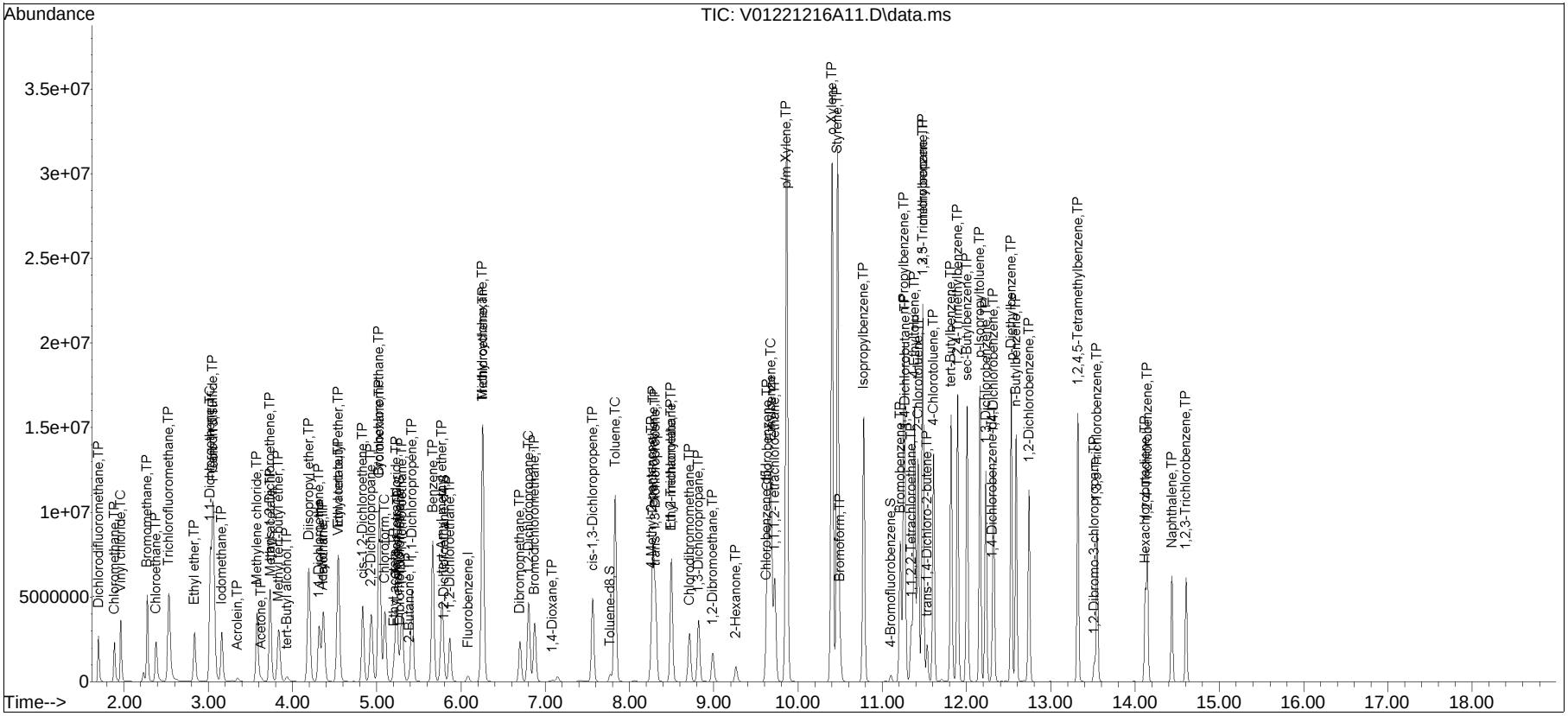
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A11.D
Acq On : 16 Dec 2022 4:31 pm
Operator : VOA101:PID
Sample : I8260STD200PPB
Misc : WG1724555,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 17 09:55:01 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 09:51:05 2022
Response via : Initial Calibration

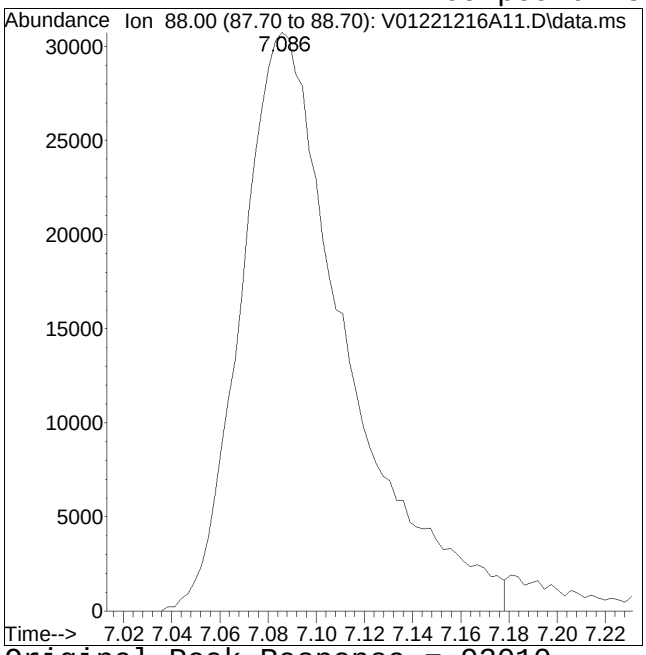
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVEV01221216A07.D•

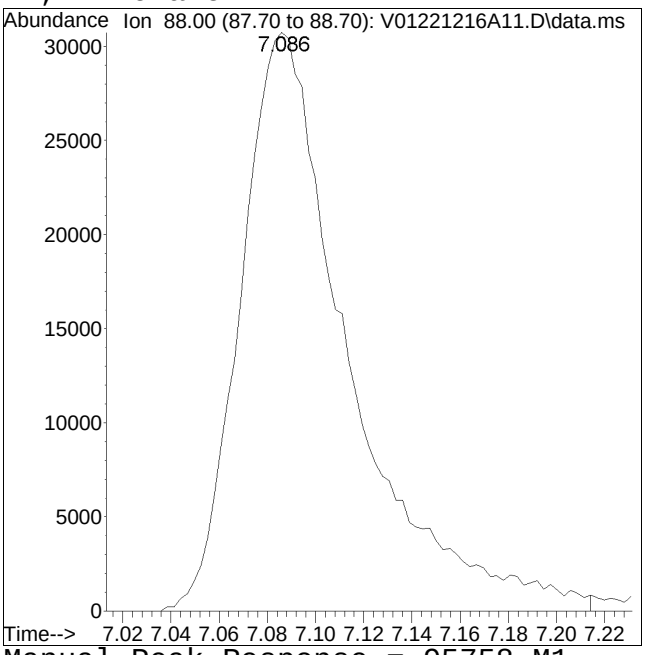


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A11.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 4:31 pm Instrument : VOA 101
Sample : I8260STD200PPB Quant Date : 12/17/2022 9:54 am

Compound #57: 1,4-Dioxane



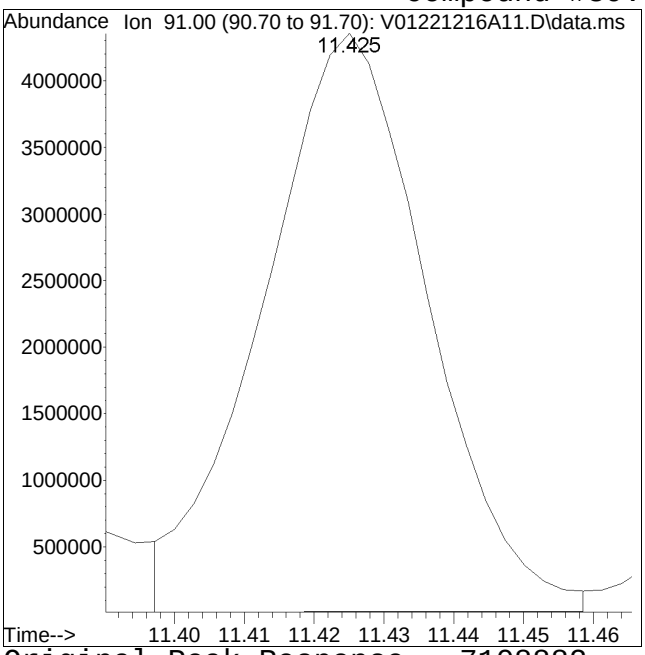


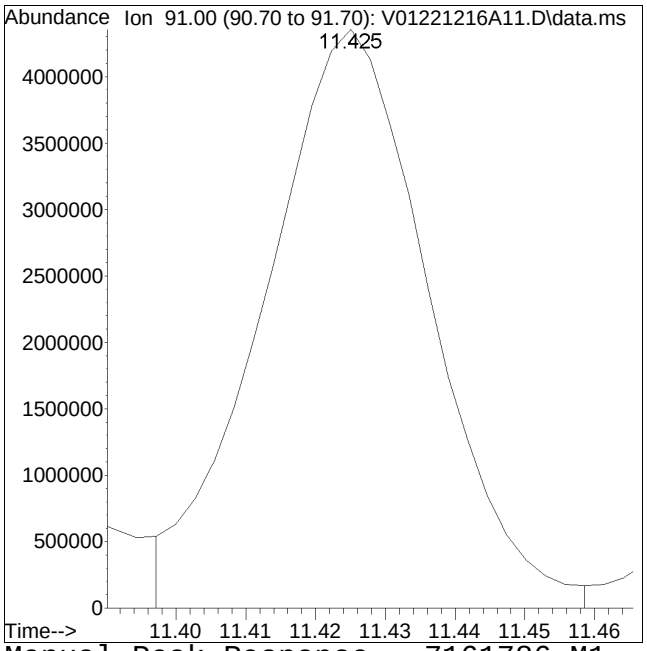
Original Peak Response = 93010 Manual Peak Response = 95758 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A11.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 4:31 pm Instrument : VOA 101
Sample : I8260STD200PPB Quant Date : 12/17/2022 9:54 am

Compound #89: 2-Chlorotoluene



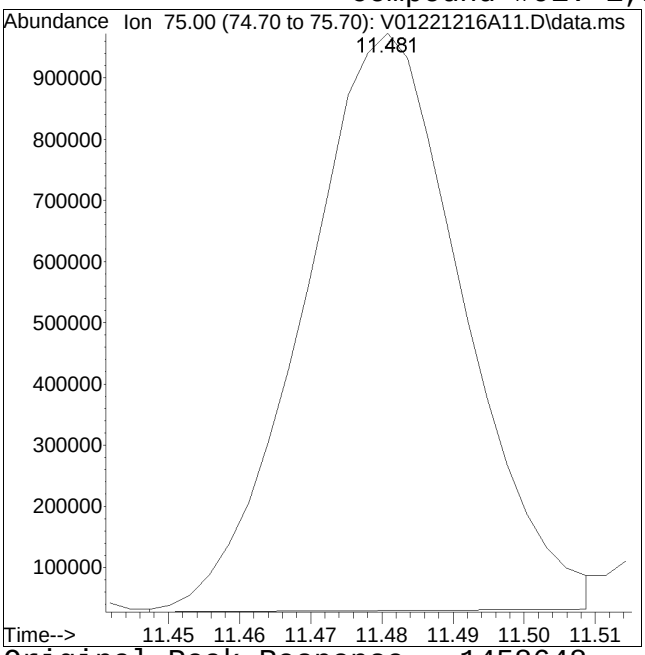


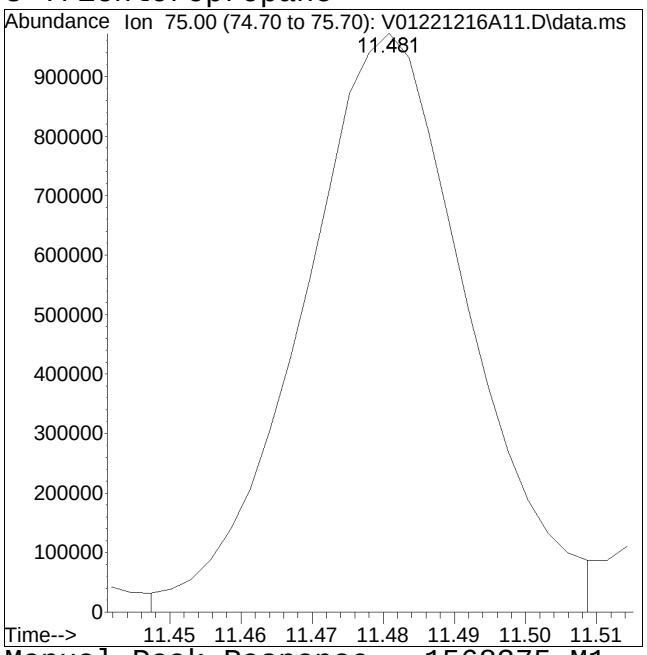
Original Peak Response = 7108882 Manual Peak Response = 7161786 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A11.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 4:31 pm Instrument : VOA 101
Sample : I8260STD200PPB Quant Date : 12/17/2022 9:54 am

Compound #91: 1,2,3-Trichloropropane





Original Peak Response = 1458648 Manual Peak Response = 1568375 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A17.D
Acq On : 16 Dec 2022 7:06 pm
Operator : VOA101:PID
Sample : C8260STD10PPB
Misc : WG1724555,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 17 10:07:50 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:04:09 2022
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	103	0.00
2	TP	Dichlorodifluoromethane	0.227	0.225	0.9	102	0.00
3	TP	Chloromethane	0.264	0.282	-6.8	111	0.00
4	TC	Vinyl chloride	0.369	0.378	-2.4	102	0.00
5	TP	Bromomethane	0.252	0.260	-3.2	125	0.00
6	TP	Chloroethane	0.301	0.321	-6.6	109	0.00
7	TP	Trichlorofluoromethane	0.640	0.690	-7.8	113	0.00
8	TP	Ethyl ether	0.152	0.201	-32.2#	146	0.00
10	TC	1,1-Dichloroethene	0.359	0.363	-1.1	107	0.00
11	TP	Carbon disulfide	0.659	0.922	-39.9#	150	0.00
12	TP	Freon-113	0.403	0.433	-7.4	110	0.00
13	TP	Iodomethane	0.335	0.261	22.1#	95	0.00
14	TP	Acrolein	0.023	0.022	4.3	105	0.00
15	TP	Methylene chloride	0.233	0.221	5.2	103	0.00
17	TP	Acetone	0.047	0.044	6.4	95	0.00
18	TP	trans-1,2-Dichloroethene	0.242	0.231	4.5	104	0.00
19	TP	Methyl acetate	0.109	0.113	-3.7	121	0.00
20	TP	Methyl tert-butyl ether	0.445	0.498	-11.9	128	0.00
21	TP	tert-Butyl alcohol	0.010	0.012	-20.0	147	0.00
22	TP	Diisopropyl ether	0.829	0.809	2.4	110	0.00
23	TP	1,1-Dichloroethane	0.451	0.444	1.6	105	0.00
24	TP	Halothane	0.186	0.191	-2.7	112	0.00
25	TP	Acrylonitrile	0.046	0.048	-4.3	120	0.00
26	TP	Ethyl tert-butyl ether	0.664	0.640	3.6	112	0.00
27	TP	Vinyl acetate	0.458	0.341	25.5#	100	0.00
28	TP	cis-1,2-Dichloroethene	0.269	0.248	7.8	101	0.00
29	TP	2,2-Dichloropropane	0.350	0.316	9.7	99	0.00
30	TP	Bromochloromethane	0.125	0.121	3.2	107	0.00
31	TP	Cyclohexane	0.466	0.424	9.0	102	0.00
32	TC	Chloroform	0.442	0.424	4.1	104	0.00
33	TP	Ethyl acetate	0.155	0.158	-1.9	121	0.00
34	TP	Carbon tetrachloride	0.329	0.315	4.3	111	0.00
35	TP	Tetrahydrofuran	0.044	0.045	-2.3	113	0.00
36	S	Dibromofluoromethane	0.279	0.277	0.7	104	0.00
37	TP	1,1,1-Trichloroethane	0.371	0.382	-3.0	112	0.00
39	TP	2-Butanone	0.062	0.058	6.5	111	0.00
40	TP	1,1-Dichloropropene	0.328	0.331	-0.9	108	0.00
41	TP	Benzene	1.016	0.900	11.4	101	0.00
42	TP	tert-Amyl methyl ether	0.540	0.525	2.8	112	0.00

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A17.D
Acq On : 16 Dec 2022 7:06 pm
Operator : VOA101:PID
Sample : C8260STD10PPB
Misc : WG1724555,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 17 10:07:50 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:04:09 2022
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	0.305	0.300	1.6	103	0.00
44	TP	1,2-Dichloroethane	0.304	0.301	1.0	109	0.00
47	TP	Methyl cyclohexane	0.433	0.395	8.8	105	0.00
48	TP	Trichloroethene	0.278	0.265	4.7	106	0.00
50	TP	Dibromomethane	0.135	0.131	3.0	108	0.00
51	TC	1,2-Dichloropropane	0.246	0.238	3.3	106	0.00
54	TP	Bromodichloromethane	0.305	0.301	1.3	112	0.00
57	TP	1,4-Dioxane	0.00128	0.00136#	-6.2	114	0.00
58	TP	cis-1,3-Dichloropropene	0.355	0.342	3.7	110	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
60	S	Toluene-d8	1.219	1.244	-2.1	103	0.00
61	TC	Toluene	0.776	0.747	3.7	103	0.00
62	TP	4-Methyl-2-pentanone	0.064	0.060	6.3	111	0.00
63	TP	Tetrachloroethene	0.334	0.332	0.6	106	0.00
65	TP	trans-1,3-Dichloropropene	0.368	0.368	0.0	115	0.00
67	TP	Ethyl methacrylate	0.250	0.259	-3.6	134	0.00
68	TP	1,1,2-Trichloroethane	0.185	0.187#	-1.1	109	0.00
69	TP	Chlorodibromomethane	0.251	0.256	-2.0	119	0.00
70	TP	1,3-Dichloropropane	0.377	0.386	-2.4	110	0.00
71	TP	1,2-Dibromoethane	0.215	0.222	-3.3	114	0.00
72	TP	2-Hexanone	0.117	0.116	0.9	116	0.00
73	TP	Chlorobenzene	0.904	0.870	3.8	106	0.00
74	TC	Ethylbenzene	1.544	1.485	3.8	105	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.291	0.286	1.7	114	0.00
76	TP	p/m Xylene	0.603	0.580	3.8	106	0.00
77	TP	o Xylene	0.587	0.579	1.4	115	0.00
78	TP	Styrene	* 20.000	17.950	10.3	114	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
80	TP	Bromoform	* 10.000	9.892	1.1	123	0.00
82	TP	Isopropylbenzene	2.789	2.765	0.9	105	0.00
83	S	4-Bromofluorobenzene	0.815	0.845	-3.7	104	0.00
84	TP	Bromobenzene	0.649	0.646	0.5	108	0.00
85	TP	n-Propylbenzene	3.305	3.247	1.8	105	0.00
86	TP	1,4-Dichlorobutane	0.645	0.742	-15.0	127	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.458	0.455	0.7	110	0.00
88	TP	4-Ethyltoluene	2.650	2.829	-6.8	115	0.00
89	TP	2-Chlorotoluene	1.867	1.799	3.6	103	0.00

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A17.D
Acq On : 16 Dec 2022 7:06 pm
Operator : VOA101:PID
Sample : C8260STD10PPB
Misc : WG1724555,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 17 10:07:50 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:04:09 2022
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	2.262	2.161	4.5	105	0.00
91 TP	1,2,3-Trichloropropane	0.384	0.382	0.5	112	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.123	0.137	-11.4	129	0.00
93 TP	4-Chlorotoluene	1.880	1.851	1.5	106	0.00
94 TP	tert-Butylbenzene	1.863	1.865	-0.1	107	0.00
97 TP	1,2,4-Trimethylbenzene	2.165	2.187	-1.0	109	0.00
98 TP	sec-Butylbenzene	2.662	2.652	0.4	106	0.00
99 TP	p-Isopropyltoluene	2.242	2.200	1.9	105	0.00
100 TP	1,3-Dichlorobenzene	1.228	1.209	1.5	107	0.00
101 TP	1,4-Dichlorobenzene	1.264	1.152	8.9	101	0.00
102 TP	p-Diethylbenzene	1.251	1.256	-0.4	109	0.00
103 TP	n-Butylbenzene	1.803	1.852	-2.7	107	0.00
104 TP	1,2-Dichlorobenzene	1.100	1.086	1.3	109	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.684	1.726	-2.5	113	0.00
106 TP	1,2-Dibromo-3-chloropropane *	10.000	9.800	2.0	130	0.00
107 TP	1,3,5-Trichlorobenzene	0.617	0.641	-3.9	111	0.00
108 TP	Hexachlorobutadiene	0.201	0.197	2.0	105	0.00
109 TP	1,2,4-Trichlorobenzene	0.516	0.518	-0.4	109	0.00
110 TP	Naphthalene	1.147	1.203	-4.9	116	0.00
111 TP	1,2,3-Trichlorobenzene	0.427	0.436	-2.1	114	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A17.D
Acq On : 16 Dec 2022 7:06 pm
Operator : VOA101:PID
Sample : C8260STD10PPB
Misc : WG1724555,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 17 10:07:50 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:04:09 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.082	96	307981	10.000	ug/L	0.00
Standard Area 1 = 298001			Recovery = 103.35%			
59) Chlorobenzene-d5	9.615	117	242535	10.000	ug/L	0.00
Standard Area 1 = 233183			Recovery = 104.01%			
79) 1,4-Dichlorobenzene-d4	12.303	152	129147	10.000	ug/L	0.00
Standard Area 1 = 124640			Recovery = 103.62%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.273	113	85168	9.909	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.09%			
43) 1,2-Dichloroethane-d4	5.798	65	92434	9.834	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.34%			
60) Toluene-d8	7.769	98	301663	10.203	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.03%			
83) 4-Bromofluorobenzene	11.102	95	109176	10.370	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.698	85	69231	9.922	ug/L	99
3) Chloromethane	1.888	50	86983	10.708	ug/L	99
4) Vinyl chloride	1.963	62	116393	10.244	ug/L	98
5) Bromomethane	2.278	94	80078	10.335	ug/L	98
6) Chloroethane	2.390	64	98888	10.672	ug/L	98
7) Trichlorofluoromethane	2.538	101	212638	10.789	ug/L	99
8) Ethyl ether	2.839	74	62032	13.214	ug/L	87
10) 1,1-Dichloroethene	3.028	96	111767	10.107	ug/L	97
11) Carbon disulfide	3.056	76	283967	13.985	ug/L	99
12) Freon-113	3.062	101	133224	10.745	ug/L	86
13) Iodomethane	3.162	142	80330	7.795	ug/L	96
14) Acrolein	3.346	56	6647M1	9.442	ug/L	
15) Methylene chloride	3.581	84	68181	9.483	ug/L	92
17) Acetone	3.634	43	13630	9.380	ug/L	90
18) trans-1,2-Dichloroethene	3.734	96	71120	9.535	ug/L	98
19) Methyl acetate	3.748	43	34892	10.386	ug/L	93
20) Methyl tert-butyl ether	3.843	73	153298	11.182	ug/L	95
21) tert-Butyl alcohol	3.932	59	17877	56.055	ug/L #	72
22) Diisopropyl ether	4.194	45	249202	9.766	ug/L	97
23) 1,1-Dichloroethane	4.317	63	136715	9.843	ug/L	100
24) Halothane	4.370	117	58713	10.277	ug/L	98

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A17.D
Acq On : 16 Dec 2022 7:06 pm
Operator : VOA101:PID
Sample : C8260STD10PPB
Misc : WG1724555,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 17 10:07:50 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:04:09 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.370	53	14681	10.446	ug/L		97
26) Ethyl tert-butyl ether	4.543	59	197245	9.642	ug/L		90
27) Vinyl acetate	4.548	43	105004	7.443	ug/L		97
28) cis-1,2-Dichloroethene	4.835	96	76430	9.233	ug/L		99
29) 2,2-Dichloropropane	4.939	77	97326	9.030	ug/L		93
30) Bromochloromethane	5.025	128	37112	9.604	ug/L		98
31) Cyclohexane	5.033	56	130644	9.112	ug/L		99
32) Chloroform	5.100	83	130547	9.600	ug/L		97
33) Ethyl acetate	5.209	43	48640	10.161	ug/L	#	87
34) Carbon tetrachloride	5.234	117	97103	9.593	ug/L		99
35) Tetrahydrofuran	5.257	42	13888	10.261	ug/L	#	75
37) 1,1,1-Trichloroethane	5.298	97	117543	10.295	ug/L		99
39) 2-Butanone	5.390	43	17989	9.416	ug/L	#	60
40) 1,1-Dichloropropene	5.424	75	101834	10.081	ug/L		97
41) Benzene	5.667	78	277254	8.858	ug/L		98
42) tert-Amyl methyl ether	5.772	73	161637	9.717	ug/L		97
44) 1,2-Dichloroethane	5.867	62	92705	9.886	ug/L		97
47) Methyl cyclohexane	6.252	83	121773	9.126	ug/L		99
48) Trichloroethene	6.258	95	81727	9.532	ug/L		97
50) Dibromomethane	6.701	93	40359	9.705	ug/L		96
51) 1,2-Dichloropropane	6.801	63	73329	9.688	ug/L		99
54) Bromodichloromethane	6.874	83	92583	9.848	ug/L		99
57) 1,4-Dioxane	7.091	88	20915M3	530.809	ug/L		
58) cis-1,3-Dichloropropene	7.566	75	105230	9.625	ug/L		92
61) Toluene	7.830	92	181273	9.626	ug/L		98
62) 4-Methyl-2-pentanone	8.266	58	14571M3	9.437	ug/L		
63) Tetrachloroethene	8.277	166	80513	9.927	ug/L		96
65) trans-1,3-Dichloropropene	8.310	75	89369	10.018	ug/L		91
67) Ethyl methacrylate	8.494	69	62828	10.370	ug/L		100
68) 1,1,2-Trichloroethane	8.500	83	45233	10.060	ug/L		97
69) Chlorodibromomethane	8.714	129	62113	10.217	ug/L		97
70) 1,3-Dichloropropane	8.820	76	93592	10.225	ug/L		98
71) 1,2-Dibromoethane	8.988	107	53856	10.348	ug/L		99
72) 2-Hexanone	9.272	43	28059	9.856	ug/L		92
73) Chlorobenzene	9.635	112	211026	9.624	ug/L		96
74) Ethylbenzene	9.674	91	360109	9.616	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.721	131	69459	9.828	ug/L		98
76) p/m Xylene	9.861	106	281439	19.252	ug/L		96
77) o Xylene	10.399	106	281079	19.731	ug/L		97
78) Styrene	10.463	104	450190	17.950	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A17.D
Acq On : 16 Dec 2022 7:06 pm
Operator : VOA101:PID
Sample : C8260STD10PPB
Misc : WG1724555,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 17 10:07:50 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:04:09 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2022\221216A\V01221216A07.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	10.494	173	32450	9.892	ug/L		99
82) Isopropylbenzene	10.778	105	357072	9.912	ug/L		99
84) Bromobenzene	11.213	156	83396	9.942	ug/L		99
85) n-Propylbenzene	11.252	91	419379	9.826	ug/L		99
86) 1,4-Dichlorobutane	11.272	55	95813	11.509	ug/L		95
87) 1,1,2,2-Tetrachloroethane	11.341	83	58784	9.930	ug/L		100
88) 4-Ethyltoluene	11.380	105	365377	10.677	ug/L		99
89) 2-Chlorotoluene	11.419	91	232287M1	9.636	ug/L		
90) 1,3,5-Trimethylbenzene	11.472	105	279115	9.555	ug/L		100
91) 1,2,3-Trichloropropane	11.478	75	49372M1	9.948	ug/L		
92) trans-1,4-Dichloro-2-b...	11.528	53	17655	11.118	ug/L	#	70
93) 4-Chlorotoluene	11.604	91	238990	9.841	ug/L		98
94) tert-Butylbenzene	11.815	119	240855	10.012	ug/L		99
97) 1,2,4-Trimethylbenzene	11.891	105	282444	10.100	ug/L		98
98) sec-Butylbenzene	12.005	105	342477	9.962	ug/L		99
99) p-Isopropyltoluene	12.156	119	284136	9.814	ug/L		99
100) 1,3-Dichlorobenzene	12.225	146	156113	9.844	ug/L		99
101) 1,4-Dichlorobenzene	12.317	146	148837	9.114	ug/L		100
102) p-Diethylbenzene	12.529	119	162273	10.046	ug/L		99
103) n-Butylbenzene	12.585	91	239163	10.274	ug/L		99
104) 1,2-Dichlorobenzene	12.738	146	140283	9.875	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.319	119	222863	10.245	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.517	155	7752	9.800	ug/L		97
107) 1,3,5-Trichlorobenzene	13.547	180	82741	10.380	ug/L		97
108) Hexachlorobutadiene	14.119	225	25483	9.802	ug/L		98
109) 1,2,4-Trichlorobenzene	14.144	180	66834	10.023	ug/L		99
110) Naphthalene	14.437	128	155306	10.489	ug/L		100
111) 1,2,3-Trichlorobenzene	14.607	180	56332	10.226	ug/L		100

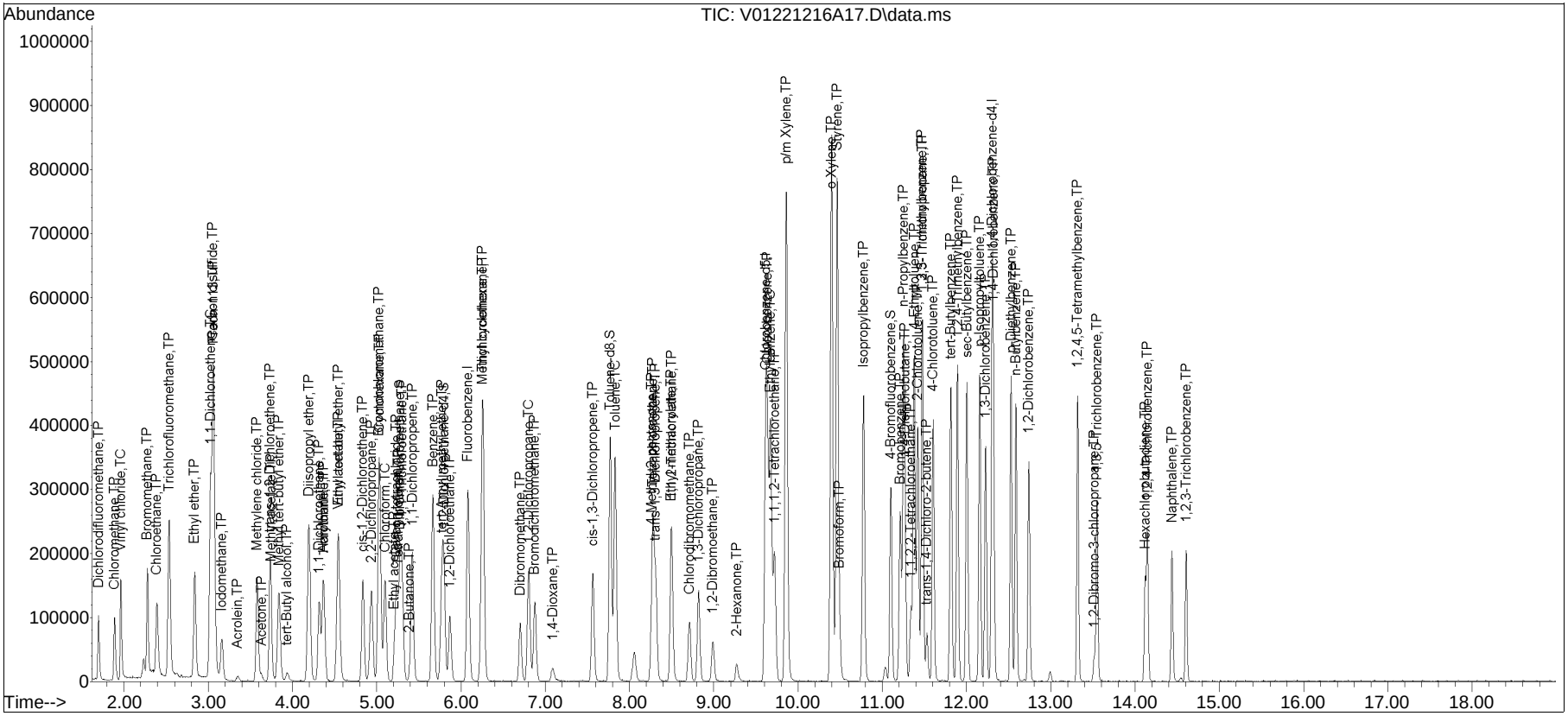
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2022\221216A\
Data File : V01221216A17.D
Acq On : 16 Dec 2022 7:06 pm
Operator : VOA101:PID
Sample : C8260STD10PPB
Misc : WG1724555,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 17 10:07:50 2022
Quant Method : I:\VOLATILES\VOA101\2022\221216A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:04:09 2022
Response via : Initial Calibration

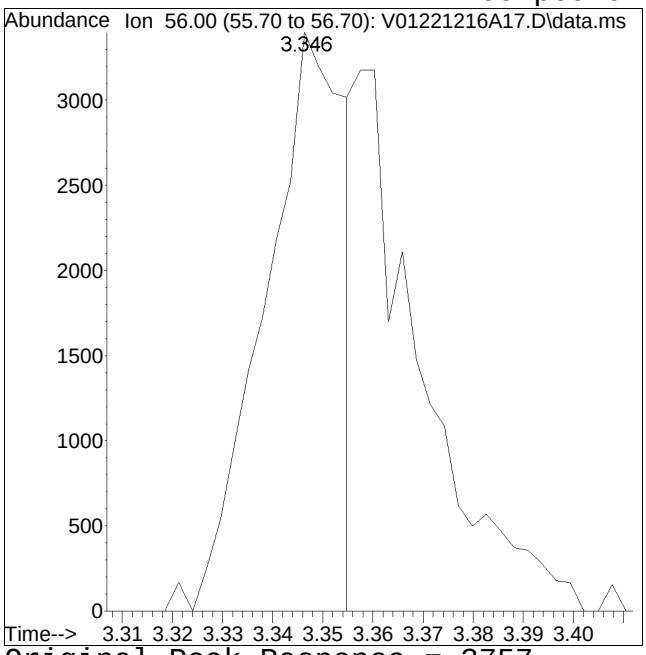
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVEV01221216A07.D•

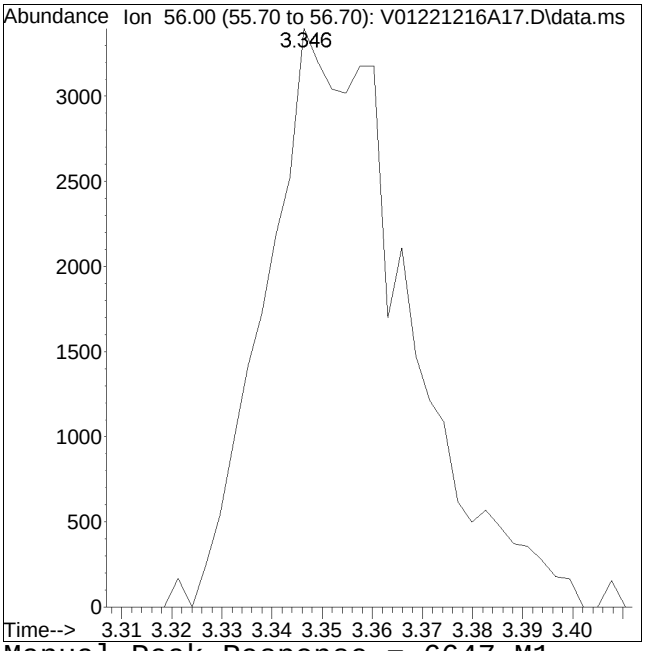


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A17.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 7:06 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 12/17/2022 10:06 am

Compound #14: Acrolein





Original Peak Response = 3757 Manual Peak Response = 6647 M1

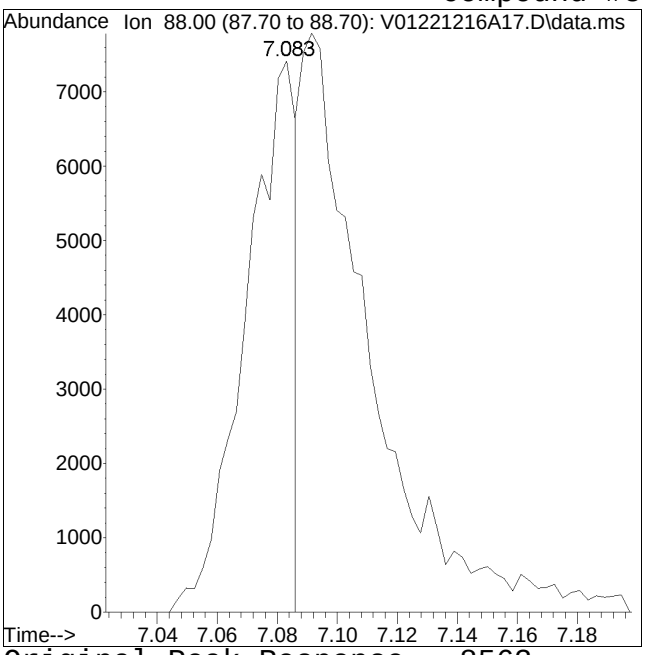
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

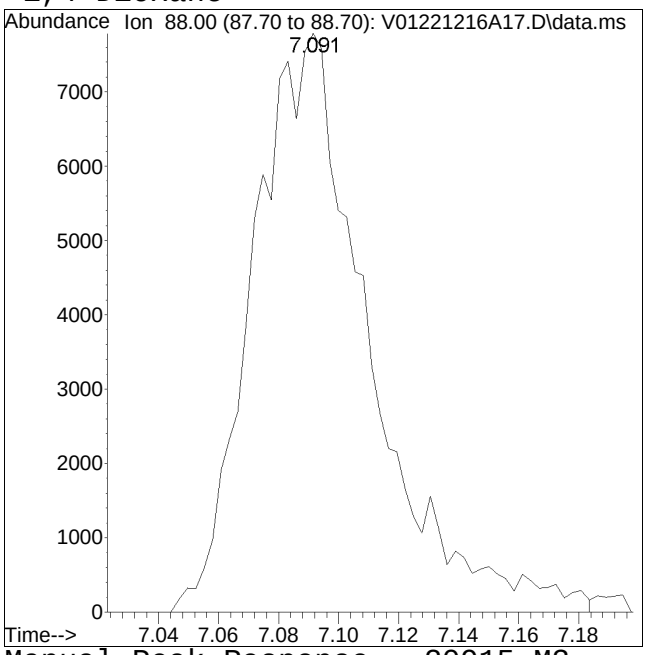
Data Path : I:\VOLATILES\VOA101\2022\2Q
Data File : V01221216A17.D
Date Inj'd : 12/16/2022 7:06 pm
Sample : C8260STD10PPB

Method : V101_221216A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 12/17/2022 10:06 am

Compound #57: 1,4-Dioxane



Original Peak Response = 8563



Manual Peak Response = 20915 M3

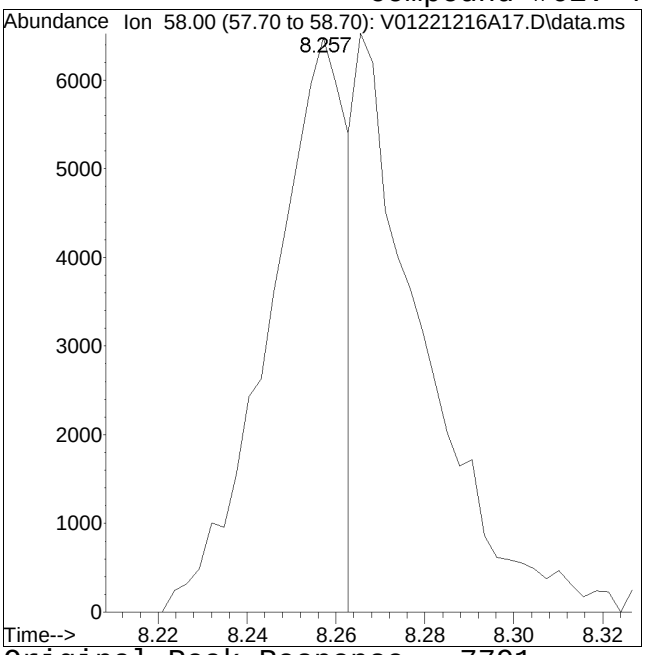
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

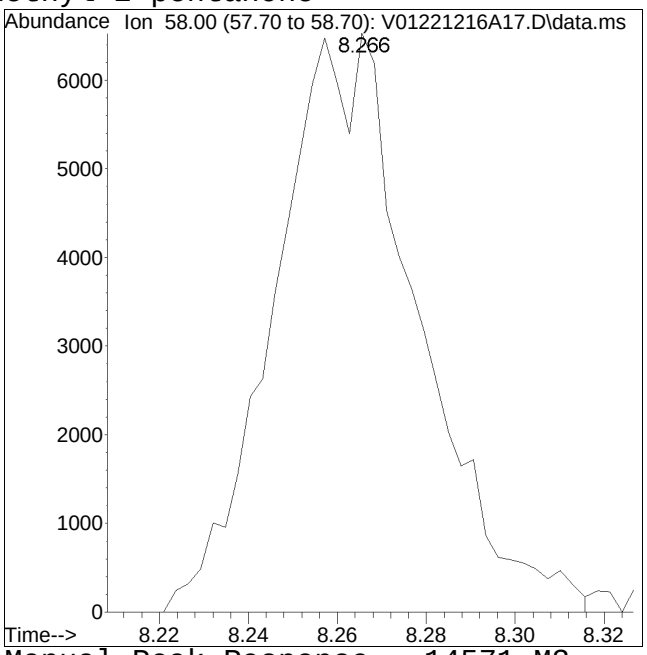
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2Q
Data File : V01221216A17.D
Date Inj'd : 12/16/2022 7:06 pm
Sample : C8260STD10PPB

Method : V101_221216A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 12/17/2022 10:06 am

Compound #62: 4-Methyl-2-pentanone





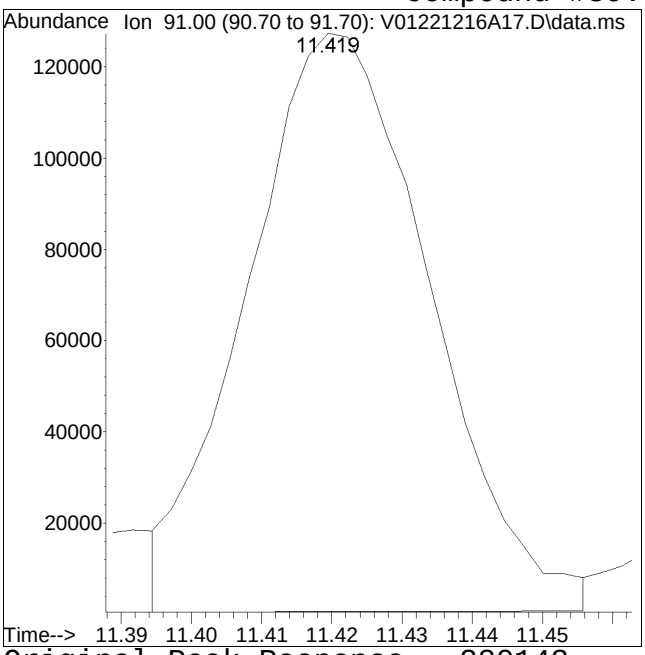
Original Peak Response = 7791 Manual Peak Response = 14571 M3

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.

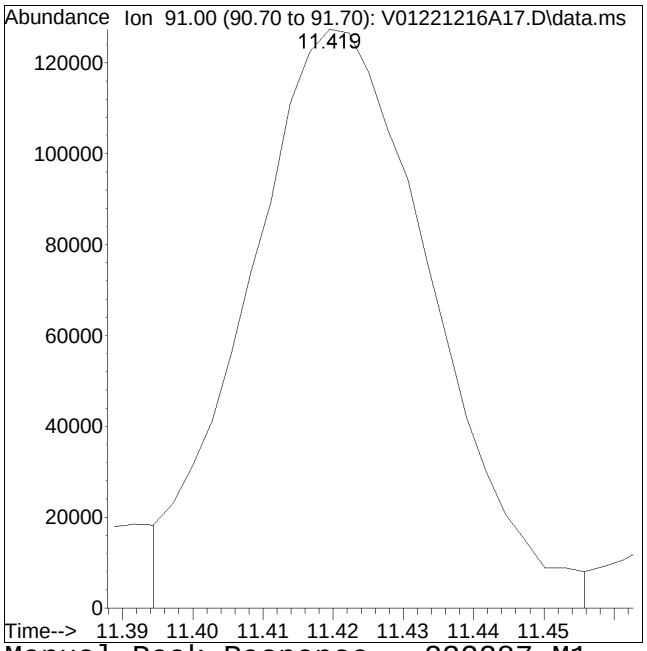
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A17.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 7:06 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 12/17/2022 10:06 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 230143



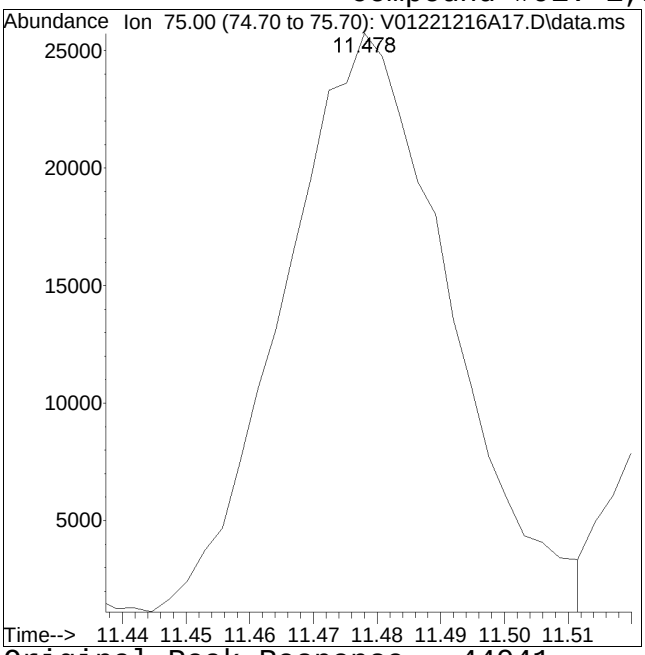
Manual Peak Response = 232287 M1

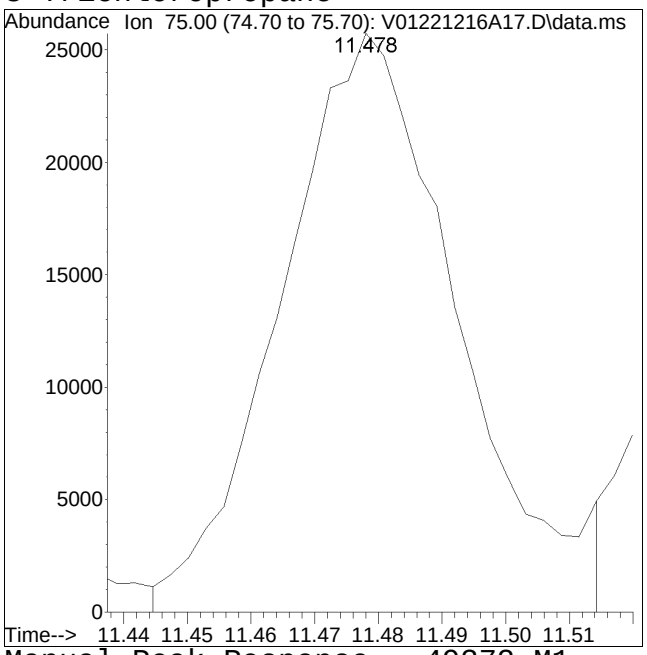
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2022\2QMethod : V101_221216A_8260.m
Data File : V01221216A17.D Operator : VOA101:PID
Date Inj'd : 12/16/2022 7:06 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 12/17/2022 10:06 am

Compound #91: 1,2,3-Trichloropropane





Original Peak Response = 44041 Manual Peak Response = 49372 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Relative Error Report VOA 101

Method Path : I:\VOLATILES\VOA101\2022\221216A\
Method File : V101_221216A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sat Dec 17 10:04:09 2022

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
78	TP Styrene	L	ug/L	20.0	16.386	-18.1	1.00	1.295	29.5
80	TP Bromoform	Q	ug/L	10.0	8.440	-15.6	0.50	0.610	22.0
106	TP 1,2-Dibromo-3-chloropropane	L	ug/L	10.0	7.898	-21.0	0.50	0.631	26.2

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
78	TP Styrene	Linear	0.996554	0.000000	1.07877	-0.080189
80	TP Bromoform	Quadratic	0.998536	0.007283	0.2548	-0.00791093
106	TP 1,2-Dibromo-3-chloropropane	Linear	0.998397	0.000000	0.0648588	-0.00353416

Response Factor Report VOA111

Method Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Method File : V111_230118_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jan 19 11:49:17 2023
Response Via : Initial Calibration

Calibration Files
L1 =V11230118A05.D L2 =V11230118A09.D L3 =V11230118A10.D L4 =V11230118A11.D L1.5=V11230118A07.D
L6 =V11230118A12.D L7 =V11230118A13.D L8 =V11230118A14.D L0 =V11230118A03.D

		Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
1)	I	Fluorobenzene	----------	----------	ISTD	----------	----------	----------	----------	----------	----------		
2)	TP	Dichlorodifluo...		0.264	0.161	0.188	0.241	0.249	0.272	0.262		0.234	18.19
3)	TP	Chloromethane	0.240	0.302	0.224	0.246	0.309	0.287	0.293	0.283		0.273	11.56
4)	TC	Vinyl chloride	0.263	0.402	0.273	0.293	0.381	0.365	0.368	0.347		0.337	15.67
5)	TP	Bromomethane	0.401	0.463	0.320	0.314	0.462	0.340	0.331	0.328		0.370	17.06
6)	TP	Chloroethane	0.107	0.175	0.133	0.146	0.151	0.187				0.150	19.13
7)	TP	Trichlorofluor...		0.351	0.231	0.265	0.314	0.355	0.396	0.414		*Q	0.9968
8)	TP	Ethyl ether	0.077	0.099	0.087	0.099	0.096	0.109	0.115	0.114		0.100	13.25
10)	TP	1,1-Dichloroet...	0.158	0.217	0.152	0.169	0.201	0.220	0.238	0.243		0.200	17.97
11)	TP	Carbon disulfide		0.490	0.334	0.362	0.526	0.452	0.480	0.482		0.446	15.98
12)	TP	Freon-113		0.231	0.150	0.168	0.207	0.235	0.262	0.261		*Q	0.9946
14)	TP	Acrolein			0.020	0.023		0.029	0.031	0.030		0.027	16.98
15)	TP	Methylene chlo...	0.382	0.303	0.230	0.245	0.324	0.272	0.280	0.280		0.289	16.51
17)	TP	Acetone		0.077	0.054	0.061	0.087	0.068	0.066	0.062		0.068	16.03
18)	TP	trans-1,2-Dich...	0.185	0.252	0.196	0.211	0.250	0.258	0.276	0.278		0.238	15.07
19)	TP	Methyl acetate		0.133	0.112	0.121	0.133	0.137	0.143	0.137		0.131	8.33
20)	TP	Methyl tert-bu...	0.553	0.553	0.472	0.531	0.551	0.596	0.623	0.615		0.562	8.77
21)	TP	tert-Butyl alc...		0.022	0.019	0.022	0.018	0.025	0.025	0.024		0.022	11.99
22)	TP	Diisopropyl ether	0.665	0.743	0.627	0.714	0.727	0.806	0.838	0.824		0.743	10.22
23)	TC	1,1-Dichloroet...	0.376	0.451	0.363	0.396	0.444	0.461	0.481	0.475		0.431	10.67
24)	TP	Halothane		0.191	0.134	0.148	0.179	0.189	0.207	0.208		0.180	15.93
25)	TP	Acrylonitrile		0.056	0.050	0.057	0.040	0.065	0.067	0.064		0.057	16.55
26)	TP	Ethyl tert-but...	0.668	0.702	0.621	0.701	0.704	0.798	0.835	0.831		0.732	10.81
27)	TP	Vinyl acetate		0.450	0.408	0.451	0.462	0.490	0.533	0.509		0.472	8.89
28)	TP	cis-1,2-Dichlo...	0.230	0.271	0.228	0.252	0.274	0.292	0.305	0.307		0.270	11.52
29)	TP	2,2-Dichloropr...	0.297	0.381	0.276	0.300	0.378	0.380	0.406	0.402		0.353	14.83
30)	TP	Bromochloromet...	0.095	0.130	0.112	0.120	0.122	0.135	0.141	0.147		0.125	13.47
31)	TP	Cyclohexane		0.361	0.243	0.278	0.346	0.403	0.446	0.441		*Q	0.9935
32)	TC	Chloroform	0.387	0.469	0.389	0.415	0.467	0.489	0.504	0.512		0.454	11.05
33)	TP	Ethyl acetate		0.196	0.166	0.189		0.213	0.217	0.206		0.198	9.57
34)	TP	Carbon tetrach...	0.237	0.339	0.229	0.256	0.322	0.341	0.379	0.382		0.310	19.91

Response Factor Report VOA111

Method Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Method File : V111_230118_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jan 19 11:49:17 2023
Response Via : Initial Calibration

Calibration Files
L1 =V11230118A05.D L2 =V11230118A09.D L3 =V11230118A10.D L4 =V11230118A11.D L1.5=V11230118A07.D
L6 =V11230118A12.D L7 =V11230118A13.D L8 =V11230118A14.D L0 =V11230118A03.D

		Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
35)	TP	Tetrahydrofuran		0.052	0.044	0.051		0.058	0.059	0.053		0.053	9.86
36)	S	Dibromofluorom...	0.256	0.259	0.251	0.254	0.257	0.255	0.258	0.262	0.257	0.257	1.22
37)	TP	1,1,1-Trichlor...	0.296	0.371	0.267	0.292	0.356	0.374	0.404	0.402	0.281	0.338	15.96
39)	TP	2-Butanone		0.091	0.074	0.085		0.097	0.094	0.088		0.088	9.28
40)	TP	1,1-Dichloropr...	0.227	0.307	0.219	0.251	0.309	0.328	0.353	0.350	0.201	*Q	0.9959
41)	TP	Benzene	0.844	0.999	0.798	0.868	1.001	1.013	1.062	1.060	0.860	0.945	10.74
42)	TP	tert-Amyl meth...	0.628	0.643	0.563	0.648	0.641	0.731	0.759	0.746		0.670	10.20
43)	S	1,2-Dichloroet...	0.260	0.255	0.252	0.251	0.253	0.252	0.254	0.255	0.257	0.254	1.10
44)	TP	1,2-Dichloroet...	0.320	0.328	0.274	0.303	0.332	0.333	0.340	0.332		0.320	6.78
47)	TP	Methyl cyclohe...	0.272	0.377	0.261	0.300	0.359	0.440	0.492	0.495		*Q	0.9941
48)	TP	Trichloroethene	0.189	0.261	0.198	0.220	0.257	0.275	0.296	0.302	0.183	0.242	18.92
50)	TP	Dibromomethane	0.130	0.149	0.130	0.146	0.152	0.163	0.170	0.167		0.151	10.12
51)	TC	1,2-Dichloropr...	0.194	0.257	0.217	0.240	0.250	0.270	0.280	0.274		0.248	12.00
53)	TP	2-Chloroethyl ...		0.088	0.076	0.091	0.080	0.110	0.118	0.114		0.097	17.67
54)	TP	Bromodichlorom...	0.325	0.355	0.299	0.333	0.362	0.377	0.392	0.388	0.288	0.347	10.88
57)	TP	1,4-Dioxane		0.002	0.002	0.002	0.001	0.002	0.002	0.002		*L	0.9993
58)	TP	cis-1,3-Dichlo...	0.362	0.399	0.344	0.390	0.387	0.442	0.463	0.459	0.302	0.394	13.70
59)	I	Chlorobenzene-d5	----------	ISTD	----------								
60)	S	Toluene-d8	1.315	1.307	1.321	1.296	1.299	1.294	1.271	1.271	1.294	1.296	1.33
61)	TC	Toluene	0.669	0.790	0.642	0.693	0.809	0.836	0.868	0.876		0.773	11.92
62)	TP	4-Methyl-2-pen...		0.076	0.075	0.090	0.056	0.104	0.106	0.103		*L	0.9975
63)	TP	Tetrachloroethene	0.214	0.308	0.236	0.254	0.305	0.337	0.361	0.373	0.222	*Q	0.9971
65)	TP	trans-1,3-Dich...	0.431	0.474	0.415	0.466	0.458	0.530	0.539	0.533		0.481	10.01
67)	TP	Ethyl methacry...	0.313	0.310	0.288	0.334	0.308	0.388	0.406	0.400		0.343	13.68
68)	TP	1,1,2-Trichlor...	0.207	0.228	0.201	0.223	0.234	0.246	0.251	0.247		0.230	8.11
69)	TP	Chlorodibromom...	0.303	0.326	0.284	0.313	0.325	0.359	0.370	0.368	0.265	0.324	11.41
70)	TP	1,3-Dichloropr...	0.434	0.465	0.406	0.447	0.464	0.505	0.504	0.490		0.464	7.50
71)	TP	1,2-Dibromoethane	0.219	0.270	0.236	0.258	0.264	0.294	0.302	0.294	0.189	0.258	14.69
72)	TP	2-Hexanone	0.136	0.167	0.141	0.168	0.150	0.196	0.194	0.182		0.167	13.82
73)	TP	Chlorobenzene	0.775	0.915	0.776	0.841	0.945	0.974	1.005	1.013	0.884	0.903	10.08
74)	TC	Ethylbenzene	1.221	1.434	1.191	1.304	1.501	1.629	1.691	1.680		1.456	13.90

Response Factor Report VOA111

Method Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Method File : V111_230118_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jan 19 11:49:17 2023
Response Via : Initial Calibration

Calibration Files
L1 =V11230118A05.D L2 =V11230118A09.D L3 =V11230118A10.D L4 =V11230118A11.D L1.5=V11230118A07.D
L6 =V11230118A12.D L7 =V11230118A13.D L8 =V11230118A14.D L0 =V11230118A03.D

		Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
75)	TP	1,1,1,2-Tetrac...	0.279	0.319	0.278	0.306	0.308	0.356	0.365	0.366	0.208	0.309	16.49
76)	TP	p/m Xylene	0.471	0.536	0.462	0.511	0.537	0.633	0.666	0.688	0.488	0.555	15.48
77)	TP	o Xylene	0.454	0.517	0.457	0.500	0.520	0.616	0.647	0.659	0.455	0.536	15.50
78)	TP	Styrene	0.735	0.842	0.778	0.877	0.834	1.070	1.107	1.120	0.785	0.905	16.74
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------										
80)	TP	Bromoform	0.319	0.361	0.332	0.380	0.369	0.439	0.484	0.515		0.400	17.93
82)	TP	Isopropylbenzene	2.189	2.621	2.192	2.358	2.702	3.000	3.226	3.386		2.709	16.96
83)	S	4-Bromofluorob...	0.857	0.837	0.844	0.826	0.834	0.829	0.833	0.856	0.874	0.843	1.90
84)	TP	Bromobenzene	0.628	0.721	0.621	0.668	0.722	0.760	0.807	0.844		0.721	11.18
85)	TP	n-Propylbenzene	2.891	3.239	2.712	2.945	3.457	3.726	3.979	4.142		3.386	15.63
86)	TP	1,4-Dichlorobu...	0.793	0.830	0.692	0.770	0.828	0.870	0.895	0.905		0.823	8.58
87)	TP	1,1,2,2-Tetrac...	0.701	0.711	0.594	0.641	0.706	0.711	0.736	0.727	0.582	0.679	8.55
88)	TP	4-Ethyltoluene	2.200	2.587	2.254	2.430	2.732	3.019	3.184	3.307		2.714	15.50
89)	TP	2-Chlorotoluene	1.809	1.922	1.690	1.784	2.097	2.102	2.199	2.288		1.986	10.88
90)	TP	1,3,5-Trimethy...	1.939	2.129	1.926	2.086	2.212	2.564	2.737	2.886		2.310	16.00
91)	TP	1,2,3-Trichlor...	0.510	0.544	0.450	0.503	0.515	0.560	0.585	0.593		0.532	8.90
92)	TP	trans-1,4-Dich...	0.123	0.190	0.161	0.184	0.157	0.200	0.204	0.201		0.177	16.00
93)	TP	4-Chlorotoluene	1.830	1.972	1.756	1.939	2.087	2.246	2.301	2.385		2.064	11.08
94)	TP	tert-Butylbenzene	1.660	1.882	1.551	1.704	1.883	2.168	2.332	2.422		1.950	16.55
97)	TP	1,2,4-Trimethy...	1.822	2.154	1.946	2.158	2.260	2.575	2.700	2.786		2.300	15.32
98)	TP	sec-Butylbenzene	2.335	2.826	2.357	2.594	2.928	3.363	3.564	3.655		2.953	17.73
99)	TP	p-Isopropyltol...	2.017	2.303	2.014	2.231	2.480	2.888	3.056	3.169		2.520	18.28
100)	TP	1,3-Dichlorobe...	1.253	1.361	1.200	1.315	1.400	1.507	1.540	1.600		1.397	10.18
101)	TP	1,4-Dichlorobe...	1.355	1.448	1.224	1.330	1.480	1.511	1.546	1.585		1.435	8.52
102)	TP	p-Diethylbenzene	1.191	1.401	1.240	1.367	1.414	1.736	1.846	1.910		1.513	18.35
103)	TP	n-Butylbenzene	1.892	2.194	1.908	2.088	2.280	2.672	2.742	2.815		2.324	16.02
104)	TP	1,2-Dichlorobe...	1.223	1.295	1.134	1.263	1.325	1.420	1.454	1.462		1.322	8.86
105)	TP	1,2,4,5-Tetram...	1.947	2.065	1.984	2.246	2.207	2.687	2.841	2.929		2.363	16.75
106)	TP	1,2-Dibromo-3-...		0.093	0.088	0.098	0.077	0.114	0.118	0.113		0.100	15.41
107)	TP	1,3,5-Trichlor...	0.855	0.893	0.829	0.900	1.000	1.051	1.081	1.112		0.965	11.34
108)	TP	Hexachlorobuta...	0.311	0.407	0.329	0.353	0.411	0.468	0.498	0.505		0.410	18.36

Method Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Method File : V111_230118_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jan 19 11:49:17 2023
Response Via : Initial Calibration

Calibration Files
L1 =V11230118A05.D L2 =V11230118A09.D L3 =V11230118A10.D L4 =V11230118A11.D L1.5=V11230118A07.D
L6 =V11230118A12.D L7 =V11230118A13.D L8 =V11230118A14.D L0 =V11230118A03.D

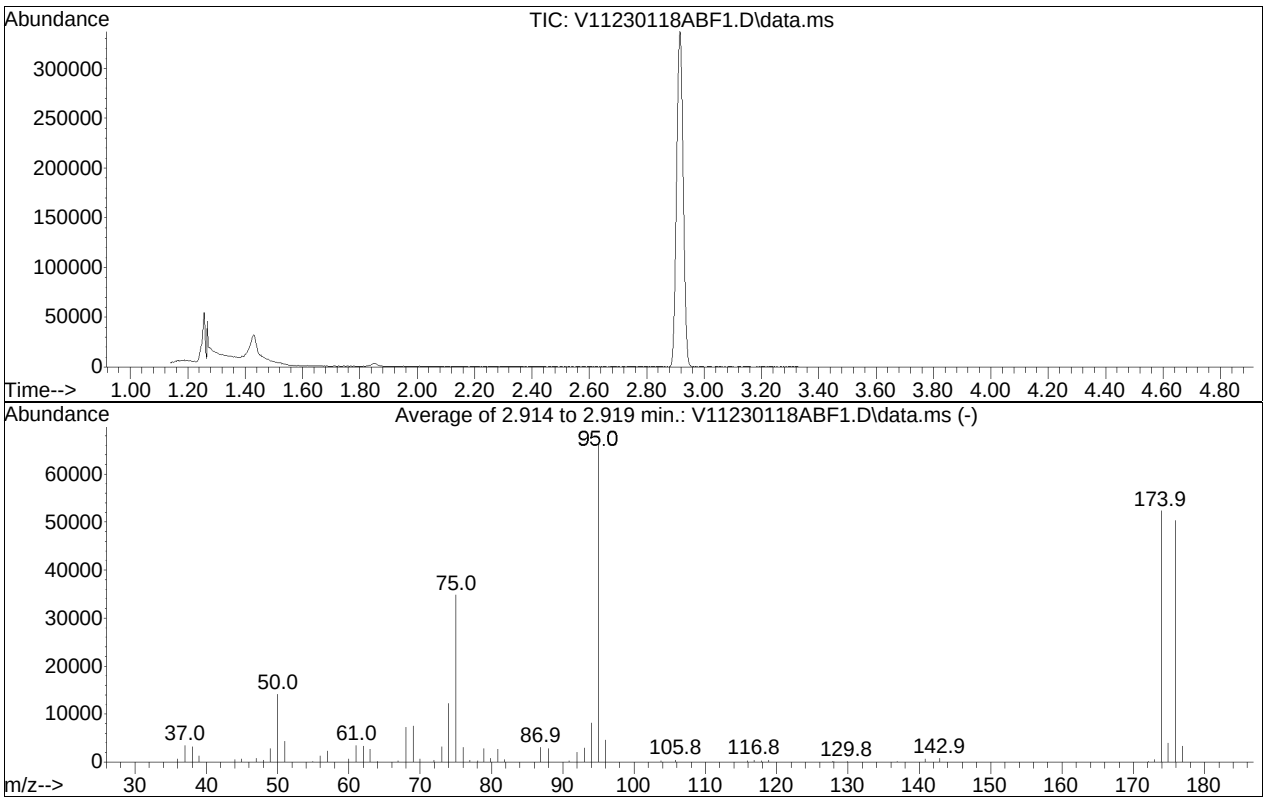
	Compound	L1	L2	L3	L4	L1.5	L6	L7	L8	L0	Avg	%RSD
109)	TP 1,2,4-Trichlor...	0.780	0.785	0.730	0.792	0.829	0.906	0.922	0.924		0.834	8.95
110)	TP Naphthalene	1.895	1.658	1.499	1.722	1.753	1.963	1.986	1.862		1.792	9.24
111)	TP 1,2,3-Trichlor...	0.600	0.662	0.615	0.682	0.688	0.785	0.782	0.755		0.696	10.30

(#) = Out of Range

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118ABF1.D
Acq On : 18 Jan 2023 10:20 am
Operator : VOA111:MKS
Sample : WG1735211-1
Misc : WG1735211
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jan 19 11:49:17 2023



AutoFind: Scans 637, 638, 639; Background Corrected with Scan 622

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.2	14095	PASS
75	95	30	60	52.2	34768	PASS
95	95	100	100	100.0	66555	PASS
96	95	5	9	6.8	4537	PASS
173	174	0.00	2	1.1	553	PASS
174	95	50	100	78.8	52443	PASS
175	174	5	9	7.5	3958	PASS
176	174	95	101	96.0	50336	PASS
177	176	5	9	6.5	3271	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A03.D
Acq On : 18 Jan 2023 11:38 am
Operator : VOA111:MKS
Sample : I8260STD0.5PPB
Misc : WG1735211
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 19 11:27:24 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-L0_OH - Level 0.5ppb for Soils OH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	108110	20.000	ug/L	0.00
Standard Area 1 = 101933			Recovery = 106.06%			
59) Chlorobenzene-d5	9.846	117	82753	20.000	ug/L	0.00
Standard Area 1 = 76687			Recovery = 107.91%			
79) 1,4-Dichlorobenzene-d4	12.488	152	40149	20.000	ug/L	0.00
Standard Area 1 = 40493			Recovery = 99.15%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.436	113	27790	20.253	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.27%			
43) 1,2-Dichloroethane-d4	5.976	65	27759	20.479	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.40%			
60) Toluene-d8	7.984	98	107075	19.967	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.83%			
83) 4-Bromofluorobenzene	11.298	95	35092	21.151	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.76%			
Target Compounds						Qvalue
37) 1,1,1-Trichloroethane	5.473	97	760	0.481	ug/L #	69
40) 1,1-Dichloropropene	5.588	75	542	0.399	ug/L #	48
41) Benzene	5.851	78	2325	0.495	ug/L #	68
48) Trichloroethene	6.448	95	494	0.416	ug/L #	81
54) Bromodichloromethane	7.072	83	778	0.432	ug/L #	77
58) cis-1,3-Dichloropropene	7.764	75	816	0.387	ug/L	98
63) Tetrachloroethene	8.504	166	460	0.438	ug/L #	37
69) Chlorodibromomethane	8.928	129	549	0.423	ug/L #	77
71) 1,2-Dibromoethane	9.217	107	391	0.366	ug/L	95
73) Chlorobenzene	9.867	112	1828	0.526	ug/L #	48
75) 1,1,1,2-Tetrachloroethane	9.956	131	430	0.339	ug/L #	47
76) p/m Xylene	10.097	106	2020	0.955	ug/L	93
77) o Xylene	10.622	106	1884	0.910	ug/L	94
78) Styrene	10.679	104	3248	0.895	ug/L	95
87) 1,1,2,2-Tetrachloroethane	11.529	83	584	0.454	ug/L #	92

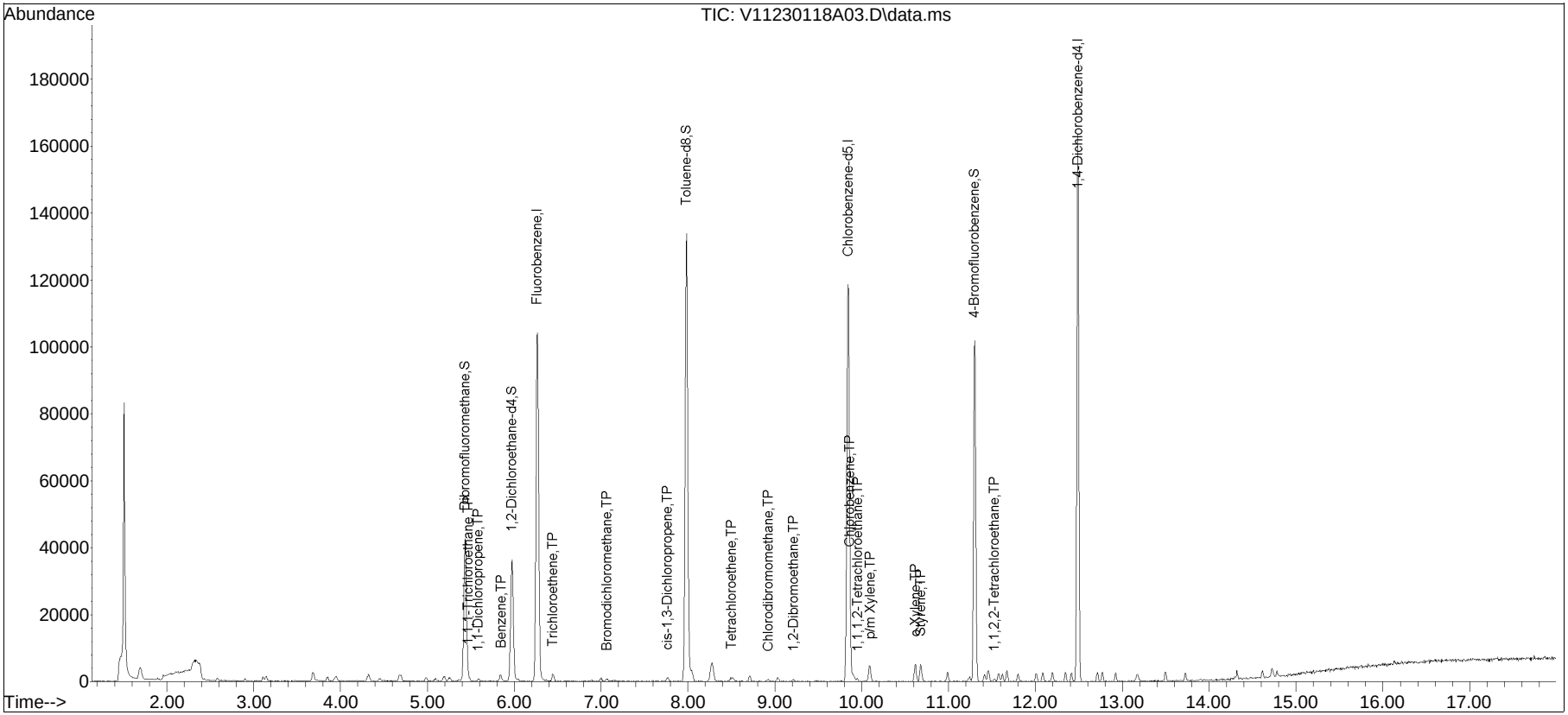
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A03.D
Acq On : 18 Jan 2023 11:38 am
Operator : VOA111:MKS
Sample : I8260STD0.5PPB
Misc : WG1735211
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 19 11:27:24 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

Sub List : 8260-L0_OH - Level 0.5ppb for Soils OHL\V11230118A11.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2Q	Method	: V111_230118_8260.m
Data File	: V11230118A03.D	Operator	: VOA111:MKS
Date Inj'd	: 1/18/2023 11:38 am	Instrument	: VOA111
Sample	: I8260STD0.5PPB	Quant Date	: 1/19/2023 11:21 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A05.D
Acq On : 18 Jan 2023 12:32 pm
Operator : VOA111:MKS
Sample : I8260STD1PPB
Misc : WG1735211
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 19 11:31:22 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.270	96	100713	20.000	ug/L	0.00
Standard Area 1 = 101933			Recovery = 98.80%			
59) Chlorobenzene-d5	9.841	117	76304	20.000	ug/L	-0.01
Standard Area 1 = 76687			Recovery = 99.50%			
79) 1,4-Dichlorobenzene-d4	12.488	152	37993	20.000	ug/L	0.00
Standard Area 1 = 40493			Recovery = 93.83%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.436	113	25814	20.195	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.97%			
43) 1,2-Dichloroethane-d4	5.971	65	26173	20.727	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.64%			
60) Toluene-d8	7.985	98	100356	20.296	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.48%			
83) 4-Bromofluorobenzene	11.303	95	32574	20.747	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.74%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	815	0.862	ug/L #	58
3) Chloromethane	1.903	50	1211	0.977	ug/L #	57
4) Vinyl chloride	1.960	62	1326	0.899	ug/L	86
5) Bromomethane	2.301	94	2019	1.277	ug/L	93
6) Chloroethane	2.437	64	541	0.737	ug/L #	62
7) Trichlorofluoromethane	2.589	101	1251	0.939	ug/L	93
8) Ethyl ether	2.909	74	388	0.781	ug/L #	73
10) 1,1-Dichloroethene	3.108	96	797	0.935	ug/L #	77
11) Carbon disulfide	0.000		0	N.D.	d	
12) Freon-113	3.156	101	755	0.892	ug/L	84
14) Acrolein	0.000		0	N.D.		
15) Methylene chloride	3.690	84	1923	1.560	ug/L #	65
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	3.853	96	933	0.877	ug/L	81
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	3.947	73	2783	1.041	ug/L	96
21) tert-Butyl alcohol	0.000		0	N.D.	d	
22) Diisopropyl ether	4.325	45	3347	0.931	ug/L #	86
23) 1,1-Dichloroethane	4.451	63	1895	0.950	ug/L #	85
24) Halothane	0.000		0	N.D.	d	
25) Acrylonitrile	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A05.D
Acq On : 18 Jan 2023 12:32 pm
Operator : VOA111:MKS
Sample : I8260STD1PPB
Misc : WG1735211
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 19 11:31:22 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.687	59	3362	0.952	ug/L		91
27) Vinyl acetate	0.000		0	N.D.	d		
28) cis-1,2-Dichloroethene	4.991	96	1158	0.914	ug/L	#	79
29) 2,2-Dichloropropane	5.096	77	1498	0.991	ug/L	#	78
30) Bromochloromethane	5.179	128	478	0.791	ug/L	#	71
31) Cyclohexane	5.200	56	1335	0.953	ug/L		76
32) Chloroform	5.258	83	1951	0.934	ug/L	#	89
33) Ethyl acetate	0.000		0	N.D.	d		
34) Carbon tetrachloride	5.410	117	1192	0.926	ug/L	#	85
35) Tetrahydrofuran	0.000		0	N.D.	d		
37) 1,1,1-Trichloroethane	5.468	97	1490	1.012	ug/L	#	81
39) 2-Butanone	0.000		0	N.D.	d		
40) 1,1-Dichloropropene	5.594	75	1143	0.903	ug/L		85
41) Benzene	5.840	78	4252	0.972	ug/L	#	84
42) tert-Amyl methyl ether	5.955	73	3160	0.968	ug/L	#	78
44) 1,2-Dichloroethane	6.045	62	1613	1.058	ug/L	#	83
47) Methyl cyclohexane	6.448	83	1372	0.908	ug/L	#	67
48) Trichloroethene	6.454	95	954	0.863	ug/L		92
50) Dibromomethane	6.894	93	655	0.890	ug/L		95
51) 1,2-Dichloropropane	7.004	63	977	0.809	ug/L		95
53) 2-Chloroethyl vinyl ether	7.696	63	240	0.525	ug/L	#	35
54) Bromodichloromethane	7.062	83	1637	0.977	ug/L	#	87
57) 1,4-Dioxane	0.000		0	N.D.			
58) cis-1,3-Dichloropropene	7.770	75	1822	0.928	ug/L	#	86
61) Toluene	8.042	92	2553	0.965	ug/L		90
62) 4-Methyl-2-pentanone	0.000		0	N.D.	d		
63) Tetrachloroethene	8.493	166	817	0.844	ug/L		90
65) trans-1,3-Dichloropropene	8.519	75	1643	0.924	ug/L	#	83
67) Ethyl methacrylate	8.713	69	1195	0.939	ug/L	#	90
68) 1,1,2-Trichloroethane	8.703	83	789	0.929	ug/L		93
69) Chlorodibromomethane	8.923	129	1156	0.967	ug/L	#	89
70) 1,3-Dichloropropane	9.033	76	1654	0.971	ug/L		89
71) 1,2-Dibromoethane	9.211	107	835	0.847	ug/L		87
72) 2-Hexanone	9.484	43	517	0.808	ug/L	#	65
73) Chlorobenzene	9.867	112	2958	0.922	ug/L	#	63
74) Ethylbenzene	9.903	91	4657	0.936	ug/L		97
75) 1,1,1,2-Tetrachloroethane	9.951	131	1063	0.910	ug/L	#	63
76) p/m Xylene	10.092	106	3596	1.844	ug/L		99
77) o Xylene	10.617	106	3468	1.818	ug/L		100
78) Styrene	10.679	104	5611	1.677	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A05.D
Acq On : 18 Jan 2023 12:32 pm
Operator : VOA111:MKS
Sample : I8260STD1PPB
Misc : WG1735211
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 19 11:31:22 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	10.706	173	606	0.839	ug/L		84
82) Isopropylbenzene	10.984	105	4159	0.928	ug/L		95
84) Bromobenzene	11.408	156	1193	0.940	ug/L		94
85) n-Propylbenzene	11.455	91	5491	0.982	ug/L		93
86) 1,4-Dichlorobutane	11.466	55	1506	1.030	ug/L		93
87) 1,1,2,2-Tetrachloroethane	11.529	83	1332	1.094	ug/L	#	88
88) 4-Ethyltoluene	11.576	105	4179	0.905	ug/L		97
89) 2-Chlorotoluene	11.623	91	3437	1.014	ug/L		96
90) 1,3,5-Trimethylbenzene	11.670	105	3684	0.929	ug/L		95
91) 1,2,3-Trichloropropane	11.665	75	968	1.013	ug/L	#	73
92) trans-1,4-Dichloro-2-b...	11.718	53	233	0.668	ug/L	#	67
93) 4-Chlorotoluene	11.796	91	3476	0.944	ug/L		99
94) tert-Butylbenzene	12.011	119	3153	0.974	ug/L		94
97) 1,2,4-Trimethylbenzene	12.085	105	3461	0.844	ug/L		95
98) sec-Butylbenzene	12.200	105	4435	0.900	ug/L		93
99) p-Isopropyltoluene	12.347	119	3831	0.904	ug/L		94
100) 1,3-Dichlorobenzene	12.415	146	2380	0.953	ug/L		96
101) 1,4-Dichlorobenzene	12.504	146	2574M3	1.019	ug/L		
102) p-Diethylbenzene	12.714	119	2262	0.871	ug/L		95
103) n-Butylbenzene	12.771	91	3594	0.906	ug/L		98
104) 1,2-Dichlorobenzene	12.924	146	2323	0.968	ug/L		97
105) 1,2,4,5-Tetramethylben...	13.495	119	3698	0.867	ug/L		99
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
107) 1,3,5-Trichlorobenzene	13.726	180	1624	0.950	ug/L		93
108) Hexachlorobutadiene	14.297	225	591	0.882	ug/L		97
109) 1,2,4-Trichlorobenzene	14.318	180	1482	0.985	ug/L	#	94
110) Naphthalene	14.617	128	3600	1.101	ug/L		100
111) 1,2,3-Trichlorobenzene	14.780	180	1140	0.880	ug/L	#	81

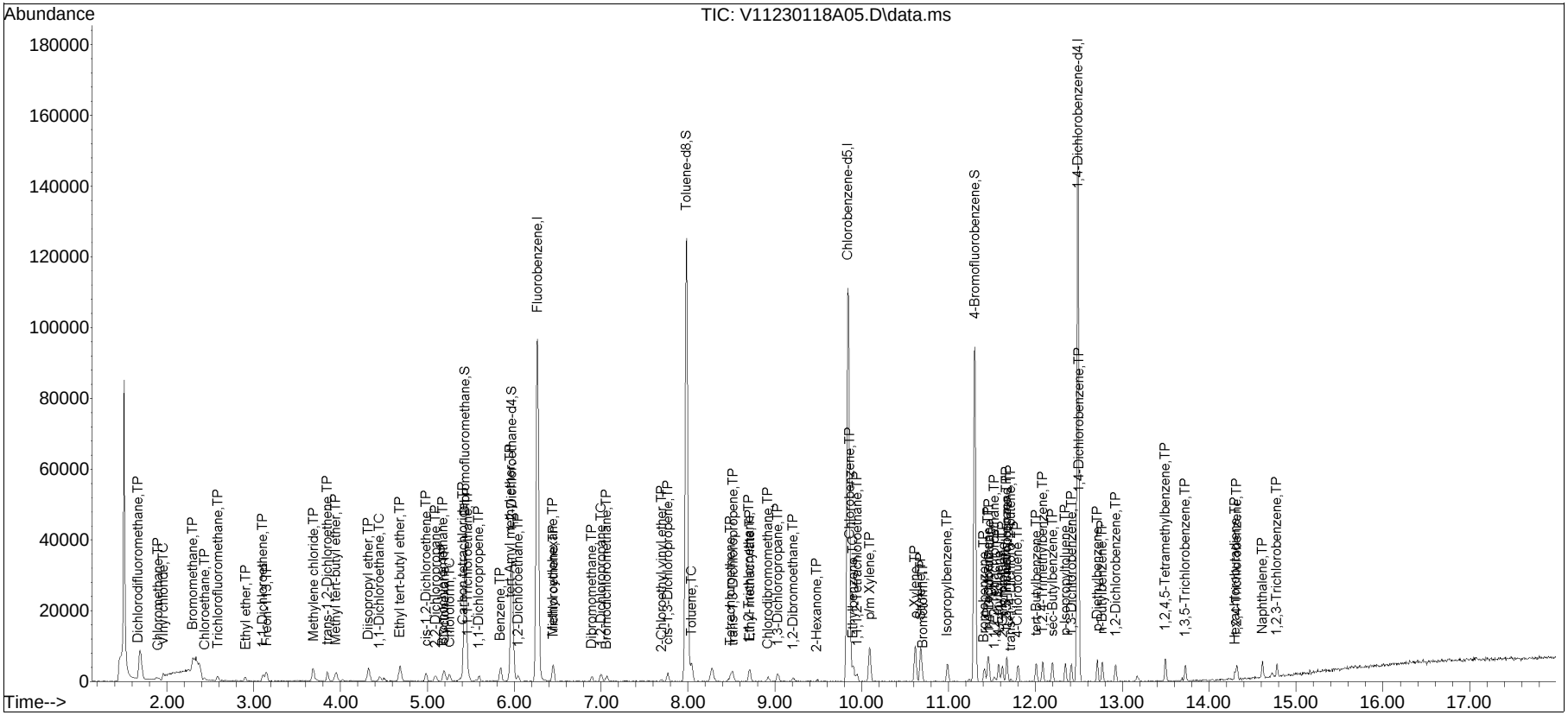
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A05.D
Acq On : 18 Jan 2023 12:32 pm
Operator : VOA111:MKS
Sample : I8260STD1PPB
Misc : WG1735211
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 19 11:31:22 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

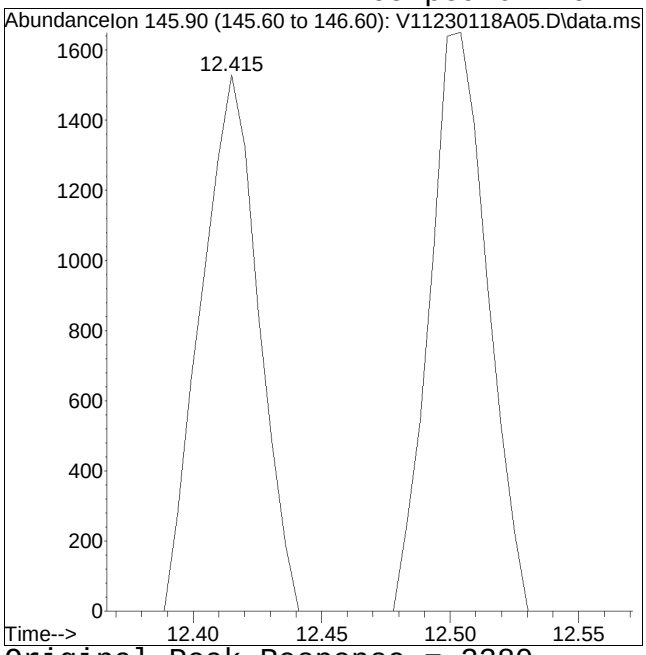
Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11230118A11.D•

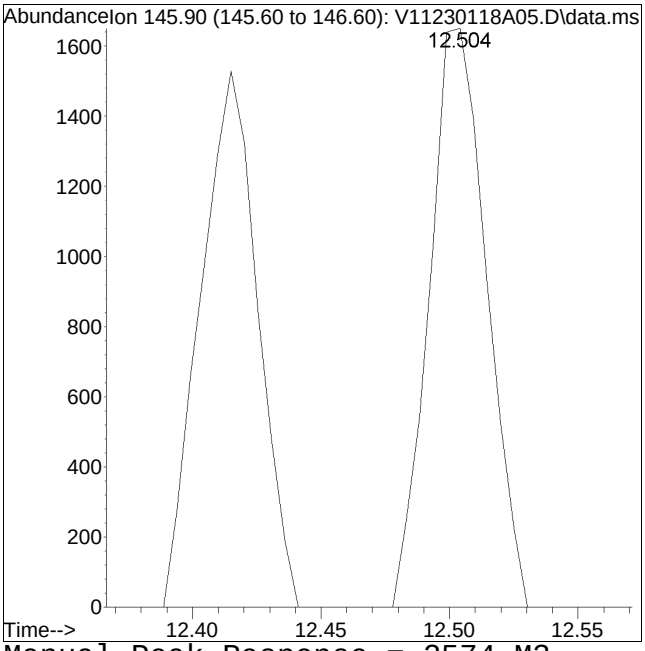


Manual Integration Report

Data Path : I:\VOLATILES\VOA111\2023\2QMethod : V111_230118_8260.m
Data File : V11230118A05.D Operator : VOA111:MKS
Date Inj'd : 1/18/2023 12:32 pm Instrument : VOA111
Sample : I8260STD1PPB Quant Date : 1/19/2023 11:21 am

Compound #101: 1,4-Dichlorobenzene





Original Peak Response = 2380 Manual Peak Response = 2574 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A07.D
Acq On : 18 Jan 2023 01:25 pm
Operator : VOA111:MKS
Sample : I8260STD2PPB
Misc : WG1735211
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 19 11:33:08 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	98547	20.000	ug/L	0.00
Standard Area 1 = 101933			Recovery = 96.68%			
59) Chlorobenzene-d5	9.846	117	74601	20.000	ug/L	0.00
Standard Area 1 = 76687			Recovery = 97.28%			
79) 1,4-Dichlorobenzene-d4	12.489	152	36915	20.000	ug/L	0.00
Standard Area 1 = 40493			Recovery = 91.16%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.437	113	25311	20.236	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.18%			
43) 1,2-Dichloroethane-d4	5.977	65	24978	20.215	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.08%			
60) Toluene-d8	7.985	98	96914	20.047	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.24%			
83) 4-Bromofluorobenzene	11.298	95	30778	20.176	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	2374	2.567	ug/L #	84
3) Chloromethane	1.903	50	3045	2.510	ug/L #	95
4) Vinyl chloride	1.960	62	3751	2.598	ug/L	100
5) Bromomethane	2.296	94	4551	2.942	ug/L	93
6) Chloroethane	2.432	64	1490	2.075	ug/L	99
7) Trichlorofluoromethane	2.590	101	3098	2.375	ug/L	97
8) Ethyl ether	2.904	74	948	1.951	ug/L #	66
10) 1,1-Dichloroethene	3.114	96	1982	2.375	ug/L	81
11) Carbon disulfide	3.140	76	5180	2.908	ug/L	95
12) Freon-113	3.156	101	2044	2.467	ug/L	90
14) Acrolein	0.000		0	N.D.		
15) Methylene chloride	3.685	84	3197	2.651	ug/L	67
17) Acetone	3.727	43	853	2.817	ug/L #	61
18) trans-1,2-Dichloroethene	3.848	96	2460	2.364	ug/L	79
19) Methyl acetate	3.858	43	1306	2.191	ug/L #	76
20) Methyl tert-butyl ether	3.948	73	5431	2.076	ug/L	87
21) tert-Butyl alcohol	4.037	59	898	8.288	ug/L #	59
22) Diisopropyl ether	4.325	45	7165	2.038	ug/L #	85
23) 1,1-Dichloroethane	4.456	63	4372	2.240	ug/L	98
24) Halothane	4.503	117	1762	2.424	ug/L	85
25) Acrylonitrile	4.498	53	397	1.410	ug/L #	84

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A07.D
Acq On : 18 Jan 2023 01:25 pm
Operator : VOA111:MKS
Sample : I8260STD2PPB
Misc : WG1735211
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 19 11:33:08 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.687	59	6940	2.009	ug/L		89
27) Vinyl acetate	4.692	43	4549	2.049	ug/L		98
28) cis-1,2-Dichloroethene	4.986	96	2705	2.181	ug/L	#	82
29) 2,2-Dichloropropane	5.096	77	3727	2.519	ug/L		88
30) Bromochloromethane	5.190	128	1203	2.034	ug/L	#	71
31) Cyclohexane	5.201	56	3408	2.485	ug/L	#	60
32) Chloroform	5.253	83	4605	2.252	ug/L		94
33) Ethyl acetate	0.000		0	N.D.	d		
34) Carbon tetrachloride	5.405	117	3171	2.517	ug/L		94
35) Tetrahydrofuran	0.000		0	N.D.	d		
37) 1,1,1-Trichloroethane	5.468	97	3512	2.437	ug/L		95
39) 2-Butanone	0.000		0	N.D.	d		
40) 1,1-Dichloropropene	5.594	75	3050	2.462	ug/L		96
41) Benzene	5.846	78	9863	2.305	ug/L	#	87
42) tert-Amyl methyl ether	5.950	73	6313	1.977	ug/L		86
44) 1,2-Dichloroethane	6.045	62	3273	2.193	ug/L		95
47) Methyl cyclohexane	6.448	83	3533	2.390	ug/L	#	70
48) Trichloroethene	6.448	95	2537	2.345	ug/L		96
50) Dibromomethane	6.894	93	1498	2.079	ug/L		90
51) 1,2-Dichloropropane	7.004	63	2462	2.082	ug/L		95
53) 2-Chloroethyl vinyl ether	7.691	63	790	1.766	ug/L	#	60
54) Bromodichloromethane	7.067	83	3569	2.177	ug/L	#	92
57) 1,4-Dioxane	7.277	88	338	32.580	ug/L	#	25
58) cis-1,3-Dichloropropene	7.765	75	3814	1.986	ug/L		91
61) Toluene	8.042	92	6036	2.333	ug/L		97
62) 4-Methyl-2-pentanone	8.472	58	415	1.231	ug/L	#	64
63) Tetrachloroethene	8.493	166	2278	2.406	ug/L		97
65) trans-1,3-Dichloropropene	8.514	75	3419	1.967	ug/L		84
67) Ethyl methacrylate	8.708	69	2298	1.847	ug/L		93
68) 1,1,2-Trichloroethane	8.713	83	1749	2.107	ug/L		96
69) Chlorodibromomethane	8.928	129	2428	2.077	ug/L		97
70) 1,3-Dichloropropane	9.039	76	3463	2.079	ug/L		98
71) 1,2-Dibromoethane	9.212	107	1966	2.039	ug/L		98
72) 2-Hexanone	9.484	43	1122	1.794	ug/L	#	92
73) Chlorobenzene	9.862	112	7050	2.249	ug/L	#	80
74) Ethylbenzene	9.904	91	11197	2.302	ug/L		96
75) 1,1,1,2-Tetrachloroethane	9.951	131	2299	2.013	ug/L		97
76) p/m Xylene	10.087	106	8017	4.205	ug/L		93
77) o Xylene	10.617	106	7760	4.160	ug/L		99
78) Styrene	10.680	104	12442	3.804	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A07.D
Acq On : 18 Jan 2023 01:25 pm
Operator : VOA111:MKS
Sample : I8260STD2PPB
Misc : WG1735211
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 19 11:33:08 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	10.706	173	1361	1.939	ug/L		87
82) Isopropylbenzene	10.989	105	9975	2.292	ug/L		98
84) Bromobenzene	11.414	156	2665	2.160	ug/L		100
85) n-Propylbenzene	11.456	91	12762	2.348	ug/L		98
86) 1,4-Dichlorobutane	11.466	55	3057	2.151	ug/L		99
87) 1,1,2,2-Tetrachloroethane	11.529	83	2608	2.204	ug/L		93
88) 4-Ethyltoluene	11.576	105	10087	2.249	ug/L		99
89) 2-Chlorotoluene	11.618	91	7741	2.352	ug/L		94
90) 1,3,5-Trimethylbenzene	11.671	105	8165	2.120	ug/L		97
91) 1,2,3-Trichloropropane	11.671	75	1901	2.047	ug/L		93
92) trans-1,4-Dichloro-2-b...	11.718	53	578	1.706	ug/L	#	73
93) 4-Chlorotoluene	11.802	91	7706	2.153	ug/L		99
94) tert-Butylbenzene	12.006	119	6951	2.209	ug/L		99
97) 1,2,4-Trimethylbenzene	12.085	105	8342	2.094	ug/L		99
98) sec-Butylbenzene	12.195	105	10809	2.258	ug/L		97
99) p-Isopropyltoluene	12.347	119	9156	2.224	ug/L		97
100) 1,3-Dichlorobenzene	12.415	146	5167	2.129	ug/L		98
101) 1,4-Dichlorobenzene	12.504	146	5462	2.225	ug/L		95
102) p-Diethylbenzene	12.714	119	5221	2.070	ug/L		94
103) n-Butylbenzene	12.772	91	8418	2.184	ug/L		96
104) 1,2-Dichlorobenzene	12.924	146	4891	2.097	ug/L		97
105) 1,2,4,5-Tetramethylben...	13.495	119	8146	1.965	ug/L		94
106) 1,2-Dibromo-3-chloropr...	13.689	155	286	1.581	ug/L		100
107) 1,3,5-Trichlorobenzene	13.726	180	3693	2.224	ug/L		98
108) Hexachlorobutadiene	14.297	225	1519	2.334	ug/L		98
109) 1,2,4-Trichlorobenzene	14.324	180	3062	2.094	ug/L		95
110) Naphthalene	14.612	128	6473	2.037	ug/L		100
111) 1,2,3-Trichlorobenzene	14.780	180	2539	2.018	ug/L		92

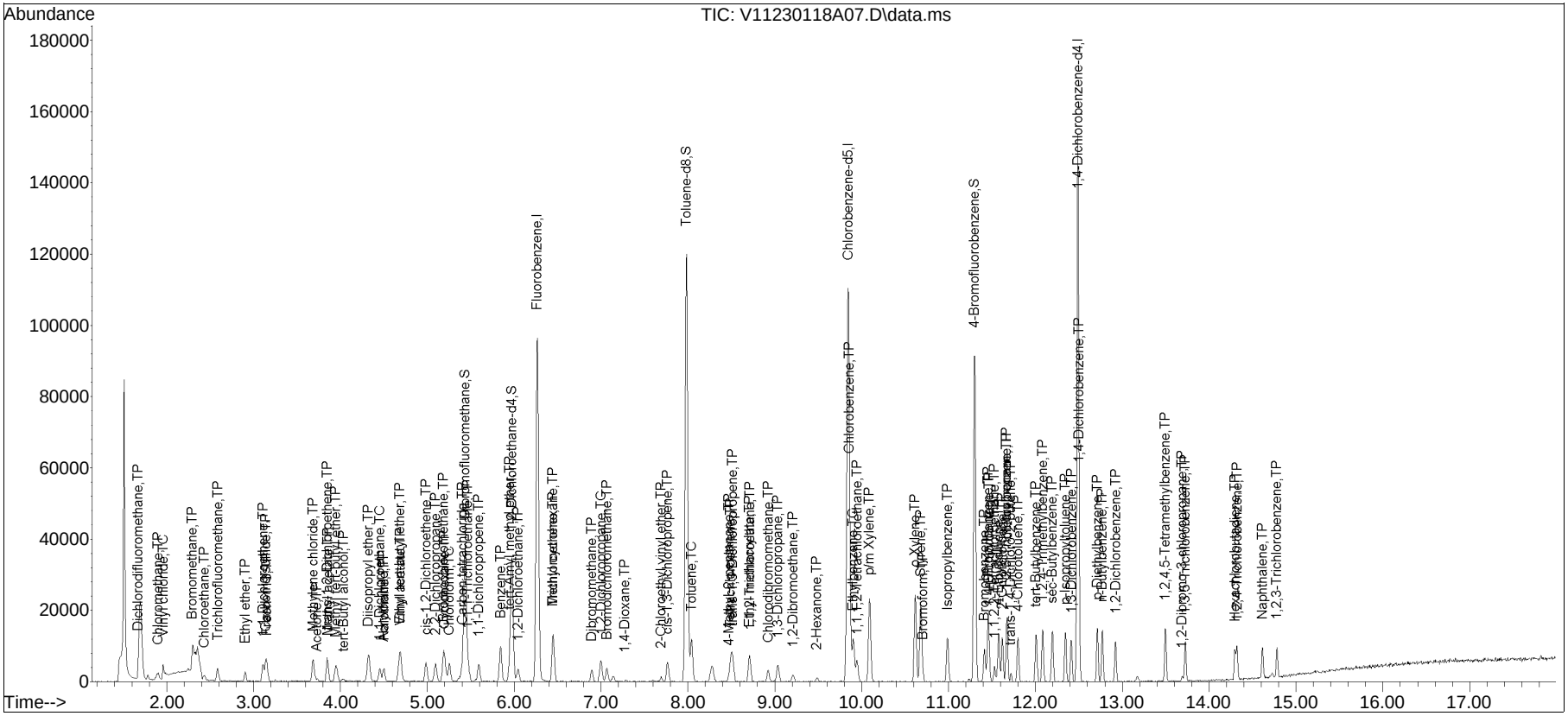
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A07.D
Acq On : 18 Jan 2023 01:25 pm
Operator : VOA111:MKS
Sample : I8260STD2PPB
Misc : WG1735211
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 19 11:33:08 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11230118A11.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2Q	Method	: V111_230118_8260.m
Data File	: V11230118A07.D	Operator	: VOA111:MKS
Date Inj'd	: 1/18/2023 1:25 pm	Instrument	: VOA111
Sample	: I8260STD2PPB	Quant Date	: 1/19/2023 11:22 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A09.D
Acq On : 18 Jan 2023 02:19 pm
Operator : VOA111:MKS
Sample : I8260STD4PPB
Misc : WG1735211
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 19 11:34:49 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	96262	20.000	ug/L	0.00
Standard Area 1 = 101933			Recovery = 94.44%			
59) Chlorobenzene-d5	9.846	117	72980	20.000	ug/L	0.00
Standard Area 1 = 76687			Recovery = 95.17%			
79) 1,4-Dichlorobenzene-d4	12.488	152	36926	20.000	ug/L	0.00
Standard Area 1 = 40493			Recovery = 91.19%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.436	113	24943	20.415	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.08%			
43) 1,2-Dichloroethane-d4	5.971	65	24570	20.357	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.79%			
60) Toluene-d8	7.985	98	95350	20.162	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.81%			
83) 4-Bromofluorobenzene	11.298	95	30902	20.251	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.26%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	5077	5.620	ug/L #	92
3) Chloromethane	1.892	50	5819	4.910	ug/L	97
4) Vinyl chloride	1.960	62	7747	5.492	ug/L	96
5) Bromomethane	2.301	94	8911	5.897	ug/L	99
6) Chloroethane	2.432	64	3365	4.797	ug/L	98
7) Trichlorofluoromethane	2.589	101	6764	5.309	ug/L	100
8) Ethyl ether	2.904	74	1909	4.022	ug/L #	70
10) 1,1-Dichloroethene	3.108	96	4181	5.130	ug/L	80
11) Carbon disulfide	3.140	76	9431	5.420	ug/L	98
12) Freon-113	3.150	101	4446	5.493	ug/L	93
14) Acrolein	3.428	56	343	3.087	ug/L #	78
15) Methylene chloride	3.685	84	5839	4.956	ug/L	67
17) Acetone	3.727	43	1490	5.037	ug/L #	82
18) trans-1,2-Dichloroethene	3.848	96	4860	4.780	ug/L	83
19) Methyl acetate	3.848	43	2566	4.406	ug/L	98
20) Methyl tert-butyl ether	3.953	73	10646	4.167	ug/L	90
21) tert-Butyl alcohol	4.026	59	2078	19.634	ug/L #	79
22) Diisopropyl ether	4.320	45	14308	4.166	ug/L #	90
23) 1,1-Dichloroethane	4.451	63	8676	4.551	ug/L	96
24) Halothane	4.498	117	3686	5.192	ug/L	95
25) Acrylonitrile	4.493	53	1077	3.916	ug/L	95

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A09.D
Acq On : 18 Jan 2023 02:19 pm
Operator : VOA111:MKS
Sample : I8260STD4PPB
Misc : WG1735211
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 19 11:34:49 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.687	59	13507	4.003	ug/L		89
27) Vinyl acetate	4.692	43	8657	3.992	ug/L	#	96
28) cis-1,2-Dichloroethene	4.985	96	5223	4.311	ug/L		84
29) 2,2-Dichloropropane	5.090	77	7329	5.070	ug/L		90
30) Bromochloromethane	5.185	128	2510	4.344	ug/L	#	69
31) Cyclohexane	5.200	56	6941	5.182	ug/L	#	58
32) Chloroform	5.253	83	9024	4.518	ug/L		95
33) Ethyl acetate	5.363	43	3764	4.143	ug/L	#	89
34) Carbon tetrachloride	5.405	117	6535	5.310	ug/L		94
35) Tetrahydrofuran	5.421	42	998	4.089	ug/L		93
37) 1,1,1-Trichloroethane	5.473	97	7135	5.069	ug/L		95
39) 2-Butanone	5.552	43	1756	4.297	ug/L	#	68
40) 1,1-Dichloropropene	5.594	75	5917	4.890	ug/L		97
41) Benzene	5.845	78	19235	4.602	ug/L	#	88
42) tert-Amyl methyl ether	5.955	73	12384	3.970	ug/L		88
44) 1,2-Dichloroethane	6.045	62	6315	4.332	ug/L		99
47) Methyl cyclohexane	6.448	83	7254	5.023	ug/L	#	65
48) Trichloroethene	6.448	95	5023	4.752	ug/L		98
50) Dibromomethane	6.894	93	2862	4.066	ug/L		97
51) 1,2-Dichloropropane	6.999	63	4942	4.279	ug/L		97
53) 2-Chloroethyl vinyl ether	7.691	63	1703	3.898	ug/L	#	73
54) Bromodichloromethane	7.067	83	6827	4.262	ug/L	#	99
57) 1,4-Dioxane	7.282	88	1700	167.752	ug/L	#	65
58) cis-1,3-Dichloropropene	7.764	75	7680	4.094	ug/L		90
61) Toluene	8.042	92	11534	4.558	ug/L		96
62) 4-Methyl-2-pentanone	8.472	58	1106	3.355	ug/L	#	96
63) Tetrachloroethene	8.498	166	4498	4.856	ug/L		99
65) trans-1,3-Dichloropropene	8.519	75	6912	4.064	ug/L		84
67) Ethyl methacrylate	8.708	69	4527	3.719	ug/L		94
68) 1,1,2-Trichloroethane	8.708	83	3330	4.100	ug/L		99
69) Chlorodibromomethane	8.923	129	4764	4.167	ug/L		96
70) 1,3-Dichloropropane	9.038	76	6787	4.165	ug/L		98
71) 1,2-Dibromoethane	9.206	107	3937	4.174	ug/L		99
72) 2-Hexanone	9.489	43	2433	3.977	ug/L	#	95
73) Chlorobenzene	9.867	112	13352	4.353	ug/L	#	84
74) Ethylbenzene	9.903	91	20935	4.399	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.945	131	4660	4.171	ug/L		97
76) p/m Xylene	10.092	106	15634	8.382	ug/L		99
77) o Xylene	10.617	106	15090	8.269	ug/L		98
78) Styrene	10.679	104	24570	7.679	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A09.D
Acq On : 18 Jan 2023 02:19 pm
Operator : VOA111:MKS
Sample : I8260STD4PPB
Misc : WG1735211
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 19 11:34:49 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Bromoform	10.706	173	2664	3.795	ug/L	98
82) Isopropylbenzene	10.989	105	19360	4.446	ug/L	99
84) Bromobenzene	11.414	156	5327	4.317	ug/L	98
85) n-Propylbenzene	11.455	91	23919	4.399	ug/L	98
86) 1,4-Dichlorobutane	11.466	55	6129	4.311	ug/L	96
87) 1,1,2,2-Tetrachloroethane	11.529	83	5251	4.436	ug/L	94
88) 4-Ethyltoluene	11.576	105	19103	4.257	ug/L	100
89) 2-Chlorotoluene	11.618	91	14192	4.310	ug/L	93
90) 1,3,5-Trimethylbenzene	11.670	105	15725	4.082	ug/L	98
91) 1,2,3-Trichloropropane	11.670	75	4020	4.328	ug/L	96
92) trans-1,4-Dichloro-2-b...	11.718	53	1400	4.130	ug/L	85
93) 4-Chlorotoluene	11.796	91	14564	4.069	ug/L	99
94) tert-Butylbenzene	12.011	119	13897	4.416	ug/L	97
97) 1,2,4-Trimethylbenzene	12.085	105	15906	3.992	ug/L	98
98) sec-Butylbenzene	12.195	105	20872	4.358	ug/L	98
99) p-Isopropyltoluene	12.347	119	17010	4.130	ug/L	99
100) 1,3-Dichlorobenzene	12.415	146	10053	4.141	ug/L	98
101) 1,4-Dichlorobenzene	12.504	146	10696	4.356	ug/L	98
102) p-Diethylbenzene	12.714	119	10345	4.099	ug/L	99
103) n-Butylbenzene	12.771	91	16202	4.202	ug/L	97
104) 1,2-Dichlorobenzene	12.924	146	9566	4.101	ug/L	98
105) 1,2,4,5-Tetramethylben...	13.495	119	15252	3.678	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.689	155	684	3.780	ug/L	100
107) 1,3,5-Trichlorobenzene	13.726	180	6595	3.971	ug/L	98
108) Hexachlorobutadiene	14.297	225	3004	4.614	ug/L	99
109) 1,2,4-Trichlorobenzene	14.323	180	5796	3.963	ug/L	96
110) Naphthalene	14.612	128	12245	3.852	ug/L	100
111) 1,2,3-Trichlorobenzene	14.780	180	4889	3.884	ug/L	96

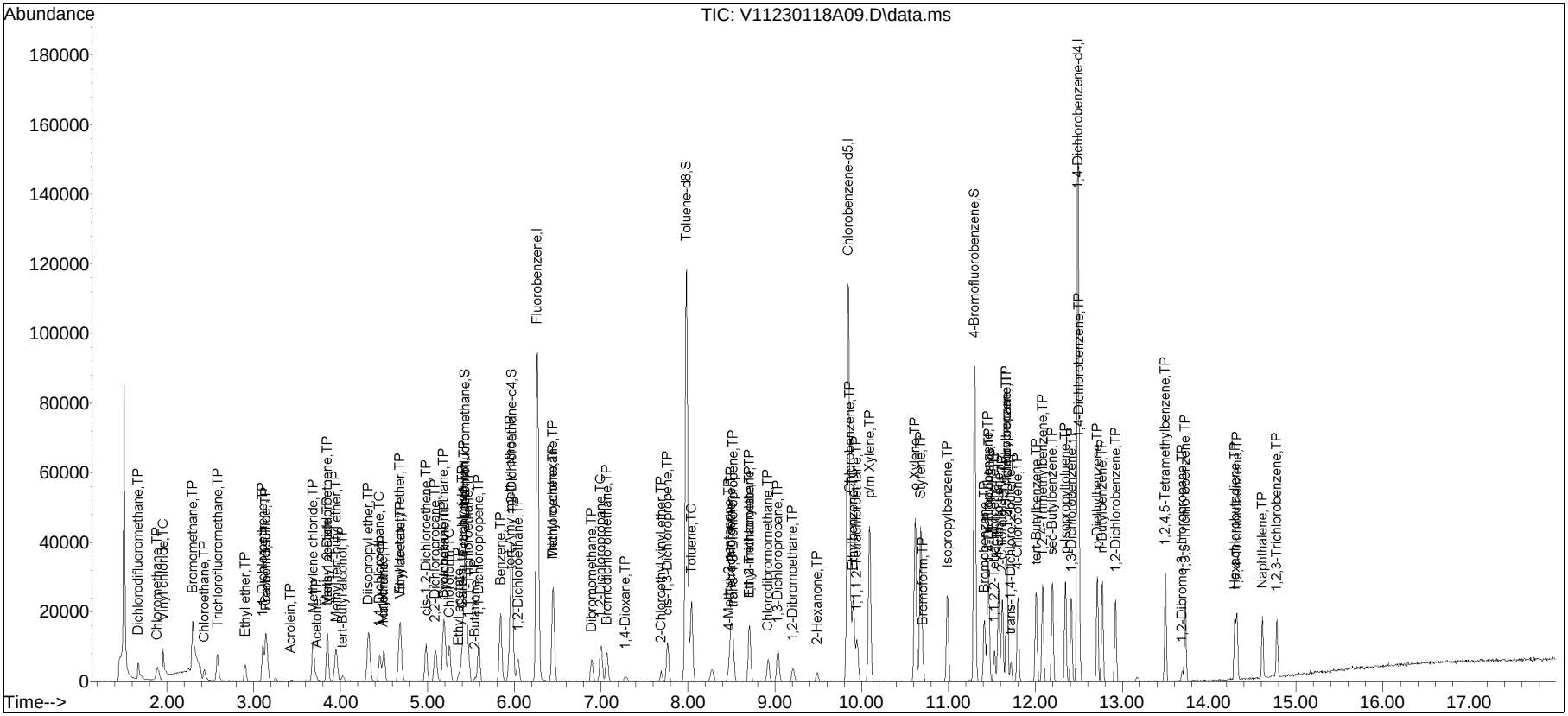
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A09.D
Acq On : 18 Jan 2023 02:19 pm
Operator : VOA111:MKS
Sample : I8260STD4PPB
Misc : WG1735211
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 19 11:34:49 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11230118A11.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2Q	Method	: V111_230118_8260.m
Data File	: V11230118A09.D	Operator	: VOA111:MKS
Date Inj'd	: 1/18/2023 2:19 pm	Instrument	: VOA111
Sample	: I8260STD4PPB	Quant Date	: 1/19/2023 11:22 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A10.D
Acq On : 18 Jan 2023 02:46 pm
Operator : VOA111:MKS
Sample : I8260STD20PPB
Misc : WG1735211
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 19 11:35:52 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	99513	20.000	ug/L	0.00
Standard Area 1 = 101933			Recovery = 97.63%			
59) Chlorobenzene-d5	9.846	117	74038	20.000	ug/L	0.00
Standard Area 1 = 76687			Recovery = 96.55%			
79) 1,4-Dichlorobenzene-d4	12.489	152	38192	20.000	ug/L	0.00
Standard Area 1 = 40493			Recovery = 94.32%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.437	113	24950	19.754	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.77%			
43) 1,2-Dichloroethane-d4	5.977	65	25029	20.060	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.30%			
60) Toluene-d8	7.985	98	97819	20.388	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.94%			
83) 4-Bromofluorobenzene	11.304	95	32216	20.412	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.06%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	16049	17.186	ug/L	97
3) Chloromethane	1.897	50	22338	18.235	ug/L	97
4) Vinyl chloride	1.960	62	27181	18.640	ug/L	97
5) Bromomethane	2.301	94	31814	20.364	ug/L	98
6) Chloroethane	2.432	64	13207	18.211	ug/L	99
7) Trichlorofluoromethane	2.584	101	23032	17.488	ug/L	98
8) Ethyl ether	2.904	74	8650	17.629	ug/L #	67
10) 1,1-Dichloroethene	3.109	96	15108	17.931	ug/L	80
11) Carbon disulfide	3.140	76	33203	18.459	ug/L	99
12) Freon-113	3.151	101	14897	17.803	ug/L	94
14) Acrolein	3.434	56	2038	17.740	ug/L	97
15) Methylene chloride	3.685	84	22888	18.792	ug/L	67
17) Acetone	3.722	43	5369	17.556	ug/L	100
18) trans-1,2-Dichloroethene	3.848	96	19499	18.553	ug/L	82
19) Methyl acetate	3.848	43	11104	18.445	ug/L #	85
20) Methyl tert-butyl ether	3.947	73	46985	17.790	ug/L	87
21) tert-Butyl alcohol	4.026	59	9451	86.382	ug/L	94
22) Diisopropyl ether	4.320	45	62431	17.584	ug/L #	88
23) 1,1-Dichloroethane	4.456	63	36075	18.303	ug/L	96
24) Halothane	4.503	117	13352	18.192	ug/L	99
25) Acrylonitrile	4.488	53	5018	17.648	ug/L	96

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A10.D
Acq On : 18 Jan 2023 02:46 pm
Operator : VOA111:MKS
Sample : I8260STD20PPB
Misc : WG1735211
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 19 11:35:52 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.682	59	61789	17.714	ug/L		90
27) Vinyl acetate	4.687	43	40647	18.133	ug/L	#	92
28) cis-1,2-Dichloroethene	4.986	96	22706	18.130	ug/L	#	82
29) 2,2-Dichloropropane	5.096	77	27465	18.380	ug/L		89
30) Bromochloromethane	5.185	128	11158	18.681	ug/L	#	65
31) Cyclohexane	5.201	56	24196	17.473	ug/L	#	57
32) Chloroform	5.253	83	38736	18.762	ug/L		95
33) Ethyl acetate	5.363	43	16512	17.580	ug/L	#	94
34) Carbon tetrachloride	5.405	117	22776	17.901	ug/L		98
35) Tetrahydrofuran	5.410	42	4416M3	17.504	ug/L		
37) 1,1,1-Trichloroethane	5.468	97	26521	18.225	ug/L		97
39) 2-Butanone	5.547	43	7348	17.392	ug/L		100
40) 1,1-Dichloropropene	5.594	75	21745	17.382	ug/L		99
41) Benzene	5.845	78	79389	18.372	ug/L	#	89
42) tert-Amyl methyl ether	5.956	73	56070	17.388	ug/L	#	87
44) 1,2-Dichloroethane	6.045	62	27289	18.109	ug/L		98
47) Methyl cyclohexane	6.448	83	25955	17.385	ug/L	#	67
48) Trichloroethene	6.448	95	19728	18.054	ug/L		98
50) Dibromomethane	6.889	93	12962	17.815	ug/L		95
51) 1,2-Dichloropropane	6.999	63	21621	18.109	ug/L		96
53) 2-Chloroethyl vinyl ether	7.696	63	7522	16.656	ug/L	#	79
54) Bromodichloromethane	7.067	83	29772	17.980	ug/L		99
57) 1,4-Dioxane	7.277	88	9863	941.464	ug/L	#	71
58) cis-1,3-Dichloropropene	7.764	75	34272	17.675	ug/L		89
61) Toluene	8.042	92	47535	18.516	ug/L		94
62) 4-Methyl-2-pentanone	8.472	58	5578	16.677	ug/L	#	85
63) Tetrachloroethene	8.498	166	17466	18.587	ug/L		98
65) trans-1,3-Dichloropropene	8.519	75	30728	17.809	ug/L		83
67) Ethyl methacrylate	8.708	69	21344	17.286	ug/L		100
68) 1,1,2-Trichloroethane	8.708	83	14904	18.089	ug/L		99
69) Chlorodibromomethane	8.923	129	21032	18.132	ug/L		97
70) 1,3-Dichloropropane	9.039	76	30062	18.184	ug/L		99
71) 1,2-Dibromoethane	9.212	107	17453	18.238	ug/L		99
72) 2-Hexanone	9.484	43	10453	16.843	ug/L		91
73) Chlorobenzene	9.867	112	57430	18.458	ug/L	#	89
74) Ethylbenzene	9.904	91	88162	18.262	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.946	131	20596	18.169	ug/L		99
76) p/m Xylene	10.092	106	68371	36.131	ug/L		99
77) o Xylene	10.617	106	67598	36.511	ug/L		99
78) Styrene	10.680	104	115169	35.480	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A10.D
Acq On : 18 Jan 2023 02:46 pm
Operator : VOA111:MKS
Sample : I8260STD20PPB
Misc : WG1735211
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 19 11:35:52 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	10.701	173	12669	17.448	ug/L		99
82) Isopropylbenzene	10.989	105	83728	18.592	ug/L		99
84) Bromobenzene	11.414	156	23710	18.578	ug/L		100
85) n-Propylbenzene	11.456	91	103581	18.419	ug/L		98
86) 1,4-Dichlorobutane	11.466	55	26441	17.981	ug/L		94
87) 1,1,2,2-Tetrachloroethane	11.529	83	22673	18.519	ug/L		99
88) 4-Ethyltoluene	11.576	105	86071	18.547	ug/L		99
89) 2-Chlorotoluene	11.618	91	64537M1	18.949	ug/L		
90) 1,3,5-Trimethylbenzene	11.671	105	73572	18.465	ug/L		99
91) 1,2,3-Trichloropropane	11.671	75	17191	17.894	ug/L		99
92) trans-1,4-Dichloro-2-b...	11.718	53	6165	17.584	ug/L	#	80
93) 4-Chlorotoluene	11.796	91	67073	18.117	ug/L		99
94) tert-Butylbenzene	12.011	119	59242	18.201	ug/L		98
97) 1,2,4-Trimethylbenzene	12.085	105	74319	18.033	ug/L		100
98) sec-Butylbenzene	12.195	105	90005	18.171	ug/L		99
99) p-Isopropyltoluene	12.347	119	76907	18.052	ug/L		99
100) 1,3-Dichlorobenzene	12.415	146	45834	18.252	ug/L		100
101) 1,4-Dichlorobenzene	12.504	146	46761	18.413	ug/L		99
102) p-Diethylbenzene	12.714	119	47376	18.152	ug/L		100
103) n-Butylbenzene	12.772	91	72879	18.275	ug/L		97
104) 1,2-Dichlorobenzene	12.924	146	43327	17.959	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.495	119	75776	17.667	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.689	155	3351	17.903	ug/L		99
107) 1,3,5-Trichlorobenzene	13.726	180	31670	18.437	ug/L		97
108) Hexachlorobutadiene	14.297	225	12572	18.669	ug/L		99
109) 1,2,4-Trichlorobenzene	14.318	180	27894	18.442	ug/L		98
110) Naphthalene	14.612	128	57268	17.416	ug/L		100
111) 1,2,3-Trichlorobenzene	14.780	180	23480	18.034	ug/L		98

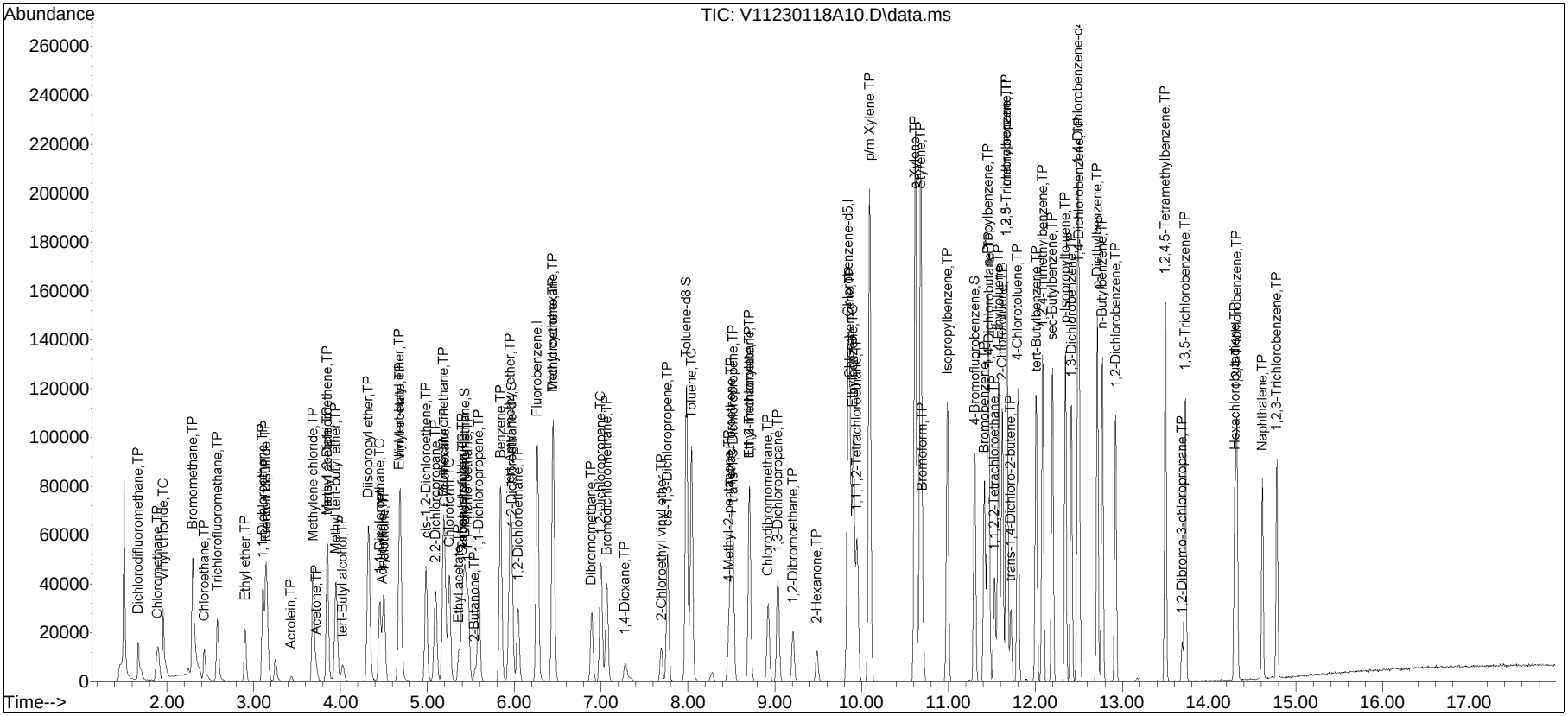
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A10.D
Acq On : 18 Jan 2023 02:46 pm
Operator : VOA111:MKS
Sample : I8260STD20PPB
Misc : WG1735211
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 19 11:35:52 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

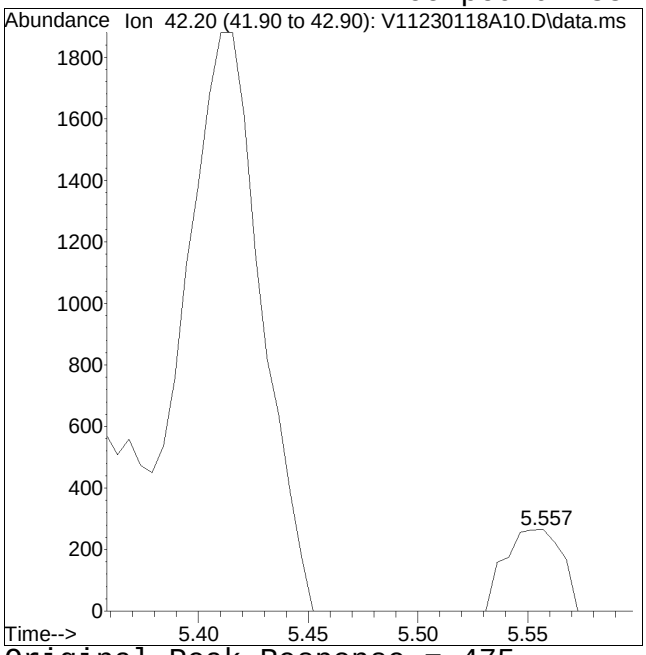
Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11230118A11.D•



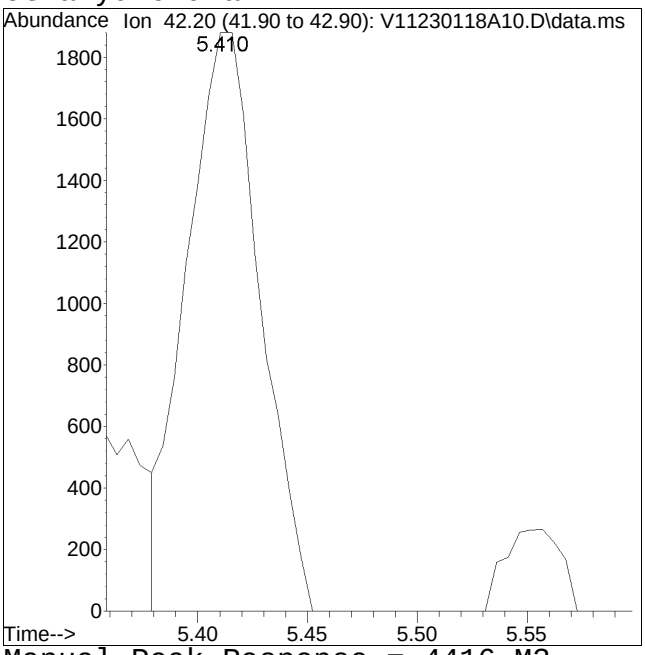
Manual Integration Report

Data Path : I:\VOLATILES\VOA111\2023\2QMethod : V111_230118_8260.m
Data File : V11230118A10.D Operator : VOA111:MKS
Date Inj'd : 1/18/2023 2:46 pm Instrument : VOA111
Sample : I8260STD20PPB Quant Date : 1/19/2023 11:22 am

Compound #35: Tetrahydrofuran



Original Peak Response = 475



Manual Peak Response = 4416 M3

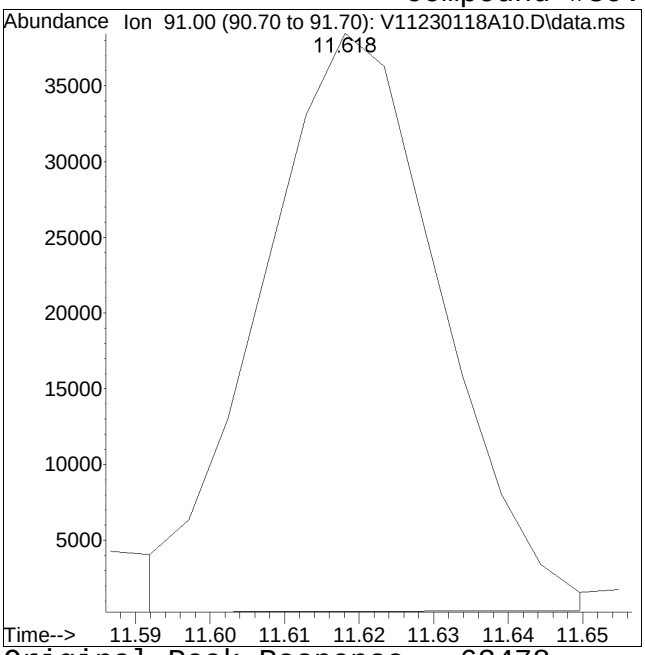
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

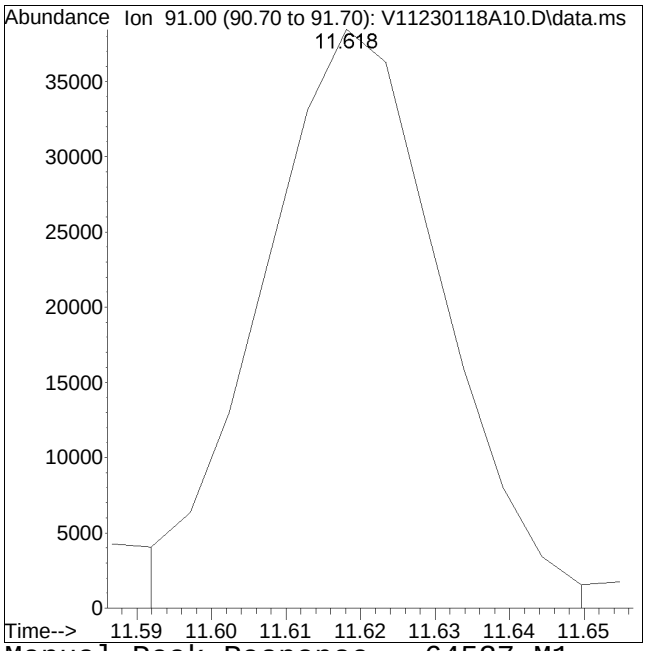
Data Path : I:\VOLATILES\VOA111\2023\2Q
Data File : V11230118A10.D
Date Inj'd : 1/18/2023 2:46 pm
Sample : I8260STD20PPB

Method : V111_230118_8260.m
Operator : VOA111:MKS
Instrument : VOA111
Quant Date : 1/19/2023 11:22 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 63478



Manual Peak Response = 64537 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A11.D
Acq On : 18 Jan 2023 03:13 pm
Operator : VOA111:MKS
Sample : I8260STD40PPB
Misc : WG1735211
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 19 11:19:59 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 10 19:34:21 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.270	96	101933	20.000	ug/L	0.00
Standard Area 1 = 101933			Recovery = 100.00%			
59) Chlorobenzene-d5	9.841	117	76687	20.000	ug/L	-0.01
Standard Area 1 = 76687			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.488	152	40493	20.000	ug/L	0.00
Standard Area 1 = 40493			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.436	113	25875	19.392	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.96%			
43) 1,2-Dichloroethane-d4	5.976	65	25561	18.061	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 90.31%			
60) Toluene-d8	7.984	98	99390	19.621	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.11%			
83) 4-Bromofluorobenzene	11.298	95	33467	18.375	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	38261	37.979	ug/L	98
3) Chloromethane	1.897	50	50193	41.445	ug/L	98
4) Vinyl chloride	1.960	62	59746	38.052	ug/L	97
5) Bromomethane	2.301	94	64010	59.395	ug/L	98
6) Chloroethane	2.432	64	29714	31.902	ug/L	95
7) Trichlorofluoromethane	2.584	101	53961	30.499	ug/L	99
8) Ethyl ether	2.904	74	20104	36.458	ug/L #	66
10) 1,1-Dichloroethene	3.108	96	34522	33.563	ug/L	81
11) Carbon disulfide	3.140	76	73698	29.705	ug/L	99
12) Freon-113	3.150	101	34285	32.048	ug/L	95
14) Acrolein	3.439	56	4707	27.350	ug/L	100
15) Methylene chloride	3.685	84	49904	36.471	ug/L	67
17) Acetone	3.717	43	12530	39.410	ug/L	95
18) trans-1,2-Dichloroethene	3.848	96	43061	35.224	ug/L	84
19) Methyl acetate	3.848	43	24666	32.518	ug/L #	83
20) Methyl tert-butyl ether	3.947	73	108213	33.739	ug/L	85
21) tert-Butyl alcohol	4.026	59	22414	172.848	ug/L	95
22) Diisopropyl ether	4.325	45	145475	35.350	ug/L #	90
23) 1,1-Dichloroethane	4.456	63	80755	35.538	ug/L	96
24) Halothane	4.503	117	30072	35.281	ug/L	98
25) Acrylonitrile	4.493	53	11650	35.320	ug/L	97

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A11.D
Acq On : 18 Jan 2023 03:13 pm
Operator : VOA111:MKS
Sample : I8260STD40PPB
Misc : WG1735211
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 19 11:19:59 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 10 19:34:21 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.681	59	142916	34.210	ug/L		89
27) Vinyl acetate	4.687	43	91843	33.632	ug/L	#	92
28) cis-1,2-Dichloroethene	4.985	96	51315	37.209	ug/L	#	82
29) 2,2-Dichloropropane	5.096	77	61226	31.346	ug/L		88
30) Bromochloromethane	5.185	128	24473	39.909	ug/L	#	68
31) Cyclohexane	5.200	56	56737	27.985	ug/L	#	59
32) Chloroform	5.253	83	84594	35.170	ug/L		96
33) Ethyl acetate	5.363	43	38483	31.748	ug/L	#	95
34) Carbon tetrachloride	5.405	117	52130	31.790	ug/L		98
35) Tetrahydrofuran	5.410	42	10337	32.726	ug/L	#	59
37) 1,1,1-Trichloroethane	5.468	97	59623	32.813	ug/L		97
39) 2-Butanone	5.552	43	17311	33.873	ug/L		99
40) 1,1-Dichloropropene	5.594	75	51257	30.065	ug/L		99
41) Benzene	5.845	78	177054	35.661	ug/L		89
42) tert-Amyl methyl ether	5.950	73	132121	34.037	ug/L	#	87
44) 1,2-Dichloroethane	6.045	62	61744	34.803	ug/L		99
47) Methyl cyclohexane	6.448	83	61170	29.063	ug/L	#	68
48) Trichloroethene	6.448	95	44771	31.103	ug/L		98
50) Dibromomethane	6.889	93	29811	37.297	ug/L		96
51) 1,2-Dichloropropane	6.999	63	48920	36.673	ug/L		97
53) 2-Chloroethyl vinyl ether	7.691	63	18504	32.058	ug/L	#	78
54) Bromodichloromethane	7.067	83	67844	36.380	ug/L		100
57) 1,4-Dioxane	7.282	88	21462	1918.626	ug/L	#	72
58) cis-1,3-Dichloropropene	7.764	75	79448	36.587	ug/L	#	88
61) Toluene	8.042	92	106364	34.346	ug/L		94
62) 4-Methyl-2-pentanone	8.472	58	13858	34.275	ug/L	#	81
63) Tetrachloroethene	8.493	166	38932	29.709	ug/L		98
65) trans-1,3-Dichloropropene	8.519	75	71486	34.774	ug/L	#	82
67) Ethyl methacrylate	8.708	69	51157	31.451	ug/L		97
68) 1,1,2-Trichloroethane	8.708	83	34136	36.719	ug/L		100
69) Chlorodibromomethane	8.923	129	48057	35.754	ug/L		97
70) 1,3-Dichloropropane	9.033	76	68495	35.539	ug/L		100
71) 1,2-Dibromoethane	9.211	107	39647	35.415	ug/L		100
72) 2-Hexanone	9.484	43	25713	30.700	ug/L		92
73) Chlorobenzene	9.867	112	128911	37.708	ug/L		90
74) Ethylbenzene	9.903	91	200010	33.016	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.945	131	46965	35.297	ug/L		98
76) p/m Xylene	10.092	106	156802	68.936	ug/L		100
77) o Xylene	10.617	106	153414	69.931	ug/L		100
78) Styrene	10.679	104	268974	70.389	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A11.D
Acq On : 18 Jan 2023 03:13 pm
Operator : VOA111:MKS
Sample : I8260STD40PPB
Misc : WG1735211
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 19 11:19:59 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 10 19:34:21 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80)	Bromoform	10.700	173	30793	35.813	ug/L		99
82)	Isopropylbenzene	10.989	105	190991	33.611	ug/L		99
84)	Bromobenzene	11.413	156	54125	36.993	ug/L		100
85)	n-Propylbenzene	11.455	91	238491	33.700	ug/L		99
86)	1,4-Dichlorobutane	11.466	55	62363	33.442	ug/L		94
87)	1,1,2,2-Tetrachloroethane	11.529	83	51922	37.390	ug/L		100
88)	4-Ethyltoluene	11.576	105	196814	34.939	ug/L		100
89)	2-Chlorotoluene	11.618	91	144440	34.941	ug/L		91
90)	1,3,5-Trimethylbenzene	11.670	105	168977	34.422	ug/L		99
91)	1,2,3-Trichloropropane	11.670	75	40744	35.818	ug/L		99
92)	trans-1,4-Dichloro-2-b...	11.718	53	14869	35.802	ug/L	#	77
93)	4-Chlorotoluene	11.796	91	157010	36.002	ug/L		100
94)	tert-Butylbenzene	12.011	119	138037	34.414	ug/L		99
97)	1,2,4-Trimethylbenzene	12.085	105	174786	35.355	ug/L		98
98)	sec-Butylbenzene	12.195	105	210064	34.305	ug/L		99
99)	p-Isopropyltoluene	12.347	119	180675	34.887	ug/L		99
100)	1,3-Dichlorobenzene	12.415	146	106499	37.857	ug/L		100
101)	1,4-Dichlorobenzene	12.504	146	107705	37.770	ug/L		99
102)	p-Diethylbenzene	12.714	119	110691	35.765	ug/L		99
103)	n-Butylbenzene	12.771	91	169128	34.386	ug/L		98
104)	1,2-Dichlorobenzene	12.923	146	102316	38.963	ug/L		99
105)	1,2,4,5-Tetramethylben...	13.495	119	181903	37.789	ug/L		99
106)	1,2-Dibromo-3-chloropr...	13.689	155	7938	39.111	ug/L		98
107)	1,3,5-Trichlorobenzene	13.726	180	72849	36.049	ug/L		98
108)	Hexachlorobutadiene	14.297	225	28559	31.816	ug/L		99
109)	1,2,4-Trichlorobenzene	14.318	180	64147	36.651	ug/L		99
110)	Naphthalene	14.612	128	139451	38.985	ug/L		100
111)	1,2,3-Trichlorobenzene	14.780	180	55216	36.898	ug/L		98

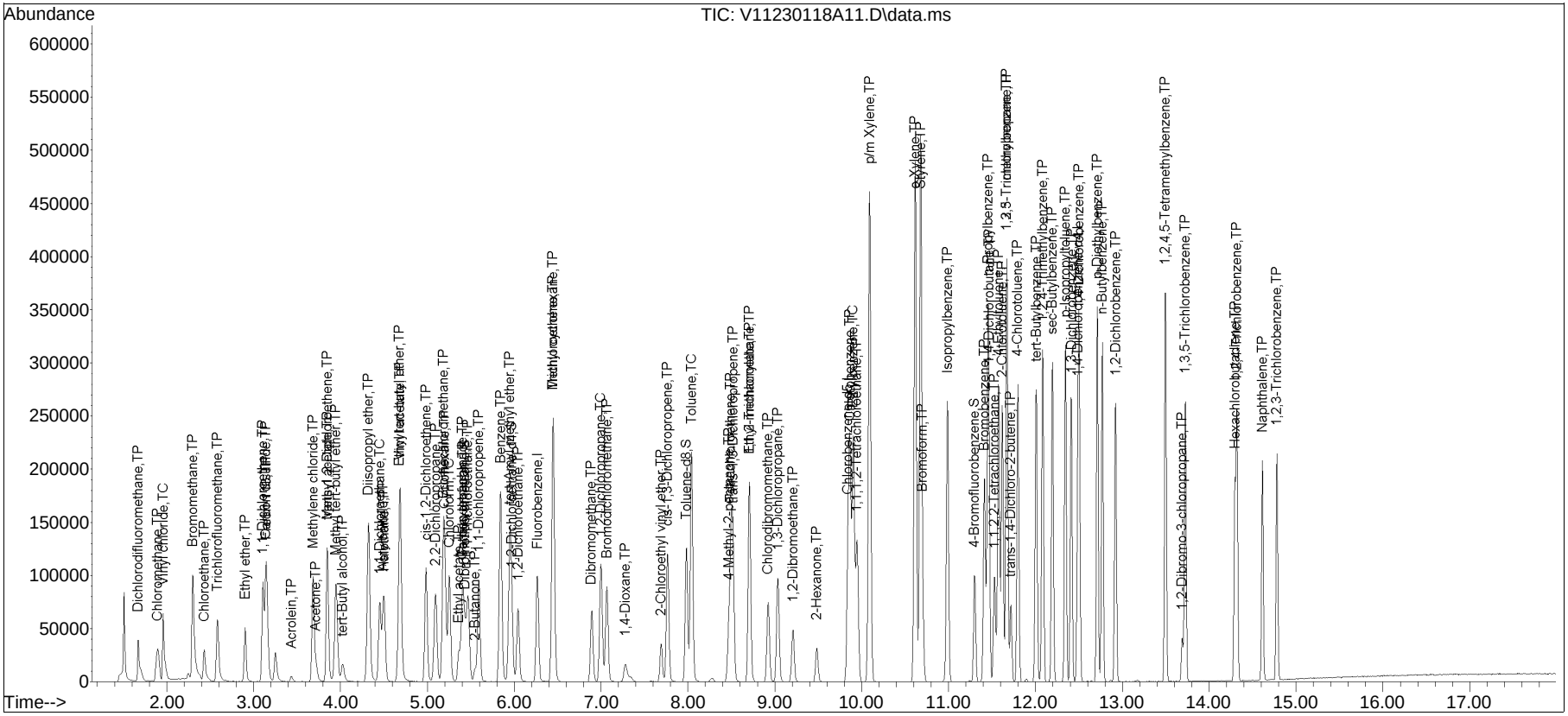
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A11.D
Acq On : 18 Jan 2023 03:13 pm
Operator : VOA111:MKS
Sample : I8260STD40PPB
Misc : WG1735211
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 19 11:19:59 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 10 19:34:21 2022
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11230118A11.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2Q	Method	: V111_230118_8260.m
Data File	: V11230118A11.D	Operator	: VOA111:MKS
Date Inj'd	: 1/18/2023 3:13 pm	Instrument	: VOA111
Sample	: I8260STD40PPB	Quant Date	: 1/19/2023 11:19 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A12.D
Acq On : 18 Jan 2023 03:40 pm
Operator : VOA111:MKS
Sample : I8260STD100PPB
Misc : WG1735211
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 19 11:37:14 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	111011	20.000	ug/L	0.00
Standard Area 1 = 101933			Recovery = 108.91%			
59) Chlorobenzene-d5	9.846	117	84114	20.000	ug/L	0.00
Standard Area 1 = 76687			Recovery = 109.68%			
79) 1,4-Dichlorobenzene-d4	12.488	152	45843	20.000	ug/L	0.00
Standard Area 1 = 40493			Recovery = 113.21%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.436	113	28331	20.108	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.54%			
43) 1,2-Dichloroethane-d4	5.971	65	28015	20.128	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.64%			
60) Toluene-d8	7.985	98	108814	19.963	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.82%			
83) 4-Bromofluorobenzene	11.298	95	37992	20.055	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.28%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	137979	132.454	ug/L	97
3) Chloromethane	1.897	50	159287	116.559	ug/L	97
4) Vinyl chloride	1.960	62	202480	124.475	ug/L	96
5) Bromomethane	2.301	94	188934	108.410	ug/L	99
6) Chloroethane	2.427	64	103744	128.236	ug/L	96
7) Trichlorofluoromethane	2.584	101	196965	134.066	ug/L	100
8) Ethyl ether	2.904	74	60587	110.689	ug/L #	67
10) 1,1-Dichloroethene	3.108	96	121903	129.696	ug/L	80
11) Carbon disulfide	3.140	76	250696	124.940	ug/L	98
12) Freon-113	3.150	101	130497	139.799	ug/L	95
14) Acrolein	3.434	56	15911	124.154	ug/L	97
15) Methylene chloride	3.685	84	150883	111.049	ug/L	66
17) Acetone	3.722	43	37473	109.844	ug/L	92
18) trans-1,2-Dichloroethene	3.848	96	142940	121.921	ug/L	83
19) Methyl acetate	3.848	43	76185	113.443	ug/L #	82
20) Methyl tert-butyl ether	3.947	73	331032	112.357	ug/L #	84
21) tert-Butyl alcohol	4.026	59	68985	565.216	ug/L	91
22) Diisopropyl ether	4.325	45	447572	113.001	ug/L #	90
23) 1,1-Dichloroethane	4.451	63	256065	116.463	ug/L	96
24) Halothane	4.498	117	105027	128.277	ug/L	99
25) Acrylonitrile	4.487	53	35885	113.135	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A12.D
Acq On : 18 Jan 2023 03:40 pm
Operator : VOA111:MKS
Sample : I8260STD100PPB
Misc : WG1735211
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 19 11:37:14 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.681	59	443090	113.873	ug/L		87
27) Vinyl acetate	4.687	43	271940	108.752	ug/L	#	91
28) cis-1,2-Dichloroethene	4.985	96	162012	115.961	ug/L	#	81
29) 2,2-Dichloropropane	5.096	77	210887	126.509	ug/L		87
30) Bromochloromethane	5.185	128	74835	112.312	ug/L	#	66
31) Cyclohexane	5.200	56	223565	144.726	ug/L	#	60
32) Chloroform	5.253	83	271377	117.826	ug/L		94
33) Ethyl acetate	5.363	43	118478	113.078	ug/L	#	96
34) Carbon tetrachloride	5.405	117	189014	133.173	ug/L		98
35) Tetrahydrofuran	5.410	42	32114	114.106	ug/L	#	54
37) 1,1,1-Trichloroethane	5.468	97	207786	128.000	ug/L		97
39) 2-Butanone	5.547	43	53787	114.121	ug/L		98
40) 1,1-Dichloropropene	5.594	75	182004	130.418	ug/L		100
41) Benzene	5.845	78	562365	116.660	ug/L		89
42) tert-Amyl methyl ether	5.950	73	406016	112.870	ug/L	#	87
44) 1,2-Dichloroethane	6.045	62	184962	110.026	ug/L		98
47) Methyl cyclohexane	6.448	83	244054	146.540	ug/L	#	67
48) Trichloroethene	6.448	95	152732	125.297	ug/L		98
50) Dibromomethane	6.894	93	90372	111.344	ug/L		97
51) 1,2-Dichloropropane	6.999	63	149800	112.469	ug/L		96
53) 2-Chloroethyl vinyl ether	7.691	63	60993	121.066	ug/L	#	78
54) Bromodichloromethane	7.067	83	209105	113.204	ug/L		99
57) 1,4-Dioxane	7.277	88	56056	4796.569	ug/L	#	73
58) cis-1,3-Dichloropropene	7.764	75	245152	113.334	ug/L	#	87
61) Toluene	8.042	92	351586	120.545	ug/L		95
62) 4-Methyl-2-pentanone	8.467	58	43615	114.775	ug/L	#	79
63) Tetrachloroethene	8.498	166	141840	132.863	ug/L		98
65) trans-1,3-Dichloropropene	8.519	75	222740	113.629	ug/L	#	82
67) Ethyl methacrylate	8.708	69	163327	116.430	ug/L		95
68) 1,1,2-Trichloroethane	8.708	83	103388	110.451	ug/L		99
69) Chlorodibromomethane	8.923	129	150894	114.506	ug/L		98
70) 1,3-Dichloropropane	9.038	76	212189	112.974	ug/L		99
71) 1,2-Dibromoethane	9.206	107	123605	113.694	ug/L		99
72) 2-Hexanone	9.484	43	82406	116.874	ug/L		90
73) Chlorobenzene	9.867	112	409799	115.930	ug/L	#	89
74) Ethylbenzene	9.904	91	685199	124.933	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.945	131	149565	116.137	ug/L		99
76) p/m Xylene	10.092	106	532632	247.753	ug/L		99
77) o Xylene	10.617	106	518288	246.405	ug/L		100
78) Styrene	10.680	104	900426	244.164	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A12.D
Acq On : 18 Jan 2023 03:40 pm
Operator : VOA111:MKS
Sample : I8260STD100PPB
Misc : WG1735211
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 19 11:37:14 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80)	Bromoform	10.700	173	100702	115.545	ug/L		99
82)	Isopropylbenzene	10.989	105	687585	127.198	ug/L		100
84)	Bromobenzene	11.414	156	174186	113.706	ug/L		100
85)	n-Propylbenzene	11.455	91	854110	126.534	ug/L		99
86)	1,4-Dichlorobutane	11.466	55	199380	112.959	ug/L		95
87)	1,1,2,2-Tetrachloroethane	11.529	83	162927	110.869	ug/L		99
88)	4-Ethyltoluene	11.576	105	691924	124.214	ug/L		99
89)	2-Chlorotoluene	11.618	91	481885	117.875	ug/L		90
90)	1,3,5-Trimethylbenzene	11.670	105	587758	122.896	ug/L		99
91)	1,2,3-Trichloropropane	11.670	75	128254	111.218	ug/L		99
92)	trans-1,4-Dichloro-2-b...	11.718	53	45922	109.120	ug/L	#	74
93)	4-Chlorotoluene	11.796	91	514756	115.835	ug/L		99
94)	tert-Butylbenzene	12.011	119	496995	127.211	ug/L		99
97)	1,2,4-Trimethylbenzene	12.085	105	590138	119.293	ug/L		99
98)	sec-Butylbenzene	12.195	105	770919	129.665	ug/L		99
99)	p-Isopropyltoluene	12.347	119	661935	129.445	ug/L		99
100)	1,3-Dichlorobenzene	12.415	146	345470	114.612	ug/L		100
101)	1,4-Dichlorobenzene	12.504	146	346298	113.601	ug/L		99
102)	p-Diethylbenzene	12.714	119	397814	126.980	ug/L		99
103)	n-Butylbenzene	12.772	91	612416	127.938	ug/L		99
104)	1,2-Dichlorobenzene	12.924	146	325552	112.420	ug/L		99
105)	1,2,4,5-Tetramethylben...	13.495	119	615829	119.615	ug/L		99
106)	1,2-Dibromo-3-chloropr...	13.694	155	26240	116.794	ug/L		97
107)	1,3,5-Trichlorobenzene	13.726	180	240984	116.878	ug/L		99
108)	Hexachlorobutadiene	14.297	225	107332	132.786	ug/L		99
109)	1,2,4-Trichlorobenzene	14.318	180	207764	114.436	ug/L		99
110)	Naphthalene	14.612	128	449885	113.985	ug/L		100
111)	1,2,3-Trichlorobenzene	14.780	180	179888	115.108	ug/L		98

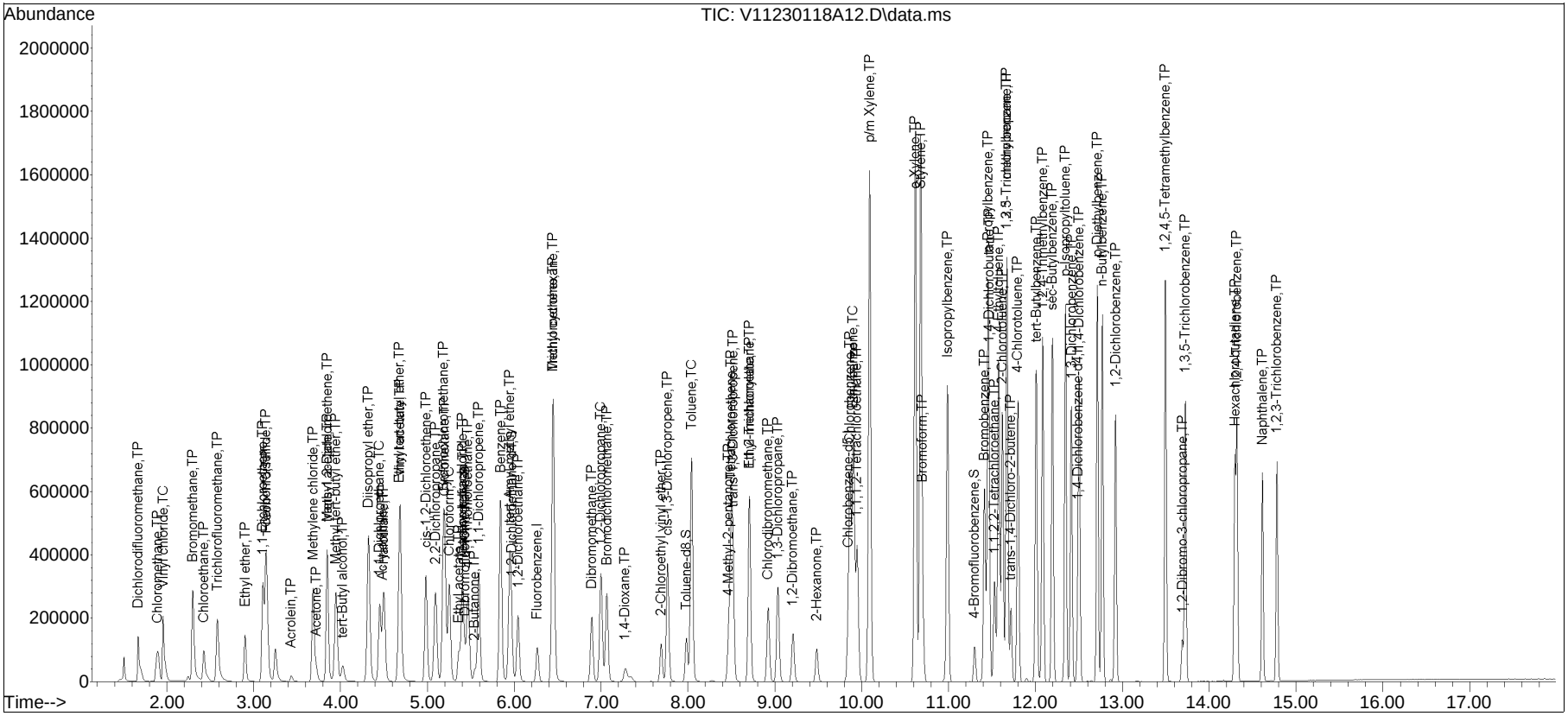
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A12.D
Acq On : 18 Jan 2023 03:40 pm
Operator : VOA111:MKS
Sample : I8260STD100PPB
Misc : WG1735211
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 19 11:37:14 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11230118A11.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2Q	Method	: V111_230118_8260.m
Data File	: V11230118A12.D	Operator	: VOA111:MKS
Date Inj'd	: 1/18/2023 3:40 pm	Instrument	: VOA111
Sample	: I8260STD100PPB	Quant Date	: 1/19/2023 11:22 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A13.D
Acq On : 18 Jan 2023 04:06 pm
Operator : VOA111:MKS
Sample : I8260STD200PPB
Misc : WG1735211
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 19 11:37:58 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	125897	20.000	ug/L	0.00
Standard Area 1 = 101933			Recovery = 123.51%			
59) Chlorobenzene-d5	9.846	117	98893	20.000	ug/L	0.00
Standard Area 1 = 76687			Recovery = 128.96%			
79) 1,4-Dichlorobenzene-d4	12.488	152	51348	20.000	ug/L	0.00
Standard Area 1 = 40493			Recovery = 126.81%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.436	113	32441	20.302	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.51%			
43) 1,2-Dichloroethane-d4	5.971	65	32018	20.284	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.42%			
60) Toluene-d8	7.984	98	125676	19.611	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.06%			
83) 4-Bromofluorobenzene	11.303	95	42771	20.157	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.79%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	342910	290.257	ug/L	97
3) Chloromethane	1.902	50	368630	237.852	ug/L	97
4) Vinyl chloride	1.960	62	463641	251.323	ug/L	96
5) Bromomethane	2.301	94	416337	210.648	ug/L	98
6) Chloroethane	2.422	64	286345	312.096	ug/L	96
7) Trichlorofluoromethane	2.584	101	498111	298.955	ug/L	100
8) Ethyl ether	2.904	74	144173	232.253	ug/L #	65
10) 1,1-Dichloroethene	3.108	96	299939	281.382	ug/L	80
11) Carbon disulfide	3.140	76	604554	265.668	ug/L	98
12) Freon-113	3.150	101	329346	311.105	ug/L	96
14) Acrolein	3.433	56	38742	266.561	ug/L	96
15) Methylene chloride	3.685	84	352518	228.773	ug/L	65
17) Acetone	3.722	43	82572	213.423	ug/L	91
18) trans-1,2-Dichloroethene	3.848	96	347472	261.334	ug/L	82
19) Methyl acetate	3.848	43	180545	237.053	ug/L #	81
20) Methyl tert-butyl ether	3.947	73	783761	234.565	ug/L #	83
21) tert-Butyl alcohol	4.026	59	154938	1119.355	ug/L	90
22) Diisopropyl ether	4.325	45	1055348	234.945	ug/L #	91
23) 1,1-Dichloroethane	4.451	63	605700	242.911	ug/L	95
24) Halothane	4.498	117	260721	280.784	ug/L	98
25) Acrylonitrile	4.487	53	84438	234.732	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A13.D
Acq On : 18 Jan 2023 04:06 pm
Operator : VOA111:MKS
Sample : I8260STD200PPB
Misc : WG1735211
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 19 11:37:58 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.681	59	1051157	238.202	ug/L		88
27) Vinyl acetate	4.687	43	671379	236.745	ug/L	#	90
28) cis-1,2-Dichloroethene	4.985	96	383751	242.195	ug/L	#	81
29) 2,2-Dichloropropane	5.096	77	511070	270.336	ug/L		86
30) Bromochloromethane	5.185	128	178082	235.663	ug/L	#	64
31) Cyclohexane	5.200	56	561321	320.409	ug/L	#	60
32) Chloroform	5.253	83	634171	242.787	ug/L		93
33) Ethyl acetate	5.363	43	273391	230.078	ug/L	#	95
34) Carbon tetrachloride	5.405	117	476868	296.258	ug/L		98
35) Tetrahydrofuran	5.410	42	73746	231.049	ug/L	#	54
37) 1,1,1-Trichloroethane	5.468	97	508360	276.132	ug/L		96
39) 2-Butanone	5.546	43	118215	221.162	ug/L		100
40) 1,1-Dichloropropene	5.594	75	444550	280.884	ug/L		100
41) Benzene	5.845	78	1336899	244.541	ug/L		89
42) tert-Amyl methyl ether	5.955	73	955420	234.197	ug/L	#	86
44) 1,2-Dichloroethane	6.045	62	427820	224.401	ug/L		97
47) Methyl cyclohexane	6.448	83	619300	327.885	ug/L	#	66
48) Trichloroethene	6.448	95	372182	269.227	ug/L		98
50) Dibromomethane	6.889	93	213560	232.008	ug/L		98
51) 1,2-Dichloropropane	6.999	63	352292	233.225	ug/L		96
53) 2-Chloroethyl vinyl ether	7.691	63	148537	259.973	ug/L	#	77
54) Bromodichloromethane	7.067	83	493468	235.563	ug/L		99
57) 1,4-Dioxane	7.282	88	127974	9655.638	ug/L	#	72
58) cis-1,3-Dichloropropene	7.764	75	583140	237.711	ug/L	#	86
61) Toluene	8.042	92	858236	250.281	ug/L		96
62) 4-Methyl-2-pentanone	8.467	58	104707	234.364	ug/L	#	77
63) Tetrachloroethene	8.498	166	357278	284.653	ug/L		99
65) trans-1,3-Dichloropropene	8.519	75	533526	231.500	ug/L	#	80
67) Ethyl methacrylate	8.708	69	401040	243.164	ug/L		95
68) 1,1,2-Trichloroethane	8.708	83	248224	225.552	ug/L		99
69) Chlorodibromomethane	8.923	129	366279	236.413	ug/L		97
70) 1,3-Dichloropropane	9.038	76	498227	225.624	ug/L		100
71) 1,2-Dibromoethane	9.211	107	299076	233.985	ug/L		99
72) 2-Hexanone	9.484	43	191785	231.355	ug/L		89
73) Chlorobenzene	9.867	112	994105	239.199	ug/L		90
74) Ethylbenzene	9.903	91	1672179	259.327	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.945	131	361259	238.595	ug/L		99
76) p/m Xylene	10.092	106	1317973	521.436	ug/L		100
77) o Xylene	10.617	106	1280431	517.771	ug/L		98
78) Styrene	10.679	104	2189896	505.079	ug/L		97

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A13.D
Acq On : 18 Jan 2023 04:06 pm
Operator : VOA111:MKS
Sample : I8260STD200PPB
Misc : WG1735211
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 19 11:37:58 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	10.700	173	248411	254.469	ug/L		99
82) Isopropylbenzene	10.989	105	1656555	273.596	ug/L		100
84) Bromobenzene	11.413	156	414615	241.637	ug/L		100
85) n-Propylbenzene	11.455	91	2043223	270.247	ug/L		100
86) 1,4-Dichlorobutane	11.466	55	459354	232.347	ug/L		95
87) 1,1,2,2-Tetrachloroethane	11.529	83	377842	229.549	ug/L		99
88) 4-Ethyltoluene	11.581	105	1635010	262.048	ug/L		100
89) 2-Chlorotoluene	11.618	91	1129041	246.569	ug/L		91
90) 1,3,5-Trimethylbenzene	11.676	105	1405395	262.354	ug/L		100
91) 1,2,3-Trichloropropane	11.670	75	300285	232.480	ug/L		99
92) trans-1,4-Dichloro-2-b...	11.718	53	104596	221.896	ug/L	#	73
93) 4-Chlorotoluene	11.801	91	1181303	237.329	ug/L		100
94) tert-Butylbenzene	12.011	119	1197393	273.626	ug/L		99
97) 1,2,4-Trimethylbenzene	12.085	105	1386277	250.184	ug/L		99
98) sec-Butylbenzene	12.195	105	1830128	274.819	ug/L		100
99) p-Isopropyltoluene	12.347	119	1569137	273.955	ug/L		99
100) 1,3-Dichlorobenzene	12.415	146	790927	234.265	ug/L		100
101) 1,4-Dichlorobenzene	12.504	146	794040	232.554	ug/L		99
102) p-Diethylbenzene	12.714	119	947950	270.140	ug/L		99
103) n-Butylbenzene	12.771	91	1407867	262.581	ug/L		100
104) 1,2-Dichlorobenzene	12.923	146	746810	230.241	ug/L		100
105) 1,2,4,5-Tetramethylben...	13.500	119	1458850	252.981	ug/L		100
106) 1,2-Dibromo-3-chloropr...	13.694	155	60706	241.233	ug/L		98
107) 1,3,5-Trichlorobenzene	13.726	180	554881	240.266	ug/L		99
108) Hexachlorobutadiene	14.297	225	255738	282.468	ug/L		99
109) 1,2,4-Trichlorobenzene	14.318	180	473325	232.755	ug/L		99
110) Naphthalene	14.612	128	1019601	230.635	ug/L		100
111) 1,2,3-Trichlorobenzene	14.780	180	401503	229.372	ug/L		98

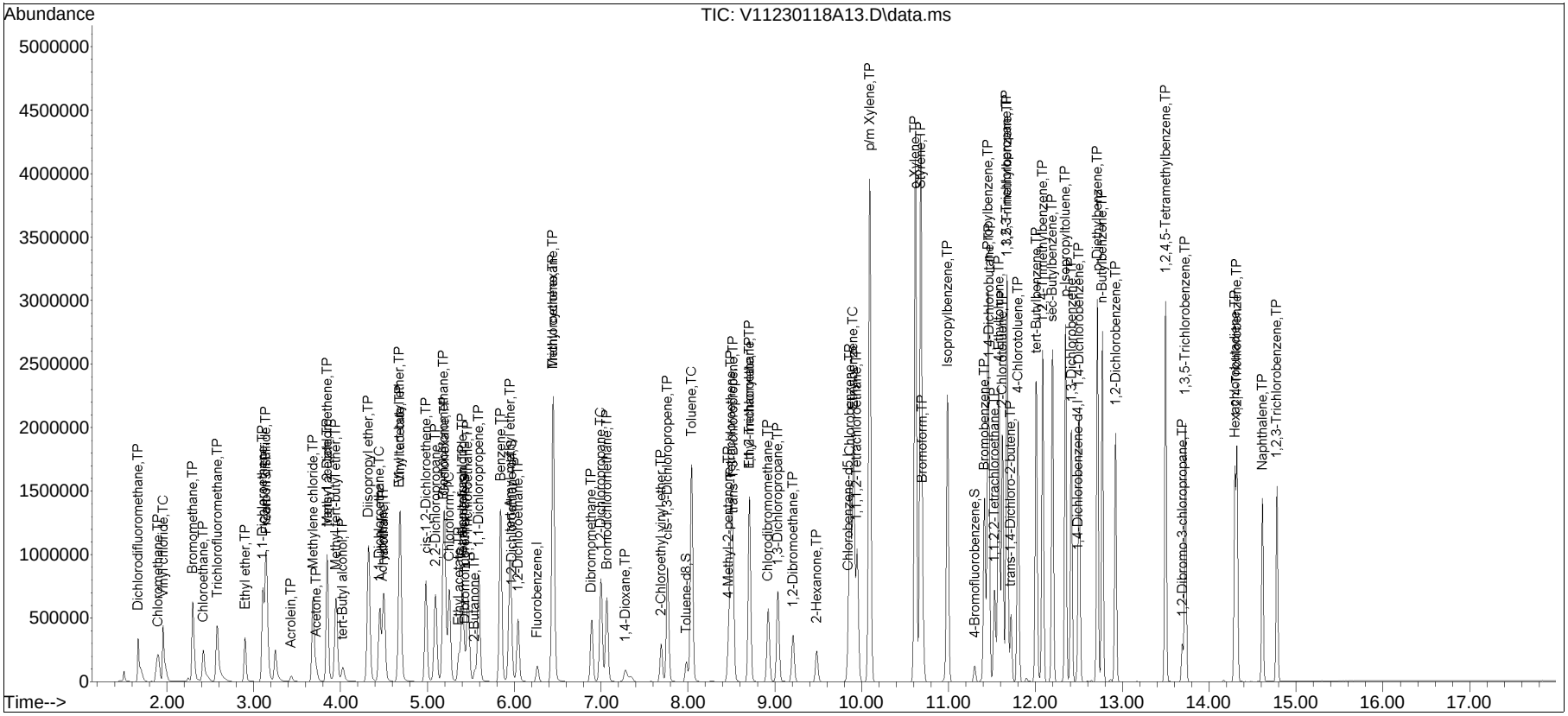
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A13.D
Acq On : 18 Jan 2023 04:06 pm
Operator : VOA111:MKS
Sample : I8260STD200PPB
Misc : WG1735211
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 19 11:37:58 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11230118A11.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2Q	Method	: V111_230118_8260.m
Data File	: V11230118A13.D	Operator	: VOA111:MKS
Date Inj'd	: 1/18/2023 4:06 pm	Instrument	: VOA111
Sample	: I8260STD200PPB	Quant Date	: 1/19/2023 11:22 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A14.D
Acq On : 18 Jan 2023 04:33 pm
Operator : VOA111:MKS
Sample : I8260STD300PPB
Misc : WG1735211
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 19 11:38:46 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	132679	20.000	ug/L	0.00
Standard Area 1 = 101933			Recovery = 130.16%			
59) Chlorobenzene-d5	9.846	117	103583	20.000	ug/L	0.00
Standard Area 1 = 76687			Recovery = 135.07%			
79) 1,4-Dichlorobenzene-d4	12.488	152	50299	20.000	ug/L	0.00
Standard Area 1 = 40493			Recovery = 124.22%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.436	113	34728	20.623	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.11%			
43) 1,2-Dichloroethane-d4	5.976	65	33768	20.299	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.50%			
60) Toluene-d8	7.985	98	131683	19.618	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.09%			
83) 4-Bromofluorobenzene	11.303	95	43067	20.719	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	522055	419.307	ug/L	97
3) Chloromethane	1.897	50	564126	345.387	ug/L	97
4) Vinyl chloride	1.955	62	691409	355.630	ug/L	96
5) Bromomethane	2.296	94	652885	313.445	ug/L	98
6) Chloroethane	2.411	64	504966	522.244	ug/L	96
7) Trichlorofluoromethane	2.579	101	824630	469.626	ug/L	100
8) Ethyl ether	2.904	74	227809	348.226	ug/L #	64
10) 1,1-Dichloroethene	3.103	96	484342	431.150	ug/L	78
11) Carbon disulfide	3.135	76	959858	400.243	ug/L	98
12) Freon-113	3.145	101	520046	466.133	ug/L	97
14) Acrolein	3.434	56	59175	386.337	ug/L	99
15) Methylene chloride	3.685	84	556621	342.765	ug/L #	65
17) Acetone	3.722	43	124238	304.702	ug/L	90
18) trans-1,2-Dichloroethene	3.848	96	553145	394.755	ug/L	82
19) Methyl acetate	3.848	43	272474	339.468	ug/L #	80
20) Methyl tert-butyl ether	3.947	73	1224273	347.673	ug/L #	82
21) tert-Butyl alcohol	4.031	59	237200	1626.065	ug/L	91
22) Diisopropyl ether	4.325	45	1640797	346.608	ug/L #	90
23) 1,1-Dichloroethane	4.451	63	945186	359.683	ug/L	95
24) Halothane	4.498	117	414549	423.629	ug/L	99
25) Acrylonitrile	4.487	53	127847	337.239	ug/L	95

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A14.D
Acq On : 18 Jan 2023 04:33 pm
Operator : VOA111:MKS
Sample : I8260STD300PPB
Misc : WG1735211
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 19 11:38:46 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.681	59	1653113	355.463	ug/L		87
27) Vinyl acetate	4.687	43	1013342	339.065	ug/L	#	89
28) cis-1,2-Dichloroethene	4.986	96	610828	365.803	ug/L	#	80
29) 2,2-Dichloropropane	5.096	77	800511	401.795	ug/L		85
30) Bromochloromethane	5.185	128	293148	368.106	ug/L	#	60
31) Cyclohexane	5.201	56	877826	475.461	ug/L	#	57
32) Chloroform	5.253	83	1019651	370.412	ug/L		93
33) Ethyl acetate	5.363	43	410249	327.606	ug/L	#	95
34) Carbon tetrachloride	5.405	117	760425	448.272	ug/L		98
35) Tetrahydrofuran	5.410	42	105936	314.936	ug/L	#	47
37) 1,1,1-Trichloroethane	5.468	97	799403	412.026	ug/L		95
39) 2-Butanone	5.547	43	174989	310.643	ug/L		99
40) 1,1-Dichloropropene	5.594	75	696933	417.840	ug/L		100
41) Benzene	5.845	78	2108890	366.033	ug/L	#	89
42) tert-Amyl methyl ether	5.950	73	1484796	345.356	ug/L	#	86
44) 1,2-Dichloroethane	6.045	62	659974	328.477	ug/L		97
47) Methyl cyclohexane	6.448	83	984152	494.420	ug/L	#	65
48) Trichloroethene	6.448	95	600460	412.154	ug/L		99
50) Dibromomethane	6.894	93	331654	341.886	ug/L		99
51) 1,2-Dichloropropane	6.999	63	545983	342.977	ug/L		96
53) 2-Chloroethyl vinyl ether	7.691	63	227109	377.174	ug/L	#	76
54) Bromodichloromethane	7.067	83	772773	350.036	ug/L		100
57) 1,4-Dioxane	7.282	88	194975	13958.905	ug/L	#	71
58) cis-1,3-Dichloropropene	7.764	75	912909	353.116	ug/L	#	86
61) Toluene	8.042	92	1361411	379.042	ug/L		96
62) 4-Methyl-2-pentanone	8.472	58	159380	340.586	ug/L	#	75
63) Tetrachloroethene	8.498	166	578791	440.259	ug/L		99
65) trans-1,3-Dichloropropene	8.519	75	828620	343.264	ug/L	#	80
67) Ethyl methacrylate	8.708	69	620958	359.460	ug/L		95
68) 1,1,2-Trichloroethane	8.708	83	384238	333.335	ug/L		99
69) Chlorodibromomethane	8.923	129	572480	352.774	ug/L		97
70) 1,3-Dichloropropane	9.038	76	760825	328.942	ug/L		100
71) 1,2-Dibromoethane	9.211	107	457143	341.456	ug/L		99
72) 2-Hexanone	9.484	43	282410	325.252	ug/L		89
73) Chlorobenzene	9.867	112	1573289	361.420	ug/L		90
74) Ethylbenzene	9.909	91	2610571	386.525	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.951	131	568950	358.751	ug/L		99
76) p/m Xylene	10.092	106	2138363	807.706	ug/L		99
77) o Xylene	10.622	106	2046665	790.142	ug/L		97
78) Styrene	10.685	104	3480907	766.488	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A14.D
Acq On : 18 Jan 2023 04:33 pm
Operator : VOA111:MKS
Sample : I8260STD300PPB
Misc : WG1735211
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 19 11:38:46 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80)	Bromoform	10.706	173	388711	406.495	ug/L		99
82)	Isopropylbenzene	10.989	105	2554753	430.741	ug/L		100
84)	Bromobenzene	11.414	156	636586	378.739	ug/L		100
85)	n-Propylbenzene	11.456	91	3125193	421.974	ug/L		99
86)	1,4-Dichlorobutane	11.466	55	682520	352.427	ug/L		94
87)	1,1,2,2-Tetrachloroethane	11.529	83	548186	339.983	ug/L		99
88)	4-Ethyltoluene	11.581	105	2495087	408.235	ug/L		99
89)	2-Chlorotoluene	11.623	91	1726574	384.927	ug/L		90
90)	1,3,5-Trimethylbenzene	11.676	105	2177684	415.000	ug/L		100
91)	1,2,3-Trichloropropane	11.671	75	447288	353.512	ug/L		98
92)	trans-1,4-Dichloro-2-b...	11.718	53	151486	328.074	ug/L	#	71
93)	4-Chlorotoluene	11.802	91	1799725	369.113	ug/L		99
94)	tert-Butylbenzene	12.011	119	1827714	426.377	ug/L		99
97)	1,2,4-Trimethylbenzene	12.085	105	2102259	387.311	ug/L		100
98)	sec-Butylbenzene	12.195	105	2757869	422.768	ug/L		99
99)	p-Isopropyltoluene	12.347	119	2391013	426.152	ug/L		99
100)	1,3-Dichlorobenzene	12.415	146	1207224	365.025	ug/L		100
101)	1,4-Dichlorobenzene	12.504	146	1196007	357.584	ug/L		99
102)	p-Diethylbenzene	12.714	119	1440768	419.143	ug/L		99
103)	n-Butylbenzene	12.772	91	2123693	404.349	ug/L		100
104)	1,2-Dichlorobenzene	12.924	146	1103301	347.241	ug/L		100
105)	1,2,4,5-Tetramethylben...	13.500	119	2209672	391.173	ug/L		100
106)	1,2-Dibromo-3-chloropr...	13.694	155	85390	346.399	ug/L		98
107)	1,3,5-Trichlorobenzene	13.726	180	839239	370.973	ug/L		98
108)	Hexachlorobutadiene	14.297	225	380747	429.313	ug/L		99
109)	1,2,4-Trichlorobenzene	14.324	180	697344	350.067	ug/L		99
110)	Naphthalene	14.612	128	1404553	324.337	ug/L		100
111)	1,2,3-Trichlorobenzene	14.780	180	569560	332.166	ug/L		97

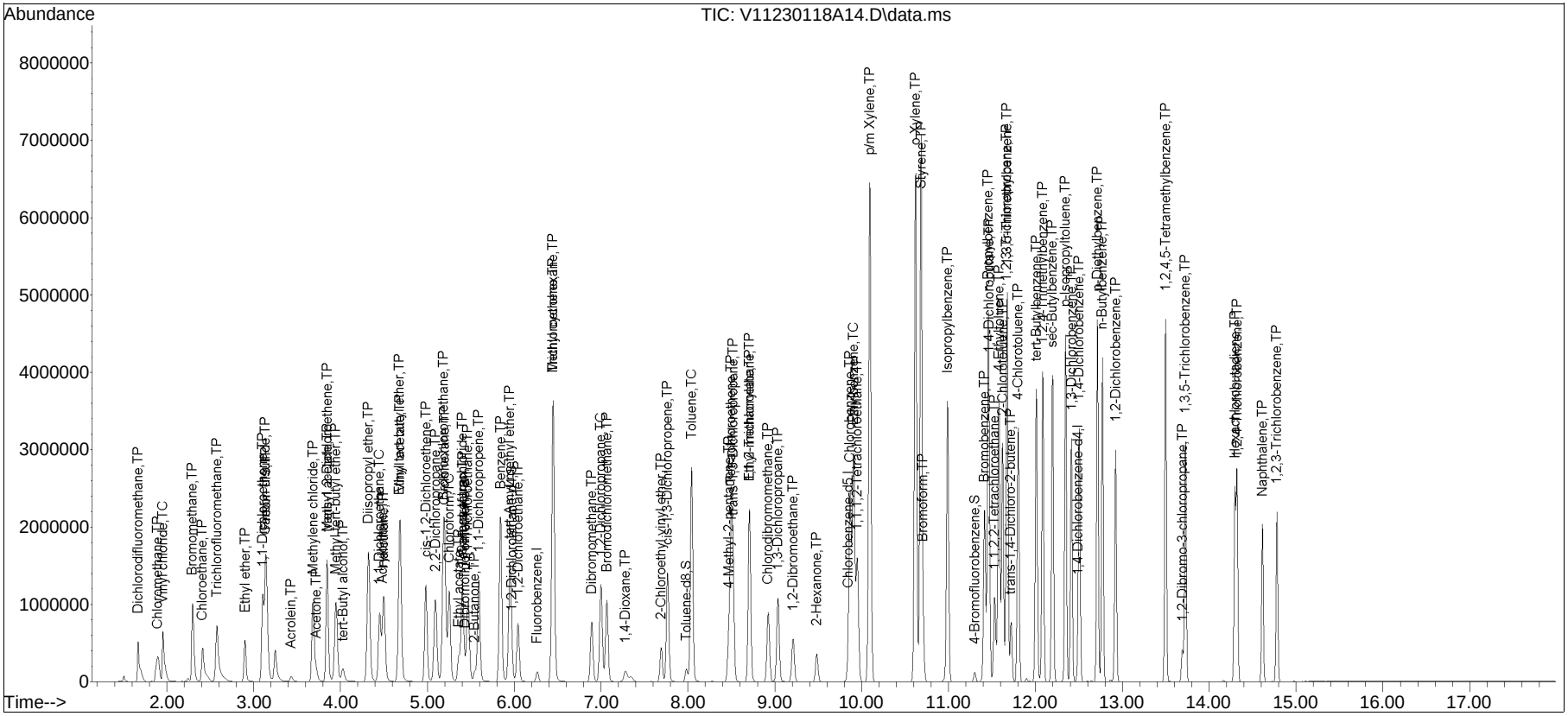
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A14.D
Acq On : 18 Jan 2023 04:33 pm
Operator : VOA111:MKS
Sample : I8260STD300PPB
Misc : WG1735211
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 19 11:38:46 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:21:07 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11230118A11.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2Q	Method	: V111_230118_8260.m
Data File	: V11230118A14.D	Operator	: VOA111:MKS
Date Inj'd	: 1/18/2023 4:33 pm	Instrument	: VOA111
Sample	: I8260STD300PPB	Quant Date	: 1/19/2023 11:22 am

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A19.D
Acq On : 18 Jan 2023 06:47 pm
Operator : VOA111:MKS
Sample : C8260STD40PPB
Misc : WG1735211
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 19 11:51:31 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
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	108	0.00
2	TP	Dichlorodifluoromethane	0.234	0.208	11.1	120	0.00
3	TP	Chloromethane	0.273	0.273	0.0	120	0.00
4	TC	Vinyl chloride	0.337	0.312	7.4	115	0.00
5	TP	Bromomethane	0.370	0.312	15.7	108	0.00
6	TP	Chloroethane	0.150	0.151	-0.7	112	0.00
7	TP	Trichlorofluoromethane	* 40.000	34.496	13.8	108	0.00
8	TP	Ethyl ether	0.100	0.133	-33.0#	146	0.00
10	TP	1,1-Dichloroethene	0.200	0.157	21.5#	101	0.00
11	TP	Carbon disulfide	0.446	0.620	-39.0#	186	0.00
12	TP	Freon-113	* 40.000	33.947	15.1	112	0.00
14	TP	Acrolein	0.027	0.028	-3.7	132	0.00
15	TP	Methylene chloride	0.289	0.235	18.7	104	0.00
17	TP	Acetone	0.068	0.054	20.6#	95	0.00
18	TP	trans-1,2-Dichloroethene	0.238	0.208	12.6	107	-0.01
19	TP	Methyl acetate	0.131	0.124	5.3	111	0.00
20	TP	Methyl tert-butyl ether	0.562	0.634	-12.8	129	-0.01
21	TP	tert-Butyl alcohol	0.022	0.025	-13.6	123	0.00
22	TP	Diisopropyl ether	0.743	0.747	-0.5	113	0.00
23	TC	1,1-Dichloroethane	0.431	0.393	8.8	107	0.00
24	TP	Halothane	0.180	0.146	18.9	107	0.00
25	TP	Acrylonitrile	0.057	0.065	-14.0	124	0.00
26	TP	Ethyl tert-butyl ether	0.732	0.731	0.1	113	0.00
27	TP	Vinyl acetate	0.472	0.420	11.0	101	0.00
28	TP	cis-1,2-Dichloroethene	0.270	0.237	12.2	102	0.00
29	TP	2,2-Dichloropropane	0.353	0.286	19.0	103	0.00
30	TP	Bromochloromethane	0.125	0.110	12.0	99	0.00
31	TP	Cyclohexane	* 40.000	32.315	19.2	108	0.00
32	TC	Chloroform	0.454	0.412	9.3	107	0.00
33	TP	Ethyl acetate	0.198	0.184	7.1	105	0.00
34	TP	Carbon tetrachloride	0.310	0.246	20.6#	104	0.00
35	TP	Tetrahydrofuran	0.053	0.058	-9.4	124	-0.01
36	S	Dibromofluoromethane	0.257	0.251	2.3	107	0.00
37	TP	1,1,1-Trichloroethane	0.338	0.303	10.4	112	-0.01
39	TP	2-Butanone	0.088	0.081	8.0	103	-0.01
40	TP	1,1-Dichloropropene	* 40.000	33.026	17.4	103	-0.01
41	TP	Benzene	0.945	0.852	9.8	106	0.00
42	TP	tert-Amyl methyl ether	0.670	0.673	-0.4	112	-0.01
43	S	1,2-Dichloroethane-d4	0.254	0.248	2.4	107	-0.01

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A19.D
Acq On : 18 Jan 2023 06:47 pm
Operator : VOA111:MKS
Sample : C8260STD40PPB
Misc : WG1735211
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 19 11:51:31 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
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)
44	TP	1,2-Dichloroethane	0.320	0.281	12.2	100	0.00
47	TP	Methyl cyclohexane	* 40.000	32.516	18.7	109	0.00
48	TP	Trichloroethene	0.242	0.216	10.7	106	-0.01
50	TP	Dibromomethane	0.151	0.133	11.9	98	0.00
51	TC	1,2-Dichloropropane	0.248	0.225	9.3	102	0.00
53	TP	2-Chloroethyl vinyl ether	0.097	0.103	-6.2	123	-0.01
54	TP	Bromodichloromethane	0.347	0.310	10.7	101	0.00
57	TP	1,4-Dioxane	*2000.000	2017.954	-0.9	102	0.00
58	TP	cis-1,3-Dichloropropene	0.394	0.357	9.4	99	-0.01
59	I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00
60	S	Toluene-d8	1.296	1.321	-1.9	108	0.00
61	TC	Toluene	0.773	0.692	10.5	106	0.00
62	TP	4-Methyl-2-pentanone	* 40.000	37.405	6.5	109	0.00
63	TP	Tetrachloroethene	* 40.000	34.738	13.2	107	0.00
65	TP	trans-1,3-Dichloropropene	0.481	0.435	9.6	99	0.00
67	TP	Ethyl methacrylate	0.343	0.398	-16.0	126	0.00
68	TP	1,1,2-Trichloroethane	0.230	0.207	10.0	99	0.00
69	TP	Chlorodibromomethane	0.324	0.303	6.5	102	0.00
70	TP	1,3-Dichloropropane	0.464	0.427	8.0	101	-0.01
71	TP	1,2-Dibromoethane	0.258	0.249	3.5	102	0.00
72	TP	2-Hexanone	0.167	0.168	-0.6	106	0.00
73	TP	Chlorobenzene	0.903	0.815	9.7	103	0.00
74	TC	Ethylbenzene	1.456	1.316	9.6	107	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.309	0.294	4.9	102	0.00
76	TP	p/m Xylene	0.555	0.506	8.8	105	0.00
77	TP	o Xylene	0.536	0.552	-3.0	117	0.00
78	TP	Styrene	0.905	0.958	-5.9	116	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
80	TP	Bromoform	0.400	0.357	10.8	98	0.00
82	TP	Isopropylbenzene	2.709	2.418	10.7	107	0.00
83	S	4-Bromofluorobenzene	0.843	0.838	0.6	106	0.00
84	TP	Bromobenzene	0.721	0.640	11.2	100	0.00
85	TP	n-Propylbenzene	3.386	2.991	11.7	106	0.00
86	TP	1,4-Dichlorobutane	0.823	0.949	-15.3	129	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.679	0.597	12.1	98	0.00
88	TP	4-Ethyltoluene	2.714	2.879	-6.1	124	0.00
89	TP	2-Chlorotoluene	1.986	1.784	10.2	105	0.00

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A19.D
Acq On : 18 Jan 2023 06:47 pm
Operator : VOA111:MKS
Sample : C8260STD40PPB
Misc : WG1735211
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 19 11:51:31 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
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	2.310	2.075	10.2	104	0.00
91 TP	1,2,3-Trichloropropane	0.532	0.472	11.3	98	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.177	0.214	-20.9#	122	0.00
93 TP	4-Chlorotoluene	2.064	1.903	7.8	103	0.00
94 TP	tert-Butylbenzene	1.950	1.715	12.1	105	0.00
97 TP	1,2,4-Trimethylbenzene	2.300	2.179	5.3	106	0.00
98 TP	sec-Butylbenzene	2.953	2.607	11.7	105	0.00
99 TP	p-Isopropyltoluene	2.520	2.212	12.2	104	0.00
100 TP	1,3-Dichlorobenzene	1.397	1.279	8.4	102	0.00
101 TP	1,4-Dichlorobenzene	1.435	1.301	9.3	103	0.00
102 TP	p-Diethylbenzene	1.513	1.542	-1.9	118	0.00
103 TP	n-Butylbenzene	2.324	2.171	6.6	109	0.00
104 TP	1,2-Dichlorobenzene	1.322	1.204	8.9	100	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.363	2.442	-3.3	114	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.100	0.093	7.0	99	0.00
107 TP	1,3,5-Trichlorobenzene	0.965	0.824	14.6	96	0.00
108 TP	Hexachlorobutadiene	0.410	0.340	17.1	101	0.00
109 TP	1,2,4-Trichlorobenzene	0.834	0.763	8.5	101	0.00
110 TP	Naphthalene	1.792	1.661	7.3	101	0.00
111 TP	1,2,3-Trichlorobenzene	0.696	0.650	6.6	100	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A19.D
Acq On : 18 Jan 2023 06:47 pm
Operator : VOA111:MKS
Sample : C8260STD40PPB
Misc : WG1735211
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 19 11:51:31 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	110223	20.000	ug/L	0.00
Standard Area 1 = 101933			Recovery = 108.13%			
59) Chlorobenzene-d5	9.846	117	81114	20.000	ug/L	0.00
Standard Area 1 = 76687			Recovery = 105.77%			
79) 1,4-Dichlorobenzene-d4	12.488	152	42450	20.000	ug/L	0.00
Standard Area 1 = 40493			Recovery = 104.83%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.436	113	27679	19.580	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.90%			
43) 1,2-Dichloroethane-d4	5.971	65	27387	19.540	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.70%			
60) Toluene-d8	7.985	98	107168	20.382	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.91%			
83) 4-Bromofluorobenzene	11.298	95	35575	19.875	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.38%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	45816	35.552	ug/L	98
3) Chloromethane	1.897	50	60285	40.039	ug/L	98
4) Vinyl chloride	1.960	62	68843	37.108	ug/L	96
5) Bromomethane	2.301	94	68876	33.795	ug/L	98
6) Chloroethane	2.427	64	33178	40.188	ug/L	95
7) Trichlorofluoromethane	2.584	101	58079	34.496	ug/L	99
8) Ethyl ether	2.904	74	29282	53.394	ug/L #	67
10) 1,1-Dichloroethene	3.108	96	34713	31.514	ug/L	81
11) Carbon disulfide	3.140	76	136752	55.586	ug/L	100
12) Freon-113	3.150	101	38233	33.947	ug/L	95
14) Acrolein	3.434	56	6197	42.355	ug/L	97
15) Methylene chloride	3.685	84	51862	32.507	ug/L	67
17) Acetone	3.722	43	11873	31.756	ug/L	95
18) trans-1,2-Dichloroethene	3.848	96	45895	34.954	ug/L	82
19) Methyl acetate	3.848	43	27426	38.032	ug/L #	85
20) Methyl tert-butyl ether	3.947	73	139713	45.131	ug/L	84
21) tert-Butyl alcohol	4.026	59	27672	228.080	ug/L	95
22) Diisopropyl ether	4.325	45	164670	40.208	ug/L #	89
23) 1,1-Dichloroethane	4.451	63	86592	36.470	ug/L	96
24) Halothane	4.503	117	32081	32.428	ug/L	100
25) Acrylonitrile	4.493	53	14412	45.791	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A19.D
Acq On : 18 Jan 2023 06:47 pm
Operator : VOA111:MKS
Sample : C8260STD40PPB
Misc : WG1735211
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 19 11:51:31 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.681	59	161082	39.907	ug/L		85
27) Vinyl acetate	4.687	43	92592	35.610	ug/L	#	92
28) cis-1,2-Dichloroethene	4.986	96	52293	35.155	ug/L	#	83
29) 2,2-Dichloropropane	5.096	77	62940	32.390	ug/L		88
30) Bromochloromethane	5.180	128	24166	34.971	ug/L	#	68
31) Cyclohexane	5.200	56	61481	32.315	ug/L	#	58
32) Chloroform	5.253	83	90743	36.261	ug/L		95
33) Ethyl acetate	5.363	43	40470	37.120	ug/L	#	95
34) Carbon tetrachloride	5.405	117	54206	31.678	ug/L		98
35) Tetrahydrofuran	5.410	42	12858	44.218	ug/L	#	61
37) 1,1,1-Trichloroethane	5.468	97	66765	35.832	ug/L		97
39) 2-Butanone	5.547	43	17821	36.698	ug/L		98
40) 1,1-Dichloropropene	5.588	75	53014	33.026	ug/L		99
41) Benzene	5.840	78	187849	36.067	ug/L	#	89
42) tert-Amyl methyl ether	5.950	73	148250	40.154	ug/L	#	86
44) 1,2-Dichloroethane	6.045	62	62029	35.142	ug/L		97
47) Methyl cyclohexane	6.448	83	66629	32.516	ug/L	#	67
48) Trichloroethene	6.448	95	47591	35.636	ug/L		97
50) Dibromomethane	6.894	93	29339	35.305	ug/L		97
51) 1,2-Dichloropropane	6.999	63	49673	36.383	ug/L		96
53) 2-Chloroethyl vinyl ether	7.691	63	22773	42.728	ug/L	#	78
54) Bromodichloromethane	7.067	83	68313	35.771	ug/L		99
57) 1,4-Dioxane	7.282	88	21979	2017.954	ug/L	#	74
58) cis-1,3-Dichloropropene	7.764	75	78770	36.263	ug/L	#	88
61) Toluene	8.042	92	112246	35.803	ug/L		96
62) 4-Methyl-2-pentanone	8.472	58	15124	37.405	ug/L	#	77
63) Tetrachloroethene	8.498	166	41532	34.738	ug/L		99
65) trans-1,3-Dichloropropene	8.519	75	70548	36.182	ug/L	#	82
67) Ethyl methacrylate	8.708	69	64572	46.371	ug/L		88
68) 1,1,2-Trichloroethane	8.708	83	33654	36.129	ug/L		97
69) Chlorodibromomethane	8.923	129	49150	37.413	ug/L		97
70) 1,3-Dichloropropane	9.033	76	69243	36.782	ug/L		99
71) 1,2-Dibromoethane	9.211	107	40468	38.610	ug/L		98
72) 2-Hexanone	9.484	43	27193	40.237	ug/L		92
73) Chlorobenzene	9.867	112	132261	36.114	ug/L	#	89
74) Ethylbenzene	9.904	91	213512	36.148	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.945	131	47766	38.055	ug/L		99
76) p/m Xylene	10.092	106	164276	73.011	ug/L		99
77) o Xylene	10.617	106	178993	82.310	ug/L		100
78) Styrene	10.680	104	310818	84.647	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A19.D
Acq On : 18 Jan 2023 06:47 pm
Operator : VOA111:MKS
Sample : C8260STD40PPB
Misc : WG1735211
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 19 11:51:31 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230118ICAL\V11230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	10.701	173	30309	35.714	ug/L		99
82) Isopropylbenzene	10.989	105	205296	35.699	ug/L		99
84) Bromobenzene	11.414	156	54298	35.460	ug/L		100
85) n-Propylbenzene	11.456	91	253908	35.326	ug/L		98
86) 1,4-Dichlorobutane	11.466	55	80612	46.160	ug/L		94
87) 1,1,2,2-Tetrachloroethane	11.529	83	50700	35.194	ug/L		99
88) 4-Ethyltoluene	11.576	105	244418	42.429	ug/L		99
89) 2-Chlorotoluene	11.618	91	151441M1	35.920	ug/L		
90) 1,3,5-Trimethylbenzene	11.670	105	176193	35.934	ug/L		99
91) 1,2,3-Trichloropropane	11.670	75	40096	35.482	ug/L		99
92) trans-1,4-Dichloro-2-b...	11.718	53	18176	48.291	ug/L	#	77
93) 4-Chlorotoluene	11.796	91	161548	36.867	ug/L		100
94) tert-Butylbenzene	12.011	119	145572	35.166	ug/L		99
97) 1,2,4-Trimethylbenzene	12.085	105	185020	37.900	ug/L		99
98) sec-Butylbenzene	12.195	105	221339	35.317	ug/L		99
99) p-Isopropyltoluene	12.347	119	187809	35.117	ug/L		99
100) 1,3-Dichlorobenzene	12.415	146	108546	36.606	ug/L		100
101) 1,4-Dichlorobenzene	12.504	146	110470	36.271	ug/L		99
102) p-Diethylbenzene	12.714	119	130954	40.777	ug/L		99
103) n-Butylbenzene	12.772	91	184277	37.360	ug/L		98
104) 1,2-Dichlorobenzene	12.924	146	102259	36.437	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.495	119	207301	41.330	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.689	155	7896	37.110	ug/L		100
107) 1,3,5-Trichlorobenzene	13.726	180	69922	34.132	ug/L		98
108) Hexachlorobutadiene	14.297	225	28894	33.181	ug/L		99
109) 1,2,4-Trichlorobenzene	14.318	180	64758	36.598	ug/L		98
110) Naphthalene	14.612	128	141052	37.079	ug/L		100
111) 1,2,3-Trichlorobenzene	14.780	180	55192	37.360	ug/L		99

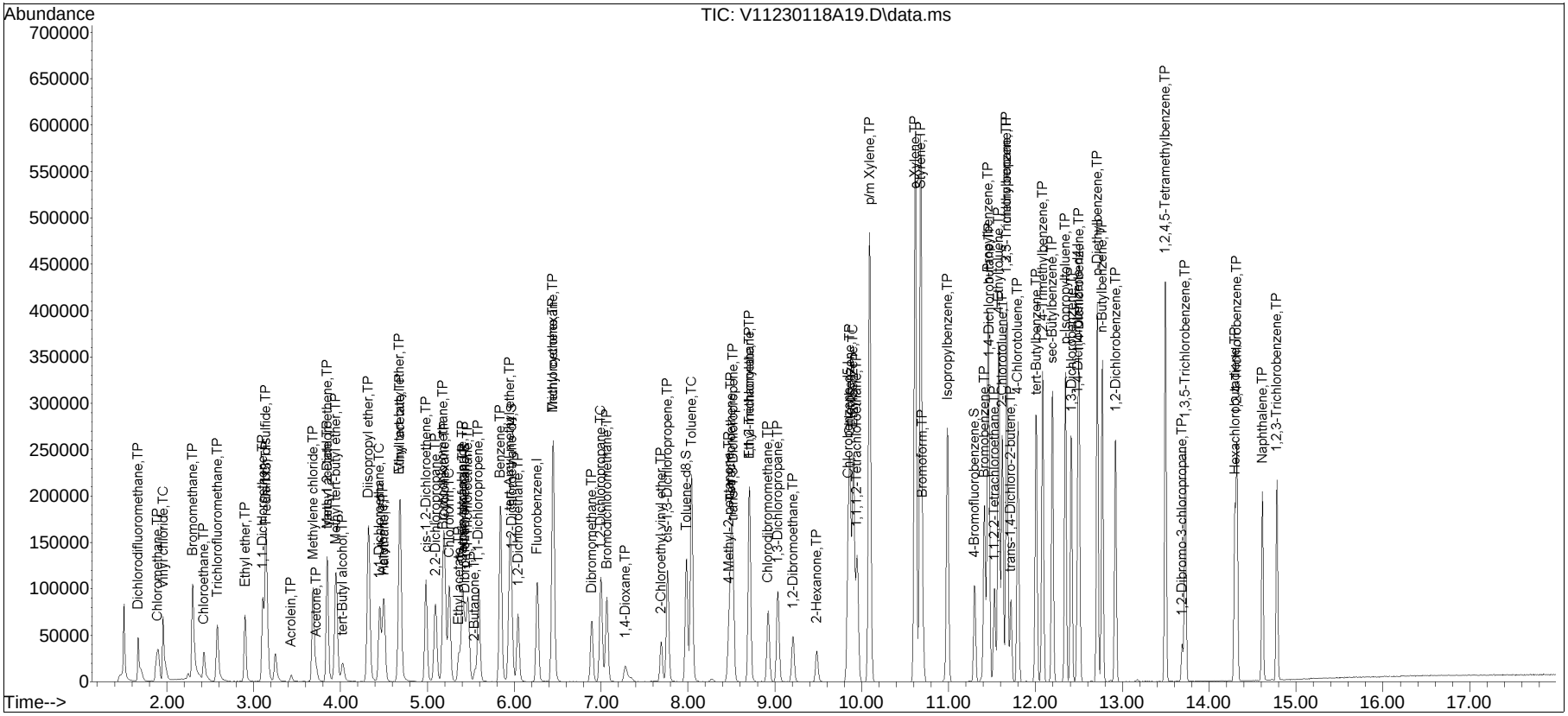
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Data File : V11230118A19.D
Acq On : 18 Jan 2023 06:47 pm
Operator : VOA111:MKS
Sample : C8260STD40PPB
Misc : WG1735211
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 19 11:51:31 2023
Quant Method : I:\VOLATILES\VOA111\2023\230118ICAL\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

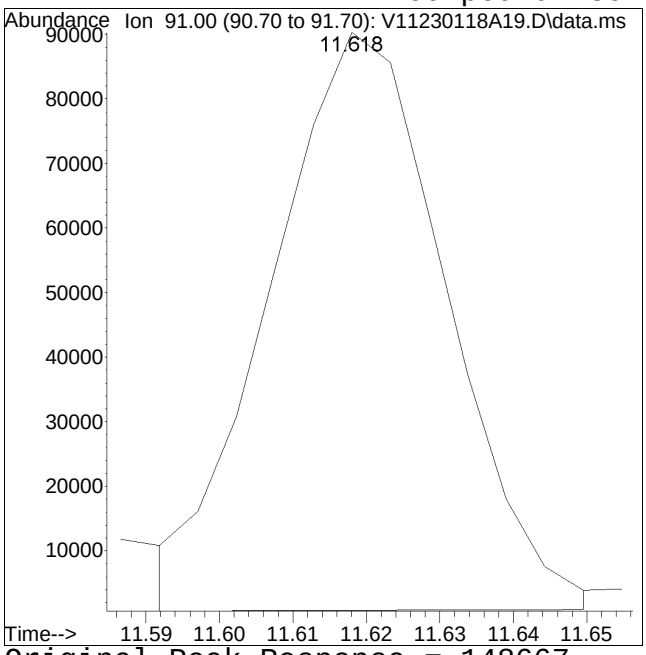
Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V11230118A11.D•

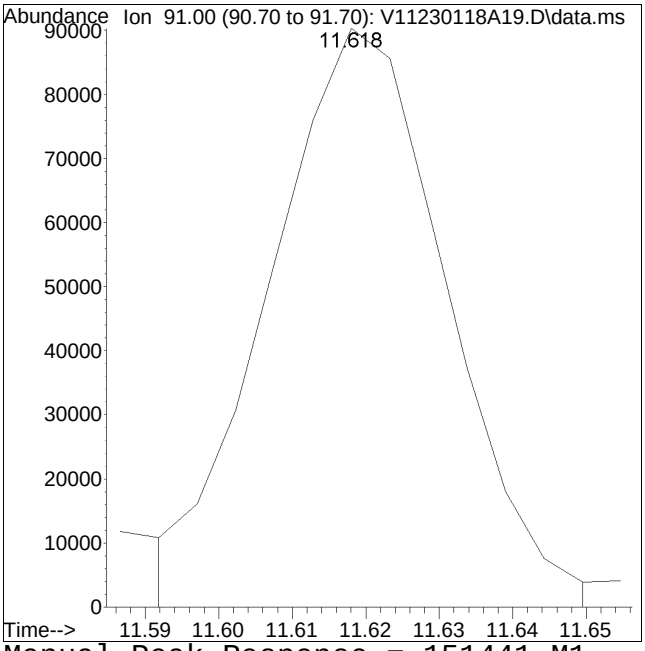


Manual Integration Report

Data Path : I:\VOLATILES\VOA111\2023\2QMethod : V111_230118_8260.m
Data File : V11230118A19.D Operator : VOA111:MKS
Date Inj'd : 1/18/2023 6:47 pm Instrument : VOA111
Sample : C8260STD40PPB Quant Date : 1/19/2023 11:50 am

Compound #89: 2-Chlorotoluene





Original Peak Response = 148667 Manual Peak Response = 151441 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Relative Error Report VOA111

Method Path : I:\VOLATILES\VOA111\2023\230118ICAL\
Method File : V111_230118_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jan 19 11:49:17 2023

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
7	TP Trichlorofluoromethane	Q	ug/L	40.0	34.649	-13.4	2.00	2.158	7.9
12	TP Freon-113	Q	ug/L	40.0	32.960	-17.6	2.00	2.254	12.7
31	TP Cyclohexane	Q	ug/L	40.0	32.250	-19.4	2.00	2.410	20.5
40	TP 1,1-Dichloropropene	Q	ug/L	40.0	34.478	-13.8	0.50	0.519	3.8
47	TP Methyl cyclohexane	Q	ug/L	40.0	32.291	-19.3	1.00	1.082	8.2
57	TP 1,4-Dioxane	L	ug/L	2000.0	2128.801	6.4	80.00	68.855	-13.9
62	TP 4-Methyl-2-pentanone	L	ug/L	40.0	36.293	-9.3	2.00	2.384	19.2
63	TP Tetrachloroethene	Q	ug/L	40.0	34.455	-13.9	0.50	0.541	8.2

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
7	TP Trichlorofluoromethane	Quadratic	0.996766	0.008856	0.290218	1.63879e-005
12	TP Freon-113	Quadratic	0.994599	0.004822	0.197076	-0.00153476
31	TP Cyclohexane	Quadratic	0.993496	0.008025	0.335975	-0.00602022
40	TP 1,1-Dichloropropene	Quadratic	0.995922	0.005021	0.284406	-0.00236437
47	TP Methyl cyclohexane	Quadratic	0.994086	0.010132	0.358926	-0.0058201
57	TP 1,4-Dioxane	Linear	0.999295	0.000000	0.00201093	-0.00349333
62	TP 4-Methyl-2-pentanone	Linear	0.997532	0.000000	0.103303	-0.0067509
63	TP Tetrachloroethene	Quadratic	0.997139	0.006322	0.285044	-0.00215445

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838		
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS		
Instrument ID	: VOA101	**Calibration Date**	: 02/09/23 06:44		
Lab File ID	: V01230209A01	**Init. Calib. Date(s)**	: 12/16/22	12/16/22	
Sample No	: WG1742861-2	**Init. Calib. Times**	: 12:37	16:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	128	0
Dichlorodifluoromethane	0.227	0.194	-	14.5	20	110	0
Chloromethane	0.264	0.208	-	21.2*	20	101	0
Vinyl chloride	0.369	0.273	-	26*	20	91	0
Bromomethane	0.252	0.117	-	53.6*	20	70	0
Chloroethane	0.301	0.221	-	26.6*	20	93	0
Trichlorofluoromethane	0.64	0.506	-	20.9*	20	103	0
Ethyl ether	0.152	0.12	-	21.1*	20	108	0
1,1-Dichloroethene	0.359	0.268	-	25.3*	20	98	0
Carbon disulfide	0.659	0.776	-	-17.8	20	156	0
Freon-113	0.403	0.324	-	19.6	20	102	0
Acrolein	0.023	0.025	-	-8.7	20	154	0
Methylene chloride	0.233	0.225	-	3.4	20	129	0
Acetone	0.047	0.057	-	-21.3*	20	152	-.01
trans-1,2-Dichloroethene	0.242	0.237	-	2.1	20	131	0
Methyl acetate	0.109	0.12	-	-10.1	20	158	0
Methyl tert-butyl ether	0.445	0.444	-	0.2	20	141	0
tert-Butyl alcohol	0.01	0.011	-	-10	20	171	0
Diisopropyl ether	0.829	0.93	-	-12.2	20	156	0
1,1-Dichloroethane	0.451	0.461	-	-2.2	20	135	0
Halothane	0.186	0.189	-	-1.6	20	137	0
Acrylonitrile	0.046	0.049	-	-6.5	20	153	0
Ethyl tert-butyl ether	0.664	0.676	-	-1.8	20	146	0
Vinyl acetate	0.458	0.56	-	-22.3*	20	204	0
cis-1,2-Dichloroethene	0.269	0.264	-	1.9	20	132	0
2,2-Dichloropropane	0.35	0.391	-	-11.7	20	151	0
Bromochloromethane	0.125	0.123	-	1.6	20	135	0
Cyclohexane	0.466	0.464	-	0.4	20	138	0
Chloroform	0.442	0.445	-	-0.7	20	136	0
Ethyl acetate	0.155	0.178	-	-14.8	20	168	-.01
Carbon tetrachloride	0.329	0.365	-	-10.9	20	158	0
Tetrahydrofuran	0.044	0.05	-	-13.6	20	157	0
Dibromofluoromethane	0.279	0.277	-	0.7	20	129	0
1,1,1-Trichloroethane	0.371	0.392	-	-5.7	20	142	0
2-Butanone	0.062	0.073	-	-17.7	20	170	0
1,1-Dichloropropene	0.328	0.342	-	-4.3	20	138	-.01
Benzene	1.016	0.94	-	7.5	20	131	0
tert-Amyl methyl ether	0.54	0.53	-	1.9	20	139	0
1,2-Dichloroethane-d4	0.305	0.308	-	-1	20	130	0
1,2-Dichloroethane	0.304	0.315	-	-3.6	20	141	0
Methyl cyclohexane	0.433	0.408	-	5.8	20	134	0
Trichloroethene	0.278	0.272	-	2.2	20	134	0
Dibromomethane	0.135	0.132	-	2.2	20	135	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838		
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS		
Instrument ID	: VOA101	**Calibration Date**	: 02/09/23 06:44		
Lab File ID	: V01230209A01	**Init. Calib. Date(s)**	: 12/16/22	12/16/22	
Sample No	: WG1742861-2	**Init. Calib. Times**	: 12:37	16:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.246	0.264	-	-7.3	20	145	0
Bromodichloromethane	0.305	0.337	-	-10.5	20	155	0
1,4-Dioxane	0.00128	0.00104*	-	18.8	20	108	0
cis-1,3-Dichloropropene	0.355	0.381	-	-7.3	20	151	0
Chlorobenzene-d5	1	1	-	0	20	133	0
Toluene-d8	1.219	1.237	-	-1.5	20	131	0
Toluene	0.776	0.758	-	2.3	20	133	0
4-Methyl-2-pentanone	0.064	0.064	-	0	20	151	0
Tetrachloroethene	0.334	0.325	-	2.7	20	133	0
trans-1,3-Dichloropropene	0.368	0.397	-	-7.9	20	158	0
Ethyl methacrylate	0.25	0.256	-	-2.4	20	169	0
1,1,2-Trichloroethane	0.185	0.187*	-	-1.1	20	139	0
Chlorodibromomethane	0.251	0.281	-	-12	20	166	0
1,3-Dichloropropane	0.377	0.391	-	-3.7	20	142	0
1,2-Dibromoethane	0.215	0.213	-	0.9	20	140	0
2-Hexanone	0.117	0.131	-	-12	20	167	0
Chlorobenzene	0.904	0.882	-	2.4	20	138	0
Ethylbenzene	1.544	1.51	-	2.2	20	136	0
1,1,1,2-Tetrachloroethane	0.291	0.318	-	-9.3	20	161	0
p/m Xylene	0.603	0.59	-	2.2	20	137	0
o Xylene	0.587	0.561	-	4.4	20	142	0
Styrene	20	17.595	-	12	20	143	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	132	0
Bromoform	10	11.499	-	-15	20	183	0
Isopropylbenzene	2.789	2.821	-	-1.1	20	137	0
4-Bromofluorobenzene	0.815	0.896	-	-9.9	20	140	0
Bromobenzene	0.649	0.643	-	0.9	20	136	0
n-Propylbenzene	3.305	3.34	-	-1.1	20	137	0
1,4-Dichlorobutane	0.645	0.699	-	-8.4	20	152	0
1,1,2,2-Tetrachloroethane	0.458	0.473	-	-3.3	20	145	0
4-Ethyltoluene	2.65	2.719	-	-2.6	20	140	0
2-Chlorotoluene	1.867	1.933	-	-3.5	20	140	0
1,3,5-Trimethylbenzene	2.262	2.224	-	1.7	20	138	0
1,2,3-Trichloropropane	0.384	0.373	-	2.9	20	139	0
trans-1,4-Dichloro-2-buten	0.123	0.143	-	-16.3	20	172	0
4-Chlorotoluene	1.88	1.911	-	-1.6	20	138	0
tert-Butylbenzene	1.863	1.871	-	-0.4	20	136	0
1,2,4-Trimethylbenzene	2.165	2.163	-	0.1	20	137	0
sec-Butylbenzene	2.662	2.677	-	-0.6	20	136	0
p-Isopropyltoluene	2.242	2.244	-	-0.1	20	136	0
1,3-Dichlorobenzene	1.228	1.204	-	2	20	136	0
1,4-Dichlorobenzene	1.264	1.204	-	4.7	20	135	0
p-Diethylbenzene	1.251	1.263	-	-1	20	140	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838		
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS		
Instrument ID	: VOA101	**Calibration Date**	: 02/09/23 06:44		
Lab File ID	: V01230209A01	**Init. Calib. Date(s)**	: 12/16/22	12/16/22	
Sample No	: WG1742861-2	**Init. Calib. Times**	: 12:37	16:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.803	1.884	-	-4.5	20	139	0
1,2-Dichlorobenzene	1.1	1.067	-	3	20	136	0
1,2,4,5-Tetramethylbenzene	1.684	1.681	-	0.2	20	140	0
1,2-Dibromo-3-chloropropan	10	9.511	-	4.9	20	160	0
1,3,5-Trichlorobenzene	0.617	0.611	-	1	20	135	0
Hexachlorobutadiene	0.201	0.222	-	-10.4	20	150	0
1,2,4-Trichlorobenzene	0.516	0.509	-	1.4	20	137	0
Naphthalene	1.147	1.108	-	3.4	20	136	0
1,2,3-Trichlorobenzene	0.427	0.416	-	2.6	20	138	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	Lab Number	: L2306838	
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS	
Instrument ID	: VOA111	Calibration Date	: 02/10/23 07:29	
Lab File ID	: V11230210A01	Init. Calib. Date(s)	: 01/18/23	01/18/23
Sample No	: WG1743940-2	Init. Calib. Times	: 11:38	16:33
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	75	0
Dichlorodifluoromethane	0.234	0.21	-	10.3	20	84	0
Chloromethane	0.273	0.258	-	5.5	20	78	0
Vinyl chloride	0.337	0.375	-	-11.3	20	96	0
Bromomethane	0.37	0.419	-	-13.2	20	100	0
Chloroethane	0.15	0.187	-	-24.7*	20	96	0
Trichlorofluoromethane	40	44.826	-	-12.1	20	98	0
Ethyl ether	0.1	0.103	-	-3	20	78	0
1,1-Dichloroethene	0.2	0.206	-	-3	20	91	0
Carbon disulfide	0.446	0.742	-	-66.4*	20	153	0
Freon-113	40	45.122	-	-12.8	20	104	0
Acrolein	0.027	0.029	-	-7.4	20	94	0
Methylene chloride	0.289	0.247	-	14.5	20	76	-.01
Acetone	0.068	0.062	-	8.8	20	76	0
trans-1,2-Dichloroethene	0.238	0.239	-	-0.4	20	84	-.01
Methyl acetate	0.131	0.129	-	1.5	20	79	0
Methyl tert-butyl ether	0.562	0.55	-	2.1	20	77	-.01
tert-Butyl alcohol	0.022	0.021	-	4.5	20	73	0
Diisopropyl ether	0.743	0.706	-	5	20	74	-.01
1,1-Dichloroethane	0.431	0.423	-	1.9	20	80	0
Halothane	0.18	0.178	-	1.1	20	90	0
Acrylonitrile	0.057	0.059	-	-3.5	20	78	-.01
Ethyl tert-butyl ether	0.732	0.692	-	5.5	20	74	0
Vinyl acetate	0.472	0.525	-	-11.2	20	87	0
cis-1,2-Dichloroethene	0.27	0.258	-	4.4	20	76	-.01
2,2-Dichloropropane	0.353	0.361	-	-2.3	20	90	-.01
Bromochloromethane	0.125	0.124	-	0.8	20	77	0
Cyclohexane	40	41.516	-	-3.8	20	97	0
Chloroform	0.454	0.449	-	1.1	20	81	-.01
Ethyl acetate	0.198	0.189	-	4.5	20	75	0
Carbon tetrachloride	0.31	0.314	-	-1.3	20	92	-.01
Tetrahydrofuran	0.053	0.052	-	1.9	20	76	-.01
Dibromofluoromethane	0.257	0.255	-	0.8	20	75	-.01
1,1,1-Trichloroethane	0.338	0.346	-	-2.4	20	88	-.01
2-Butanone	0.088	0.087	-	1.1	20	77	-.01
1,1-Dichloropropene	40	41.254	-	-3.1	20	90	-.01
Benzene	0.945	0.928	-	1.8	20	80	0
tert-Amyl methyl ether	0.67	0.636	-	5.1	20	73	-.01
1,2-Dichloroethane-d4	0.254	0.252	-	0.8	20	75	-.01
1,2-Dichloroethane	0.32	0.293	-	8.4	20	72	-.01
Methyl cyclohexane	40	42.439	-	-6.1	20	100	0
Trichloroethene	0.242	0.246	-	-1.7	20	84	-.02
Dibromomethane	0.151	0.143	-	5.3	20	73	-.01

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838	
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS	
Instrument ID	: VOA111	**Calibration Date**	: 02/10/23 07:29	
Lab File ID	: V11230210A01	**Init. Calib. Date(s)**	: 01/18/23	01/18/23
Sample No	: WG1743940-2	**Init. Calib. Times**	: 11:38	16:33
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.248	0.24	-	3.2	20	75	-.01
2-Chloroethyl vinyl ether	0.097	0.093	-	4.1	20	76	-.02
Bromodichloromethane	0.347	0.33	-	4.9	20	74	-.01
1,4-Dioxane	2000	2044.692	-	-2.2	20	72	-.02
cis-1,3-Dichloropropene	0.394	0.38	-	3.6	20	73	-.01
Chlorobenzene-d5	1	1	-	0	20	74	-.01
Toluene-d8	1.296	1.327	-	-2.4	20	75	-.01
Toluene	0.773	0.759	-	1.8	20	81	-.01
4-Methyl-2-pentanone	40	36.26	-	9.4	20	74	-.01
Tetrachloroethene	40	41.791	-	-4.5	20	90	-.01
trans-1,3-Dichloropropene	0.481	0.459	-	4.6	20	73	0
Ethyl methacrylate	0.343	0.335	-	2.3	20	74	-.01
1,1,2-Trichloroethane	0.23	0.225	-	2.2	20	74	-.01
Chlorodibromomethane	0.324	0.312	-	3.7	20	73	-.01
1,3-Dichloropropane	0.464	0.446	-	3.9	20	73	-.01
1,2-Dibromoethane	0.258	0.26	-	-0.8	20	74	0
2-Hexanone	0.167	0.162	-	3	20	71	-.01
Chlorobenzene	0.903	0.876	-	3	20	77	-.01
Ethylbenzene	1.456	1.462	-	-0.4	20	82	0
1,1,1,2-Tetrachloroethane	0.309	0.312	-	-1	20	75	0
p/m Xylene	0.555	0.582	-	-4.9	20	84	-.01
o Xylene	0.536	0.559	-	-4.3	20	82	-.01
Styrene	0.905	0.966	-	-6.7	20	81	-.01
1,4-Dichlorobenzene-d4	1	1	-	0	20	72	0
Bromoform	0.4	0.388	-	3	20	73	0
Isopropylbenzene	2.709	2.768	-	-2.2	20	84	-.01
4-Bromofluorobenzene	0.843	0.789	-	6.4	20	69	0
Bromobenzene	0.721	0.68	-	5.7	20	73	0
n-Propylbenzene	3.386	3.446	-	-1.8	20	84	0
1,4-Dichlorobutane	0.823	0.781	-	5.1	20	73	-.01
1,1,2,2-Tetrachloroethane	0.679	0.684	-	-0.7	20	77	-.01
4-Ethyltoluene	2.714	2.832	-	-4.3	20	84	0
2-Chlorotoluene	1.986	1.941	-	2.3	20	78	0
1,3,5-Trimethylbenzene	2.31	2.344	-	-1.5	20	81	0
1,2,3-Trichloropropane	0.532	0.519	-	2.4	20	74	0
trans-1,4-Dichloro-2-buten	0.177	0.187	-	-5.6	20	73	0
4-Chlorotoluene	2.064	2.017	-	2.3	20	75	0
tert-Butylbenzene	1.95	2	-	-2.6	20	84	0
1,2,4-Trimethylbenzene	2.3	2.318	-	-0.8	20	77	0
sec-Butylbenzene	2.953	3.114	-	-5.5	20	86	0
p-Isopropyltoluene	2.52	2.57	-	-2	20	83	0
1,3-Dichlorobenzene	1.397	1.384	-	0.9	20	76	0
1,4-Dichlorobenzene	1.435	1.391	-	3.1	20	75	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA111	**Calibration Date**	: 02/10/23 07:29
Lab File ID	: V11230210A01	**Init. Calib. Date(s)**	: 01/18/23 01/18/23
Sample No	: WG1743940-2	**Init. Calib. Times**	: 11:38 16:33
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.513	1.577	-	-4.2	20	83	0
n-Butylbenzene	2.324	2.5	-	-7.6	20	86	0
1,2-Dichlorobenzene	1.322	1.263	-	4.5	20	72	0
1,2,4,5-Tetramethylbenzene	2.363	2.327	-	1.5	20	75	0
1,2-Dibromo-3-chloropropan	0.1	0.093	-	7	20	68	0
1,3,5-Trichlorobenzene	0.965	0.985	-	-2.1	20	79	0
Hexachlorobutadiene	0.41	0.414	-	-1	20	84	0
1,2,4-Trichlorobenzene	0.834	0.834	-	0	20	76	0
Naphthalene	1.792	1.767	-	1.4	20	74	0
1,2,3-Trichlorobenzene	0.696	0.704	-	-1.1	20	74	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838	
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS	
Instrument ID	: VOA111	**Calibration Date**	: 02/13/23 07:55	
Lab File ID	: V11230213A02	**Init. Calib. Date(s)**	: 01/18/23	01/18/23
Sample No	: WG1744281-2	**Init. Calib. Times**	: 11:38	16:33
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	83	0
Dichlorodifluoromethane	0.234	0.196	-	16.2	20	87	0
Chloromethane	0.273	0.231	-	15.4	20	78	0
Vinyl chloride	0.337	0.321	-	4.7	20	91	0
Bromomethane	0.37	0.337	-	8.9	20	89	0
Chloroethane	0.15	0.16	-	-6.7	20	91	0
Trichlorofluoromethane	40	43.088	-	-7.7	20	104	0
Ethyl ether	0.1	0.101	-	-1	20	85	0
1,1-Dichloroethene	0.2	0.202	-	-1	20	99	0
Carbon disulfide	0.446	0.7	-	-57*	20	161	0
Freon-113	40	44.561	-	-11.4	20	114	0
Acrolein	0.027	0.028	-	-3.7	20	102	0
Methylene chloride	0.289	0.233	-	19.4	20	79	0
Acetone	0.068	0.066	-	2.9	20	89	0
trans-1,2-Dichloroethene	0.238	0.229	-	3.8	20	90	-.01
Methyl acetate	0.131	0.122	-	6.9	20	84	0
Methyl tert-butyl ether	0.562	0.534	-	5	20	83	-.01
tert-Butyl alcohol	0.022	0.02	-	9.1	20	77	0
Diisopropyl ether	0.743	0.675	-	9.2	20	79	-.01
1,1-Dichloroethane	0.431	0.401	-	7	20	84	0
Halothane	0.18	0.18	-	0	20	101	0
Acrylonitrile	0.057	0.057	-	0	20	83	-.01
Ethyl tert-butyl ether	0.732	0.667	-	8.9	20	79	0
Vinyl acetate	0.472	0.468	-	0.8	20	86	0
cis-1,2-Dichloroethene	0.27	0.251	-	7	20	83	-.01
2,2-Dichloropropane	0.353	0.351	-	0.6	20	97	-.01
Bromochloromethane	0.125	0.12	-	4	20	83	0
Cyclohexane	40	41.735	-	-4.3	20	109	0
Chloroform	0.454	0.424	-	6.6	20	85	0
Ethyl acetate	0.198	0.18	-	9.1	20	79	0
Carbon tetrachloride	0.31	0.312	-	-0.6	20	101	0
Tetrahydrofuran	0.053	0.05	-	5.7	20	81	-.01
Dibromofluoromethane	0.257	0.252	-	1.9	20	82	-.01
1,1,1-Trichloroethane	0.338	0.339	-	-0.3	20	96	0
2-Butanone	0.088	0.087	-	1.1	20	85	-.01
1,1-Dichloropropene	40	40.552	-	-1.4	20	98	-.01
Benzene	0.945	0.885	-	6.3	20	85	0
tert-Amyl methyl ether	0.67	0.619	-	7.6	20	79	-.01
1,2-Dichloroethane-d4	0.254	0.247	-	2.8	20	82	-.01
1,2-Dichloroethane	0.32	0.281	-	12.2	20	77	0
Methyl cyclohexane	40	42.401	-	-6	20	111	0
Trichloroethene	0.242	0.243	-	-0.4	20	92	-.02
Dibromomethane	0.151	0.139	-	7.9	20	79	-.01

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838	
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS	
Instrument ID	: VOA111	**Calibration Date**	: 02/13/23 07:55	
Lab File ID	: V11230213A02	**Init. Calib. Date(s)**	: 01/18/23	01/18/23
Sample No	: WG1744281-2	**Init. Calib. Times**	: 11:38	16:33
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.248	0.229	-	7.7	20	79	-.01
2-Chloroethyl vinyl ether	0.097	0.094	-	3.1	20	86	-.02
Bromodichloromethane	0.347	0.317	-	8.6	20	79	-.01
1,4-Dioxane	2000	2162.165	-	-8.1	20	84	0
cis-1,3-Dichloropropene	0.394	0.374	-	5.1	20	80	-.01
Chlorobenzene-d5	1	1	-	0	20	83	-.01
Toluene-d8	1.296	1.3	-	-0.3	20	83	-.01
Toluene	0.773	0.721	-	6.7	20	86	0
4-Methyl-2-pentanone	40	34.535	-	13.7	20	79	0
Tetrachloroethene	40	41.404	-	-3.5	20	101	-.01
trans-1,3-Dichloropropene	0.481	0.441	-	8.3	20	79	0
Ethyl methacrylate	0.343	0.324	-	5.5	20	81	0
1,1,2-Trichloroethane	0.23	0.213	-	7.4	20	80	0
Chlorodibromomethane	0.324	0.302	-	6.8	20	80	0
1,3-Dichloropropane	0.464	0.428	-	7.8	20	80	-.01
1,2-Dibromoethane	0.258	0.251	-	2.7	20	81	0
2-Hexanone	0.167	0.163	-	2.4	20	81	0
Chlorobenzene	0.903	0.843	-	6.6	20	83	-.01
Ethylbenzene	1.456	1.401	-	3.8	20	89	0
1,1,1,2-Tetrachloroethane	0.309	0.297	-	3.9	20	81	0
p/m Xylene	0.555	0.549	-	1.1	20	89	0
o Xylene	0.536	0.529	-	1.3	20	88	0
Styrene	0.905	0.906	-	-0.1	20	86	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	81	0
Bromoform	0.4	0.373	-	6.8	20	79	0
Isopropylbenzene	2.709	2.669	-	1.5	20	91	-.01
4-Bromofluorobenzene	0.843	0.804	-	4.6	20	79	0
Bromobenzene	0.721	0.661	-	8.3	20	80	0
n-Propylbenzene	3.386	3.319	-	2	20	91	-.01
1,4-Dichlorobutane	0.823	0.745	-	9.5	20	78	-.01
1,1,2,2-Tetrachloroethane	0.679	0.622	-	8.4	20	78	0
4-Ethyltoluene	2.714	2.706	-	0.3	20	90	0
2-Chlorotoluene	1.986	1.853	-	6.7	20	84	0
1,3,5-Trimethylbenzene	2.31	2.233	-	3.3	20	86	0
1,2,3-Trichloropropane	0.532	0.486	-	8.6	20	78	-.01
trans-1,4-Dichloro-2-buten	0.177	0.185	-	-4.5	20	81	-.01
4-Chlorotoluene	2.064	1.93	-	6.5	20	80	0
tert-Butylbenzene	1.95	1.922	-	1.4	20	91	0
1,2,4-Trimethylbenzene	2.3	2.195	-	4.6	20	82	0
sec-Butylbenzene	2.953	2.981	-	-0.9	20	93	0
p-Isopropyltoluene	2.52	2.489	-	1.2	20	90	0
1,3-Dichlorobenzene	1.397	1.325	-	5.2	20	81	0
1,4-Dichlorobenzene	1.435	1.327	-	7.5	20	81	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838		
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS		
Instrument ID	: VOA111	**Calibration Date**	: 02/13/23 07:55		
Lab File ID	: V11230213A02	**Init. Calib. Date(s)**	: 01/18/23	01/18/23	
Sample No	: WG1744281-2	**Init. Calib. Times**	: 11:38	16:33	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.513	1.526	-	-0.9	20	90	0
n-Butylbenzene	2.324	2.366	-	-1.8	20	92	0
1,2-Dichlorobenzene	1.322	1.212	-	8.3	20	77	-.01
1,2,4,5-Tetramethylbenzene	2.363	2.212	-	6.4	20	80	0
1,2-Dibromo-3-chloropropan	0.1	0.089	-	11	20	73	0
1,3,5-Trichlorobenzene	0.965	0.919	-	4.8	20	83	0
Hexachlorobutadiene	0.41	0.394	-	3.9	20	90	0
1,2,4-Trichlorobenzene	0.834	0.785	-	5.9	20	80	0
Naphthalene	1.792	1.664	-	7.1	20	78	0
1,2,3-Trichlorobenzene	0.696	0.655	-	5.9	20	78	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A01.D
Acq On : 9 Feb 2023 6:44 am
Operator : VOA101:PID
Sample : WG1742861-2
Misc : WG1742861,ICAL19605
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 09 07:14:10 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
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	128	0.00
2	TP	Dichlorodifluoromethane	0.227	0.194	14.5	110	0.00
3	TP	Chloromethane	0.264	0.208	21.2#	101	0.00
4	TC	Vinyl chloride	0.369	0.273	26.0#	91	0.00
5	TP	Bromomethane	0.252	0.117	53.6#	70	0.00
6	TP	Chloroethane	0.301	0.221	26.6#	93	0.00
7	TP	Trichlorofluoromethane	0.640	0.506	20.9#	103	0.00
8	TP	Ethyl ether	0.152	0.120	21.1#	108	0.00
10	TC	1,1-Dichloroethene	0.359	0.268	25.3#	98	0.00
11	TP	Carbon disulfide	0.659	0.776	-17.8	156	0.00
12	TP	Freon-113	0.403	0.324	19.6	102	0.00
14	TP	Acrolein	0.023	0.025	-8.7	154	0.00
15	TP	Methylene chloride	0.233	0.225	3.4	129	0.00
17	TP	Acetone	0.047	0.057	-21.3#	152	-0.01
18	TP	trans-1,2-Dichloroethene	0.242	0.237	2.1	131	0.00
19	TP	Methyl acetate	0.109	0.120	-10.1	158	0.00
20	TP	Methyl tert-butyl ether	0.445	0.444	0.2	141	0.00
21	TP	tert-Butyl alcohol	0.010	0.011	-10.0	171	0.00
22	TP	Diisopropyl ether	0.829	0.930	-12.2	156	0.00
23	TP	1,1-Dichloroethane	0.451	0.461	-2.2	135	0.00
24	TP	Halothane	0.186	0.189	-1.6	137	0.00
25	TP	Acrylonitrile	0.046	0.049	-6.5	153	0.00
26	TP	Ethyl tert-butyl ether	0.664	0.676	-1.8	146	0.00
27	TP	Vinyl acetate	0.458	0.560	-22.3#	204#	0.00
28	TP	cis-1,2-Dichloroethene	0.269	0.264	1.9	132	0.00
29	TP	2,2-Dichloropropane	0.350	0.391	-11.7	151	0.00
30	TP	Bromochloromethane	0.125	0.123	1.6	135	0.00
31	TP	Cyclohexane	0.466	0.464	0.4	138	0.00
32	TC	Chloroform	0.442	0.445	-0.7	136	0.00
33	TP	Ethyl acetate	0.155	0.178	-14.8	168	-0.01
34	TP	Carbon tetrachloride	0.329	0.365	-10.9	158	0.00
35	TP	Tetrahydrofuran	0.044	0.050	-13.6	157	0.00
36	S	Dibromofluoromethane	0.279	0.277	0.7	129	0.00
37	TP	1,1,1-Trichloroethane	0.371	0.392	-5.7	142	0.00
39	TP	2-Butanone	0.062	0.073	-17.7	170	0.00
40	TP	1,1-Dichloropropene	0.328	0.342	-4.3	138	-0.01
41	TP	Benzene	1.016	0.940	7.5	131	0.00
42	TP	tert-Amyl methyl ether	0.540	0.530	1.9	139	0.00
43	S	1,2-Dichloroethane-d4	0.305	0.308	-1.0	130	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A01.D
Acq On : 9 Feb 2023 6:44 am
Operator : VOA101:PID
Sample : WG1742861-2
Misc : WG1742861,ICAL19605
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 09 07:14:10 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
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)
44	TP	1,2-Dichloroethane	0.304	0.315	-3.6	141	0.00
47	TP	Methyl cyclohexane	0.433	0.408	5.8	134	0.00
48	TP	Trichloroethene	0.278	0.272	2.2	134	0.00
50	TP	Dibromomethane	0.135	0.132	2.2	135	0.00
51	TC	1,2-Dichloropropane	0.246	0.264	-7.3	145	0.00
54	TP	Bromodichloromethane	0.305	0.337	-10.5	155	0.00
57	TP	1,4-Dioxane	0.00128	0.00104#	18.8	108	0.00
58	TP	cis-1,3-Dichloropropene	0.355	0.381	-7.3	151	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	133	0.00
60	S	Toluene-d8	1.219	1.237	-1.5	131	0.00
61	TC	Toluene	0.776	0.758	2.3	133	0.00
62	TP	4-Methyl-2-pentanone	0.064	0.064	0.0	151	0.00
63	TP	Tetrachloroethene	0.334	0.325	2.7	133	0.00
65	TP	trans-1,3-Dichloropropene	0.368	0.397	-7.9	158	0.00
67	TP	Ethyl methacrylate	0.250	0.256	-2.4	169	0.00
68	TP	1,1,2-Trichloroethane	0.185	0.187#	-1.1	139	0.00
69	TP	Chlorodibromomethane	0.251	0.281	-12.0	166	0.00
70	TP	1,3-Dichloropropane	0.377	0.391	-3.7	142	0.00
71	TP	1,2-Dibromoethane	0.215	0.213	0.9	140	0.00
72	TP	2-Hexanone	0.117	0.131	-12.0	167	0.00
73	TP	Chlorobenzene	0.904	0.882	2.4	138	0.00
74	TC	Ethylbenzene	1.544	1.510	2.2	136	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.291	0.318	-9.3	161	0.00
76	TP	p/m Xylene	0.603	0.590	2.2	137	0.00
77	TP	o Xylene	0.587	0.561	4.4	142	0.00
78	TP	Styrene	* 20.000	17.595	12.0	143	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	132	0.00
80	TP	Bromoform	* 10.000	11.499	-15.0	183	0.00
82	TP	Isopropylbenzene	2.789	2.821	-1.1	137	0.00
83	S	4-Bromofluorobenzene	0.815	0.896	-9.9	140	0.00
84	TP	Bromobenzene	0.649	0.643	0.9	136	0.00
85	TP	n-Propylbenzene	3.305	3.340	-1.1	137	0.00
86	TP	1,4-Dichlorobutane	0.645	0.699	-8.4	152	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.458	0.473	-3.3	145	0.00
88	TP	4-Ethyltoluene	2.650	2.719	-2.6	140	0.00
89	TP	2-Chlorotoluene	1.867	1.933	-3.5	140	0.00
90	TP	1,3,5-Trimethylbenzene	2.262	2.224	1.7	138	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A01.D
Acq On : 9 Feb 2023 6:44 am
Operator : VOA101:PID
Sample : WG1742861-2
Misc : WG1742861,ICAL19605
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 09 07:14:10 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
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)
91 TP	1,2,3-Trichloropropane	0.384	0.373	2.9	139	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.123	0.143	-16.3	172	0.00
93 TP	4-Chlorotoluene	1.880	1.911	-1.6	138	0.00
94 TP	tert-Butylbenzene	1.863	1.871	-0.4	136	0.00
97 TP	1,2,4-Trimethylbenzene	2.165	2.163	0.1	137	0.00
98 TP	sec-Butylbenzene	2.662	2.677	-0.6	136	0.00
99 TP	p-Isopropyltoluene	2.242	2.244	-0.1	136	0.00
100 TP	1,3-Dichlorobenzene	1.228	1.204	2.0	136	0.00
101 TP	1,4-Dichlorobenzene	1.264	1.204	4.7	135	0.00
102 TP	p-Diethylbenzene	1.251	1.263	-1.0	140	0.00
103 TP	n-Butylbenzene	1.803	1.884	-4.5	139	0.00
104 TP	1,2-Dichlorobenzene	1.100	1.067	3.0	136	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.684	1.681	0.2	140	0.00
106 TP	1,2-Dibromo-3-chloropropane *	10.000	9.511	4.9	160	0.00
107 TP	1,3,5-Trichlorobenzene	0.617	0.611	1.0	135	0.00
108 TP	Hexachlorobutadiene	0.201	0.222	-10.4	150	0.00
109 TP	1,2,4-Trichlorobenzene	0.516	0.509	1.4	137	0.00
110 TP	Naphthalene	1.147	1.108	3.4	136	0.00
111 TP	1,2,3-Trichlorobenzene	0.427	0.416	2.6	138	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 2 CCC's out = 2

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A01.D
Acq On : 9 Feb 2023 6:44 am
Operator : VOA101:PID
Sample : WG1742861-2
Misc : WG1742861,ICAL19605
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 09 07:14:10 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2023\230209A\V01230209A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.079	96	380643	10.000	ug/L	0.00
Standard Area 1 = 380643			Recovery = 100.00%			
59) Chlorobenzene-d5	9.612	117	309209	10.000	ug/L	0.00
Standard Area 1 = 309209			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.298	152	164050	10.000	ug/L	0.00
Standard Area 1 = 164050			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.273	113	105626	9.944	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.44%			
43) 1,2-Dichloroethane-d4	5.797	65	117083	10.079	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.79%			
60) Toluene-d8	7.766	98	382460	10.147	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.47%			
83) 4-Bromofluorobenzene	11.096	95	147063	10.996	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.96%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.698	85	74018	8.583	ug/L	99
3) Chloromethane	1.888	50	79083	7.877	ug/L	100
4) Vinyl chloride	1.963	62	103944	7.402	ug/L	99
5) Bromomethane	2.278	94	44714	4.669	ug/L	98
6) Chloroethane	2.395	64	84216	7.353	ug/L	100
7) Trichlorofluoromethane	2.538	101	192691	7.911	ug/L	98
8) Ethyl ether	2.839	74	45818	7.897	ug/L #	77
10) 1,1-Dichloroethene	3.026	96	101910	7.457	ug/L	85
11) Carbon disulfide	3.056	76	295319	11.767	ug/L	100
12) Freon-113	3.062	101	123381	8.051	ug/L	97
14) Acrolein	3.349	56	9696	11.144	ug/L	96
15) Methylene chloride	3.580	84	85611	9.634	ug/L	82
17) Acetone	3.625	43	21804	12.141	ug/L #	65
18) trans-1,2-Dichloroethene	3.737	96	90044	9.768	ug/L	99
19) Methyl acetate	3.748	43	45608	10.984	ug/L #	89
20) Methyl tert-butyl ether	3.831	73	169147	9.983	ug/L	91
21) tert-Butyl alcohol	3.929	59	20903	53.032	ug/L #	67
22) Diisopropyl ether	4.191	45	354043	11.227	ug/L	96
23) 1,1-Dichloroethane	4.314	63	175472	10.222	ug/L	99
24) Halothane	4.364	117	71977	10.194	ug/L	99
25) Acrylonitrile	4.361	53	18761	10.800	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A01.D
Acq On : 9 Feb 2023 6:44 am
Operator : VOA101:PID
Sample : WG1742861-2
Misc : WG1742861,ICAL19605
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 09 07:14:10 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2023\230209A\V01230209A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.537	59	257500	10.185	ug/L		91
27) Vinyl acetate	4.548	43	213000	12.217	ug/L	#	86
28) cis-1,2-Dichloroethene	4.830	96	100500	9.823	ug/L		96
29) 2,2-Dichloropropane	4.930	77	148659	11.159	ug/L		86
30) Bromochloromethane	5.025	128	46852	9.810	ug/L		90
31) Cyclohexane	5.028	56	176445	9.958	ug/L		96
32) Chloroform	5.095	83	169456	10.082	ug/L		95
33) Ethyl acetate	5.201	43	67724	11.447	ug/L	#	90
34) Carbon tetrachloride	5.231	117	138887	11.101	ug/L		98
35) Tetrahydrofuran	5.254	42	19219	11.490	ug/L	#	70
37) 1,1,1-Trichloroethane	5.296	97	149336	10.582	ug/L		97
39) 2-Butanone	5.390	43	27674	11.720	ug/L	#	40
40) 1,1-Dichloropropene	5.415	75	130215	10.430	ug/L		99
41) Benzene	5.661	78	357962	9.253	ug/L		96
42) tert-Amyl methyl ether	5.772	73	201783	9.814	ug/L		93
44) 1,2-Dichloroethane	5.867	62	120033	10.357	ug/L		100
47) Methyl cyclohexane	6.252	83	155487	9.428	ug/L		92
48) Trichloroethene	6.258	95	103495	9.767	ug/L		98
50) Dibromomethane	6.698	93	50391	9.804	ug/L		96
51) 1,2-Dichloropropane	6.799	63	100377	10.730	ug/L		99
54) Bromodichloromethane	6.874	83	128101	11.025	ug/L		100
57) 1,4-Dioxane	7.083	88	19821	407.017	ug/L		97
58) cis-1,3-Dichloropropene	7.560	75	145101	10.738	ug/L	#	84
61) Toluene	7.822	92	234461	9.765	ug/L		98
62) 4-Methyl-2-pentanone	8.251	58	19844	10.081	ug/L	#	68
63) Tetrachloroethene	8.277	166	100535	9.723	ug/L		95
65) trans-1,3-Dichloropropene	8.304	75	122905	10.806	ug/L		85
67) Ethyl methacrylate	8.491	69	79288	10.265	ug/L		100
68) 1,1,2-Trichloroethane	8.494	83	57901	10.101	ug/L		98
69) Chlorodibromomethane	8.706	129	86833	11.203	ug/L		98
70) 1,3-Dichloropropane	8.815	76	120950	10.365	ug/L		99
71) 1,2-Dibromoethane	8.985	107	65955	9.940	ug/L		99
72) 2-Hexanone	9.269	43	40436	11.141	ug/L	#	88
73) Chlorobenzene	9.629	112	272850	9.760	ug/L		98
74) Ethylbenzene	9.671	91	466757	9.776	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.718	131	98197	10.898	ug/L		98
76) p/m Xylene	9.855	106	365056	19.587	ug/L		97
77) o Xylene	10.393	106	347168	19.115	ug/L		98
78) Styrene	10.460	104	562124	17.595	ug/L		98
80) Bromoform	10.488	173	48348	11.499	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A01.D
Acq On : 9 Feb 2023 6:44 am
Operator : VOA101:PID
Sample : WG1742861-2
Misc : WG1742861,ICAL19605
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 09 07:14:10 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2023\230209A\V01230209A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
82) Isopropylbenzene	10.772	105	462828	10.114 ug/L	98
84) Bromobenzene	11.207	156	105410	9.893 ug/L	99
85) n-Propylbenzene	11.249	91	548002	10.108 ug/L	98
86) 1,4-Dichlorobutane	11.266	55	114596	10.836 ug/L	96
87) 1,1,2,2-Tetrachloroethane	11.333	83	77661	10.327 ug/L	99
88) 4-Ethyltoluene	11.372	105	446031	10.261 ug/L	97
89) 2-Chlorotoluene	11.417	91	317031M1	10.353 ug/L	
90) 1,3,5-Trimethylbenzene	11.472	105	364881	9.833 ug/L	98
91) 1,2,3-Trichloropropane	11.475	75	61272M1	9.720 ug/L	
92) trans-1,4-Dichloro-2-b...	11.525	53	23476M4	11.638 ug/L	
93) 4-Chlorotoluene	11.598	91	313454	10.161 ug/L	97
94) tert-Butylbenzene	11.810	119	306869	10.043 ug/L	99
97) 1,2,4-Trimethylbenzene	11.888	105	354765	9.987 ug/L	98
98) sec-Butylbenzene	11.999	105	439124	10.056 ug/L	98
99) p-Isopropyltoluene	12.153	119	368157	10.011 ug/L	100
100) 1,3-Dichlorobenzene	12.225	146	197451	9.802 ug/L	98
101) 1,4-Dichlorobenzene	12.312	146	197576	9.525 ug/L	99
102) p-Diethylbenzene	12.524	119	207123	10.095 ug/L	98
103) n-Butylbenzene	12.582	91	309091	10.453 ug/L	98
104) 1,2-Dichlorobenzene	12.733	146	175054	9.701 ug/L	99
105) 1,2,4,5-Tetramethylben...	13.316	119	275833	9.982 ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.516	155	9540	9.511 ug/L	99
107) 1,3,5-Trichlorobenzene	13.544	180	100207	9.896 ug/L	97
108) Hexachlorobutadiene	14.116	225	36444	11.035 ug/L	98
109) 1,2,4-Trichlorobenzene	14.141	180	83565	9.866 ug/L	98
110) Naphthalene	14.434	128	181731	9.662 ug/L	100
111) 1,2,3-Trichlorobenzene	14.601	180	68308	9.761 ug/L	98

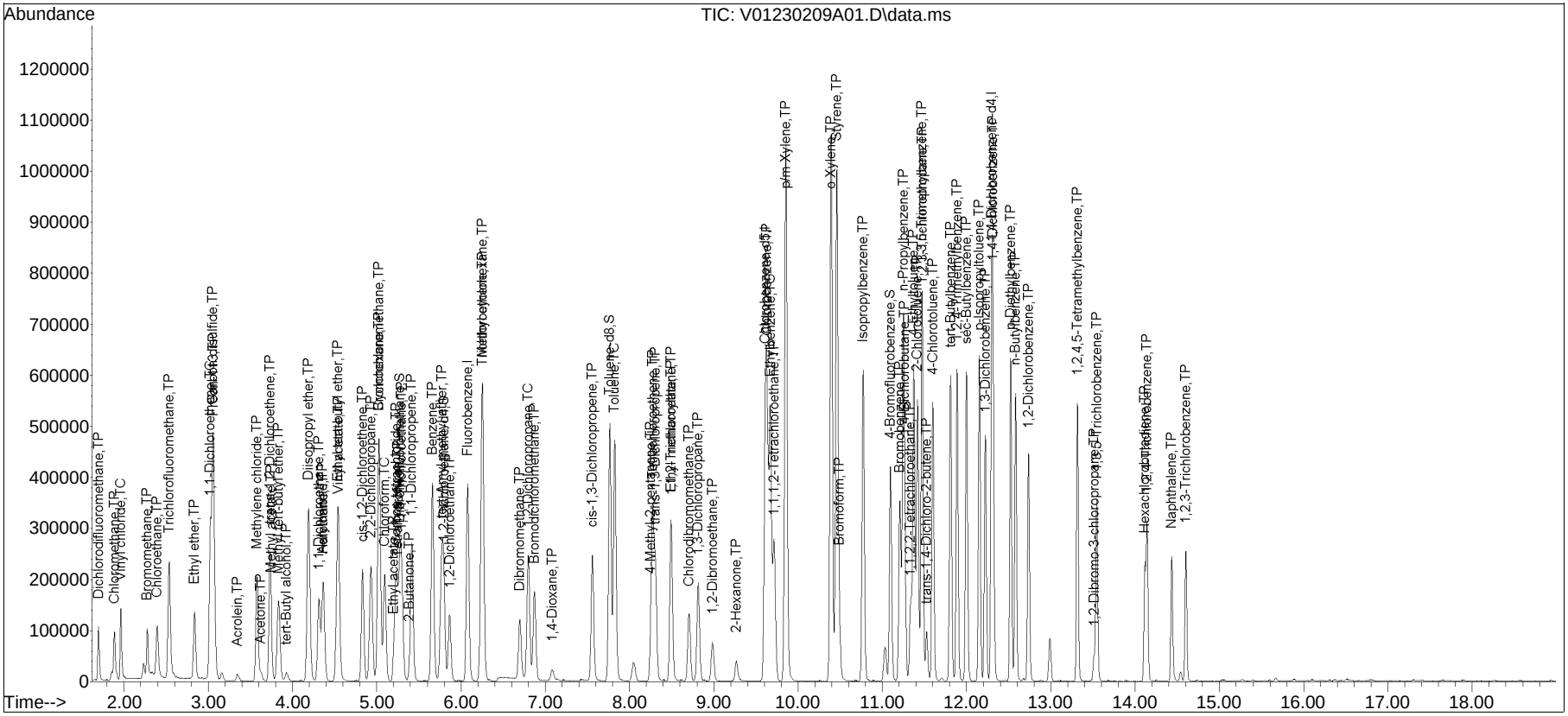
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A01.D
Acq On : 9 Feb 2023 6:44 am
Operator : VOA101:PID
Sample : WG1742861-2
Misc : WG1742861,ICAL19605
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 09 07:14:10 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

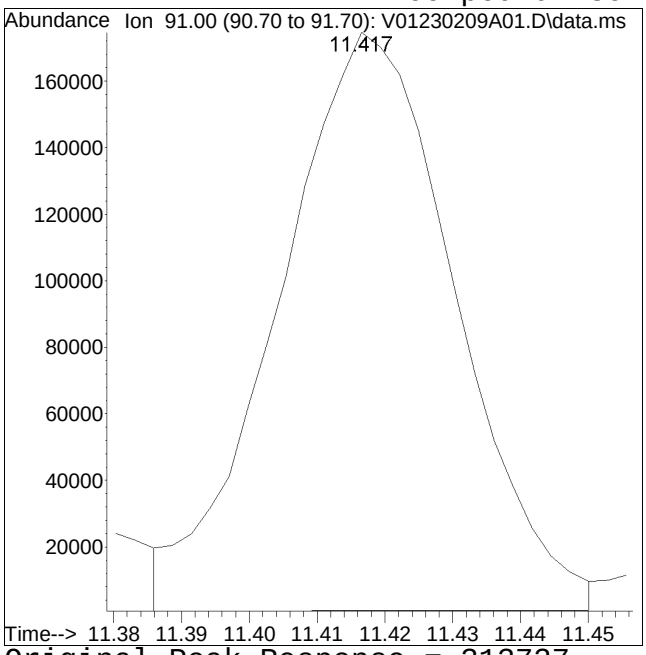
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

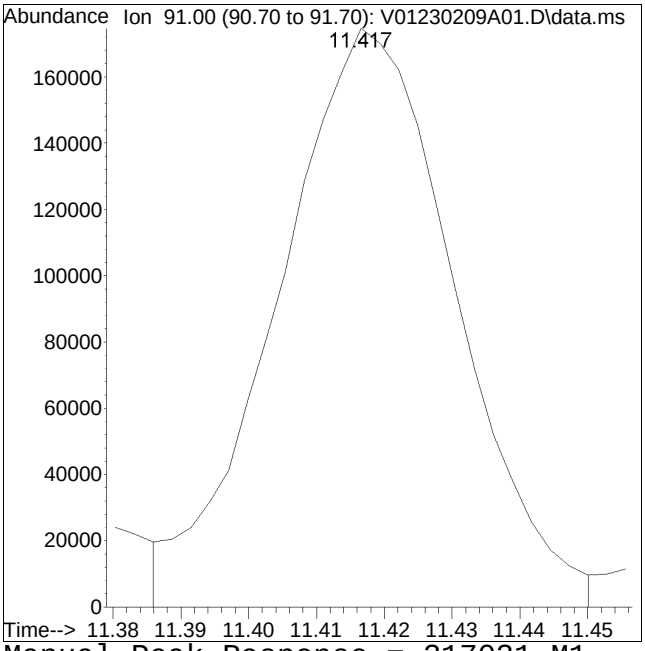


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2023\2QMethod : V101_221216A_8260.m
Data File : V01230209A01.D Operator : VOA101:PID
Date Inj'd : 2/9/2023 6:44 am Instrument : VOA 101
Sample : WG1742861-2 Quant Date : 2/9/2023 7:12 am

Compound #89: 2-Chlorotoluene





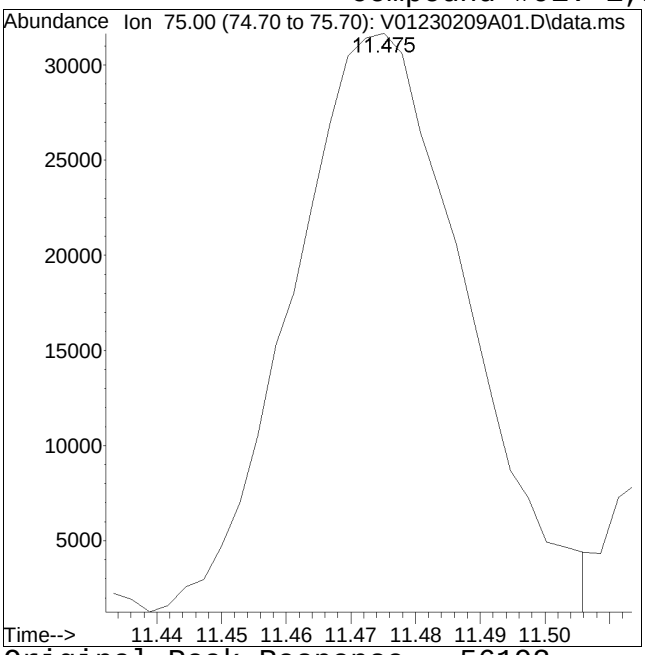
Original Peak Response = 313737 Manual Peak Response = 317031 M1

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

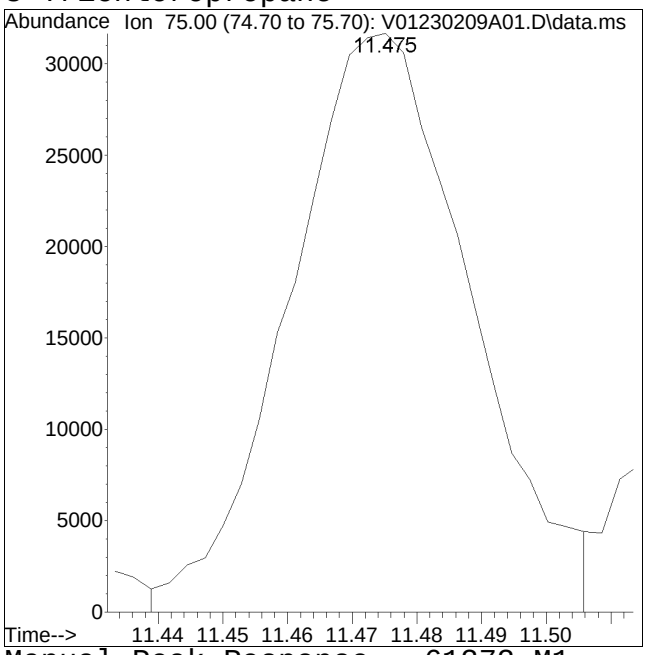
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2023\2QMethod : V101_221216A_8260.m
Data File : V01230209A01.D Operator : VOA101:PID
Date Inj'd : 2/9/2023 6:44 am Instrument : VOA 101
Sample : WG1742861-2 Quant Date : 2/9/2023 7:12 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 56192



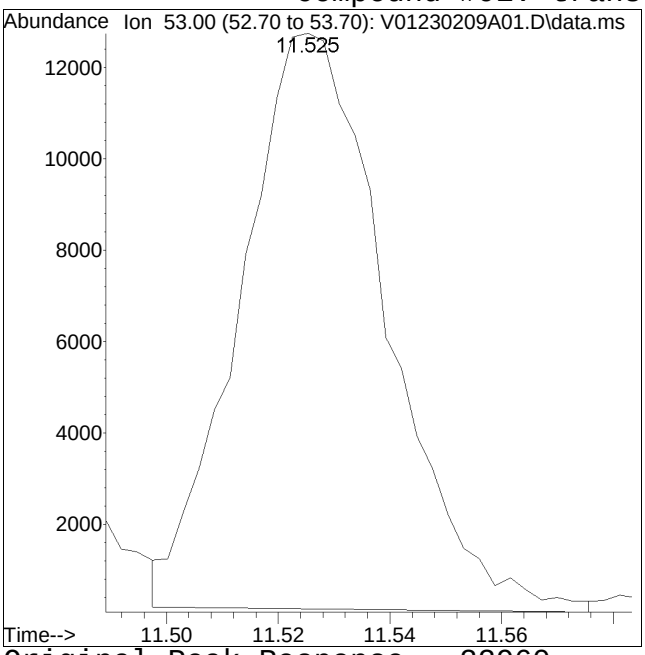
Manual Peak Response = 61272 M1

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

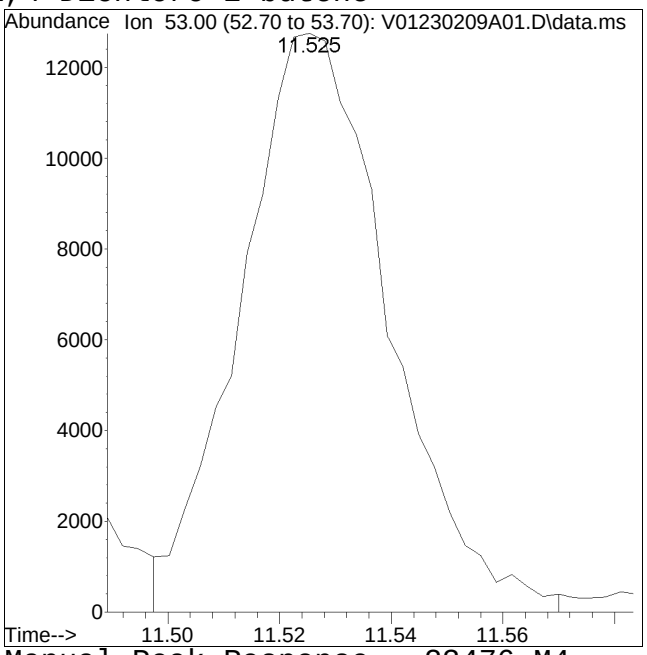
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2023\2QMethod : V101_221216A_8260.m
Data File : V01230209A01.D Operator : VOA101:PID
Date Inj'd : 2/9/2023 6:44 am Instrument : VOA 101
Sample : WG1742861-2 Quant Date : 2/9/2023 7:12 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 22960



Manual Peak Response = 23476 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A01.D
Acq On : 10 Feb 2023 07:29 am
Operator : VOA111:NLK
Sample : WG1743940-2
Misc : WG1743940,ICAL19665
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 10 08:02:31 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
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	75	0.00
2	TP	Dichlorodifluoromethane		0.234	0.210	10.3	84	0.00
3	TP	Chloromethane		0.273	0.258	5.5	78	0.00
4	TC	Vinyl chloride		0.337	0.375	-11.3	96	0.00
5	TP	Bromomethane		0.370	0.419	-13.2	100	0.00
6	TP	Chloroethane		0.150	0.187	-24.7#	96	0.00
7	TP	Trichlorofluoromethane	*	40.000	44.826	-12.1	98	0.00
8	TP	Ethyl ether		0.100	0.103	-3.0	78	0.00
10	TP	1,1-Dichloroethene		0.200	0.206	-3.0	91	0.00
11	TP	Carbon disulfide		0.446	0.742	-66.4#	153	0.00
12	TP	Freon-113	*	40.000	45.122	-12.8	104	0.00
14	TP	Acrolein		0.027	0.029	-7.4	94	0.00
15	TP	Methylene chloride		0.289	0.247	14.5	76	-0.01
17	TP	Acetone		0.068	0.062	8.8	76	0.00
18	TP	trans-1,2-Dichloroethene		0.238	0.239	-0.4	84	-0.01
19	TP	Methyl acetate		0.131	0.129	1.5	79	0.00
20	TP	Methyl tert-butyl ether		0.562	0.550	2.1	77	-0.01
21	TP	tert-Butyl alcohol		0.022	0.021	4.5	73	0.00
22	TP	Diisopropyl ether		0.743	0.706	5.0	74	-0.01
23	TC	1,1-Dichloroethane		0.431	0.423	1.9	80	0.00
24	TP	Halothane		0.180	0.178	1.1	90	0.00
25	TP	Acrylonitrile		0.057	0.059	-3.5	78	-0.01
26	TP	Ethyl tert-butyl ether		0.732	0.692	5.5	74	0.00
27	TP	Vinyl acetate		0.472	0.525	-11.2	87	0.00
28	TP	cis-1,2-Dichloroethene		0.270	0.258	4.4	76	-0.01
29	TP	2,2-Dichloropropane		0.353	0.361	-2.3	90	-0.01
30	TP	Bromochloromethane		0.125	0.124	0.8	77	0.00
31	TP	Cyclohexane	*	40.000	41.516	-3.8	97	0.00
32	TC	Chloroform		0.454	0.449	1.1	81	-0.01
33	TP	Ethyl acetate		0.198	0.189	4.5	75	0.00
34	TP	Carbon tetrachloride		0.310	0.314	-1.3	92	-0.01
35	TP	Tetrahydrofuran		0.053	0.052	1.9	76	-0.01
36	S	Dibromofluoromethane		0.257	0.255	0.8	75	-0.01
37	TP	1,1,1-Trichloroethane		0.338	0.346	-2.4	88	-0.01
39	TP	2-Butanone		0.088	0.087	1.1	77	-0.01
40	TP	1,1-Dichloropropene	*	40.000	41.254	-3.1	90	-0.01
41	TP	Benzene		0.945	0.928	1.8	80	0.00
42	TP	tert-Amyl methyl ether		0.670	0.636	5.1	73	-0.01
43	S	1,2-Dichloroethane-d4		0.254	0.252	0.8	75	-0.01

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A01.D
Acq On : 10 Feb 2023 07:29 am
Operator : VOA111:NLK
Sample : WG1743940-2
Misc : WG1743940,ICAL19665
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 10 08:02:31 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
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)
44	TP	1,2-Dichloroethane	0.320	0.293	8.4	72	-0.01
47	TP	Methyl cyclohexane	* 40.000	42.439	-6.1	100	0.00
48	TP	Trichloroethene	0.242	0.246	-1.7	84	-0.02
50	TP	Dibromomethane	0.151	0.143	5.3	73	-0.01
51	TC	1,2-Dichloropropane	0.248	0.240	3.2	75	-0.01
53	TP	2-Chloroethyl vinyl ether	0.097	0.093	4.1	76	-0.02
54	TP	Bromodichloromethane	0.347	0.330	4.9	74	-0.01
57	TP	1,4-Dioxane	*2000.000	2044.692	-2.2	72	-0.02
58	TP	cis-1,3-Dichloropropene	0.394	0.380	3.6	73	-0.01
59	I	Chlorobenzene-d5	1.000	1.000	0.0	74	-0.01
60	S	Toluene-d8	1.296	1.327	-2.4	75	-0.01
61	TC	Toluene	0.773	0.759	1.8	81	-0.01
62	TP	4-Methyl-2-pentanone	* 40.000	36.260	9.4	74	-0.01
63	TP	Tetrachloroethene	* 40.000	41.791	-4.5	90	-0.01
65	TP	trans-1,3-Dichloropropene	0.481	0.459	4.6	73	0.00
67	TP	Ethyl methacrylate	0.343	0.335	2.3	74	-0.01
68	TP	1,1,2-Trichloroethane	0.230	0.225	2.2	74	-0.01
69	TP	Chlorodibromomethane	0.324	0.312	3.7	73	-0.01
70	TP	1,3-Dichloropropane	0.464	0.446	3.9	73	-0.01
71	TP	1,2-Dibromoethane	0.258	0.260	-0.8	74	0.00
72	TP	2-Hexanone	0.167	0.162	3.0	71	-0.01
73	TP	Chlorobenzene	0.903	0.876	3.0	77	-0.01
74	TC	Ethylbenzene	1.456	1.462	-0.4	82	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.309	0.312	-1.0	75	0.00
76	TP	p/m Xylene	0.555	0.582	-4.9	84	-0.01
77	TP	o Xylene	0.536	0.559	-4.3	82	-0.01
78	TP	Styrene	0.905	0.966	-6.7	81	-0.01
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	72	0.00
80	TP	Bromoform	0.400	0.388	3.0	73	0.00
82	TP	Isopropylbenzene	2.709	2.768	-2.2	84	-0.01
83	S	4-Bromofluorobenzene	0.843	0.789	6.4	69	0.00
84	TP	Bromobenzene	0.721	0.680	5.7	73	0.00
85	TP	n-Propylbenzene	3.386	3.446	-1.8	84	0.00
86	TP	1,4-Dichlorobutane	0.823	0.781	5.1	73	-0.01
87	TP	1,1,2,2-Tetrachloroethane	0.679	0.684	-0.7	77	-0.01
88	TP	4-Ethyltoluene	2.714	2.832	-4.3	84	0.00
89	TP	2-Chlorotoluene	1.986	1.941	2.3	78	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A01.D
Acq On : 10 Feb 2023 07:29 am
Operator : VOA111:NLK
Sample : WG1743940-2
Misc : WG1743940,ICAL19665
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 10 08:02:31 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
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	2.310	2.344	-1.5	81	0.00
91 TP	1,2,3-Trichloropropane	0.532	0.519	2.4	74	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.177	0.187	-5.6	73	0.00
93 TP	4-Chlorotoluene	2.064	2.017	2.3	75	0.00
94 TP	tert-Butylbenzene	1.950	2.000	-2.6	84	0.00
97 TP	1,2,4-Trimethylbenzene	2.300	2.318	-0.8	77	0.00
98 TP	sec-Butylbenzene	2.953	3.114	-5.5	86	0.00
99 TP	p-Isopropyltoluene	2.520	2.570	-2.0	83	0.00
100 TP	1,3-Dichlorobenzene	1.397	1.384	0.9	76	0.00
101 TP	1,4-Dichlorobenzene	1.435	1.391	3.1	75	0.00
102 TP	p-Diethylbenzene	1.513	1.577	-4.2	83	0.00
103 TP	n-Butylbenzene	2.324	2.500	-7.6	86	0.00
104 TP	1,2-Dichlorobenzene	1.322	1.263	4.5	72	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.363	2.327	1.5	75	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.100	0.093	7.0	68	0.00
107 TP	1,3,5-Trichlorobenzene	0.965	0.985	-2.1	79	0.00
108 TP	Hexachlorobutadiene	0.410	0.414	-1.0	84	0.00
109 TP	1,2,4-Trichlorobenzene	0.834	0.834	0.0	76	0.00
110 TP	Naphthalene	1.792	1.767	1.4	74	0.00
111 TP	1,2,3-Trichlorobenzene	0.696	0.704	-1.1	74	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A01.D
Acq On : 10 Feb 2023 07:29 am
Operator : VOA111:NLK
Sample : WG1743940-2
Misc : WG1743940,ICAL19665
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 10 08:02:31 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230210A\V11230210A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	76148	20.000	ug/L	0.00
Standard Area 1 = 76148			Recovery = 100.00%			
59) Chlorobenzene-d5	9.841	117	56431	20.000	ug/L	-0.01
Standard Area 1 = 56431			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.488	152	29151	20.000	ug/L	0.00
Standard Area 1 = 29151			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.431	113	19425	19.890	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.45%			
43) 1,2-Dichloroethane-d4	5.971	65	19204	19.833	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.16%			
60) Toluene-d8	7.979	98	74899	20.476	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.38%			
83) 4-Bromofluorobenzene	11.298	95	22993	18.706	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 93.53%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	32045	35.994	ug/L	98
3) Chloromethane	1.897	50	39356	37.835	ug/L	97
4) Vinyl chloride	1.960	62	57093	44.546	ug/L	97
5) Bromomethane	2.301	94	63738	45.269	ug/L	98
6) Chloroethane	2.427	64	28452	49.886	ug/L	97
7) Trichlorofluoromethane	2.584	101	52920	44.826	ug/L	99
8) Ethyl ether	2.899	74	15633	41.262	ug/L #	68
10) 1,1-Dichloroethene	3.103	96	31352	41.200	ug/L	79
11) Carbon disulfide	3.140	76	113009	66.490	ug/L	100
12) Freon-113	3.150	101	35609	45.122	ug/L	93
14) Acrolein	3.434	56	4446	43.985	ug/L	99
15) Methylene chloride	3.680	84	37691	34.196	ug/L	66
17) Acetone	3.722	43	9494	36.756	ug/L	93
18) trans-1,2-Dichloroethene	3.848	96	36360	40.084	ug/L	80
19) Methyl acetate	3.848	43	19596	39.334	ug/L #	83
20) Methyl tert-butyl ether	3.947	73	83825	39.194	ug/L	85
21) tert-Butyl alcohol	4.026	59	16314	194.635	ug/L	94
22) Diisopropyl ether	4.320	45	107585	38.025	ug/L #	88
23) 1,1-Dichloroethane	4.451	63	64427	39.277	ug/L	96
24) Halothane	4.498	117	27165	39.747	ug/L	100
25) Acrylonitrile	4.487	53	9061	41.673	ug/L	97

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A01.D
Acq On : 10 Feb 2023 07:29 am
Operator : VOA111:NLK
Sample : WG1743940-2
Misc : WG1743940,ICAL19665
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 10 08:02:31 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230210A\V11230210A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.681	59	105328	37.771	ug/L		95
27) Vinyl acetate	4.687	43	79965	44.516	ug/L	#	91
28) cis-1,2-Dichloroethene	4.980	96	39252	38.196	ug/L	#	81
29) 2,2-Dichloropropane	5.090	77	55032	40.993	ug/L		89
30) Bromochloromethane	5.179	128	18911	39.612	ug/L	#	65
31) Cyclohexane	5.195	56	55281	41.516	ug/L	#	57
32) Chloroform	5.248	83	68412	39.571	ug/L		94
33) Ethyl acetate	5.358	43	28834	38.282	ug/L	#	94
34) Carbon tetrachloride	5.400	117	47866	40.491	ug/L		97
35) Tetrahydrofuran	5.410	42	7906	39.354	ug/L	#	62
37) 1,1,1-Trichloroethane	5.468	97	52670	40.916	ug/L		97
39) 2-Butanone	5.546	43	13277	39.575	ug/L		97
40) 1,1-Dichloropropene	5.588	75	46118	41.254	ug/L		99
41) Benzene	5.840	78	141288	39.266	ug/L	#	89
42) tert-Amyl methyl ether	5.950	73	96898	37.990	ug/L		87
44) 1,2-Dichloroethane	6.039	62	44655	36.620	ug/L		99
47) Methyl cyclohexane	6.443	83	61026	42.439	ug/L	#	64
48) Trichloroethene	6.443	95	37433	40.572	ug/L		98
50) Dibromomethane	6.889	93	21729	37.848	ug/L		96
51) 1,2-Dichloropropane	6.994	63	36602	38.806	ug/L		97
53) 2-Chloroethyl vinyl ether	7.686	63	14119	38.345	ug/L	#	76
54) Bromodichloromethane	7.062	83	50203	38.052	ug/L		99
57) 1,4-Dioxane	7.277	88	15389	2044.692	ug/L	#	71
58) cis-1,3-Dichloropropene	7.764	75	57939	38.608	ug/L	#	88
61) Toluene	8.037	92	85660	39.274	ug/L		94
62) 4-Methyl-2-pentanone	8.462	58	10188	36.260	ug/L	#	79
63) Tetrachloroethene	8.493	166	35047	41.791	ug/L		98
65) trans-1,3-Dichloropropene	8.514	75	51829	38.209	ug/L		83
67) Ethyl methacrylate	8.703	69	37847	39.067	ug/L		98
68) 1,1,2-Trichloroethane	8.703	83	25406	39.205	ug/L		99
69) Chlorodibromomethane	8.918	129	35160	38.471	ug/L		97
70) 1,3-Dichloropropane	9.033	76	50282	38.393	ug/L		100
71) 1,2-Dibromoethane	9.206	107	29378	40.289	ug/L		99
72) 2-Hexanone	9.479	43	18241	38.797	ug/L		91
73) Chlorobenzene	9.862	112	98851	38.797	ug/L		90
74) Ethylbenzene	9.903	91	164963	40.145	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.945	131	35261	40.379	ug/L		98
76) p/m Xylene	10.087	106	131456	83.980	ug/L		97
77) o Xylene	10.611	106	126115	83.361	ug/L		98
78) Styrene	10.674	104	218120	85.384	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A01.D
Acq On : 10 Feb 2023 07:29 am
Operator : VOA111:NLK
Sample : WG1743940-2
Misc : WG1743940,ICAL19665
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 10 08:02:31 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230210A\V11230210A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	10.700	173	22626	38.824	ug/L		99
82) Isopropylbenzene	10.984	105	161380	40.865	ug/L		100
84) Bromobenzene	11.414	156	39629	37.687	ug/L		98
85) n-Propylbenzene	11.455	91	200890	40.701	ug/L		99
86) 1,4-Dichlorobutane	11.461	55	45540	37.974	ug/L		96
87) 1,1,2,2-Tetrachloroethane	11.524	83	39901	40.334	ug/L		98
88) 4-Ethyltoluene	11.576	105	165107	41.737	ug/L		99
89) 2-Chlorotoluene	11.618	91	113151	39.082	ug/L		89
90) 1,3,5-Trimethylbenzene	11.670	105	136689	40.596	ug/L		100
91) 1,2,3-Trichloropropane	11.670	75	30281	39.021	ug/L		99
92) trans-1,4-Dichloro-2-b...	11.718	53	10877	42.083	ug/L	#	76
93) 4-Chlorotoluene	11.796	91	117617	39.087	ug/L		98
94) tert-Butylbenzene	12.006	119	116599	41.017	ug/L		96
97) 1,2,4-Trimethylbenzene	12.079	105	135136	40.310	ug/L		100
98) sec-Butylbenzene	12.195	105	181579	42.190	ug/L		99
99) p-Isopropyltoluene	12.342	119	149864	40.806	ug/L		98
100) 1,3-Dichlorobenzene	12.410	146	80682	39.622	ug/L		99
101) 1,4-Dichlorobenzene	12.504	146	81073	38.763	ug/L		98
102) p-Diethylbenzene	12.714	119	91940	41.690	ug/L		99
103) n-Butylbenzene	12.766	91	145751	43.030	ug/L		96
104) 1,2-Dichlorobenzene	12.924	146	73648	38.214	ug/L		98
105) 1,2,4,5-Tetramethylben...	13.495	119	135663	39.386	ug/L		100
106) 1,2-Dibromo-3-chloropr...	13.689	155	5437	37.210	ug/L		94
107) 1,3,5-Trichlorobenzene	13.726	180	57405	40.806	ug/L		98
108) Hexachlorobutadiene	14.297	225	24117	40.331	ug/L		98
109) 1,2,4-Trichlorobenzene	14.318	180	48598	39.995	ug/L		99
110) Naphthalene	14.612	128	103040	39.444	ug/L		100
111) 1,2,3-Trichlorobenzene	14.780	180	41030	40.445	ug/L		97

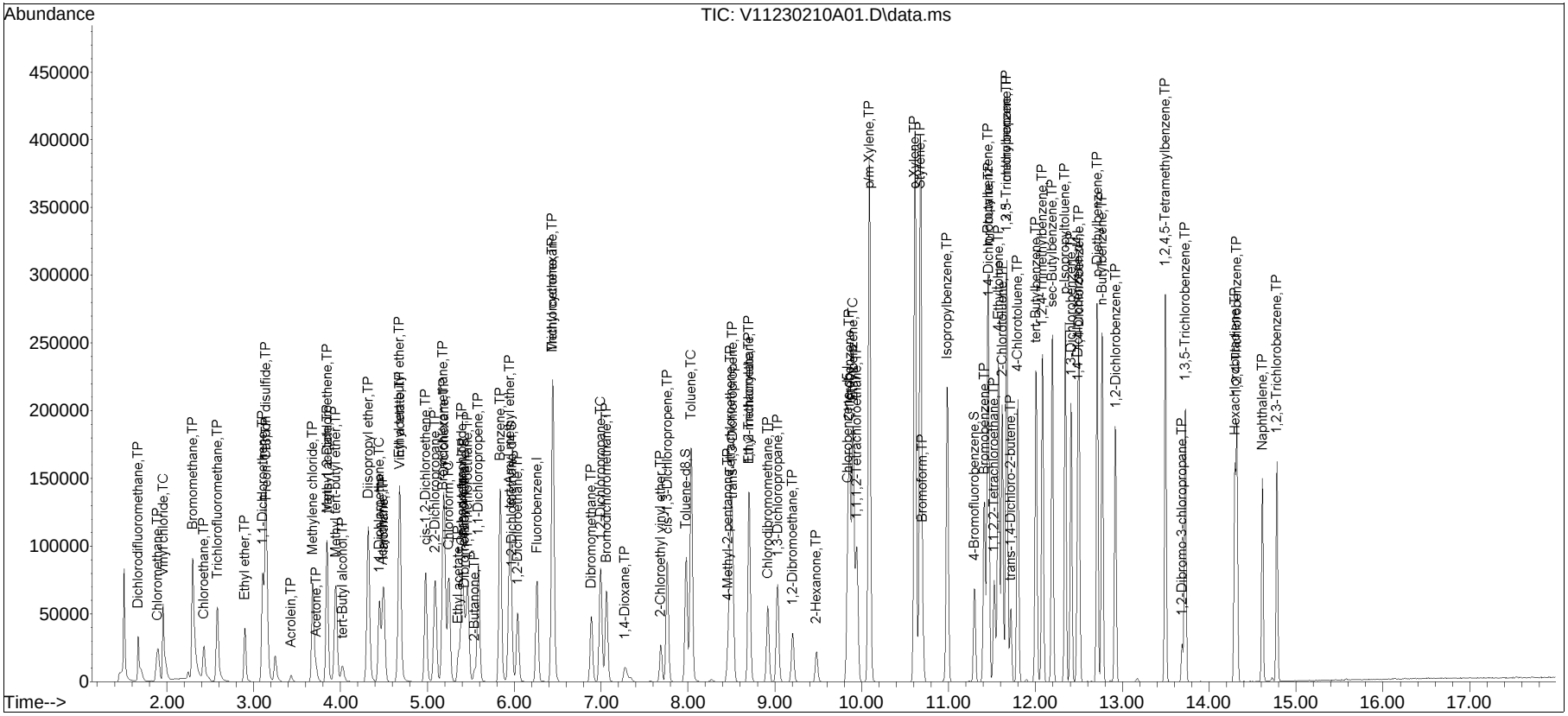
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A01.D
Acq On : 10 Feb 2023 07:29 am
Operator : VOA111:NLK
Sample : WG1743940-2
Misc : WG1743940,ICAL19665
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 10 08:02:31 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox0A\V11230210A01.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2Q	Method	: V111_230118_8260.m
Data File	: V11230210A01.D	Operator	: VOA111:NLK
Date Inj'd	: 2/10/2023 7:29 am	Instrument	: VOA111
Sample	: WG1743940-2	Quant Date	: 2/10/2023 8:02 am

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213A02.D
Acq On : 13 Feb 2023 07:55 am
Operator : VOA111:AJK
Sample : WG1744281-2
Misc : WG1744281,ICAL19665
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 13 08:14:13 2023
Quant Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
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	83	0.00
2	TP	Dichlorodifluoromethane		0.234	0.196	16.2	87	0.00
3	TP	Chloromethane		0.273	0.231	15.4	78	0.00
4	TC	Vinyl chloride		0.337	0.321	4.7	91	0.00
5	TP	Bromomethane		0.370	0.337	8.9	89	0.00
6	TP	Chloroethane		0.150	0.160	-6.7	91	0.00
7	TP	Trichlorofluoromethane	*	40.000	43.088	-7.7	104	0.00
8	TP	Ethyl ether		0.100	0.101	-1.0	85	0.00
10	TP	1,1-Dichloroethene		0.200	0.202	-1.0	99	0.00
11	TP	Carbon disulfide		0.446	0.700	-57.0#	161	0.00
12	TP	Freon-113	*	40.000	44.561	-11.4	114	0.00
14	TP	Acrolein		0.027	0.028	-3.7	102	0.00
15	TP	Methylene chloride		0.289	0.233	19.4	79	0.00
17	TP	Acetone		0.068	0.066	2.9	89	0.00
18	TP	trans-1,2-Dichloroethene		0.238	0.229	3.8	90	-0.01
19	TP	Methyl acetate		0.131	0.122	6.9	84	0.00
20	TP	Methyl tert-butyl ether		0.562	0.534	5.0	83	-0.01
21	TP	tert-Butyl alcohol		0.022	0.020	9.1	77	0.00
22	TP	Diisopropyl ether		0.743	0.675	9.2	79	-0.01
23	TC	1,1-Dichloroethane		0.431	0.401	7.0	84	0.00
24	TP	Halothane		0.180	0.180	0.0	101	0.00
25	TP	Acrylonitrile		0.057	0.057	0.0	83	-0.01
26	TP	Ethyl tert-butyl ether		0.732	0.667	8.9	79	0.00
27	TP	Vinyl acetate		0.472	0.468	0.8	86	0.00
28	TP	cis-1,2-Dichloroethene		0.270	0.251	7.0	83	-0.01
29	TP	2,2-Dichloropropane		0.353	0.351	0.6	97	-0.01
30	TP	Bromochloromethane		0.125	0.120	4.0	83	0.00
31	TP	Cyclohexane	*	40.000	41.735	-4.3	109	0.00
32	TC	Chloroform		0.454	0.424	6.6	85	0.00
33	TP	Ethyl acetate		0.198	0.180	9.1	79	0.00
34	TP	Carbon tetrachloride		0.310	0.312	-0.6	101	0.00
35	TP	Tetrahydrofuran		0.053	0.050	5.7	81	-0.01
36	S	Dibromofluoromethane		0.257	0.252	1.9	82	-0.01
37	TP	1,1,1-Trichloroethane		0.338	0.339	-0.3	96	0.00
39	TP	2-Butanone		0.088	0.087	1.1	85	-0.01
40	TP	1,1-Dichloropropene	*	40.000	40.552	-1.4	98	-0.01
41	TP	Benzene		0.945	0.885	6.3	85	0.00
42	TP	tert-Amyl methyl ether		0.670	0.619	7.6	79	-0.01
43	S	1,2-Dichloroethane-d4		0.254	0.247	2.8	82	-0.01

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213A02.D
Acq On : 13 Feb 2023 07:55 am
Operator : VOA111:AJK
Sample : WG1744281-2
Misc : WG1744281,ICAL19665
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 13 08:14:13 2023
Quant Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
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)
44	TP	1,2-Dichloroethane	0.320	0.281	12.2	77	0.00
47	TP	Methyl cyclohexane	* 40.000	42.401	-6.0	111	0.00
48	TP	Trichloroethene	0.242	0.243	-0.4	92	-0.02
50	TP	Dibromomethane	0.151	0.139	7.9	79	-0.01
51	TC	1,2-Dichloropropane	0.248	0.229	7.7	79	-0.01
53	TP	2-Chloroethyl vinyl ether	0.097	0.094	3.1	86	-0.02
54	TP	Bromodichloromethane	0.347	0.317	8.6	79	-0.01
57	TP	1,4-Dioxane	*2000.000	2162.165	-8.1	84	0.00
58	TP	cis-1,3-Dichloropropene	0.394	0.374	5.1	80	-0.01
59	I	Chlorobenzene-d5	1.000	1.000	0.0	83	-0.01
60	S	Toluene-d8	1.296	1.300	-0.3	83	-0.01
61	TC	Toluene	0.773	0.721	6.7	86	0.00
62	TP	4-Methyl-2-pentanone	* 40.000	34.535	13.7	79	0.00
63	TP	Tetrachloroethene	* 40.000	41.404	-3.5	101	-0.01
65	TP	trans-1,3-Dichloropropene	0.481	0.441	8.3	79	0.00
67	TP	Ethyl methacrylate	0.343	0.324	5.5	81	0.00
68	TP	1,1,2-Trichloroethane	0.230	0.213	7.4	80	0.00
69	TP	Chlorodibromomethane	0.324	0.302	6.8	80	0.00
70	TP	1,3-Dichloropropane	0.464	0.428	7.8	80	-0.01
71	TP	1,2-Dibromoethane	0.258	0.251	2.7	81	0.00
72	TP	2-Hexanone	0.167	0.163	2.4	81	0.00
73	TP	Chlorobenzene	0.903	0.843	6.6	83	-0.01
74	TC	Ethylbenzene	1.456	1.401	3.8	89	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.309	0.297	3.9	81	0.00
76	TP	p/m Xylene	0.555	0.549	1.1	89	0.00
77	TP	o Xylene	0.536	0.529	1.3	88	0.00
78	TP	Styrene	0.905	0.906	-0.1	86	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	81	0.00
80	TP	Bromoform	0.400	0.373	6.8	79	0.00
82	TP	Isopropylbenzene	2.709	2.669	1.5	91	-0.01
83	S	4-Bromofluorobenzene	0.843	0.804	4.6	79	0.00
84	TP	Bromobenzene	0.721	0.661	8.3	80	0.00
85	TP	n-Propylbenzene	3.386	3.319	2.0	91	-0.01
86	TP	1,4-Dichlorobutane	0.823	0.745	9.5	78	-0.01
87	TP	1,1,2,2-Tetrachloroethane	0.679	0.622	8.4	78	0.00
88	TP	4-Ethyltoluene	2.714	2.706	0.3	90	0.00
89	TP	2-Chlorotoluene	1.986	1.853	6.7	84	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213A02.D
Acq On : 13 Feb 2023 07:55 am
Operator : VOA111:AJK
Sample : WG1744281-2
Misc : WG1744281,ICAL19665
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 13 08:14:13 2023
Quant Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
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	2.310	2.233	3.3	86	0.00
91 TP	1,2,3-Trichloropropane	0.532	0.486	8.6	78	-0.01
92 TP	trans-1,4-Dichloro-2-butene	0.177	0.185	-4.5	81	-0.01
93 TP	4-Chlorotoluene	2.064	1.930	6.5	80	0.00
94 TP	tert-Butylbenzene	1.950	1.922	1.4	91	0.00
97 TP	1,2,4-Trimethylbenzene	2.300	2.195	4.6	82	0.00
98 TP	sec-Butylbenzene	2.953	2.981	-0.9	93	0.00
99 TP	p-Isopropyltoluene	2.520	2.489	1.2	90	0.00
100 TP	1,3-Dichlorobenzene	1.397	1.325	5.2	81	0.00
101 TP	1,4-Dichlorobenzene	1.435	1.327	7.5	81	0.00
102 TP	p-Diethylbenzene	1.513	1.526	-0.9	90	0.00
103 TP	n-Butylbenzene	2.324	2.366	-1.8	92	0.00
104 TP	1,2-Dichlorobenzene	1.322	1.212	8.3	77	-0.01
105 TP	1,2,4,5-Tetramethylbenzene	2.363	2.212	6.4	80	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.100	0.089	11.0	73	0.00
107 TP	1,3,5-Trichlorobenzene	0.965	0.919	4.8	83	0.00
108 TP	Hexachlorobutadiene	0.410	0.394	3.9	90	0.00
109 TP	1,2,4-Trichlorobenzene	0.834	0.785	5.9	80	0.00
110 TP	Naphthalene	1.792	1.664	7.1	78	0.00
111 TP	1,2,3-Trichlorobenzene	0.696	0.655	5.9	78	0.00

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213A02.D
Acq On : 13 Feb 2023 07:55 am
Operator : VOA111:AJK
Sample : WG1744281-2
Misc : WG1744281,ICAL19665
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 13 08:14:13 2023
Quant Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230213A\V11230213A02.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	84561	20.000	ug/L	0.00
Standard Area 1 = 84561			Recovery = 100.00%			
59) Chlorobenzene-d5	9.841	117	63730	20.000	ug/L	-0.01
Standard Area 1 = 63730			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.489	152	32706	20.000	ug/L	0.00
Standard Area 1 = 32706			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.431	113	21334	19.672	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.36%			
43) 1,2-Dichloroethane-d4	5.971	65	20916	19.452	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.26%			
60) Toluene-d8	7.979	98	82846	20.055	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.28%			
83) 4-Bromofluorobenzene	11.298	95	26291	19.064	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.32%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	33205	33.586	ug/L	98
3) Chloromethane	1.898	50	38991	33.755	ug/L	97
4) Vinyl chloride	1.955	62	54215	38.092	ug/L	96
5) Bromomethane	2.301	94	56952	36.425	ug/L	97
6) Chloroethane	2.427	64	27087	42.767	ug/L	95
7) Trichlorofluoromethane	2.584	101	56349	43.088	ug/L	100
8) Ethyl ether	2.899	74	17082	40.601	ug/L #	64
10) 1,1-Dichloroethene	3.103	96	34087	40.337	ug/L	77
11) Carbon disulfide	3.140	76	118401	62.732	ug/L	99
12) Freon-113	3.151	101	39025	44.561	ug/L	95
14) Acrolein	3.434	56	4818	42.923	ug/L	96
15) Methylene chloride	3.685	84	39441	32.224	ug/L	66
17) Acetone	3.722	43	11092	38.670	ug/L	94
18) trans-1,2-Dichloroethene	3.848	96	38743	38.462	ug/L	80
19) Methyl acetate	3.848	43	20715	37.443	ug/L #	83
20) Methyl tert-butyl ether	3.948	73	90238	37.995	ug/L #	84
21) tert-Butyl alcohol	4.021	59	17328	186.164	ug/L	95
22) Diisopropyl ether	4.320	45	114204	36.348	ug/L #	88
23) 1,1-Dichloroethane	4.451	63	67768	37.203	ug/L	96
24) Halothane	4.498	117	30397	40.051	ug/L	100
25) Acrylonitrile	4.488	53	9719	40.252	ug/L	94

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213A02.D
Acq On : 13 Feb 2023 07:55 am
Operator : VOA111:AJK
Sample : WG1744281-2
Misc : WG1744281,ICAL19665
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 13 08:14:13 2023
Quant Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230213A\V11230213A02.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.682	59	112873	36.450	ug/L		92
27) Vinyl acetate	4.687	43	79092	39.649	ug/L	#	90
28) cis-1,2-Dichloroethene	4.980	96	42455	37.203	ug/L	#	80
29) 2,2-Dichloropropane	5.091	77	59366	39.822	ug/L		88
30) Bromochloromethane	5.180	128	20227	38.153	ug/L	#	63
31) Cyclohexane	5.195	56	61731	41.735	ug/L	#	58
32) Chloroform	5.253	83	71715	37.354	ug/L		94
33) Ethyl acetate	5.358	43	30512	36.480	ug/L	#	94
34) Carbon tetrachloride	5.405	117	52682	40.131	ug/L		98
35) Tetrahydrofuran	5.410	42	8387	37.595	ug/L	#	60
37) 1,1,1-Trichloroethane	5.468	97	57259	40.056	ug/L		97
39) 2-Butanone	5.547	43	14735	39.551	ug/L		98
40) 1,1-Dichloropropene	5.589	75	50309	40.552	ug/L		99
41) Benzene	5.840	78	149653	37.453	ug/L	#	89
42) tert-Amyl methyl ether	5.950	73	104743	36.980	ug/L	#	87
44) 1,2-Dichloroethane	6.045	62	47572	35.131	ug/L		98
47) Methyl cyclohexane	6.443	83	67705	42.401	ug/L	#	65
48) Trichloroethene	6.443	95	41049	40.065	ug/L		99
50) Dibromomethane	6.889	93	23442	36.769	ug/L		97
51) 1,2-Dichloropropane	6.994	63	38668	36.918	ug/L		96
53) 2-Chloroethyl vinyl ether	7.686	63	15982	39.087	ug/L	#	76
54) Bromodichloromethane	7.062	83	53562	36.559	ug/L		99
57) 1,4-Dioxane	7.282	88	18088	2162.165	ug/L	#	71
58) cis-1,3-Dichloropropene	7.765	75	63231	37.943	ug/L	#	88
61) Toluene	8.037	92	91940	37.326	ug/L		93
62) 4-Methyl-2-pentanone	8.467	58	10938	34.535	ug/L	#	79
63) Tetrachloroethene	8.493	166	39197	41.404	ug/L		98
65) trans-1,3-Dichloropropene	8.514	75	56198	36.685	ug/L	#	82
67) Ethyl methacrylate	8.703	69	41247	37.700	ug/L		97
68) 1,1,2-Trichloroethane	8.708	83	27194	37.158	ug/L		99
69) Chlorodibromomethane	8.923	129	38524	37.324	ug/L		97
70) 1,3-Dichloropropane	9.033	76	54551	36.882	ug/L		99
71) 1,2-Dibromoethane	9.206	107	31979	38.833	ug/L		98
72) 2-Hexanone	9.479	43	20768	39.113	ug/L		93
73) Chlorobenzene	9.862	112	107459	37.345	ug/L		91
74) Ethylbenzene	9.904	91	178567	38.478	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.946	131	37906	38.437	ug/L		98
76) p/m Xylene	10.087	106	139885	79.130	ug/L		98
77) o Xylene	10.617	106	134901	78.956	ug/L		98
78) Styrene	10.680	104	230965	80.058	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213A02.D
Acq On : 13 Feb 2023 07:55 am
Operator : VOA111:AJK
Sample : WG1744281-2
Misc : WG1744281,ICAL19665
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 13 08:14:13 2023
Quant Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230213A\V11230213A02.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	10.701	173	24367	37.267	ug/L		99
82) Isopropylbenzene	10.984	105	174610	39.409	ug/L		100
84) Bromobenzene	11.414	156	43266	36.673	ug/L		100
85) n-Propylbenzene	11.450	91	217115	39.206	ug/L		99
86) 1,4-Dichlorobutane	11.461	55	48714	36.206	ug/L		95
87) 1,1,2,2-Tetrachloroethane	11.529	83	40673	36.645	ug/L		100
88) 4-Ethyltoluene	11.576	105	177028	39.886	ug/L		100
89) 2-Chlorotoluene	11.618	91	121228	37.321	ug/L		90
90) 1,3,5-Trimethylbenzene	11.671	105	146091	38.672	ug/L		99
91) 1,2,3-Trichloropropane	11.665	75	31772	36.492	ug/L		99
92) trans-1,4-Dichloro-2-b...	11.713	53	12085	41.674	ug/L	#	79
93) 4-Chlorotoluene	11.796	91	126255	37.397	ug/L		99
94) tert-Butylbenzene	12.006	119	125737	39.423	ug/L		97
97) 1,2,4-Trimethylbenzene	12.085	105	143594	38.177	ug/L		100
98) sec-Butylbenzene	12.195	105	194968	40.377	ug/L		99
99) p-Isopropyltoluene	12.347	119	162843	39.520	ug/L		99
100) 1,3-Dichlorobenzene	12.410	146	86642	37.924	ug/L		98
101) 1,4-Dichlorobenzene	12.504	146	86800	36.990	ug/L		98
102) p-Diethylbenzene	12.714	119	99848	40.354	ug/L		100
103) n-Butylbenzene	12.766	91	154790	40.731	ug/L		98
104) 1,2-Dichlorobenzene	12.919	146	79294	36.672	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.495	119	144670	37.436	ug/L		100
106) 1,2-Dibromo-3-chloropr...	13.689	155	5810	35.441	ug/L		93
107) 1,3,5-Trichlorobenzene	13.726	180	60102	38.079	ug/L		99
108) Hexachlorobutadiene	14.297	225	25755	38.388	ug/L		99
109) 1,2,4-Trichlorobenzene	14.318	180	51355	37.670	ug/L		98
110) Naphthalene	14.612	128	108813	37.127	ug/L		100
111) 1,2,3-Trichlorobenzene	14.780	180	42815	37.617	ug/L		98

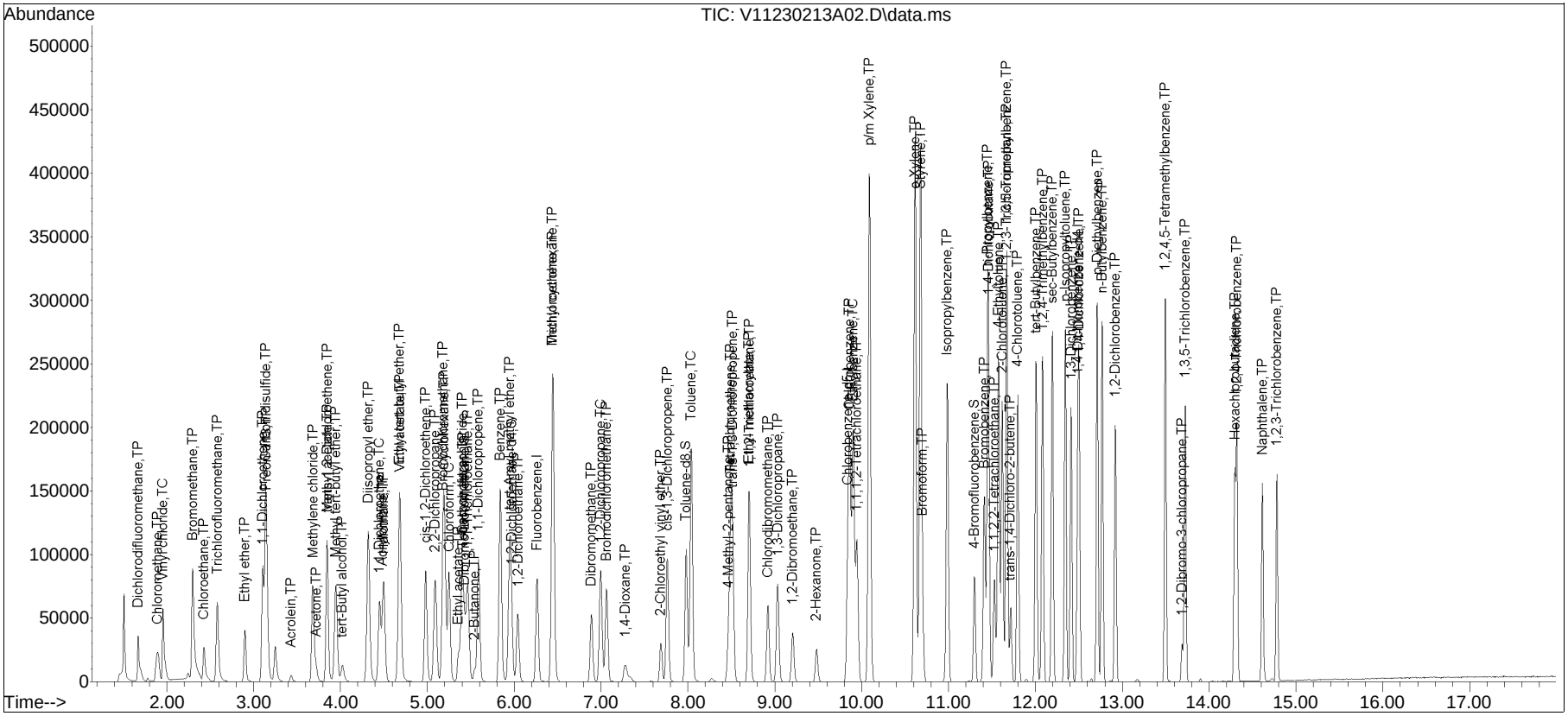
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213A02.D
Acq On : 13 Feb 2023 07:55 am
Operator : VOA111:AJK
Sample : WG1744281-2
Misc : WG1744281,ICAL19665
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 13 08:14:13 2023
Quant Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox3A\V11230213A02.D•



Manual Integration Report

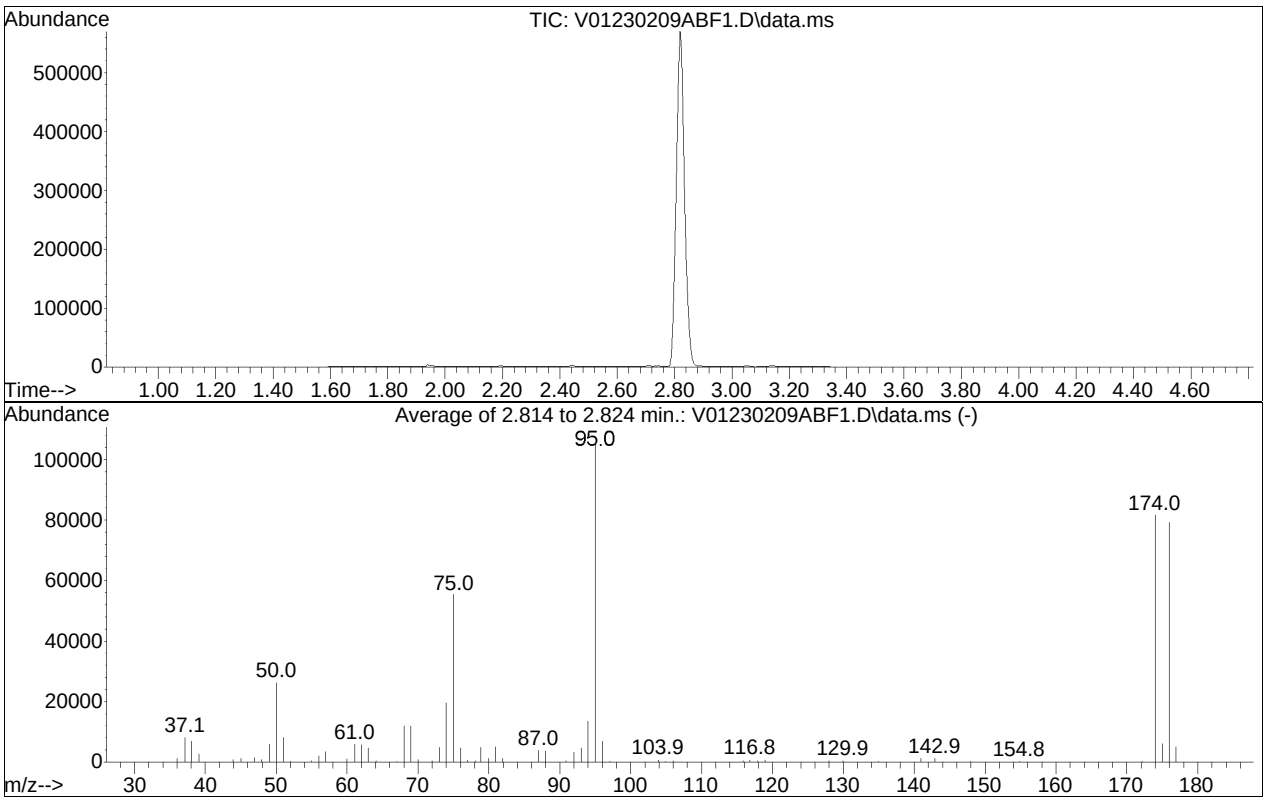
Data Path	: I:\VOLATILES\VOA111\2023\2Q	Method	: V111_230118_8260.m
Data File	: V11230213A02.D	Operator	: VOA111:AJK
Date Inj'd	: 2/13/2023 7:55 am	Instrument	: VOA111
Sample	: WG1744281-2	Quant Date	: 2/13/2023 8:14 am

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

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209ABF1.D
Acq On : 9 Feb 2023 6:31 am
Operator : VOA101:PID
Sample : WG1742861-1
Misc : WG1742861
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Sat Dec 17 10:24:18 2022



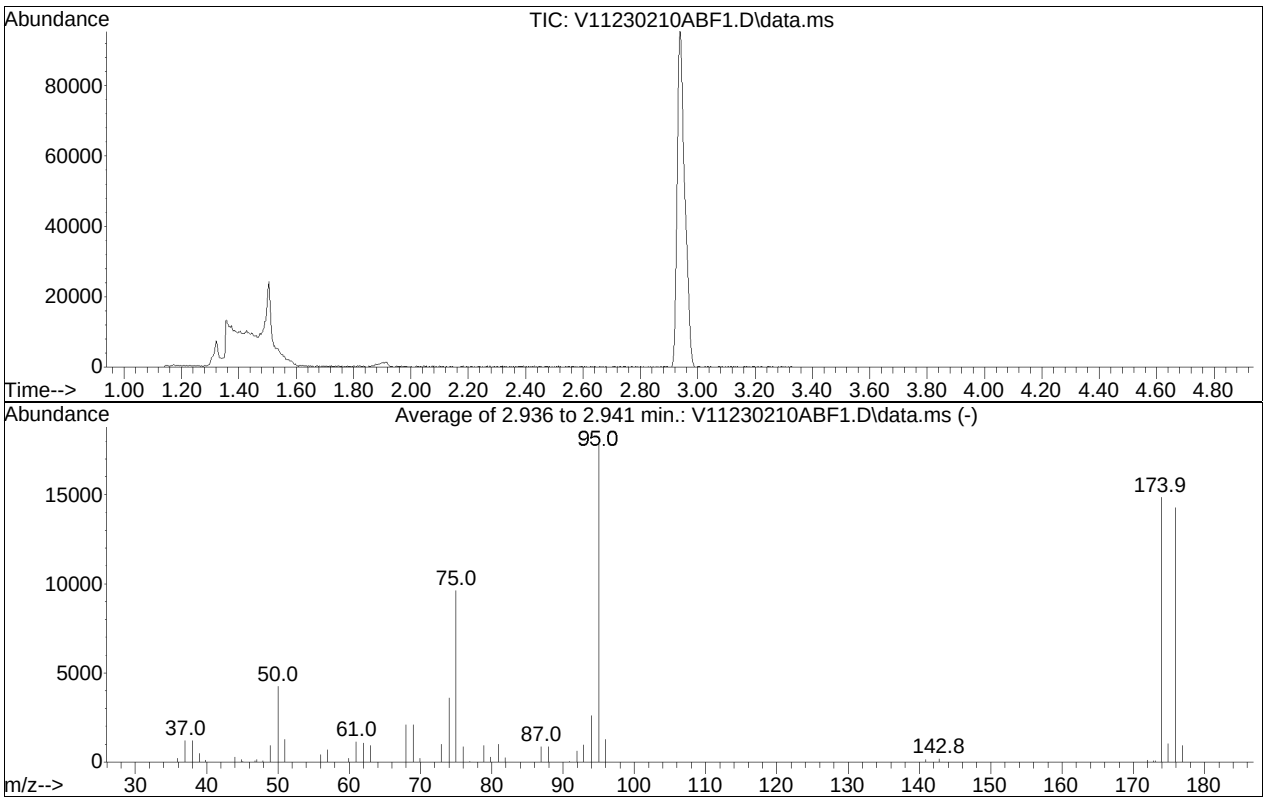
AutoFind: Scans 234, 235, 236; Background Corrected with Scan 225

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.9	26325	PASS
75	95	30	60	52.5	55427	PASS
95	95	100	100	100.0	105613	PASS
96	95	5	9	6.6	6967	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	77.3	81677	PASS
175	174	5	9	7.5	6134	PASS
176	174	95	101	97.0	79248	PASS
177	176	5	9	6.4	5084	PASS

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210ABF1.D
Acq On : 10 Feb 2023 07:02 am
Operator : VOA111:NLK
Sample : WG1743940-1
Misc : WG1743940,ICAL19665
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jan 19 11:49:17 2023



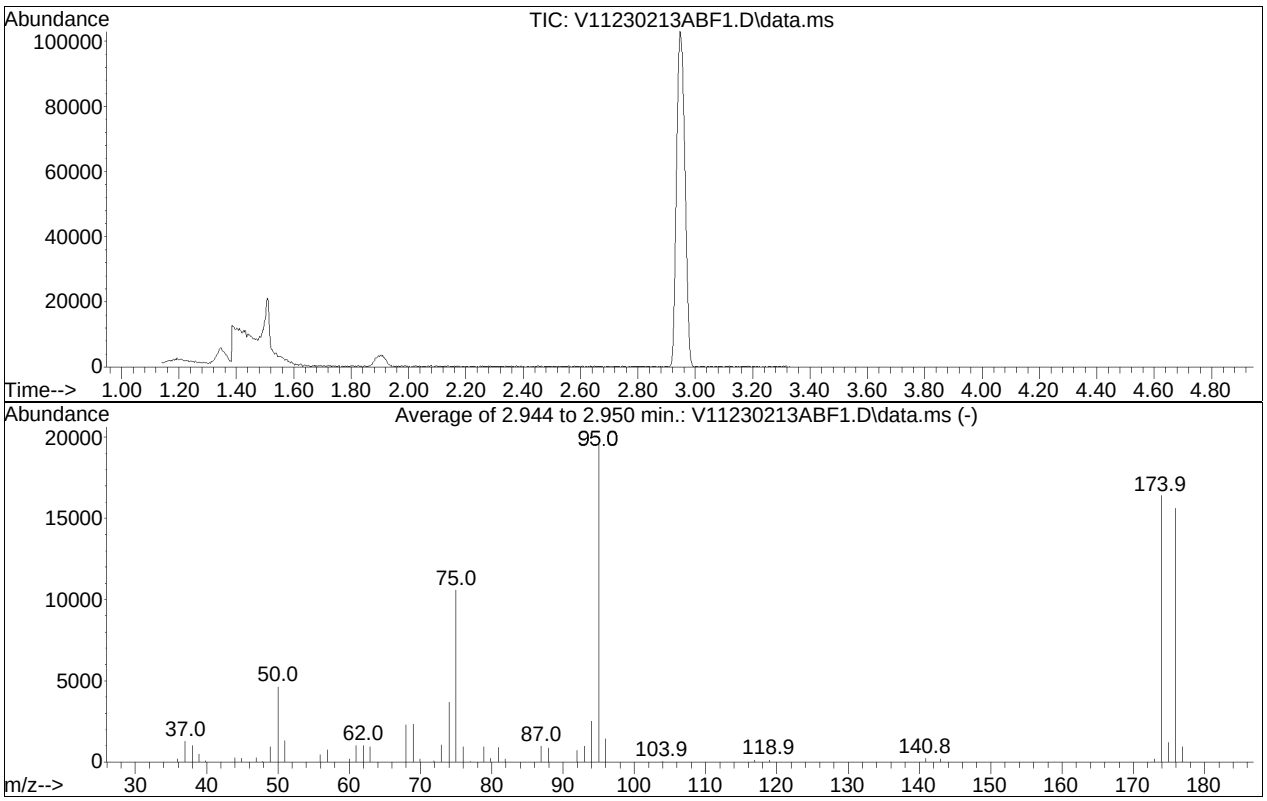
AutoFind: Scans 645, 646, 647; Background Corrected with Scan 633

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.8	4263	PASS
75	95	30	60	53.8	9641	PASS
95	95	100	100	100.0	17912	PASS
96	95	5	9	7.1	1269	PASS
173	174	0.00	2	0.6	92	PASS
174	95	50	100	82.9	14857	PASS
175	174	5	9	7.1	1049	PASS
176	174	95	101	96.0	14263	PASS
177	176	5	9	6.5	930	PASS

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213ABF1.D
Acq On : 13 Feb 2023 06:56 am
Operator : VOA111:AJK
Sample : WG1744281-1
Misc : WG1744281,ICAL19665
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jan 19 11:49:17 2023



Spectrum Information: Average of 2.944 to 2.950 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.6	4634	PASS
75	95	30	60	53.9	10593	PASS
95	95	100	100	100.0	19656	PASS
96	95	5	9	7.3	1429	PASS
173	174	0.00	2	1.3	217	PASS
174	95	50	100	83.5	16421	PASS
175	174	5	9	7.4	1207	PASS
176	174	95	101	95.1	15622	PASS
177	176	5	9	6.1	954	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A05.D
Acq On : 9 Feb 2023 8:27 am
Operator : VOA101:PID
Sample : WG1742861-5,31,10,10,,
Misc : WG1742861,ICAL19605
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 09 09:02:15 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2023\230209A\V01230209A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.082	96	369592	10.000	ug/L	0.00
Standard Area 1 = 380643			Recovery = 97.10%			
59) Chlorobenzene-d5	9.615	117	296612	10.000	ug/L	0.00
Standard Area 1 = 309209			Recovery = 95.93%			
79) 1,4-Dichlorobenzene-d4	12.300	152	148464	10.000	ug/L	0.00
Standard Area 1 = 164050			Recovery = 90.50%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.273	113	102328	9.921	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.21%			
43) 1,2-Dichloroethane-d4	5.797	65	112211	9.948	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.48%			
60) Toluene-d8	7.766	98	372192	10.294	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.94%			
83) 4-Bromofluorobenzene	11.099	95	135141	11.166	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.66%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.888	50	531	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.281	94	625	N.D.		
6) Chloroethane	2.384	64	128	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.894	96	26	N.D.		
11) Carbon disulfide	3.065	76	1428	N.D.		
15) Methylene chloride	3.575	84	167	N.D.		
17) Acetone	0.000		0	N.D.	d	
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	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	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A05.D
Acq On : 9 Feb 2023 8:27 am
Operator : VOA101:PID
Sample : WG1742861-5,31,10,10,,
Misc : WG1742861,ICAL19605
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 09 09:02:15 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2023\230209A\V01230209A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

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	5.323	43	31	N.D.		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	5.661	78	42	N.D.		
44) 1,2-Dichloroethane	5.878	62	89	N.D.		
48) Trichloroethene	6.138	95	149	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.	d	
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.775	92	33	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	9.255	43	26	N.D.		
73) Chlorobenzene	9.635	112	27	N.D.		
74) Ethylbenzene	9.682	91	28	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	11.299	91	27	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	0.000		0	N.D.		
89) 2-Chlorotoluene	11.299	91	27	N.D.		
90) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
91) 1,2,3-Trichloropropane	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93) 4-Chlorotoluene	11.634	91	26	N.D.		
94) tert-Butylbenzene	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A05.D
Acq On : 9 Feb 2023 8:27 am
Operator : VOA101:PID
Sample : WG1742861-5,31,10,10,,
Misc : WG1742861,ICAL19605
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 09 09:02:15 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2023\230209A\V01230209A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	11.997	105	37	N.D.		
98) sec-Butylbenzene	11.997	105	37	N.D.		
99) p-Isopropyltoluene	12.158	119	199	N.D.		
100) 1,3-Dichlorobenzene	12.234	146	60	N.D.		
101) 1,4-Dichlorobenzene	12.317	146	211	N.D.		
102) p-Diethylbenzene	12.540	119	63	N.D.		
103) n-Butylbenzene	12.596	91	75	N.D.		
104) 1,2-Dichlorobenzene	12.749	146	27	N.D.		
105) 1,2,4,5-Tetramethylben...	13.321	119	175	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108) Hexachlorobutadiene	14.121	225	74	N.D.		
109) 1,2,4-Trichlorobenzene	14.163	180	232	N.D.		
110) Naphthalene	14.459	128	1881M3	0.111	ug/L	
111) 1,2,3-Trichlorobenzene	14.615	180	620M1	0.098	ug/L	

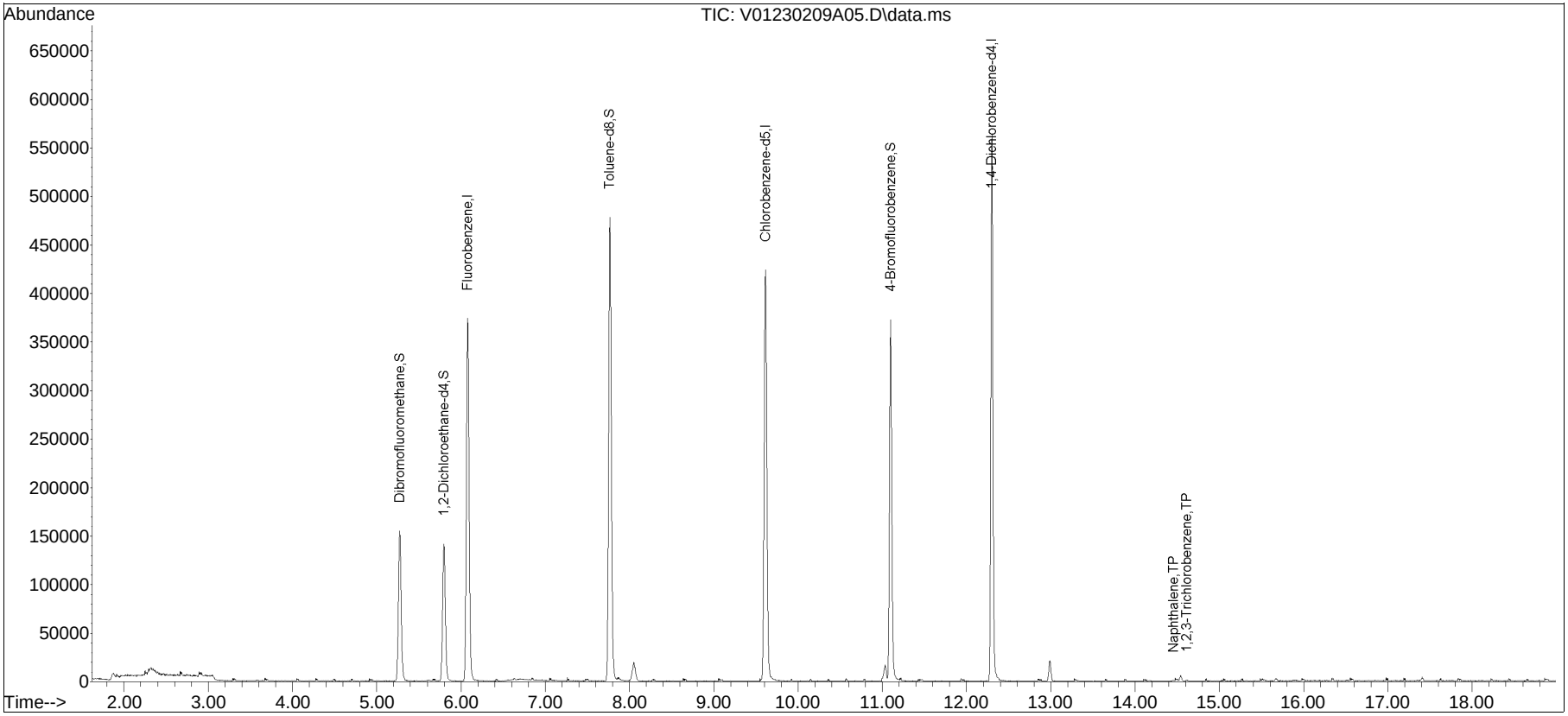
(#) = qualifier out of range (m) = manual integration (+) = signals summed

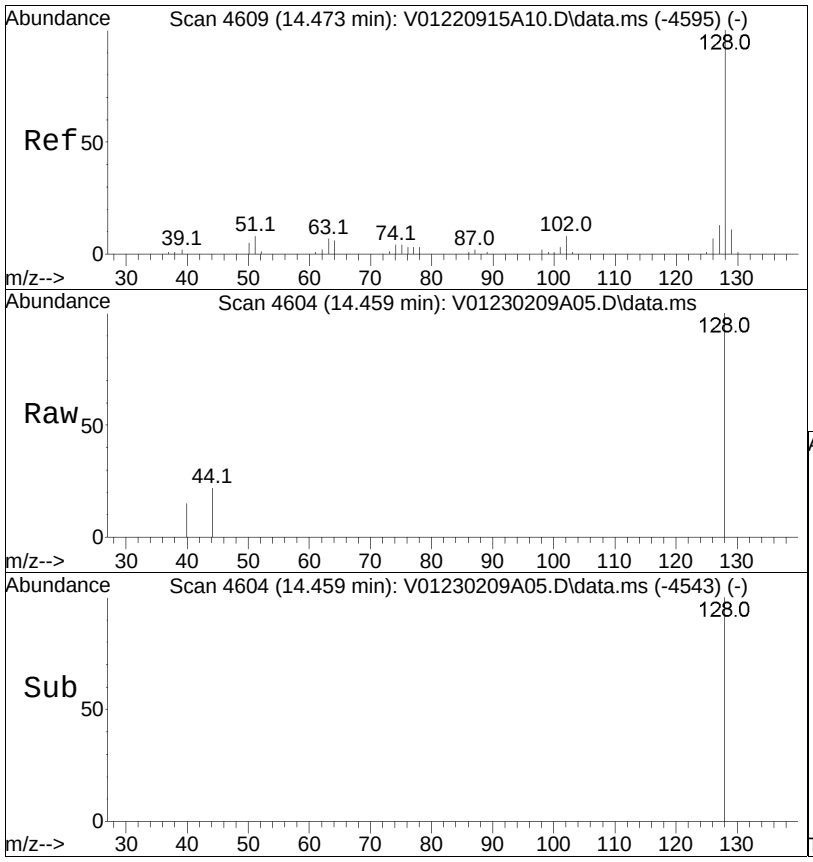
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A05.D
Acq On : 9 Feb 2023 8:27 am
Operator : VOA101:PID
Sample : WG1742861-5,31,10,10,,
Misc : WG1742861,ICAL19605
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 09 09:02:15 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

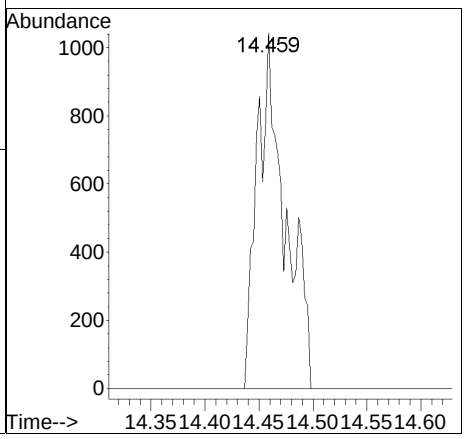
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

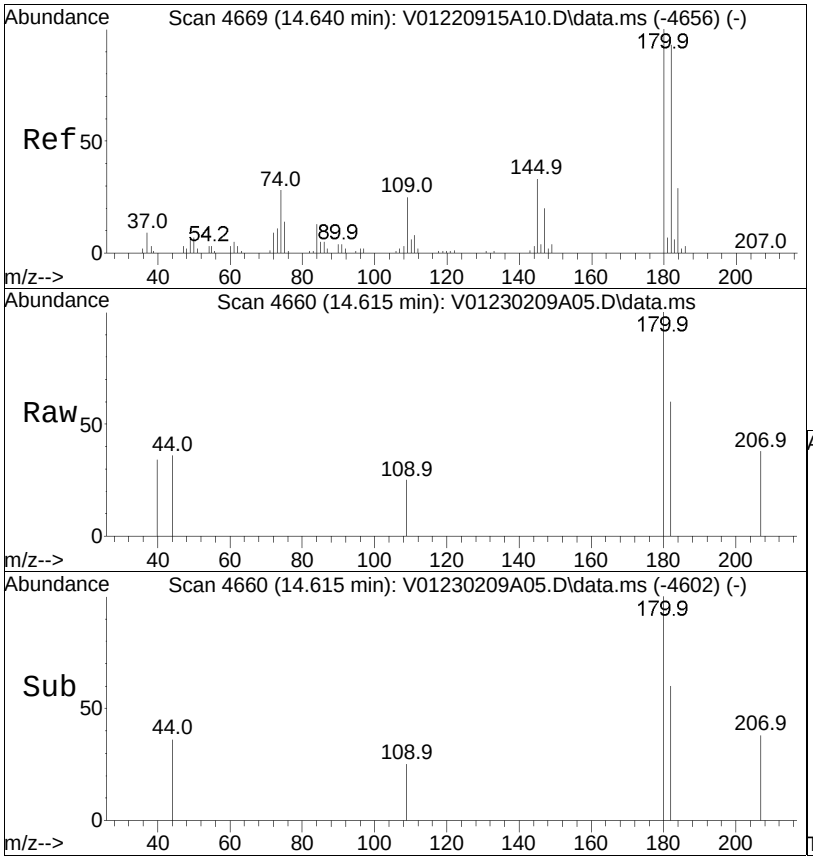




#110
Naphthalene
Concen: 0.11 ug/L M3
RT: 14.459 min Scan# 4604
Delta R.T. 0.022 min
Lab File: V01230209A05.D
Acq: 9 Feb 2023 8:27 am

Tgt Ion:128 Resp: 1881

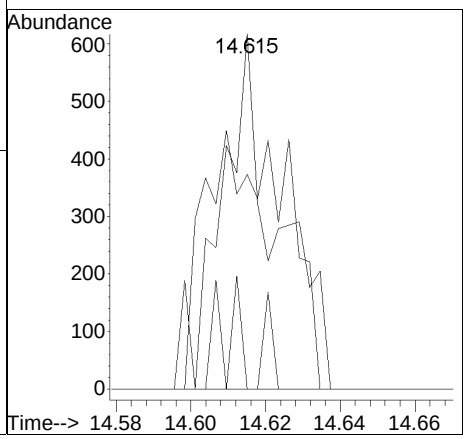




#111
1,2,3-Trichlorobenzene
Concen: 0.10 ug/L M1
RT: 14.615 min Scan# 4660
Delta R.T. 0.011 min
Lab File: V01230209A05.D
Acq: 9 Feb 2023 8:27 am

Tgt Ion:180 Resp: 620

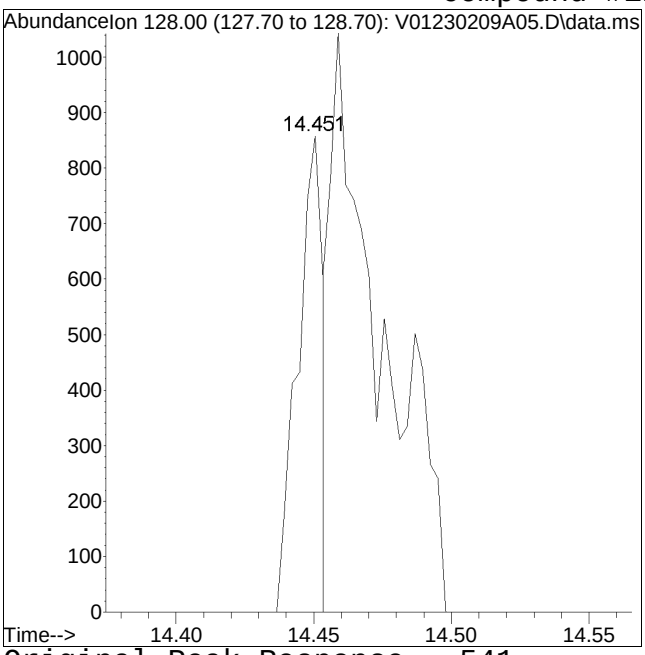
Ion	Ratio	Lower	Upper
180	100		
182	66.8	75.4	113.0#
145	10.5	25.0	37.6#

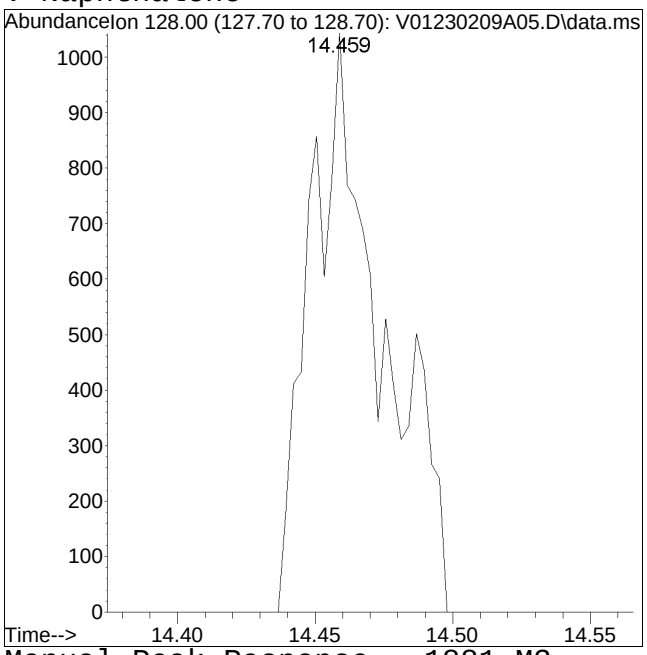


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2023\2QMethod : V101_221216A_8260.m
Data File : V01230209A05.D Operator : VOA101:PID
Date Inj'd : 2/9/2023 8:27 am Instrument : VOA 101
Sample : WG1742861-5,31,10,10,, Quant Date : 2/9/2023 9:01 am

Compound #110: Naphthalene





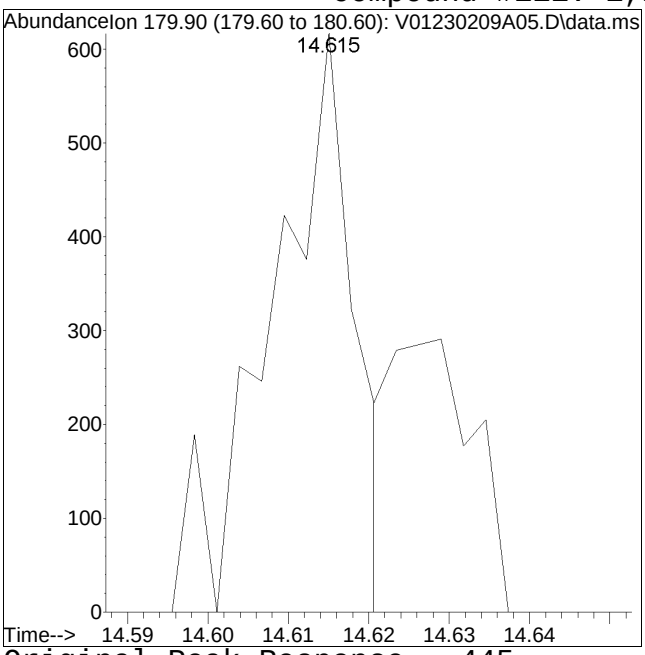
Original Peak Response = 541 Manual Peak Response = 1881 M3

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.

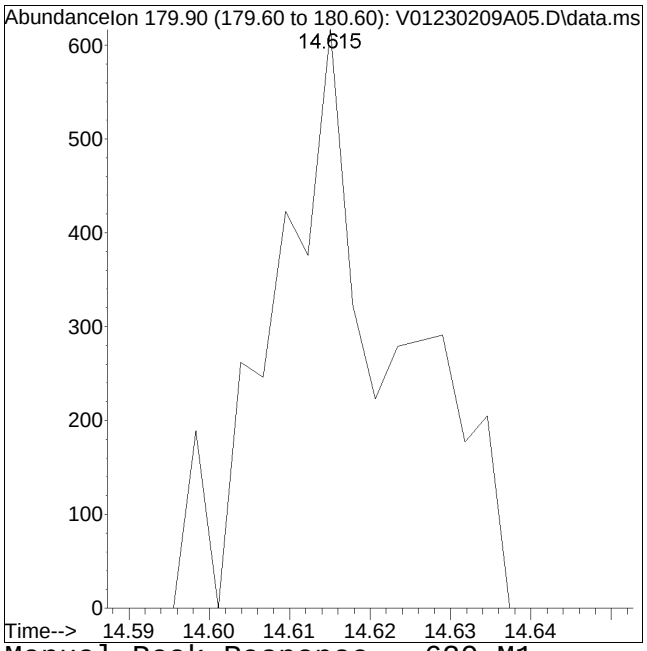
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2023\2QMethod : V101_221216A_8260.m
Data File : V01230209A05.D Operator : VOA101:PID
Date Inj'd : 2/9/2023 8:27 am Instrument : VOA 101
Sample : WG1742861-5,31,10,10,, Quant Date : 2/9/2023 9:01 am

Compound #111: 1,2,3-Trichlorobenzene



Original Peak Response = 445



Manual Peak Response = 620 M1

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

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A05.D
Acq On : 10 Feb 2023 09:19 am
Operator : VOA111:NLK
Sample : WG1743940-5,31,5,5
Misc : WG1743940,ICAL19665
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 10 10:51:06 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230210A\V11230210A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	70523	20.000	ug/L	0.00
Standard Area 1 = 76148			Recovery = 92.61%			
59) Chlorobenzene-d5	9.841	117	52867	20.000	ug/L	-0.01
Standard Area 1 = 56431			Recovery = 93.68%			
79) 1,4-Dichlorobenzene-d4	12.489	152	24797	20.000	ug/L	0.00
Standard Area 1 = 29151			Recovery = 85.06%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.431	113	17452	19.295	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.48%			
43) 1,2-Dichloroethane-d4	5.971	65	18123	20.210	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.05%			
60) Toluene-d8	7.979	98	69928	20.406	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.03%			
83) 4-Bromofluorobenzene	11.298	95	20988	20.073	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.36%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.296	94	850	0.652	ug/L	94
6) Chloroethane	0.000		0	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	3.114	76	492	0.313	ug/L #	73
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D. d		
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	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	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A05.D
Acq On : 10 Feb 2023 09:19 am
Operator : VOA111:NLK
Sample : WG1743940-5,31,5,5
Misc : WG1743940,ICAL19665
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 10 10:51:06 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230210A\V11230210A01.D
Sub List : 8260-CurveSoil - 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	0.000		0		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	0.000		0		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	0.000		0		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	0.000		0		N.D.	
74) Ethylbenzene	0.000		0		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	0.000		0		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	0.000		0		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	0.000		0		N.D.	

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A05.D
Acq On : 10 Feb 2023 09:19 am
Operator : VOA111:NLK
Sample : WG1743940-5,31,5,5
Misc : WG1743940,ICAL19665
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 10 10:51:06 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230210A\V11230210A01.D
Sub List : 8260-CurveSoil - 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.	d	
100)	1,3-Dichlorobenzene	0.000		0	N.D.		
101)	1,4-Dichlorobenzene	0.000		0	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	14.612	128	1825	0.821	ug/L	100
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

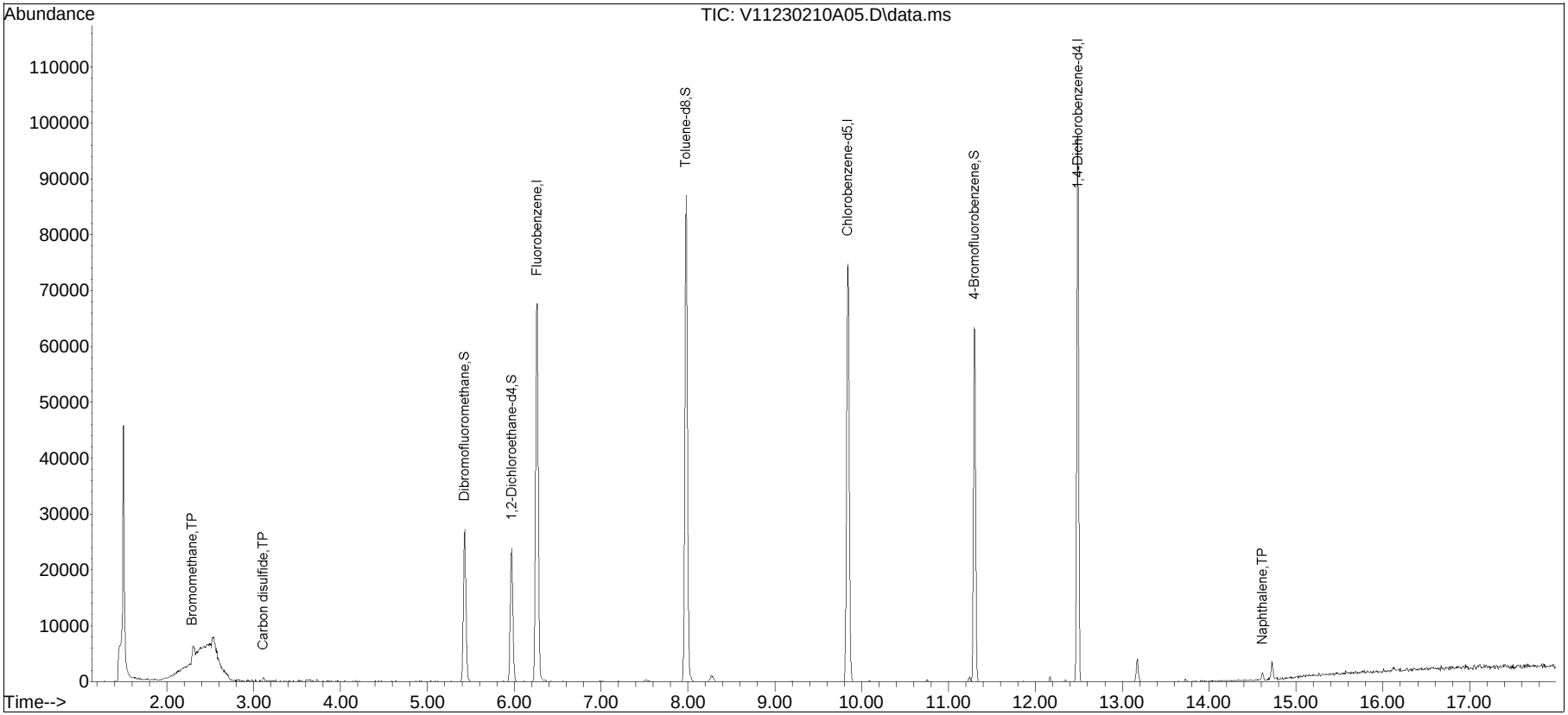
(#) = qualifier out of range (m) = manual integration (+) = signals summed

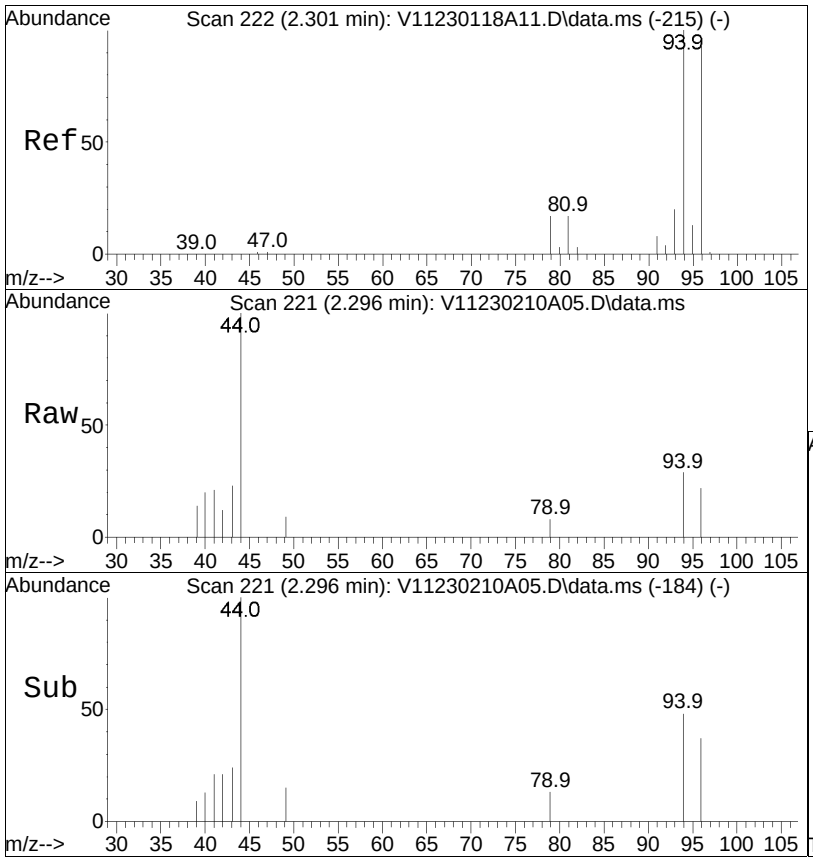
Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A05.D
Acq On : 10 Feb 2023 09:19 am
Operator : VOA111:NLK
Sample : WG1743940-5,31,5,5
Misc : WG1743940,ICAL19665
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 10 10:51:06 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox0A\V11230210A01.D•

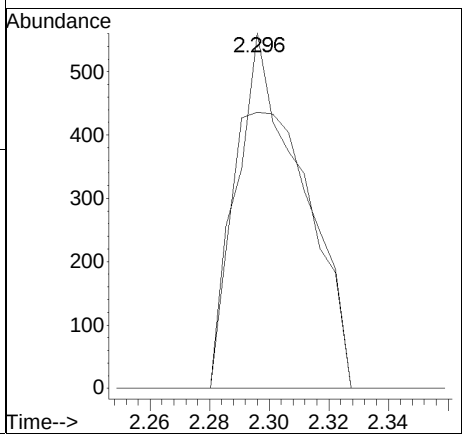


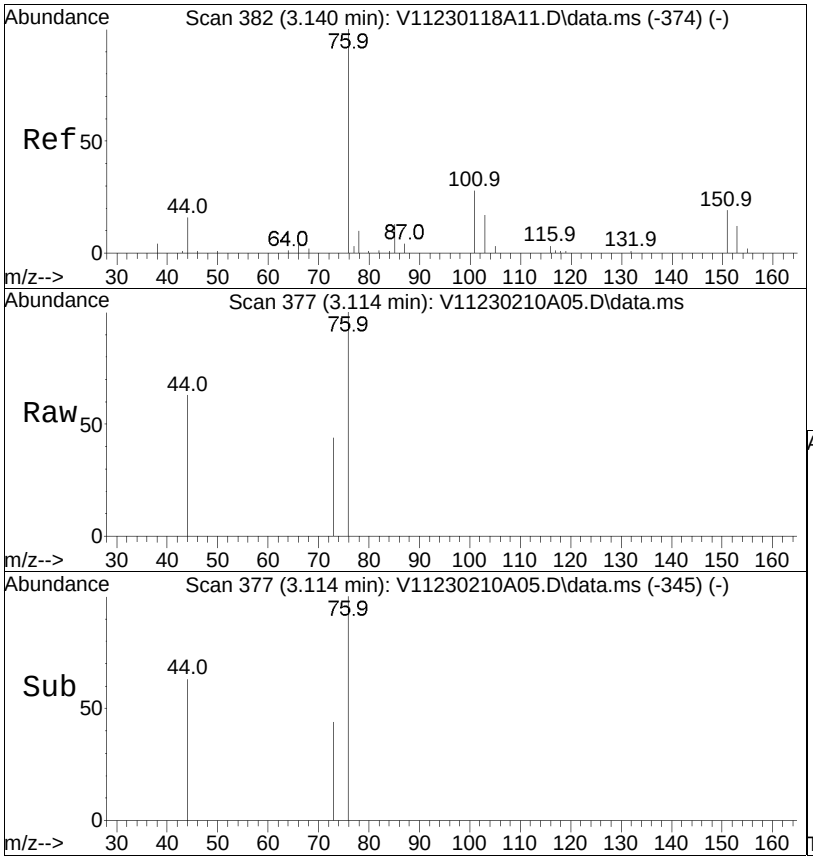


#5
Bromomethane
Concen: 0.65 ug/L
RT: 2.296 min Scan# 221
Delta R.T. -0.005 min
Lab File: V11230210A05.D
Acq: 10 Feb 2023 09:19 am

Tgt Ion: 94 Resp: 850

Ion	Ratio	Lower	Upper
94	100		
96	98.7	72.6	112.6

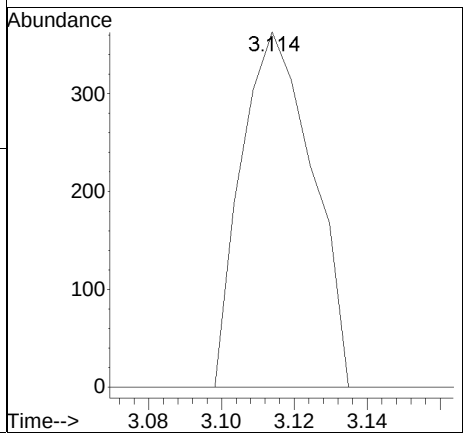


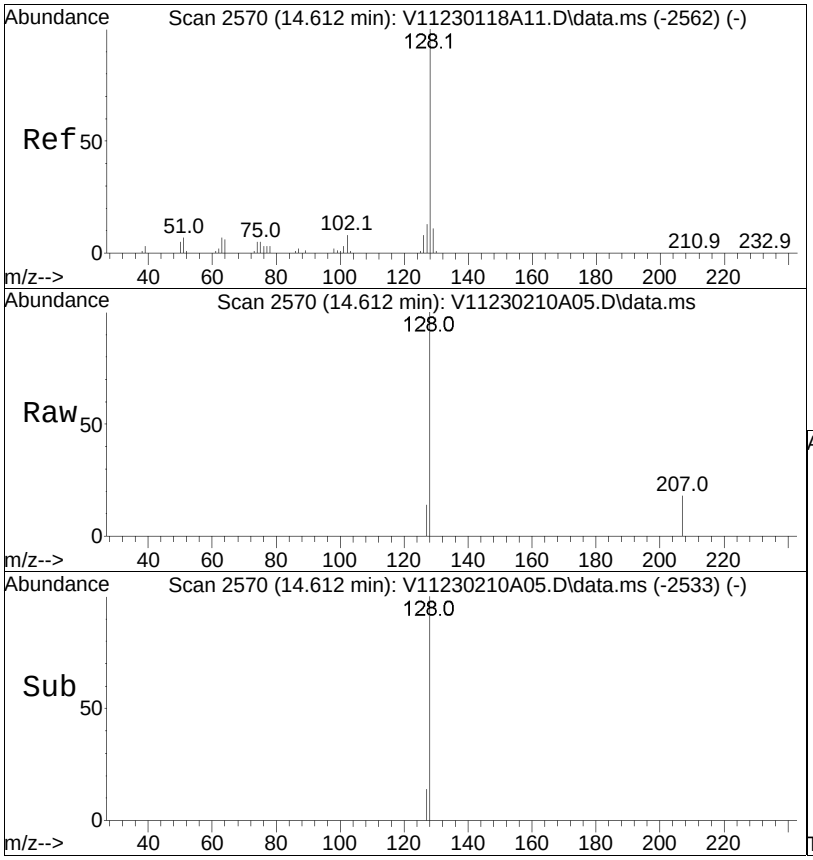


#11
Carbon disulfide
Concen: 0.31 ug/L
RT: 3.114 min Scan# 377
Delta R.T. -0.031 min
Lab File: V11230210A05.D
Acq: 10 Feb 2023 09:19 am

Tgt Ion: 76 Resp: 492

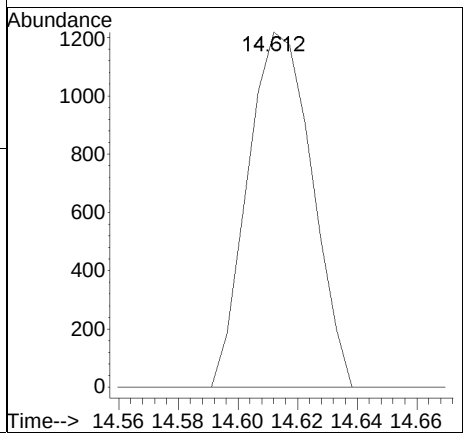
Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.4	13.4#





#110
Naphthalene
Concen: 0.82 ug/L
RT: 14.612 min Scan# 2570
Delta R.T. -0.005 min
Lab File: V11230210A05.D
Acq: 10 Feb 2023 09:19 am

Tgt Ion:128 Resp: 1825



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2	QMethod	: V111_230118_8260.m
Data File	: V11230210A05.D	Operator	: VOA111:NLK
Date Inj'd	: 2/10/2023 9:19 am	Instrument	: VOA111
Sample	: WG1743940-5,31,5,5	Quant Date	: 2/10/2023 10:50 am

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

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213A05.D
Acq On : 13 Feb 2023 09:18 am
Operator : VOA111:JIC
Sample : WG1744281-5,31,5,5
Misc : WG1744281,ICAL19665
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 14 10:02:34 2023
Quant Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230213A\V11230213A02.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.260	96	74970	20.000	ug/L	-0.01
Standard Area 1 = 84561			Recovery = 88.66%			
59) Chlorobenzene-d5	9.841	117	56083	20.000	ug/L	-0.01
Standard Area 1 = 63730			Recovery = 88.00%			
79) 1,4-Dichlorobenzene-d4	12.489	152	26988	20.000	ug/L	0.00
Standard Area 1 = 32706			Recovery = 82.52%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.431	113	18663	19.410	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.05%			
43) 1,2-Dichloroethane-d4	5.971	65	18567	19.477	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.39%			
60) Toluene-d8	7.979	98	73752	20.287	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.43%			
83) 4-Bromofluorobenzene	11.298	95	22750	19.991	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.95%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.301	94	645	0.465	ug/L #	73
6) Chloroethane	0.000		0	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	3.119	76	401	0.240	ug/L #	73
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.733	43	811	3.189	ug/L #	49
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	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	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213A05.D
Acq On : 13 Feb 2023 09:18 am
Operator : VOA111:JIC
Sample : WG1744281-5,31,5,5
Misc : WG1744281,ICAL19665
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 14 10:02:34 2023
Quant Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230213A\V11230213A02.D
Sub List : 8260-CurveSoil - 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	0.000		0		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	0.000		0		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	0.000		0		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	0.000		0		N.D.	
74) Ethylbenzene	0.000		0		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	0.000		0		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	0.000		0		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	0.000		0		N.D.	

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213A05.D
Acq On : 13 Feb 2023 09:18 am
Operator : VOA111:JIC
Sample : WG1744281-5,31,5,5
Misc : WG1744281,ICAL19665
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 14 10:02:34 2023
Quant Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230213A\V11230213A02.D
Sub List : 8260-CurveSoil - 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	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	0.000		0	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	14.612	128	1025	0.424	ug/L	100
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

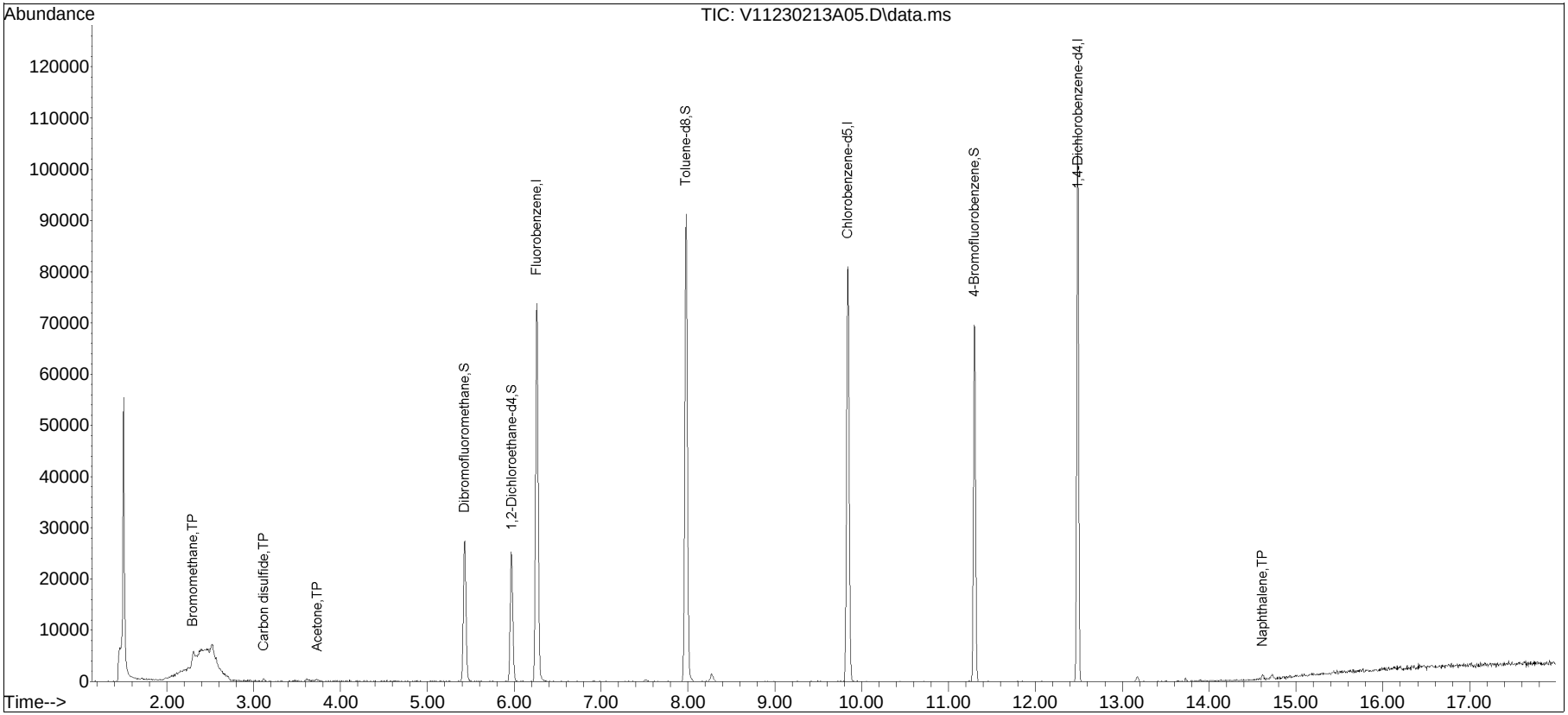
(#) = qualifier out of range (m) = manual integration (+) = signals summed

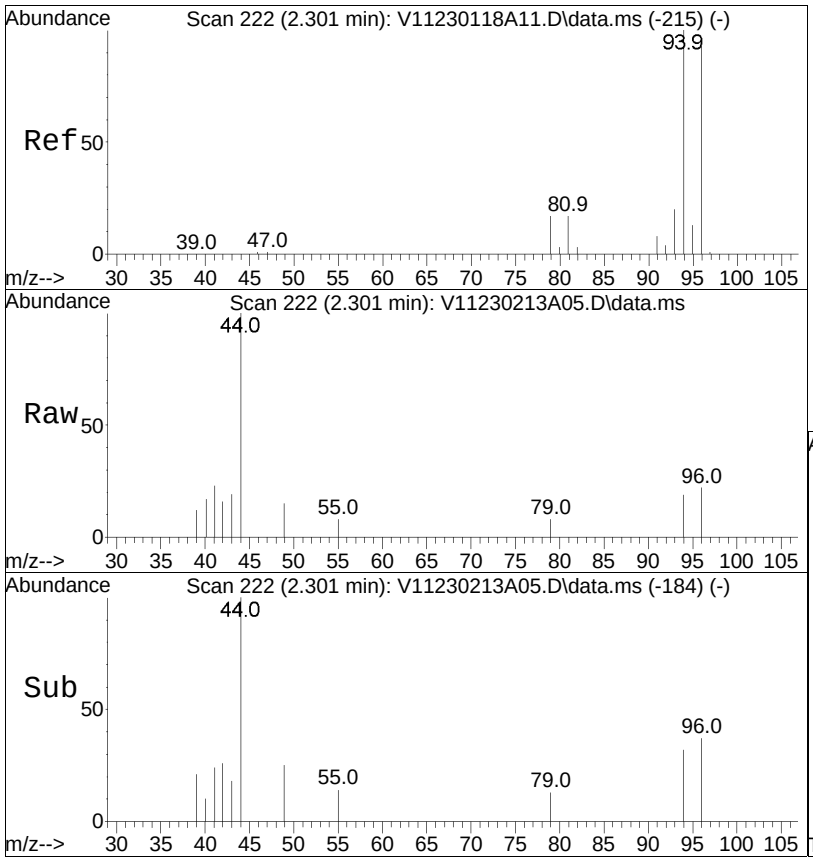
Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213A05.D
Acq On : 13 Feb 2023 09:18 am
Operator : VOA111:JIC
Sample : WG1744281-5,31,5,5
Misc : WG1744281,ICAL19665
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 14 10:02:34 2023
Quant Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox3A\V11230213A02.D•

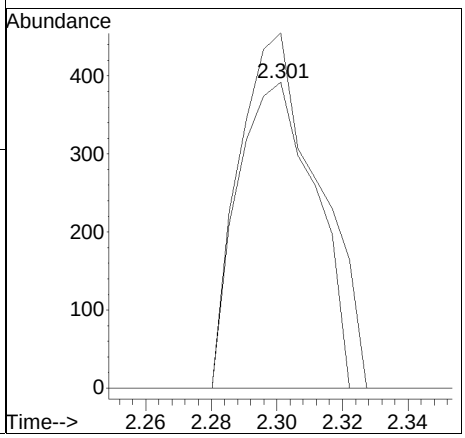


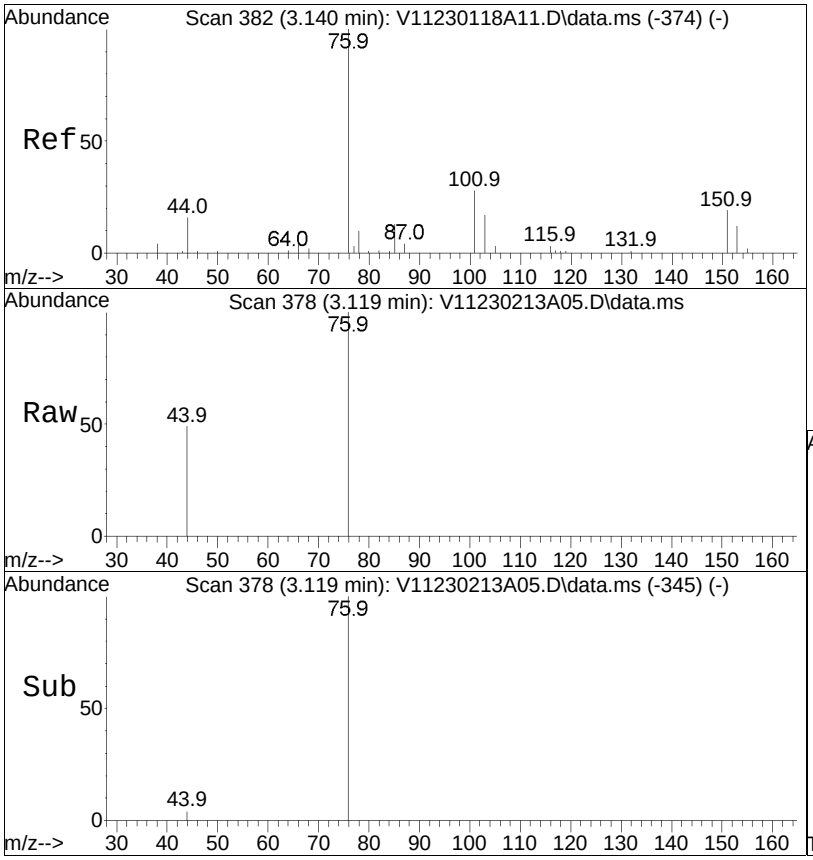


#5
Bromomethane
Concen: 0.47 ug/L
RT: 2.301 min Scan# 222
Delta R.T. 0.000 min
Lab File: V11230213A05.D
Acq: 13 Feb 2023 09:18 am

Tgt Ion: 94 Resp: 645

Ion	Ratio	Lower	Upper
94	100		
96	118.4	72.6	112.6#

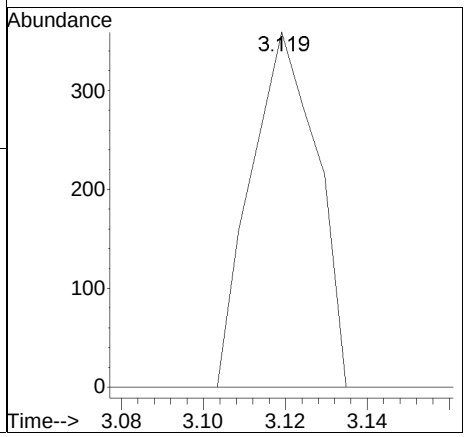


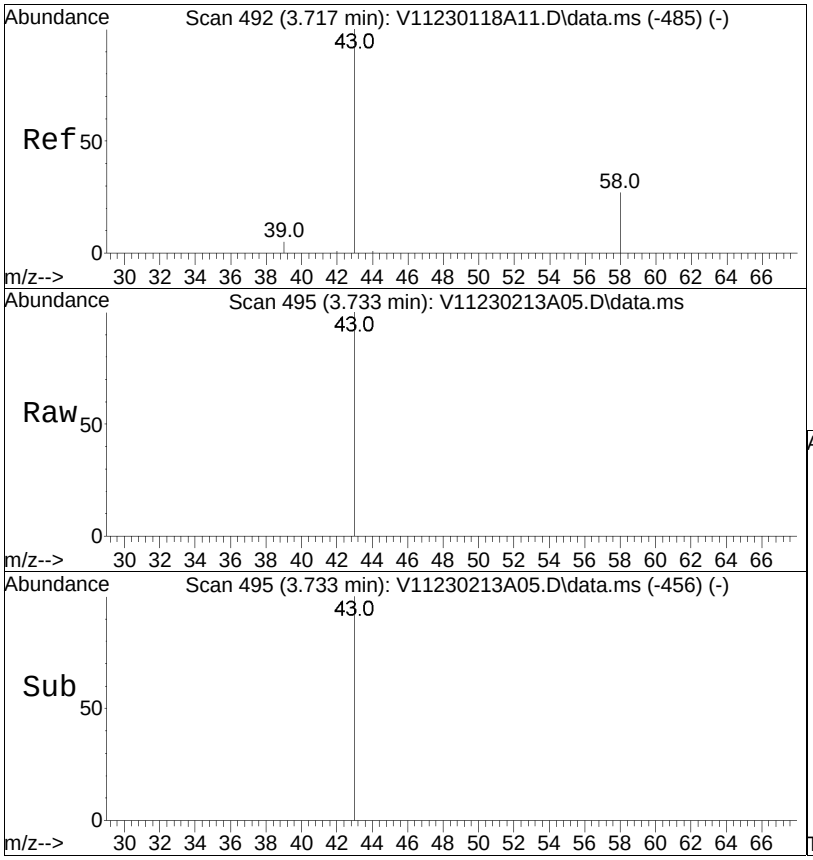


#11
Carbon disulfide
Concen: 0.24 ug/L
RT: 3.119 min Scan# 378
Delta R.T. -0.026 min
Lab File: V11230213A05.D
Acq: 13 Feb 2023 09:18 am

Tgt Ion: 76 Resp: 401

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.4	13.4#

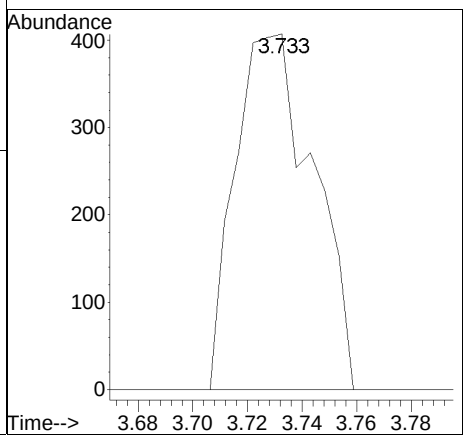


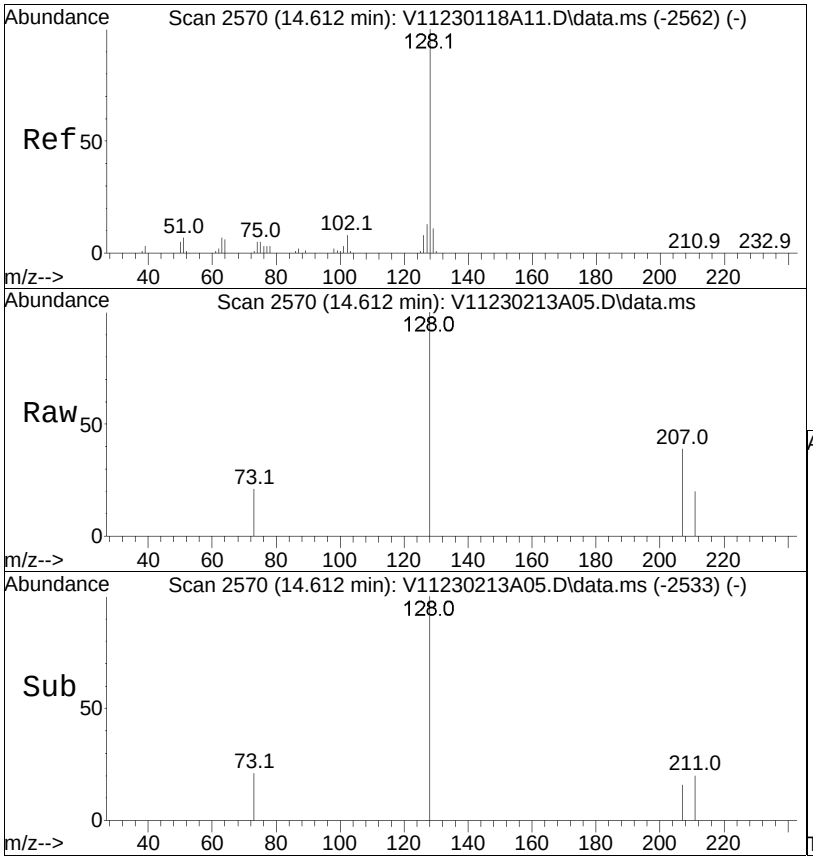


#17
Acetone
Concen: 3.19 ug/L
RT: 3.733 min Scan# 495
Delta R.T. 0.006 min
Lab File: V11230213A05.D
Acq: 13 Feb 2023 09:18 am

Tgt Ion: 43 Resp: 811

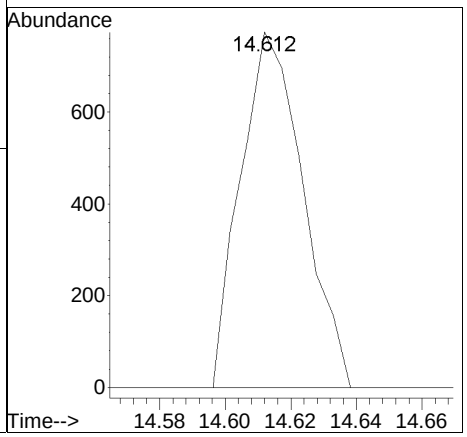
Ion	Ratio	Lower	Upper
43	100		
58	0.0	20.8	31.2#





#110
Naphthalene
Concen: 0.42 ug/L
RT: 14.612 min Scan# 2570
Delta R.T. -0.005 min
Lab File: V11230213A05.D
Acq: 13 Feb 2023 09:18 am

Tgt Ion:128 Resp: 1025



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2	QMethod	: V111_230118_8260.m
Data File	: V11230213A05.D	Operator	: VOA111:JIC
Date Inj'd	: 2/13/2023 9:18 am	Instrument	: VOA111
Sample	: WG1744281-5,31,5,5	Quant Date	: 2/14/2023 10:02 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A01.D
Acq On : 9 Feb 2023 6:44 am
Operator : VOA101:PID
Sample : WG1742861-3,31,10,10,,
Misc : WG1742861,ICAL19605
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 09 07:14:10 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2023\230209A\V01230209A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.079	96	380643	10.000	ug/L	0.00
Standard Area 1 = 380643			Recovery = 100.00%			
59) Chlorobenzene-d5	9.612	117	309209	10.000	ug/L	0.00
Standard Area 1 = 309209			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.298	152	164050	10.000	ug/L	0.00
Standard Area 1 = 164050			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.273	113	105626	9.944	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.44%			
43) 1,2-Dichloroethane-d4	5.797	65	117083	10.079	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.79%			
60) Toluene-d8	7.766	98	382460	10.147	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.47%			
83) 4-Bromofluorobenzene	11.096	95	147063	10.996	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.96%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.698	85	74018	8.583	ug/L	99
3) Chloromethane	1.888	50	79083	7.877	ug/L	100
4) Vinyl chloride	1.963	62	103944	7.402	ug/L	99
5) Bromomethane	2.278	94	44714	4.669	ug/L	98
6) Chloroethane	2.395	64	84216	7.353	ug/L	100
7) Trichlorofluoromethane	2.538	101	192691	7.911	ug/L	98
8) Ethyl ether	2.839	74	45818	7.897	ug/L #	77
10) 1,1-Dichloroethene	3.026	96	101910	7.457	ug/L	85
11) Carbon disulfide	3.056	76	295319	11.767	ug/L	100
15) Methylene chloride	3.580	84	85611	9.634	ug/L	82
17) Acetone	3.625	43	21804	12.141	ug/L #	65
18) trans-1,2-Dichloroethene	3.737	96	90044	9.768	ug/L	99
20) Methyl tert-butyl ether	3.831	73	169147	9.983	ug/L	91
23) 1,1-Dichloroethane	4.314	63	175472	10.222	ug/L	99
25) Acrylonitrile	4.361	53	18761	10.800	ug/L	98
27) Vinyl acetate	4.548	43	213000	12.217	ug/L #	86
28) cis-1,2-Dichloroethene	4.830	96	100500	9.823	ug/L	96
29) 2,2-Dichloropropane	4.930	77	148659	11.159	ug/L	86
30) Bromochloromethane	5.025	128	46852	9.810	ug/L	90
32) Chloroform	5.095	83	169456	10.082	ug/L	95

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A01.D
Acq On : 9 Feb 2023 6:44 am
Operator : VOA101:PID
Sample : WG1742861-3,31,10,10,,
Misc : WG1742861,ICAL19605
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 09 07:14:10 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2023\230209A\V01230209A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	5.231	117	138887	11.101	ug/L		98
37) 1,1,1-Trichloroethane	5.296	97	149336	10.582	ug/L		97
39) 2-Butanone	5.390	43	27674	11.720	ug/L	#	40
40) 1,1-Dichloropropene	5.415	75	130215	10.430	ug/L		99
41) Benzene	5.661	78	357962	9.253	ug/L		96
44) 1,2-Dichloroethane	5.867	62	120033	10.357	ug/L		100
48) Trichloroethene	6.258	95	103495	9.767	ug/L		98
50) Dibromomethane	6.698	93	50391	9.804	ug/L		96
51) 1,2-Dichloropropane	6.799	63	100377	10.730	ug/L		99
54) Bromodichloromethane	6.874	83	128101	11.025	ug/L		100
57) 1,4-Dioxane	7.083	88	19821	407.017	ug/L		97
58) cis-1,3-Dichloropropene	7.560	75	145101	10.738	ug/L	#	84
61) Toluene	7.822	92	234461	9.765	ug/L		98
62) 4-Methyl-2-pentanone	8.251	58	19844	10.081	ug/L	#	68
63) Tetrachloroethene	8.277	166	100535	9.723	ug/L		95
65) trans-1,3-Dichloropropene	8.304	75	122905	10.806	ug/L		85
68) 1,1,2-Trichloroethane	8.494	83	57901	10.101	ug/L		98
69) Chlorodibromomethane	8.706	129	86833	11.203	ug/L		98
70) 1,3-Dichloropropane	8.815	76	120950	10.365	ug/L		99
71) 1,2-Dibromoethane	8.985	107	65955	9.940	ug/L		99
72) 2-Hexanone	9.269	43	40436	11.141	ug/L	#	88
73) Chlorobenzene	9.629	112	272850	9.760	ug/L		98
74) Ethylbenzene	9.671	91	466757	9.776	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.718	131	98197	10.898	ug/L		98
76) p/m Xylene	9.855	106	365056	19.587	ug/L		97
77) o Xylene	10.393	106	347168	19.115	ug/L		98
78) Styrene	10.460	104	562124	17.595	ug/L		98
80) Bromoform	10.488	173	48348	11.499	ug/L		97
82) Isopropylbenzene	10.772	105	462828	10.114	ug/L		98
84) Bromobenzene	11.207	156	105410	9.893	ug/L		99
85) n-Propylbenzene	11.249	91	548002	10.108	ug/L		98
87) 1,1,2,2-Tetrachloroethane	11.333	83	77661	10.327	ug/L		99
88) 4-Ethyltoluene	11.372	105	446031	10.261	ug/L		97
89) 2-Chlorotoluene	11.417	91	317031M1	10.353	ug/L		
90) 1,3,5-Trimethylbenzene	11.472	105	364881	9.833	ug/L		98
91) 1,2,3-Trichloropropane	11.475	75	61272M1	9.720	ug/L		
92) trans-1,4-Dichloro-2-b...	11.525	53	23476M4	11.638	ug/L		
93) 4-Chlorotoluene	11.598	91	313454	10.161	ug/L		97
94) tert-Butylbenzene	11.810	119	306869	10.043	ug/L		99

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A01.D
Acq On : 9 Feb 2023 6:44 am
Operator : VOA101:PID
Sample : WG1742861-3,31,10,10,,
Misc : WG1742861,ICAL19605
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 09 07:14:10 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2023\230209A\V01230209A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	11.888	105	354765	9.987	ug/L	98
98)	sec-Butylbenzene	11.999	105	439124	10.056	ug/L	98
99)	p-Isopropyltoluene	12.153	119	368157	10.011	ug/L	100
100)	1,3-Dichlorobenzene	12.225	146	197451	9.802	ug/L	98
101)	1,4-Dichlorobenzene	12.312	146	197576	9.525	ug/L	99
102)	p-Diethylbenzene	12.524	119	207123	10.095	ug/L	98
103)	n-Butylbenzene	12.582	91	309091	10.453	ug/L	98
104)	1,2-Dichlorobenzene	12.733	146	175054	9.701	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.316	119	275833	9.982	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.516	155	9540	9.511	ug/L	99
108)	Hexachlorobutadiene	14.116	225	36444	11.035	ug/L	98
109)	1,2,4-Trichlorobenzene	14.141	180	83565	9.866	ug/L	98
110)	Naphthalene	14.434	128	181731	9.662	ug/L	100
111)	1,2,3-Trichlorobenzene	14.601	180	68308	9.761	ug/L	98

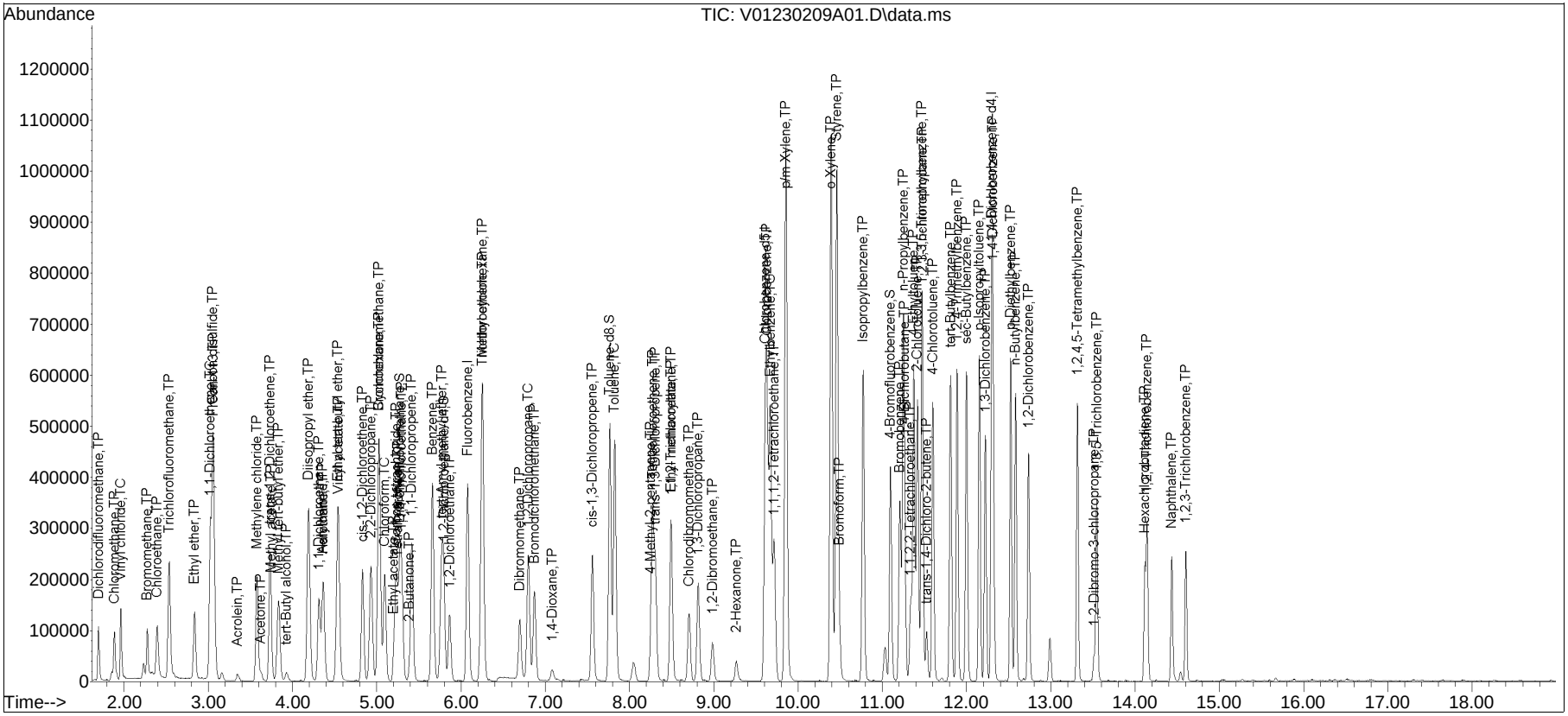
(#) = qualifier out of range (m) = manual integration (+) = signals summed

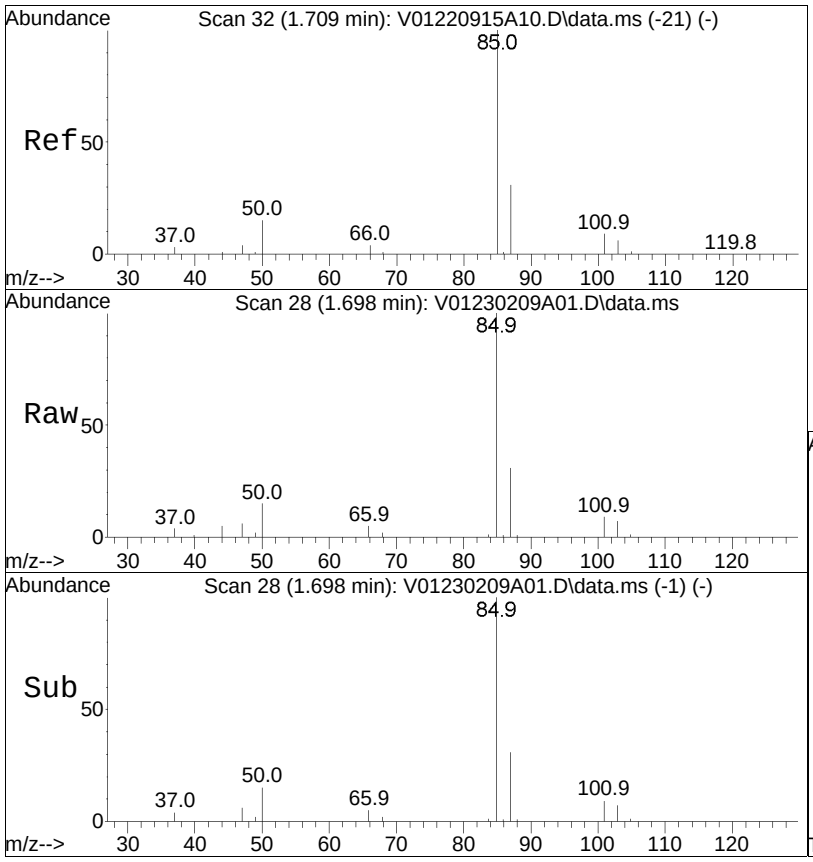
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A01.D
Acq On : 9 Feb 2023 6:44 am
Operator : VOA101:PID
Sample : WG1742861-3,31,10,10,,
Misc : WG1742861,ICAL19605
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 09 07:14:10 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

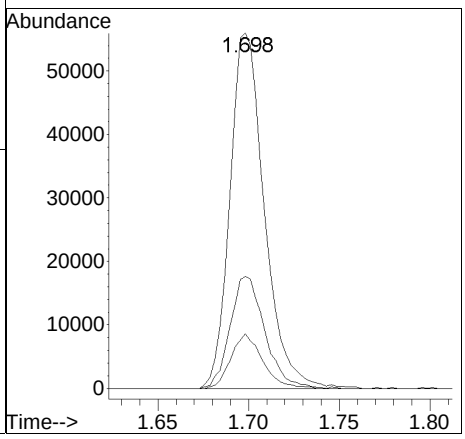


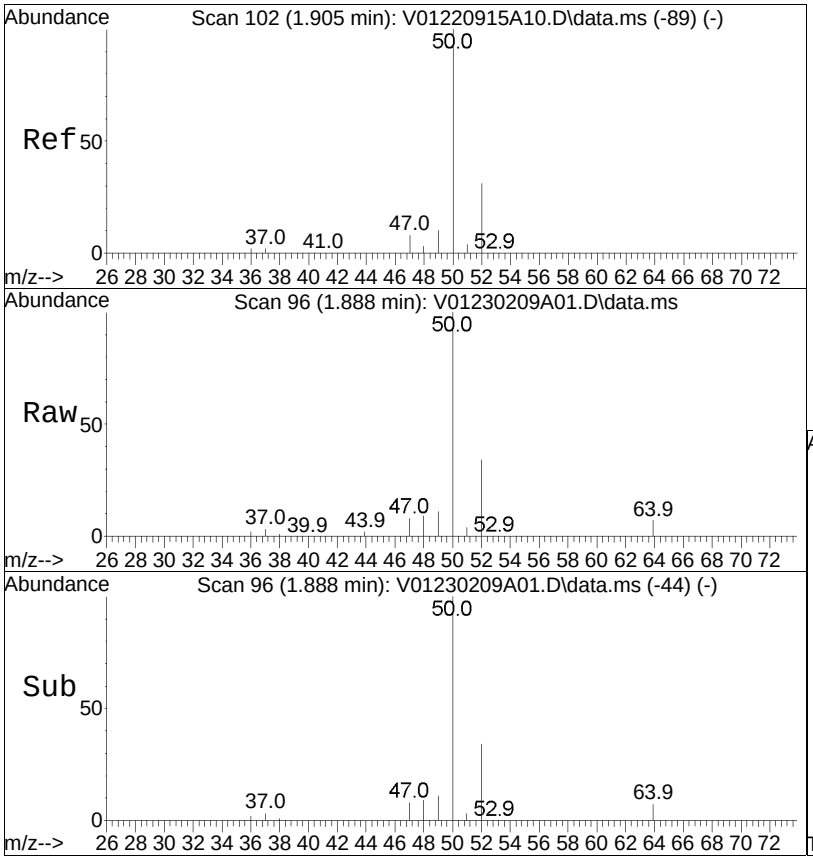


#2
Dichlorodifluoromethane
Concen: 8.58 ug/L
RT: 1.698 min Scan# 28
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 85 Resp: 74018

Ion	Ratio	Lower	Upper
85	100		
87	31.7	20.9	43.5
50	14.2	9.1	18.9

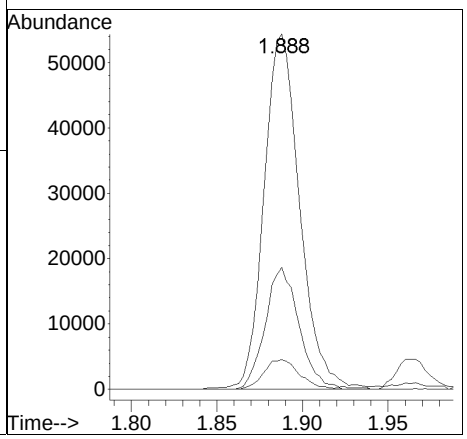


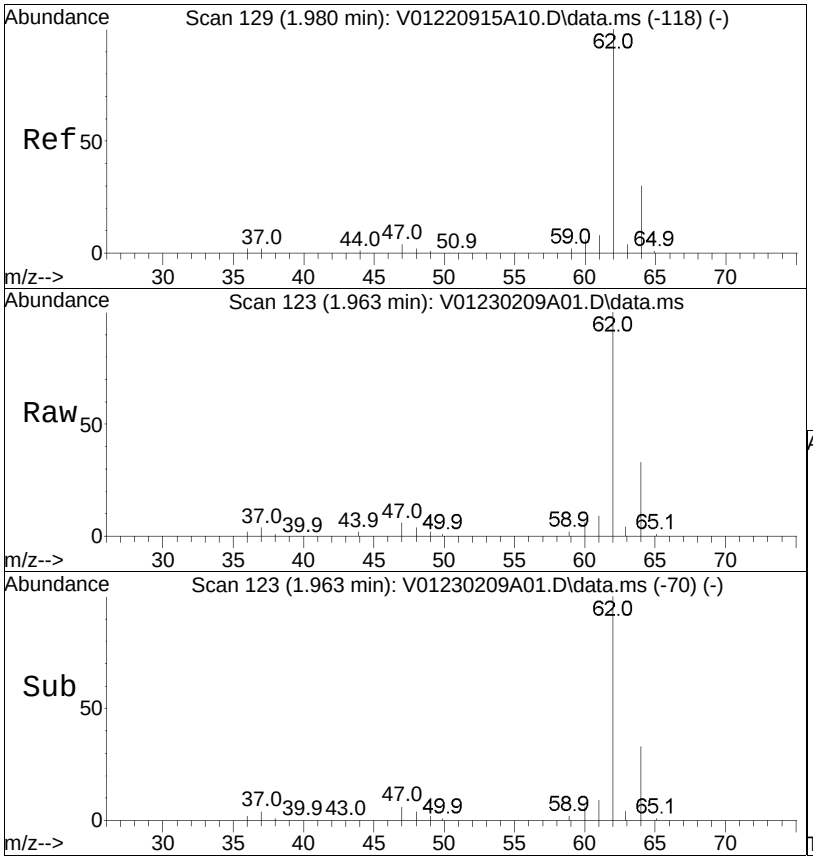


#3
Chloromethane
Concen: 7.88 ug/L
RT: 1.888 min Scan# 96
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 50 Resp: 79083

Ion	Ratio	Lower	Upper
50	100		
52	32.5	12.8	52.8
47	8.5	0.0	28.3

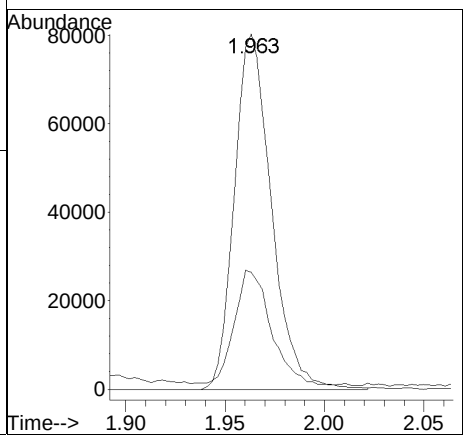


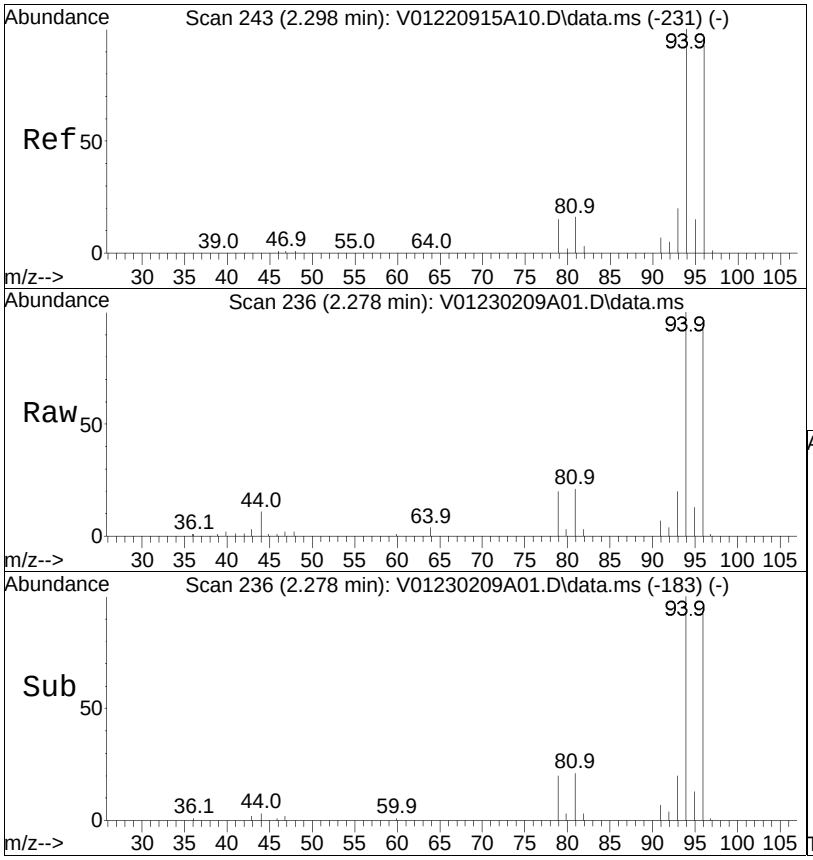


#4
Vinyl chloride
Concen: 7.40 ug/L
RT: 1.963 min Scan# 123
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 62 Resp: 103944

Ion	Ratio	Lower	Upper
62	100		
64	31.6	10.8	50.8

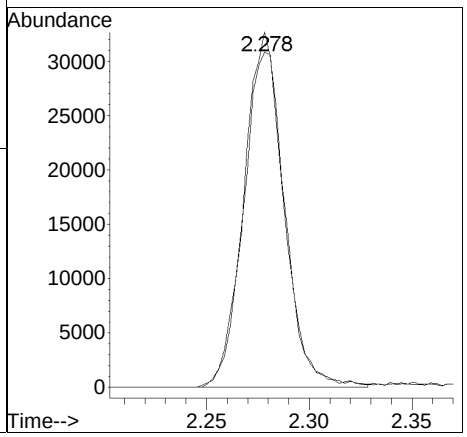


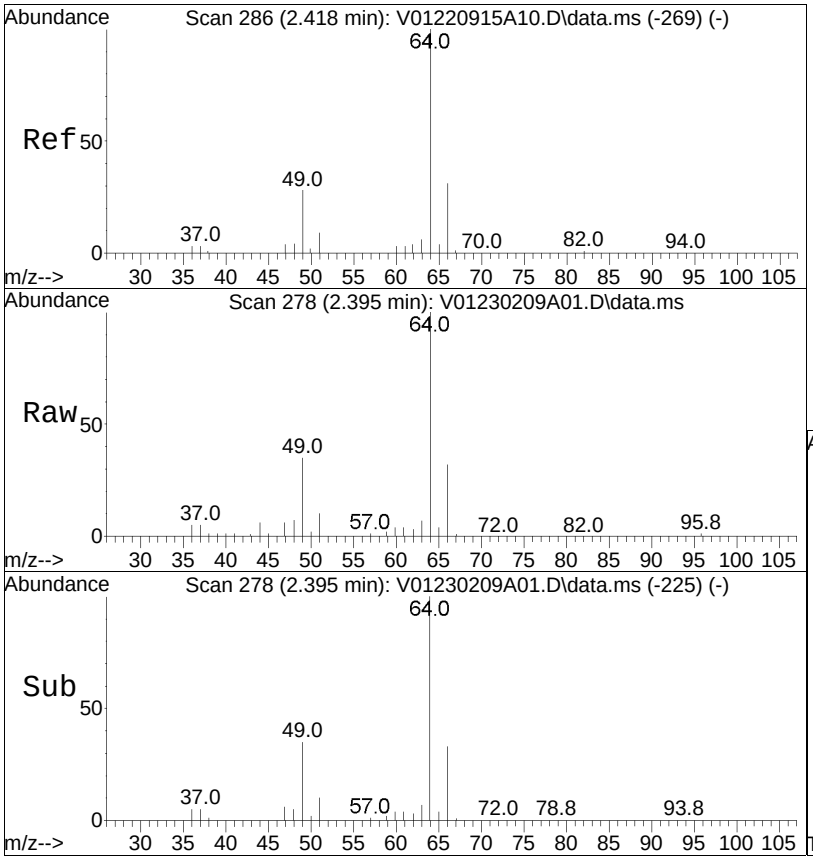


#5
Bromomethane
Concen: 4.67 ug/L
RT: 2.278 min Scan# 236
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 94 Resp: 44714

Ion	Ratio	Lower	Upper
94	100		
96	95.5	73.6	113.6

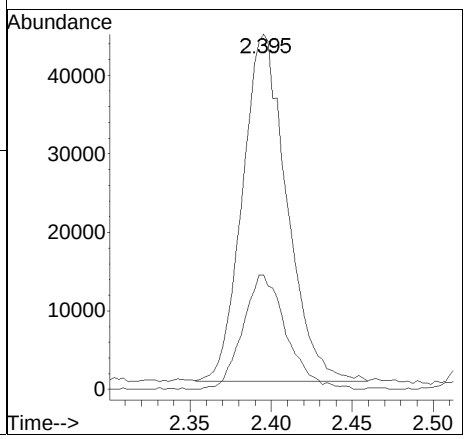


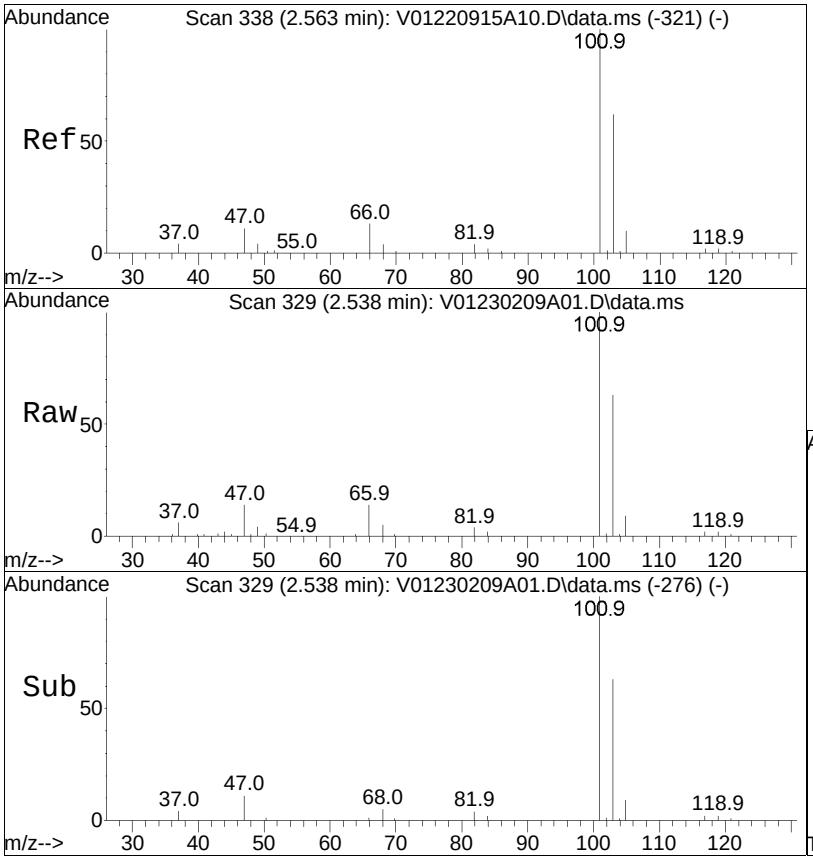


#6
Chloroethane
Concen: 7.35 ug/L
RT: 2.395 min Scan# 278
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 64 Resp: 84216

Ion	Ratio	Lower	Upper
64	100		
66	32.5	12.7	52.7

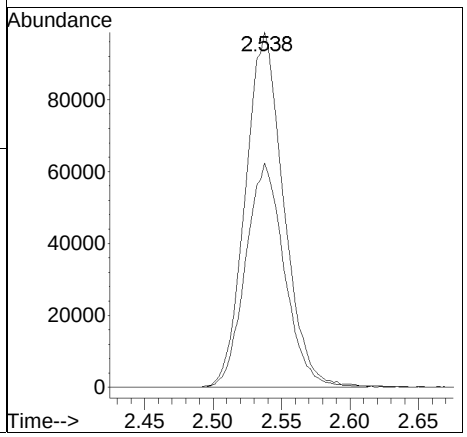


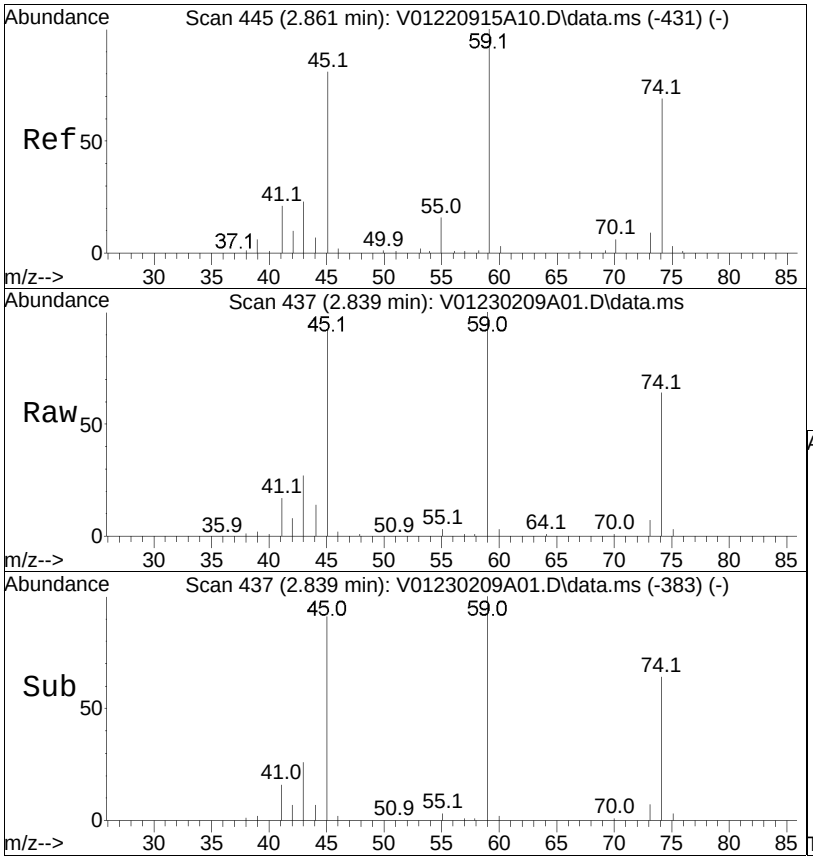


#7
Trichlorofluoromethane
Concen: 7.91 ug/L
RT: 2.538 min Scan# 329
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:101 Resp: 192691

Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.3	78.5

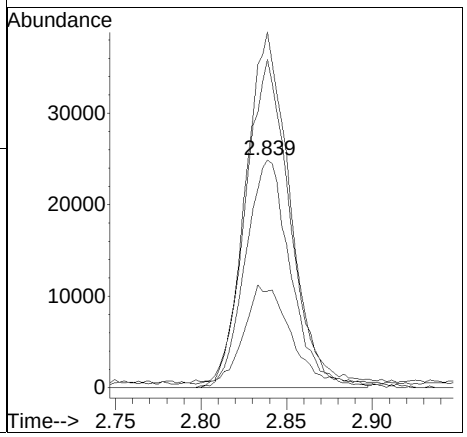


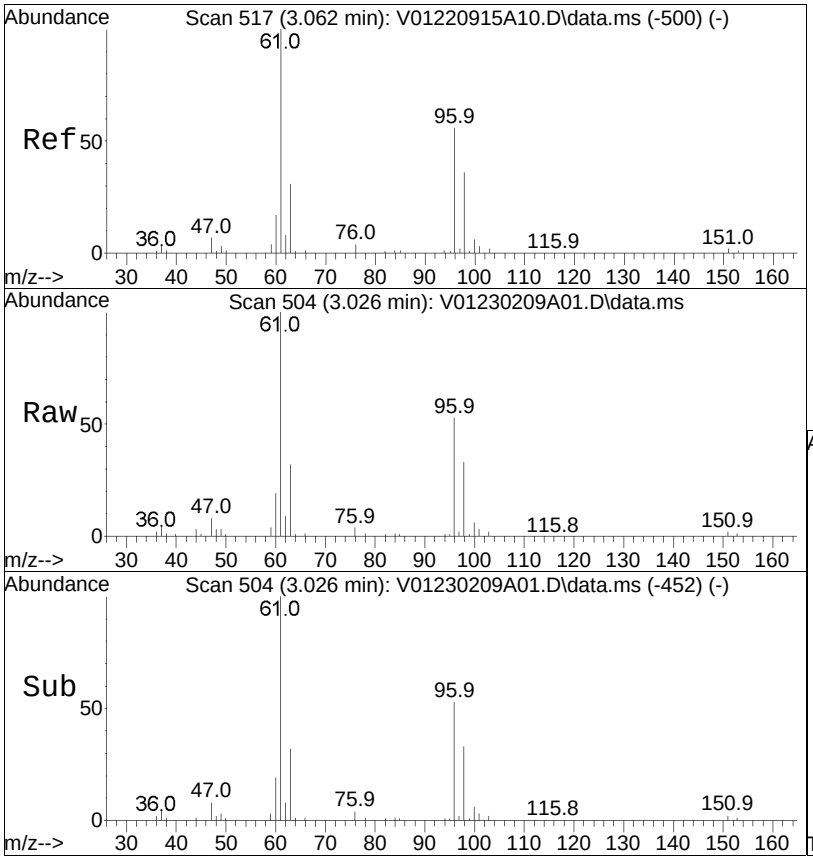


#8
Ethyl ether
Concen: 7.90 ug/L
RT: 2.839 min Scan# 437
Delta R.T. -0.000 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 74 Resp: 45818

Ion	Ratio	Lower	Upper
74	100		
59	152.4	88.1	182.9
45	136.1	66.1	137.3
43	43.9	19.7	40.9#

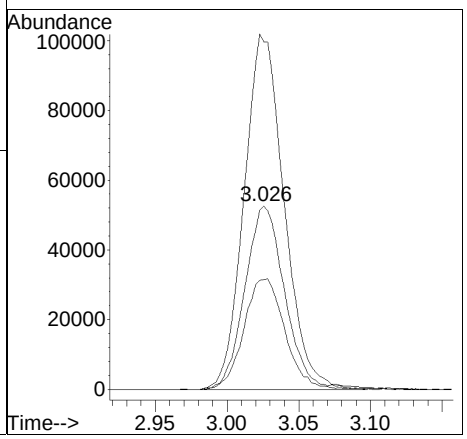


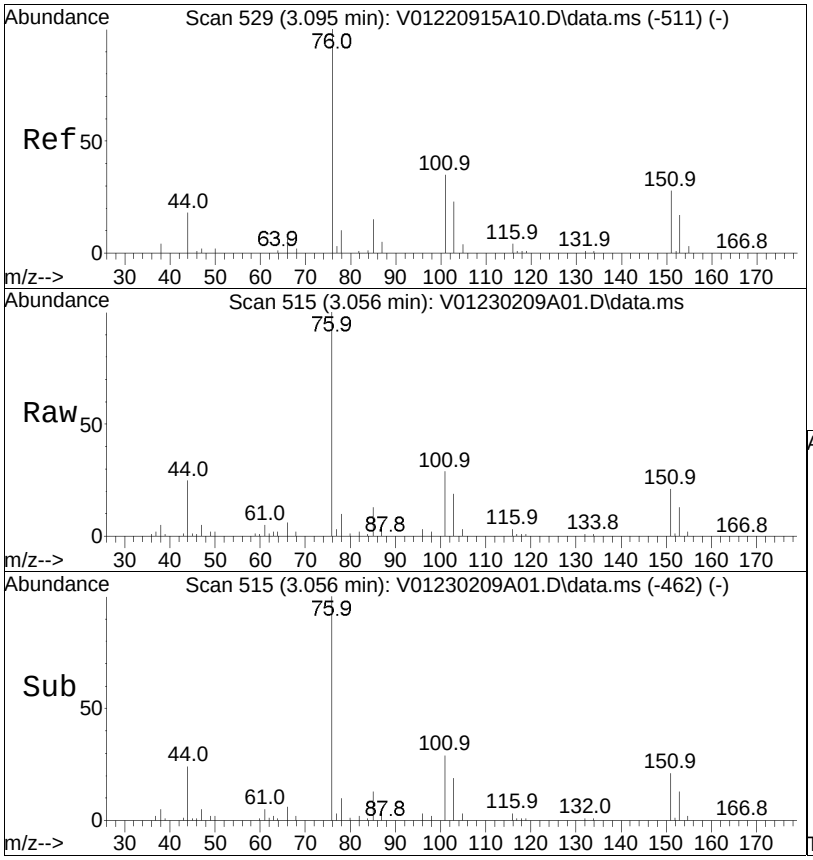


#10
1,1-Dichloroethene
Concen: 7.46 ug/L
RT: 3.026 min Scan# 504
Delta R.T. -0.005 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 96 Resp: 101910

Ion	Ratio	Lower	Upper
96	100		
61	194.4	136.8	205.2
63	62.0	43.6	65.4

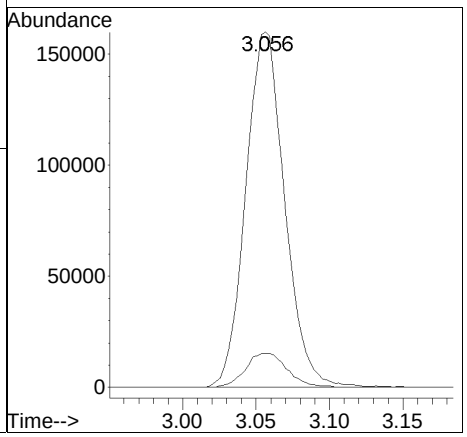


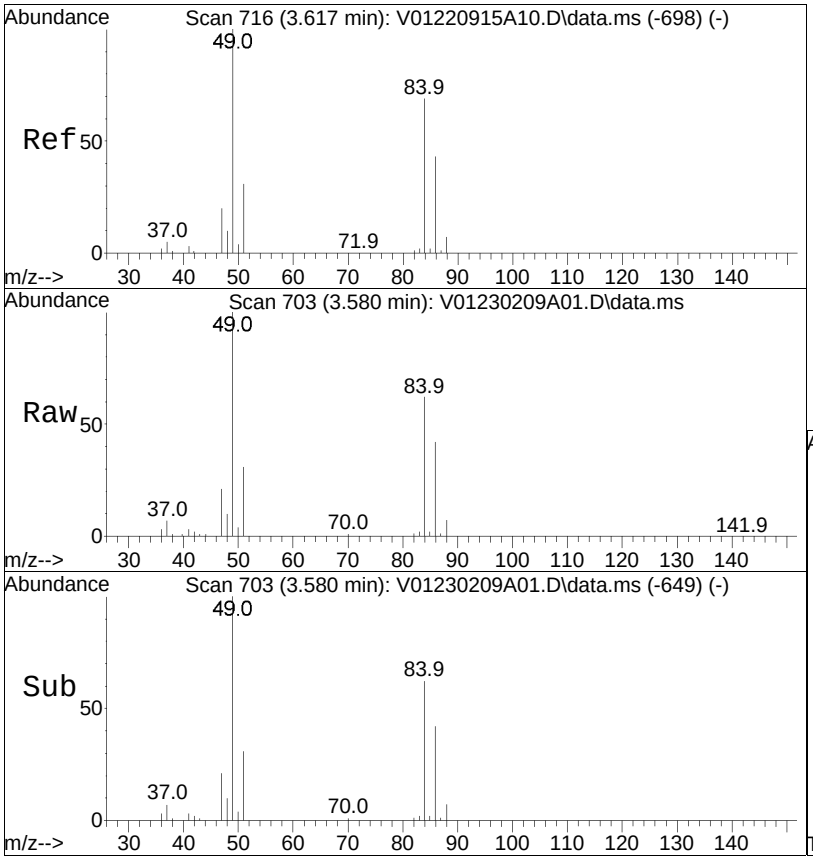


#11
Carbon disulfide
Concen: 11.77 ug/L
RT: 3.056 min Scan# 515
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 76 Resp: 295319

Ion	Ratio	Lower	Upper
76	100		
78	10.4	6.6	13.8

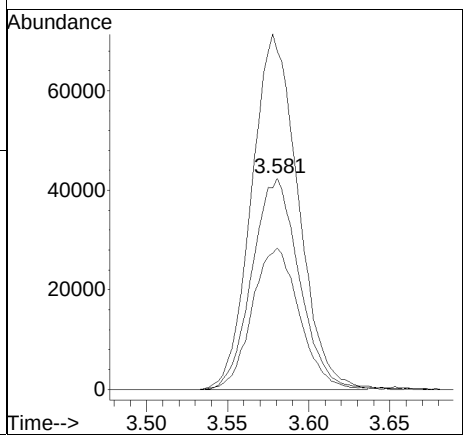


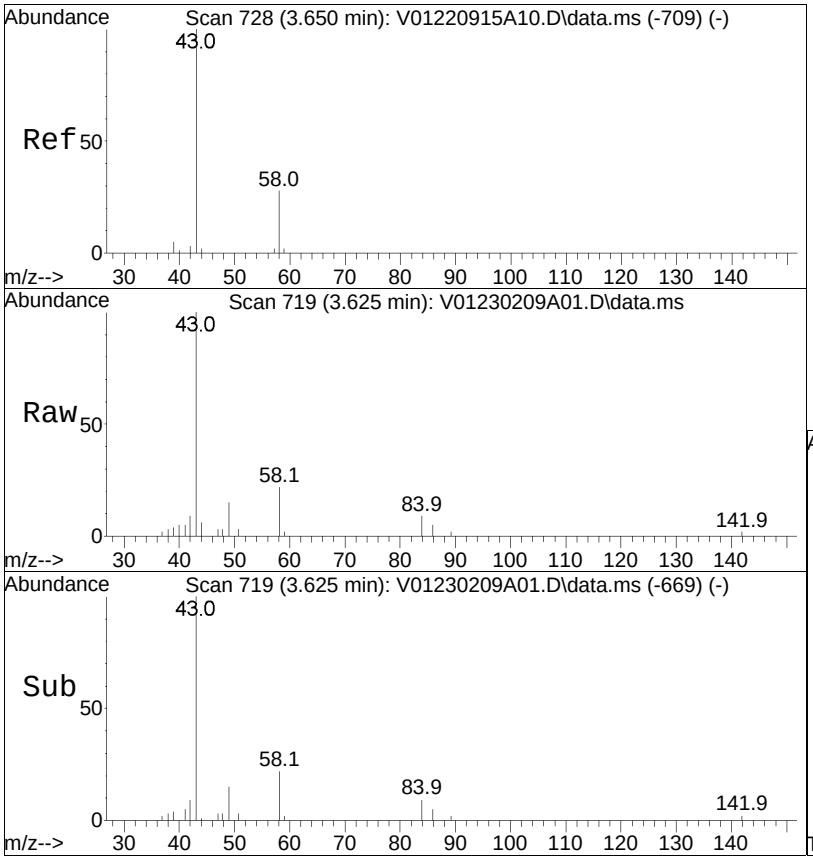


#15
Methylene chloride
Concen: 9.63 ug/L
RT: 3.580 min Scan# 703
Delta R.T. -0.001 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 84 Resp: 85611

Ion	Ratio	Lower	Upper
84	100		
86	67.5	41.7	86.7
49	166.8	89.1	185.1

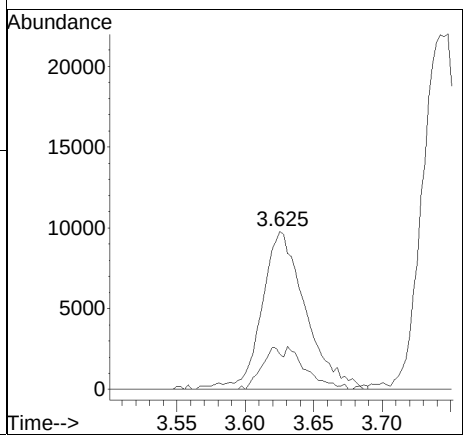


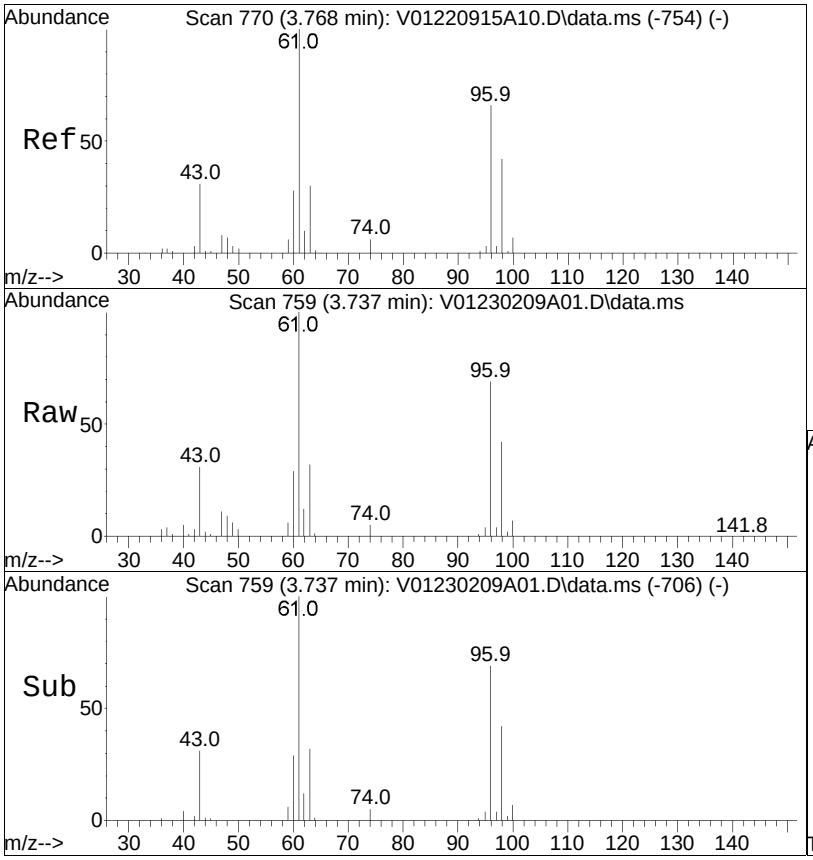


#17
Acetone
Concen: 12.14 ug/L
RT: 3.625 min Scan# 719
Delta R.T. -0.011 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 43 Resp: 21804

Ion	Ratio	Lower	Upper
43	100		
58	12.8	25.9	38.9#

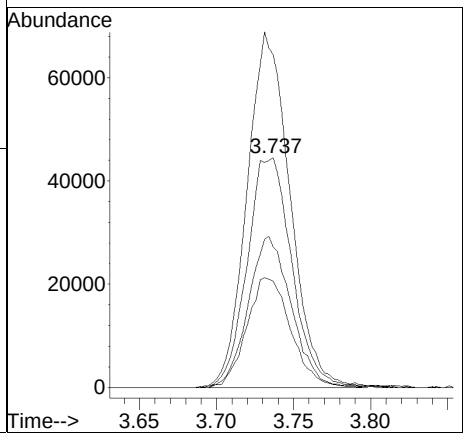


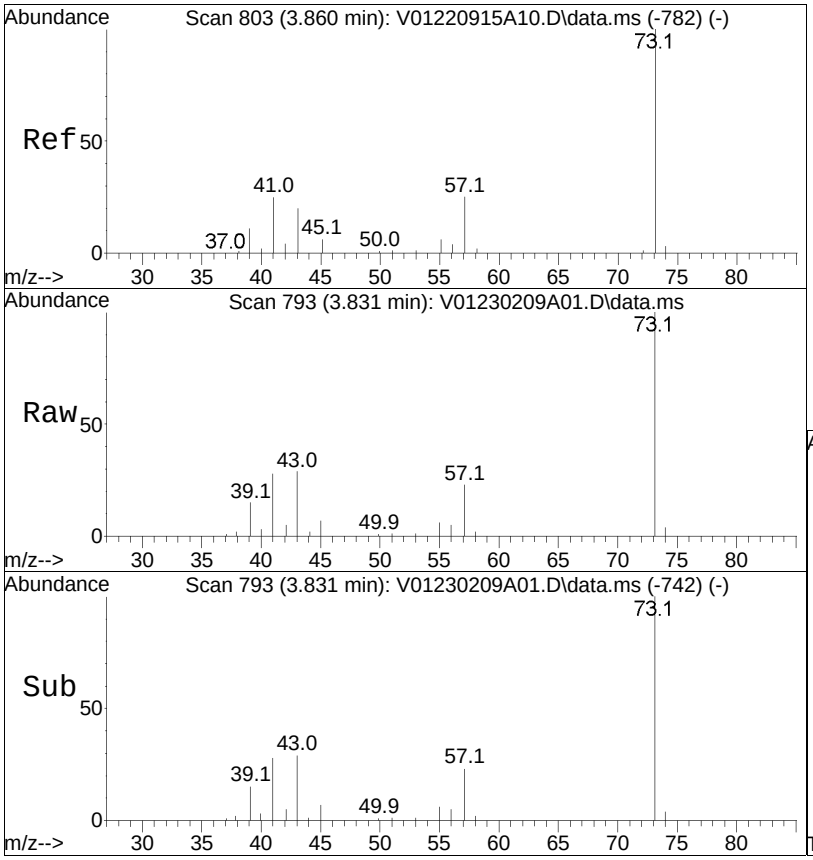


#18
trans-1,2-Dichloroethene
Concen: 9.77 ug/L
RT: 3.737 min Scan# 759
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 96 Resp: 90044

Ion	Ratio	Lower	Upper
96	100		
61	148.7	95.3	197.9
98	62.7	41.0	85.2
63	46.9	30.2	62.6

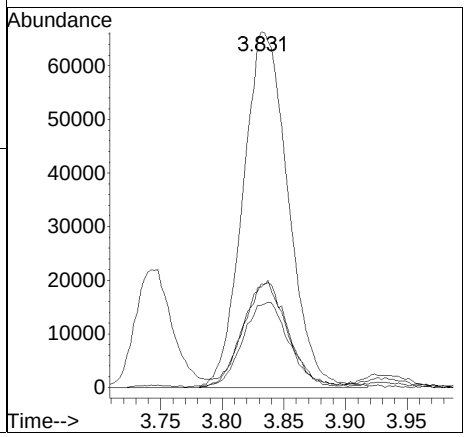


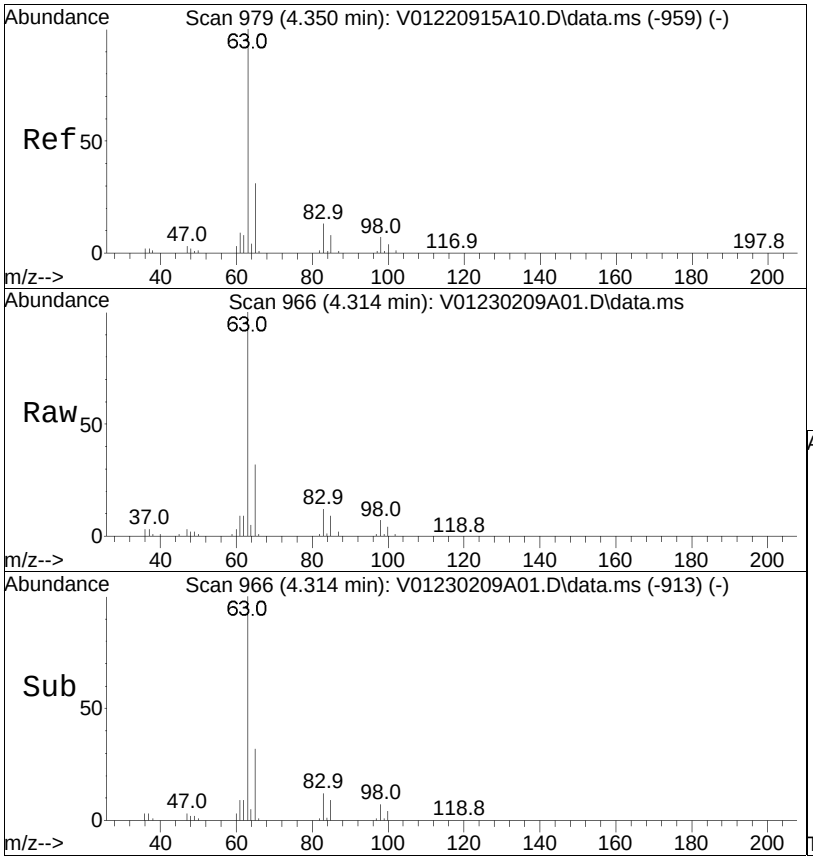


#20
Methyl tert-butyl ether
Concen: 9.98 ug/L
RT: 3.831 min Scan# 793
Delta R.T. -0.009 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 73 Resp: 169147

Ion	Ratio	Lower	Upper
73	100		
57	24.4	14.8	30.6
43	27.7	15.5	32.3
41	28.8	14.1	29.3

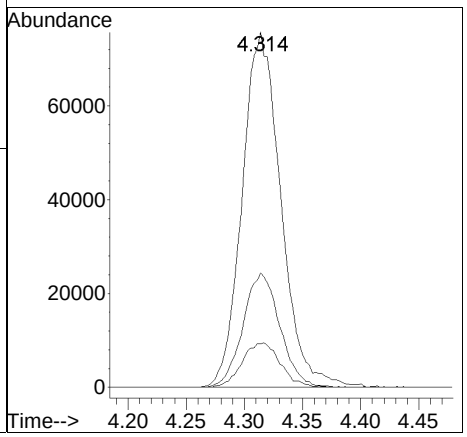


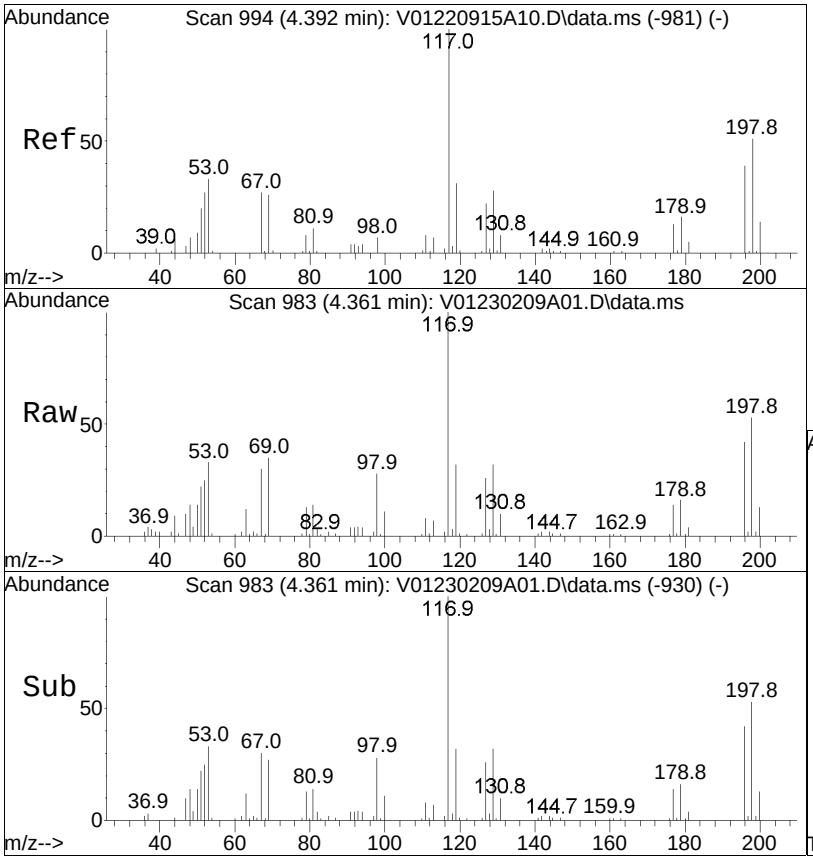


#23
1,1-Dichloroethane
Concen: 10.22 ug/L
RT: 4.314 min Scan# 966
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 63 Resp: 175472

Ion	Ratio	Lower	Upper
63	100		
65	30.7	10.9	50.9
83	12.5	0.0	33.0

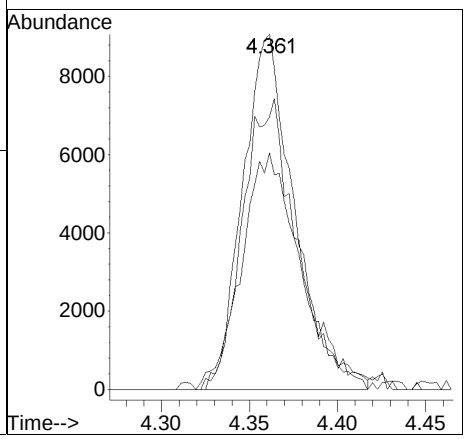


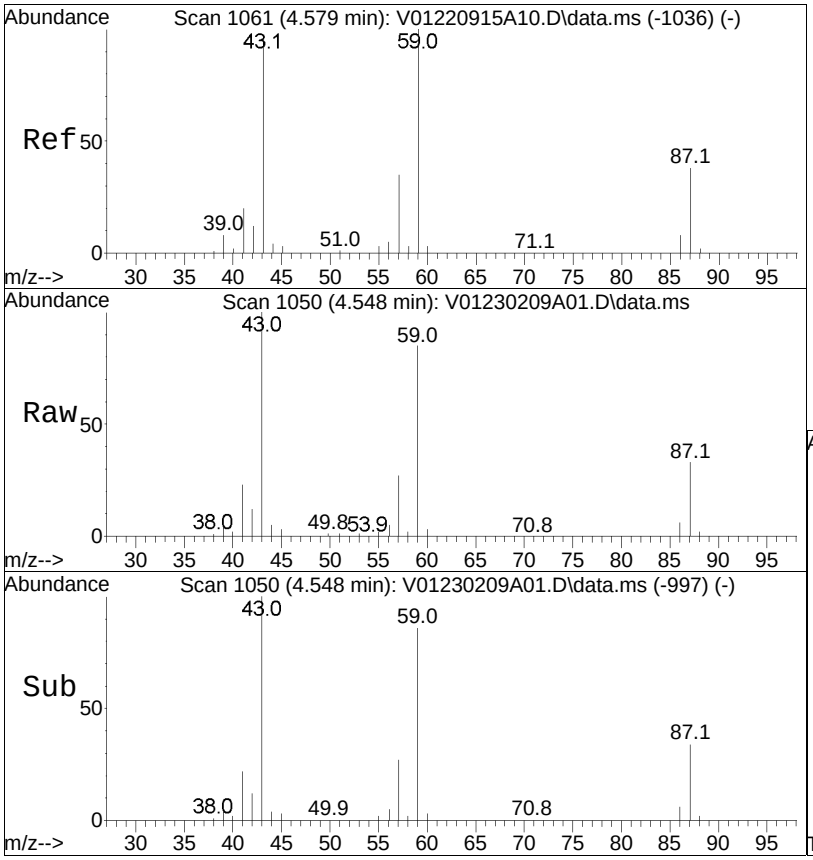


#25
Acrylonitrile
Concen: 10.80 ug/L
RT: 4.361 min Scan# 983
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 53 Resp: 18761

Ion	Ratio	Lower	Upper
53	100		
52	84.7	69.1	103.7
51	75.0	58.3	87.5

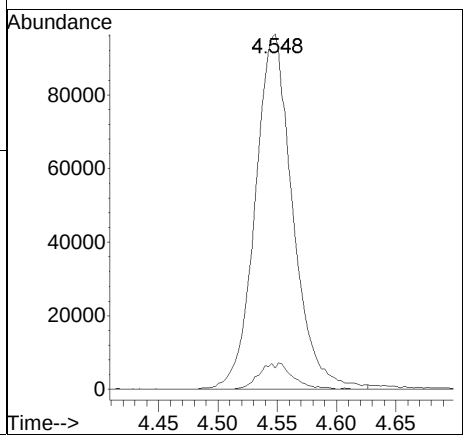


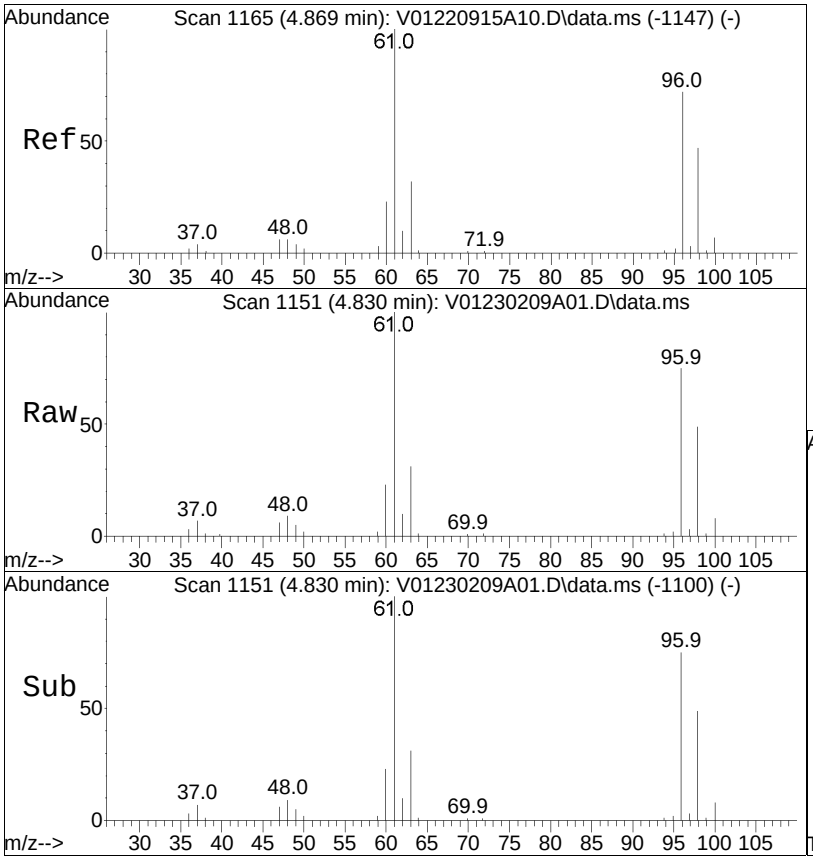


#27
Vinyl acetate
Concen: 12.22 ug/L
RT: 4.548 min Scan# 1050
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 43 Resp: 213000

Ion	Ratio	Lower	Upper
43	100		
86	3.4	6.6	9.8#

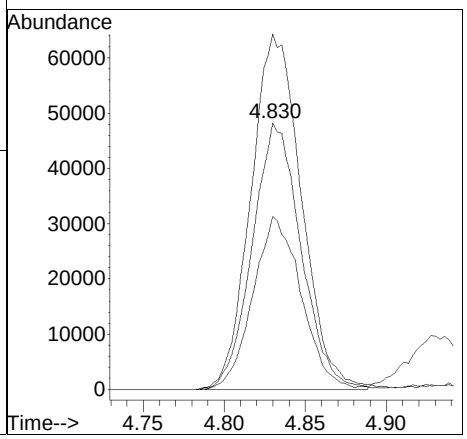


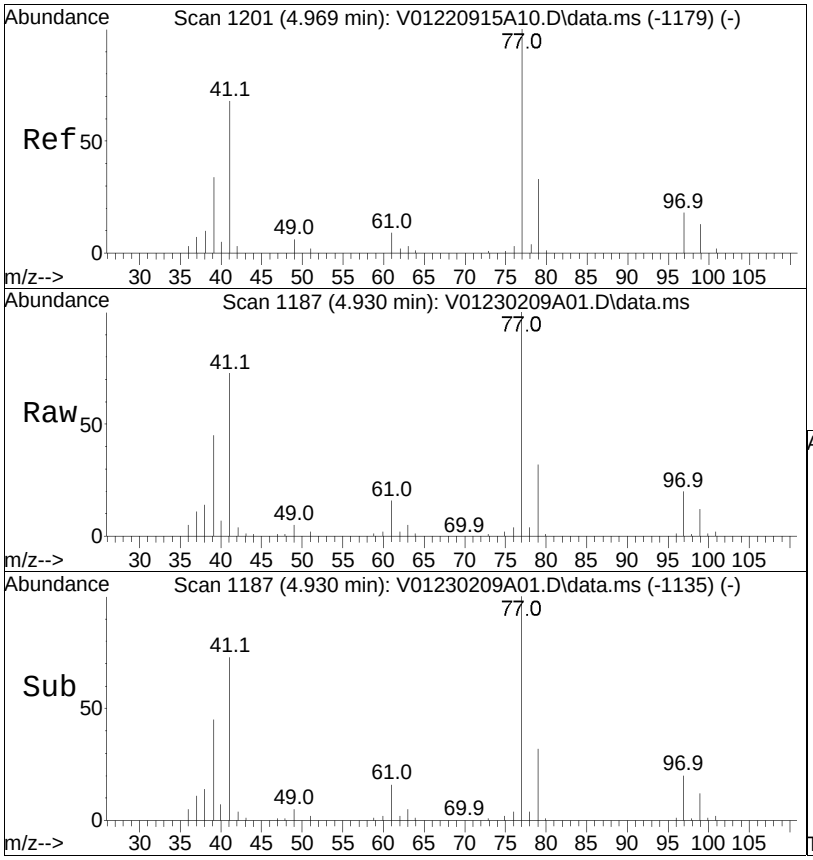


#28
cis-1,2-Dichloroethene
Concen: 9.82 ug/L
RT: 4.830 min Scan# 1151
Delta R.T. -0.008 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 96 Resp: 100500

Ion	Ratio	Lower	Upper
96	100		
61	138.6	105.8	158.6
98	64.6	51.1	76.7

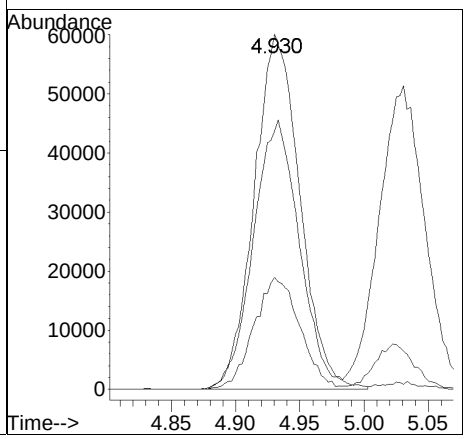


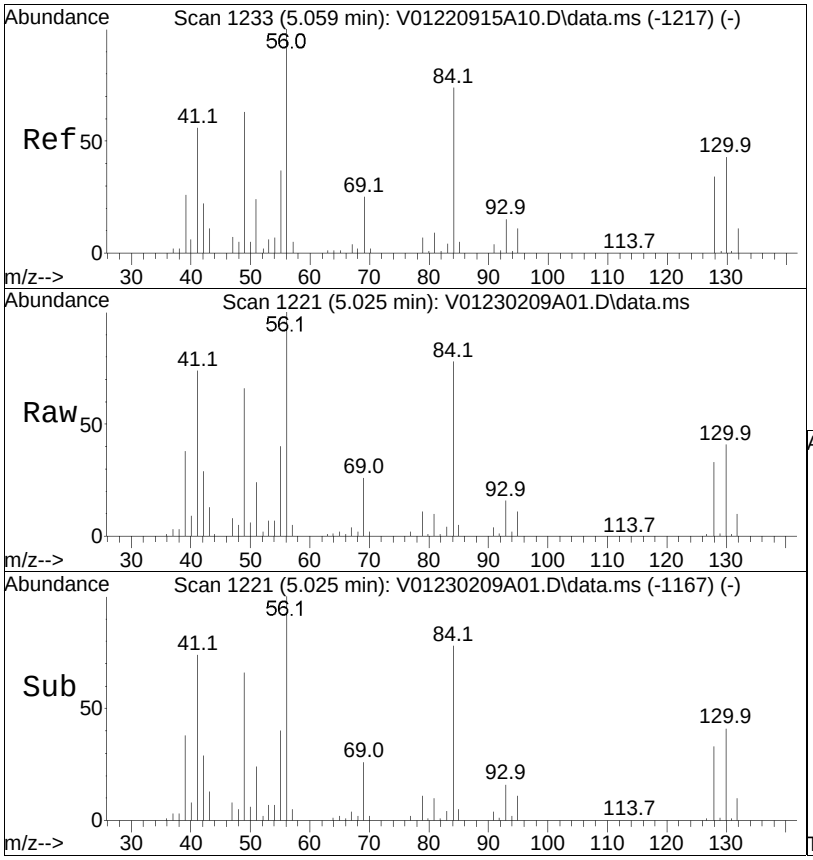


#29
2,2-Dichloropropane
Concen: 11.16 ug/L
RT: 4.930 min Scan# 1187
Delta R.T. -0.006 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 77 Resp: 148659

Ion	Ratio	Lower	Upper
77	100		
41	76.5	39.6	82.3
79	31.8	20.9	43.3

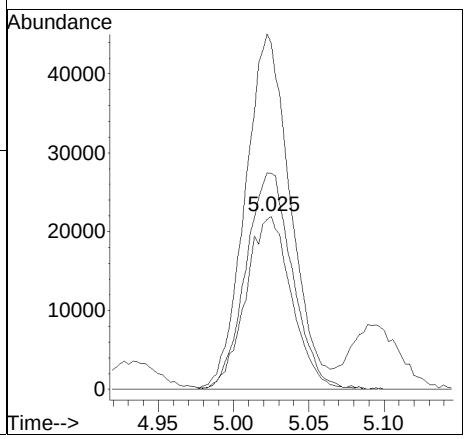


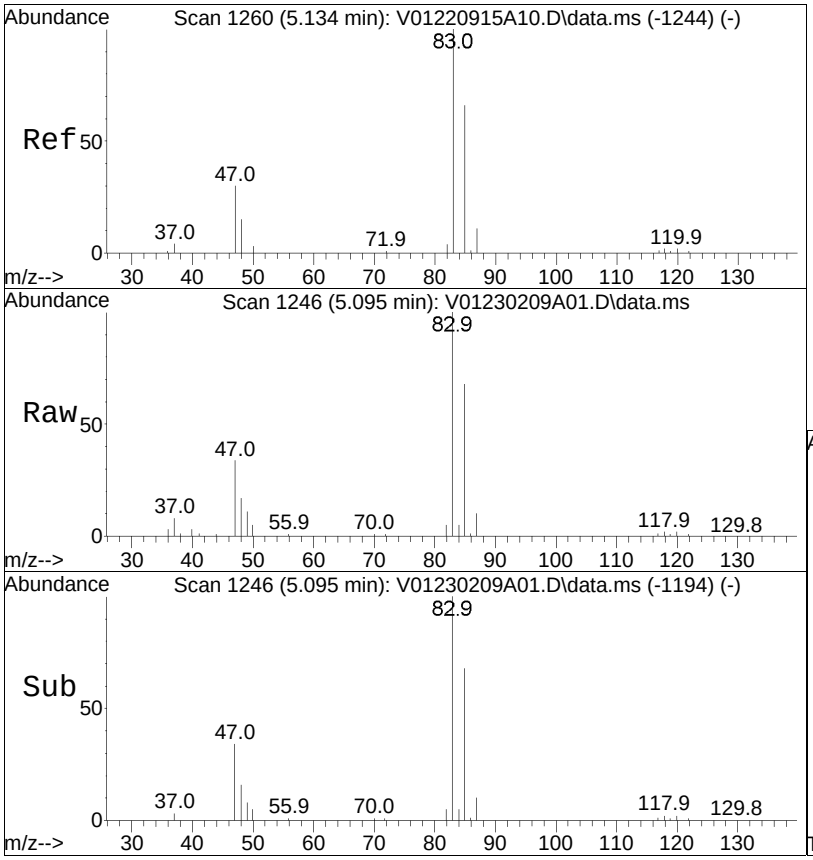


#30
Bromochloromethane
Concen: 9.81 ug/L
RT: 5.025 min Scan# 1221
Delta R.T. 0.000 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:128 Resp: 46852

Ion	Ratio	Lower	Upper
128	100		
49	198.6	140.4	210.6
130	126.5	103.1	154.7

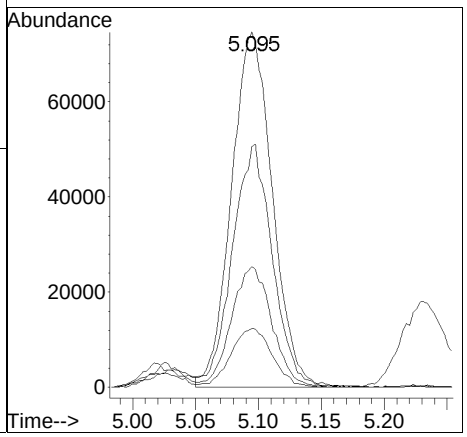


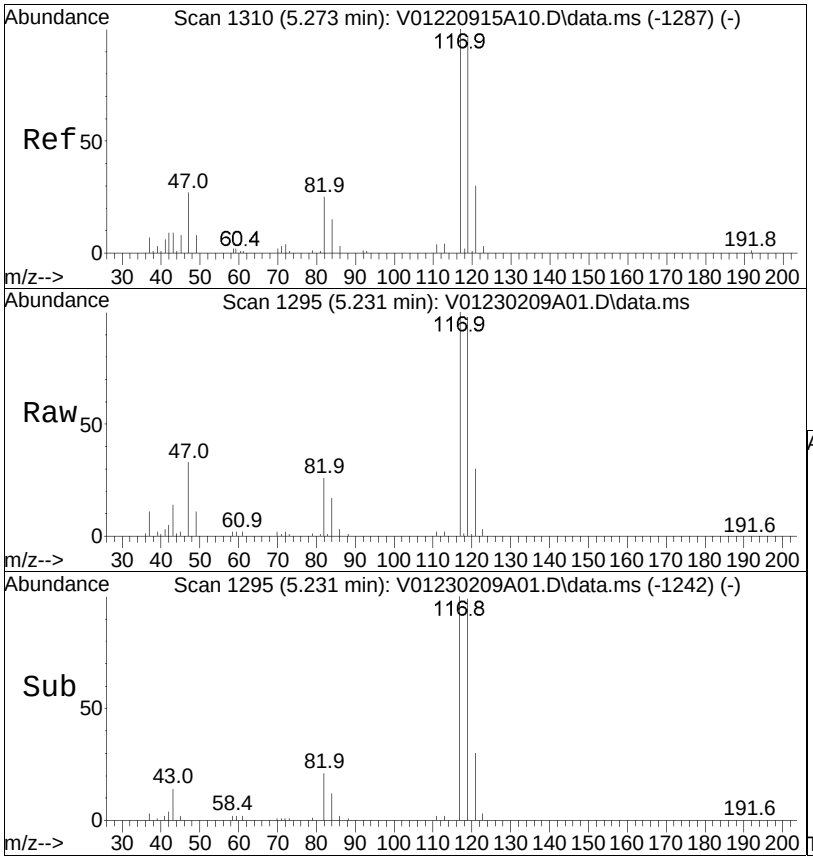


#32
Chloroform
Concen: 10.08 ug/L
RT: 5.095 min Scan# 1246
Delta R.T. -0.005 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 83 Resp: 169456

Ion	Ratio	Lower	Upper
83	100		
85	66.6	42.3	87.8
47	33.7	17.8	37.0
48	16.9	9.3	19.3

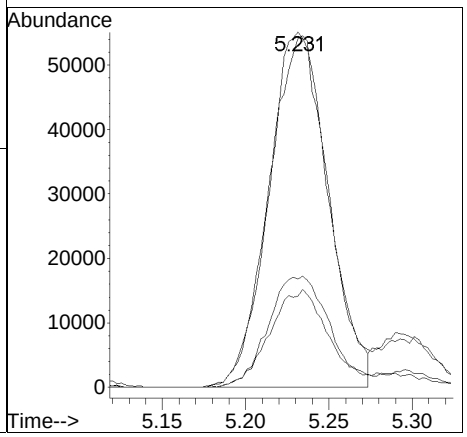


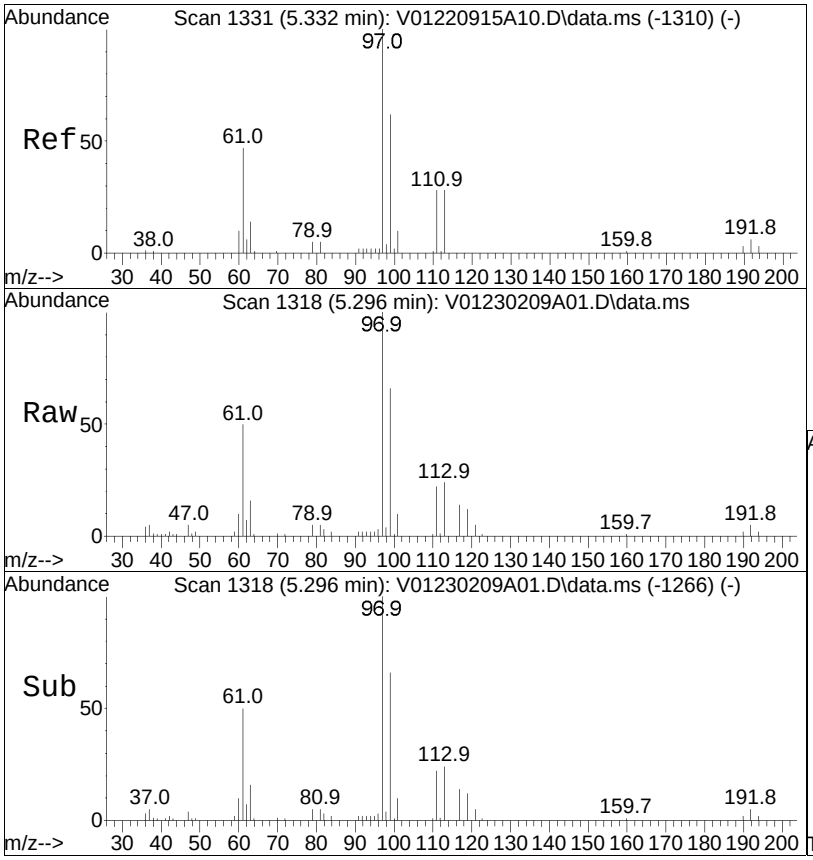


#34
Carbon tetrachloride
Concen: 11.10 ug/L
RT: 5.231 min Scan# 1295
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:117 Resp: 138887

Ion	Ratio	Lower	Upper
117	100		
119	97.2	62.1	128.9
121	31.9	19.8	41.0
82	27.2	17.1	35.5

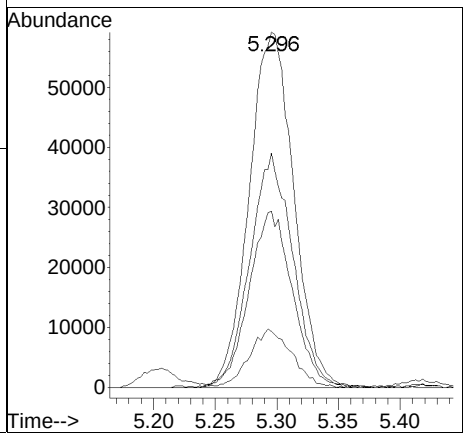


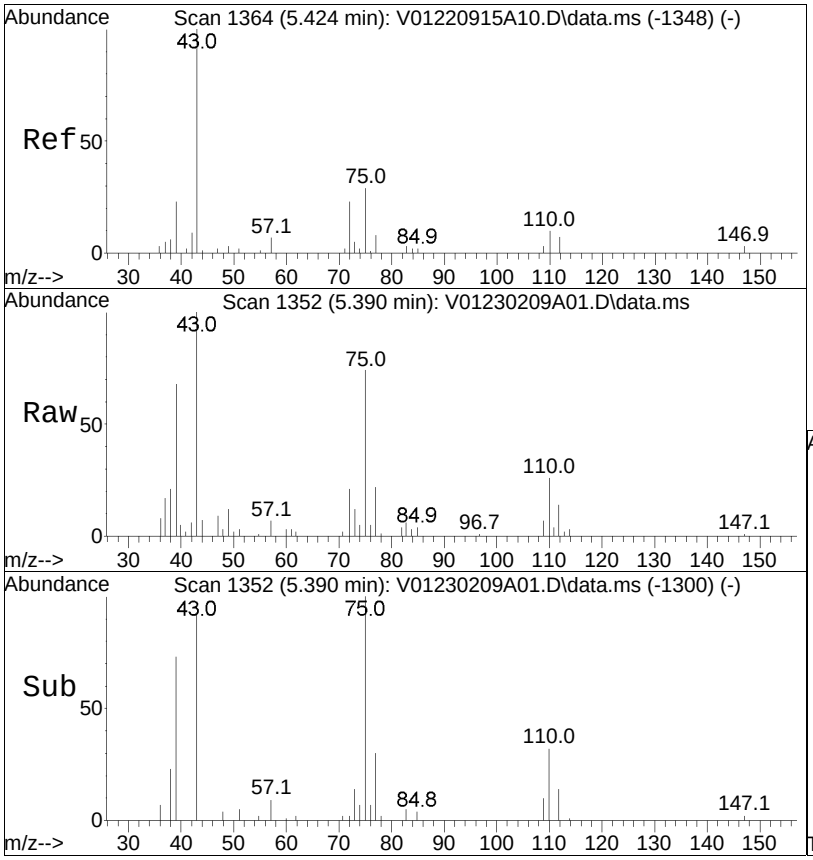


#37
1,1,1-Trichloroethane
Concen: 10.58 ug/L
RT: 5.296 min Scan# 1318
Delta R.T. -0.005 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 97 Resp: 149336

Ion	Ratio	Lower	Upper
97	100		
99	63.3	41.7	86.7
61	48.3	29.4	61.2
63	15.8	9.4	19.4

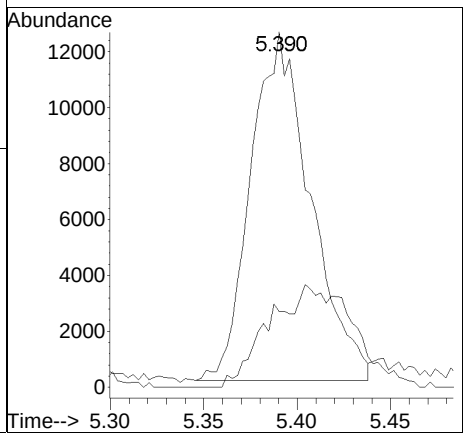


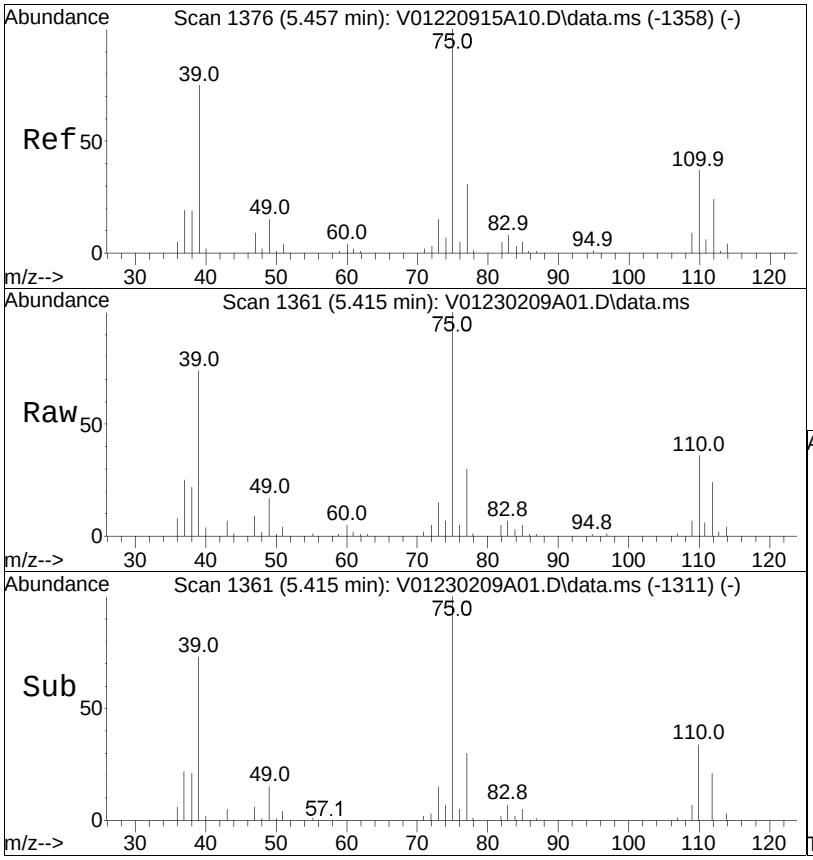


#39
2-Butanone
Concen: 11.72 ug/L
RT: 5.390 min Scan# 1352
Delta R.T. -0.006 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 43 Resp: 27674

Ion	Ratio	Lower	Upper
43	100		
72	13.3	45.8	68.6#

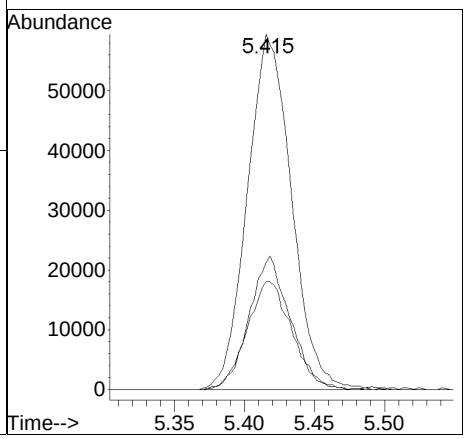


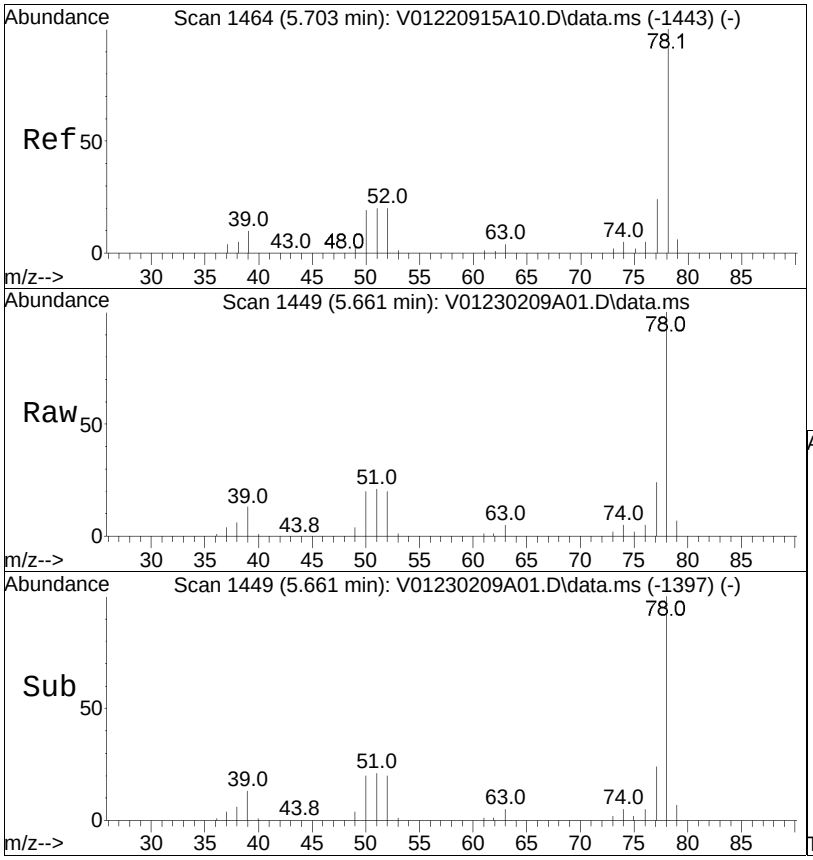


#40
1,1-Dichloropropene
Concen: 10.43 ug/L
RT: 5.415 min Scan# 1361
Delta R.T. -0.012 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 75 Resp: 130215

Ion	Ratio	Lower	Upper
75	100		
110	35.1	22.2	46.2
77	30.5	20.2	42.0

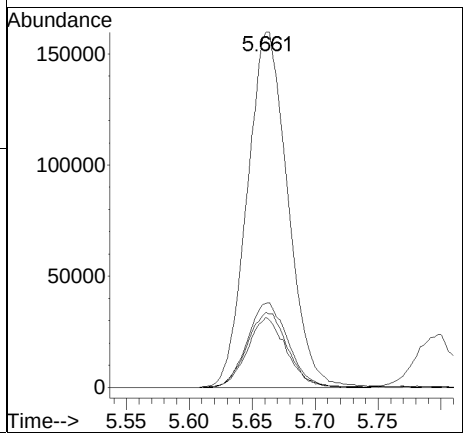


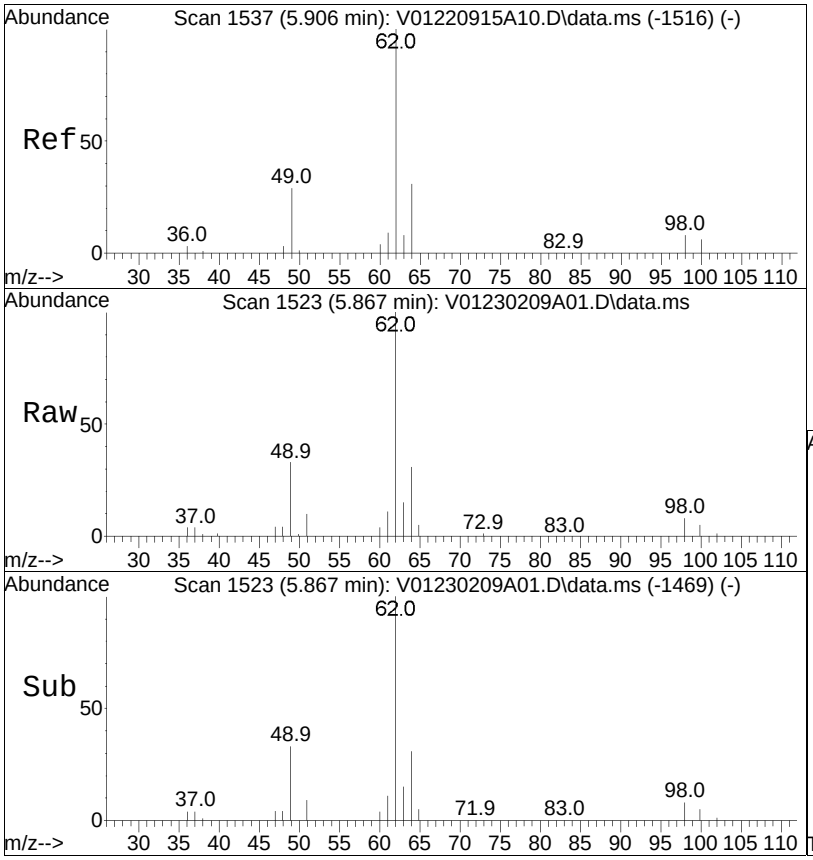


#41
Benzene
Concen: 9.25 ug/L
RT: 5.661 min Scan# 1449
Delta R.T. -0.006 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 78 Resp: 357962

Ion	Ratio	Lower	Upper
78	100		
77	24.0	15.7	32.5
51	21.2	11.6	24.2
52	18.9	10.9	22.5

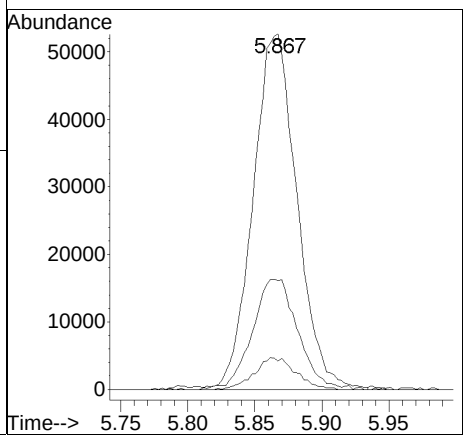


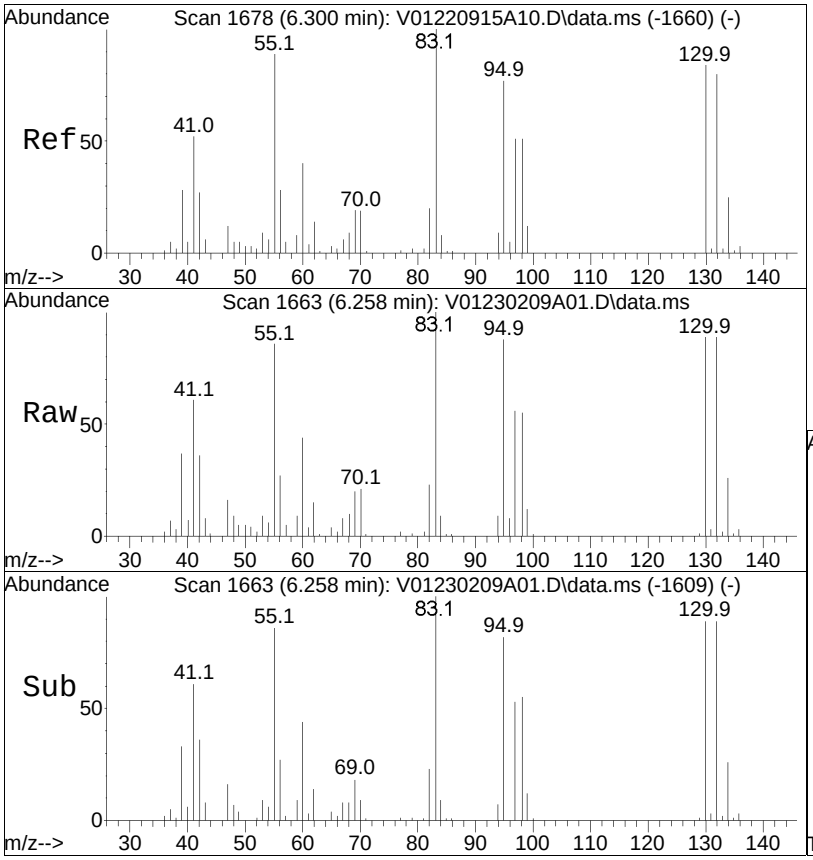


#44
1,2-Dichloroethane
Concen: 10.36 ug/L
RT: 5.867 min Scan# 1523
Delta R.T. 0.000 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 62 Resp: 120033

Ion	Ratio	Lower	Upper
62	100		
64	32.1	12.1	52.1
98	8.4	0.0	28.8

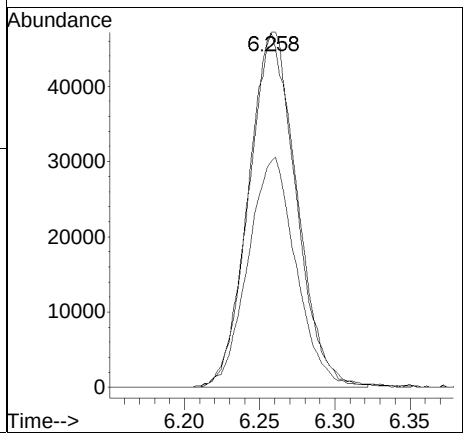


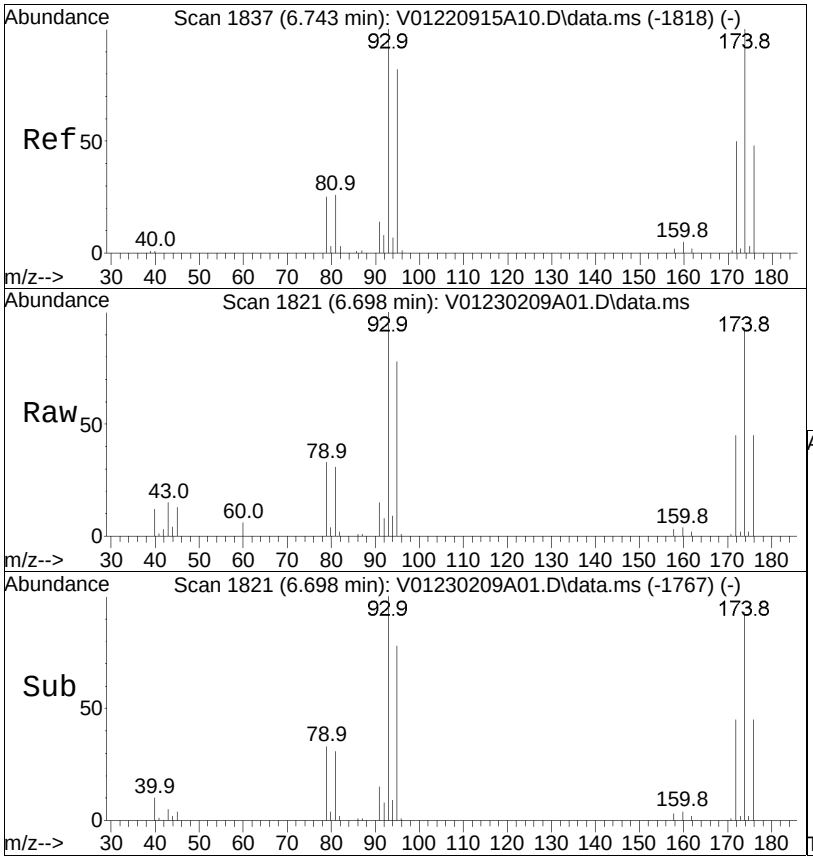


#48
Trichloroethene
Concen: 9.77 ug/L
RT: 6.258 min Scan# 1663
Delta R.T. -0.000 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 95 Resp: 103495

Ion	Ratio	Lower	Upper
95	100		
97	66.0	54.4	81.6
130	101.9	80.6	120.8

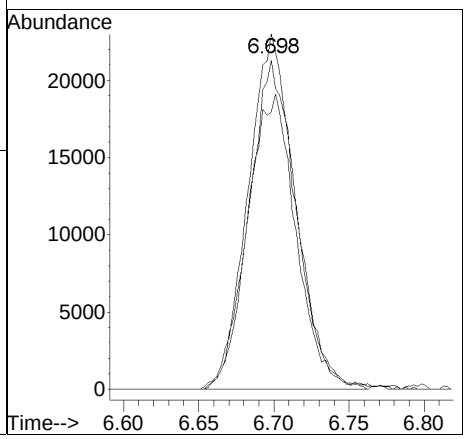


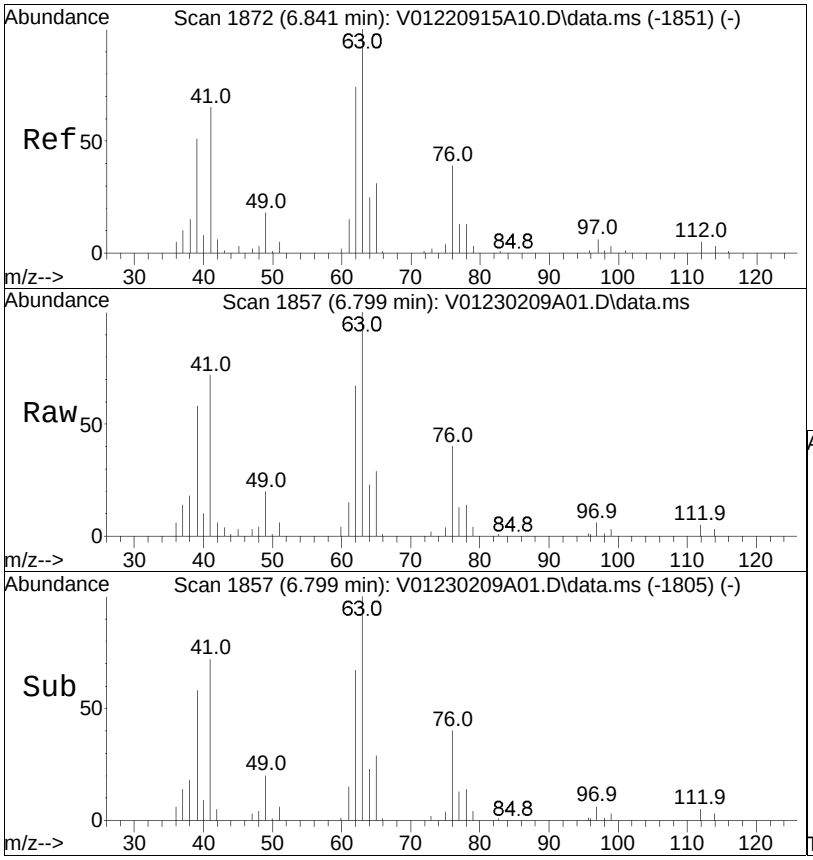


#50
Dibromomethane
Concen: 9.80 ug/L
RT: 6.698 min Scan# 1821
Delta R.T. 0.000 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 93 Resp: 50391

Ion	Ratio	Lower	Upper
93	100		
95	85.9	68.6	102.8
174	92.9	80.5	120.7

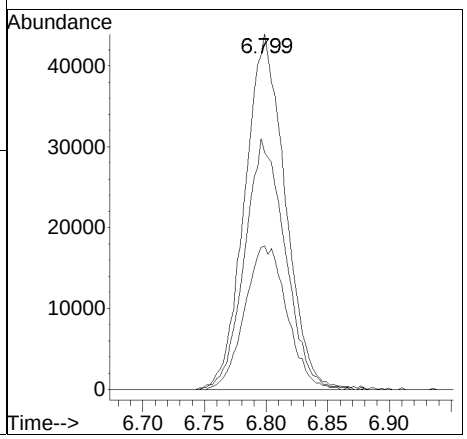


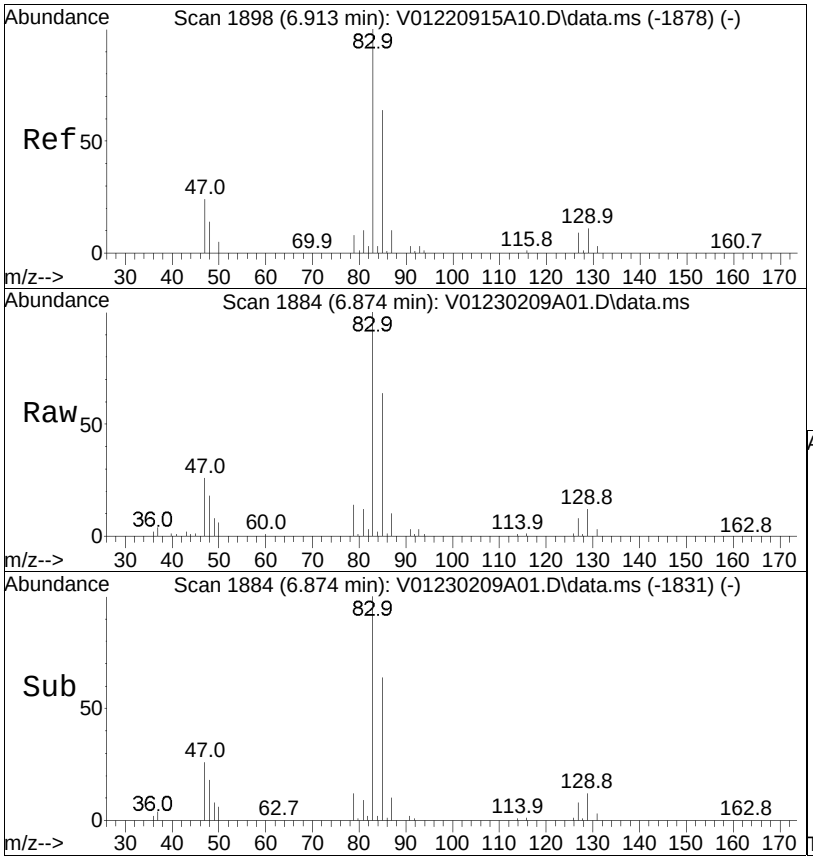


#51
1,2-Dichloropropane
Concen: 10.73 ug/L
RT: 6.799 min Scan# 1857
Delta R.T. -0.005 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 63 Resp: 100377

Ion	Ratio	Lower	Upper
63	100		
62	70.7	57.2	85.8
76	42.1	33.6	50.4

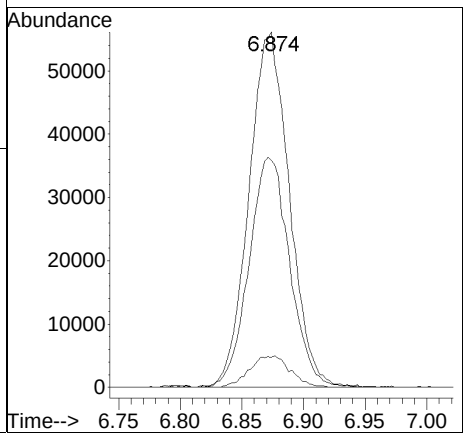


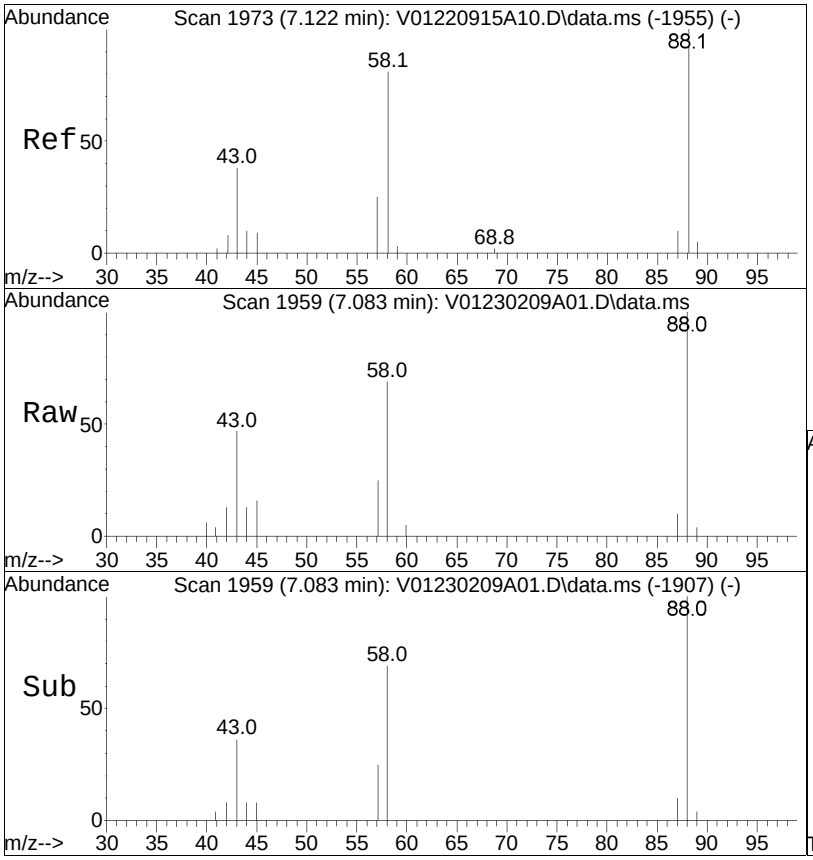


#54
Bromodichloromethane
Concen: 11.02 ug/L
RT: 6.874 min Scan# 1884
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 83 Resp: 128101

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.2	78.4
127	9.0	6.9	10.3

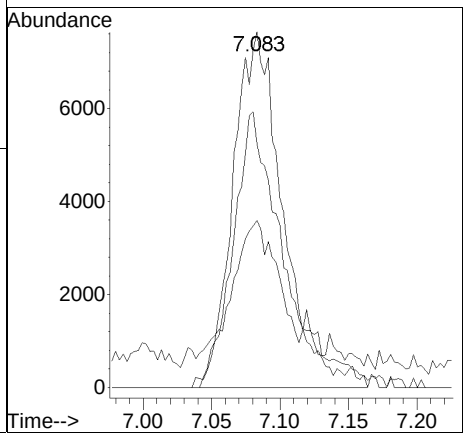


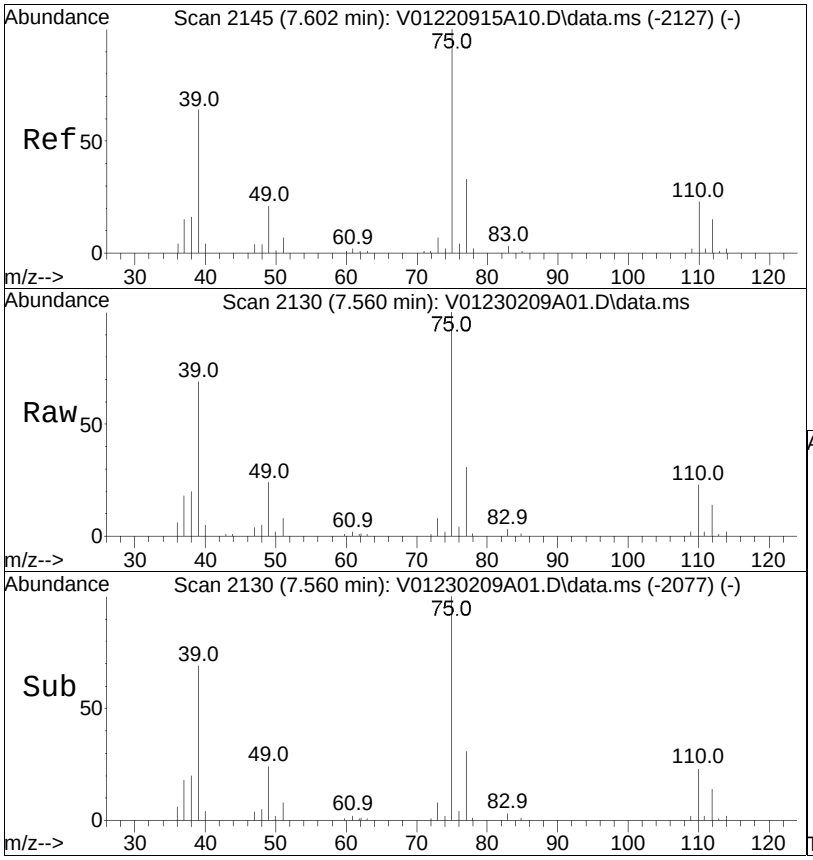


#57
1,4-Dioxane
Concen: 407.02 ug/L
RT: 7.083 min Scan# 1959
Delta R.T. -0.006 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 88 Resp: 19821

Ion	Ratio	Lower	Upper
88	100		
58	72.2	54.8	82.2
43	36.5	29.3	43.9

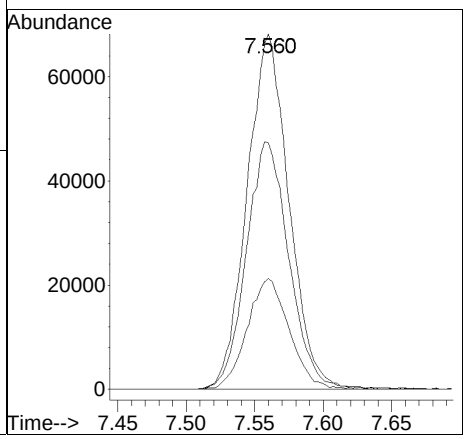


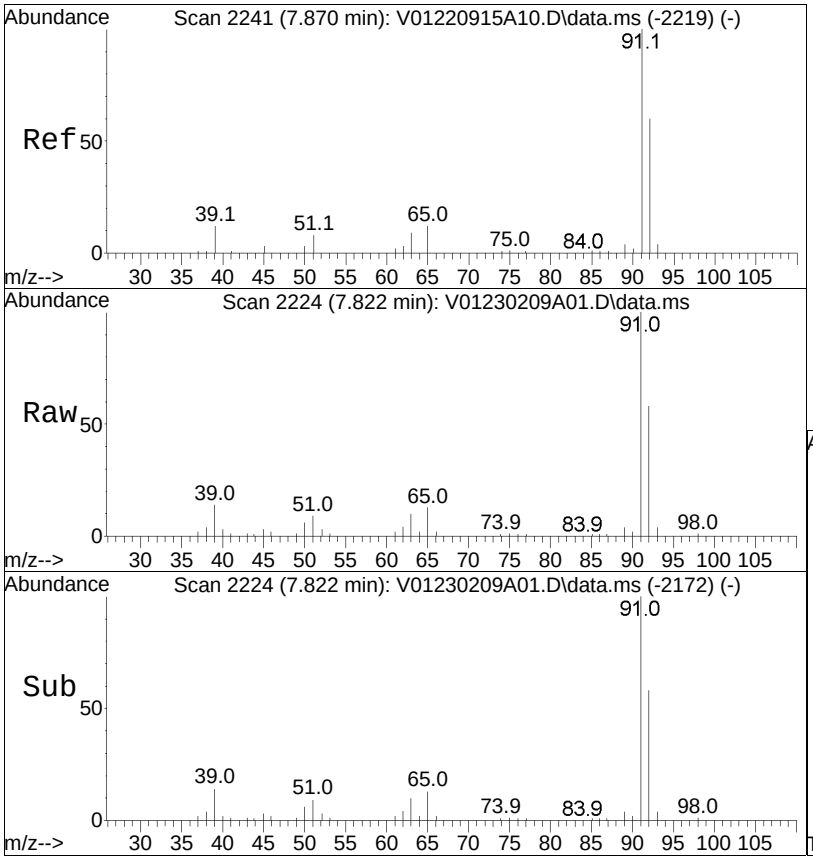


#58
cis-1,3-Dichloropropene
Concen: 10.74 ug/L
RT: 7.560 min Scan# 2130
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 75 Resp: 145101

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	71.0	42.6	63.8#

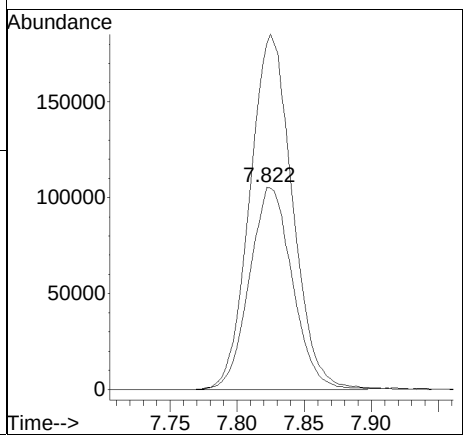


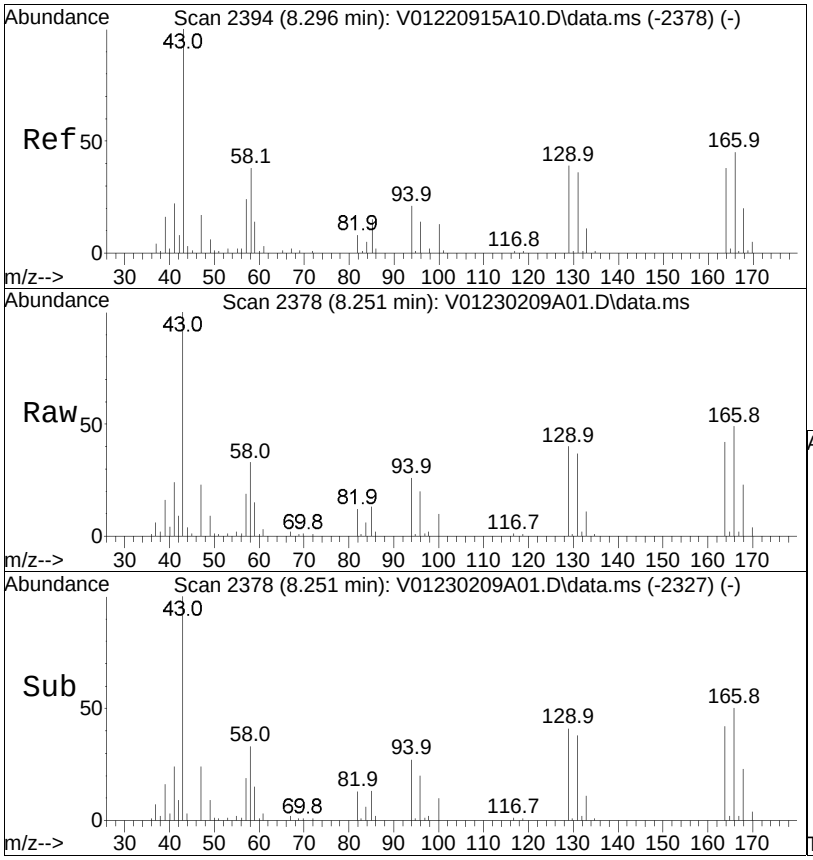


#61
Toluene
Concen: 9.77 ug/L
RT: 7.822 min Scan# 2224
Delta R.T. -0.006 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 92 Resp: 234461

Ion	Ratio	Lower	Upper
92	100		
91	174.6	137.5	206.3

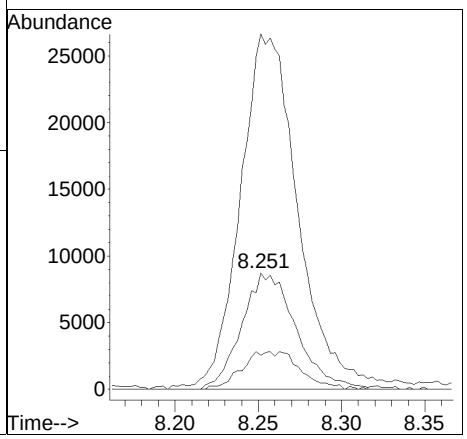


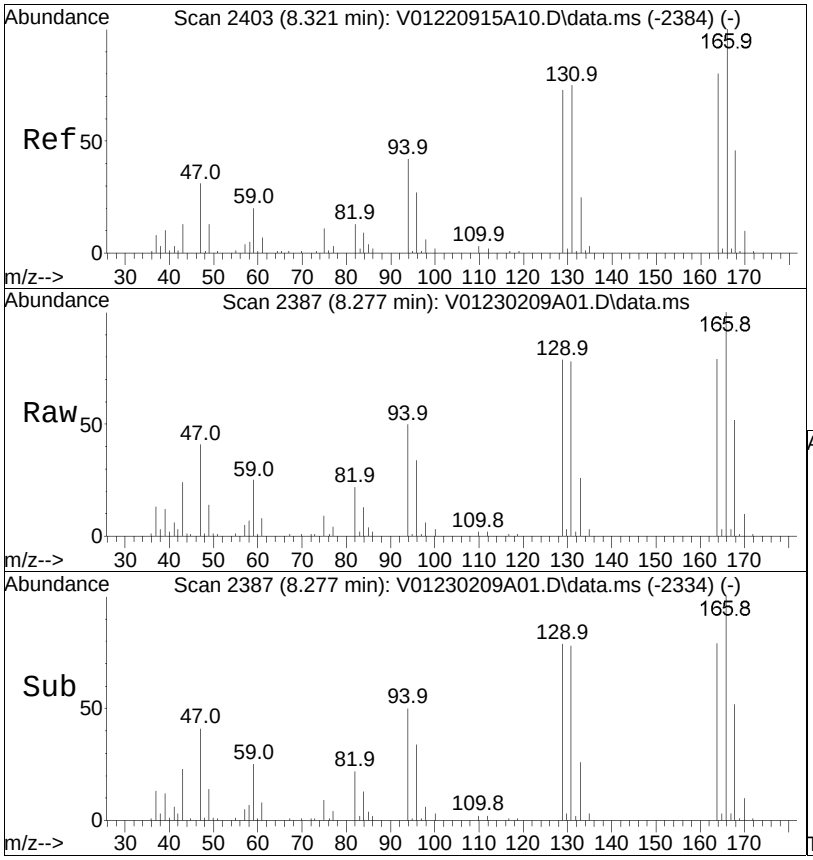


#62
4-Methyl-2-pentanone
Concen: 10.08 ug/L
RT: 8.251 min Scan# 2378
Delta R.T. -0.009 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 58 Resp: 19844

Ion	Ratio	Lower	Upper
58	100		
100	19.9	31.8	47.6#
43	324.6	212.5	318.7#

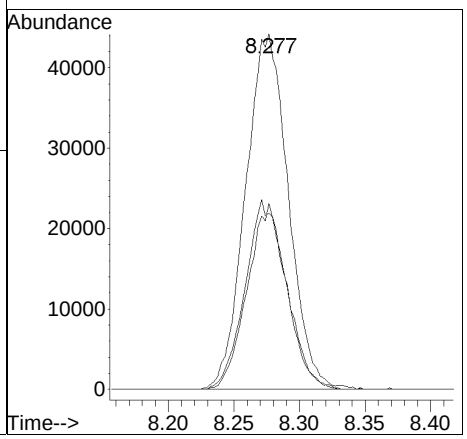


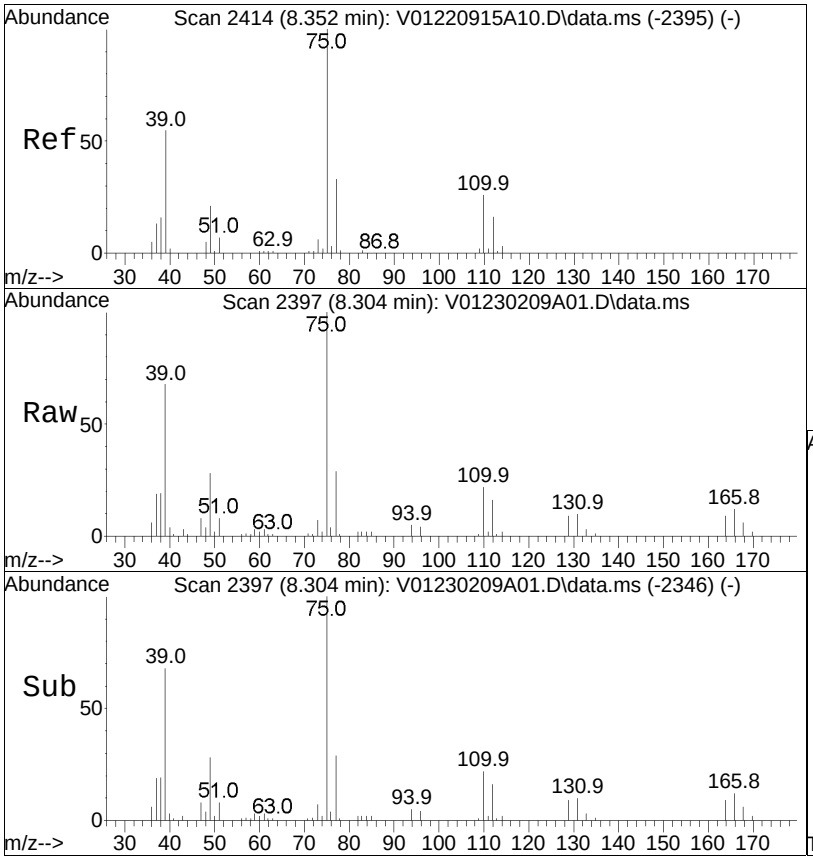


#63
Tetrachloroethene
Concen: 9.72 ug/L
RT: 8.277 min Scan# 2387
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:166 Resp: 100535

Ion	Ratio	Lower	Upper
166	100		
168	48.6	27.4	67.4
94	50.7	24.8	64.8

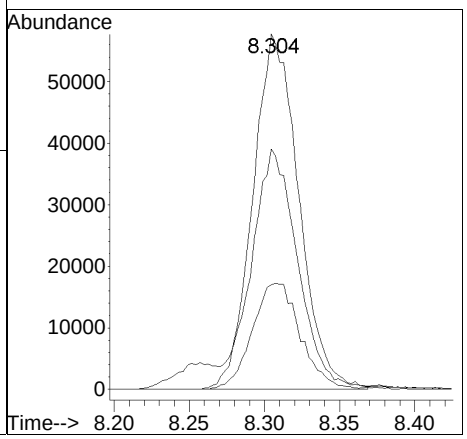


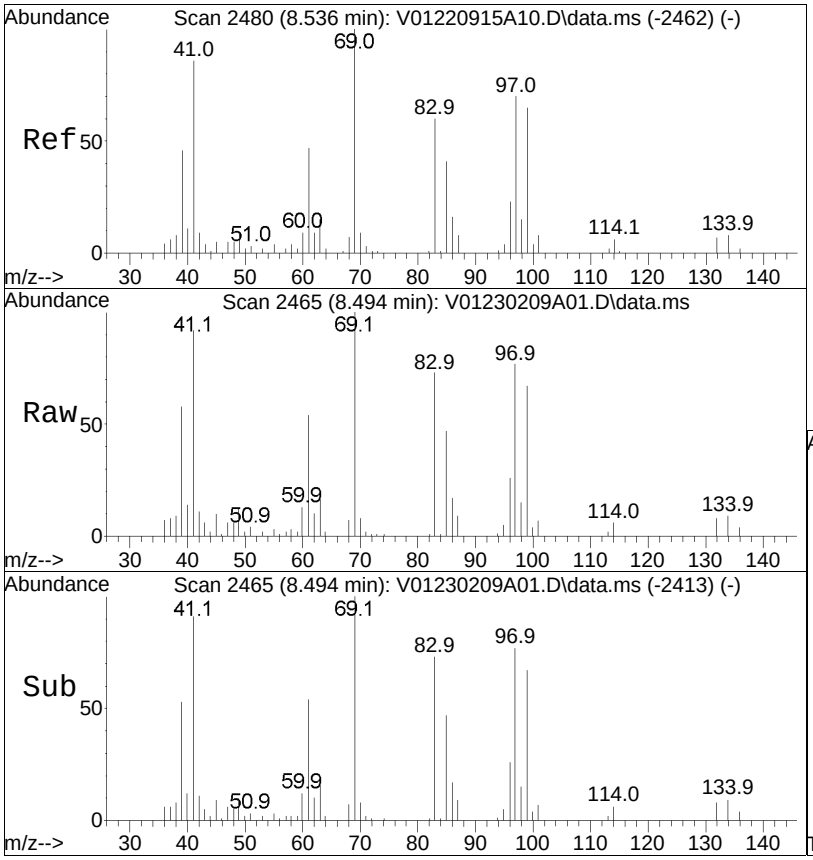


#65
trans-1,3-Dichloropropene
Concen: 10.81 ug/L
RT: 8.304 min Scan# 2397
Delta R.T. -0.009 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 75 Resp: 122905

Ion	Ratio	Lower	Upper
75	100		
77	31.2	11.8	51.8
39	66.4	30.2	70.2

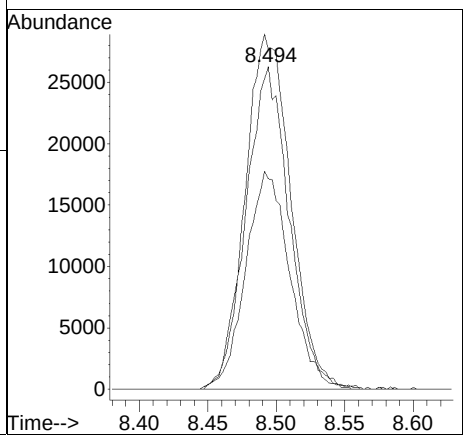


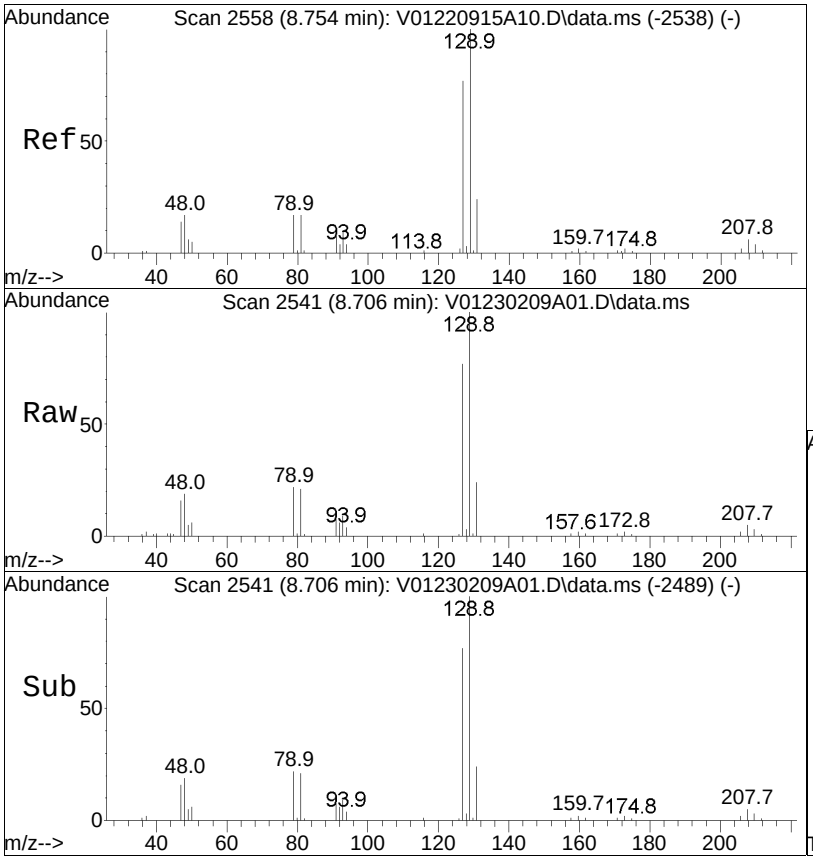


#68
1,1,2-Trichloroethane
Concen: 10.10 ug/L
RT: 8.494 min Scan# 2465
Delta R.T. -0.006 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 83 Resp: 57901

Ion	Ratio	Lower	Upper
83	100		
97	116.5	96.7	136.7
85	69.1	45.3	85.3

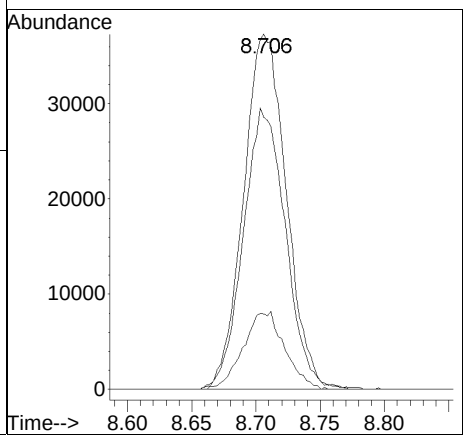


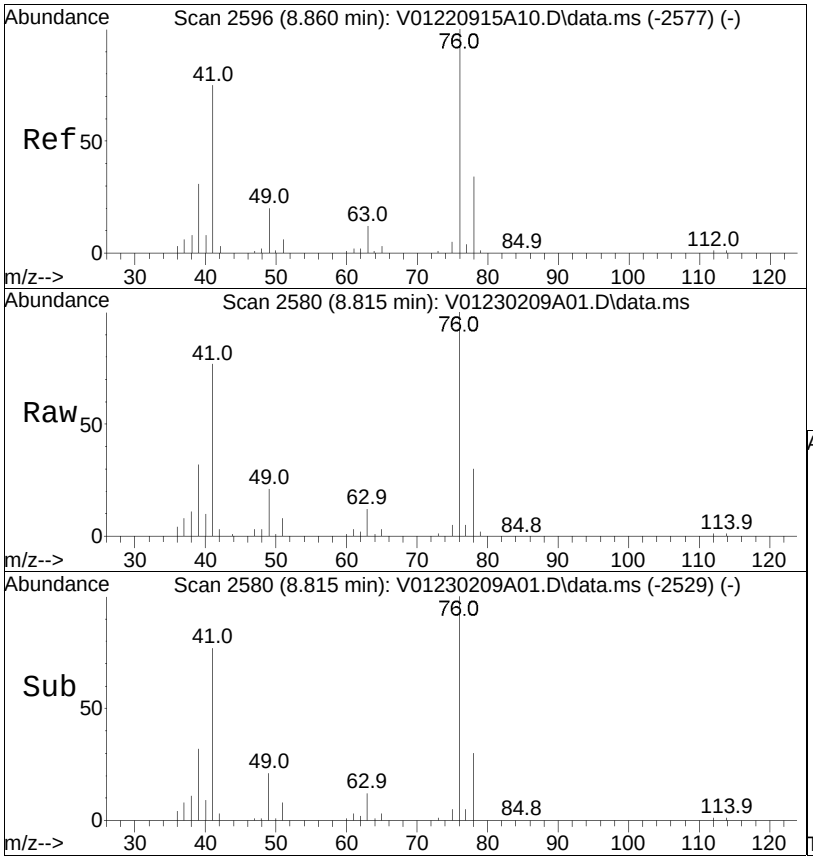


#69
Chlorodibromomethane
Concen: 11.20 ug/L
RT: 8.706 min Scan# 2541
Delta R.T. -0.006 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:129 Resp: 86833

Ion	Ratio	Lower	Upper
129	100		
81	21.1	0.0	37.9
127	77.6	56.6	96.6

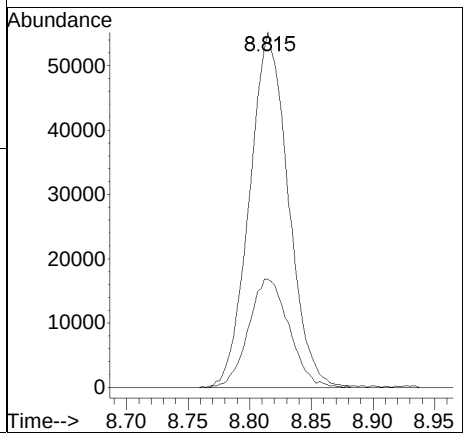


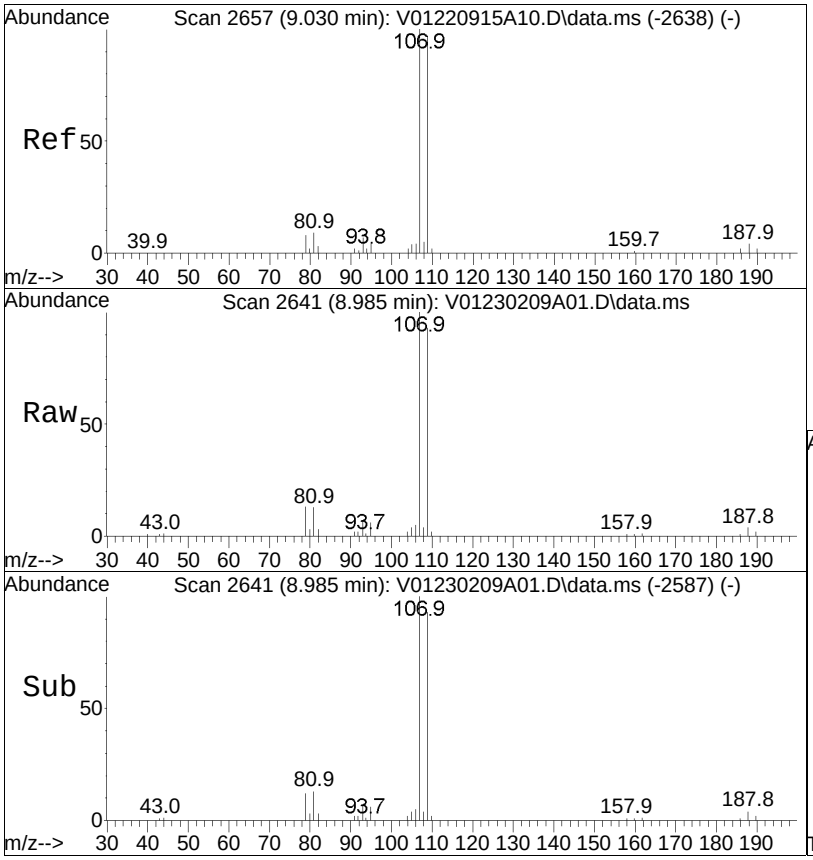


#70
1,3-Dichloropropane
Concen: 10.36 ug/L
RT: 8.815 min Scan# 2580
Delta R.T. -0.008 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 76 Resp: 120950

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.8

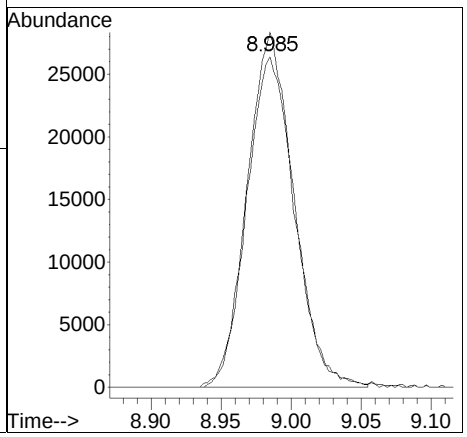


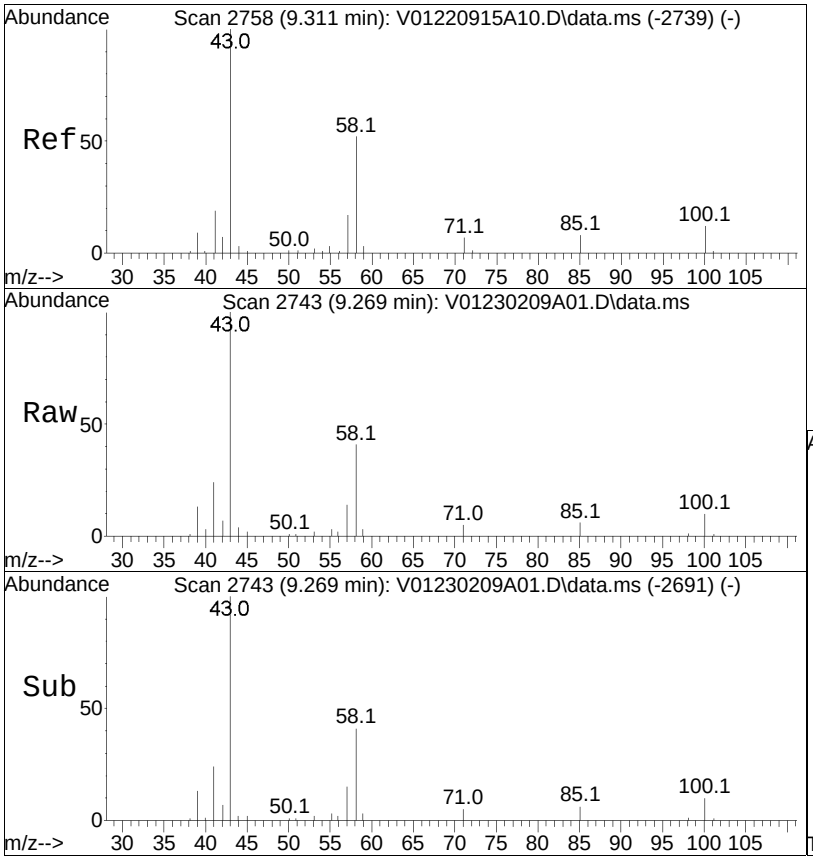


#71
1,2-Dibromoethane
Concen: 9.94 ug/L
RT: 8.985 min Scan# 2641
Delta R.T. -0.000 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:107 Resp: 65955

Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.6	113.4

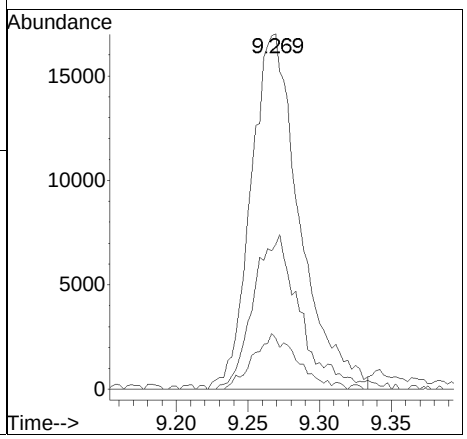


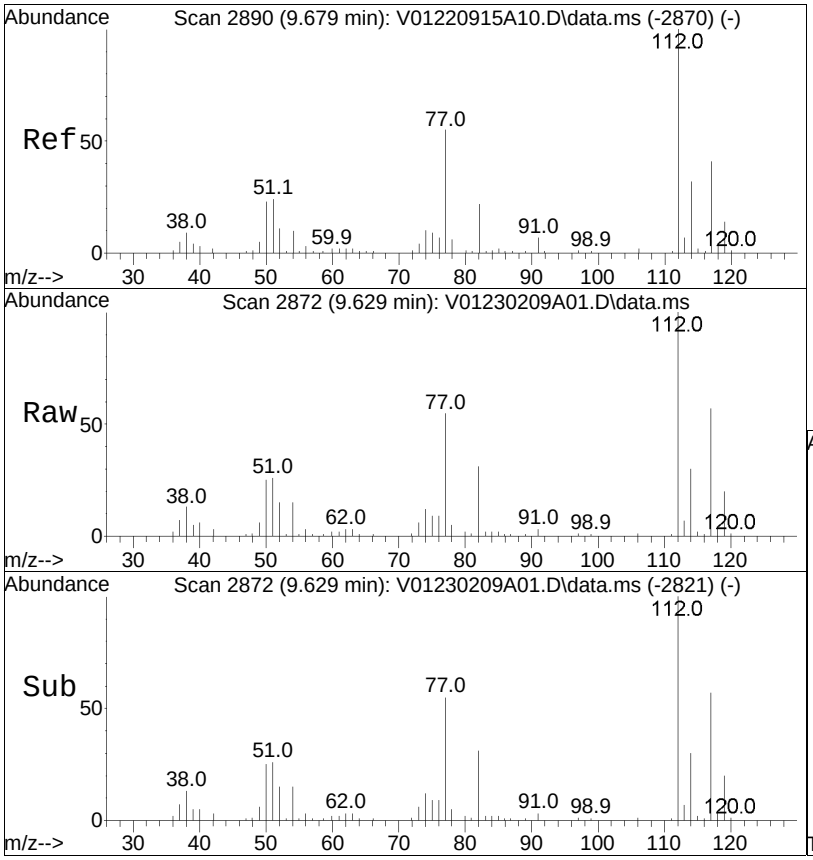


#72
2-Hexanone
Concen: 11.14 ug/L
RT: 9.269 min Scan# 2743
Delta R.T. -0.006 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 43 Resp: 40436

Ion	Ratio	Lower	Upper
43	100		
58	41.6	40.8	61.2
57	13.9	14.2	21.4#

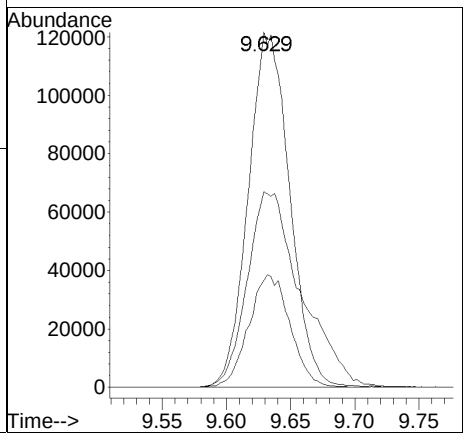


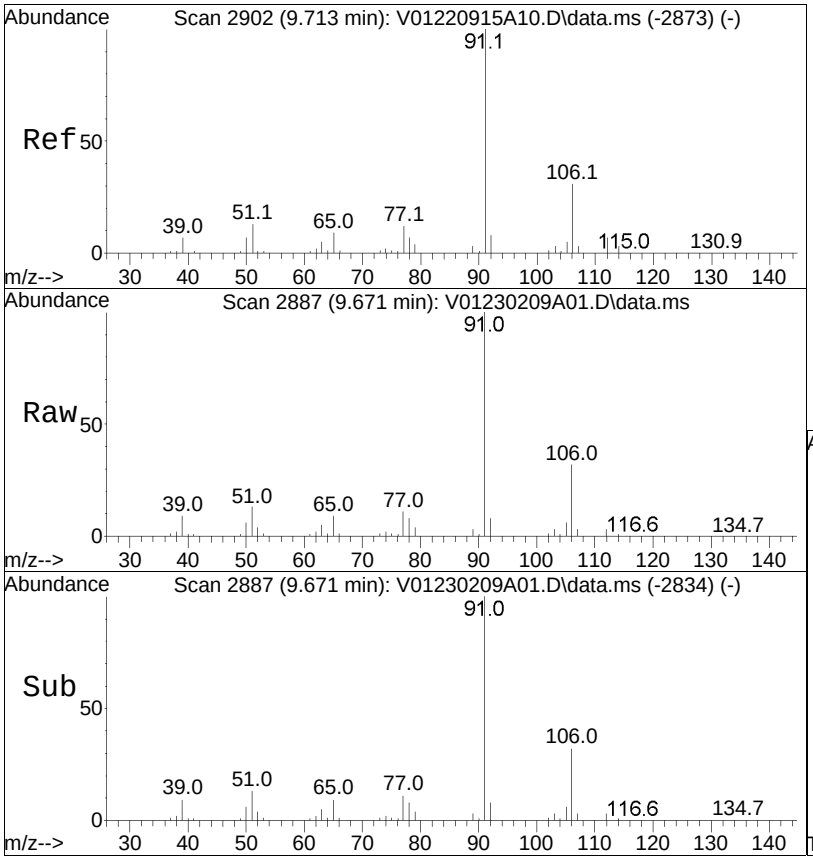


#73
Chlorobenzene
Concen: 9.76 ug/L
RT: 9.629 min Scan# 2872
Delta R.T. -0.009 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:112 Resp: 272850

Ion	Ratio	Lower	Upper
112	100		
77	71.9	59.8	89.6
114	31.7	25.4	38.2

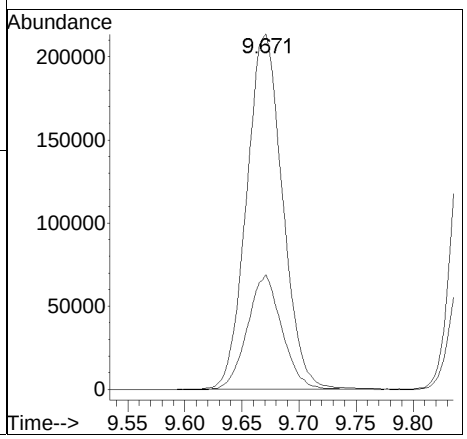


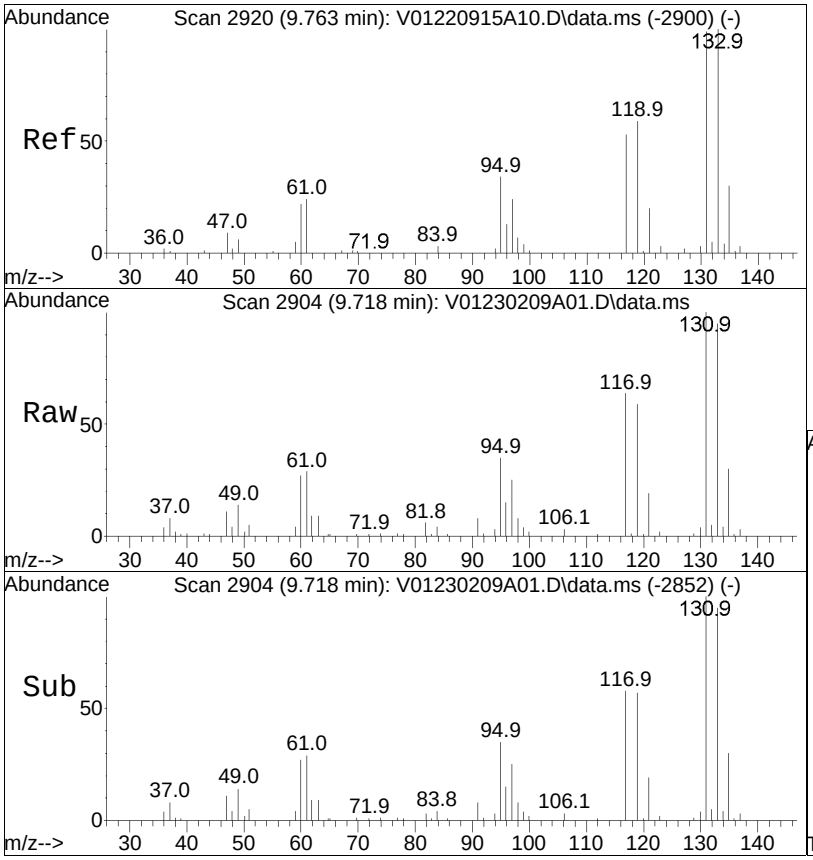


#74
Ethylbenzene
Concen: 9.78 ug/L
RT: 9.671 min Scan# 2887
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 91 Resp: 466757

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.7	37.1

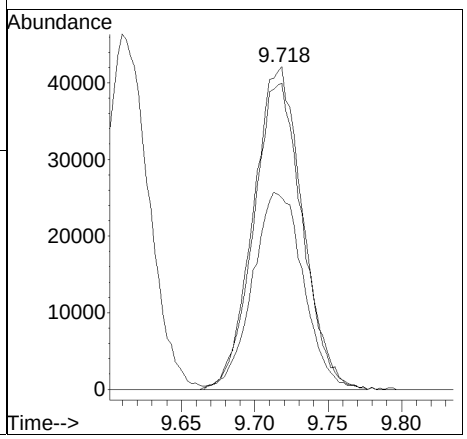


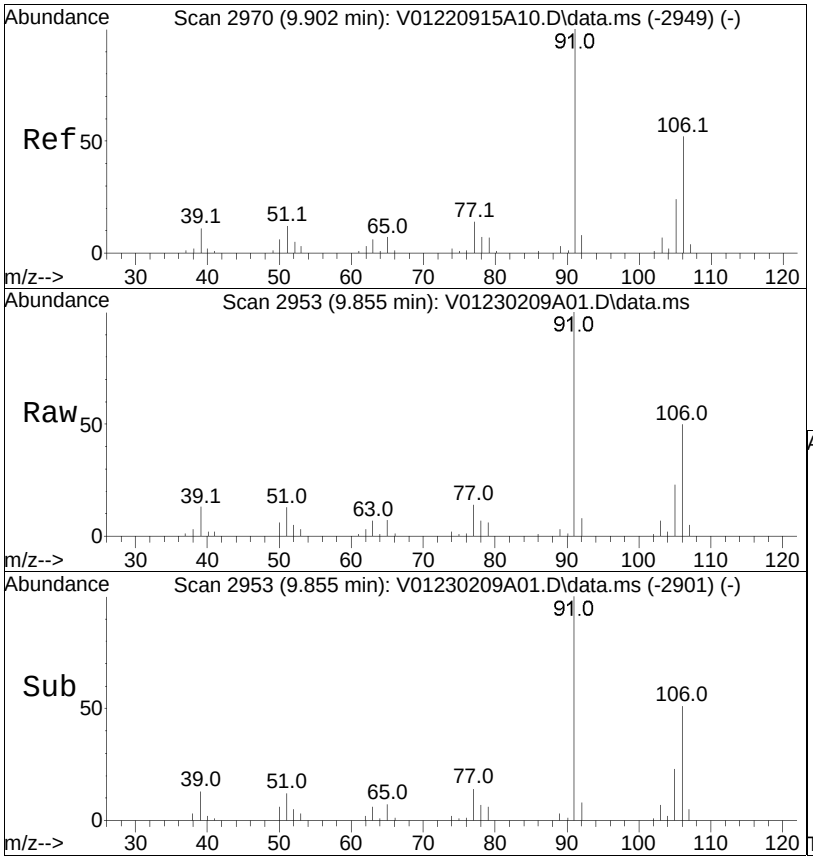


#75
1,1,1,2-Tetrachloroethane
Concen: 10.90 ug/L
RT: 9.718 min Scan# 2904
Delta R.T. -0.006 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:131 Resp: 98197

Ion	Ratio	Lower	Upper
131	100		
133	94.2	75.8	115.8
119	63.2	45.8	85.8

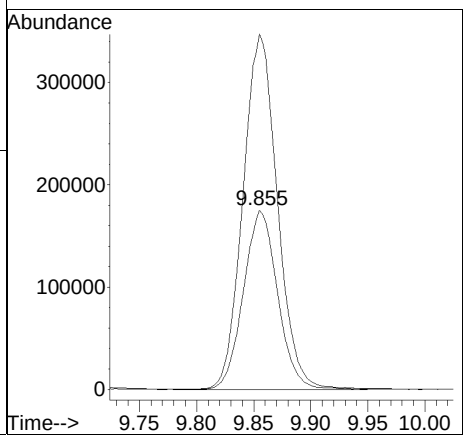


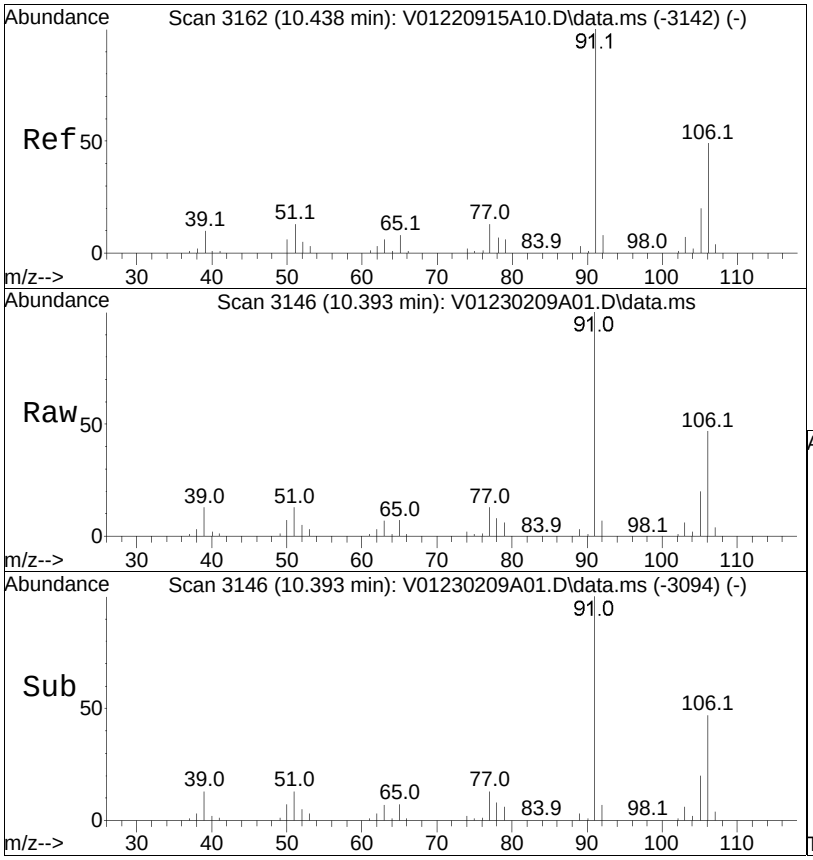


#76
p/m Xylene
Concen: 19.59 ug/L
RT: 9.855 min Scan# 2953
Delta R.T. -0.006 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:106 Resp: 365056

Ion	Ratio	Lower	Upper
106	100		
91	198.8	162.9	244.3

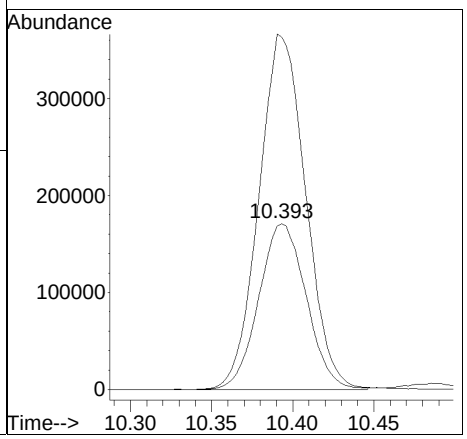


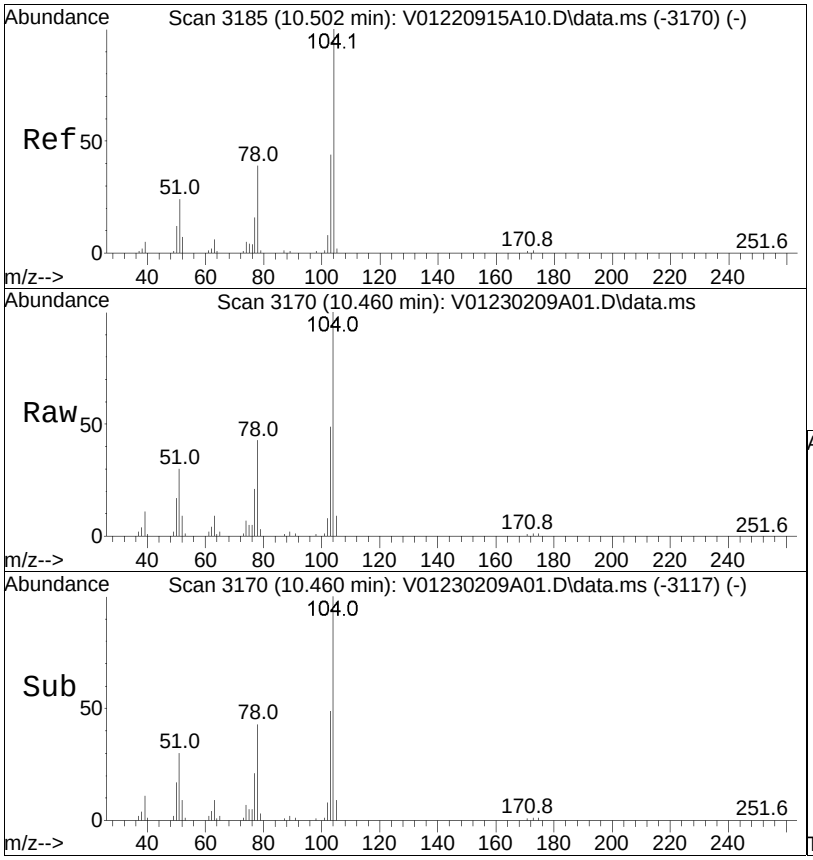


#77
o Xylene
Concen: 19.12 ug/L
RT: 10.393 min Scan# 3146
Delta R.T. -0.006 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:106 Resp: 347168

Ion	Ratio	Lower	Upper
106	100		
91	211.5	171.2	256.8

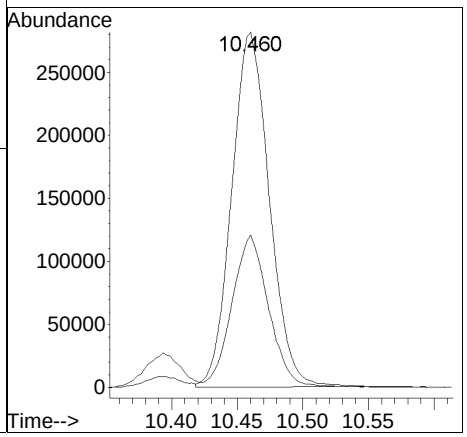


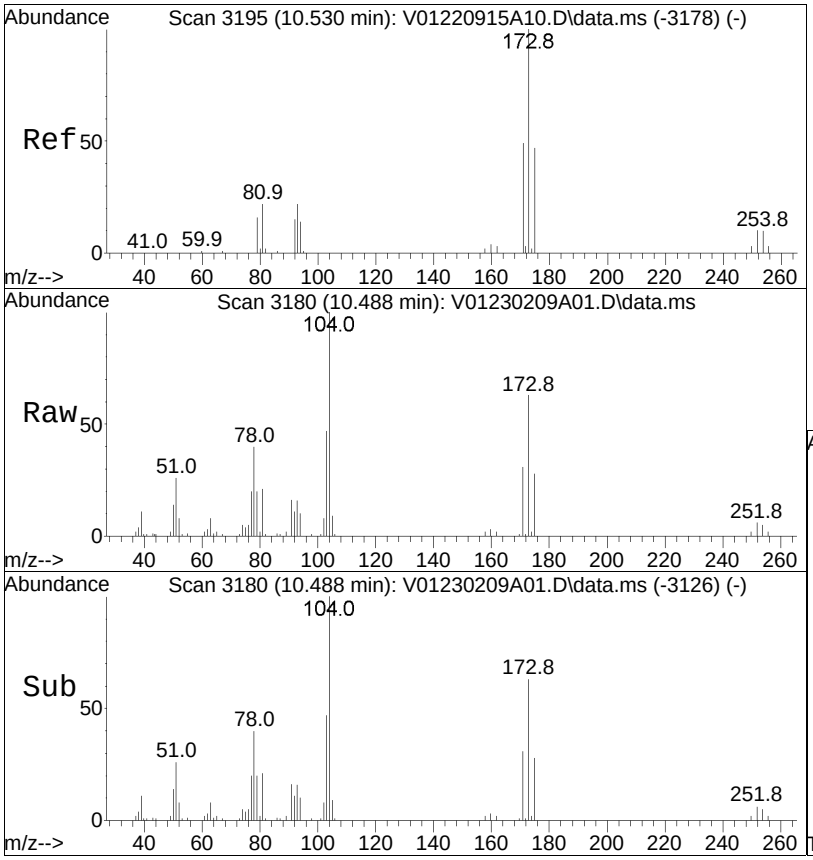


#78
Styrene
Concen: 17.60 ug/L
RT: 10.460 min Scan# 3170
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:104 Resp: 562124

Ion	Ratio	Lower	Upper
104	100		
78	41.8	34.2	51.4

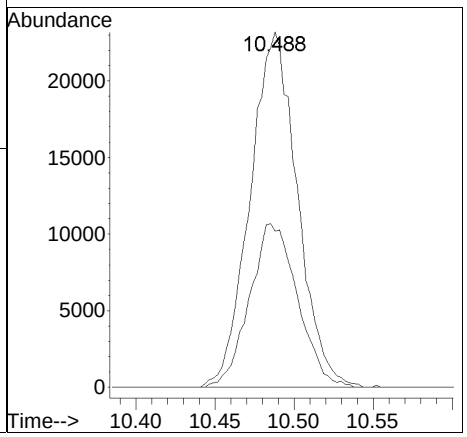


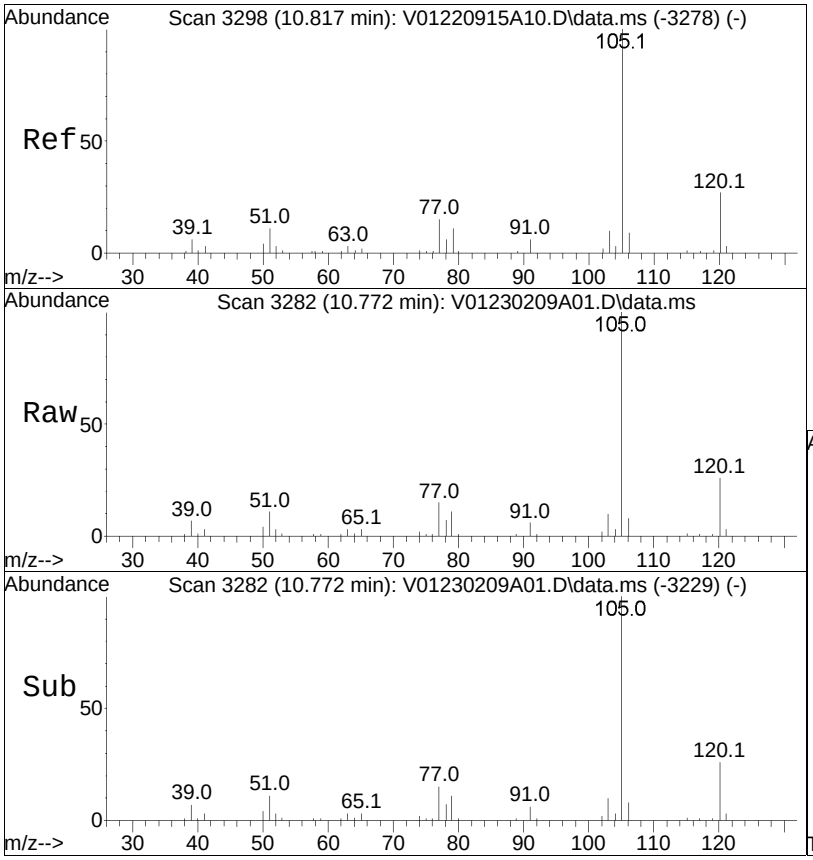


#80
Bromoform
Concen: 11.50 ug/L
RT: 10.488 min Scan# 3180
Delta R.T. -0.000 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:173 Resp: 48348

Ion	Ratio	Lower	Upper
173	100		
175	46.8	28.6	68.6

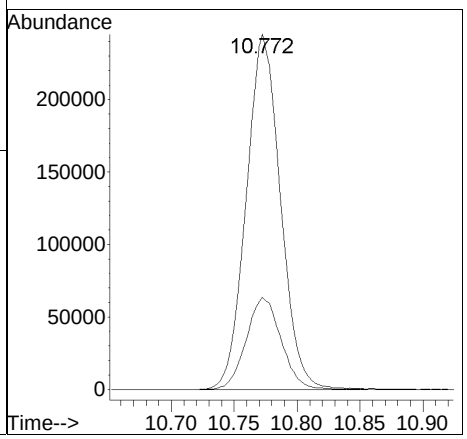


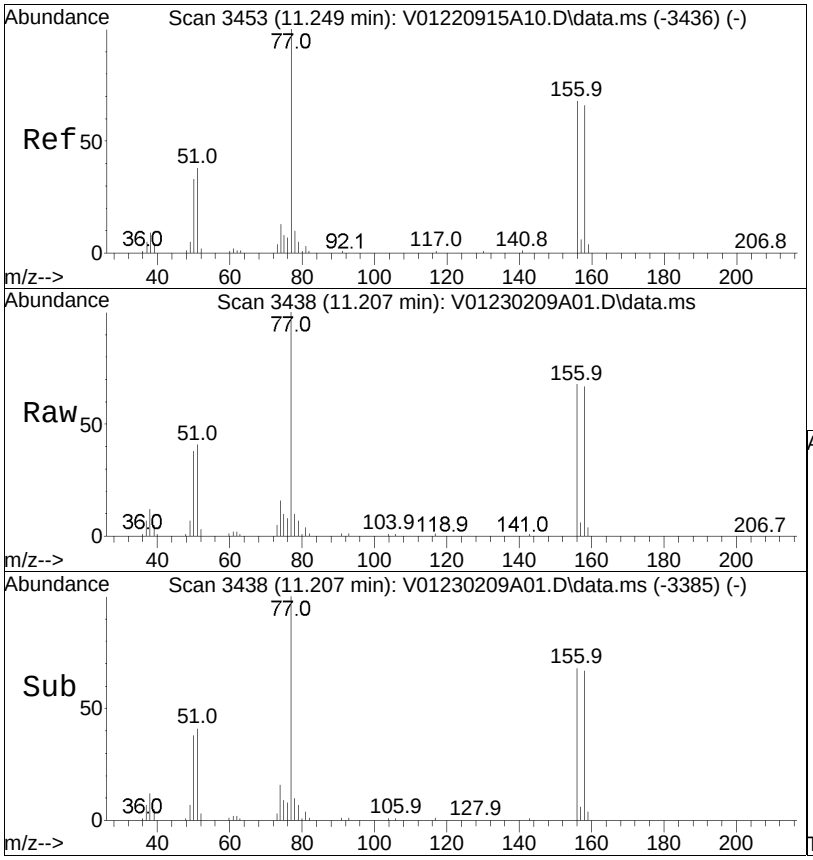


#82
Isopropylbenzene
Concen: 10.11 ug/L
RT: 10.772 min Scan# 3282
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:105 Resp: 462828

Ion	Ratio	Lower	Upper
105	100		
120	26.4	7.3	47.3

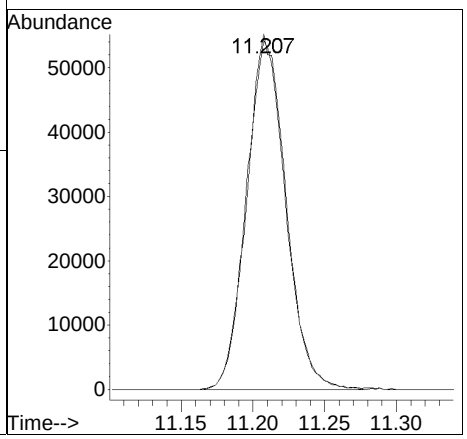


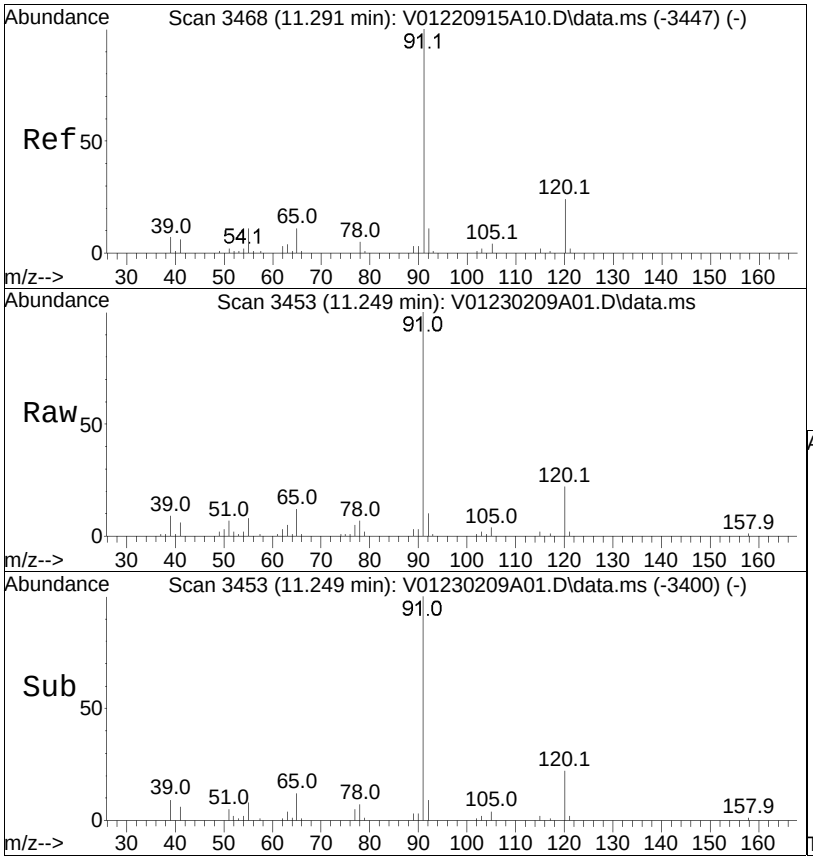


#84
Bromobenzene
Concen: 9.89 ug/L
RT: 11.207 min Scan# 3438
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:156 Resp: 105410

Ion	Ratio	Lower	Upper
156	100		
158	97.2	78.2	117.4

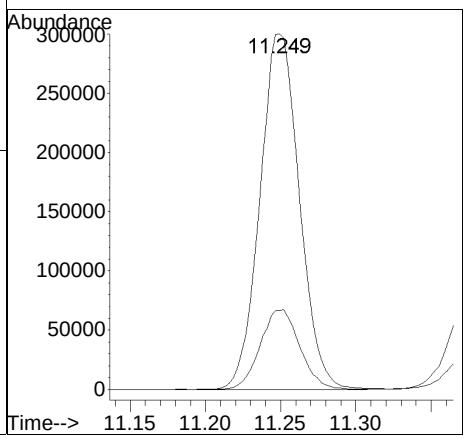


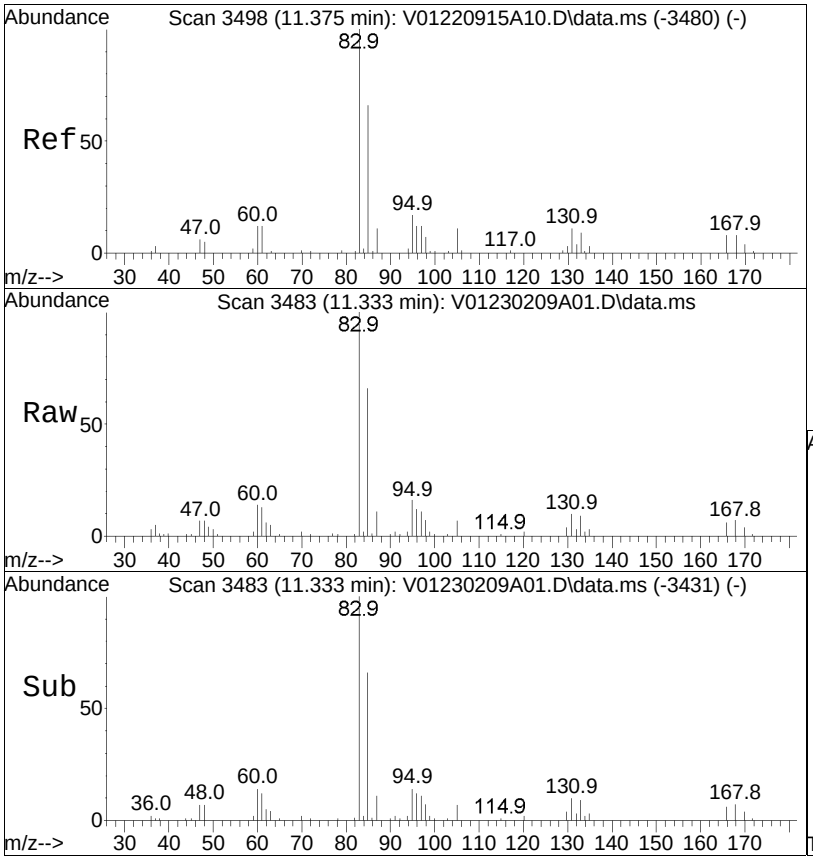


#85
n-Propylbenzene
Concen: 10.11 ug/L
RT: 11.249 min Scan# 3453
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 91 Resp: 548002

Ion	Ratio	Lower	Upper
91	100		
120	22.4	18.6	28.0

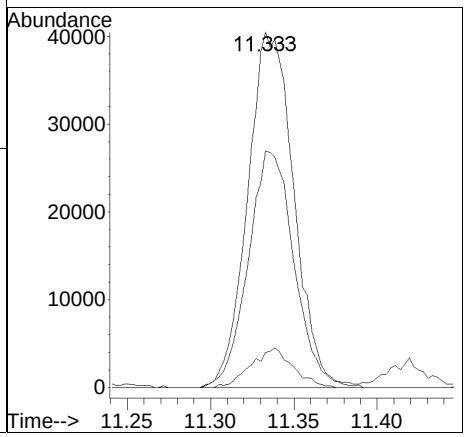


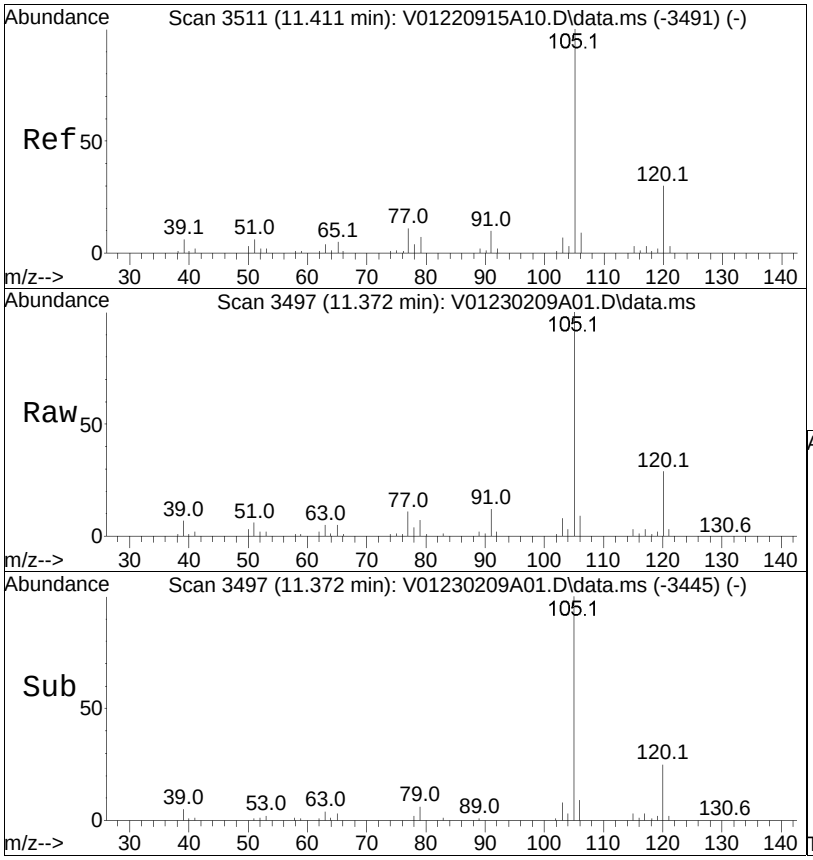


#87
1,1,2,2-Tetrachloroethane
Concen: 10.33 ug/L
RT: 11.333 min Scan# 3483
Delta R.T. -0.006 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 83 Resp: 77661

Ion	Ratio	Lower	Upper
83	100		
131	10.1	0.0	30.1
85	66.4	45.8	85.8

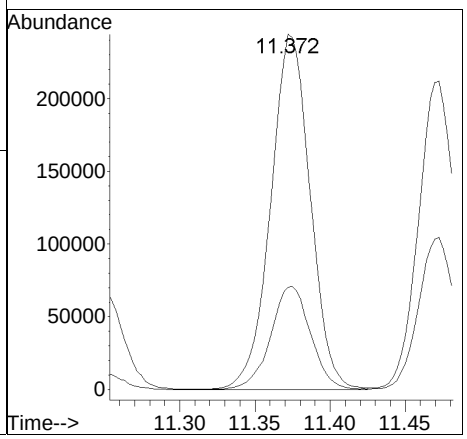


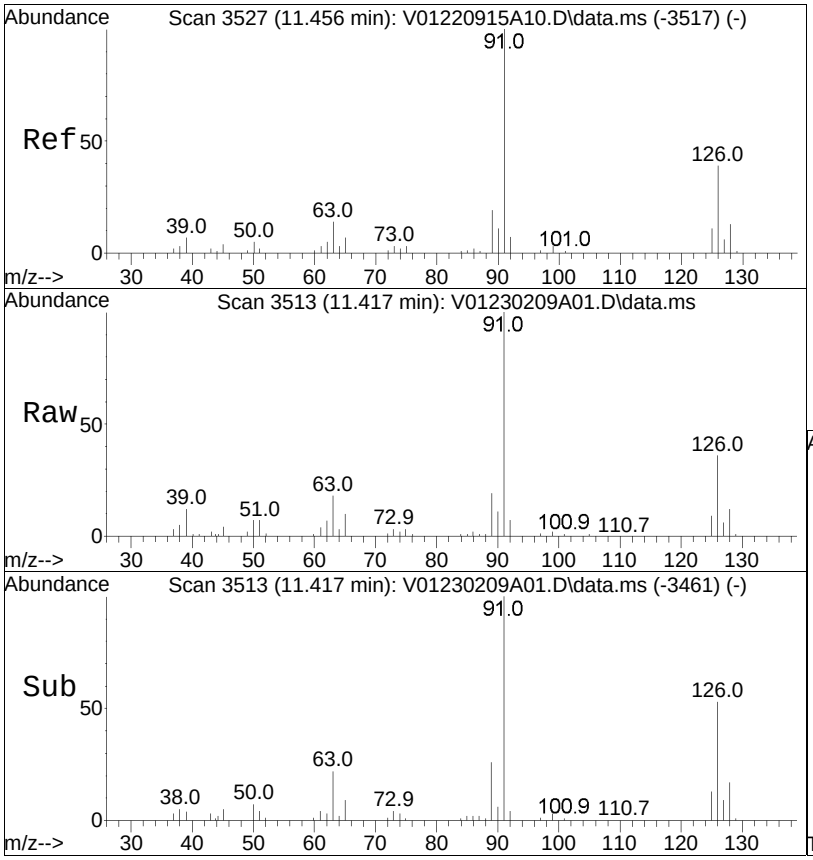


#88
4-Ethyltoluene
Concen: 10.26 ug/L
RT: 11.372 min Scan# 3497
Delta R.T. -0.006 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:105 Resp: 446031

Ion	Ratio	Lower	Upper
105	100		
120	29.0	19.8	41.0

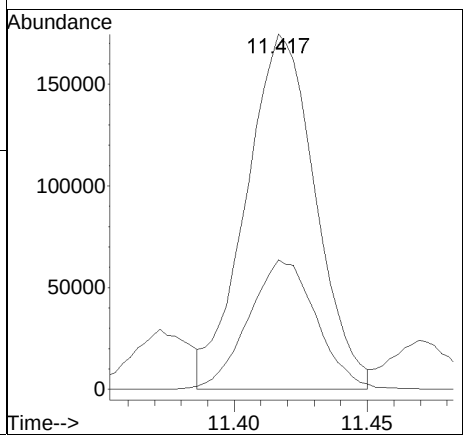


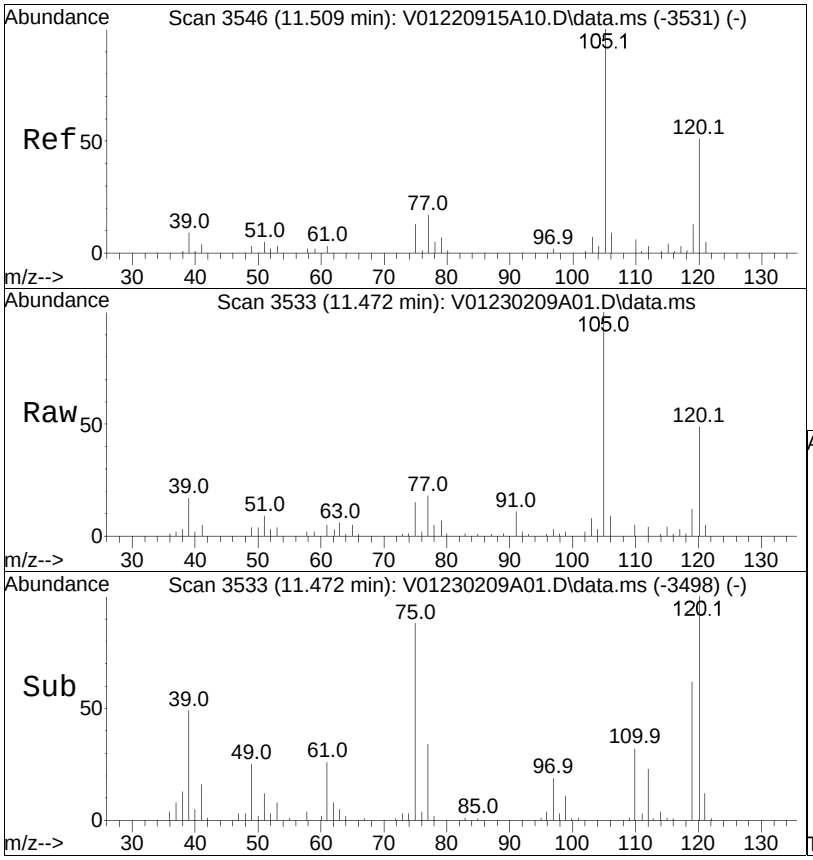


#89
2-Chlorotoluene
Concen: 10.35 ug/L M1
RT: 11.417 min Scan# 3513
Delta R.T. -0.005 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 91 Resp: 317031

Ion	Ratio	Lower	Upper
91	100		
126	35.7	27.1	40.7

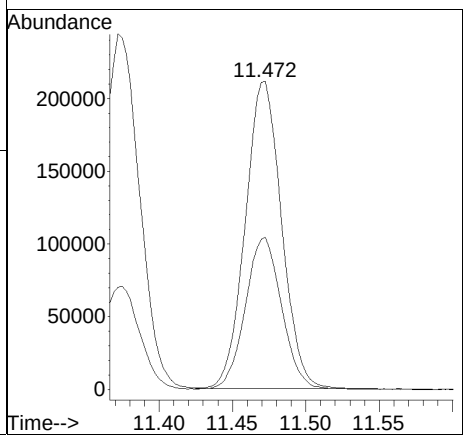


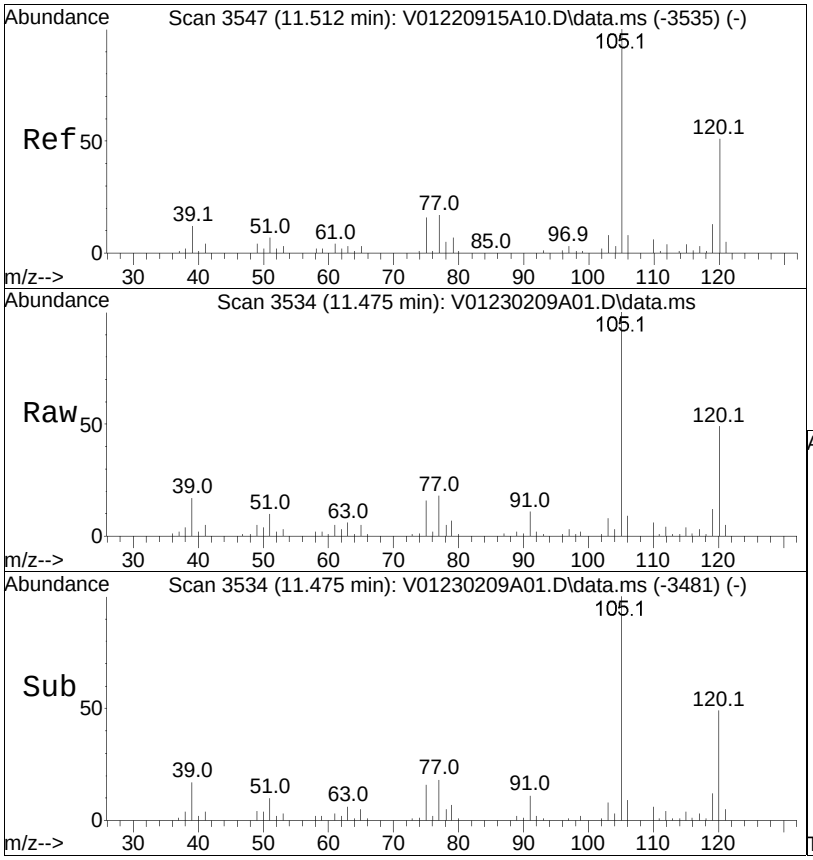


#90
1,3,5-Trimethylbenzene
Concen: 9.83 ug/L
RT: 11.472 min Scan# 3533
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:105 Resp: 364881

Ion	Ratio	Lower	Upper
105	100		
120	49.1	40.6	60.8

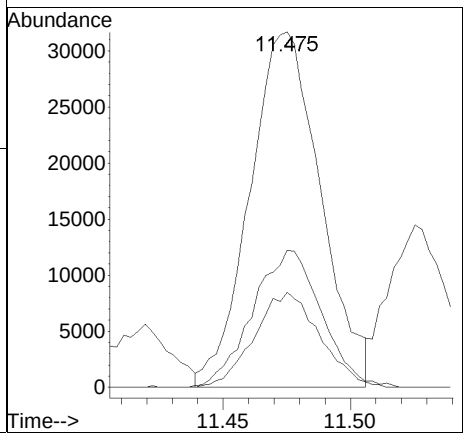


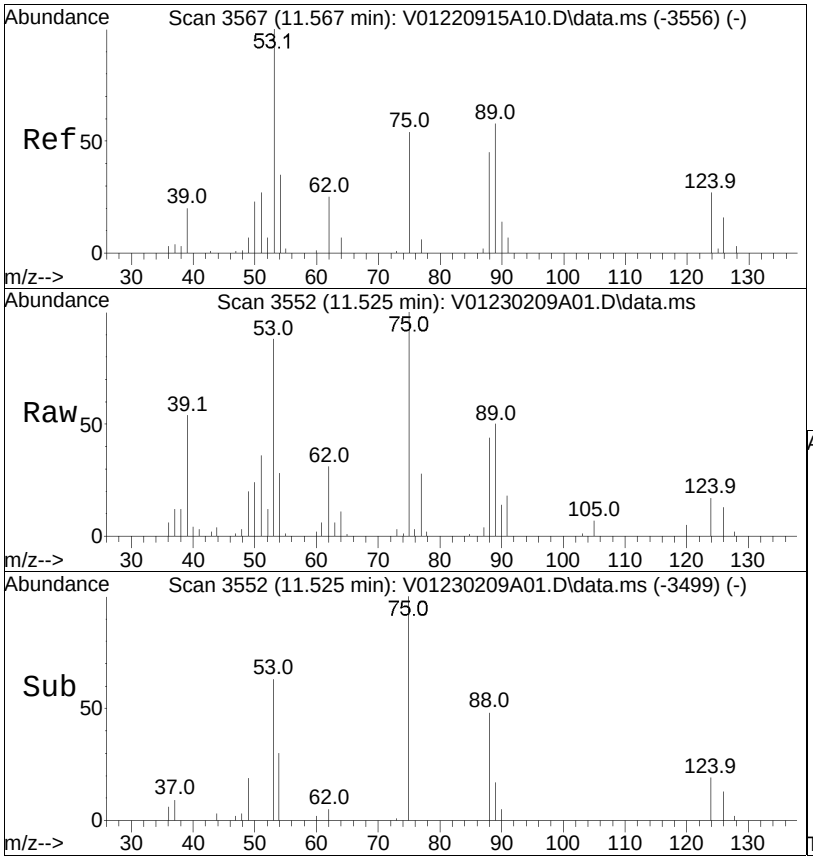


#91
1,2,3-Trichloropropane
Concen: 9.72 ug/L M1
RT: 11.475 min Scan# 3534
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 75 Resp: 61272

Ion	Ratio	Lower	Upper
75	100		
110	37.5	26.5	54.9
112	24.7	17.0	35.2

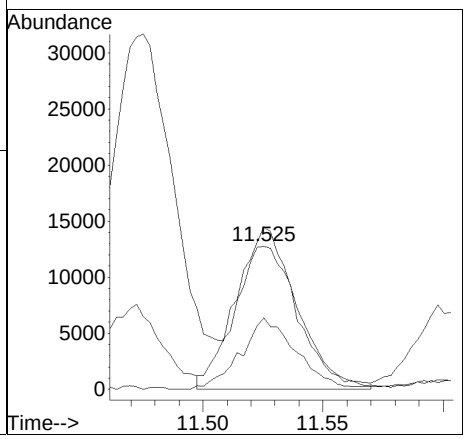


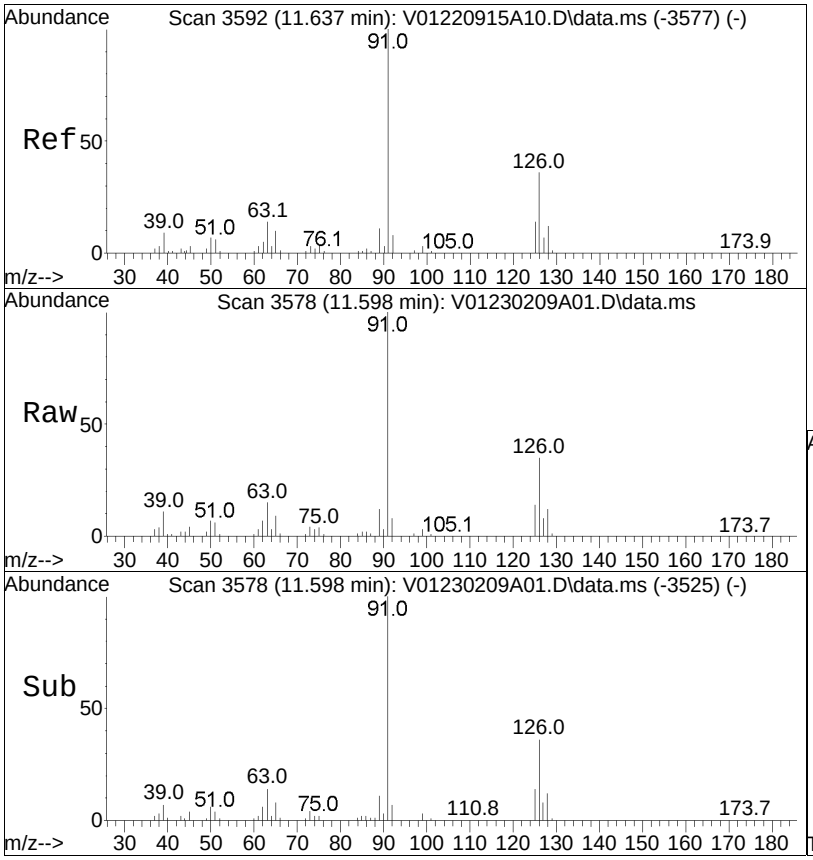


#92
trans-1,4-Dichloro-2-butene
Concen: 11.64 ug/L M4
RT: 11.525 min Scan# 3552
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 53 Resp: 23476

Ion	Ratio	Lower	Upper
53	100		
88	43.9	46.0	69.0#
75	93.8	107.0	160.4#

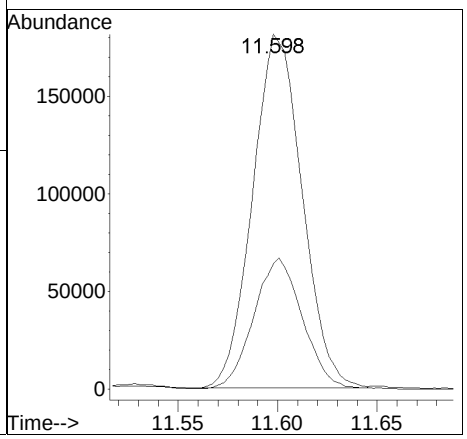


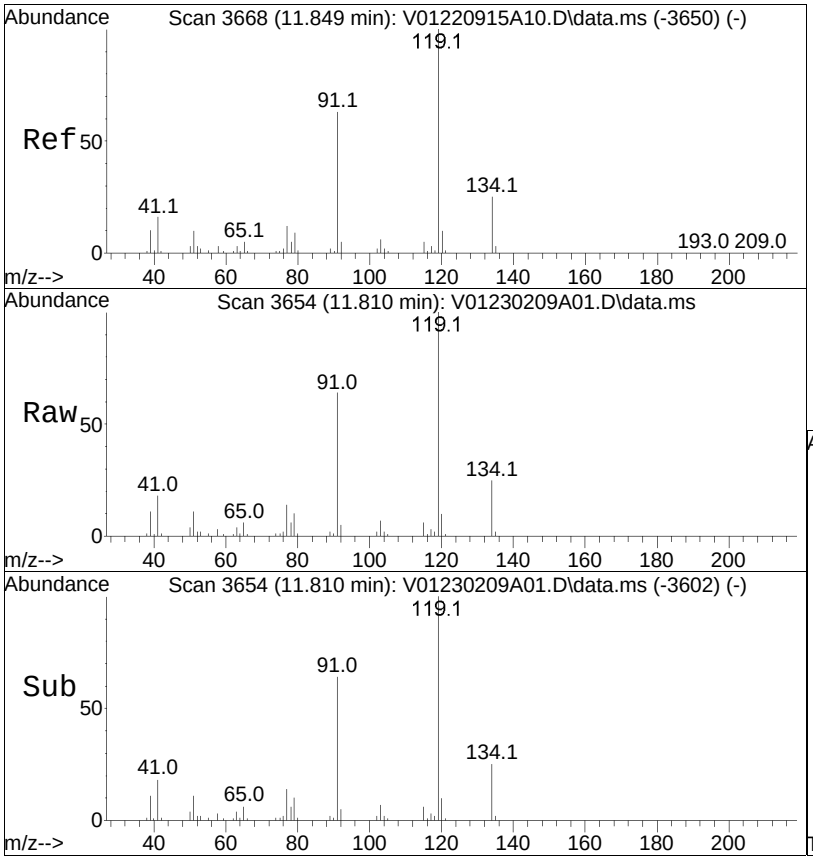


#93
4-Chlorotoluene
Concen: 10.16 ug/L
RT: 11.598 min Scan# 3578
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 91 Resp: 313454

Ion	Ratio	Lower	Upper
91	100		
126	37.0	28.2	42.2

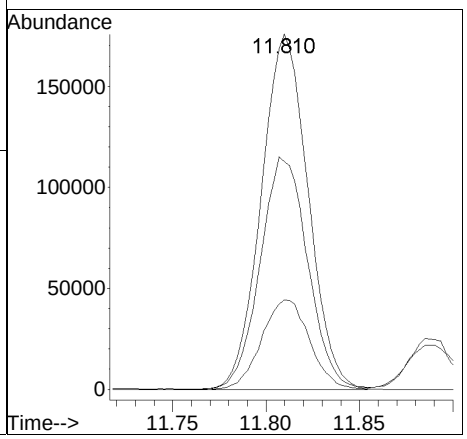


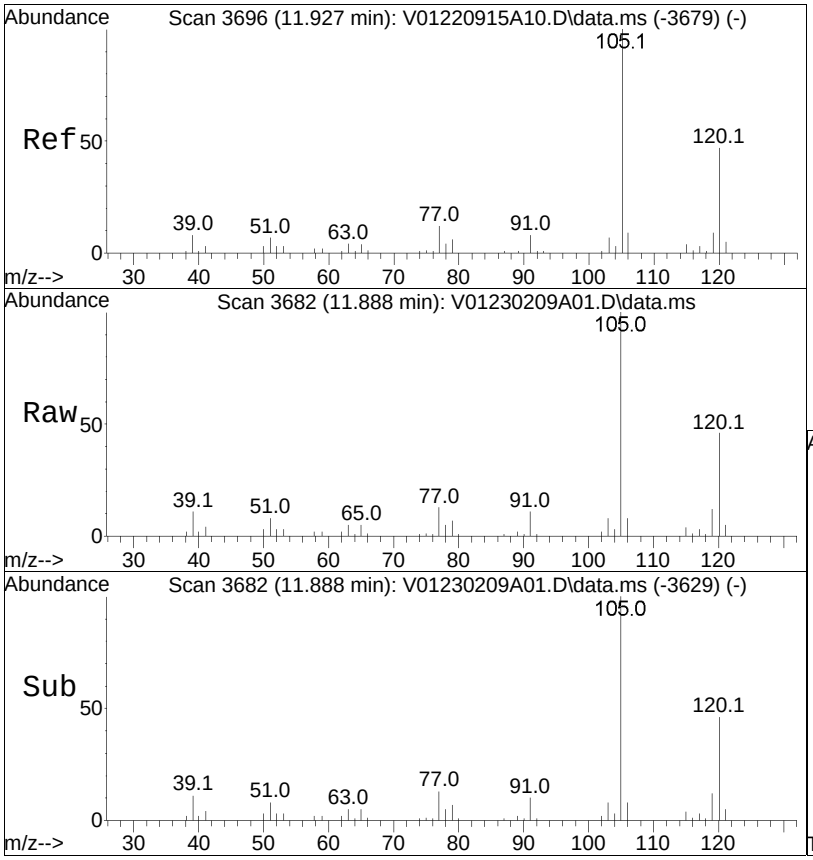


#94
tert-Butylbenzene
Concen: 10.04 ug/L
RT: 11.810 min Scan# 3654
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:119 Resp: 306869

Ion	Ratio	Lower	Upper
119	100		
91	66.1	52.5	78.7
134	25.8	20.9	31.3

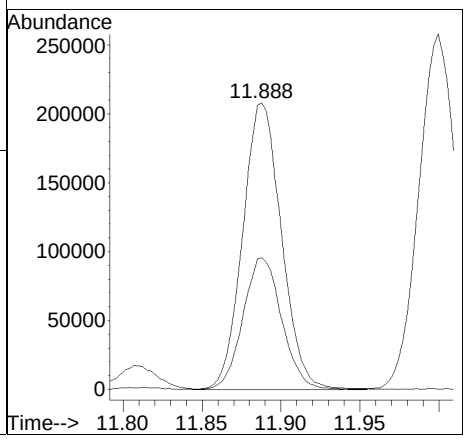


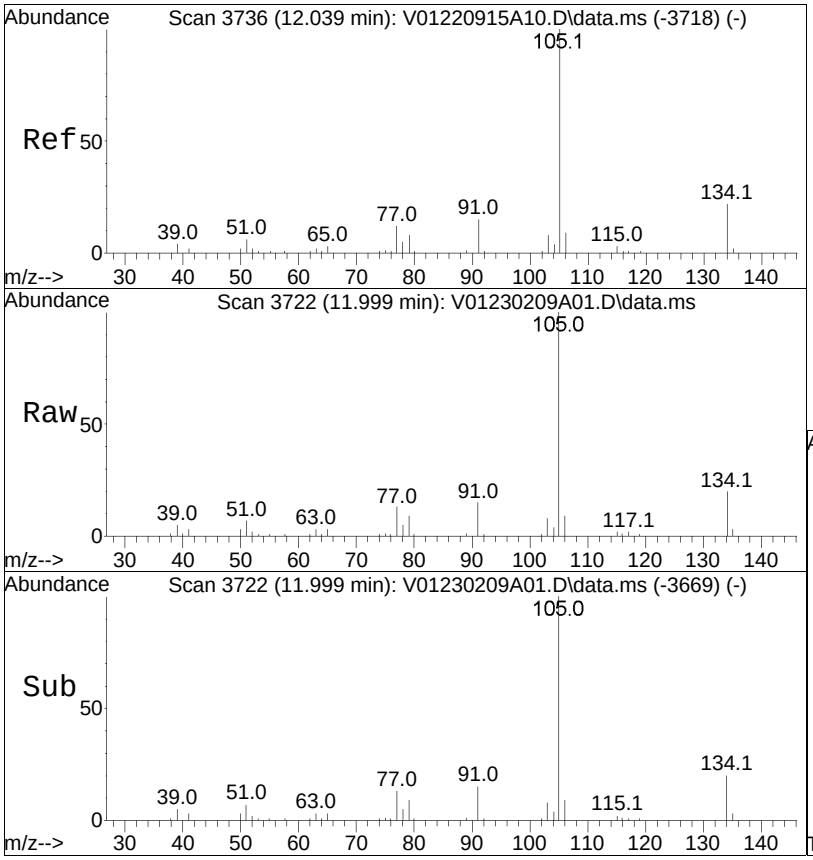


#97
1,2,4-Trimethylbenzene
Concen: 9.99 ug/L
RT: 11.888 min Scan# 3682
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:105 Resp: 354765

Ion	Ratio	Lower	Upper
105	100		
120	45.6	37.8	56.6

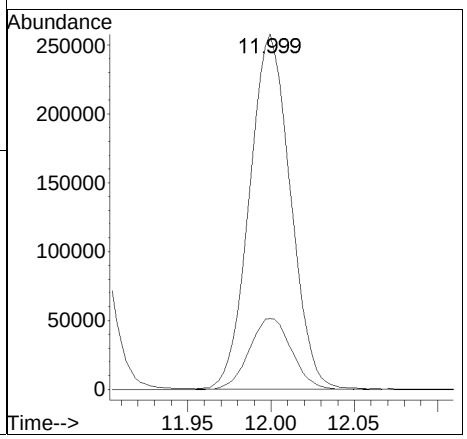


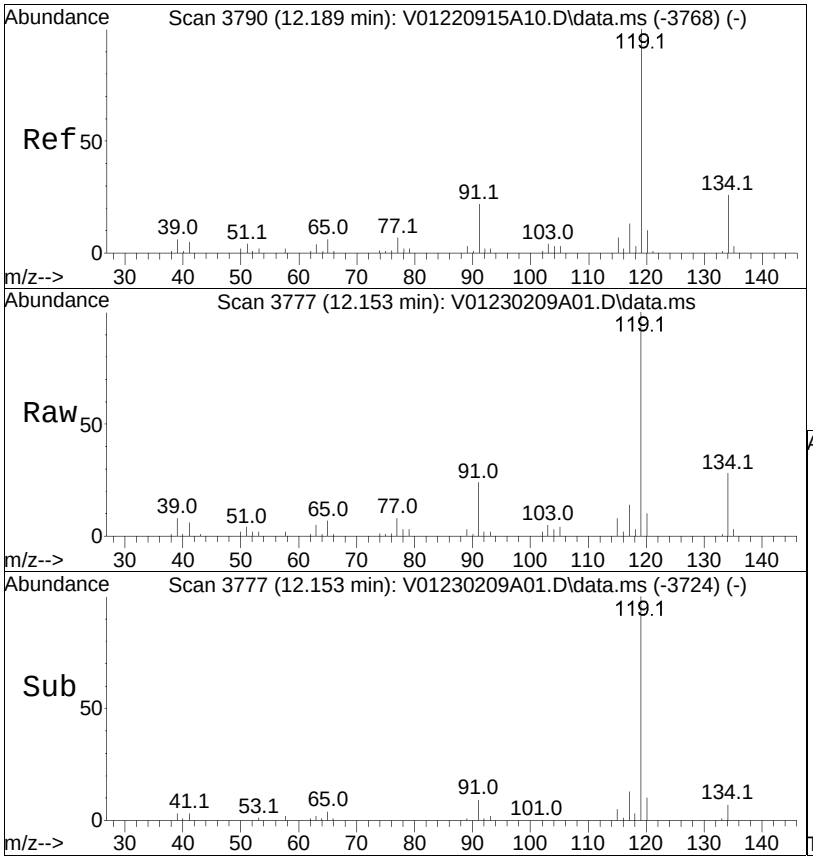


#98
sec-Butylbenzene
Concen: 10.06 ug/L
RT: 11.999 min Scan# 3722
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:105 Resp: 439124

Ion	Ratio	Lower	Upper
105	100		
134	20.7	14.0	29.0

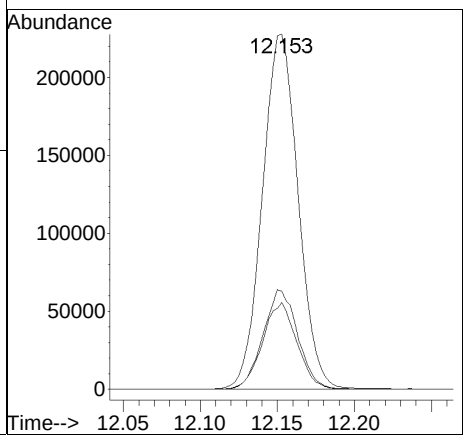


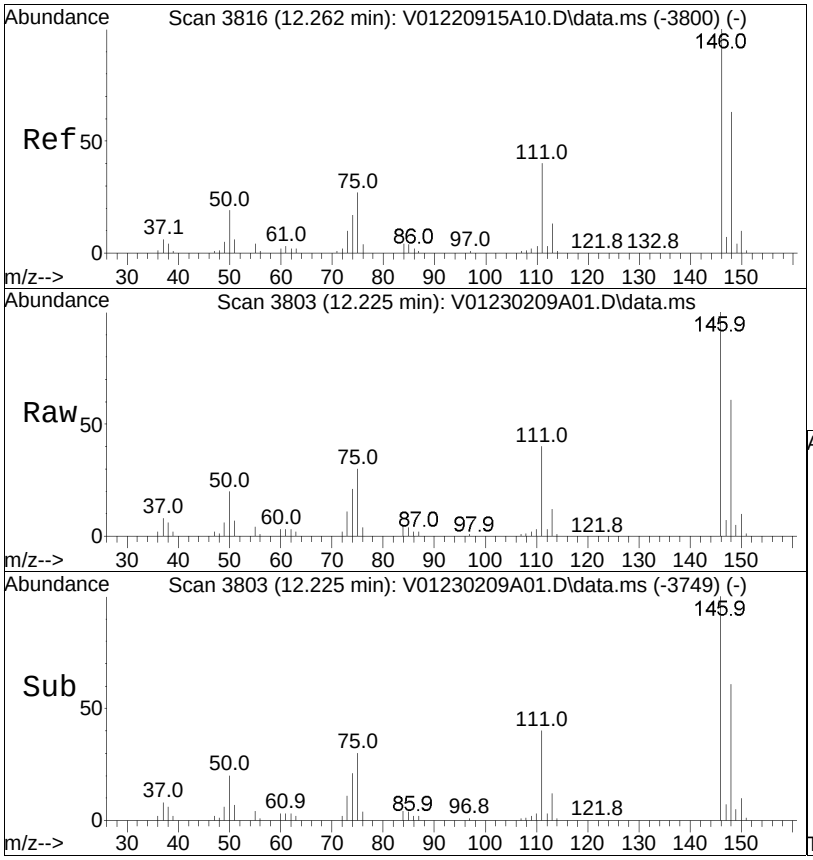


#99
p-Isopropyltoluene
Concen: 10.01 ug/L
RT: 12.153 min Scan# 3777
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:119 Resp: 368157

Ion	Ratio	Lower	Upper
119	100		
134	27.2	17.7	36.7
91	23.7	15.4	32.0

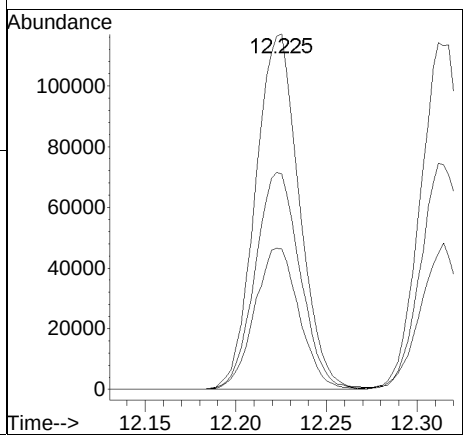


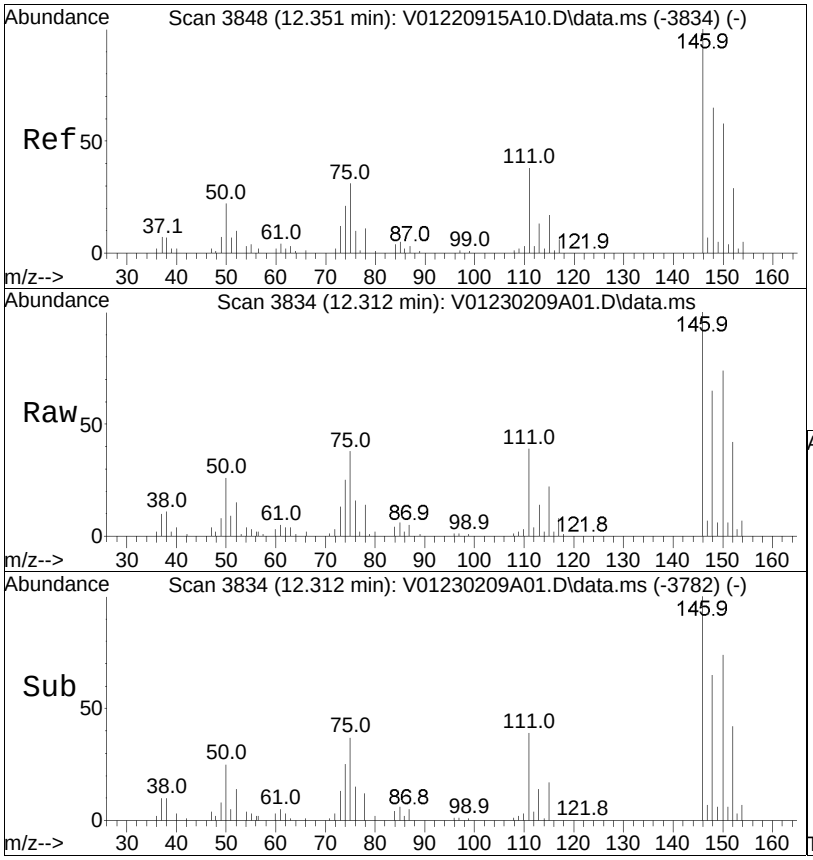


#100
1,3-Dichlorobenzene
Concen: 9.80 ug/L
RT: 12.225 min Scan# 3803
Delta R.T. 0.000 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:146 Resp: 197451

Ion	Ratio	Lower	Upper
146	100		
111	40.4	25.9	53.9
148	62.4	41.5	86.3

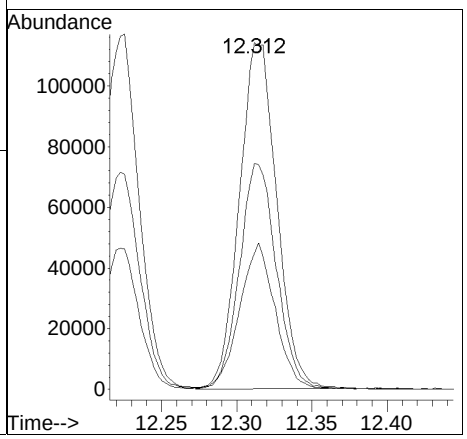


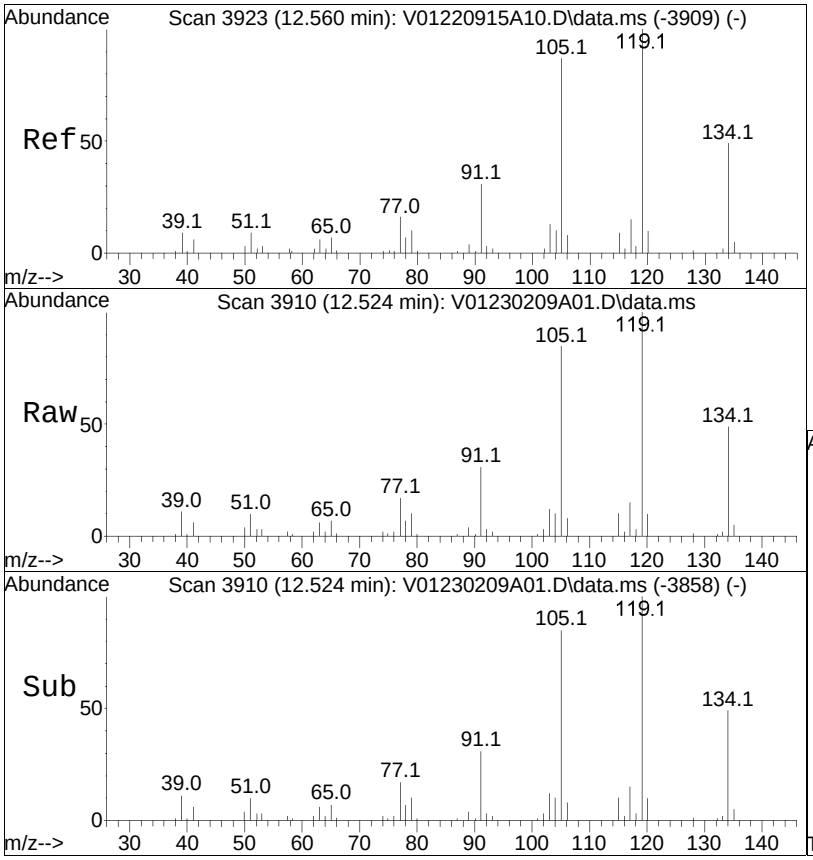


#101
1,4-Dichlorobenzene
Concen: 9.52 ug/L
RT: 12.312 min Scan# 3834
Delta R.T. -0.005 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:146 Resp: 197576

Ion	Ratio	Lower	Upper
146	100		
111	40.1	31.7	47.5
148	64.0	51.5	77.3

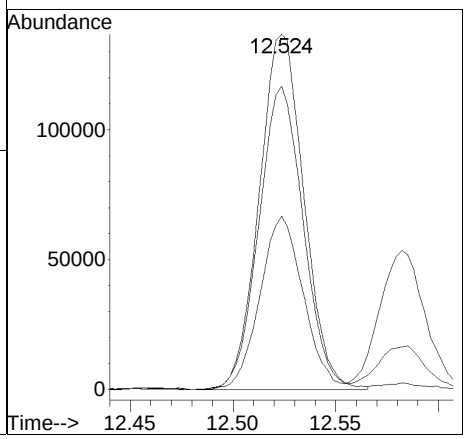


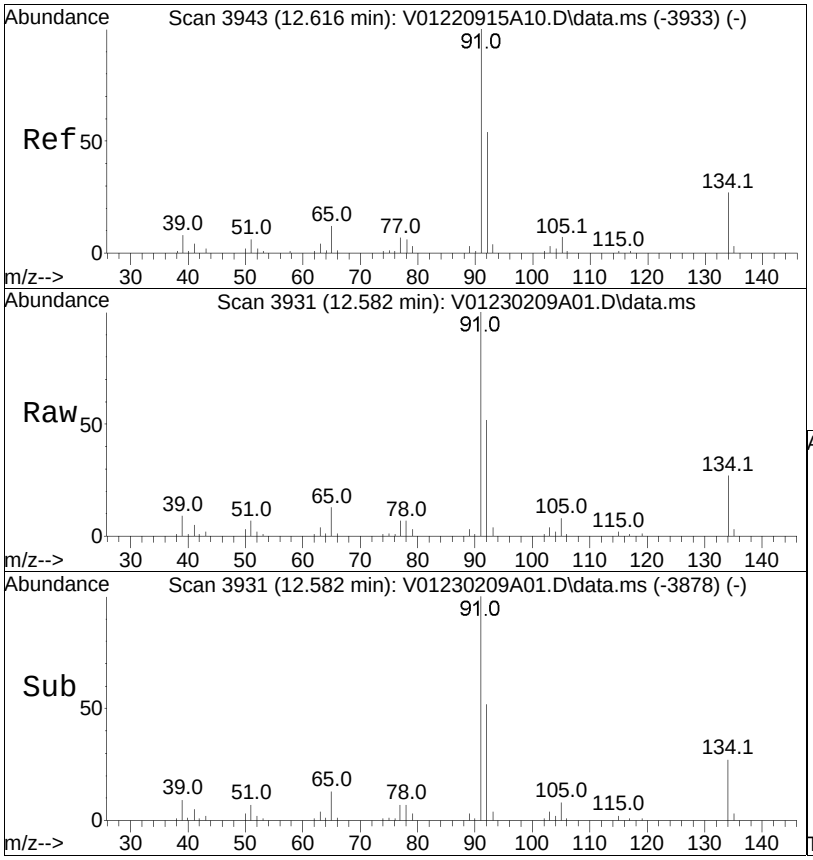


#102
p-Diethylbenzene
Concen: 10.09 ug/L
RT: 12.524 min Scan# 3910
Delta R.T. -0.005 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:119 Resp: 207123

Ion	Ratio	Lower	Upper
119	100		
105	84.7	54.1	112.3
134	47.3	31.5	65.3

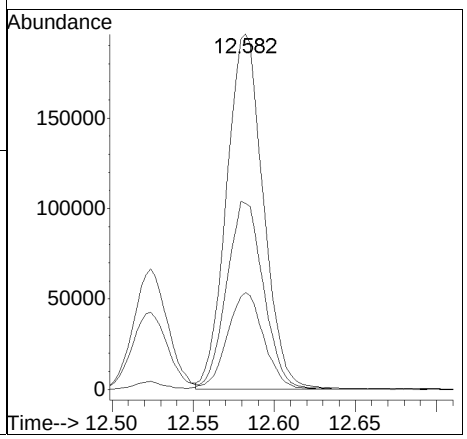


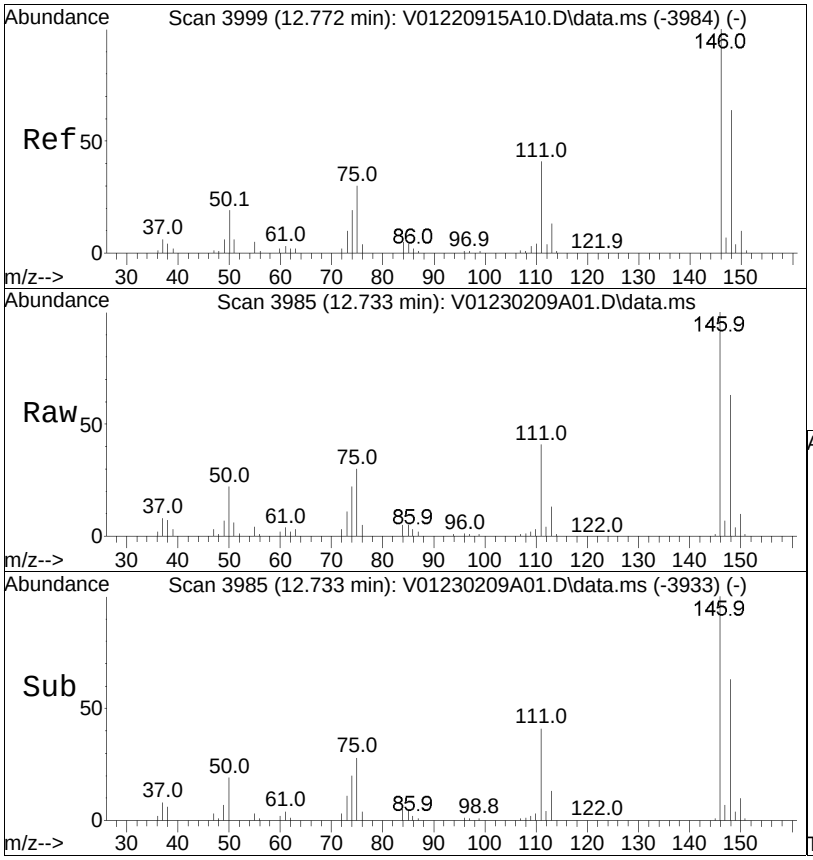


#103
n-Butylbenzene
Concen: 10.45 ug/L
RT: 12.582 min Scan# 3931
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion: 91 Resp: 309091

Ion	Ratio	Lower	Upper
91	100		
92	53.1	43.7	65.5
134	26.8	22.1	33.1

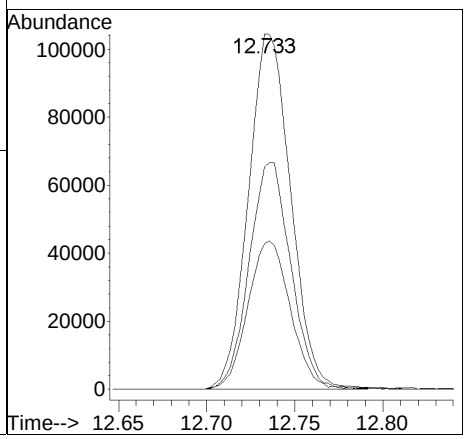


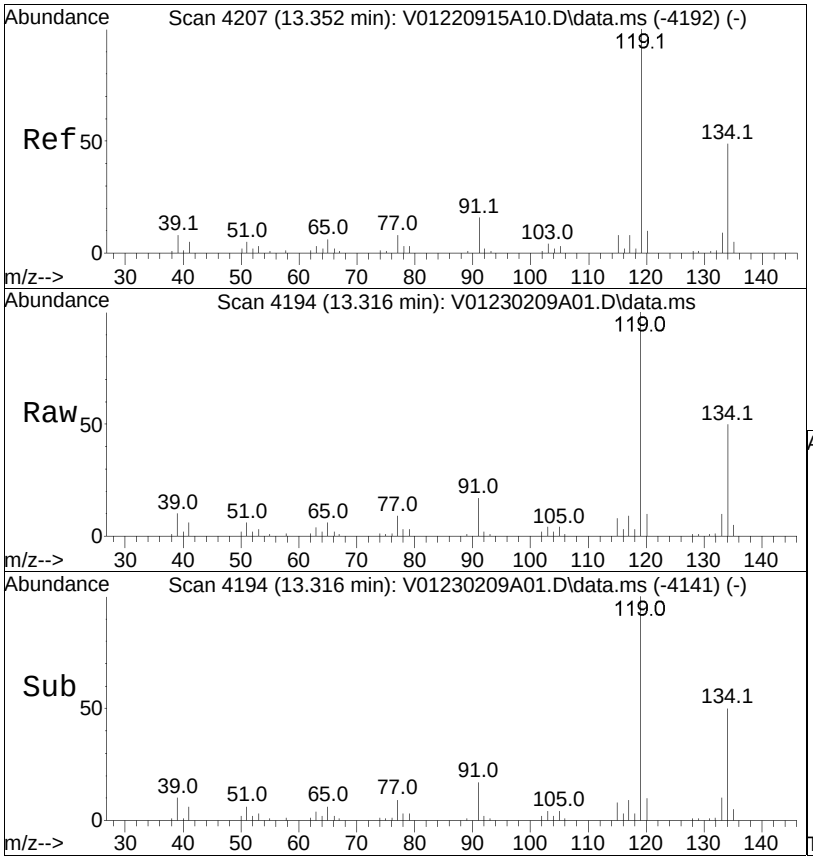


#104
1,2-Dichlorobenzene
Concen: 9.70 ug/L
RT: 12.733 min Scan# 3985
Delta R.T. -0.006 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:146 Resp: 175054

Ion	Ratio	Lower	Upper
146	100		
111	42.1	26.8	55.8
148	62.9	41.6	86.4

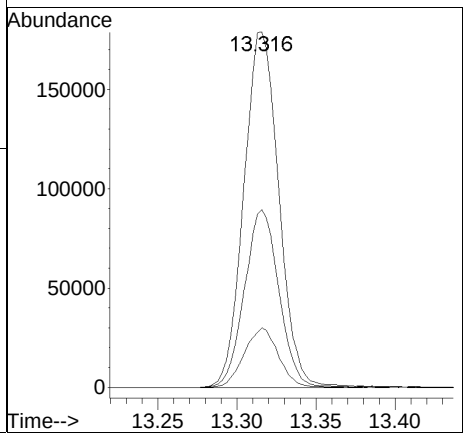


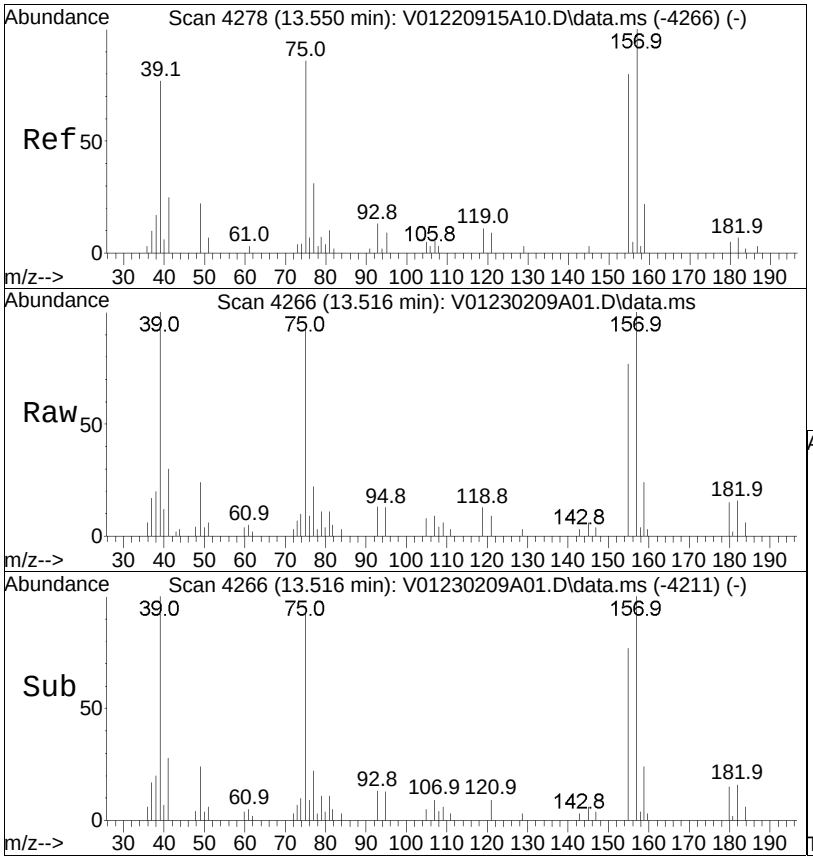


#105
1,2,4,5-Tetramethylbenzene
Concen: 9.98 ug/L
RT: 13.316 min Scan# 4194
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:119 Resp: 275833

Ion	Ratio	Lower	Upper
119	100		
134	49.2	31.9	66.1
91	16.4	10.3	21.5

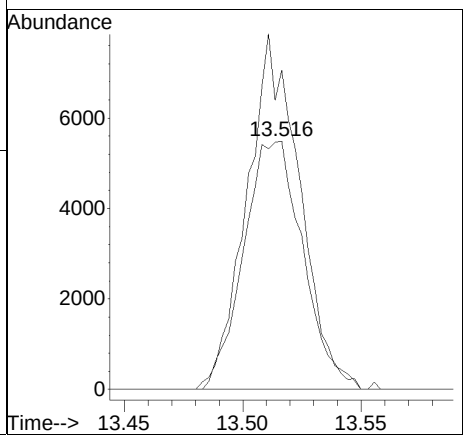


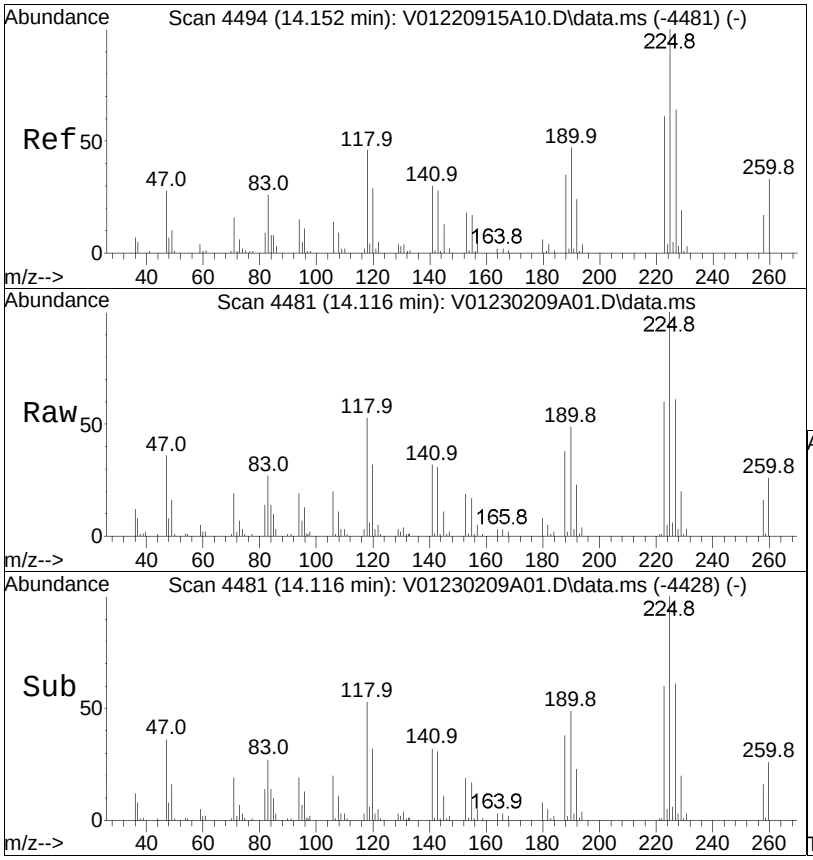


#106
1,2-Dibromo-3-chloropropane
Concen: 9.51 ug/L
RT: 13.516 min Scan# 4266
Delta R.T. 0.002 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:155 Resp: 9540

Ion	Ratio	Lower	Upper
155	100		
157	127.3	101.1	151.7

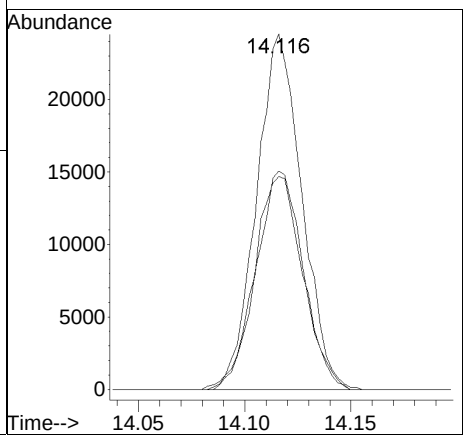


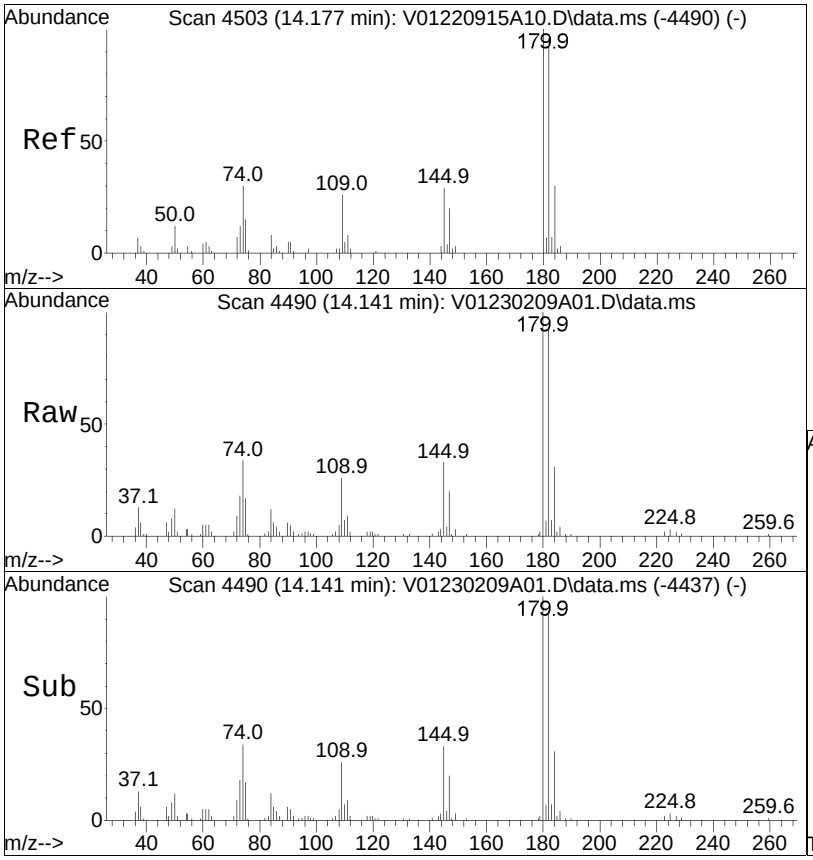


#108
Hexachlorobutadiene
Concen: 11.04 ug/L
RT: 14.116 min Scan# 4481
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:225 Resp: 36444

Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.0	76.4
227	63.1	52.2	78.4

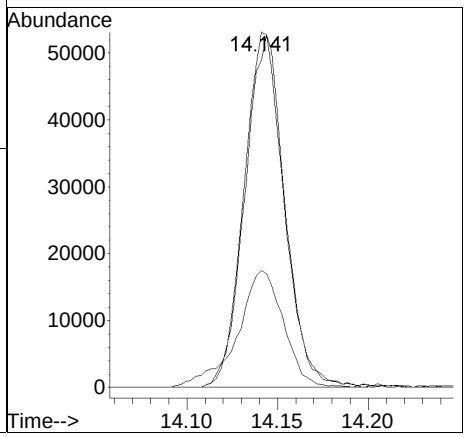


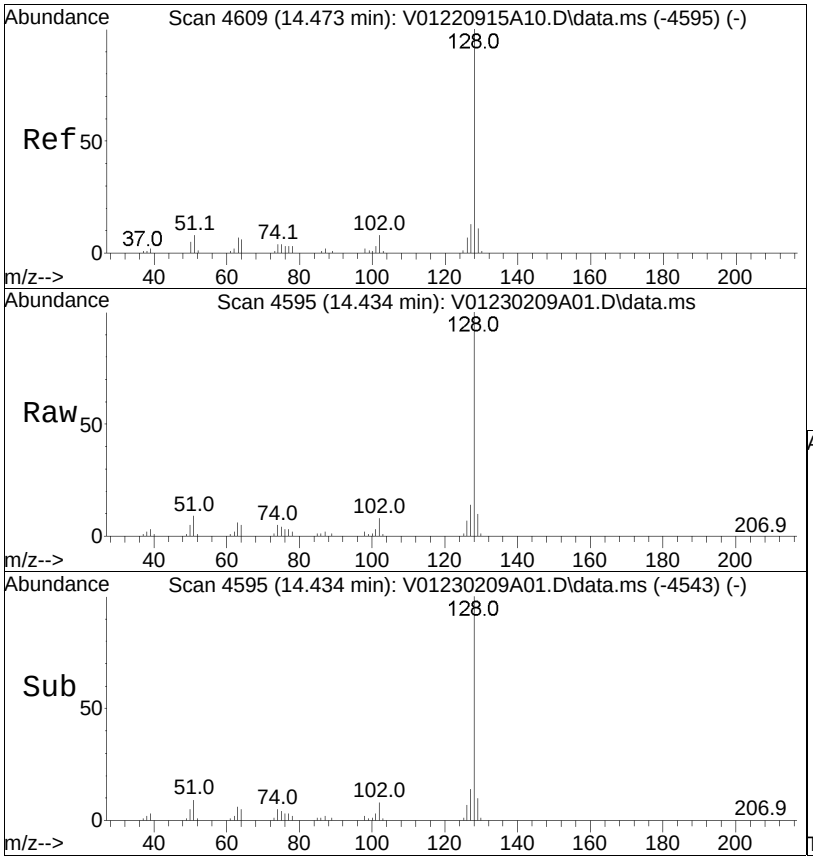


#109
1,2,4-Trichlorobenzene
Concen: 9.87 ug/L
RT: 14.141 min Scan# 4490
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:180 Resp: 83565

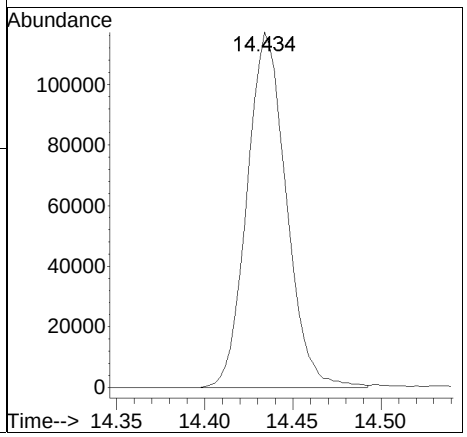
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.8
145	37.1	26.1	39.1

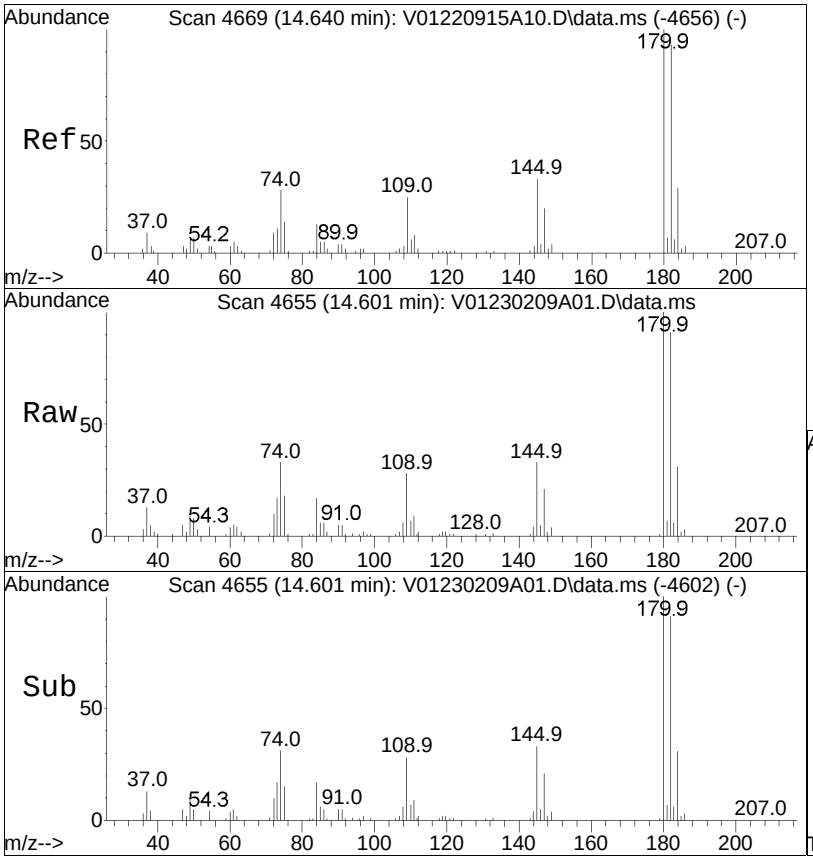




#110
Naphthalene
Concen: 9.66 ug/L
RT: 14.434 min Scan# 4595
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:128 Resp: 181731

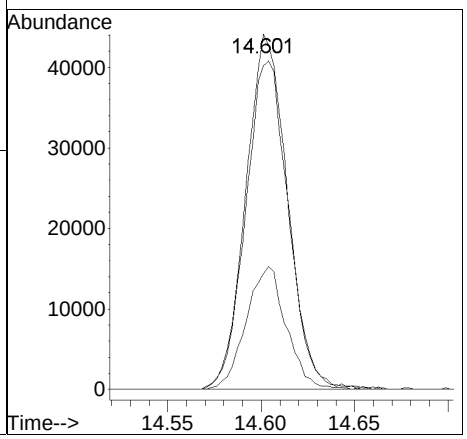




#111
1,2,3-Trichlorobenzene
Concen: 9.76 ug/L
RT: 14.601 min Scan# 4655
Delta R.T. -0.003 min
Lab File: V01230209A01.D
Acq: 9 Feb 2023 6:44 am

Tgt Ion:180 Resp: 68308

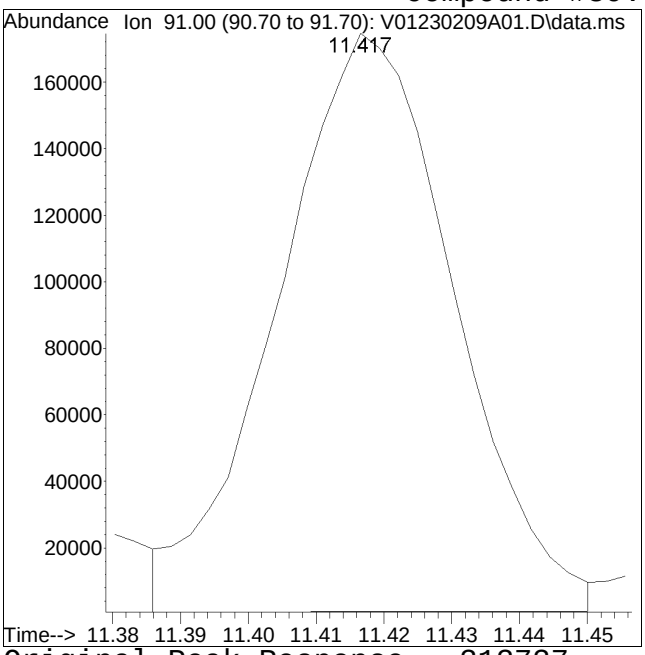
Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.4	113.0
145	33.5	25.0	37.6



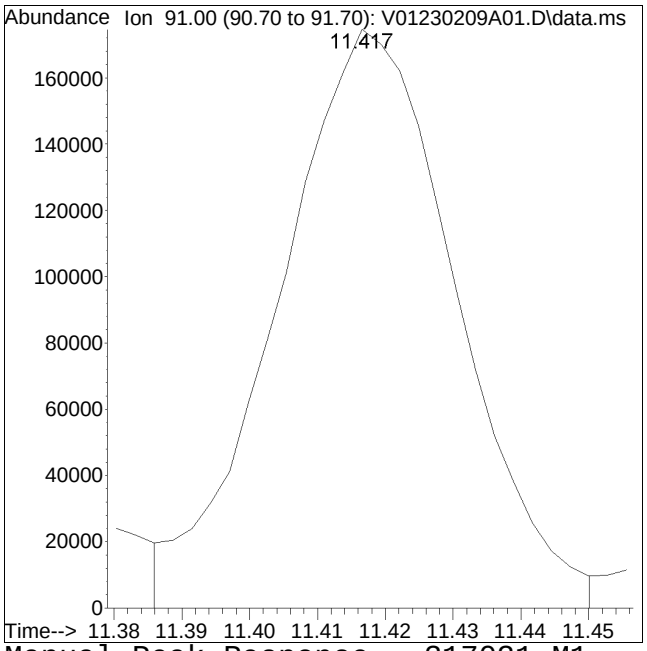
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2023\2QMethod : V101_221216A_8260.m
Data File : V01230209A01.D Operator : VOA101:PID
Date Inj'd : 2/9/2023 6:44 am Instrument : VOA 101
Sample : WG1742861-3,31,10,10,, Quant Date : 2/9/2023 7:12 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 313737



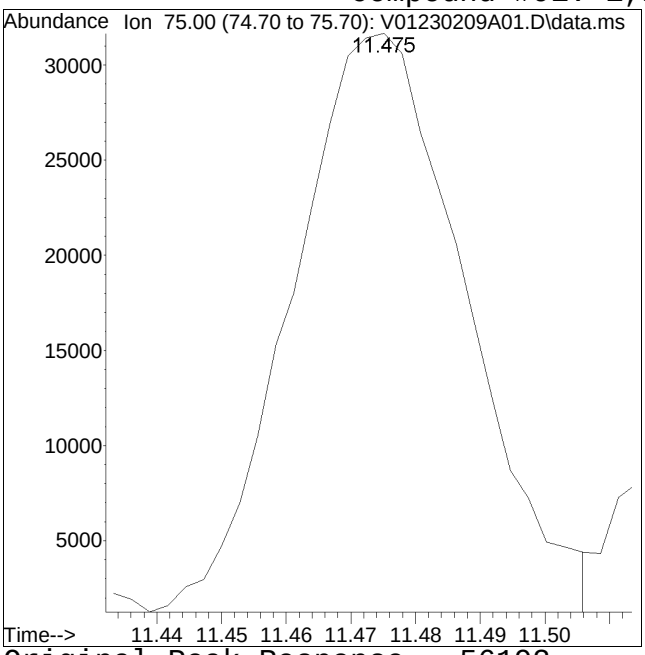
Manual Peak Response = 317031 M1

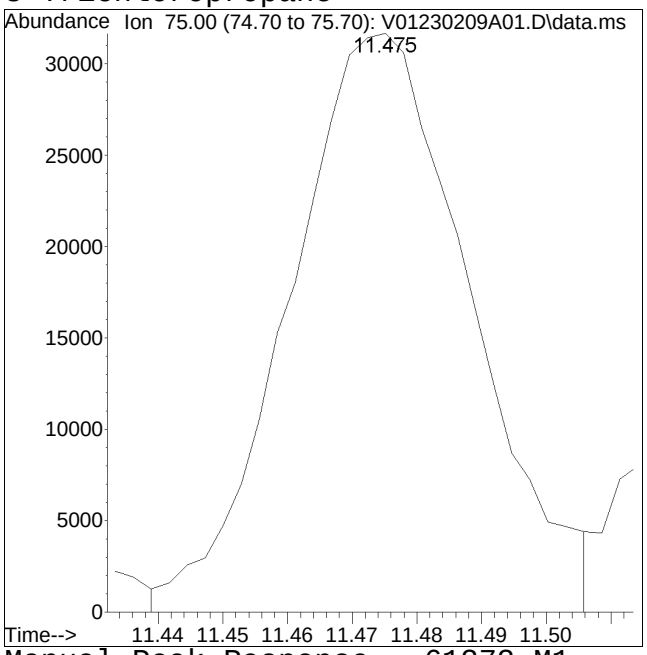
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2023\2QMethod : V101_221216A_8260.m
Data File : V01230209A01.D Operator : VOA101:PID
Date Inj'd : 2/9/2023 6:44 am Instrument : VOA 101
Sample : WG1742861-3,31,10,10,, Quant Date : 2/9/2023 7:12 am

Compound #91: 1,2,3-Trichloropropane



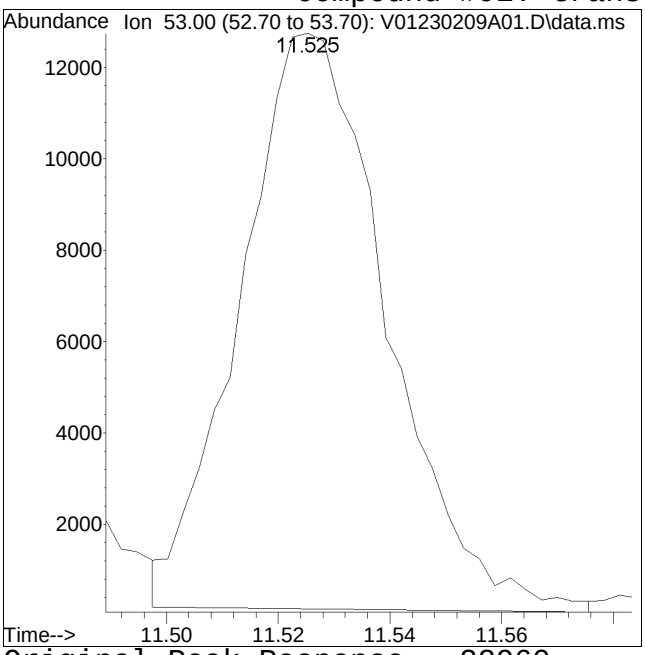


Original Peak Response = 56192 Manual Peak Response = 61272 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

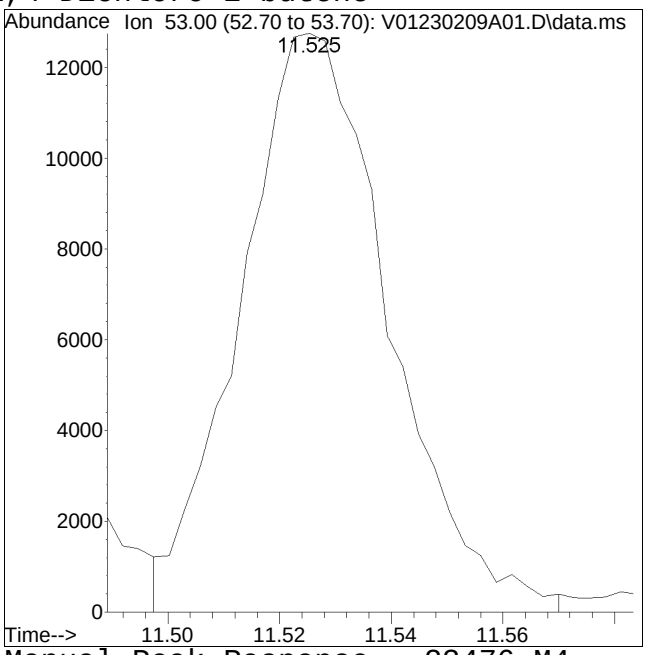
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2023\2QMethod : V101_221216A_8260.m
Data File : V01230209A01.D Operator : VOA101:PID
Date Inj'd : 2/9/2023 6:44 am Instrument : VOA 101
Sample : WG1742861-3,31,10,10,, Quant Date : 2/9/2023 7:12 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 22960



Manual Peak Response = 23476 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A02.D
Acq On : 10 Feb 2023 07:56 am
Operator : VOA111:NLK
Sample : WG1743940-3,31,5,5
Misc : WG1743940,ICAL19665
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 10 09:06:30 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230210A\V11230210A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	72226	20.000	ug/L	0.00
Standard Area 1 = 76148			Recovery =	94.85%		
59) Chlorobenzene-d5	9.841	117	53723	20.000	ug/L	-0.01
Standard Area 1 = 56431			Recovery =	95.20%		
79) 1,4-Dichlorobenzene-d4	12.488	152	27914	20.000	ug/L	0.00
Standard Area 1 = 29151			Recovery =	95.76%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.431	113	18432	19.898	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.49%		
43) 1,2-Dichloroethane-d4	5.971	65	18117	19.727	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.64%		
60) Toluene-d8	7.979	98	71051	20.403	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.01%		
83) 4-Bromofluorobenzene	11.298	95	22597	19.198	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	95.99%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	29839	35.336	ug/L	97
3) Chloromethane	1.897	50	36421	36.915	ug/L	98
4) Vinyl chloride	1.960	62	51904	42.696	ug/L	96
5) Bromomethane	2.301	94	58108	43.511	ug/L	98
6) Chloroethane	2.432	64	24663	45.591	ug/L	96
7) Trichlorofluoromethane	2.584	101	48394	43.312	ug/L	99
8) Ethyl ether	2.904	74	15349	42.712	ug/L #	64
10) 1,1-Dichloroethene	3.108	96	29299	40.592	ug/L	79
11) Carbon disulfide	3.140	76	104699	64.946	ug/L	100
15) Methylene chloride	3.685	84	35406	33.868	ug/L	66
17) Acetone	3.717	43	9806	40.025	ug/L	91
18) trans-1,2-Dichloroethene	3.848	96	33849	39.342	ug/L	81
20) Methyl tert-butyl ether	3.947	73	79058	38.973	ug/L	84
23) 1,1-Dichloroethane	4.451	63	60270	38.738	ug/L	96
25) Acrylonitrile	4.487	53	8433	40.890	ug/L	95
27) Vinyl acetate	4.687	43	69222	40.628	ug/L #	91
28) cis-1,2-Dichloroethene	4.986	96	37533	38.507	ug/L #	79
29) 2,2-Dichloropropane	5.096	77	51941	40.791	ug/L	88
30) Bromochloromethane	5.179	128	17541	38.737	ug/L #	66
32) Chloroform	5.253	83	63483	38.713	ug/L	95

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A02.D
Acq On : 10 Feb 2023 07:56 am
Operator : VOA111:NLK
Sample : WG1743940-3,31,5,5
Misc : WG1743940,ICAL19665
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 10 09:06:30 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230210A\V11230210A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	5.405	117	44806	39.960	ug/L		98
37) 1,1,1-Trichloroethane	5.468	97	49633	40.651	ug/L		97
39) 2-Butanone	5.547	43	13177	41.410	ug/L		100
40) 1,1-Dichloropropene	5.588	75	43005	40.584	ug/L		99
41) Benzene	5.840	78	134236	39.332	ug/L	#	88
44) 1,2-Dichloroethane	6.039	62	42395	36.654	ug/L		98
48) Trichloroethene	6.448	95	36155	41.315	ug/L		98
50) Dibromomethane	6.889	93	20682	37.980	ug/L		94
51) 1,2-Dichloropropane	6.999	63	34407	38.460	ug/L		97
54) Bromodichloromethane	7.062	83	47716	38.131	ug/L		99
57) 1,4-Dioxane	7.277	88	16301	2279.420	ug/L	#	70
58) cis-1,3-Dichloropropene	7.764	75	55955	39.311	ug/L	#	87
61) Toluene	8.042	92	81469	39.236	ug/L		94
62) 4-Methyl-2-pentanone	8.467	58	9614	35.953	ug/L	#	80
63) Tetrachloroethene	8.493	166	33755	42.256	ug/L		98
65) trans-1,3-Dichloropropene	8.519	75	50829	39.360	ug/L	#	83
68) 1,1,2-Trichloroethane	8.708	83	24438	39.612	ug/L		98
69) Chlorodibromomethane	8.923	129	33959	39.029	ug/L		97
70) 1,3-Dichloropropane	9.033	76	48138	38.608	ug/L		99
71) 1,2-Dibromoethane	9.206	107	28334	40.816	ug/L		99
72) 2-Hexanone	9.479	43	18011	40.239	ug/L		92
73) Chlorobenzene	9.862	112	94361	38.902	ug/L		90
74) Ethylbenzene	9.904	91	158118	40.418	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.945	131	33740	40.585	ug/L		99
76) p/m Xylene	10.092	106	123586	82.932	ug/L		98
77) o Xylene	10.617	106	121386	84.280	ug/L		97
78) Styrene	10.680	104	206294	84.826	ug/L		93
80) Bromoform	10.700	173	21385	38.321	ug/L		99
82) Isopropylbenzene	10.989	105	155129	41.022	ug/L		99
84) Bromobenzene	11.414	156	38474	38.210	ug/L		100
85) n-Propylbenzene	11.455	91	194531	41.159	ug/L		98
87) 1,1,2,2-Tetrachloroethane	11.524	83	36995	39.053	ug/L		99
88) 4-Ethyltoluene	11.576	105	159046	41.986	ug/L		99
89) 2-Chlorotoluene	11.618	91	106367	38.367	ug/L	#	89
90) 1,3,5-Trimethylbenzene	11.670	105	132234	41.013	ug/L		100
91) 1,2,3-Trichloropropane	11.665	75	29045	39.087	ug/L		98
92) trans-1,4-Dichloro-2-b...	11.718	53	10993	44.416	ug/L	#	81
93) 4-Chlorotoluene	11.796	91	112407	39.011	ug/L		98
94) tert-Butylbenzene	12.006	119	110360	40.542	ug/L		98

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A02.D
Acq On : 10 Feb 2023 07:56 am
Operator : VOA111:NLK
Sample : WG1743940-3,31,5,5
Misc : WG1743940,ICAL19665
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 10 09:06:30 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230210A\V11230210A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	12.085	105	130300	40.590	ug/L	100
98) sec-Butylbenzene	12.195	105	174895	42.438	ug/L	99
99) p-Isopropyltoluene	12.347	119	146645	41.699	ug/L	99
100) 1,3-Dichlorobenzene	12.410	146	77666	39.831	ug/L	100
101) 1,4-Dichlorobenzene	12.504	146	78283	39.088	ug/L	98
102) p-Diethylbenzene	12.714	119	90690	42.945	ug/L	100
103) n-Butylbenzene	12.772	91	142232	43.852	ug/L	98
104) 1,2-Dichlorobenzene	12.918	146	72268	39.160	ug/L	98
105) 1,2,4,5-Tetramethylben...	13.495	119	132366	40.132	ug/L	100
106) 1,2-Dibromo-3-chloropr...	13.689	155	5431	38.816	ug/L	98
108) Hexachlorobutadiene	14.297	225	23911	41.758	ug/L	99
109) 1,2,4-Trichlorobenzene	14.318	180	47748	41.036	ug/L	98
110) Naphthalene	14.612	128	100704	40.258	ug/L	100
111) 1,2,3-Trichlorobenzene	14.780	180	40495	41.686	ug/L	98

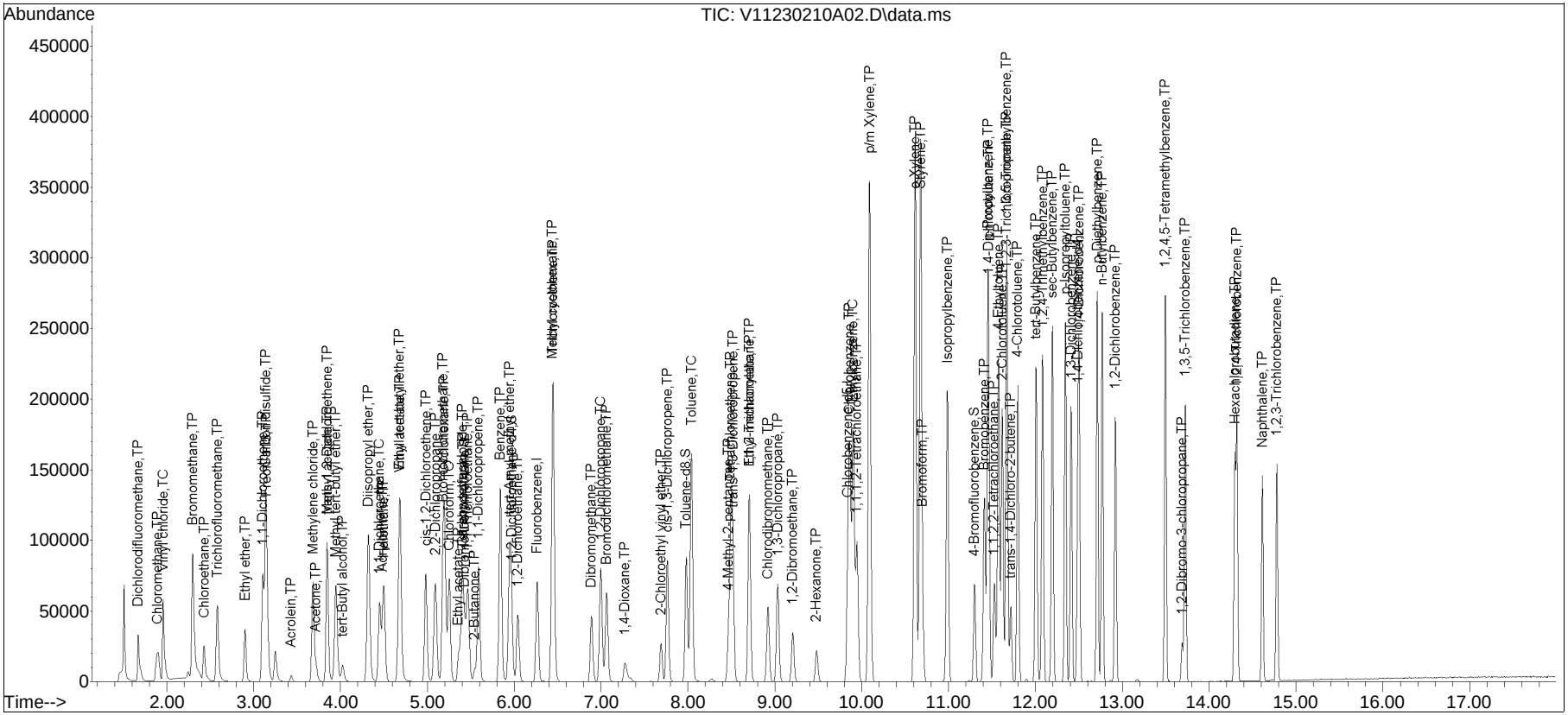
(#) = qualifier out of range (m) = manual integration (+) = signals summed

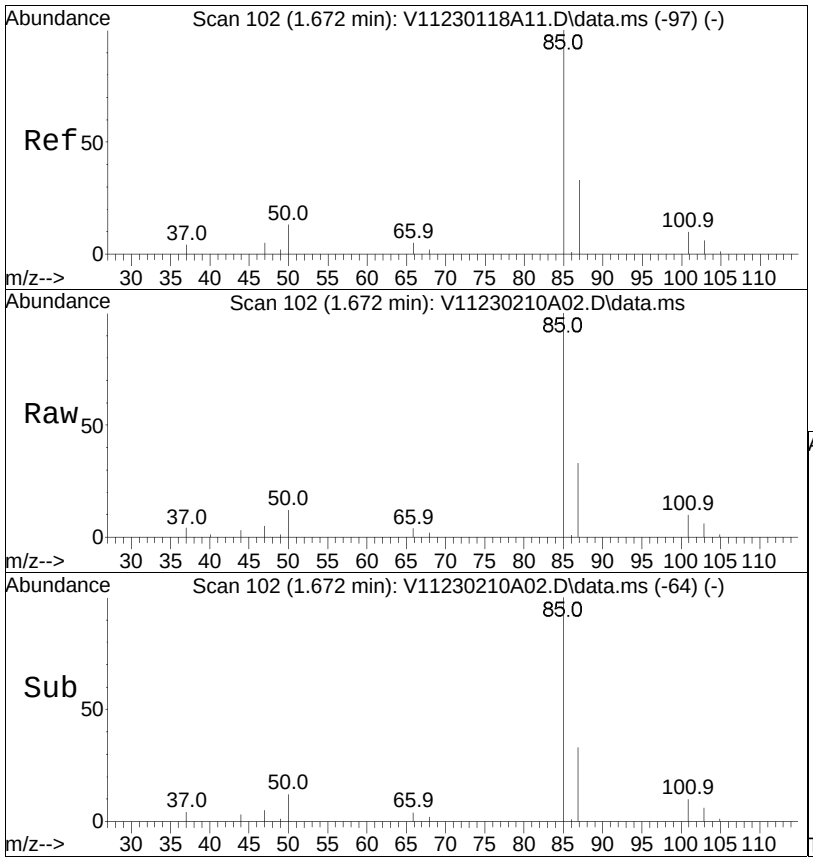
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A02.D
Acq On : 10 Feb 2023 07:56 am
Operator : VOA111:NLK
Sample : WG1743940-3,31,5,5
Misc : WG1743940,ICAL19665
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 10 09:06:30 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox0A\\V11230210A01.D•

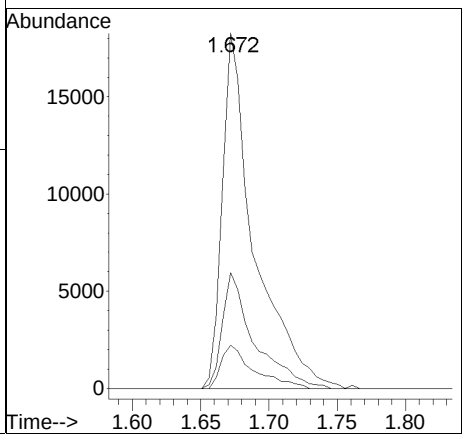


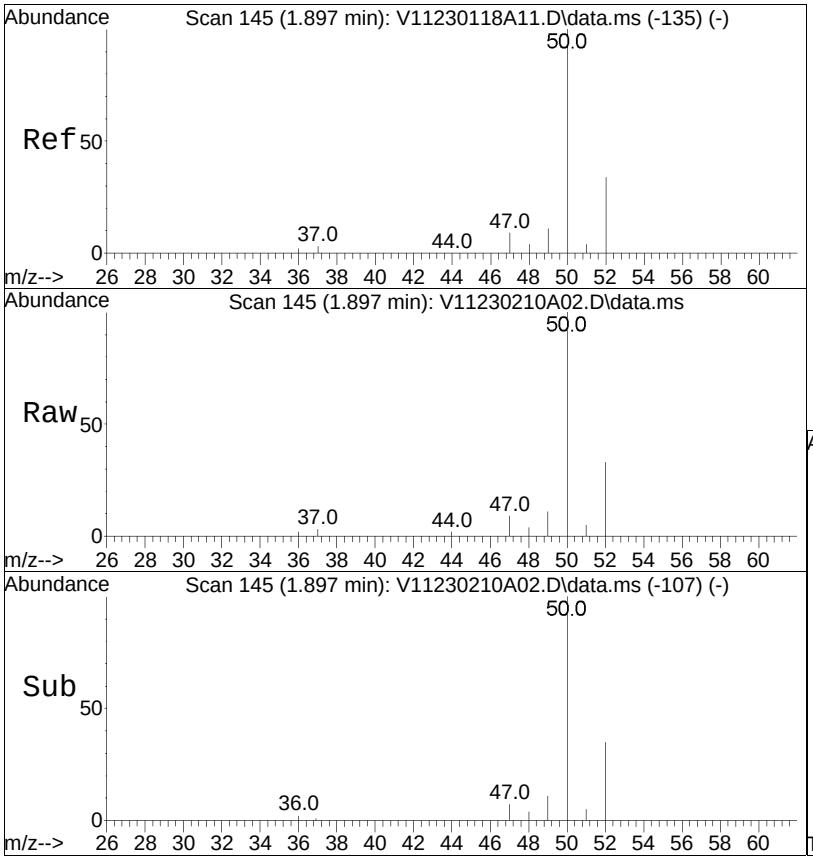


#2
Dichlorodifluoromethane
Concen: 35.34 ug/L
RT: 1.672 min Scan# 102
Delta R.T. -0.000 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 85 Resp: 29839

Ion	Ratio	Lower	Upper
85	100		
87	32.6	20.7	43.1
50	12.4	9.8	20.3

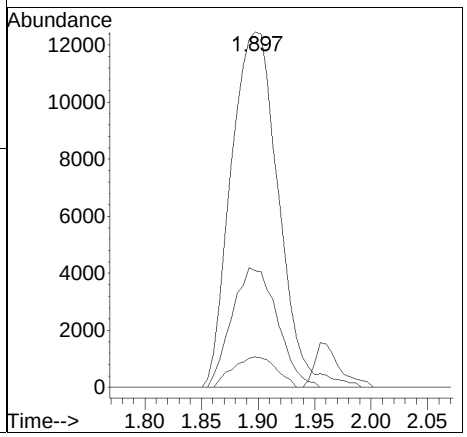


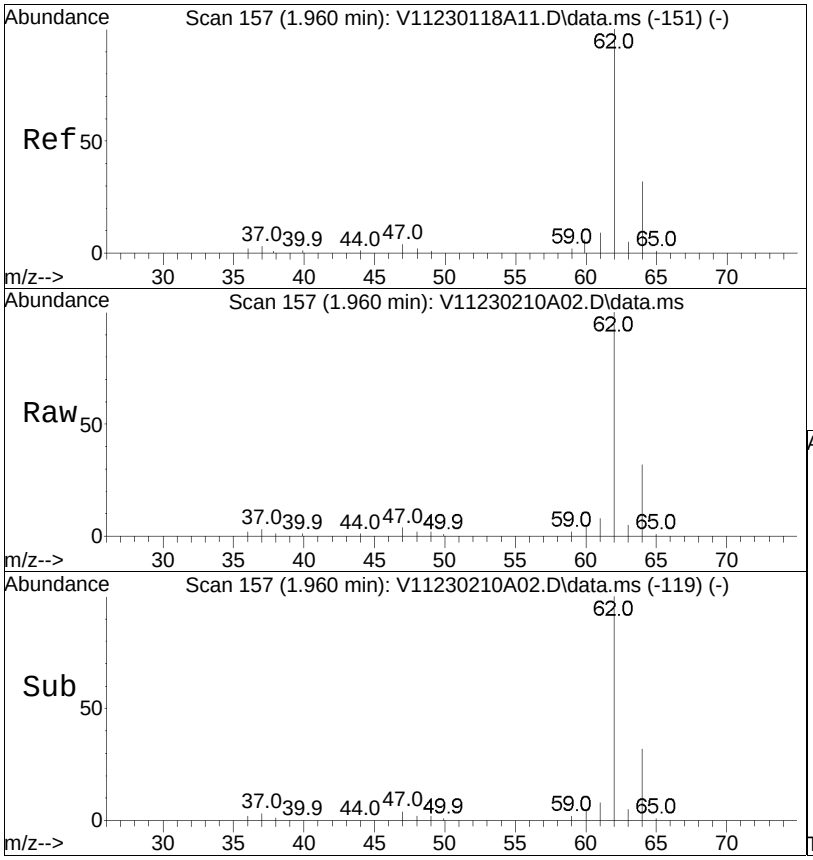


#3
Chloromethane
Concen: 36.91 ug/L
RT: 1.897 min Scan# 145
Delta R.T. 0.000 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 50 Resp: 36421

Ion	Ratio	Lower	Upper
50	100		
52	32.3	10.9	50.9
47	7.9	0.0	27.2

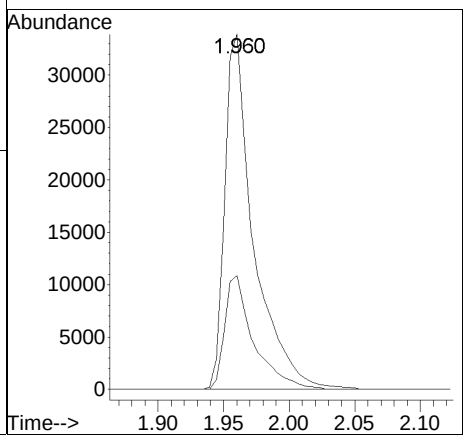


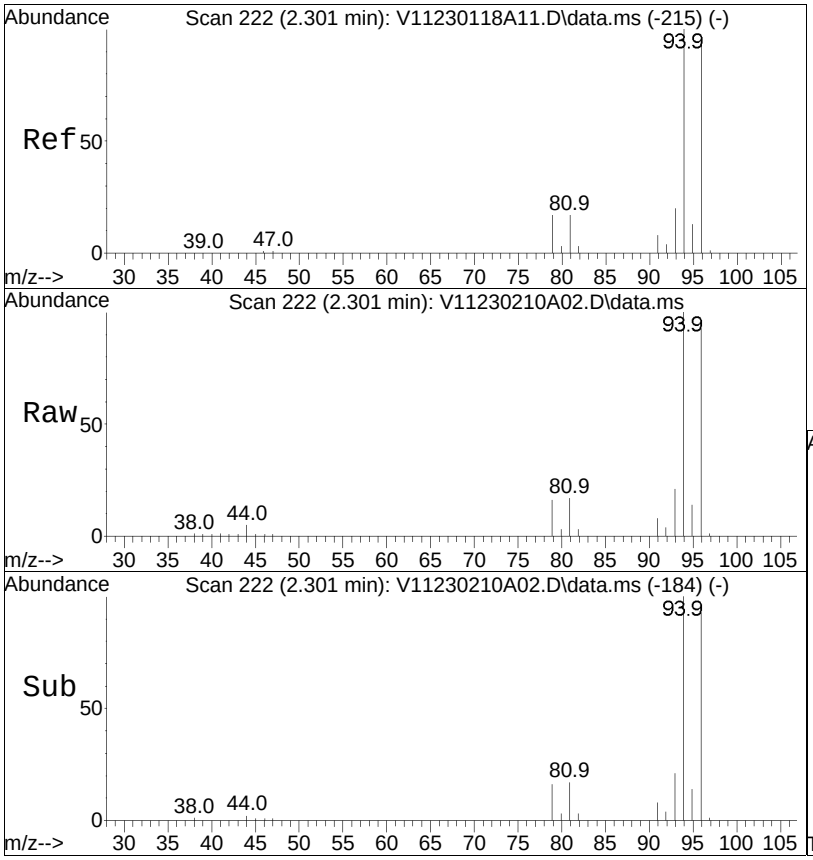


#4
Vinyl chloride
Concen: 42.70 ug/L
RT: 1.960 min Scan# 157
Delta R.T. 0.000 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 62 Resp: 51904

Ion	Ratio	Lower	Upper
62	100		
64	32.1	9.9	49.9

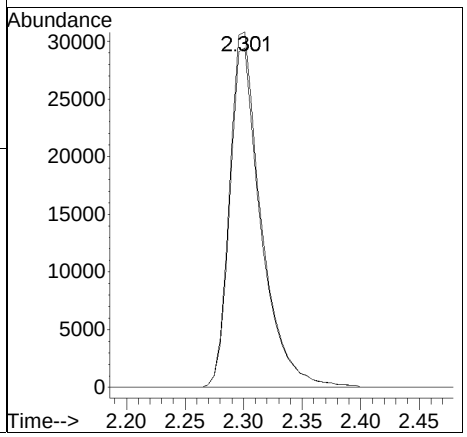


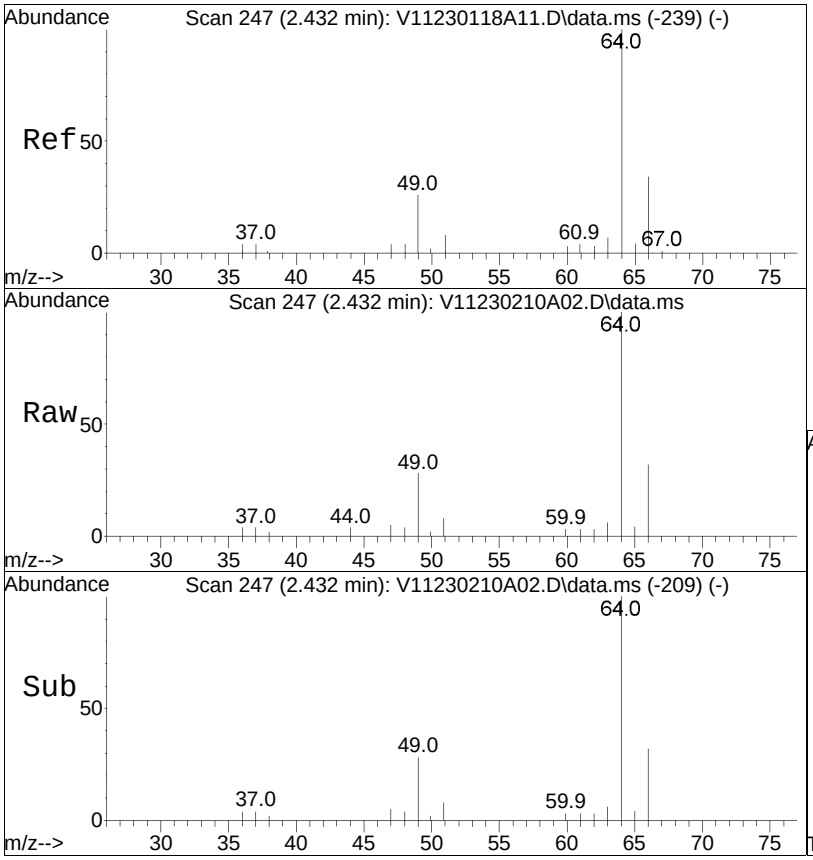


#5
Bromomethane
Concen: 43.51 ug/L
RT: 2.301 min Scan# 222
Delta R.T. 0.000 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 94 Resp: 58108

Ion	Ratio	Lower	Upper
94	100		
96	94.3	72.6	112.6

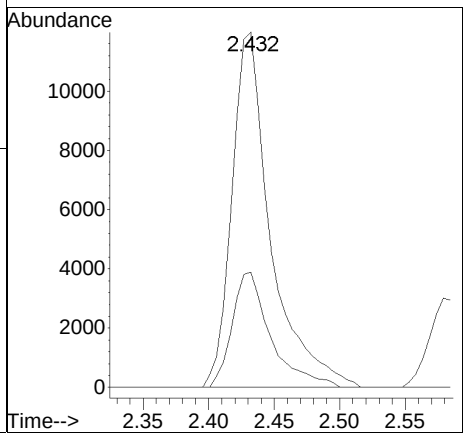


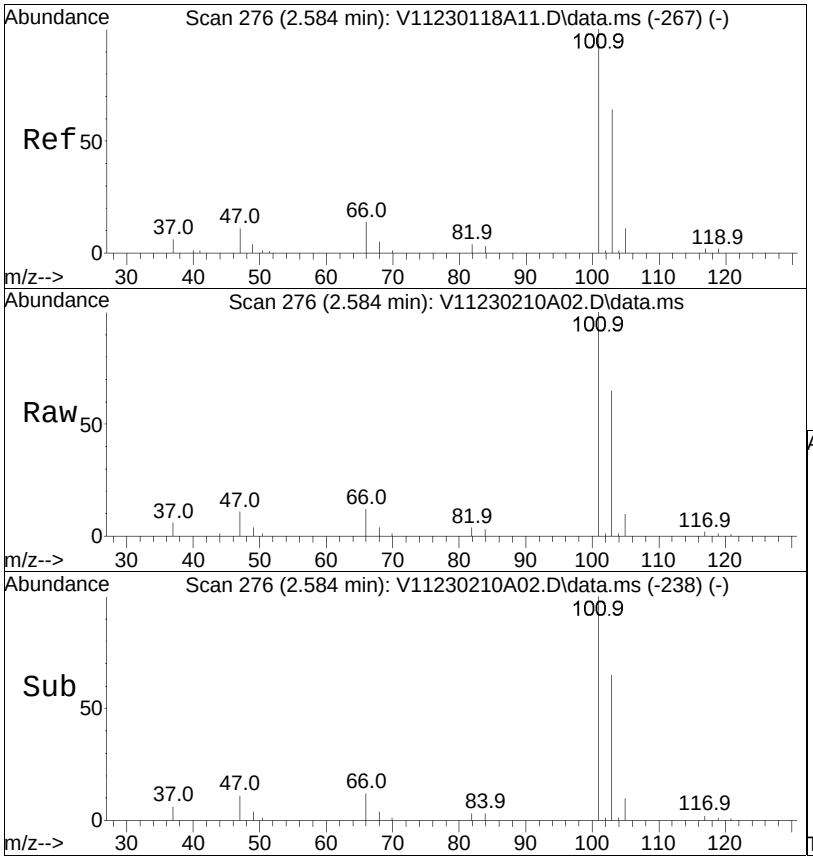


#6
Chloroethane
Concen: 45.59 ug/L
RT: 2.432 min Scan# 247
Delta R.T. 0.000 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 64 Resp: 24663

Ion	Ratio	Lower	Upper
64	100		
66	32.4	10.2	50.2

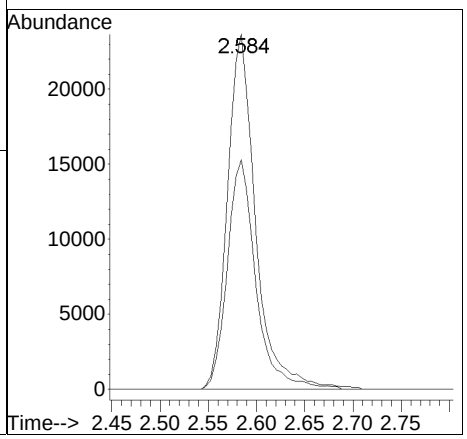


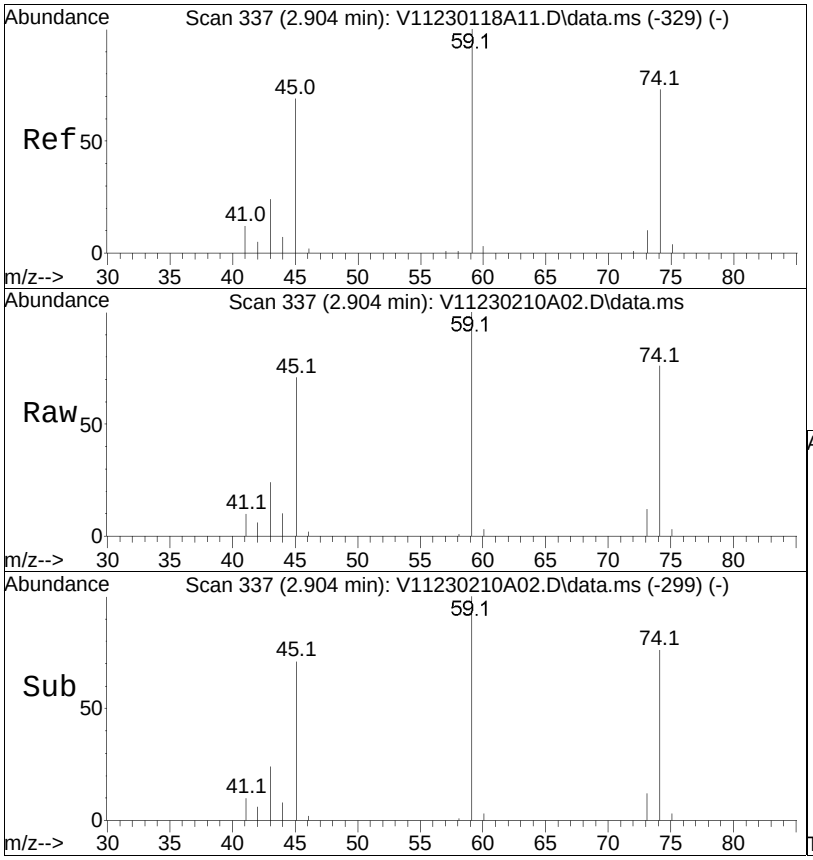


#7
Trichlorofluoromethane
Concen: 43.31 ug/L
RT: 2.584 min Scan# 276
Delta R.T. 0.000 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:101 Resp: 48394

Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.8	77.6

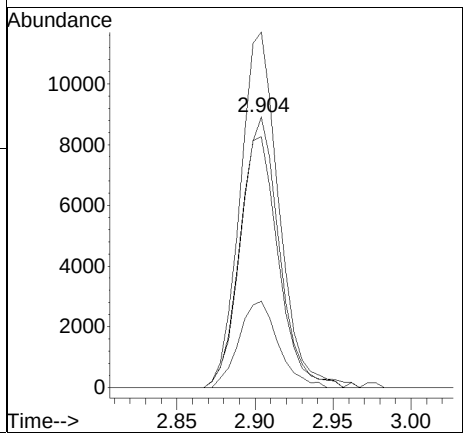


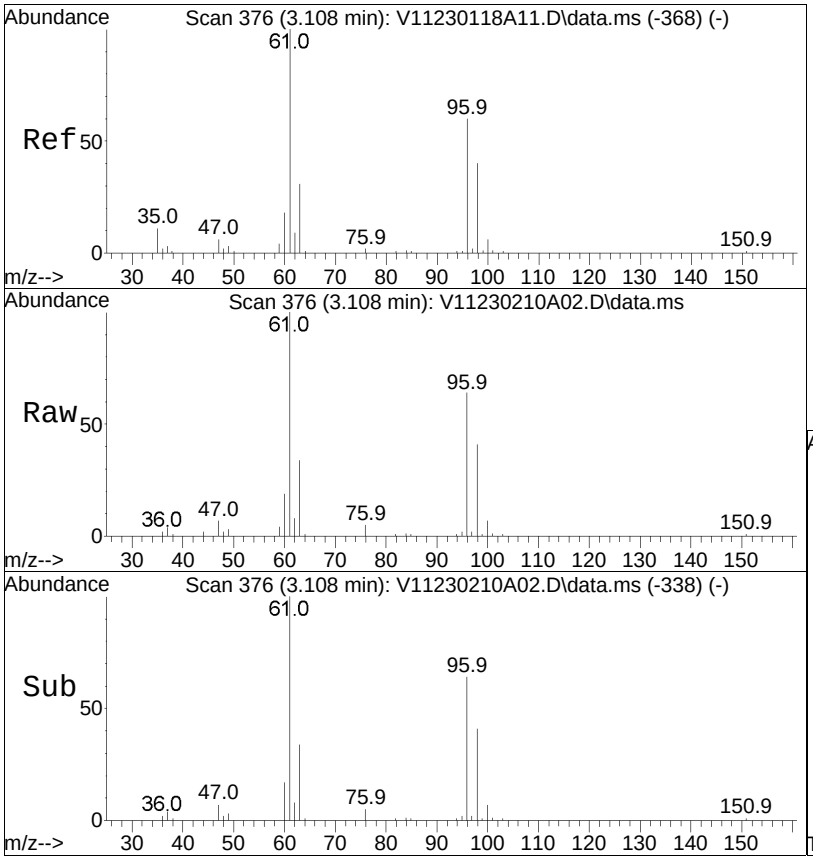


#8
Ethyl ether
Concen: 42.71 ug/L
RT: 2.904 min Scan# 337
Delta R.T. -0.000 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 74 Resp: 15349

Ion	Ratio	Lower	Upper
74	100		
59	131.7	113.5	235.7
45	93.1	100.4	208.4#
43	32.5	27.1	56.3

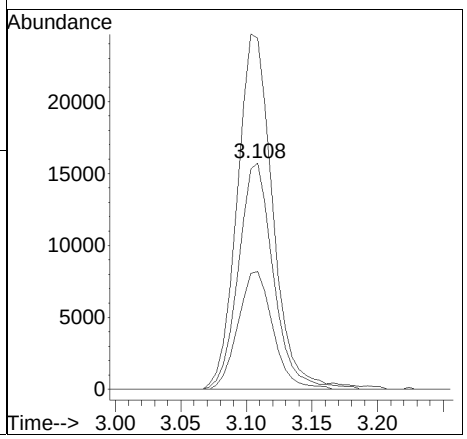


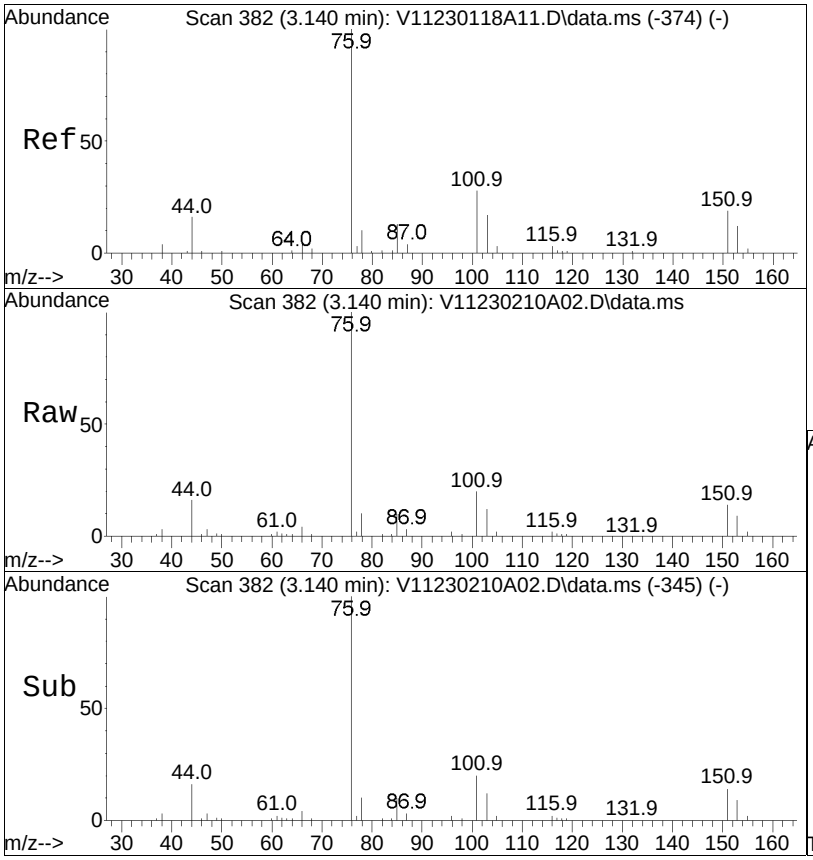


#10
1,1-Dichloroethene
Concen: 40.59 ug/L
RT: 3.108 min Scan# 376
Delta R.T. 0.000 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 96 Resp: 29299

Ion	Ratio	Lower	Upper
96	100		
61	159.8	157.7	236.5
63	52.0	47.9	71.9

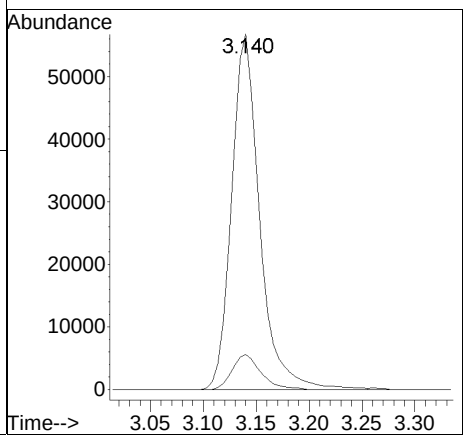


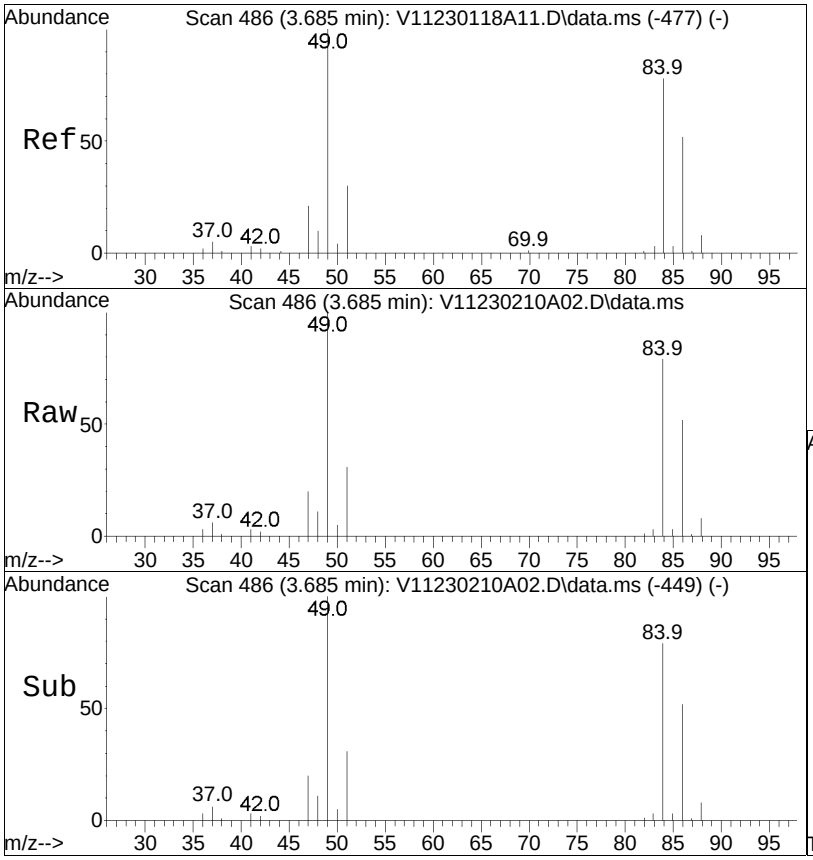


#11
Carbon disulfide
Concen: 64.95 ug/L
RT: 3.140 min Scan# 382
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 76 Resp: 104699

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.4	13.4

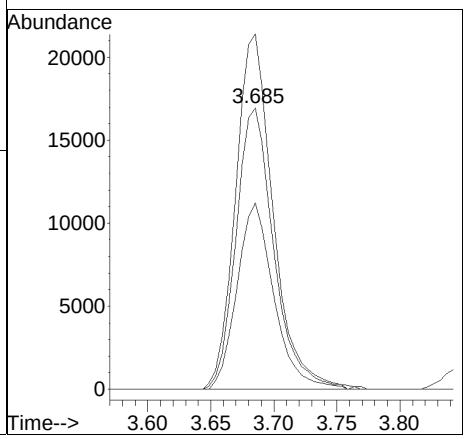


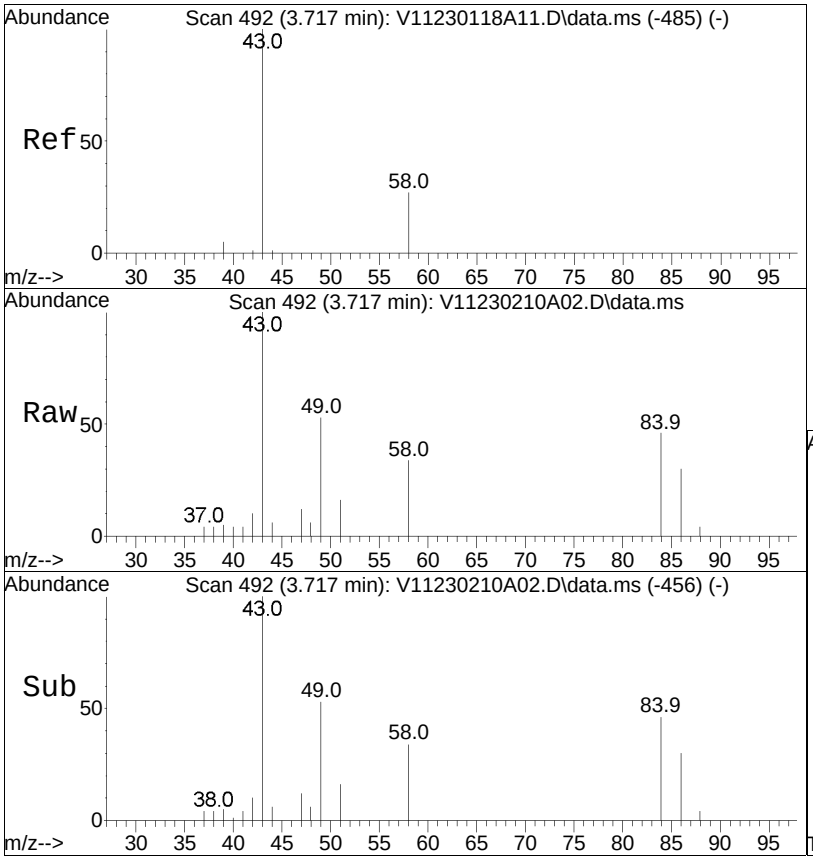


#15
Methylene chloride
Concen: 33.87 ug/L
RT: 3.685 min Scan# 486
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 84 Resp: 35406

Ion	Ratio	Lower	Upper
84	100		
86	64.7	41.1	85.3
49	125.5	124.2	258.0

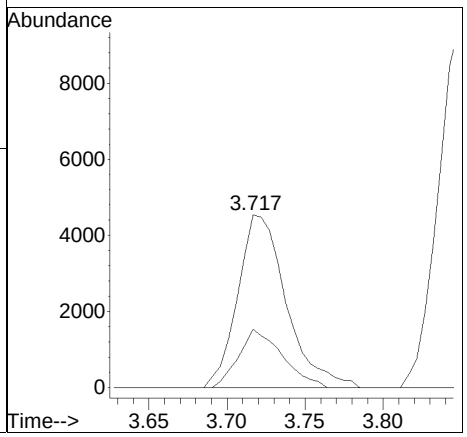


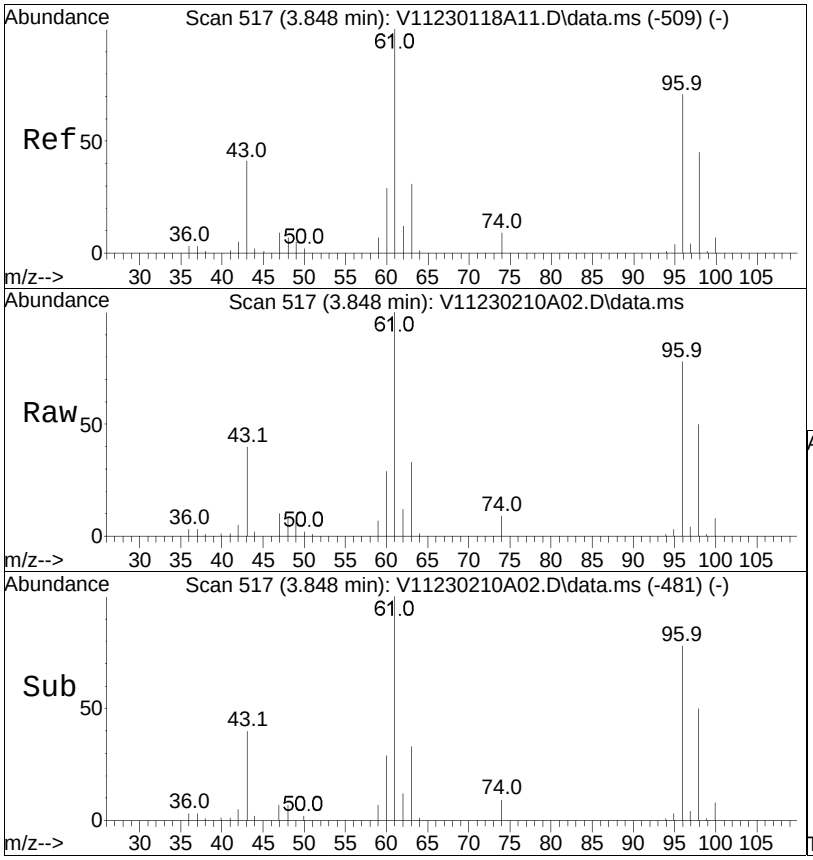


#17
Acetone
Concen: 40.03 ug/L
RT: 3.717 min Scan# 492
Delta R.T. -0.010 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 43 Resp: 9806

Ion	Ratio	Lower	Upper
43	100		
58	30.3	20.8	31.2

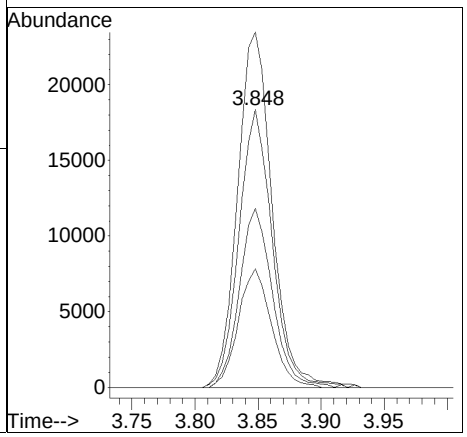


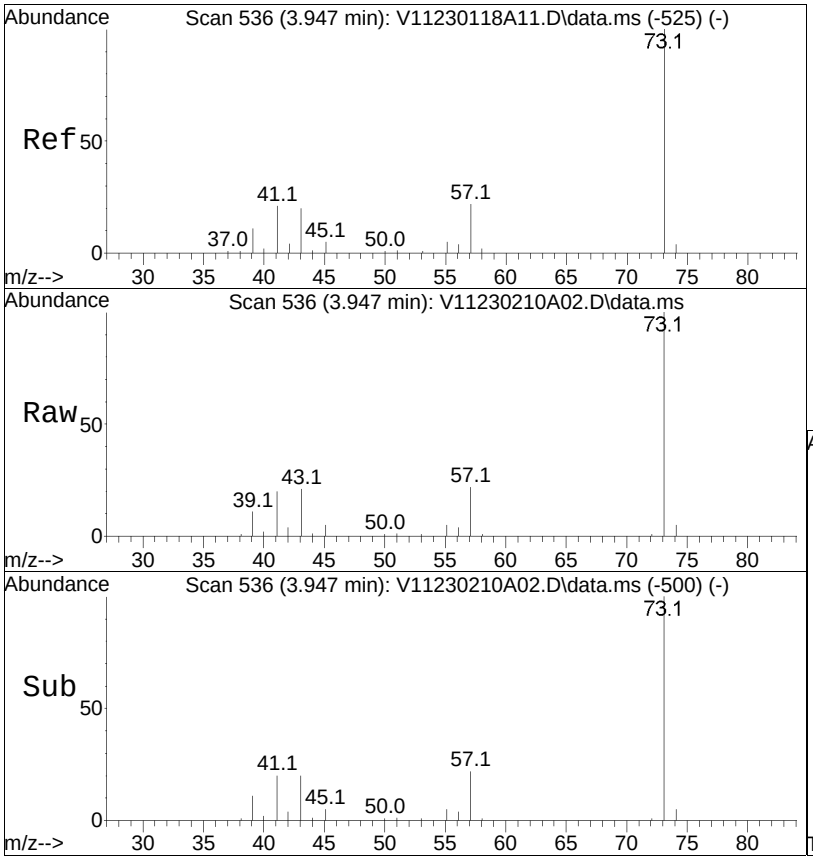


#18
trans-1,2-Dichloroethene
Concen: 39.34 ug/L
RT: 3.848 min Scan# 517
Delta R.T. -0.010 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 96 Resp: 33849

Ion	Ratio	Lower	Upper
96	100		
61	132.3	111.1	230.8
98	64.0	41.8	86.8
63	42.4	33.3	69.1

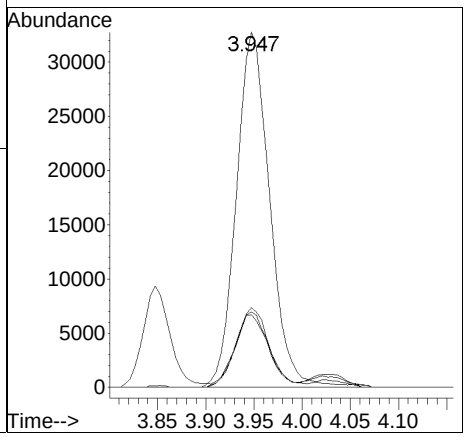


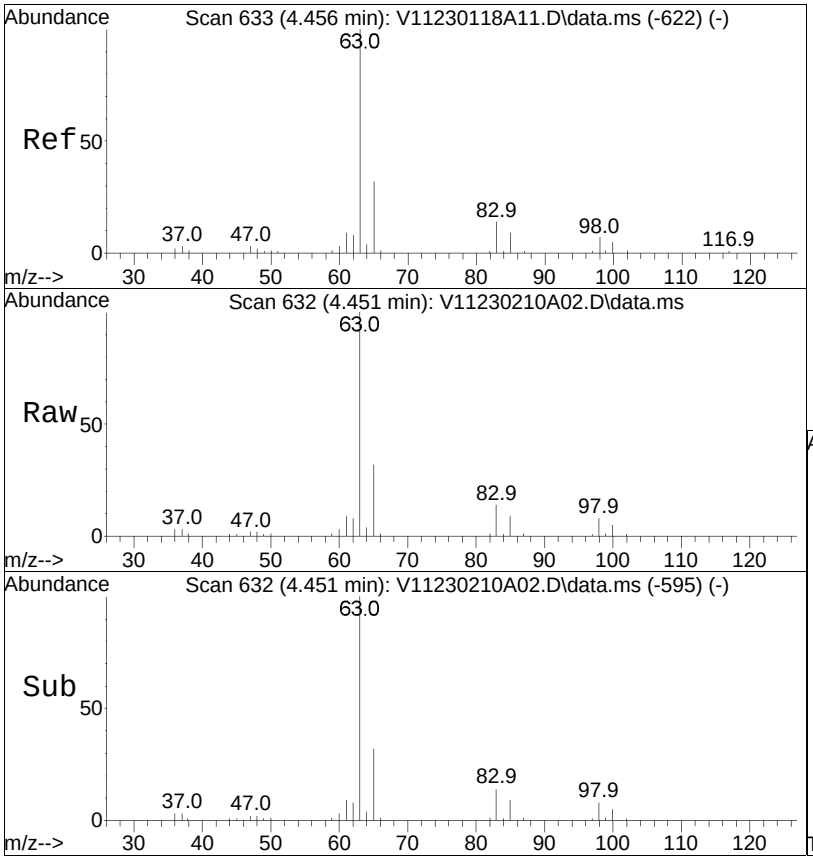


#20
Methyl tert-butyl ether
Concen: 38.97 ug/L
RT: 3.947 min Scan# 536
Delta R.T. -0.011 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 73 Resp: 79058

Ion	Ratio	Lower	Upper
73	100		
57	22.5	19.6	40.6
43	21.5	18.5	38.3
41	20.6	20.3	42.1

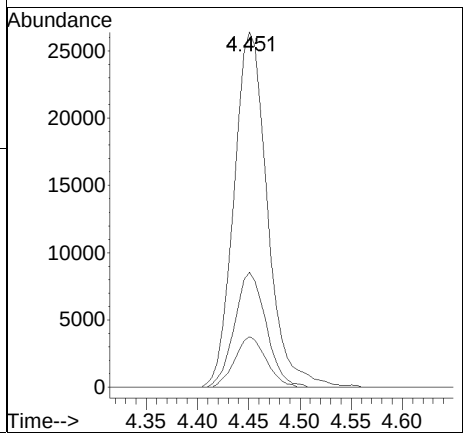


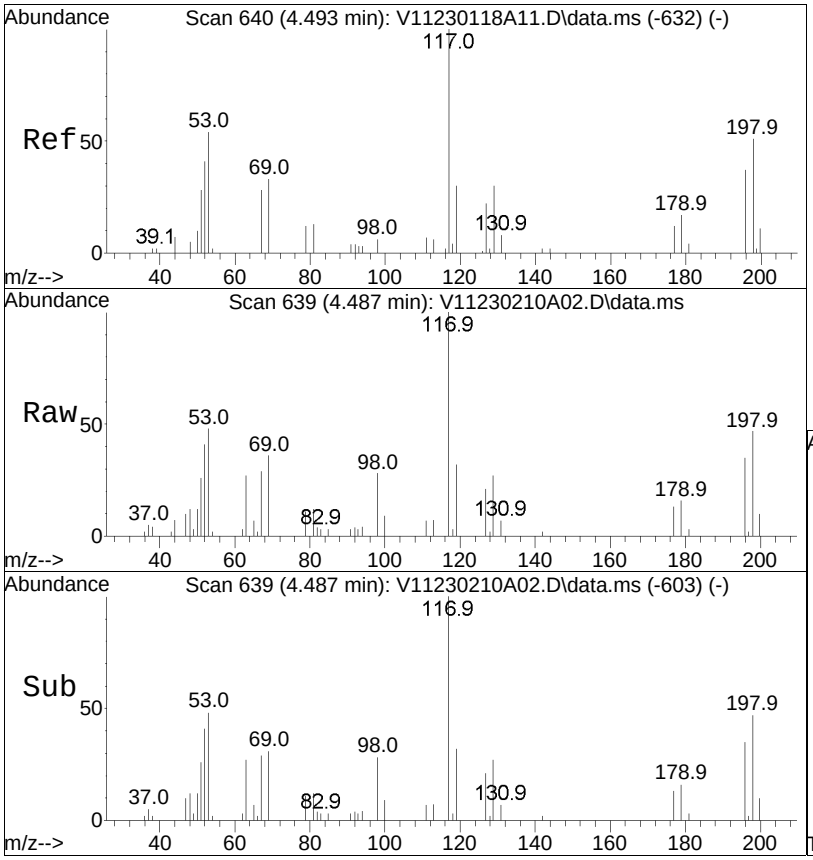


#23
1,1-Dichloroethane
Concen: 38.74 ug/L
RT: 4.451 min Scan# 632
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 63 Resp: 60270

Ion	Ratio	Lower	Upper
63	100		
65	30.6	9.0	49.0
83	13.3	0.0	31.4

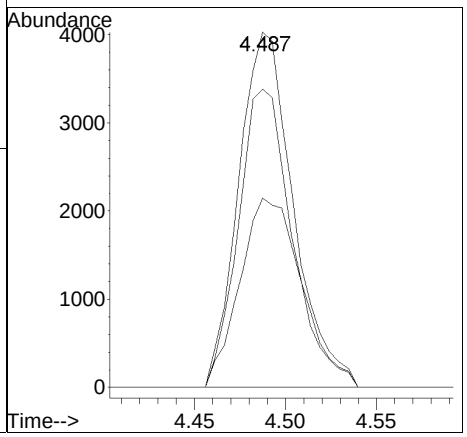


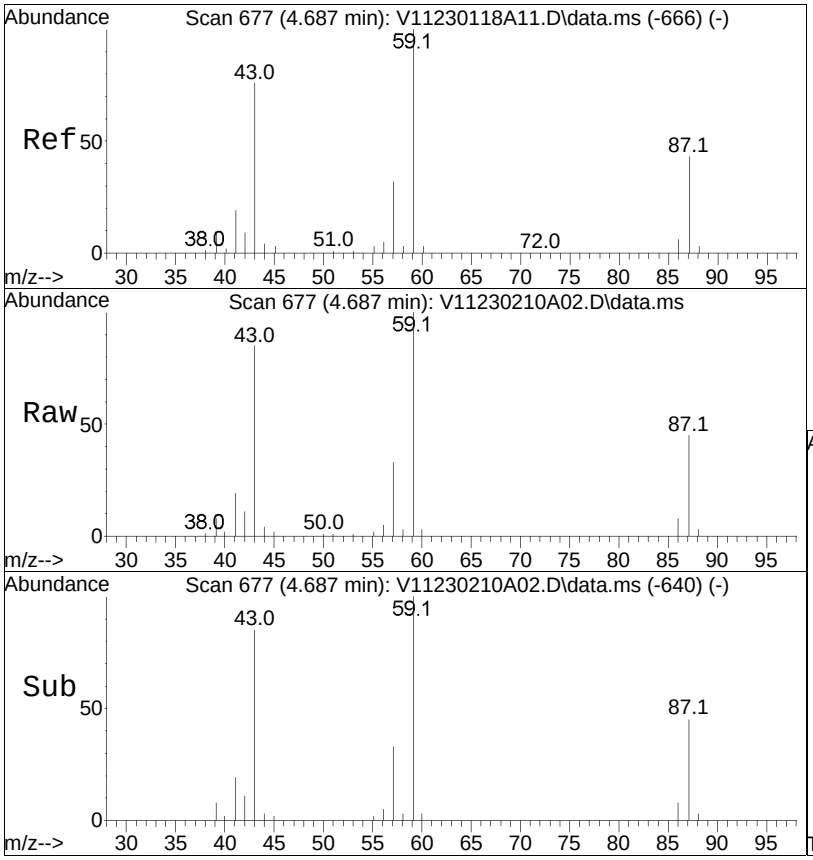


#25
Acrylonitrile
Concen: 40.89 ug/L
RT: 4.487 min Scan# 639
Delta R.T. -0.011 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 53 Resp: 8433

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.9	100.3
51	60.3	42.6	63.8

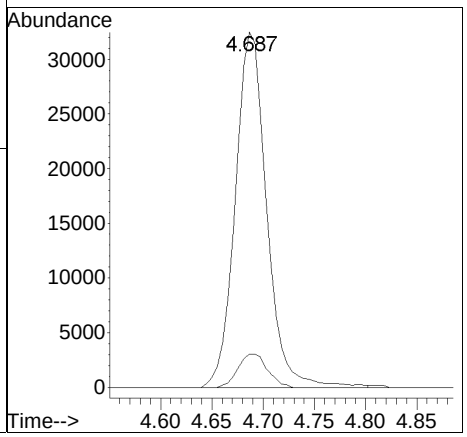


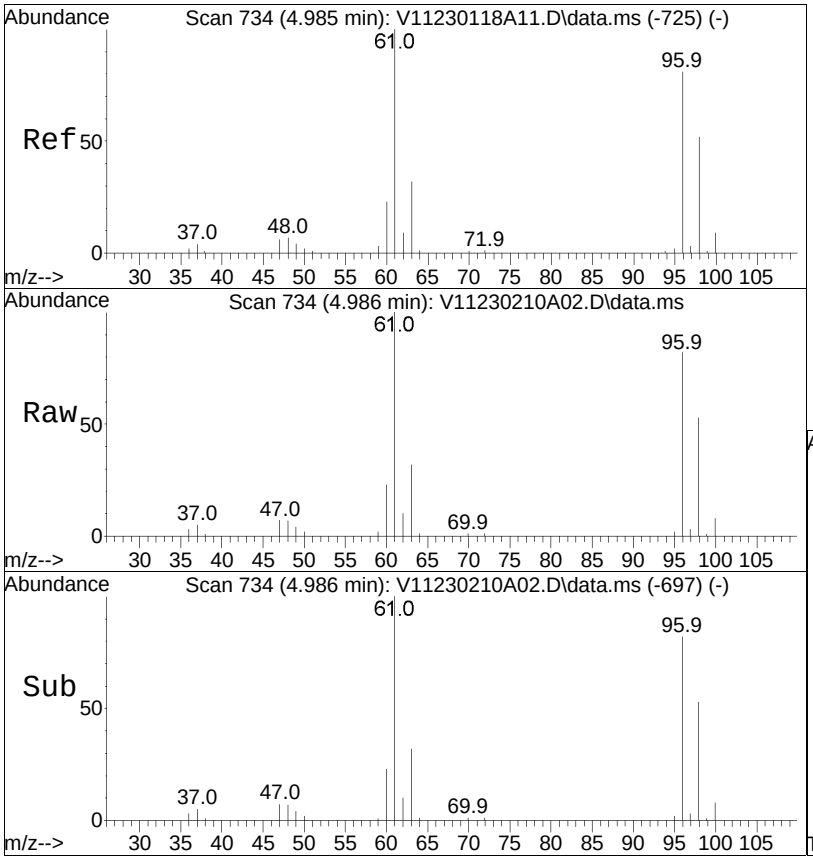


#27
Vinyl acetate
Concen: 40.63 ug/L
RT: 4.687 min Scan# 677
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 43 Resp: 69222

Ion	Ratio	Lower	Upper
43	100		
86	8.8	4.6	6.8#

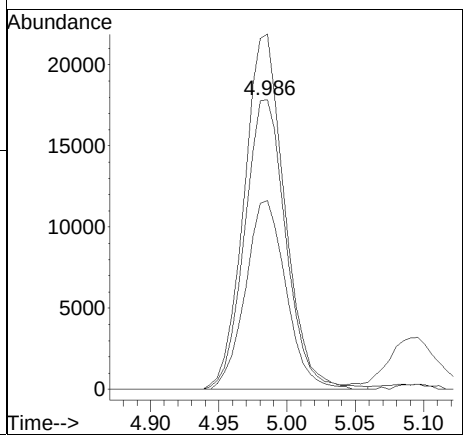


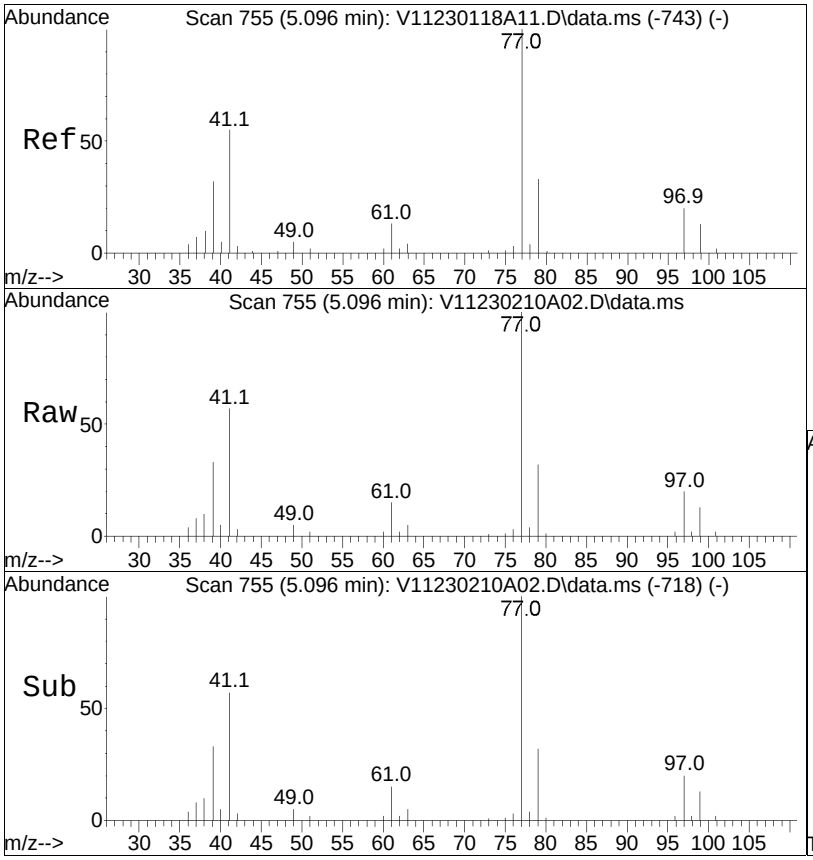


#28
cis-1,2-Dichloroethene
Concen: 38.51 ug/L
RT: 4.986 min Scan# 734
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 96 Resp: 37533

Ion	Ratio	Lower	Upper
96	100		
61	120.4	126.3	189.5#
98	64.1	51.0	76.6

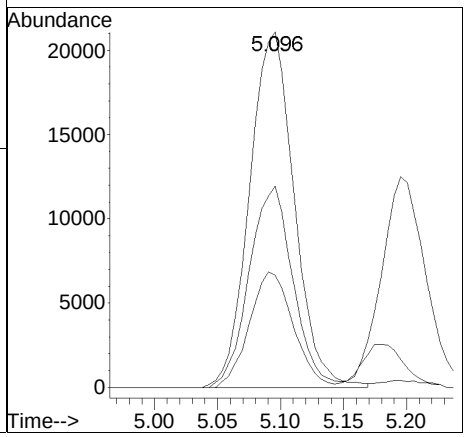


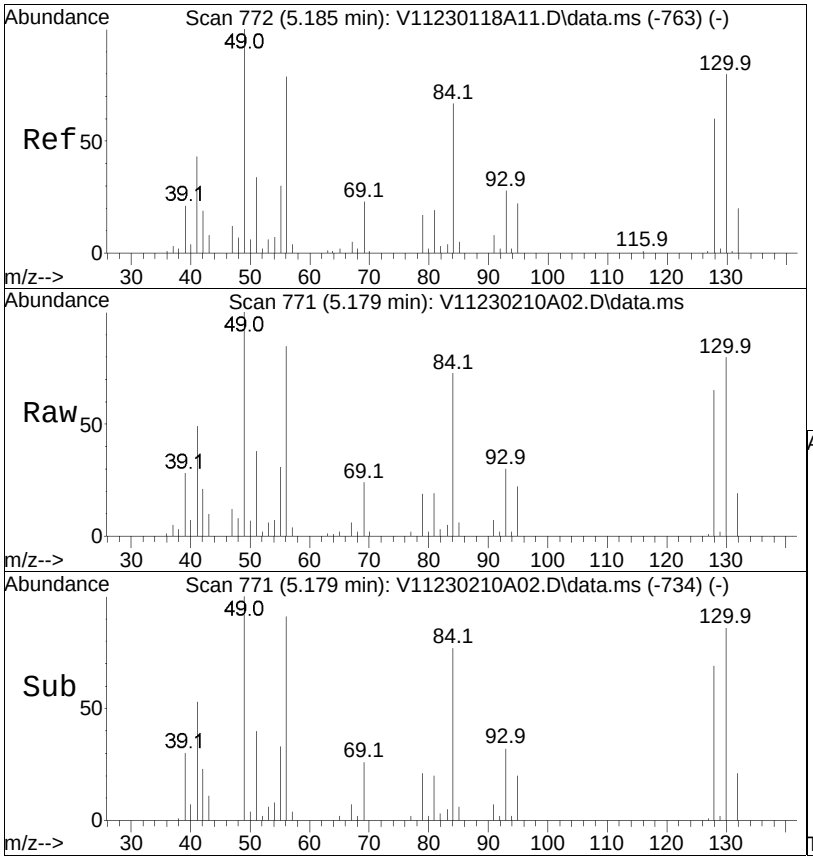


#29
2,2-Dichloropropane
Concen: 40.79 ug/L
RT: 5.096 min Scan# 755
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 77 Resp: 51941

Ion	Ratio	Lower	Upper
77	100		
41	55.6	45.5	94.5
79	31.9	20.9	43.3

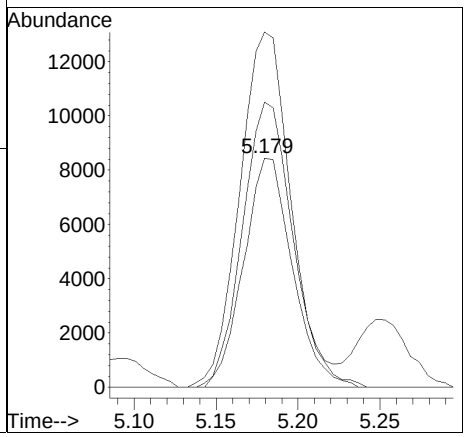


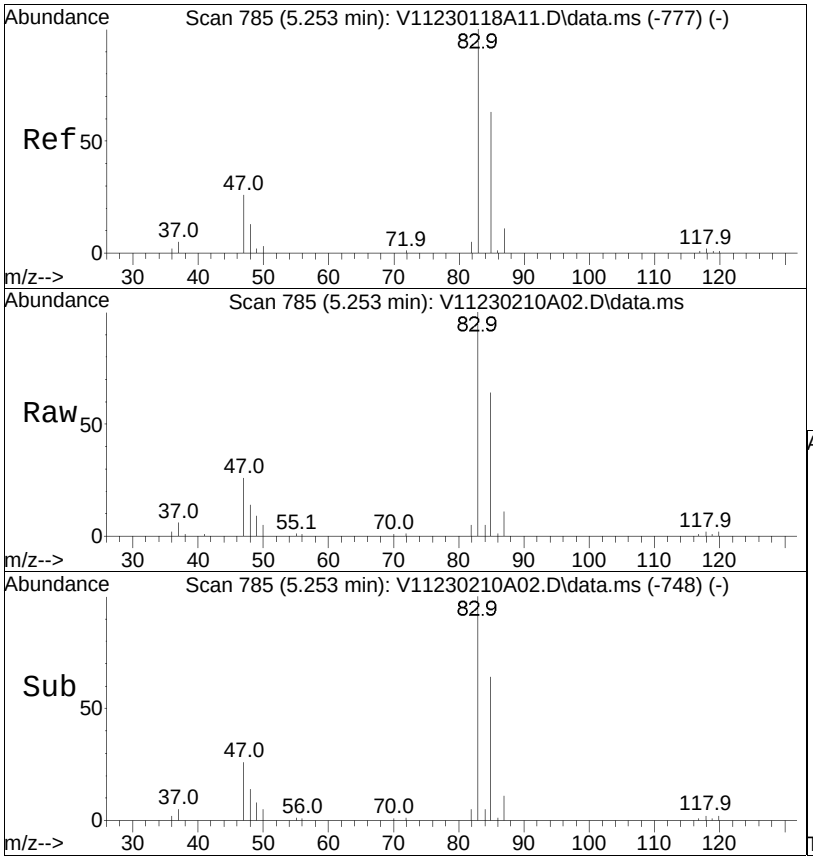


#30
Bromochloromethane
Concen: 38.74 ug/L
RT: 5.179 min Scan# 771
Delta R.T. -0.006 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:128 Resp: 17541

Ion	Ratio	Lower	Upper
128	100		
49	162.4	201.3	301.9#
130	128.8	106.2	159.2

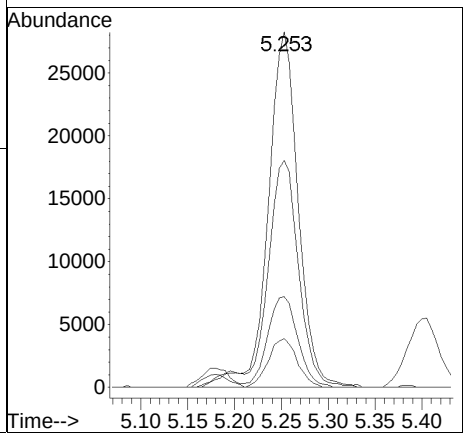


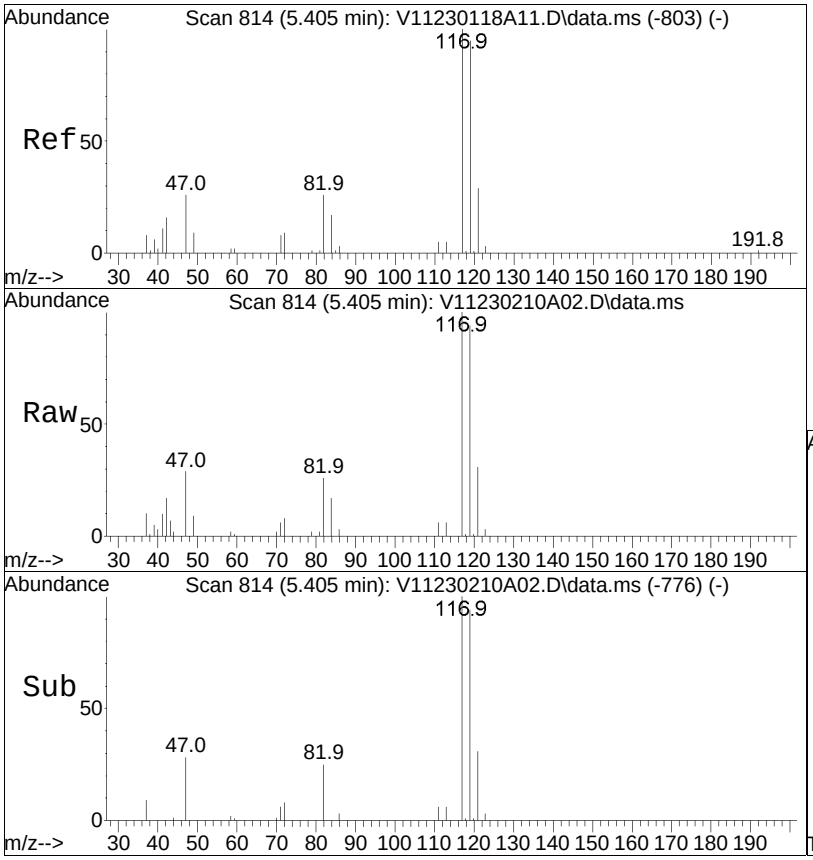


#32
Chloroform
Concen: 38.71 ug/L
RT: 5.253 min Scan# 785
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 83 Resp: 63483

Ion	Ratio	Lower	Upper
83	100		
85	63.4	41.9	87.1
47	25.7	20.9	43.3
48	13.1	9.9	20.5

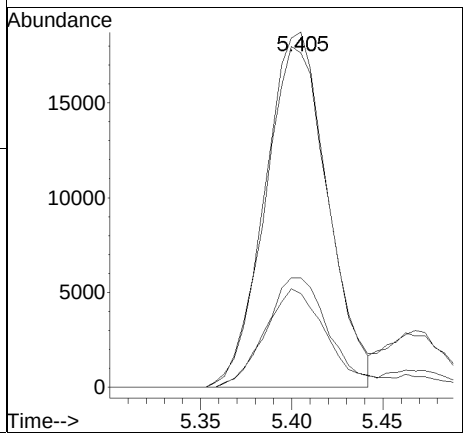


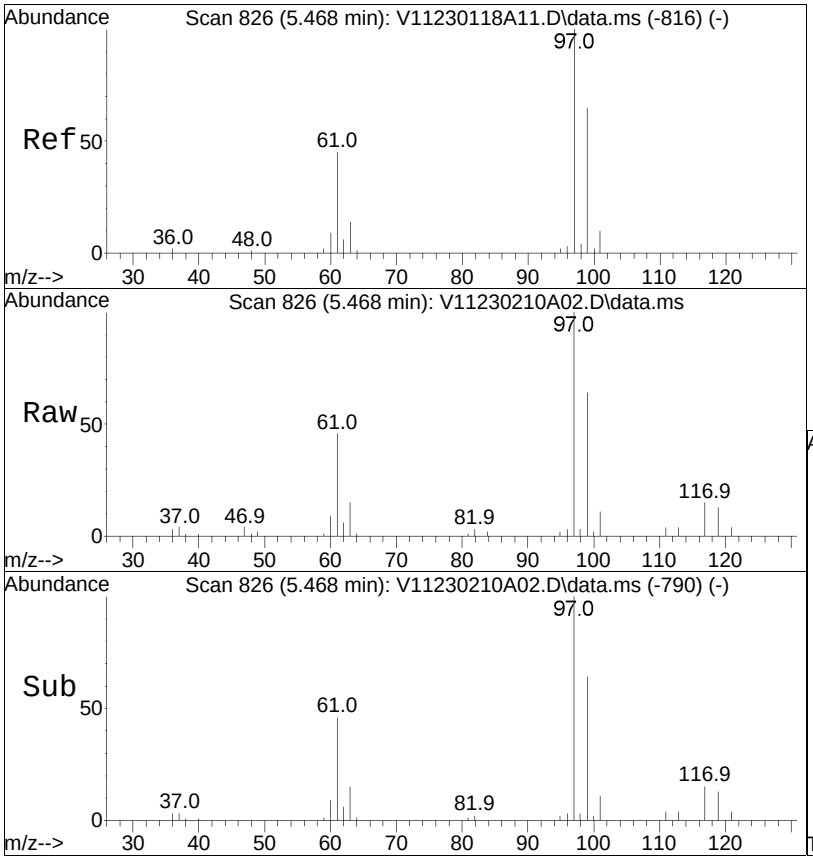


#34
Carbon tetrachloride
Concen: 39.96 ug/L
RT: 5.405 min Scan# 814
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:117 Resp: 44806

Ion	Ratio	Lower	Upper
117	100		
119	97.9	64.0	132.8
121	31.0	20.7	42.9
82	28.2	16.3	33.8

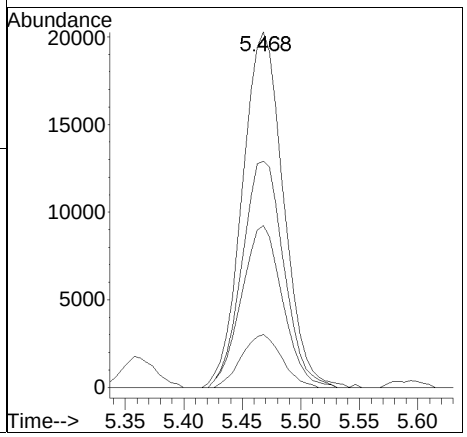


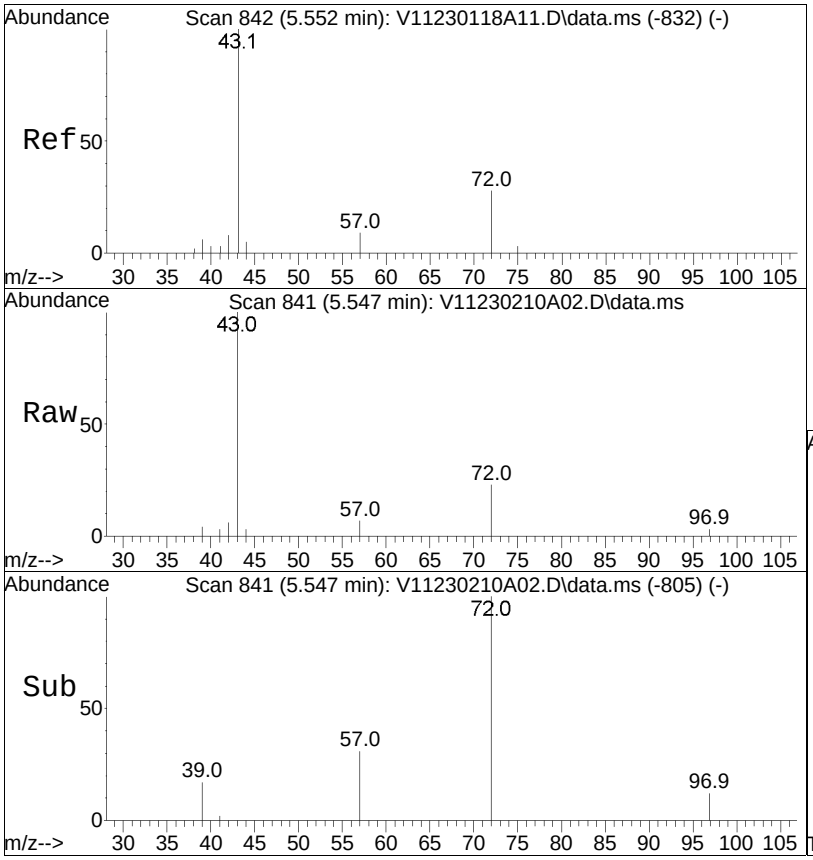


#37
1,1,1-Trichloroethane
Concen: 40.65 ug/L
RT: 5.468 min Scan# 826
Delta R.T. -0.010 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 97 Resp: 49633

Ion	Ratio	Lower	Upper
97	100		
99	64.5	41.5	86.1
61	45.7	32.2	67.0
63	14.6	10.1	20.9

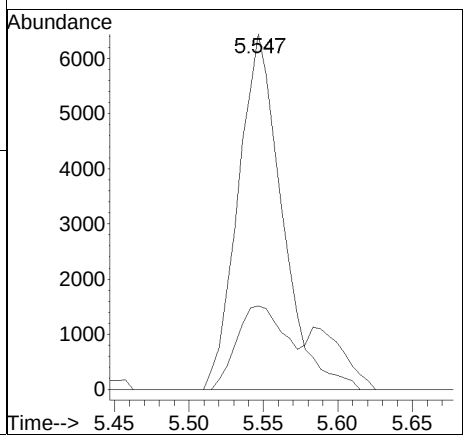


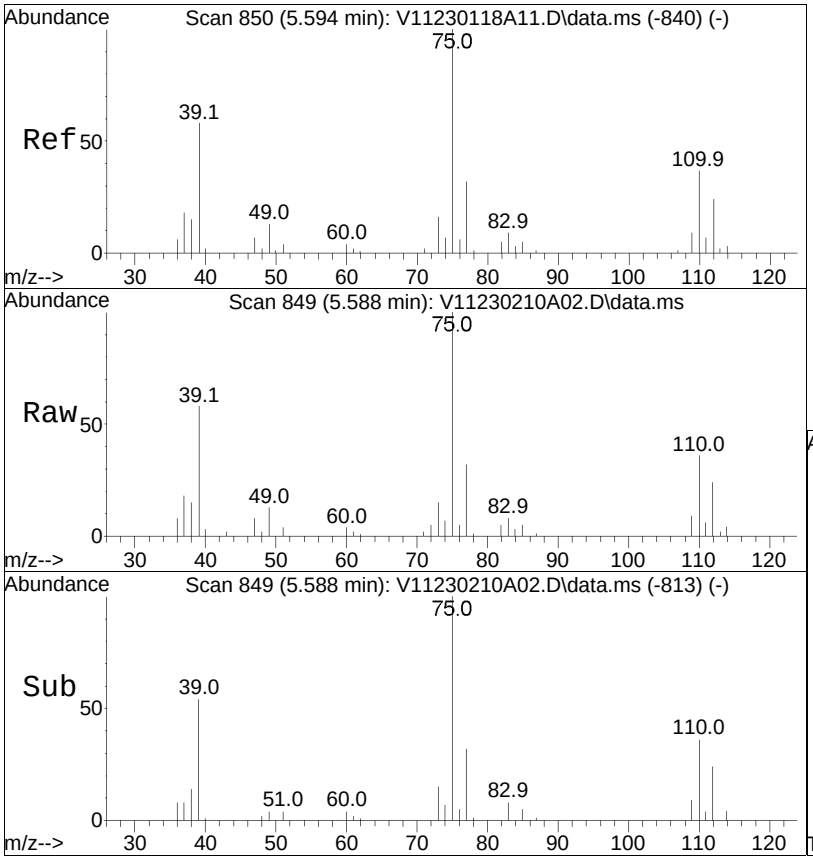


#39
2-Butanone
Concen: 41.41 ug/L
RT: 5.547 min Scan# 841
Delta R.T. -0.011 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 43 Resp: 13177

Ion	Ratio	Lower	Upper
43	100		
72	26.2	21.0	31.6

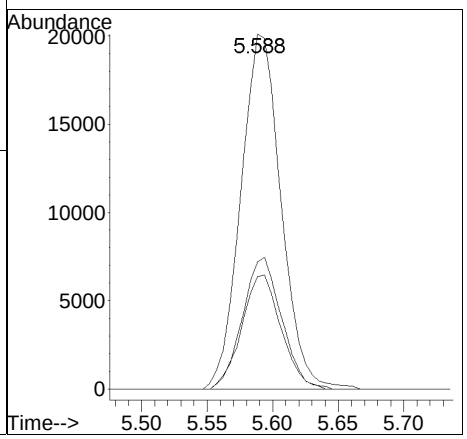


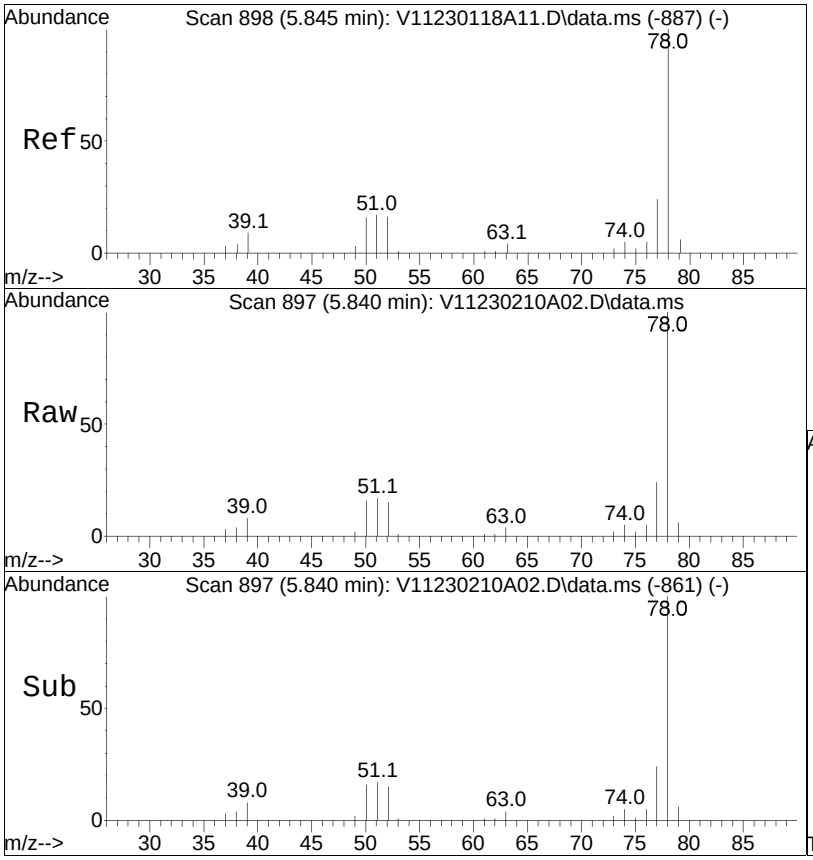


#40
1,1-Dichloropropene
Concen: 40.58 ug/L
RT: 5.588 min Scan# 849
Delta R.T. -0.011 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 75 Resp: 43005

Ion	Ratio	Lower	Upper
75	100		
110	36.0	23.6	49.0
77	31.6	20.2	41.9

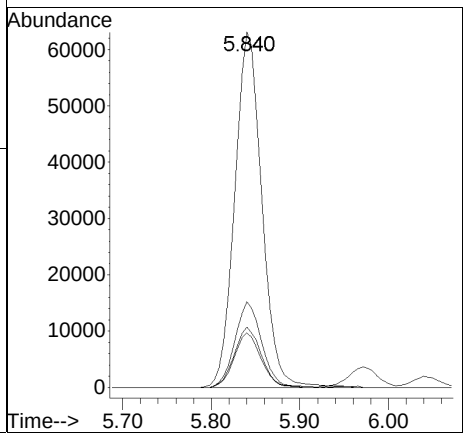


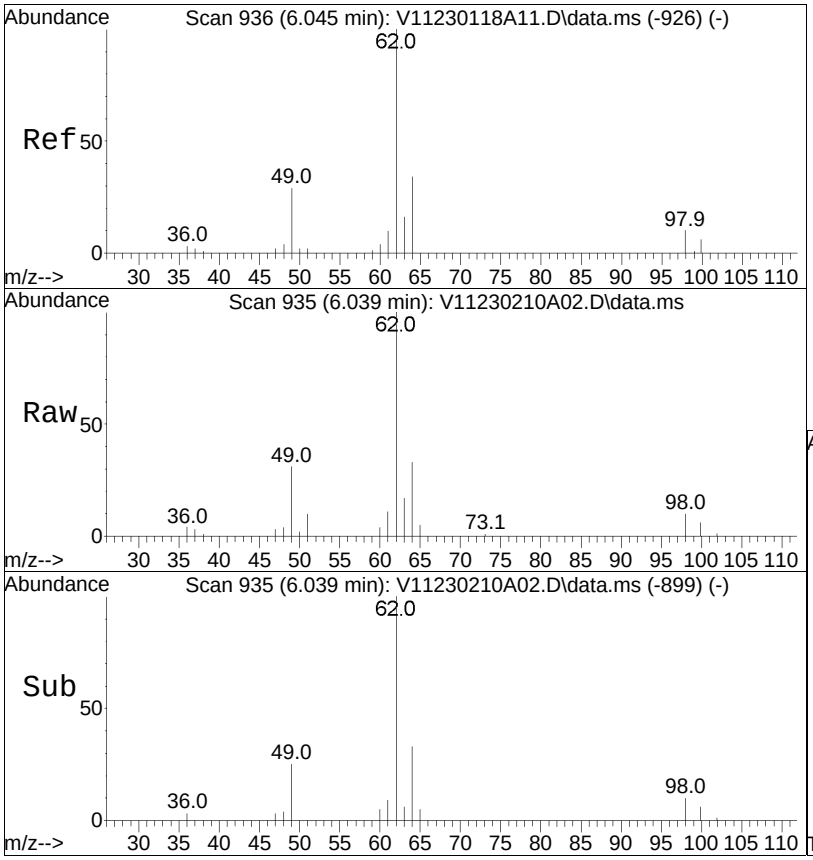


#41
Benzene
Concen: 39.33 ug/L
RT: 5.840 min Scan# 897
Delta R.T. -0.010 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 78 Resp: 134236

Ion	Ratio	Lower	Upper
78	100		
77	23.8	15.1	31.3
51	16.8	15.8	32.8
52	15.1	15.6	32.4#

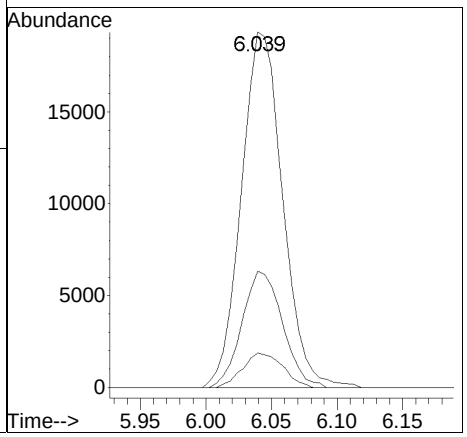


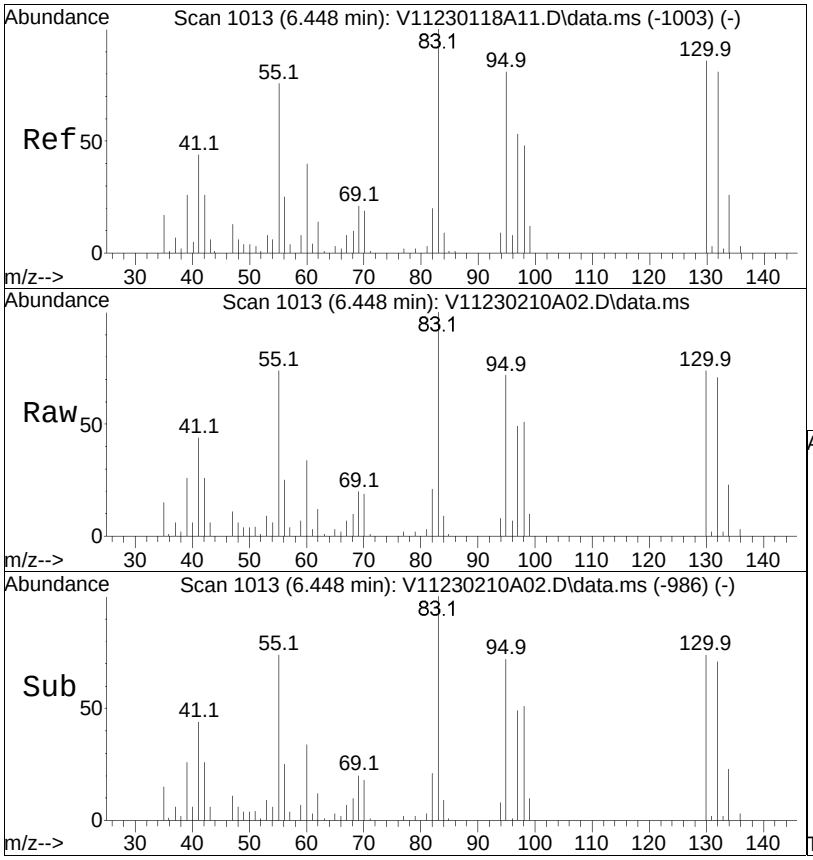


#44
1,2-Dichloroethane
Concen: 36.65 ug/L
RT: 6.039 min Scan# 935
Delta R.T. -0.011 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 62 Resp: 42395

Ion	Ratio	Lower	Upper
62	100		
64	32.0	11.1	51.1
98	9.4	0.0	28.0

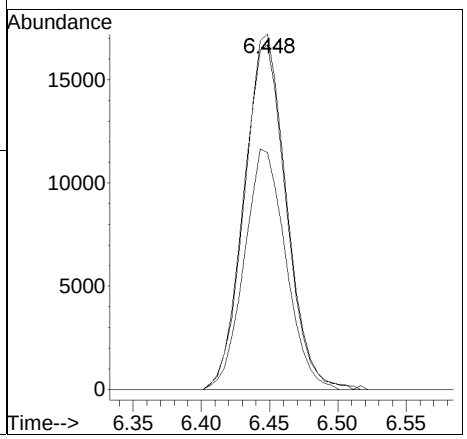


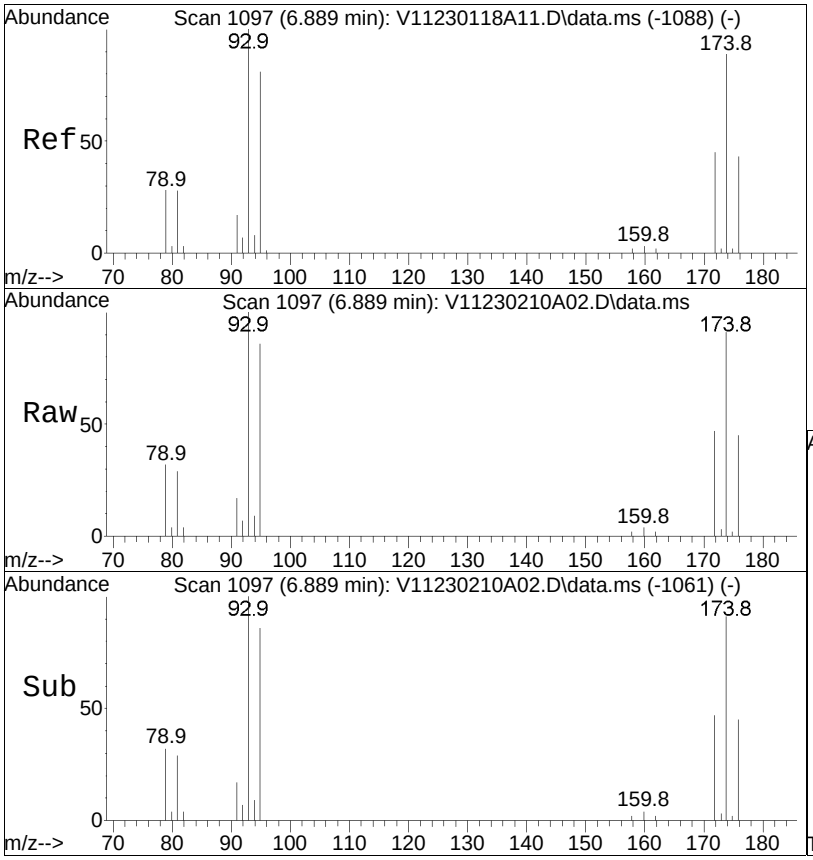


#48
Trichloroethene
Concen: 41.31 ug/L
RT: 6.448 min Scan# 1013
Delta R.T. -0.011 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 95 Resp: 36155

Ion	Ratio	Lower	Upper
95	100		
97	68.1	54.3	81.5
130	101.7	84.6	126.8

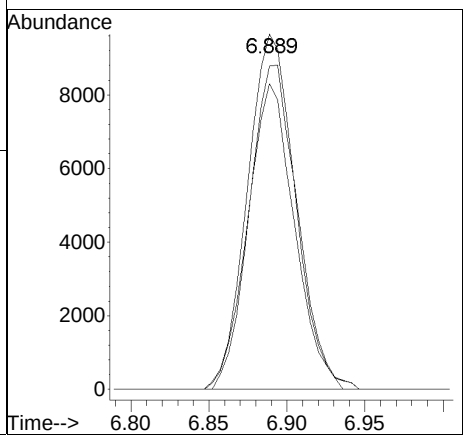


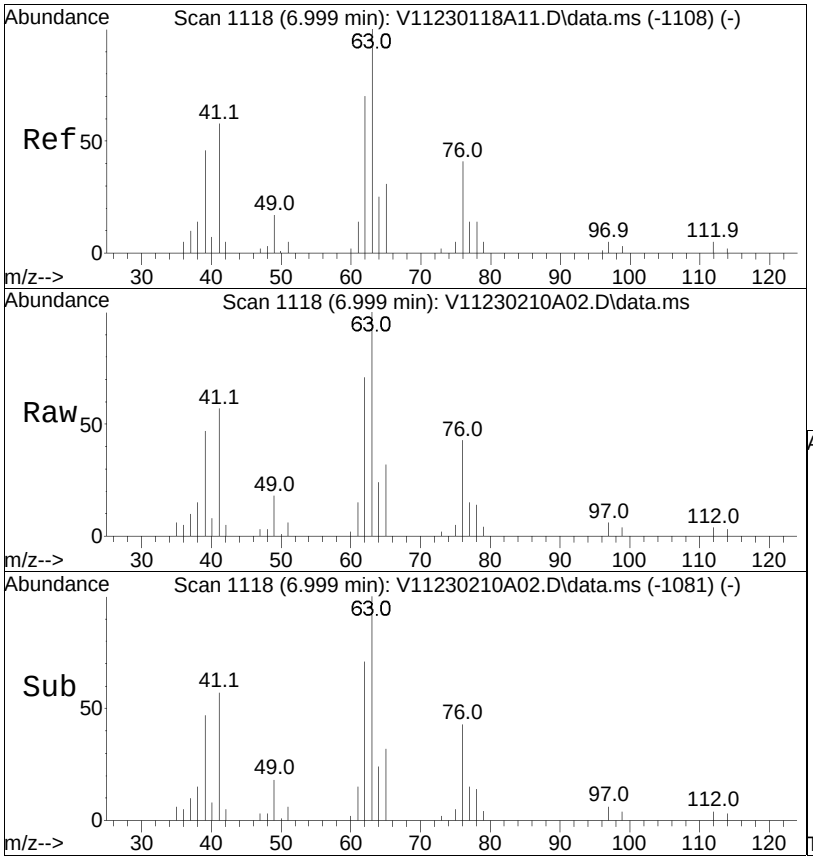


#50
Dibromomethane
Concen: 37.98 ug/L
RT: 6.889 min Scan# 1097
Delta R.T. -0.010 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 93 Resp: 20682

Ion	Ratio	Lower	Upper
93	100		
95	83.8	65.7	98.5
174	91.6	80.2	120.4

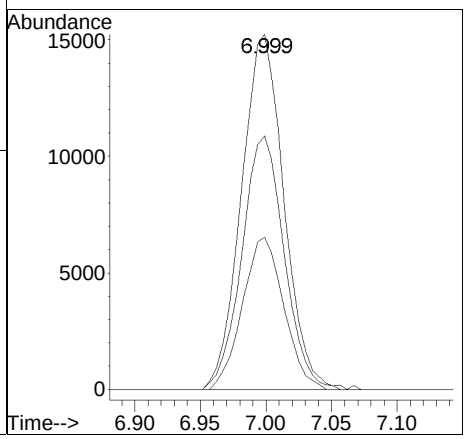


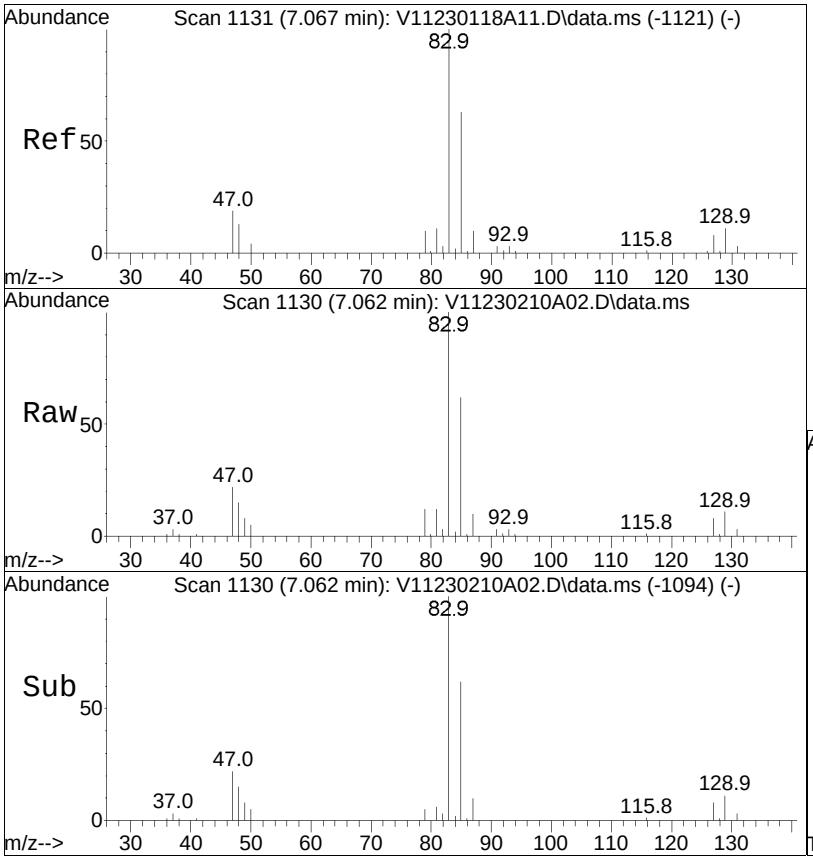


#51
1,2-Dichloropropane
Concen: 38.46 ug/L
RT: 6.999 min Scan# 1118
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 63 Resp: 34407

Ion	Ratio	Lower	Upper
63	100		
62	70.9	57.9	86.9
76	41.7	30.1	45.1

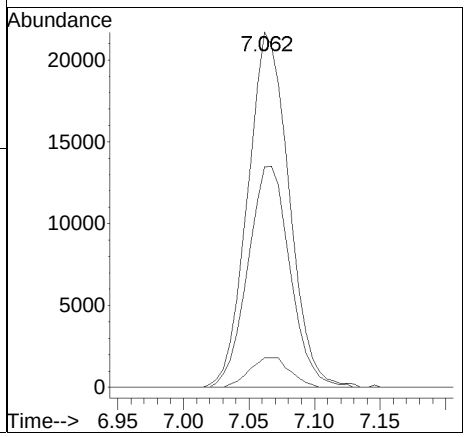


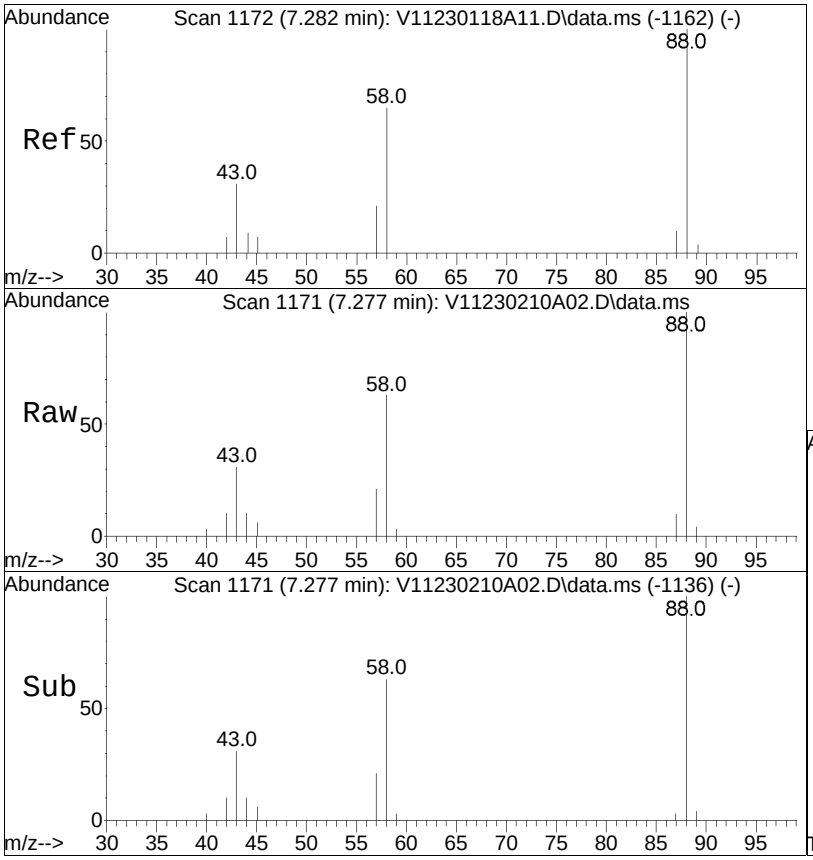


#54
Bromodichloromethane
Concen: 38.13 ug/L
RT: 7.062 min Scan# 1130
Delta R.T. -0.010 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 83 Resp: 47716

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.6	77.4
127	8.3	7.1	10.7

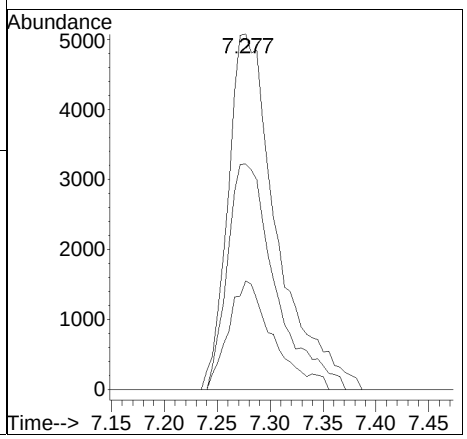


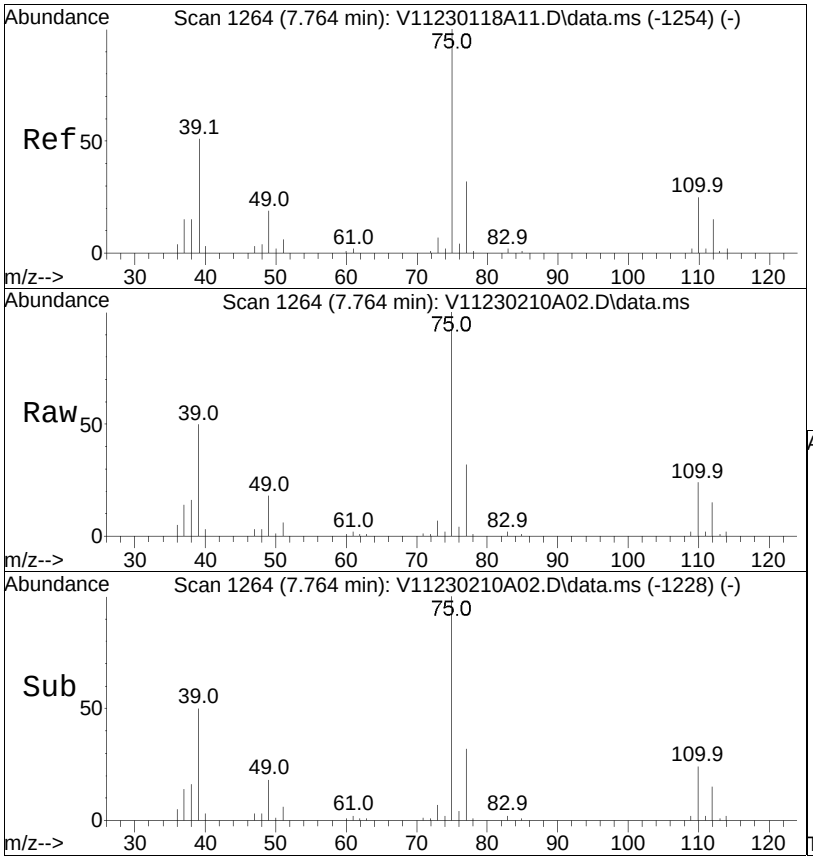


#57
1,4-Dioxane
Concen: 2279.42 ug/L
RT: 7.277 min Scan# 1171
Delta R.T. -0.015 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 88 Resp: 16301

Ion	Ratio	Lower	Upper
88	100		
58	62.4	75.4	113.0#
43	28.0	33.5	50.3#

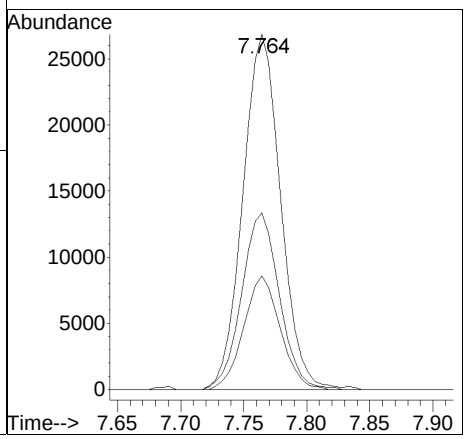


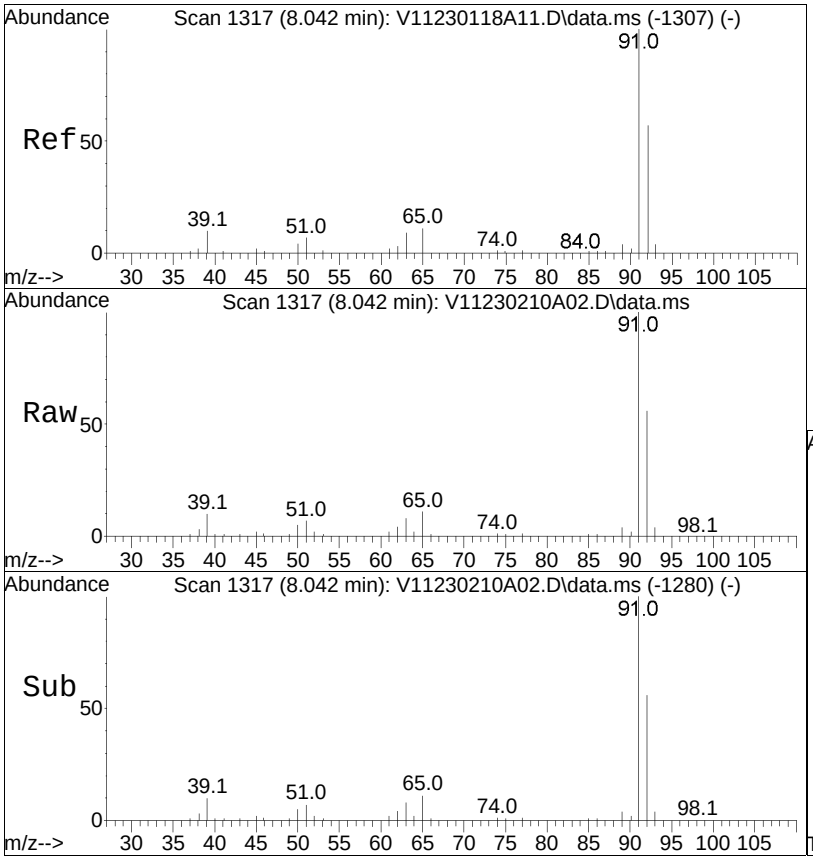


#58
cis-1,3-Dichloropropene
Concen: 39.31 ug/L
RT: 7.764 min Scan# 1264
Delta R.T. -0.011 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 75 Resp: 55955

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.9	37.3
39	49.6	51.8	77.8#

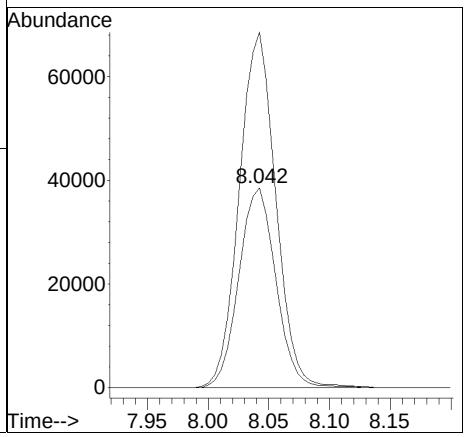


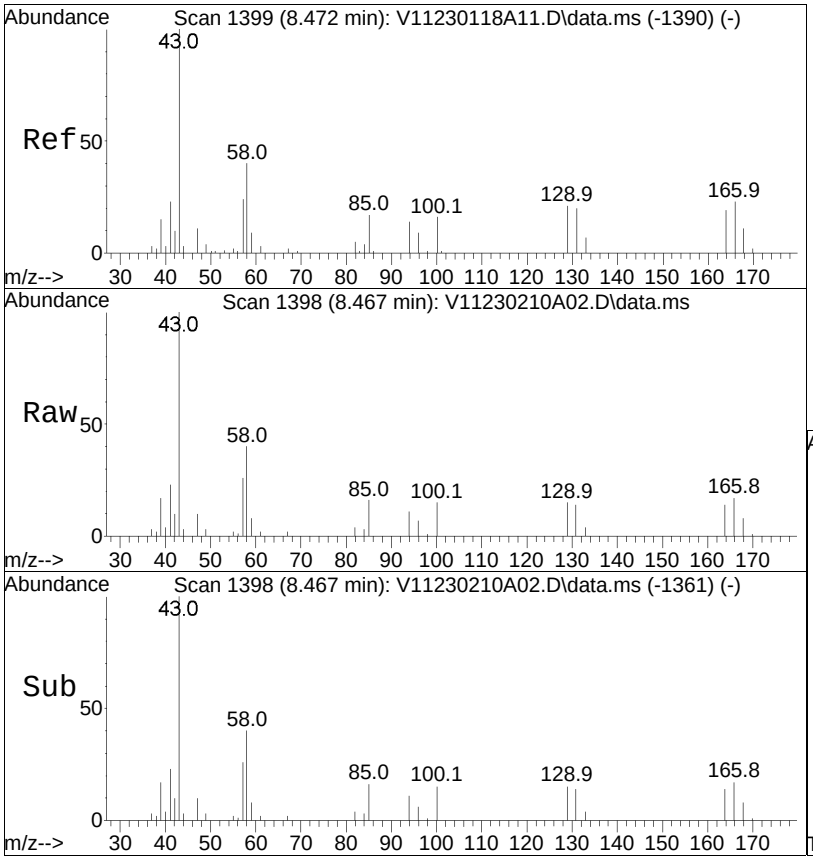


#61
Toluene
Concen: 39.24 ug/L
RT: 8.042 min Scan# 1317
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 92 Resp: 81469

Ion	Ratio	Lower	Upper
92	100		
91	175.6	133.7	200.5

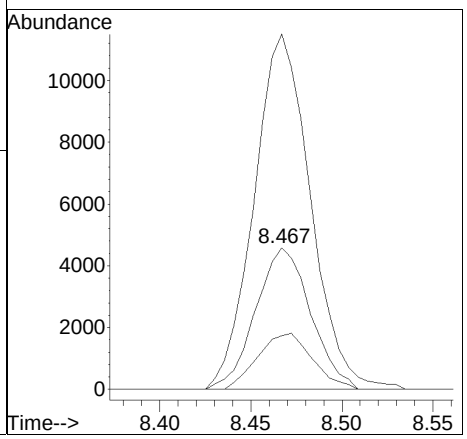


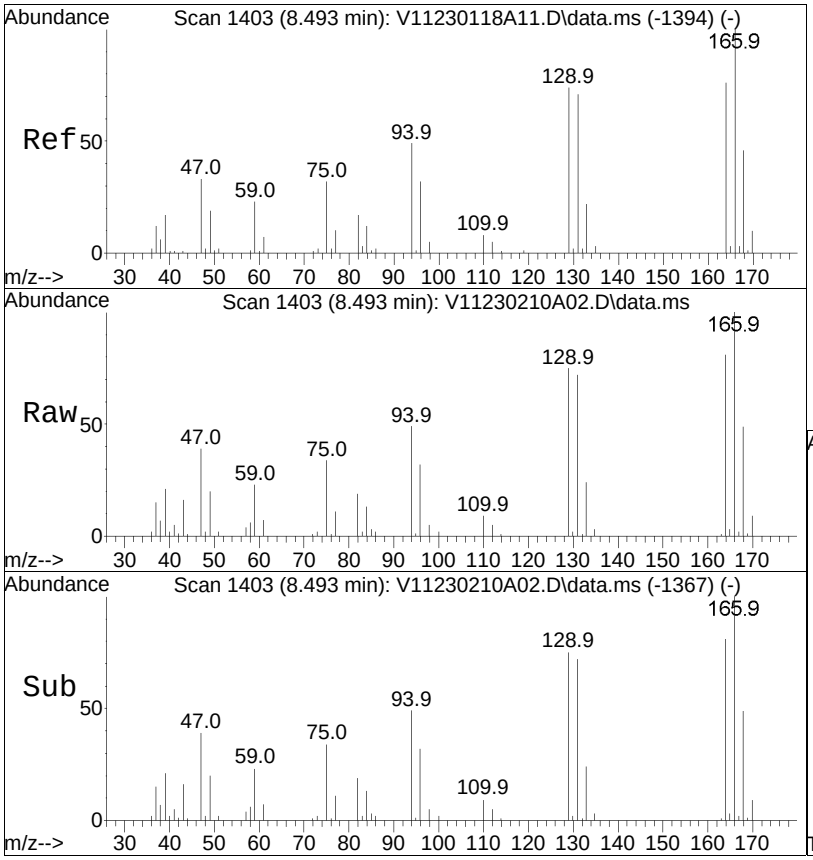


#62
4-Methyl-2-pentanone
Concen: 35.95 ug/L
RT: 8.467 min Scan# 1398
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 58 Resp: 9614

Ion	Ratio	Lower	Upper
58	100		
100	39.5	22.0	33.0#
43	257.8	236.9	355.3

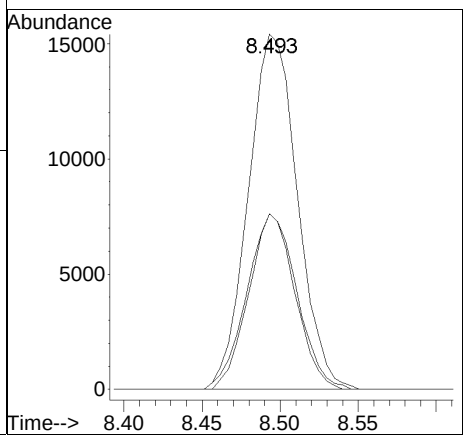


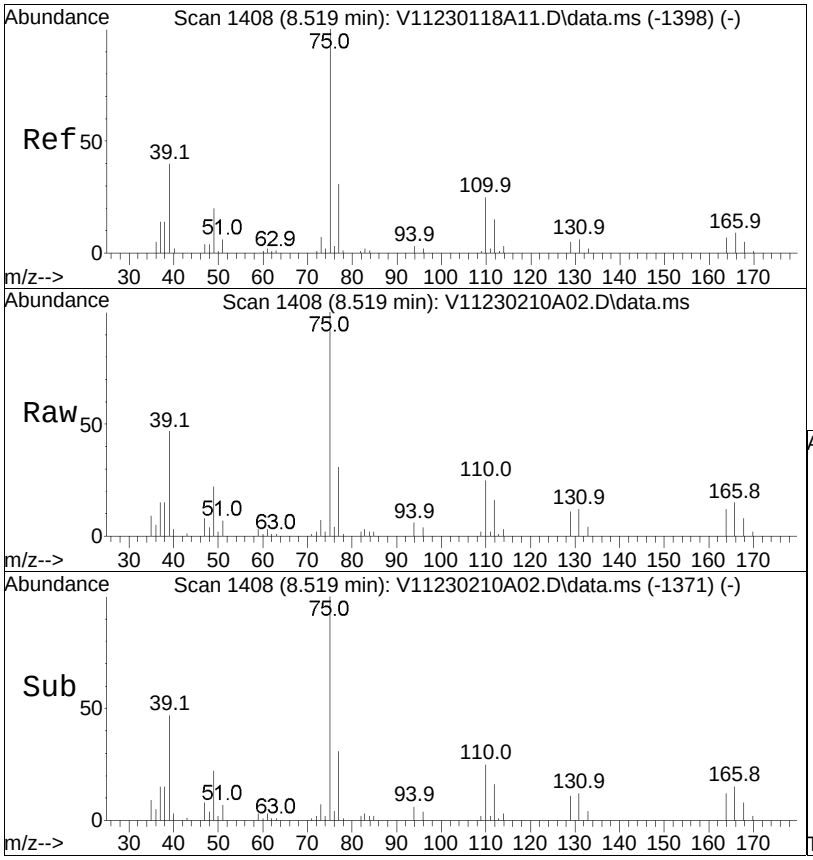


#63
Tetrachloroethene
Concen: 42.26 ug/L
RT: 8.493 min Scan# 1403
Delta R.T. -0.011 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:166 Resp: 33755

Ion	Ratio	Lower	Upper
166	100		
168	48.2	28.2	68.2
94	48.3	26.3	66.3

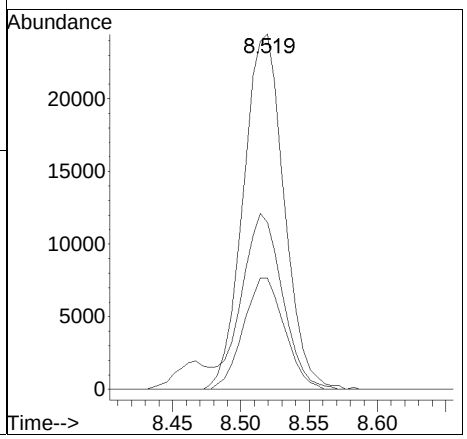


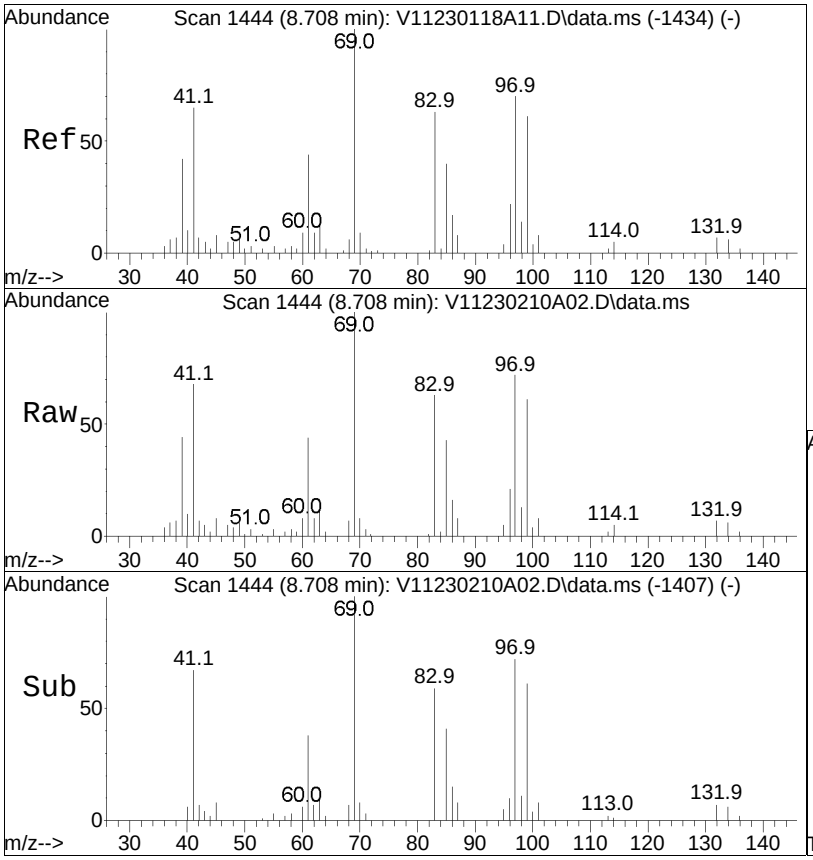


#65
trans-1,3-Dichloropropene
Concen: 39.36 ug/L
RT: 8.519 min Scan# 1408
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 75 Resp: 50829

Ion	Ratio	Lower	Upper
75	100		
77	31.5	11.4	51.4
39	49.9	50.3	90.3#

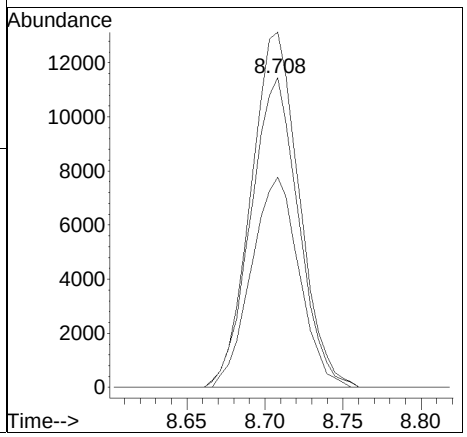


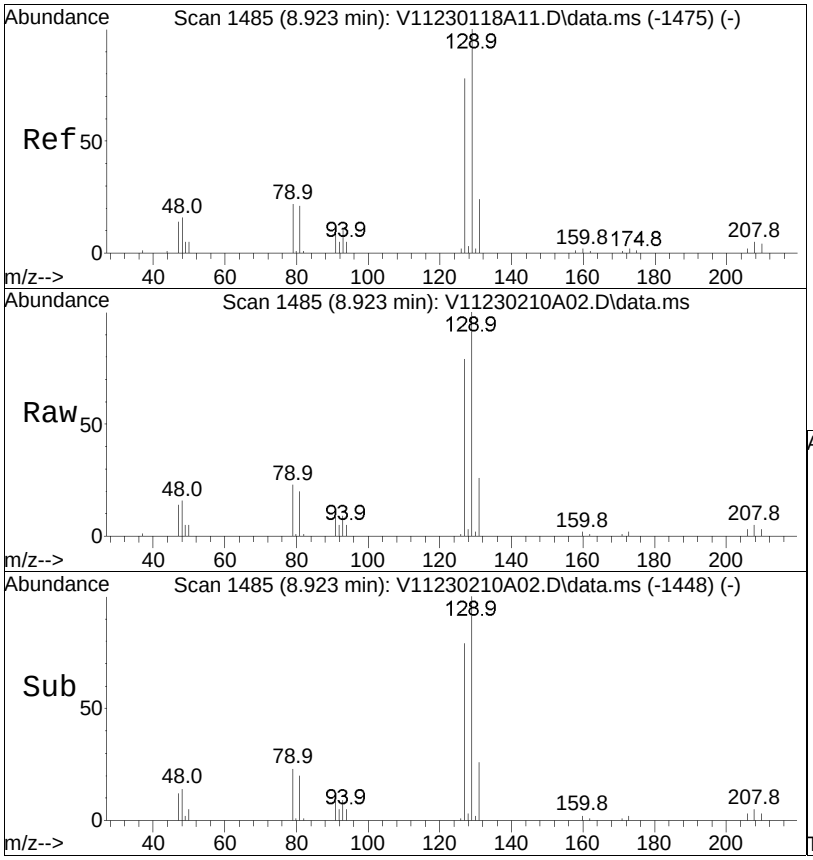


#68
1,1,2-Trichloroethane
Concen: 39.61 ug/L
RT: 8.708 min Scan# 1444
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 83 Resp: 24438

Ion	Ratio	Lower	Upper
83	100		
97	115.6	97.6	137.6
85	68.1	46.8	86.8

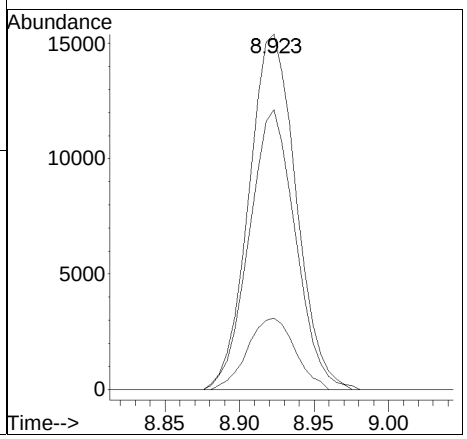


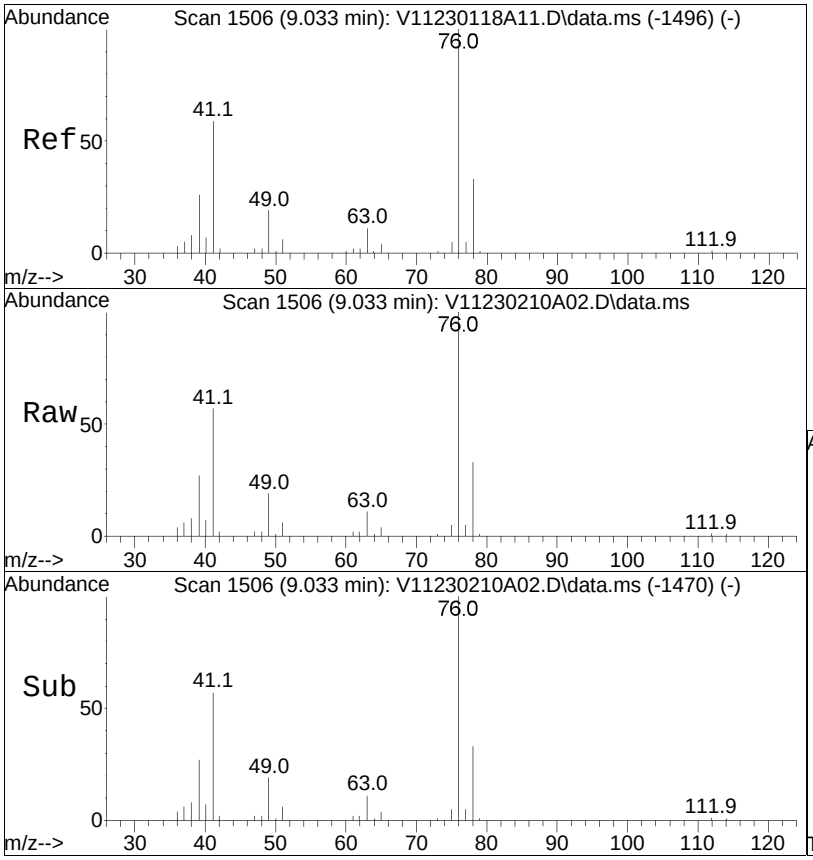


#69
Chlorodibromomethane
Concen: 39.03 ug/L
RT: 8.923 min Scan# 1485
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:129 Resp: 33959

Ion	Ratio	Lower	Upper
129	100		
81	20.1	0.0	36.0
127	77.1	56.0	96.0

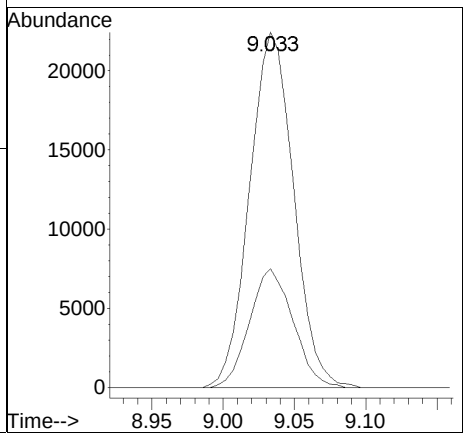


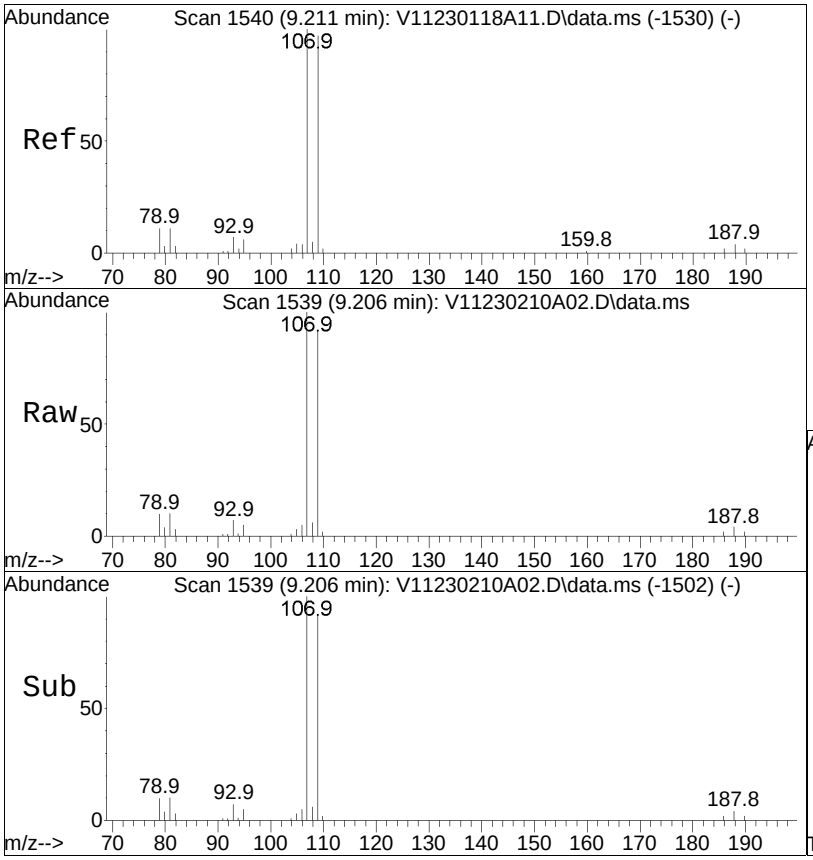


#70
1,3-Dichloropropane
Concen: 38.61 ug/L
RT: 9.033 min Scan# 1506
Delta R.T. -0.011 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 76 Resp: 48138

Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.9	38.9

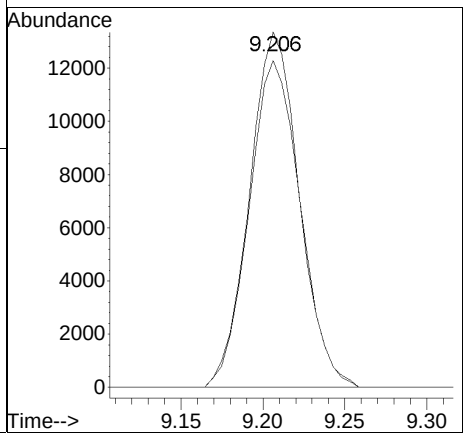


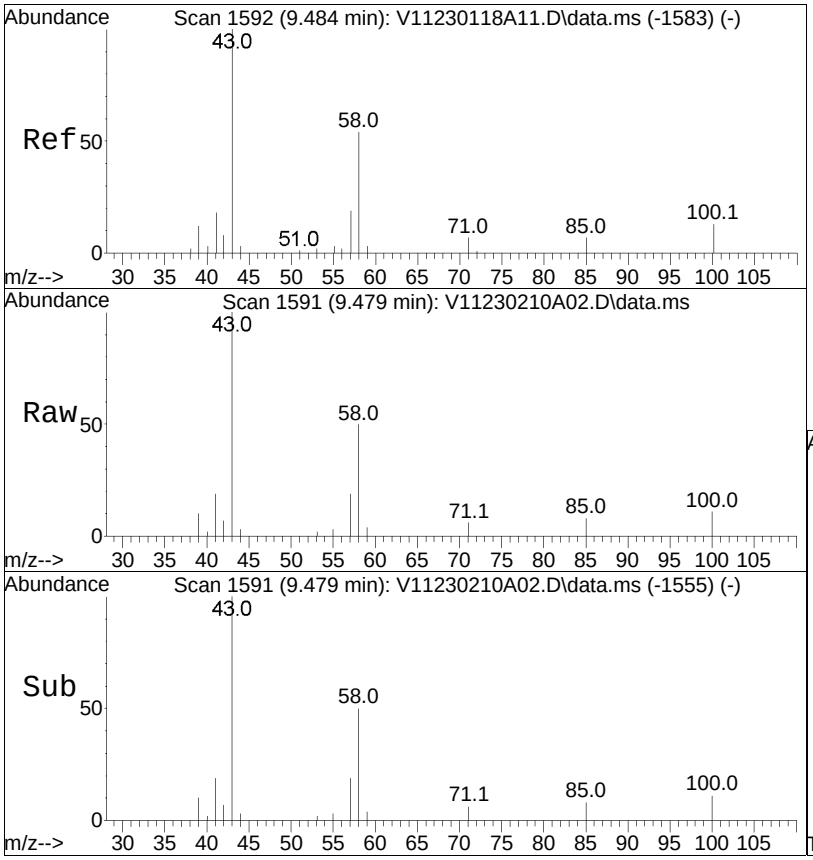


#71
1,2-Dibromoethane
Concen: 40.82 ug/L
RT: 9.206 min Scan# 1539
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:107 Resp: 28334

Ion	Ratio	Lower	Upper
107	100		
109	93.9	76.2	114.4

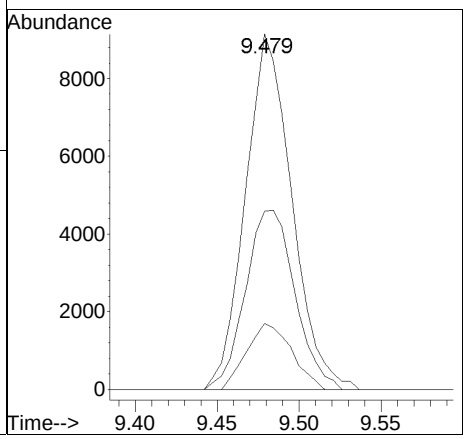


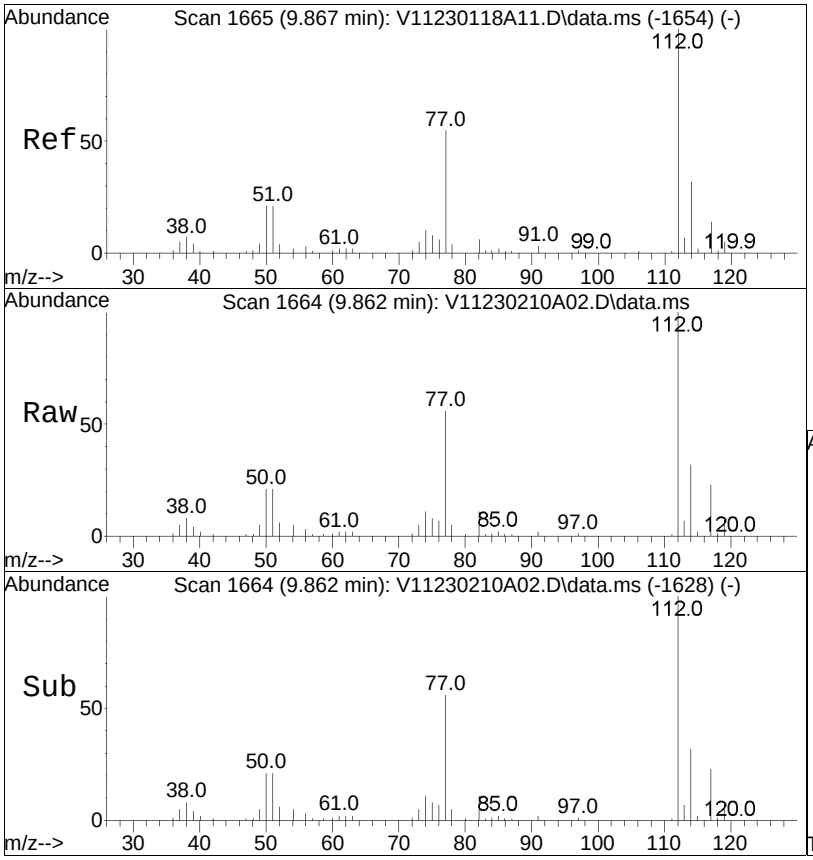


#72
2-Hexanone
Concen: 40.24 ug/L
RT: 9.479 min Scan# 1591
Delta R.T. -0.010 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 43 Resp: 18011

Ion	Ratio	Lower	Upper
43	100		
58	53.7	37.9	56.9
57	18.0	12.6	19.0

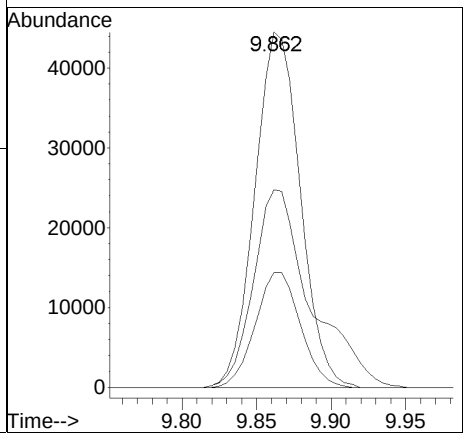


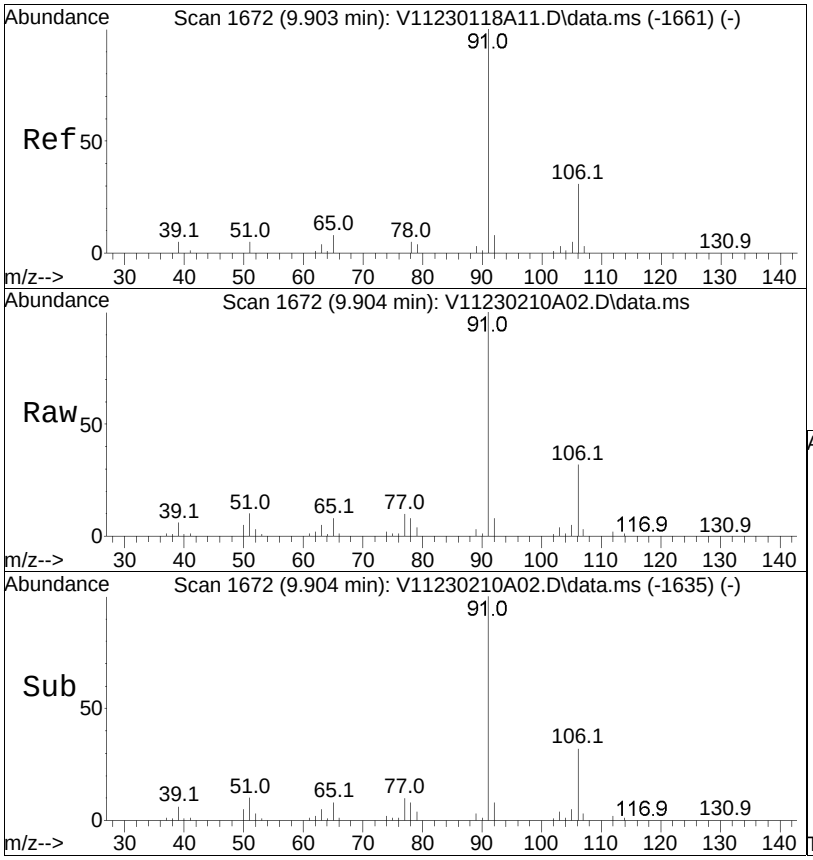


#73
Chlorobenzene
Concen: 38.90 ug/L
RT: 9.862 min Scan# 1664
Delta R.T. -0.010 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:112 Resp: 94361

Ion	Ratio	Lower	Upper
112	100		
77	70.1	47.0	70.4
114	32.1	25.9	38.9

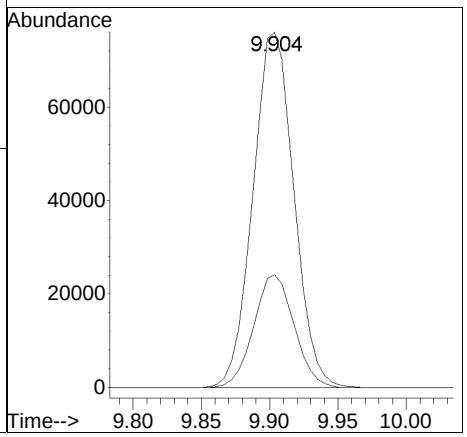


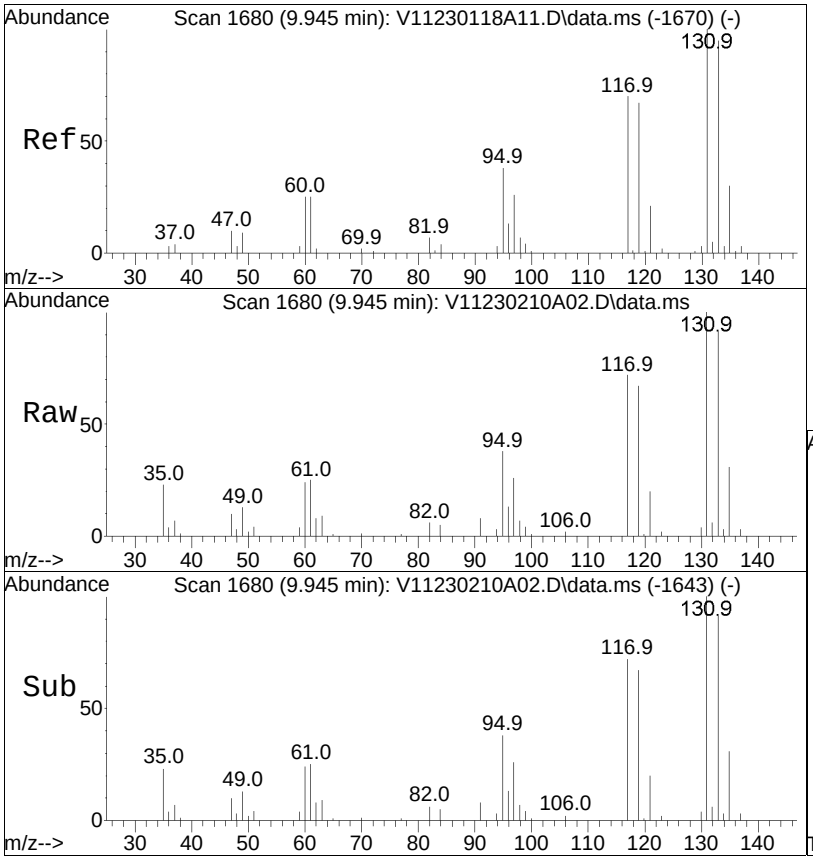


#74
Ethylbenzene
Concen: 40.42 ug/L
RT: 9.904 min Scan# 1672
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 91 Resp: 158118

Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.0	37.4

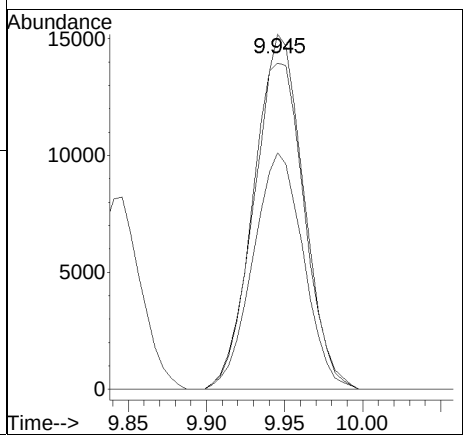


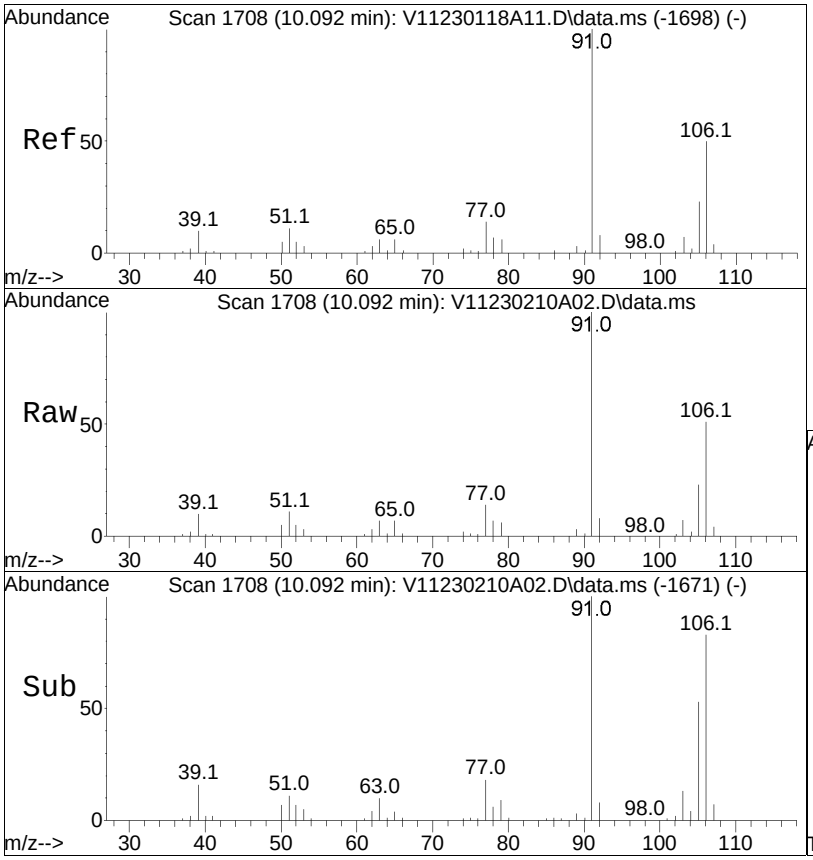


#75
1,1,1,2-Tetrachloroethane
Concen: 40.59 ug/L
RT: 9.945 min Scan# 1680
Delta R.T. -0.006 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:131 Resp: 33740

Ion	Ratio	Lower	Upper
131	100		
133	95.3	75.2	115.2
119	67.3	44.7	84.7

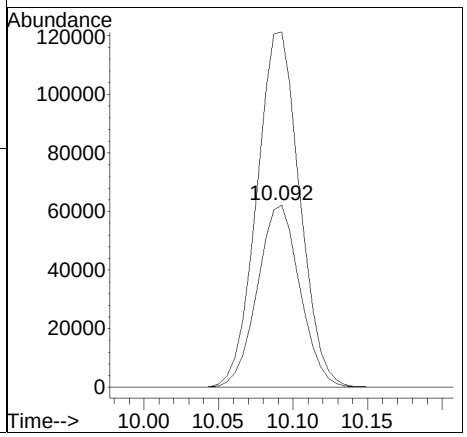


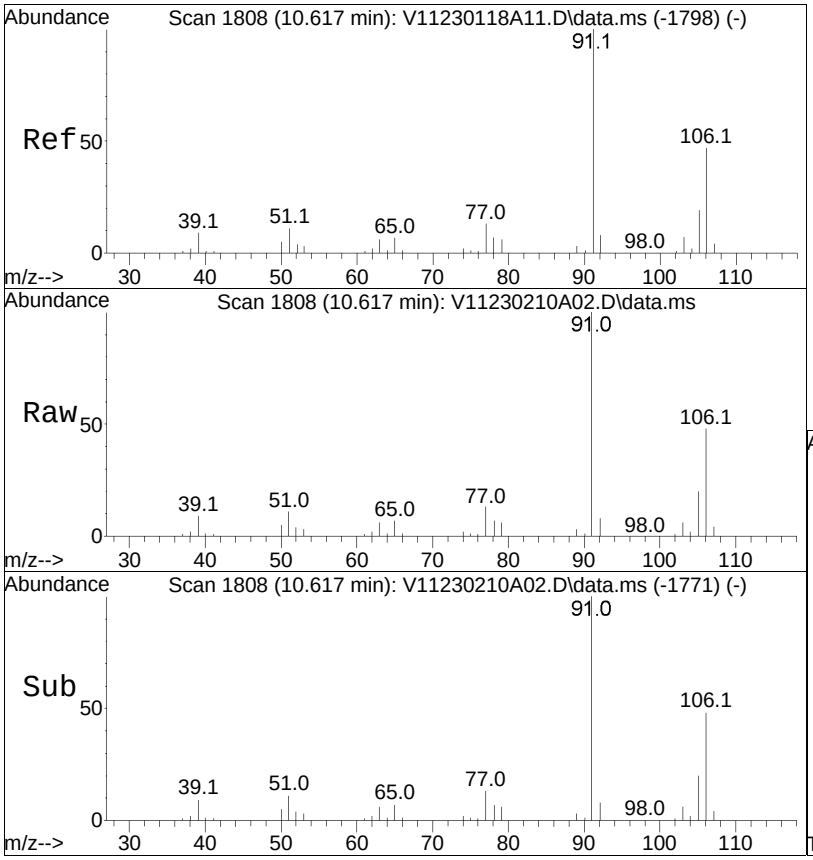


#76
p/m Xylene
Concen: 82.93 ug/L
RT: 10.092 min Scan# 1708
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:106 Resp: 123586

Ion	Ratio	Lower	Upper
106	100		
91	196.7	159.3	238.9

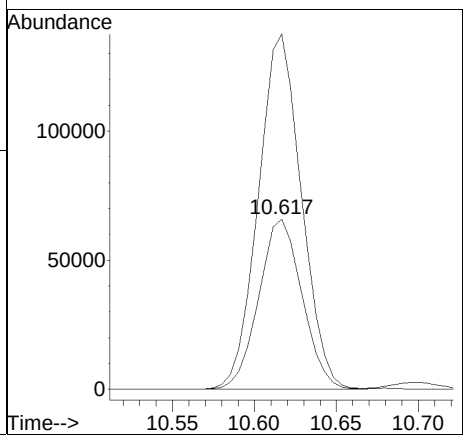


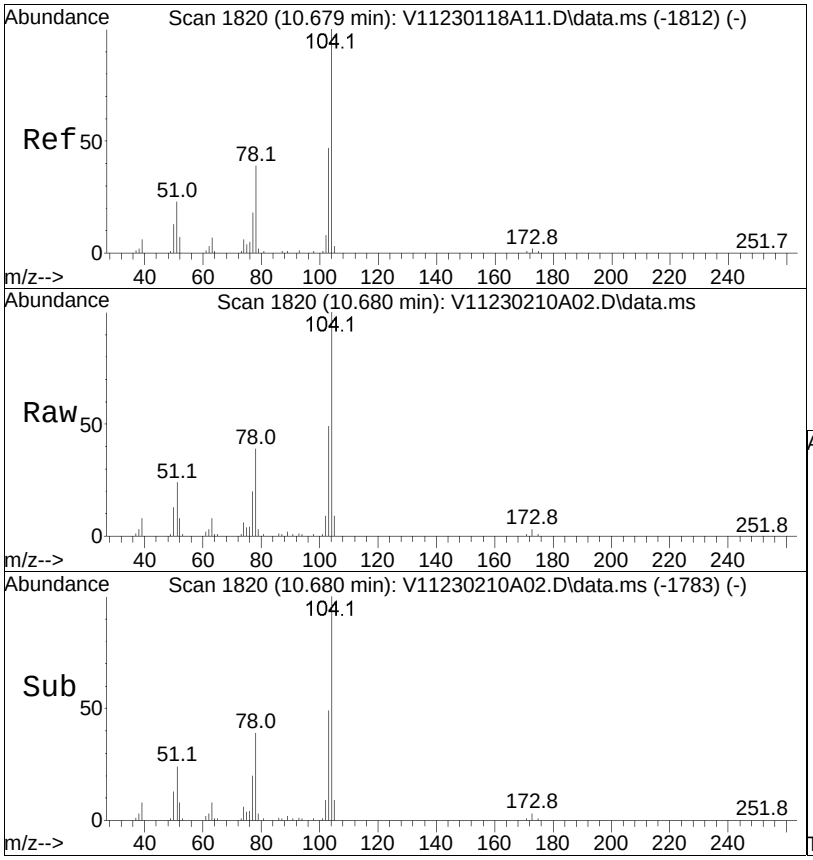


#77
o Xylene
Concen: 84.28 ug/L
RT: 10.617 min Scan# 1808
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:106 Resp: 121386

Ion	Ratio	Lower	Upper
106	100		
91	207.4	170.2	255.2

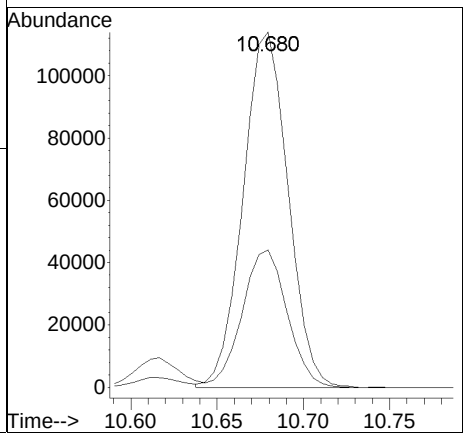


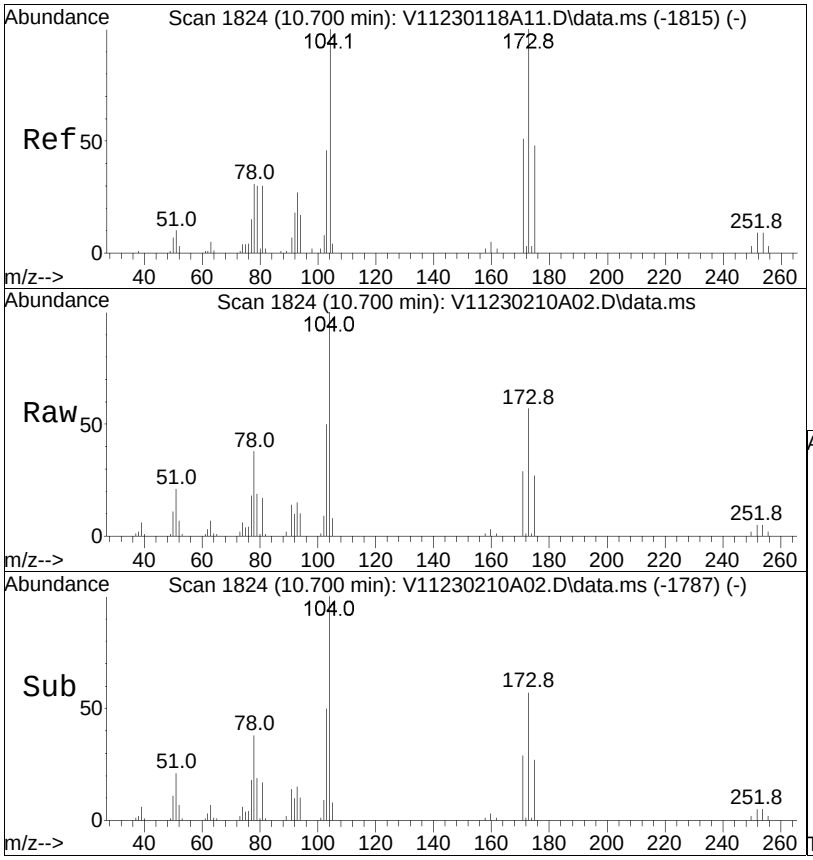


#78
Styrene
Concen: 84.83 ug/L
RT: 10.680 min Scan# 1820
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:104 Resp: 206294

Ion	Ratio	Lower	Upper
104	100		
78	38.7	34.4	51.6

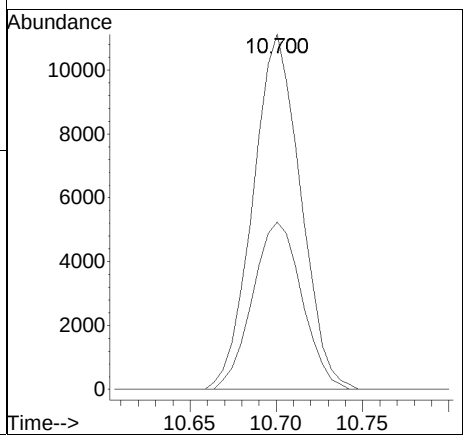


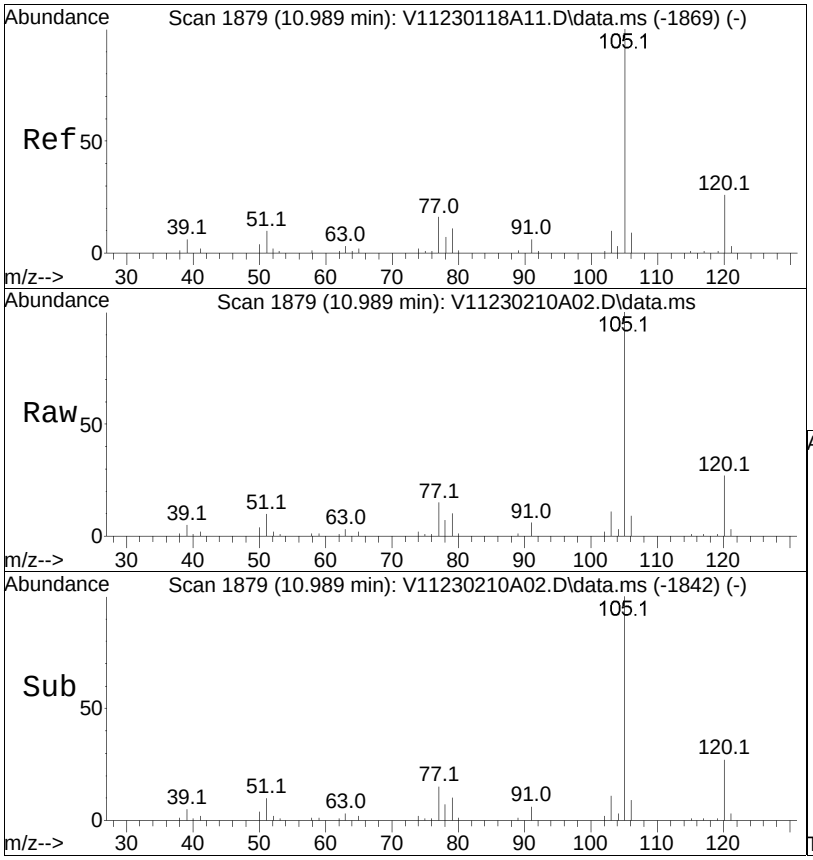


#80
Bromoform
Concen: 38.32 ug/L
RT: 10.700 min Scan# 1824
Delta R.T. -0.006 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:173 Resp: 21385

Ion	Ratio	Lower	Upper
173	100		
175	48.7	28.1	68.1

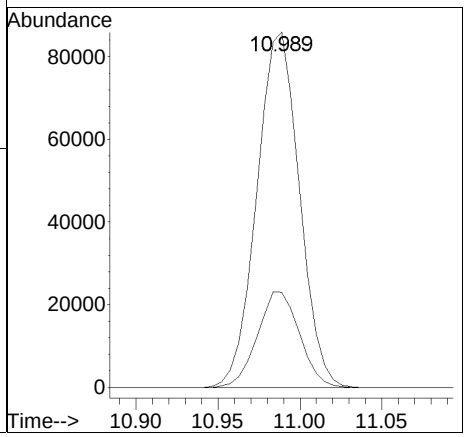


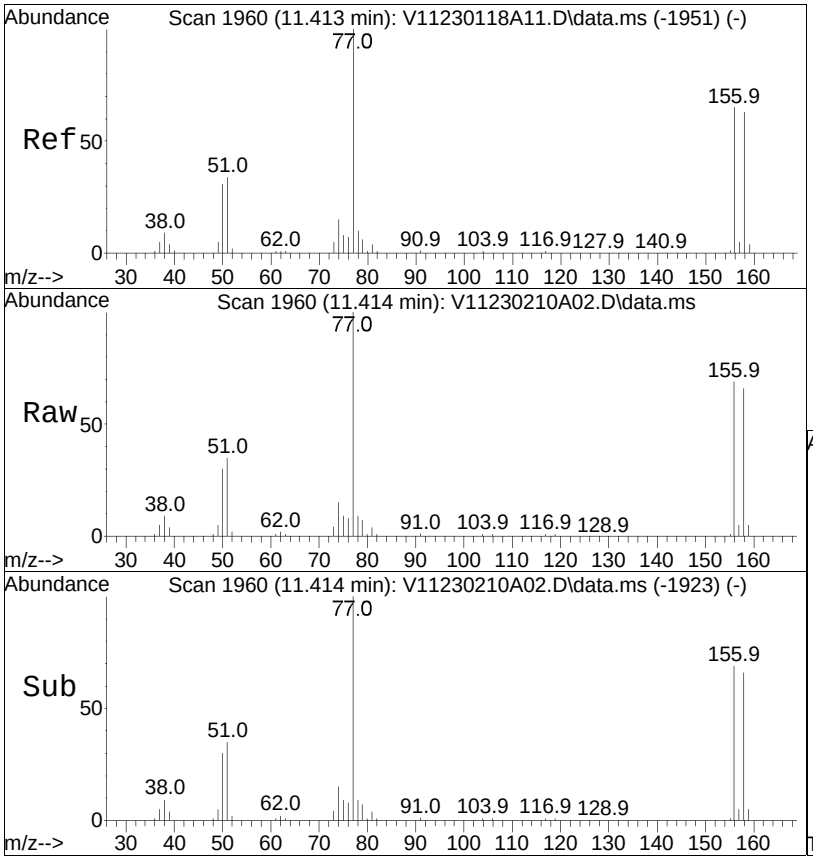


#82
Isopropylbenzene
Concen: 41.02 ug/L
RT: 10.989 min Scan# 1879
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:105 Resp: 155129

Ion	Ratio	Lower	Upper
105	100		
120	26.6	6.9	46.9

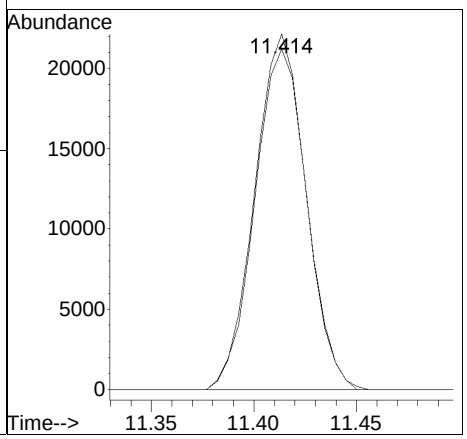


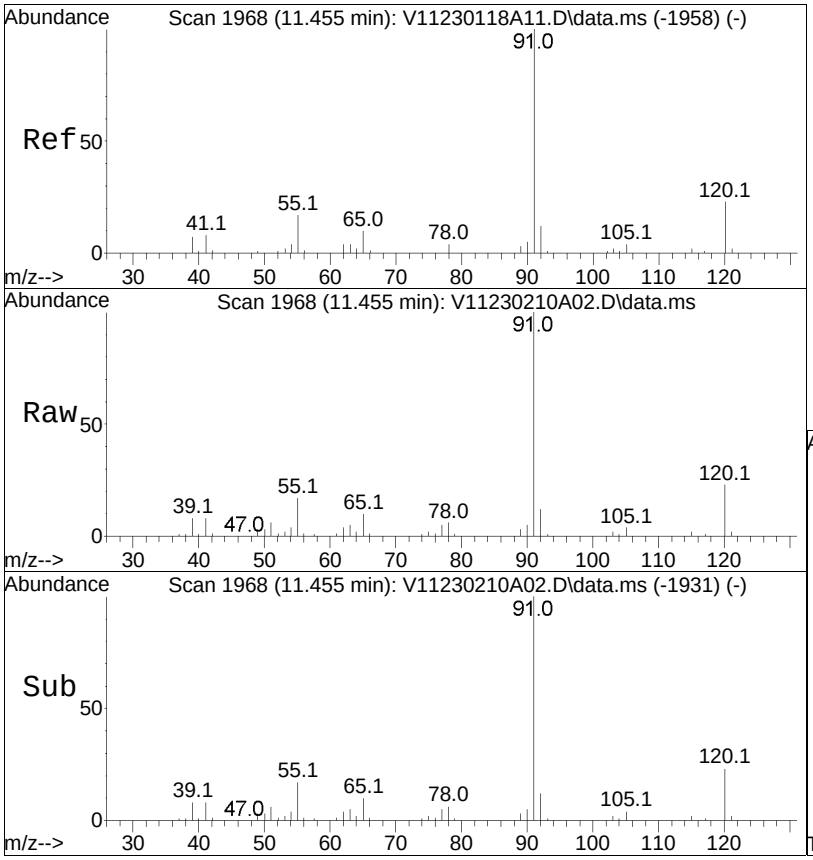


#84
Bromobenzene
Concen: 38.21 ug/L
RT: 11.414 min Scan# 1960
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:156 Resp: 38474

Ion	Ratio	Lower	Upper
156	100		
158	97.0	77.5	116.3

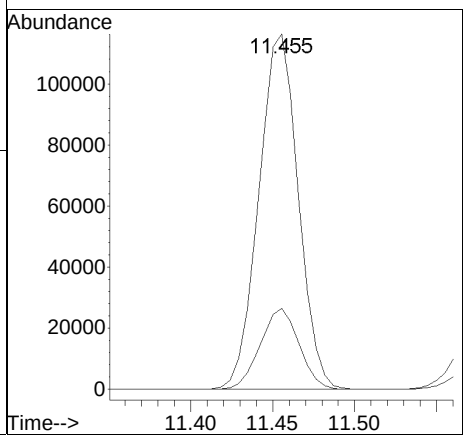


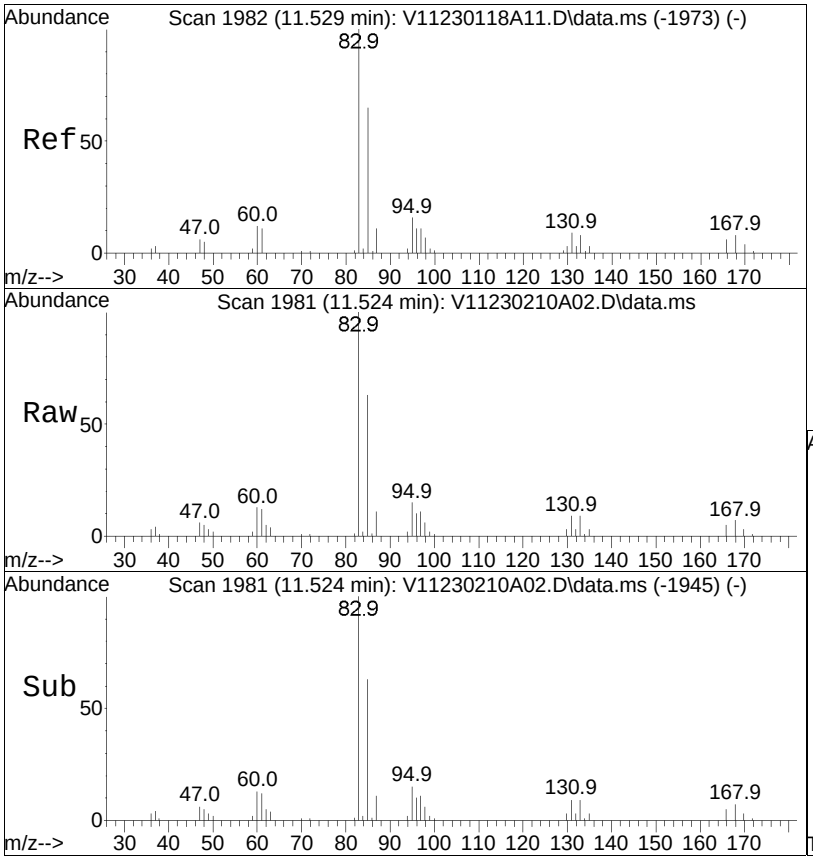


#85
n-Propylbenzene
Concen: 41.16 ug/L
RT: 11.455 min Scan# 1968
Delta R.T. -0.006 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 91 Resp: 194531

Ion	Ratio	Lower	Upper
91	100		
120	22.4	18.6	27.8

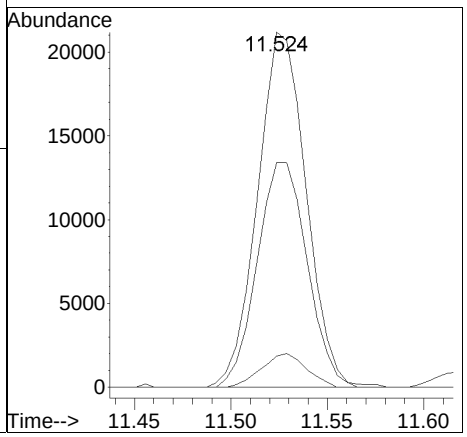


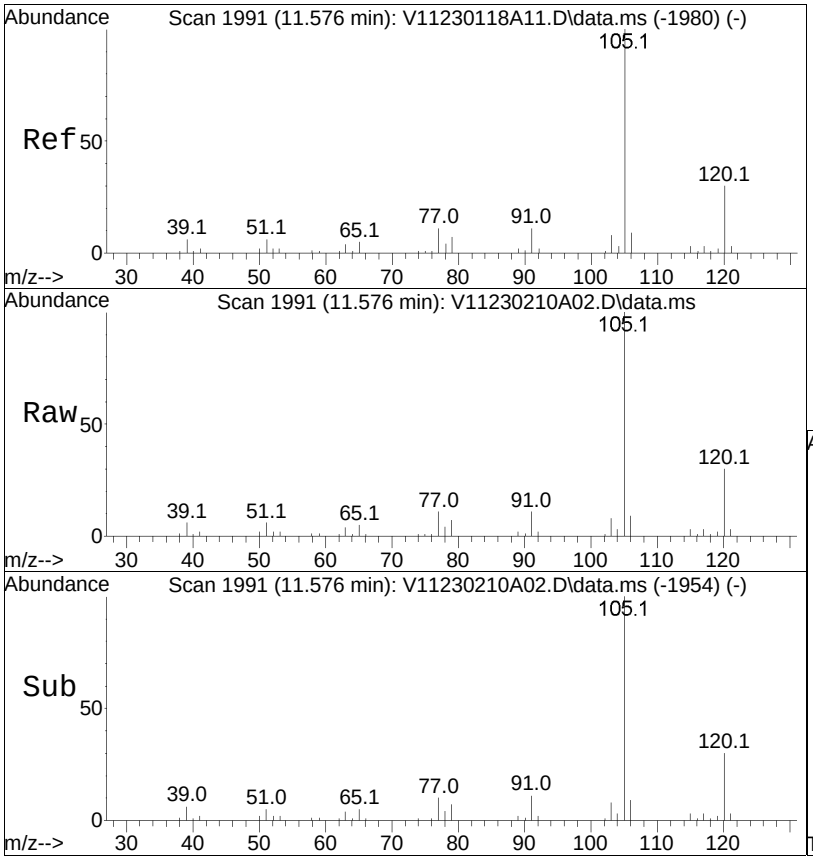


#87
1,1,2,2-Tetrachloroethane
Concen: 39.05 ug/L
RT: 11.524 min Scan# 1981
Delta R.T. -0.010 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 83 Resp: 36995

Ion	Ratio	Lower	Upper
83	100		
131	8.9	0.0	30.1
85	65.7	45.8	85.8

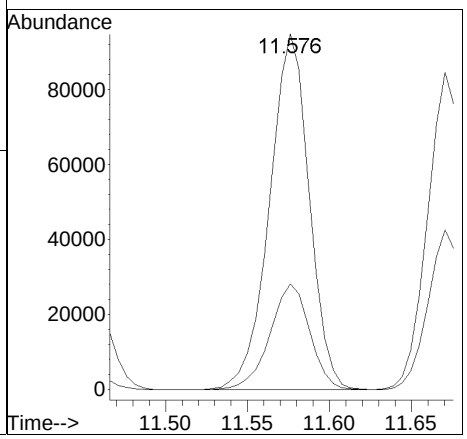


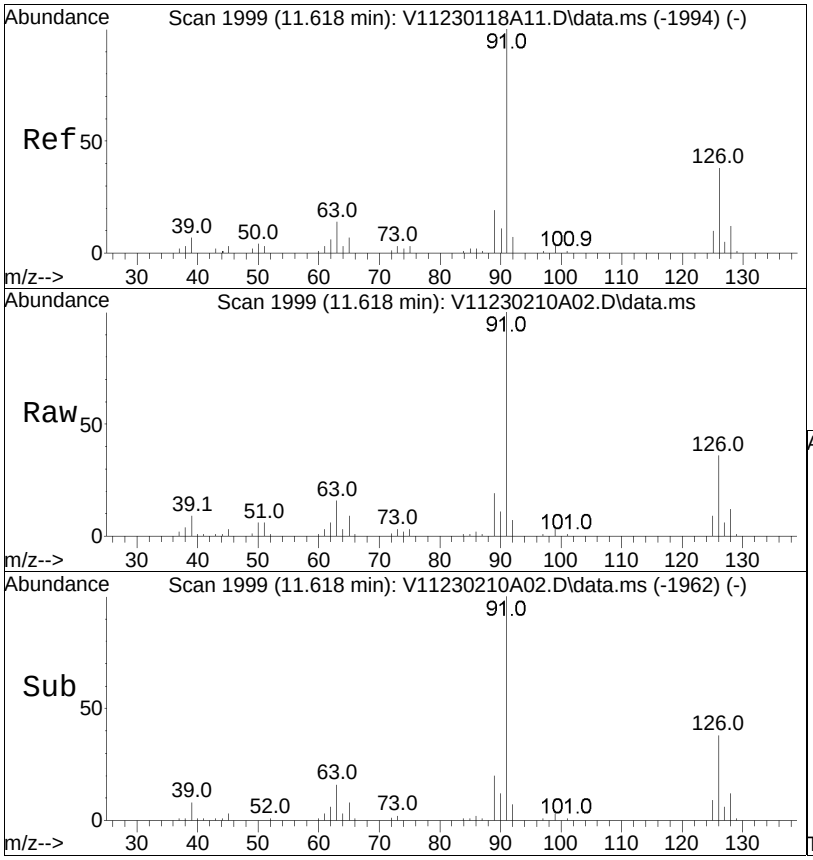


#88
4-Ethyltoluene
Concen: 41.99 ug/L
RT: 11.576 min Scan# 1991
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:105 Resp: 159046

Ion	Ratio	Lower	Upper
105	100		
120	29.7	19.5	40.5

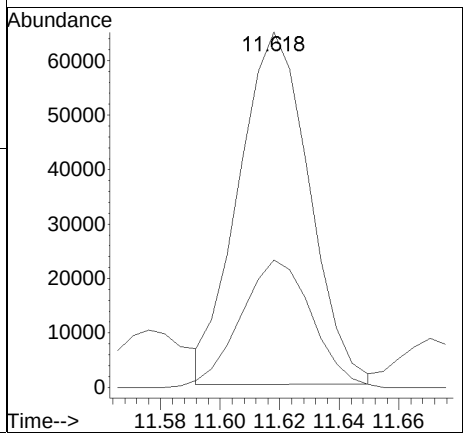


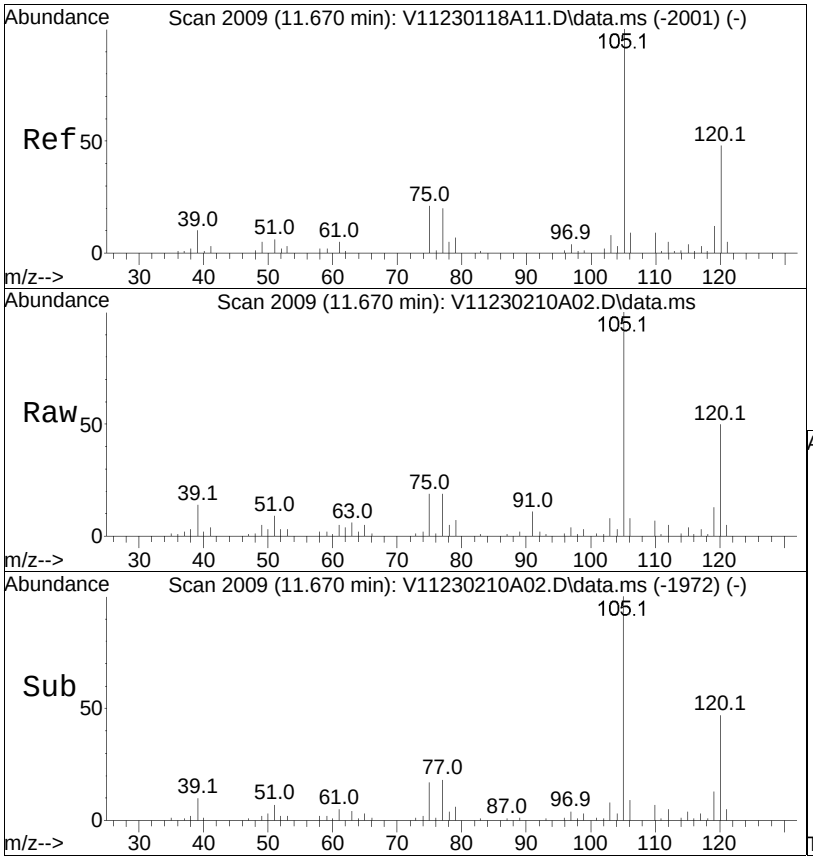


#89
2-Chlorotoluene
Concen: 38.37 ug/L
RT: 11.618 min Scan# 1999
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 91 Resp: 106367

Ion	Ratio	Lower	Upper
91	100		
126	36.5	24.3	36.5#

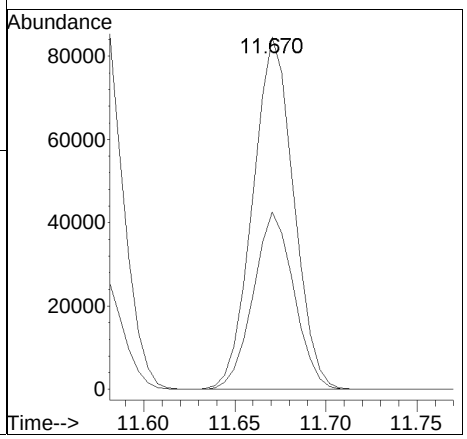


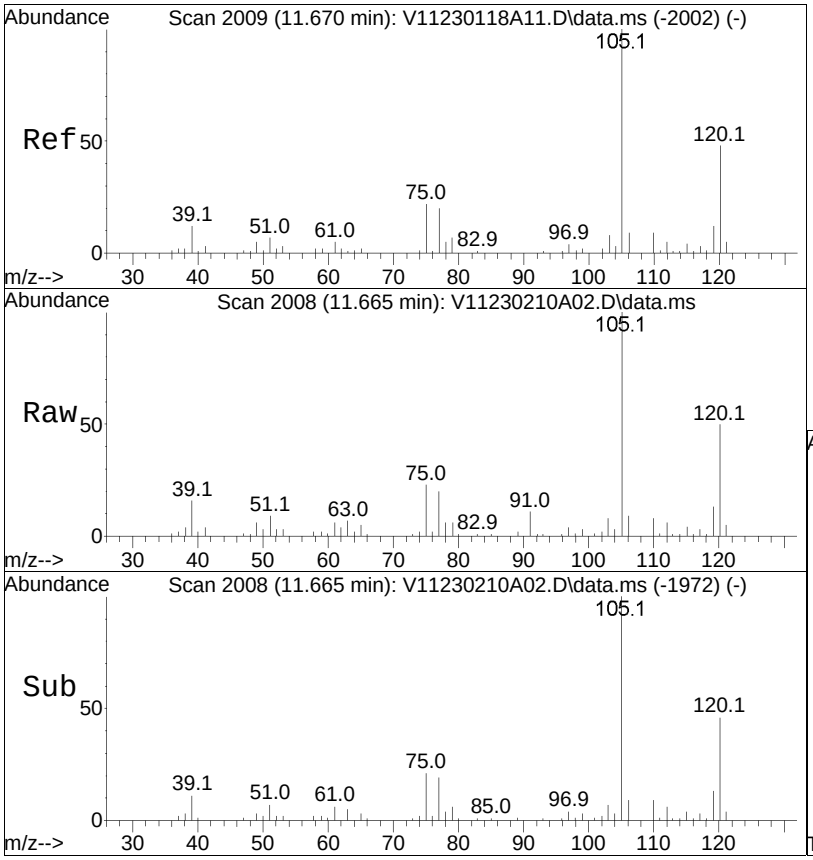


#90
1,3,5-Trimethylbenzene
Concen: 41.01 ug/L
RT: 11.670 min Scan# 2009
Delta R.T. -0.006 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:105 Resp: 132234

Ion	Ratio	Lower	Upper
105	100		
120	49.9	39.8	59.8

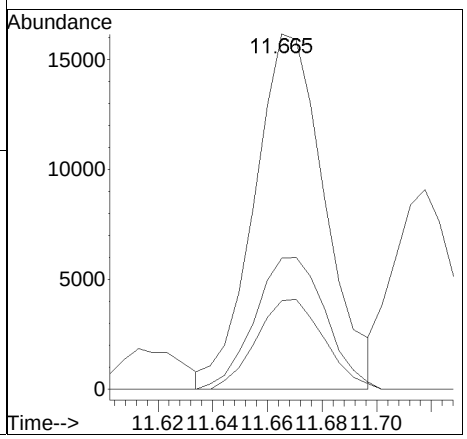


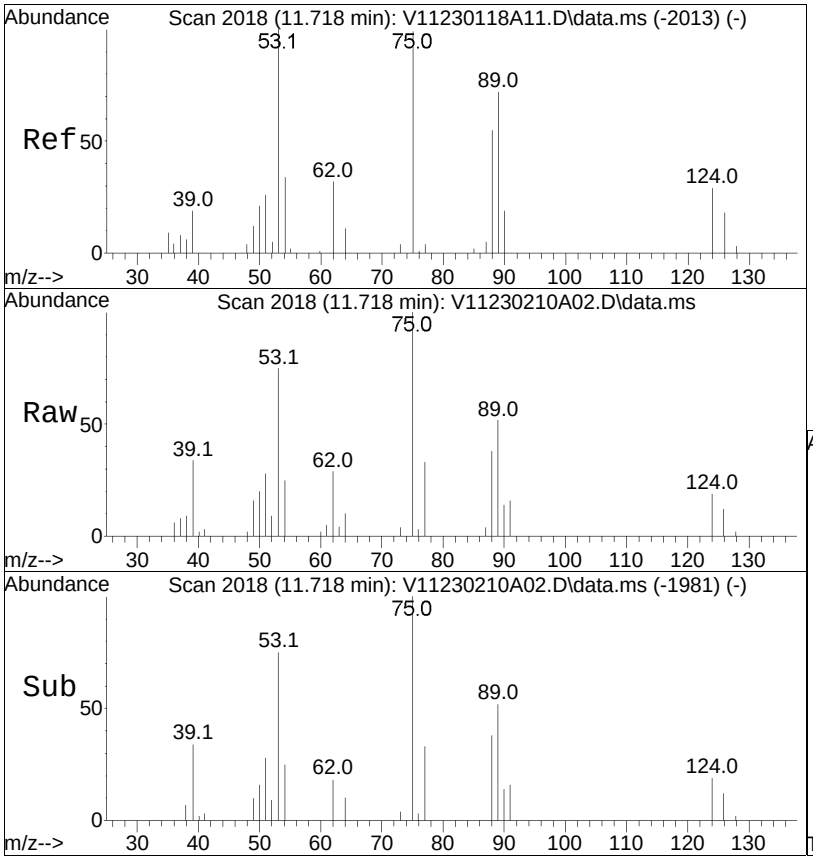


#91
1,2,3-Trichloropropane
Concen: 39.09 ug/L
RT: 11.665 min Scan# 2008
Delta R.T. -0.011 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 75 Resp: 29045

Ion	Ratio	Lower	Upper
75	100		
110	37.2	25.2	52.2
112	24.3	15.7	32.5

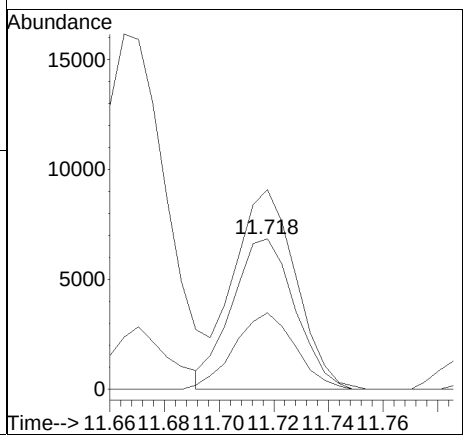


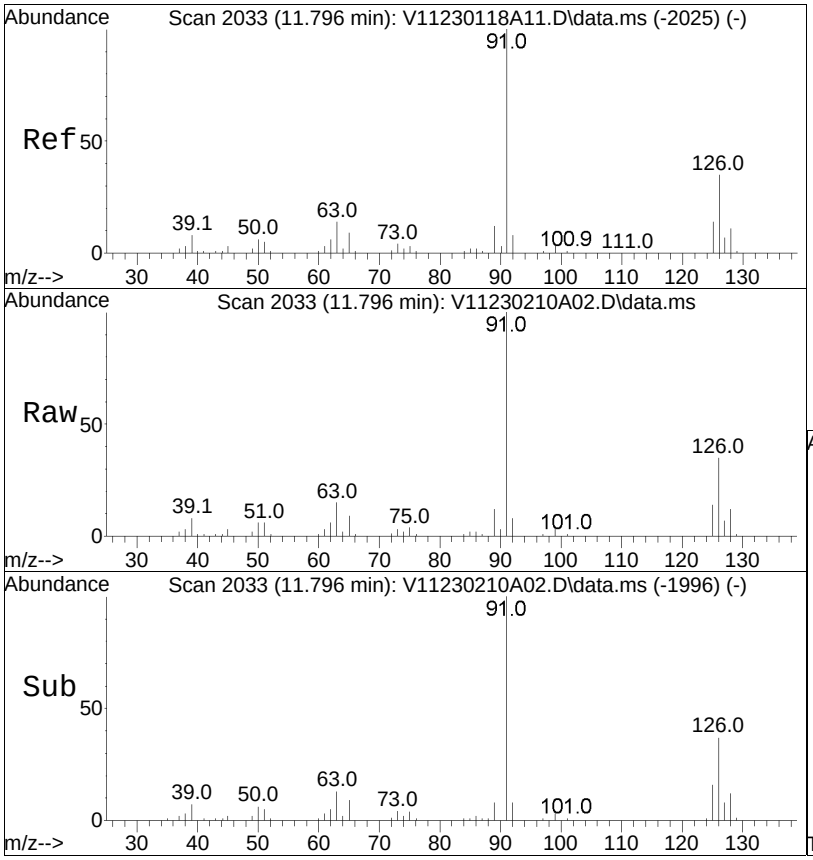


#92
trans-1,4-Dichloro-2-butene
Concen: 44.42 ug/L
RT: 11.718 min Scan# 2018
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 53 Resp: 10993

Ion	Ratio	Lower	Upper
53	100		
88	49.1	34.1	51.1
75	126.8	82.8	124.2#

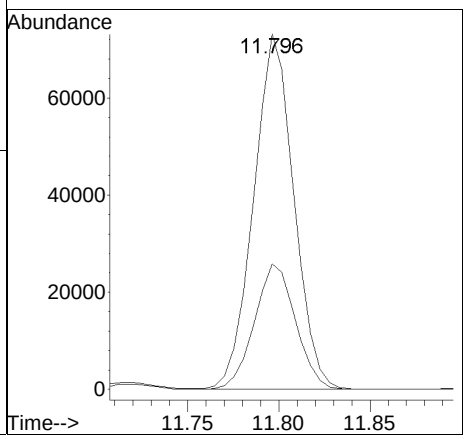


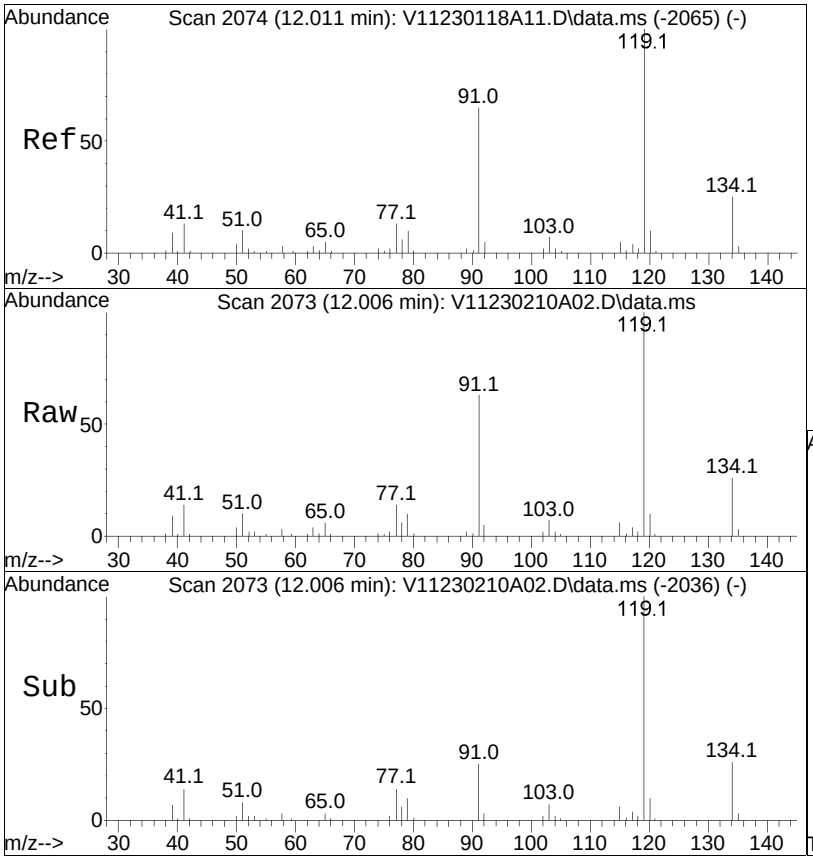


#93
4-Chlorotoluene
Concen: 39.01 ug/L
RT: 11.796 min Scan# 2033
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 91 Resp: 112407

Ion	Ratio	Lower	Upper
91	100		
126	36.0	27.9	41.9

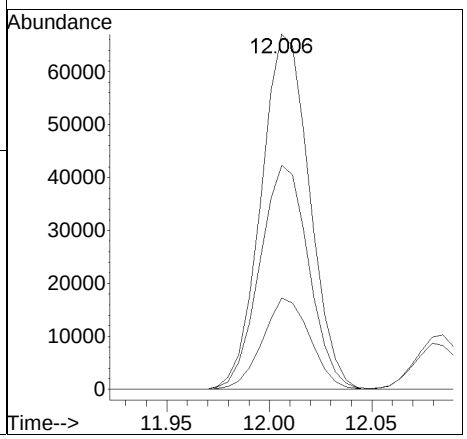


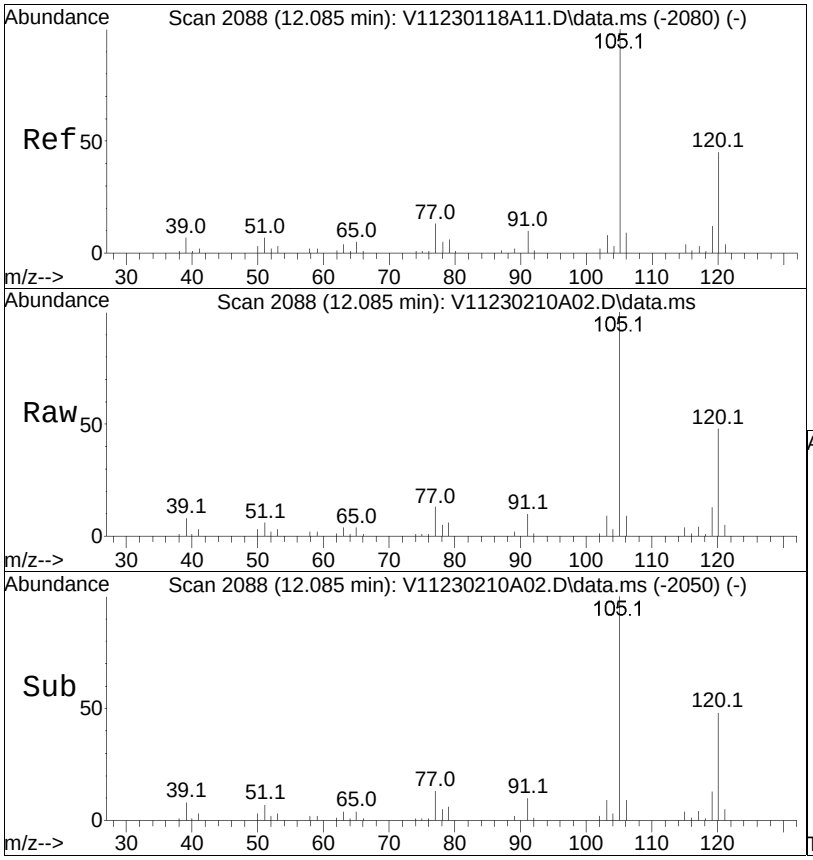


#94
tert-Butylbenzene
Concen: 40.54 ug/L
RT: 12.006 min Scan# 2073
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:119 Resp: 110360

Ion	Ratio	Lower	Upper
119	100		
91	63.8	53.0	79.4
134	25.3	19.8	29.6

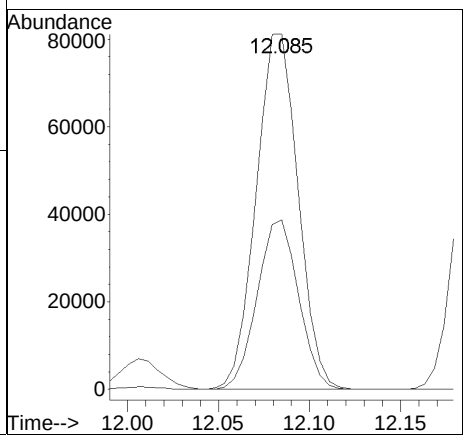


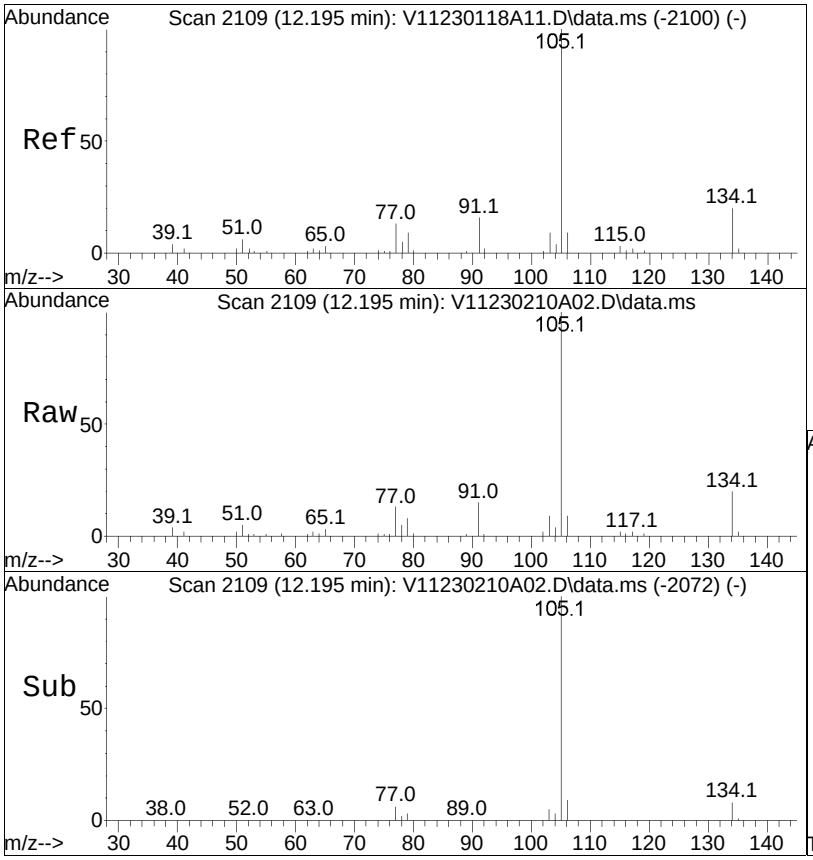


#97
1,2,4-Trimethylbenzene
Concen: 40.59 ug/L
RT: 12.085 min Scan# 2088
Delta R.T. -0.000 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:105 Resp: 130300

Ion	Ratio	Lower	Upper
105	100		
120	46.9	37.4	56.0

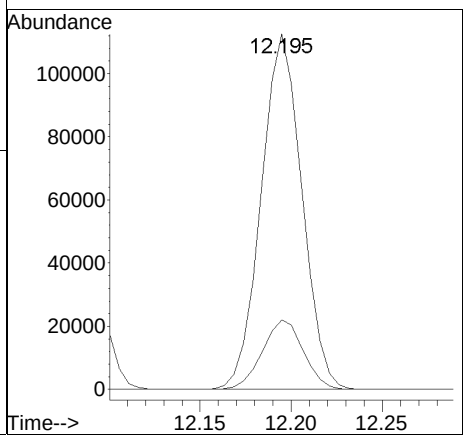


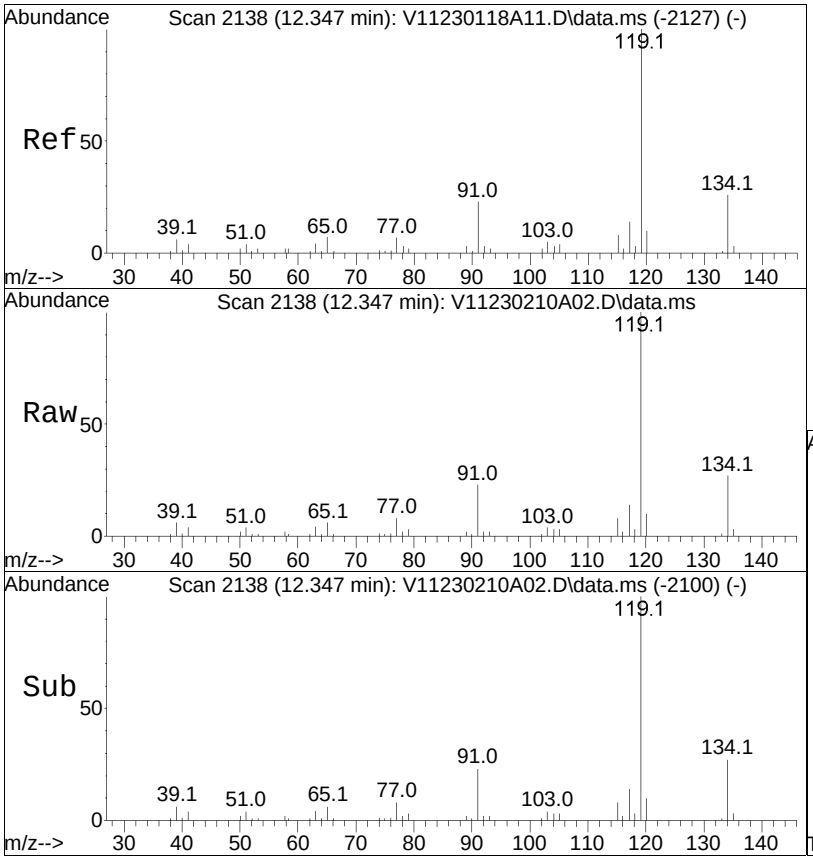


#98
sec-Butylbenzene
Concen: 42.44 ug/L
RT: 12.195 min Scan# 2109
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:105 Resp: 174895

Ion	Ratio	Lower	Upper
105	100		
134	19.7	13.2	27.4

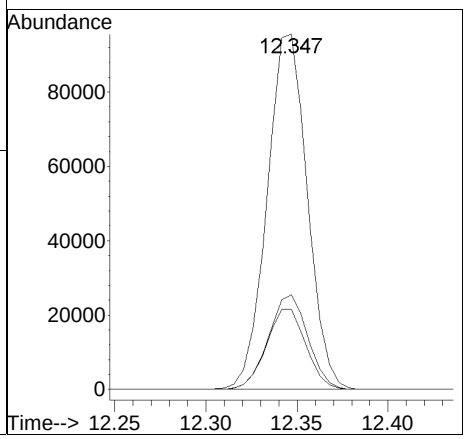


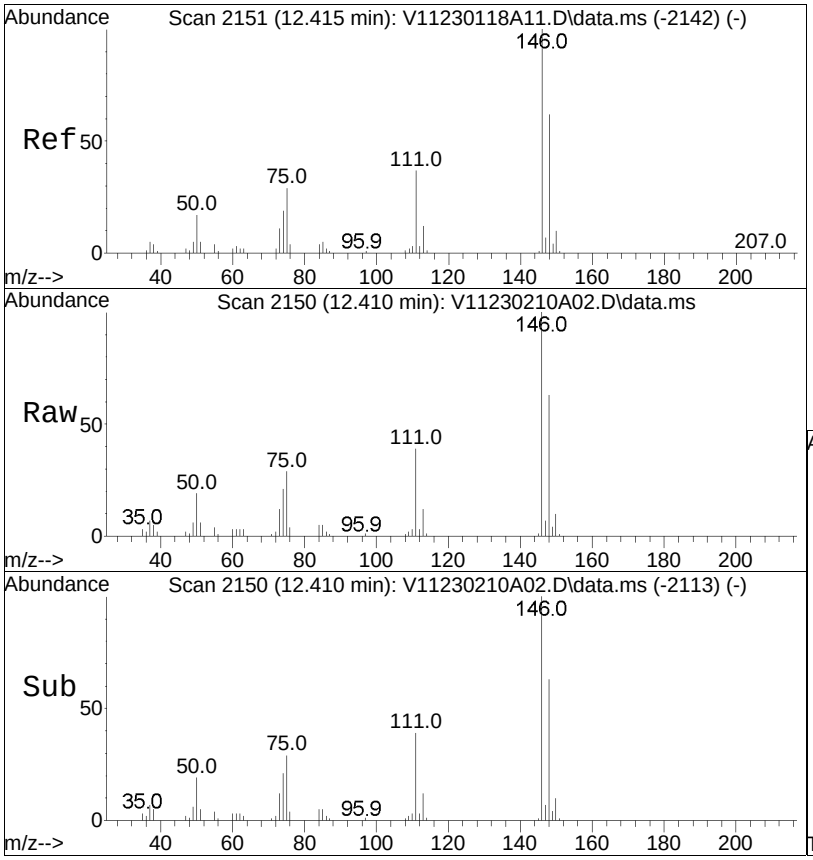


#99
p-Isopropyltoluene
Concen: 41.70 ug/L
RT: 12.347 min Scan# 2138
Delta R.T. -0.000 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:119 Resp: 146645

Ion	Ratio	Lower	Upper
119	100		
134	26.1	17.1	35.5
91	22.3	15.3	31.9

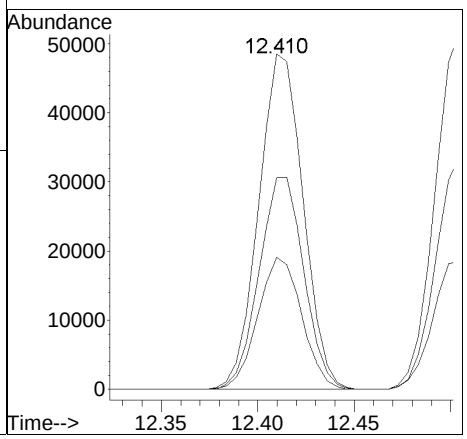


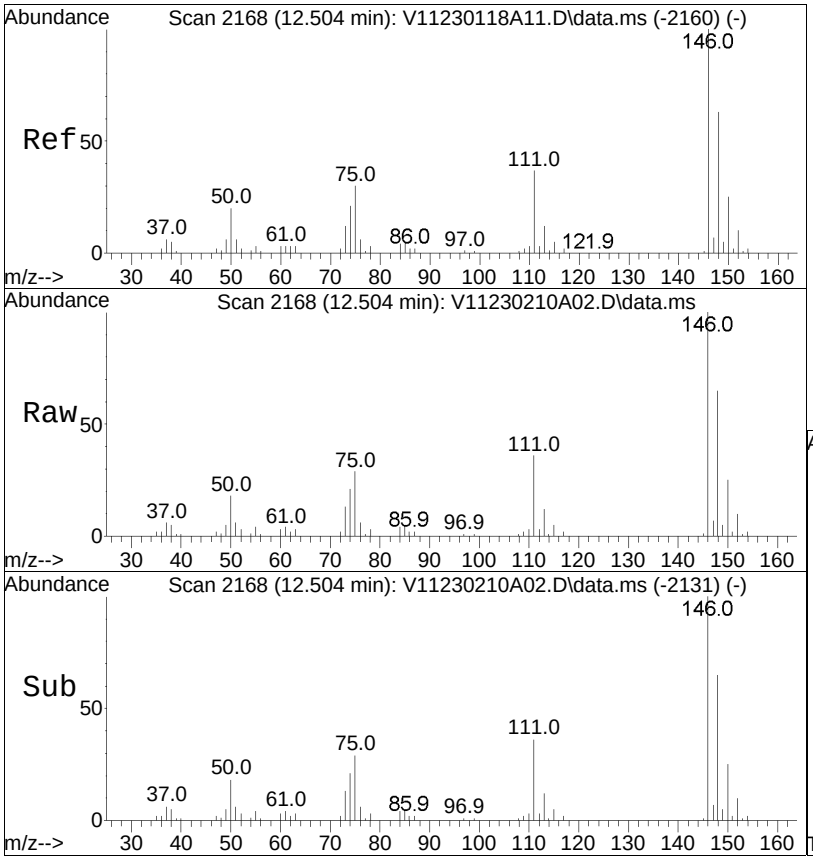


#100
1,3-Dichlorobenzene
Concen: 39.83 ug/L
RT: 12.410 min Scan# 2150
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:146 Resp: 77666

Ion	Ratio	Lower	Upper
146	100		
111	39.0	25.6	53.2
148	63.7	41.3	85.9

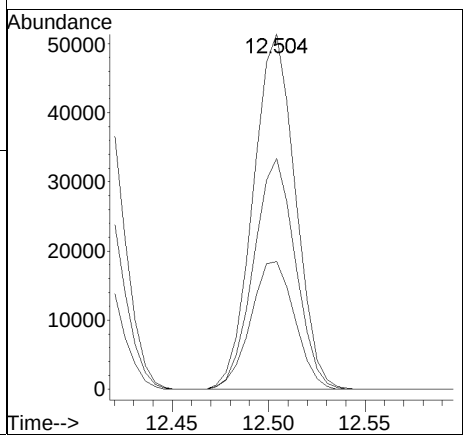


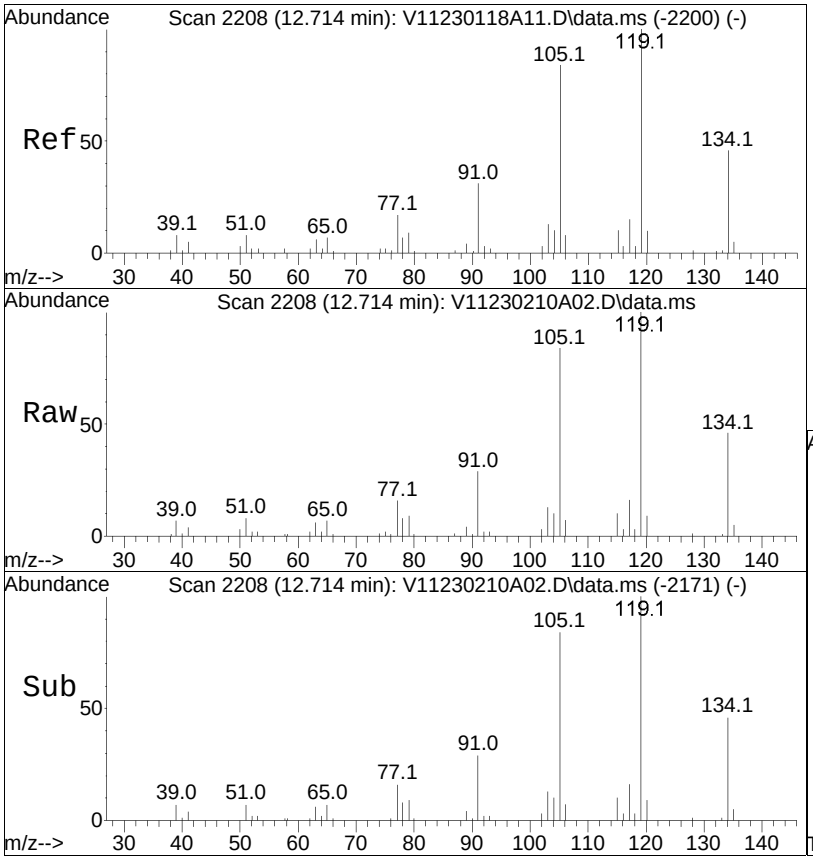


#101
1,4-Dichlorobenzene
Concen: 39.09 ug/L
RT: 12.504 min Scan# 2168
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:146 Resp: 78283

Ion	Ratio	Lower	Upper
146	100		
111	37.6	31.4	47.0
148	64.4	50.7	76.1

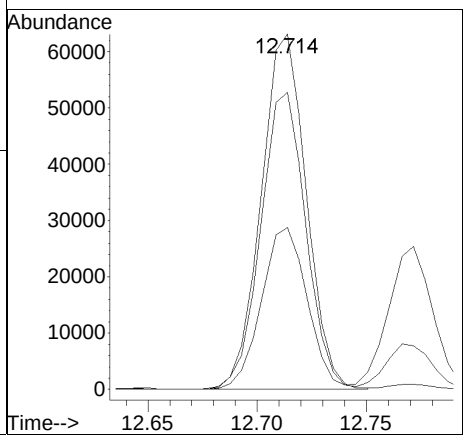


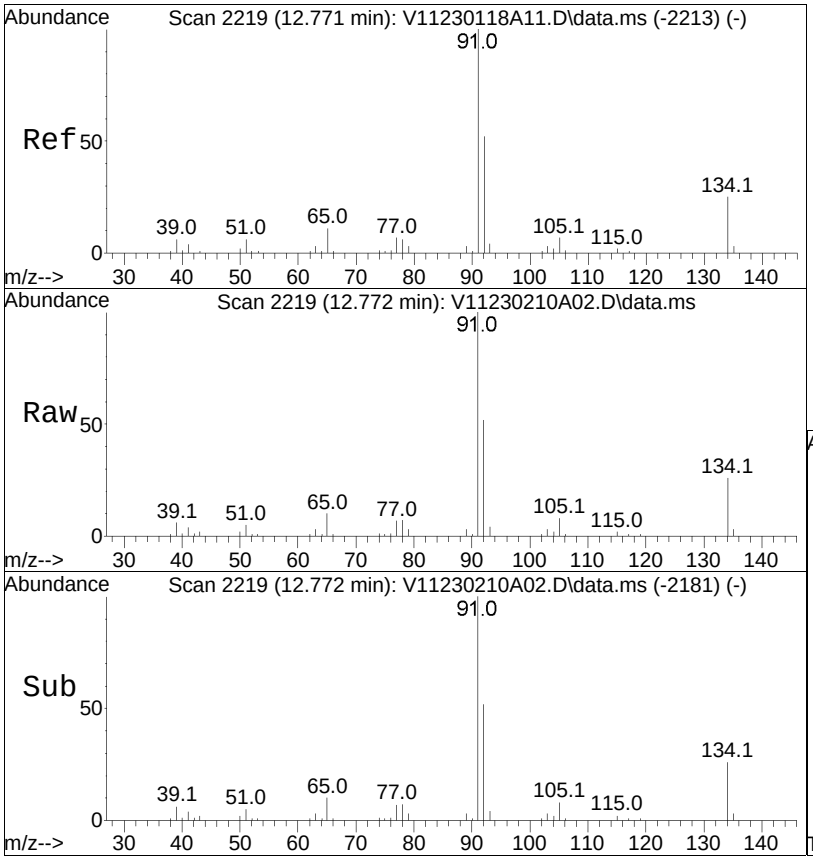


#102
p-Diethylbenzene
Concen: 42.95 ug/L
RT: 12.714 min Scan# 2208
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:119 Resp: 90690

Ion	Ratio	Lower	Upper
119	100		
105	83.6	54.5	113.3
134	46.2	29.9	62.1

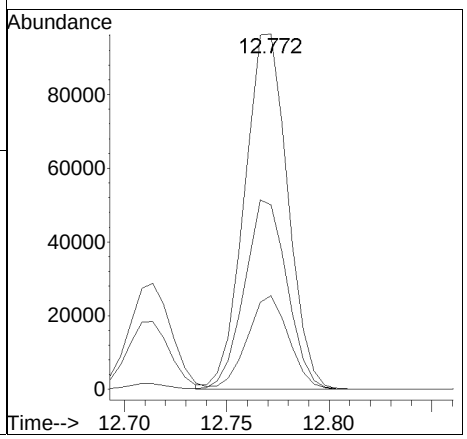


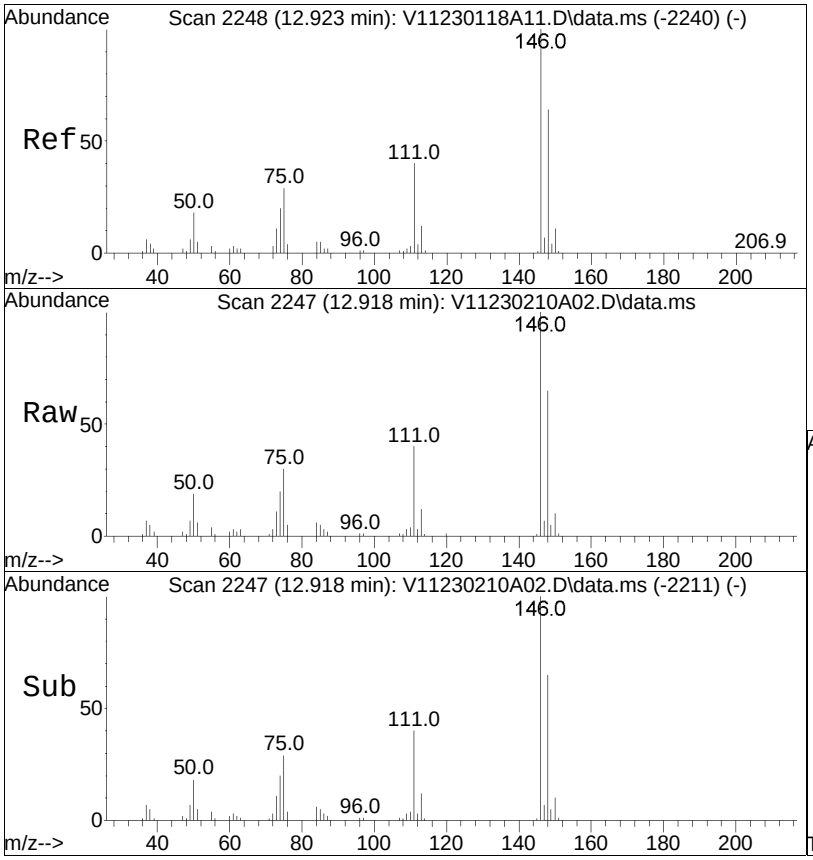


#103
n-Butylbenzene
Concen: 43.85 ug/L
RT: 12.772 min Scan# 2219
Delta R.T. 0.000 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion: 91 Resp: 142232

Ion	Ratio	Lower	Upper
91	100		
92	52.4	43.3	64.9
134	25.2	21.4	32.0

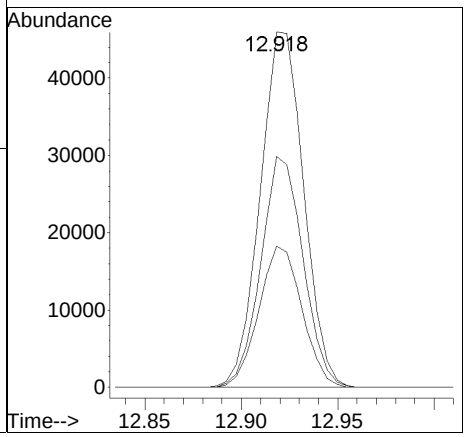


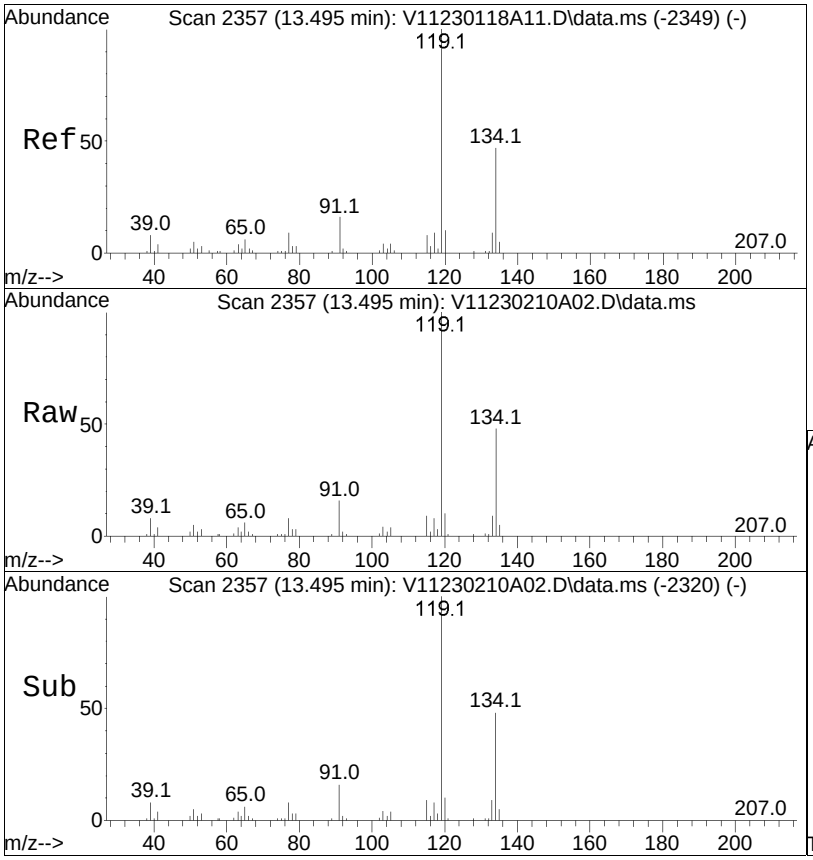


#104
1,2-Dichlorobenzene
Concen: 39.16 ug/L
RT: 12.918 min Scan# 2247
Delta R.T. -0.011 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:146 Resp: 72268

Ion	Ratio	Lower	Upper
146	100		
111	39.4	26.9	55.9
148	63.0	41.2	85.6

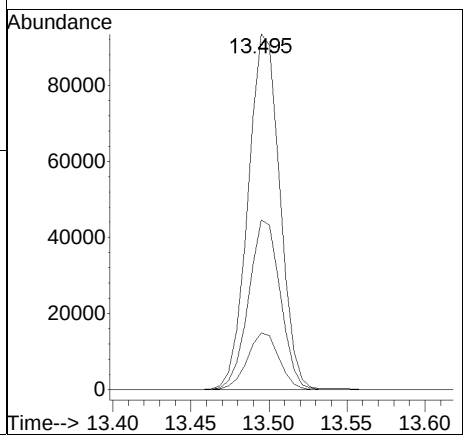


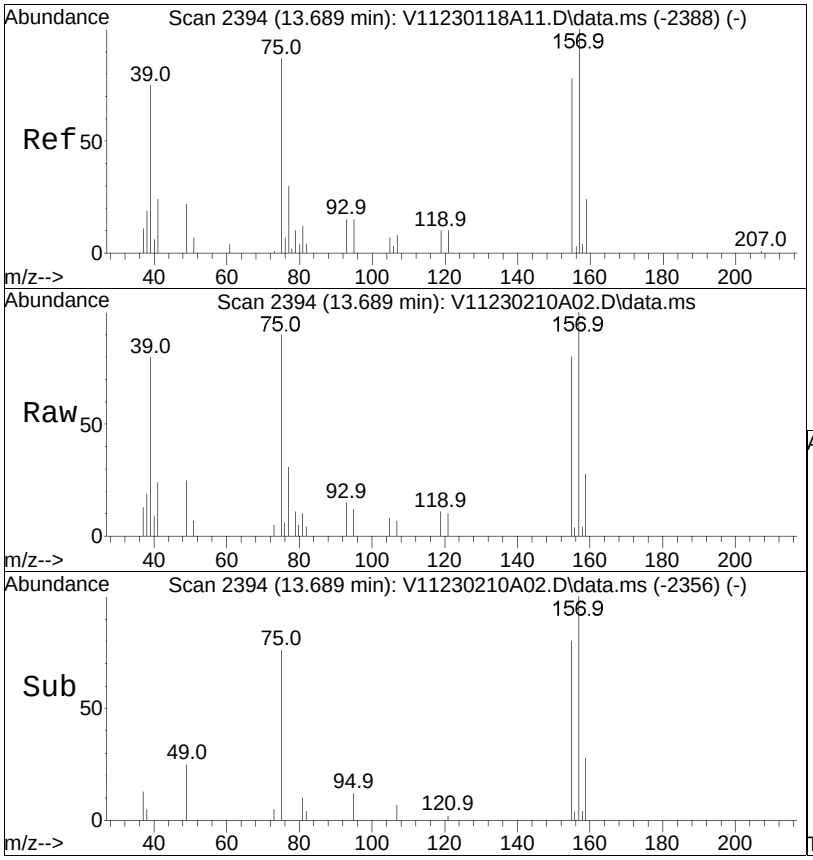


#105
1,2,4,5-Tetramethylbenzene
Concen: 40.13 ug/L
RT: 13.495 min Scan# 2357
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:119 Resp: 132366

Ion	Ratio	Lower	Upper
119	100		
134	47.5	31.1	64.5
91	15.7	10.4	21.6

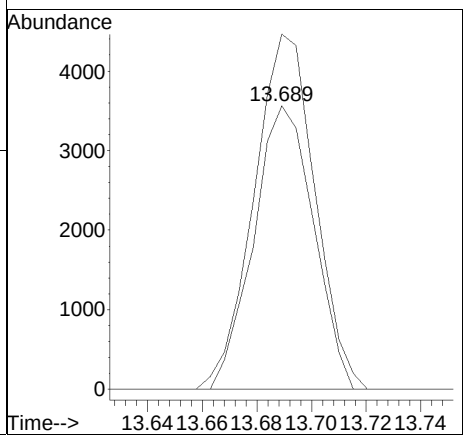


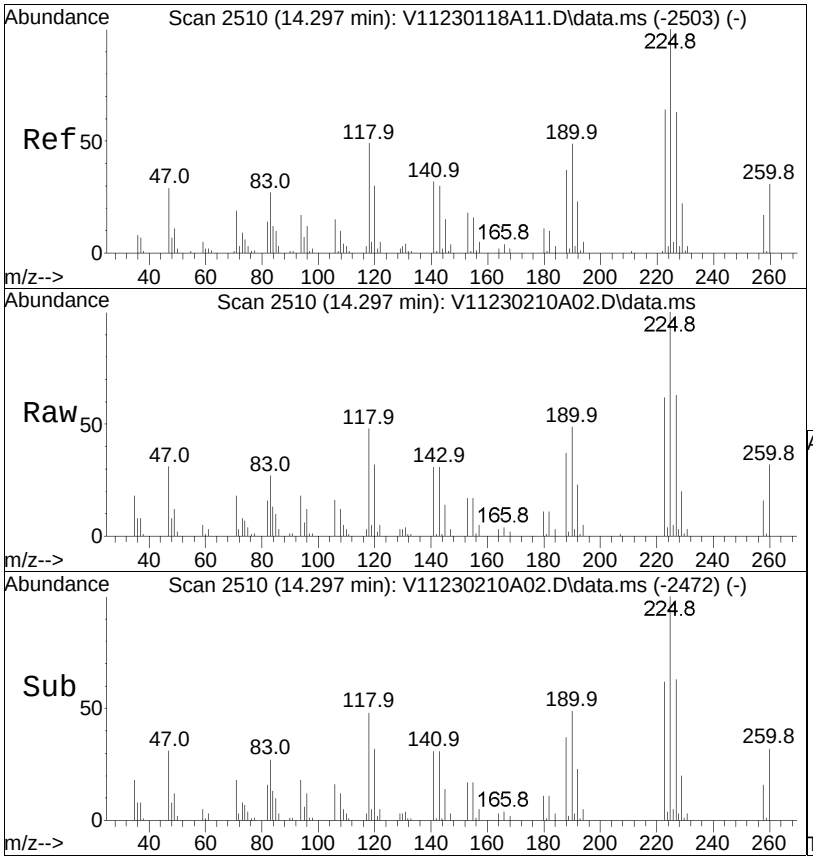


#106
1,2-Dibromo-3-chloropropane
Concen: 38.82 ug/L
RT: 13.689 min Scan# 2394
Delta R.T. 0.000 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:155 Resp: 5431

Ion	Ratio	Lower	Upper
155	100		
157	127.7	100.0	150.0

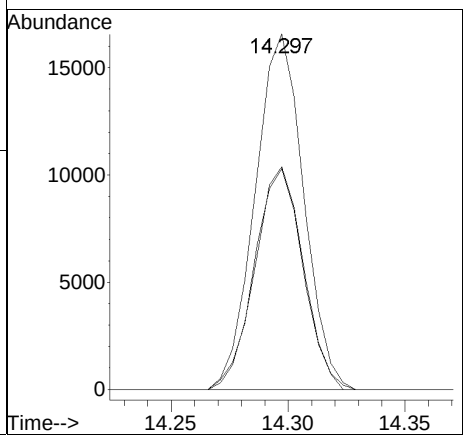


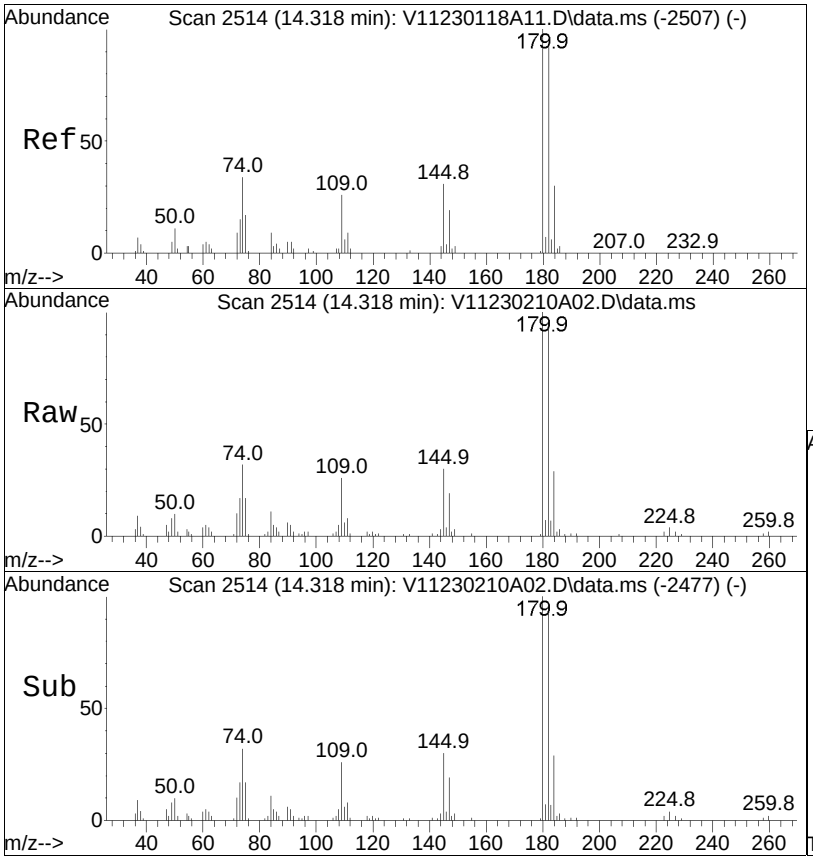


#108
Hexachlorobutadiene
Concen: 41.76 ug/L
RT: 14.297 min Scan# 2510
Delta R.T. 0.000 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:225 Resp: 23911

Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.9	74.9
227	62.4	50.6	75.8

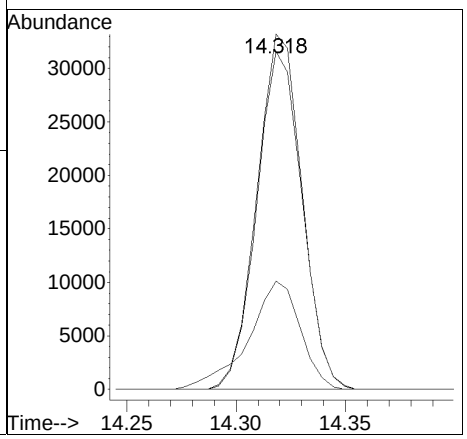


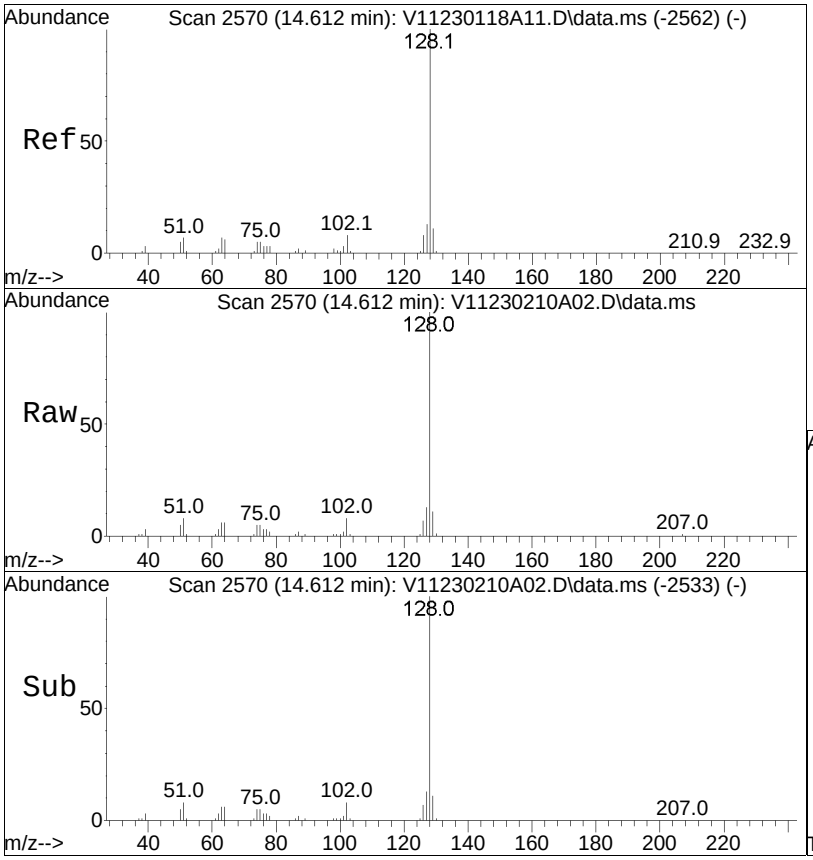


#109
1,2,4-Trichlorobenzene
Concen: 41.04 ug/L
RT: 14.318 min Scan# 2514
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:180 Resp: 47748

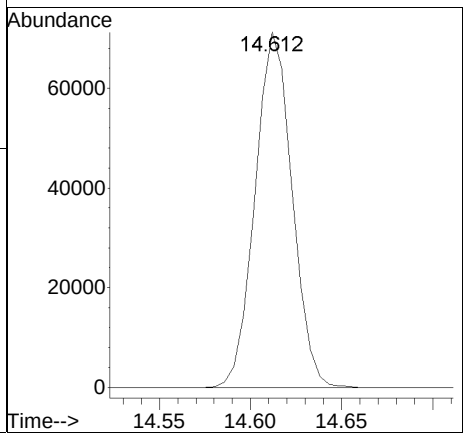
Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.8	113.6
145	35.0	29.6	44.4

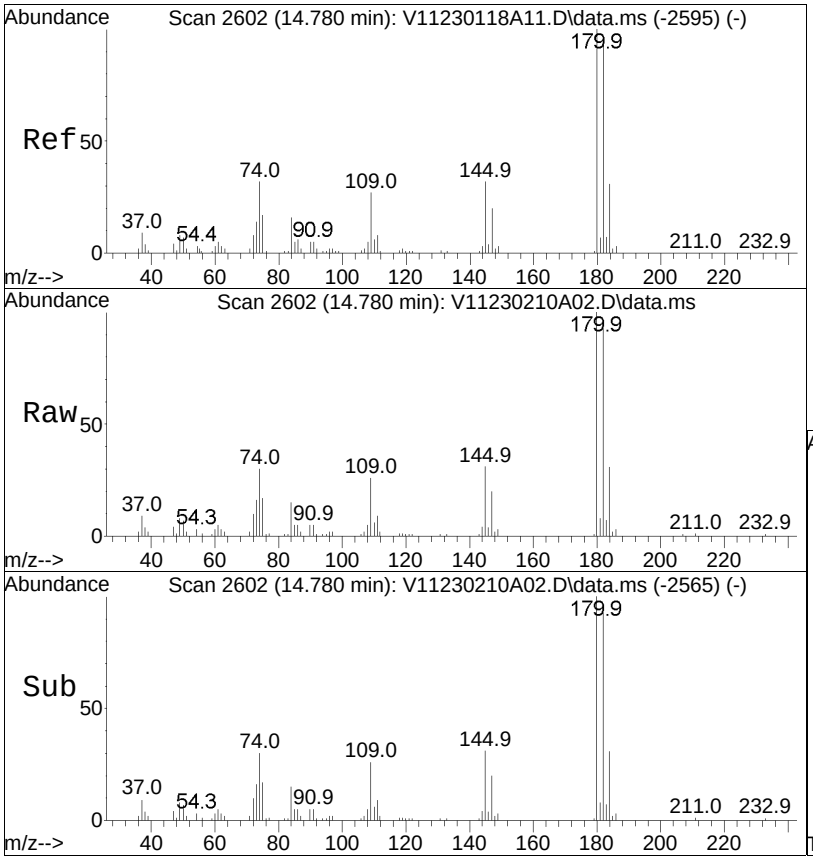




#110
Naphthalene
Concen: 40.26 ug/L
RT: 14.612 min Scan# 2570
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:128 Resp: 100704

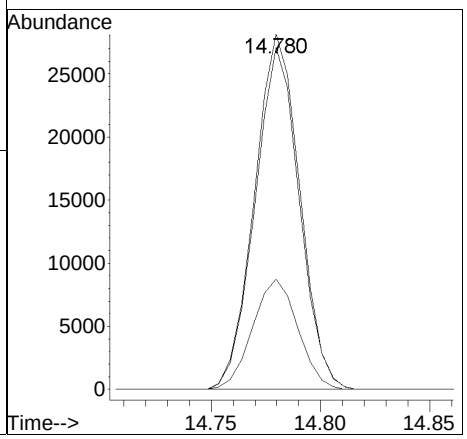




#111
1,2,3-Trichlorobenzene
Concen: 41.69 ug/L
RT: 14.780 min Scan# 2602
Delta R.T. -0.005 min
Lab File: V11230210A02.D
Acq: 10 Feb 2023 07:56 am

Tgt Ion:180 Resp: 40495

Ion	Ratio	Lower	Upper
180	100		
182	94.5	74.2	111.4
145	31.0	26.3	39.5



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2	QMethod	: V111_230118_8260.m
Data File	: V11230210A02.D	Operator	: VOA111:NLK
Date Inj'd	: 2/10/2023 7:56 am	Instrument	: VOA111
Sample	: WG1743940-3,31,5,5	Quant Date	: 2/10/2023 9:06 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213A02.D
Acq On : 13 Feb 2023 07:55 am
Operator : VOA111:AJK
Sample : WG1744281-3,31,5,5
Misc : WG1744281,ICAL19665
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 13 08:14:13 2023
Quant Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230213A\V11230213A02.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	84561	20.000	ug/L	0.00
Standard Area 1 = 84561			Recovery = 100.00%			
59) Chlorobenzene-d5	9.841	117	63730	20.000	ug/L	-0.01
Standard Area 1 = 63730			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.489	152	32706	20.000	ug/L	0.00
Standard Area 1 = 32706			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.431	113	21334	19.672	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.36%			
43) 1,2-Dichloroethane-d4	5.971	65	20916	19.452	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.26%			
60) Toluene-d8	7.979	98	82846	20.055	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.28%			
83) 4-Bromofluorobenzene	11.298	95	26291	19.064	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.32%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	33205	33.586	ug/L	98
3) Chloromethane	1.898	50	38991	33.755	ug/L	97
4) Vinyl chloride	1.955	62	54215	38.092	ug/L	96
5) Bromomethane	2.301	94	56952	36.425	ug/L	97
6) Chloroethane	2.427	64	27087	42.767	ug/L	95
7) Trichlorofluoromethane	2.584	101	56349	43.088	ug/L	100
8) Ethyl ether	2.899	74	17082	40.601	ug/L #	64
10) 1,1-Dichloroethene	3.103	96	34087	40.337	ug/L	77
11) Carbon disulfide	3.140	76	118401	62.732	ug/L	99
15) Methylene chloride	3.685	84	39441	32.224	ug/L	66
17) Acetone	3.722	43	11092	38.670	ug/L	94
18) trans-1,2-Dichloroethene	3.848	96	38743	38.462	ug/L	80
20) Methyl tert-butyl ether	3.948	73	90238	37.995	ug/L #	84
23) 1,1-Dichloroethane	4.451	63	67768	37.203	ug/L	96
25) Acrylonitrile	4.488	53	9719	40.252	ug/L	94
27) Vinyl acetate	4.687	43	79092	39.649	ug/L #	90
28) cis-1,2-Dichloroethene	4.980	96	42455	37.203	ug/L #	80
29) 2,2-Dichloropropane	5.091	77	59366	39.822	ug/L	88
30) Bromochloromethane	5.180	128	20227	38.153	ug/L #	63
32) Chloroform	5.253	83	71715	37.354	ug/L	94

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213A02.D
Acq On : 13 Feb 2023 07:55 am
Operator : VOA111:AJK
Sample : WG1744281-3,31,5,5
Misc : WG1744281,ICAL19665
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 13 08:14:13 2023
Quant Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230213A\V11230213A02.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	5.405	117	52682	40.131	ug/L		98
37) 1,1,1-Trichloroethane	5.468	97	57259	40.056	ug/L		97
39) 2-Butanone	5.547	43	14735	39.551	ug/L		98
40) 1,1-Dichloropropene	5.589	75	50309	40.552	ug/L		99
41) Benzene	5.840	78	149653	37.453	ug/L	#	89
44) 1,2-Dichloroethane	6.045	62	47572	35.131	ug/L		98
48) Trichloroethene	6.443	95	41049	40.065	ug/L		99
50) Dibromomethane	6.889	93	23442	36.769	ug/L		97
51) 1,2-Dichloropropane	6.994	63	38668	36.918	ug/L		96
54) Bromodichloromethane	7.062	83	53562	36.559	ug/L		99
57) 1,4-Dioxane	7.282	88	18088	2162.165	ug/L	#	71
58) cis-1,3-Dichloropropene	7.765	75	63231	37.943	ug/L	#	88
61) Toluene	8.037	92	91940	37.326	ug/L		93
62) 4-Methyl-2-pentanone	8.467	58	10938	34.535	ug/L	#	79
63) Tetrachloroethene	8.493	166	39197	41.404	ug/L		98
65) trans-1,3-Dichloropropene	8.514	75	56198	36.685	ug/L	#	82
68) 1,1,2-Trichloroethane	8.708	83	27194	37.158	ug/L		99
69) Chlorodibromomethane	8.923	129	38524	37.324	ug/L		97
70) 1,3-Dichloropropane	9.033	76	54551	36.882	ug/L		99
71) 1,2-Dibromoethane	9.206	107	31979	38.833	ug/L		98
72) 2-Hexanone	9.479	43	20768	39.113	ug/L		93
73) Chlorobenzene	9.862	112	107459	37.345	ug/L		91
74) Ethylbenzene	9.904	91	178567	38.478	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.946	131	37906	38.437	ug/L		98
76) p/m Xylene	10.087	106	139885	79.130	ug/L		98
77) o Xylene	10.617	106	134901	78.956	ug/L		98
78) Styrene	10.680	104	230965	80.058	ug/L		93
80) Bromoform	10.701	173	24367	37.267	ug/L		99
82) Isopropylbenzene	10.984	105	174610	39.409	ug/L		100
84) Bromobenzene	11.414	156	43266	36.673	ug/L		100
85) n-Propylbenzene	11.450	91	217115	39.206	ug/L		99
87) 1,1,2,2-Tetrachloroethane	11.529	83	40673	36.645	ug/L		100
88) 4-Ethyltoluene	11.576	105	177028	39.886	ug/L		100
89) 2-Chlorotoluene	11.618	91	121228	37.321	ug/L		90
90) 1,3,5-Trimethylbenzene	11.671	105	146091	38.672	ug/L		99
91) 1,2,3-Trichloropropane	11.665	75	31772	36.492	ug/L		99
92) trans-1,4-Dichloro-2-b...	11.713	53	12085	41.674	ug/L	#	79
93) 4-Chlorotoluene	11.796	91	126255	37.397	ug/L		99
94) tert-Butylbenzene	12.006	119	125737	39.423	ug/L		97

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213A02.D
Acq On : 13 Feb 2023 07:55 am
Operator : VOA111:AJK
Sample : WG1744281-3,31,5,5
Misc : WG1744281,ICAL19665
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 13 08:14:13 2023
Quant Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230213A\V11230213A02.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	12.085	105	143594	38.177	ug/L	100
98) sec-Butylbenzene	12.195	105	194968	40.377	ug/L	99
99) p-Isopropyltoluene	12.347	119	162843	39.520	ug/L	99
100) 1,3-Dichlorobenzene	12.410	146	86642	37.924	ug/L	98
101) 1,4-Dichlorobenzene	12.504	146	86800	36.990	ug/L	98
102) p-Diethylbenzene	12.714	119	99848	40.354	ug/L	100
103) n-Butylbenzene	12.766	91	154790	40.731	ug/L	98
104) 1,2-Dichlorobenzene	12.919	146	79294	36.672	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.495	119	144670	37.436	ug/L	100
106) 1,2-Dibromo-3-chloropr...	13.689	155	5810	35.441	ug/L	93
108) Hexachlorobutadiene	14.297	225	25755	38.388	ug/L	99
109) 1,2,4-Trichlorobenzene	14.318	180	51355	37.670	ug/L	98
110) Naphthalene	14.612	128	108813	37.127	ug/L	100
111) 1,2,3-Trichlorobenzene	14.780	180	42815	37.617	ug/L	98

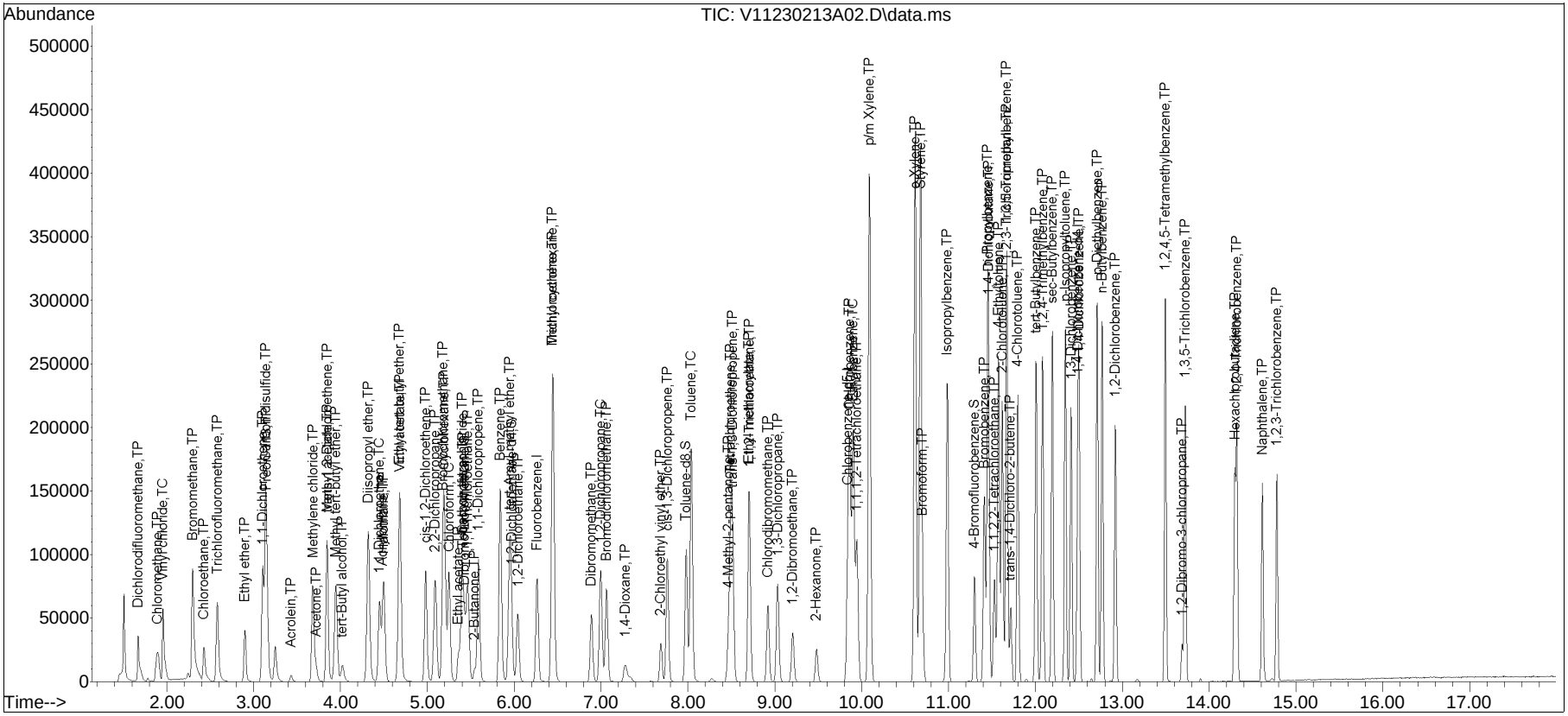
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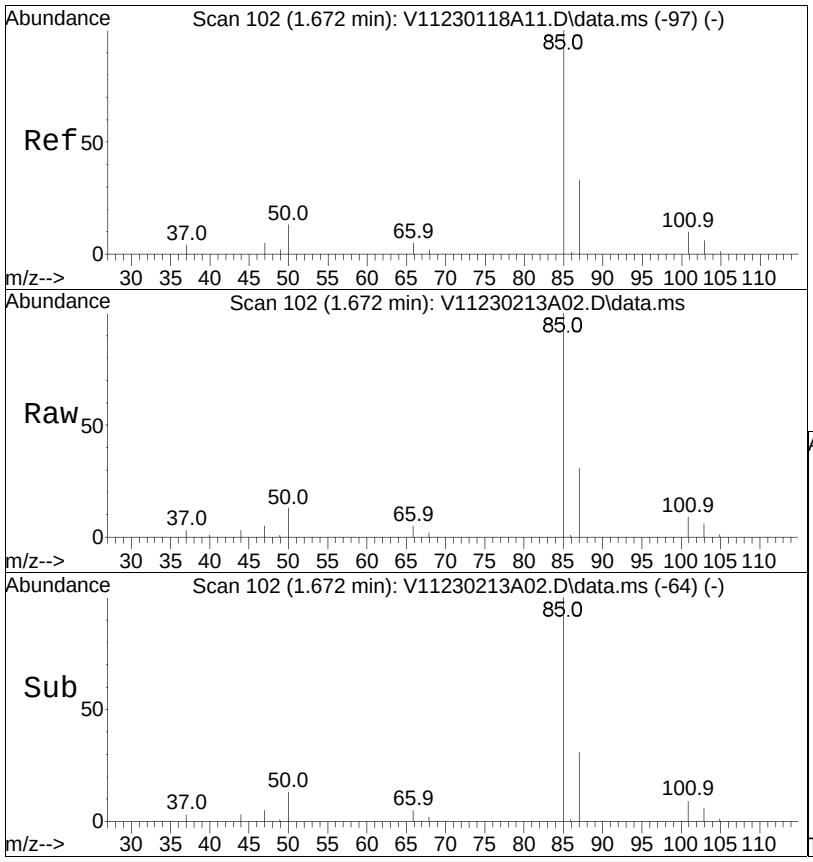
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213A02.D
Acq On : 13 Feb 2023 07:55 am
Operator : VOA111:AJK
Sample : WG1744281-3,31,5,5
Misc : WG1744281,ICAL19665
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 13 08:14:13 2023
Quant Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox3A\V11230213A02.D•

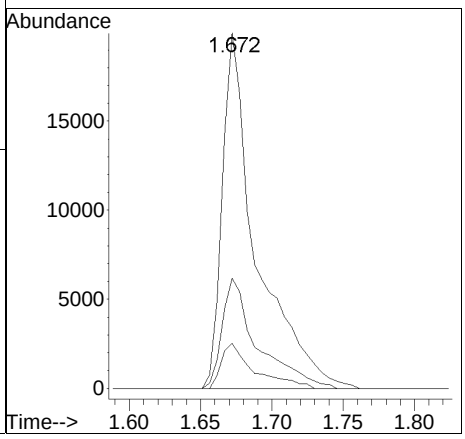


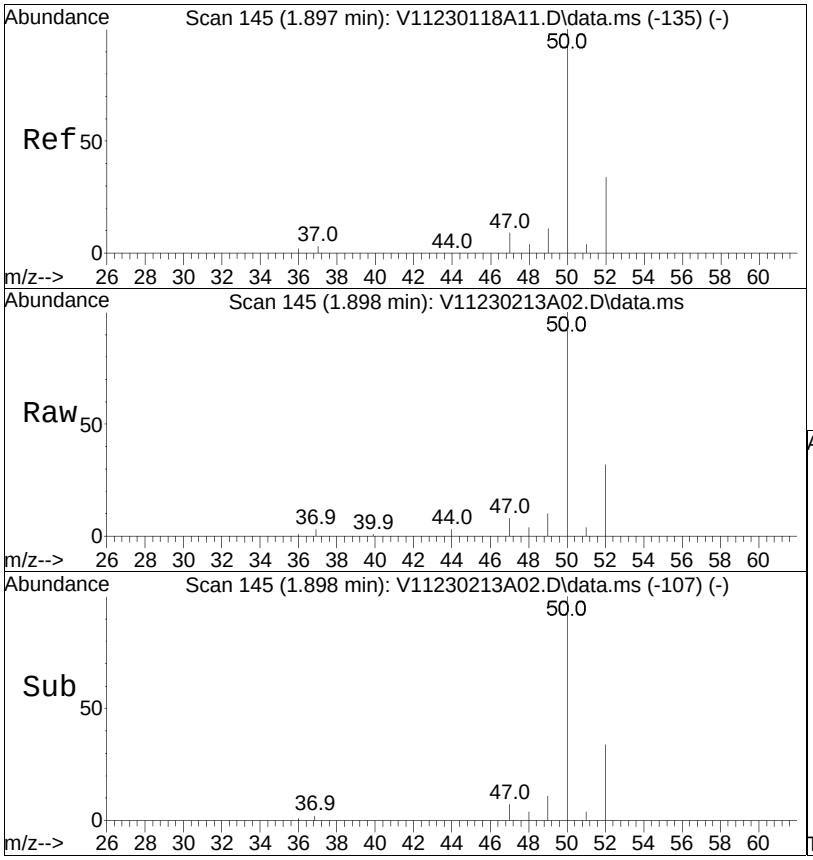


#2
Dichlorodifluoromethane
Concen: 33.59 ug/L
RT: 1.672 min Scan# 102
Delta R.T. 0.000 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 85 Resp: 33205

Ion	Ratio	Lower	Upper
85	100		
87	32.2	20.7	43.1
50	12.3	9.8	20.3

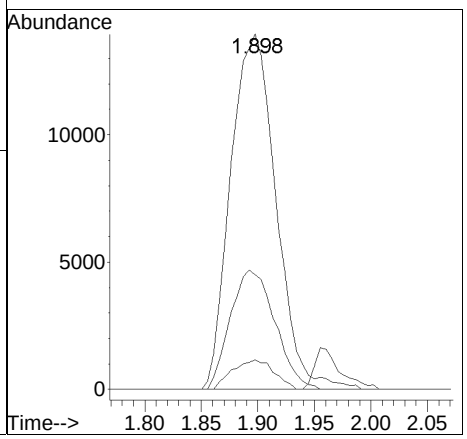


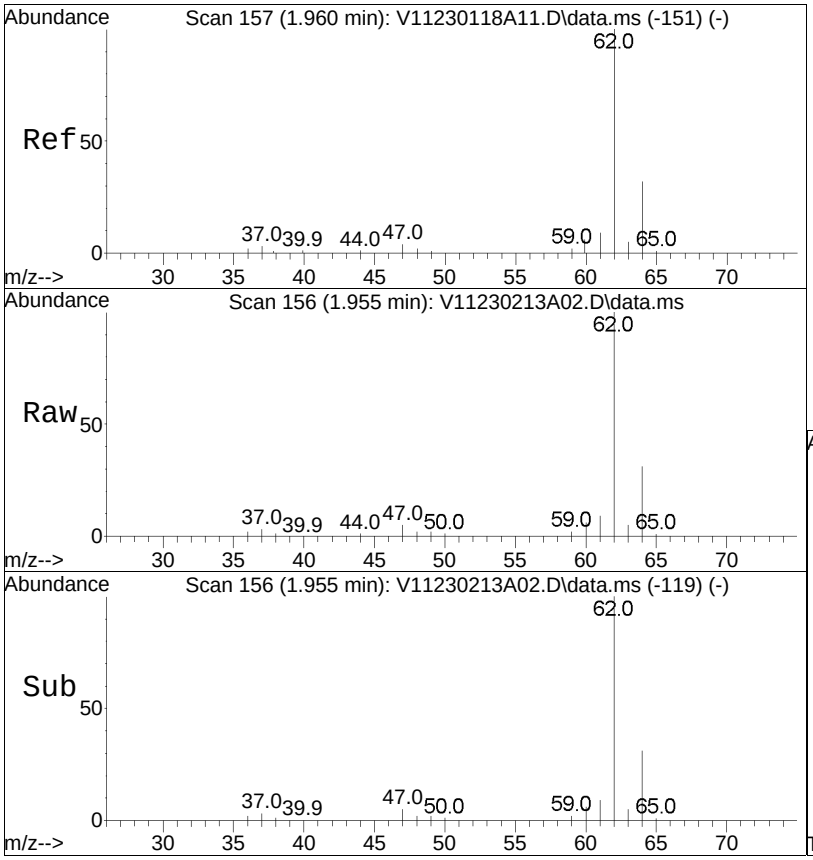


#3
Chloromethane
Concen: 33.75 ug/L
RT: 1.898 min Scan# 145
Delta R.T. 0.000 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 50 Resp: 38991

Ion	Ratio	Lower	Upper
50	100		
52	33.0	10.9	50.9
47	7.7	0.0	27.2

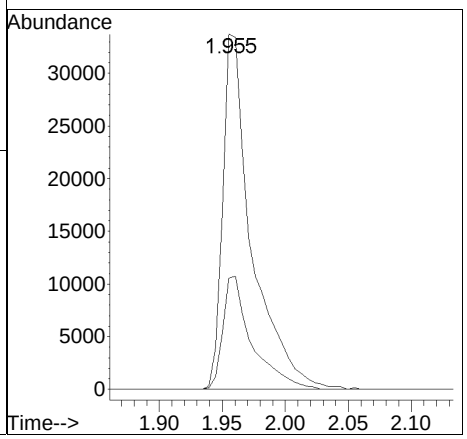


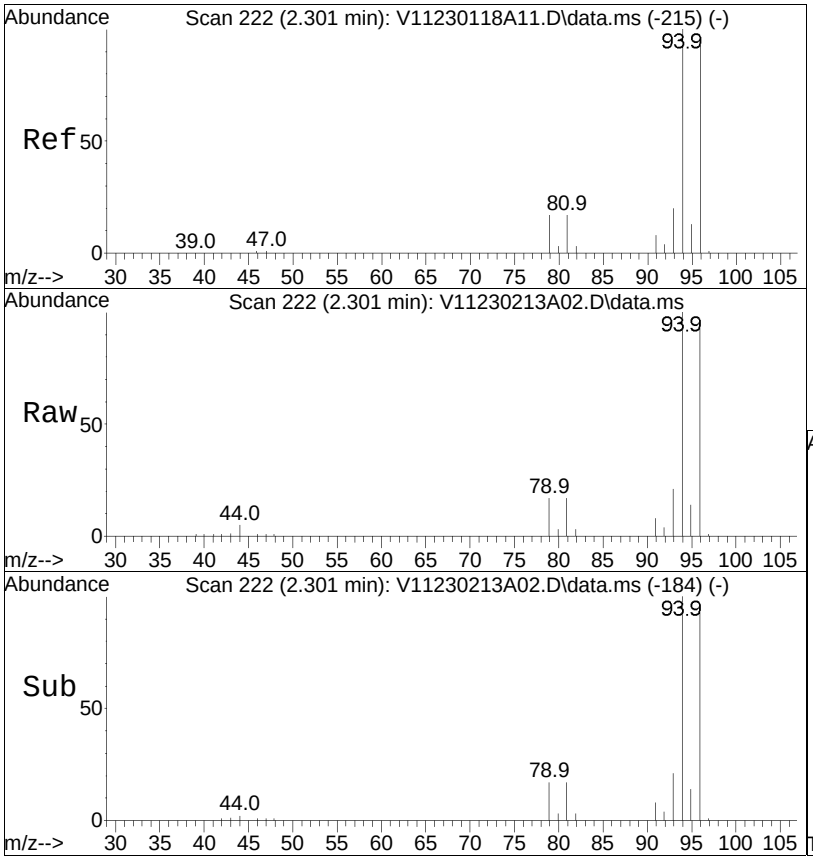


#4
Vinyl chloride
Concen: 38.09 ug/L
RT: 1.955 min Scan# 156
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 62 Resp: 54215

Ion	Ratio	Lower	Upper
62	100		
64	31.9	9.9	49.9

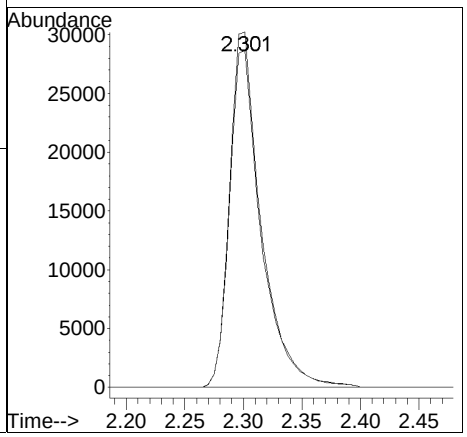


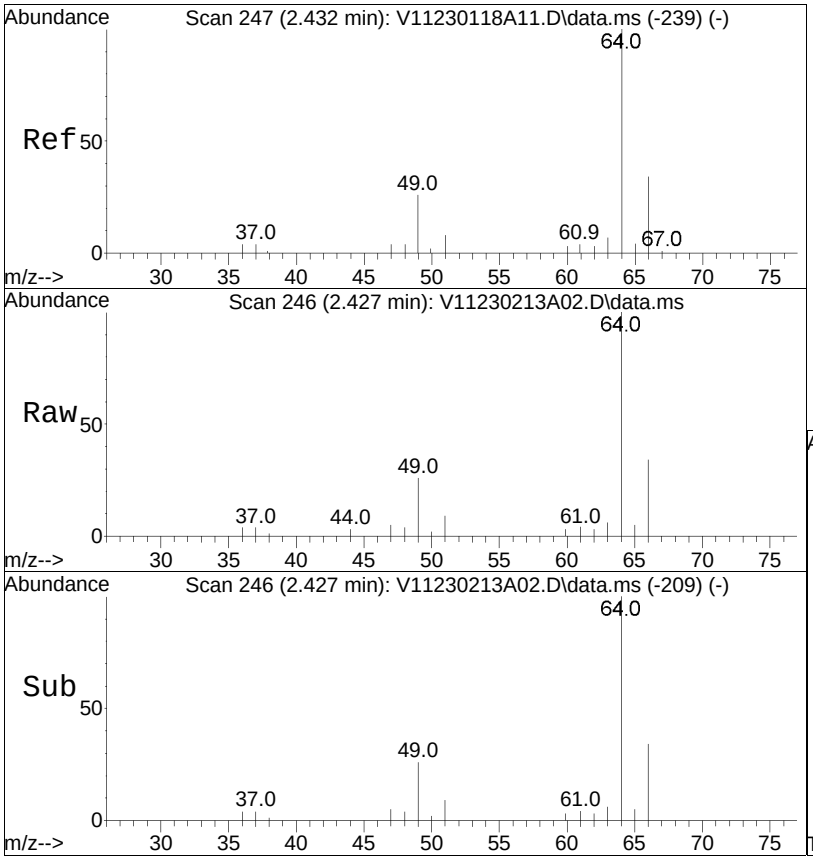


#5
Bromomethane
Concen: 36.42 ug/L
RT: 2.301 min Scan# 222
Delta R.T. 0.000 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 94 Resp: 56952

Ion	Ratio	Lower	Upper
94	100		
96	95.0	72.6	112.6

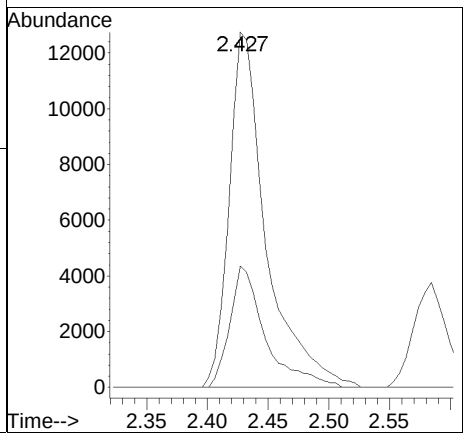


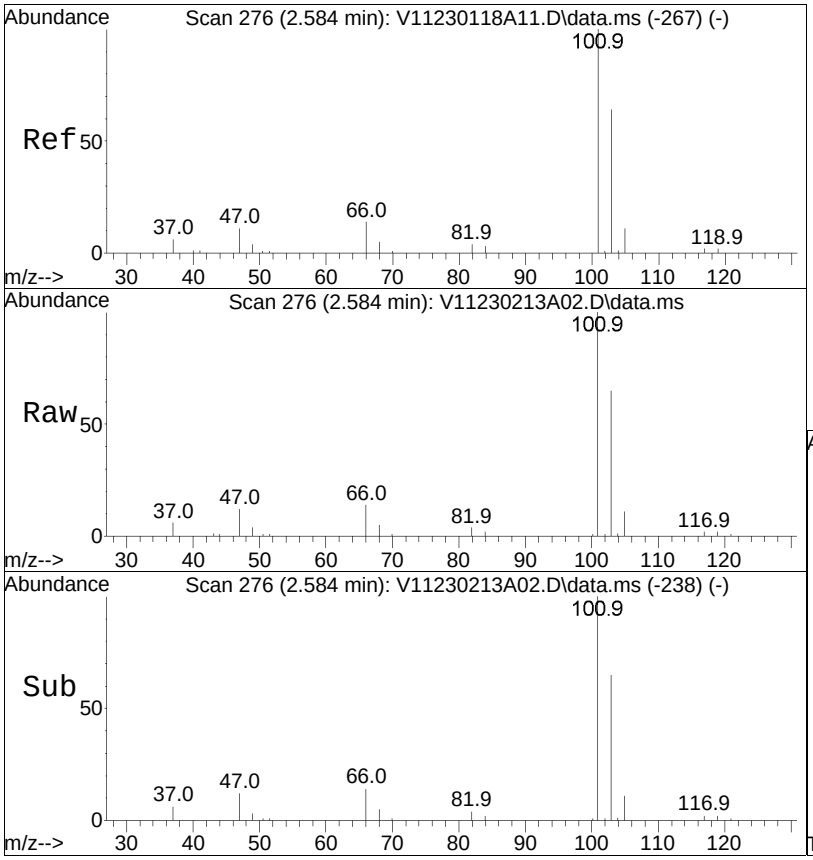


#6
Chloroethane
Concen: 42.77 ug/L
RT: 2.427 min Scan# 246
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 64 Resp: 27087

Ion	Ratio	Lower	Upper
64	100		
66	32.8	10.2	50.2

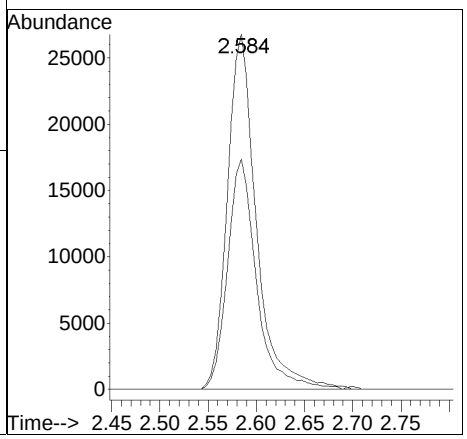


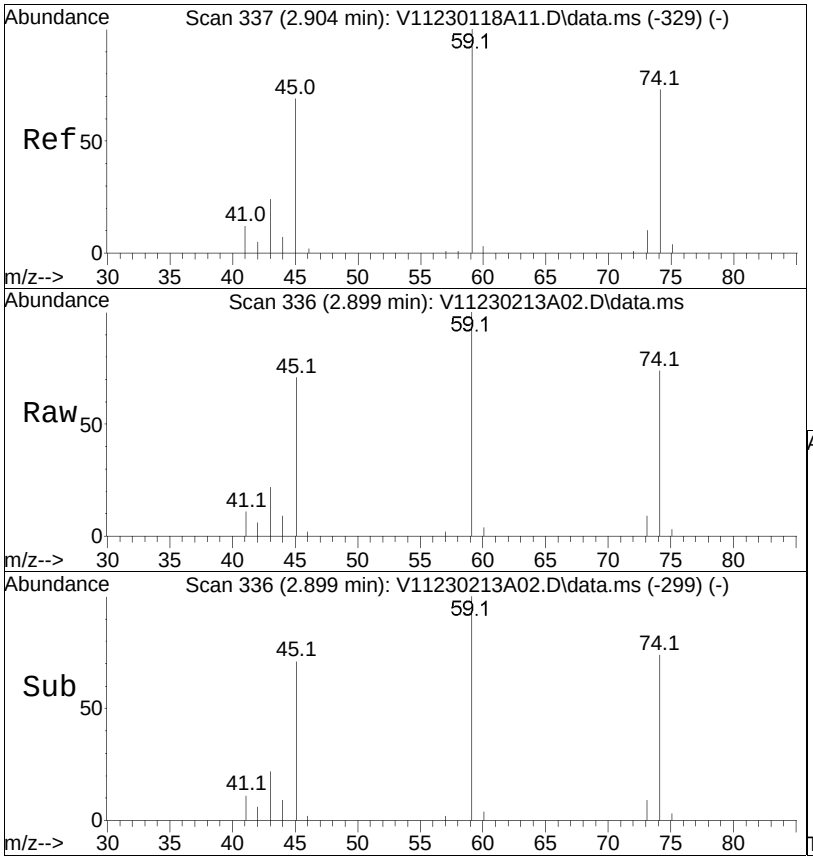


#7
Trichlorofluoromethane
Concen: 43.09 ug/L
RT: 2.584 min Scan# 276
Delta R.T. 0.000 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:101 Resp: 56349

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.8	77.6

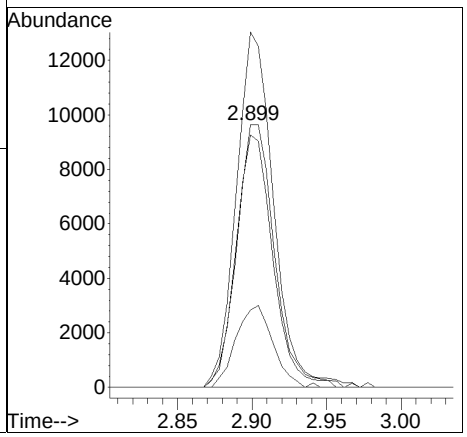


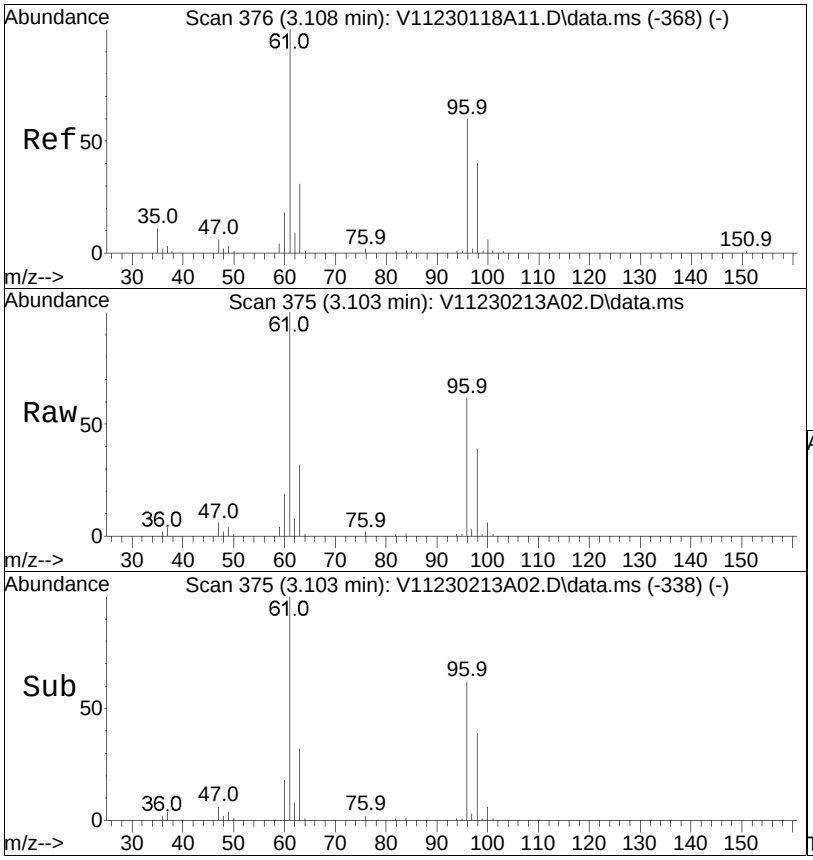


#8
Ethyl ether
Concen: 40.60 ug/L
RT: 2.899 min Scan# 336
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 74 Resp: 17082

Ion	Ratio	Lower	Upper
74	100		
59	133.4	113.5	235.7
45	93.4	100.4	208.4#
43	30.5	27.1	56.3

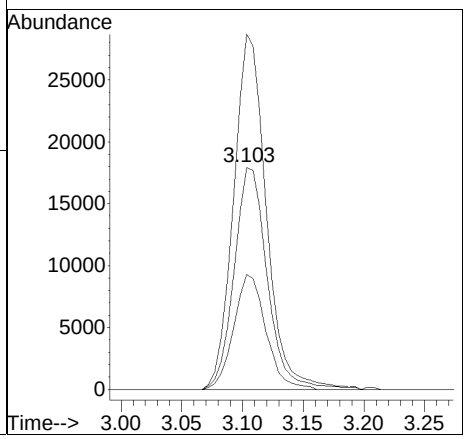


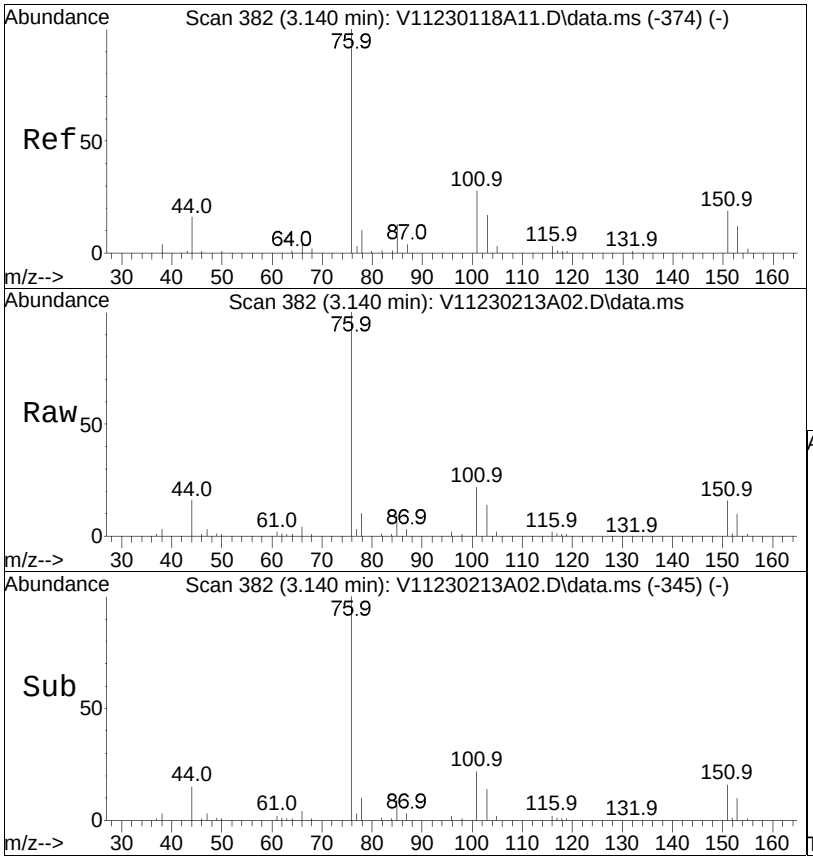


#10
1,1-Dichloroethene
Concen: 40.34 ug/L
RT: 3.103 min Scan# 375
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 96 Resp: 34087

Ion	Ratio	Lower	Upper
96	100		
61	157.9	157.7	236.5
63	50.2	47.9	71.9

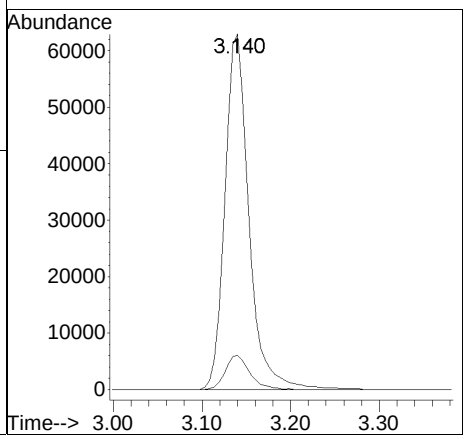


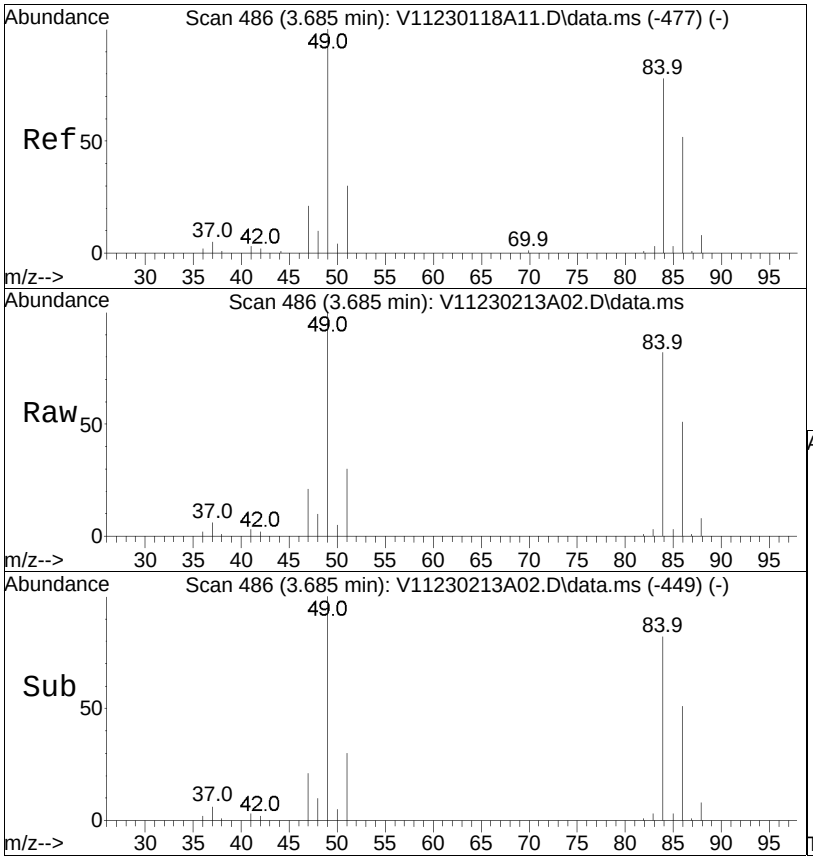


#11
Carbon disulfide
Concen: 62.73 ug/L
RT: 3.140 min Scan# 382
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 76 Resp: 118401

Ion	Ratio	Lower	Upper
76	100		
78	9.7	6.4	13.4

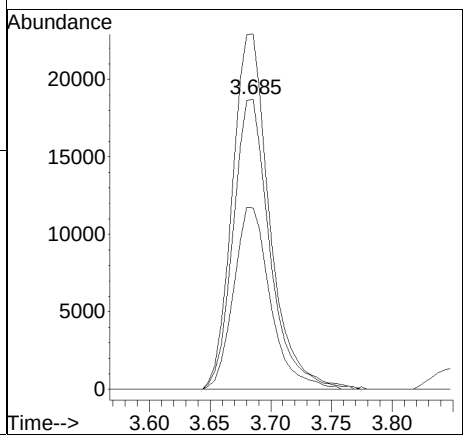


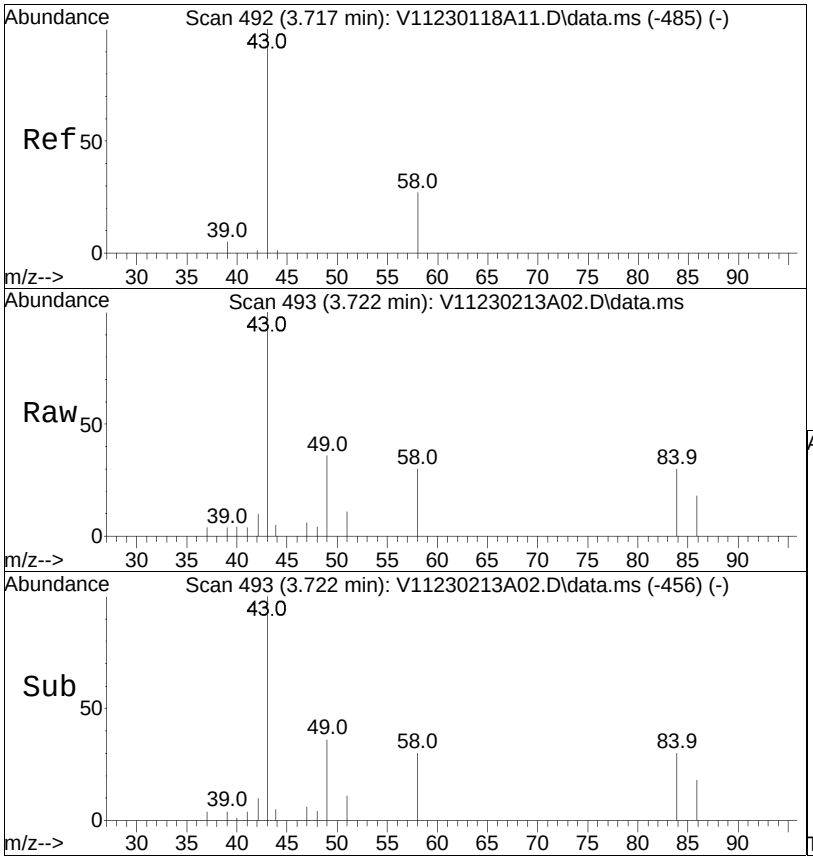


#15
Methylene chloride
Concen: 32.22 ug/L
RT: 3.685 min Scan# 486
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 84 Resp: 39441

Ion	Ratio	Lower	Upper
84	100		
86	63.0	41.1	85.3
49	124.6	124.2	258.0

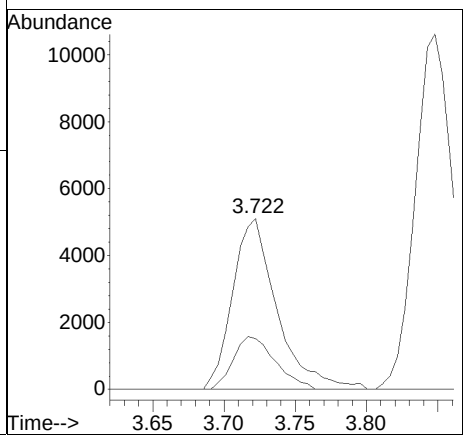


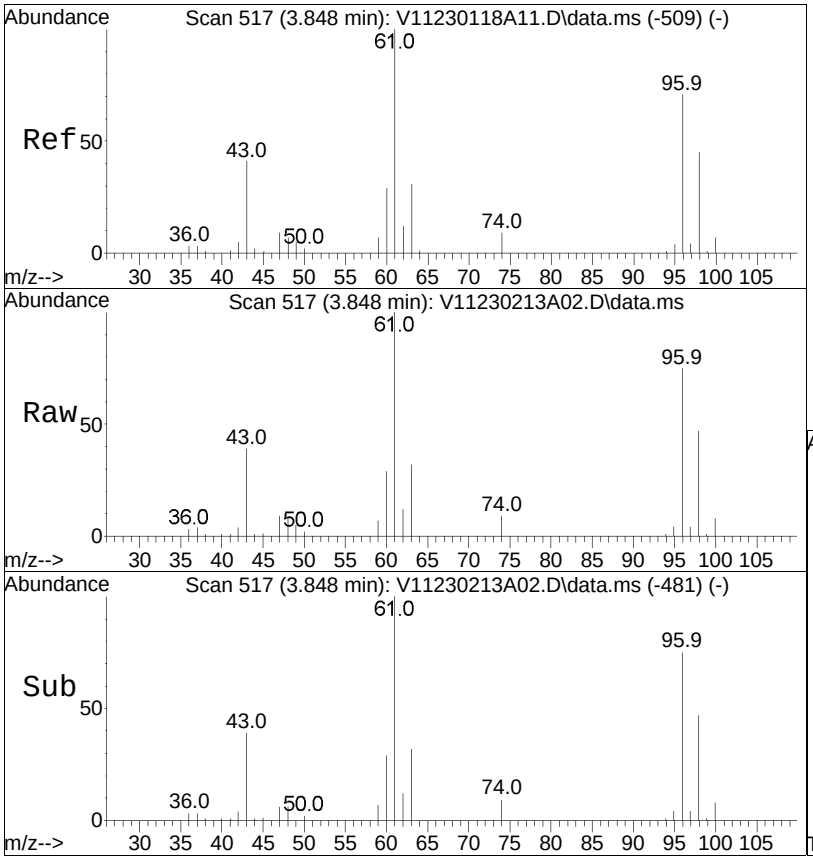


#17
Acetone
Concen: 38.67 ug/L
RT: 3.722 min Scan# 493
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 43 Resp: 11092

Ion	Ratio	Lower	Upper
43	100		
58	29.3	20.8	31.2

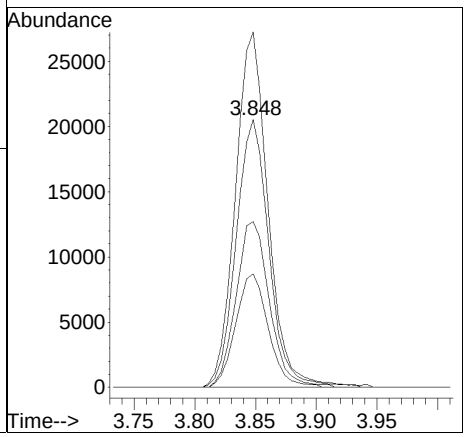


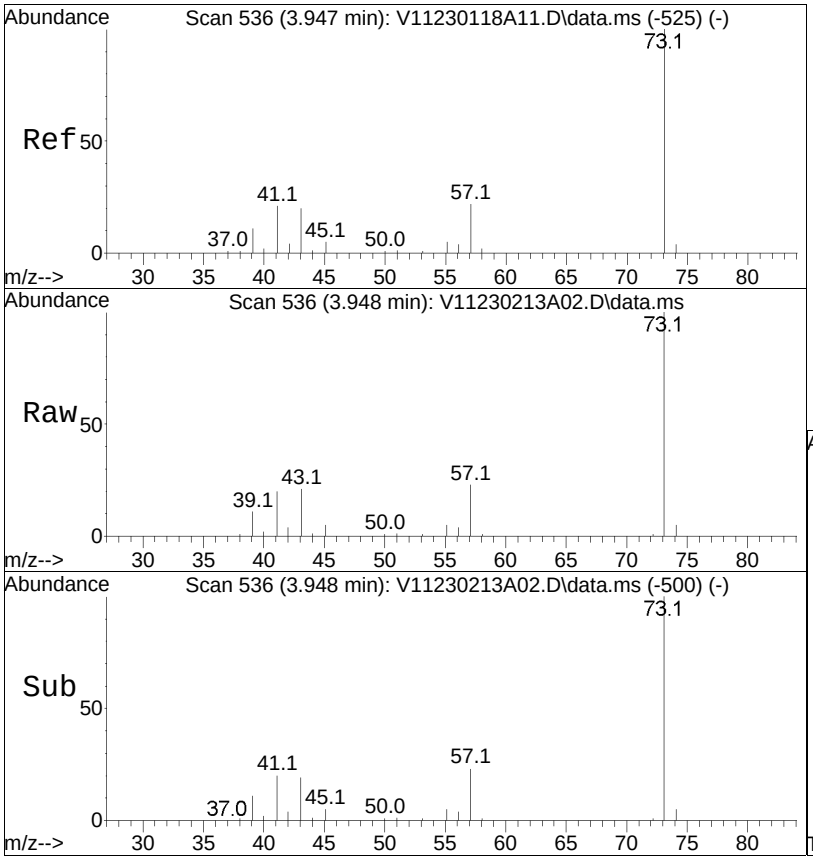


#18
trans-1,2-Dichloroethene
Concen: 38.46 ug/L
RT: 3.848 min Scan# 517
Delta R.T. -0.010 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 96 Resp: 38743

Ion	Ratio	Lower	Upper
96	100		
61	131.8	111.1	230.8
98	62.9	41.8	86.8
63	42.1	33.3	69.1

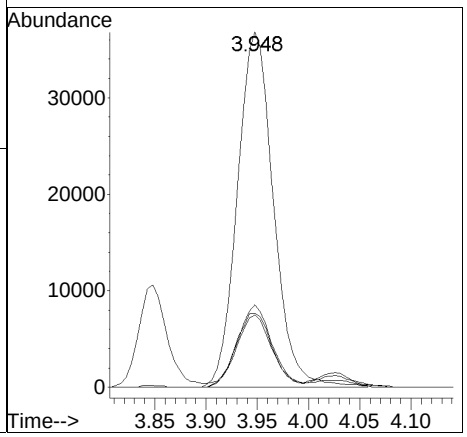


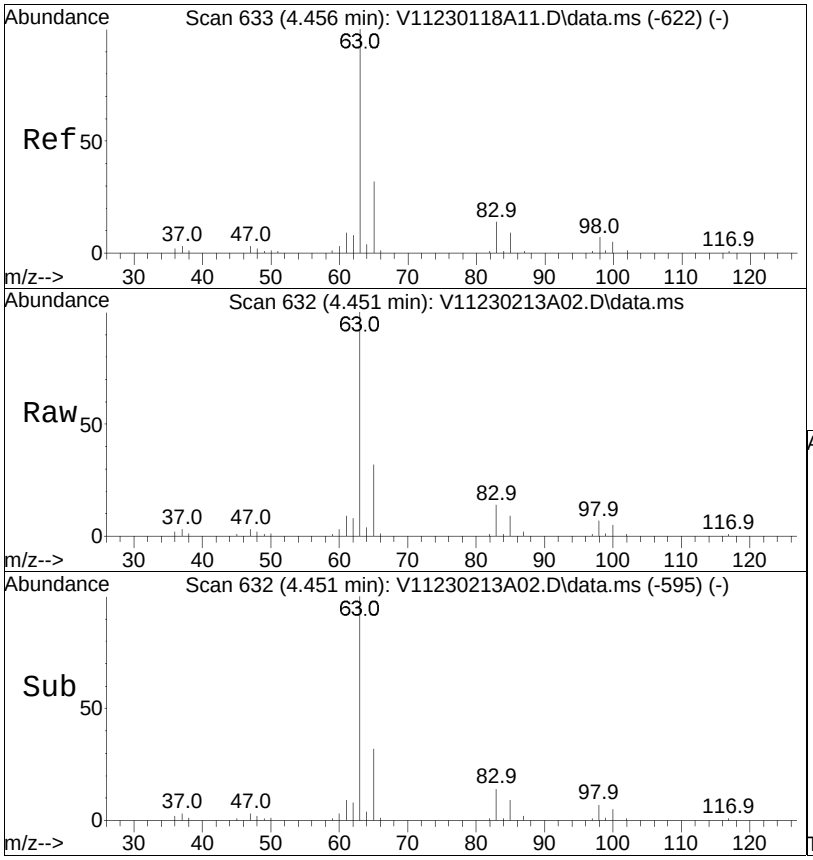


#20
Methyl tert-butyl ether
Concen: 38.00 ug/L
RT: 3.948 min Scan# 536
Delta R.T. -0.010 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 73 Resp: 90238

Ion	Ratio	Lower	Upper
73	100		
57	22.2	19.6	40.6
43	21.4	18.5	38.3
41	20.1	20.3	42.1#

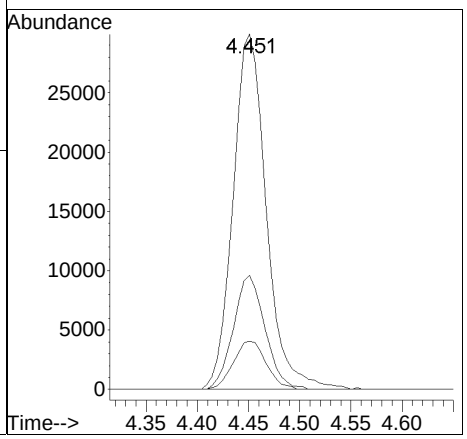


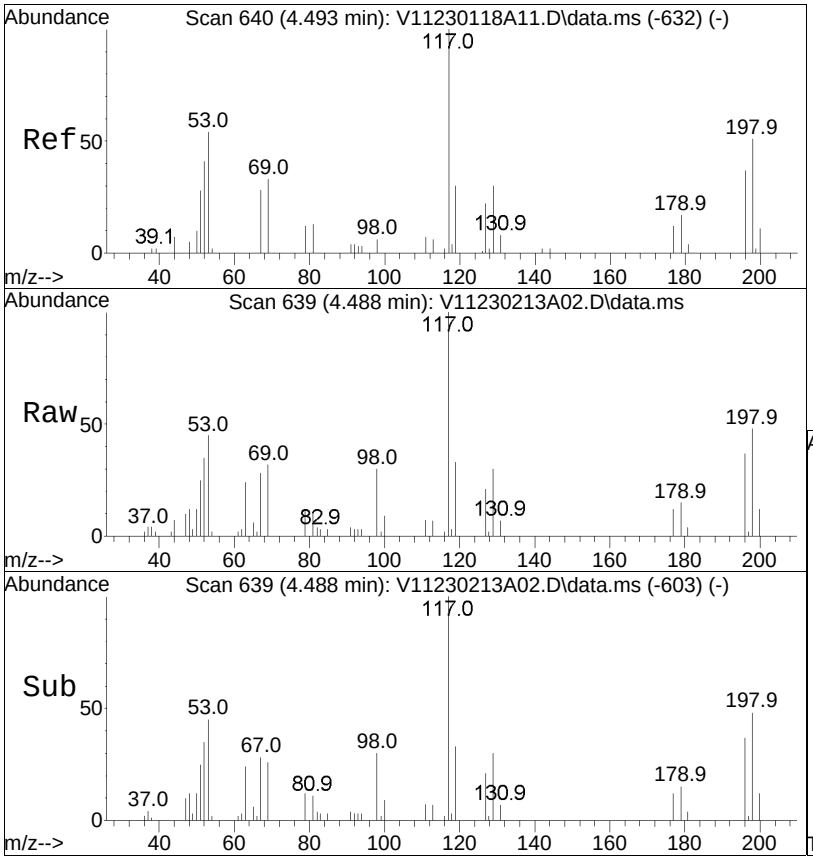


#23
1,1-Dichloroethane
Concen: 37.20 ug/L
RT: 4.451 min Scan# 632
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 63 Resp: 67768

Ion	Ratio	Lower	Upper
63	100		
65	30.5	9.0	49.0
83	13.4	0.0	31.4

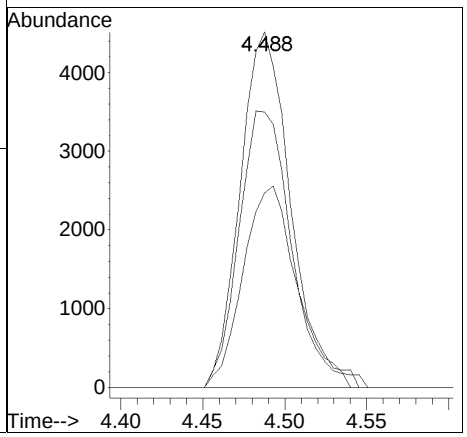


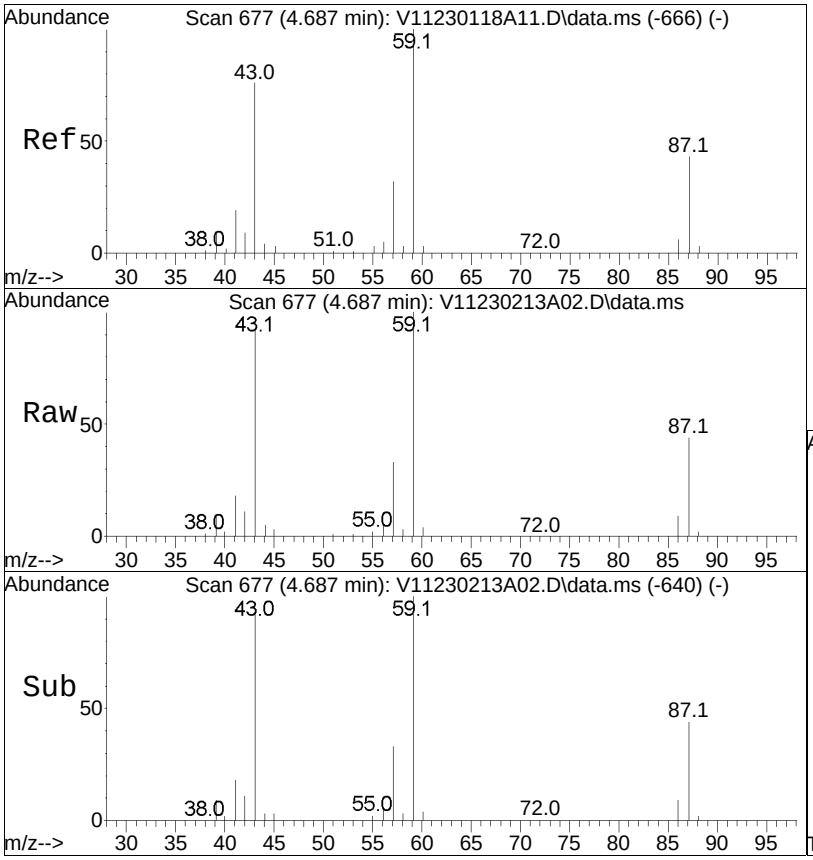


#25
Acrylonitrile
Concen: 40.25 ug/L
RT: 4.488 min Scan# 639
Delta R.T. -0.010 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 53 Resp: 9719

Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.9	100.3
51	60.4	42.6	63.8

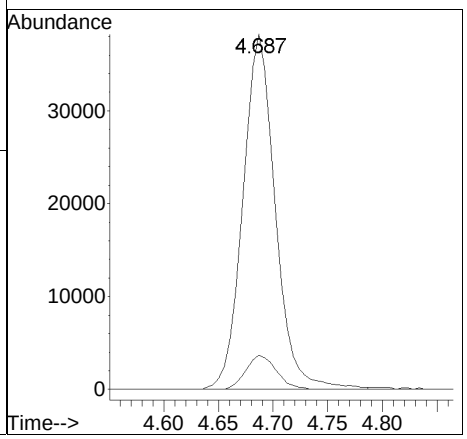


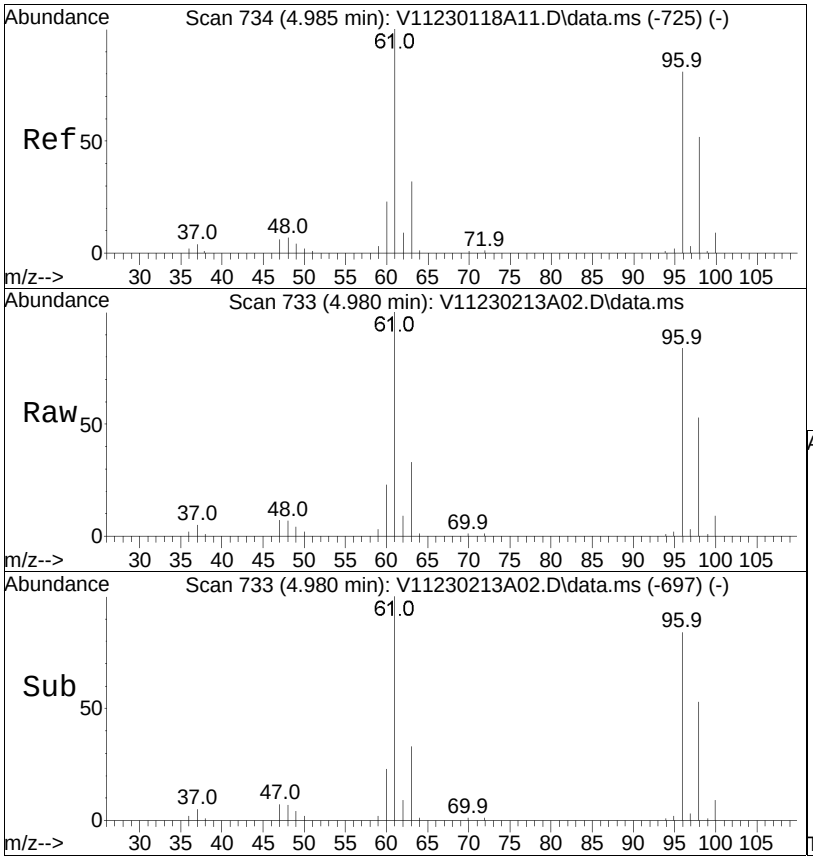


#27
Vinyl acetate
Concen: 39.65 ug/L
RT: 4.687 min Scan# 677
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 43 Resp: 79092

Ion	Ratio	Lower	Upper
43	100		
86	9.1	4.6	6.8#

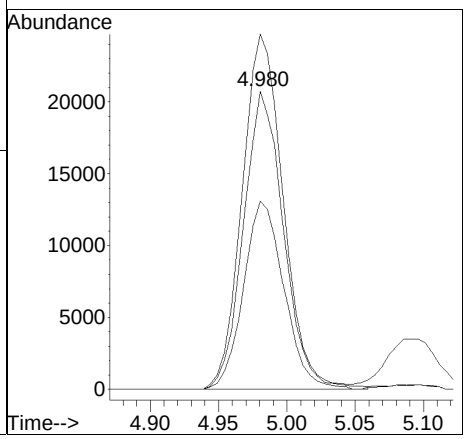


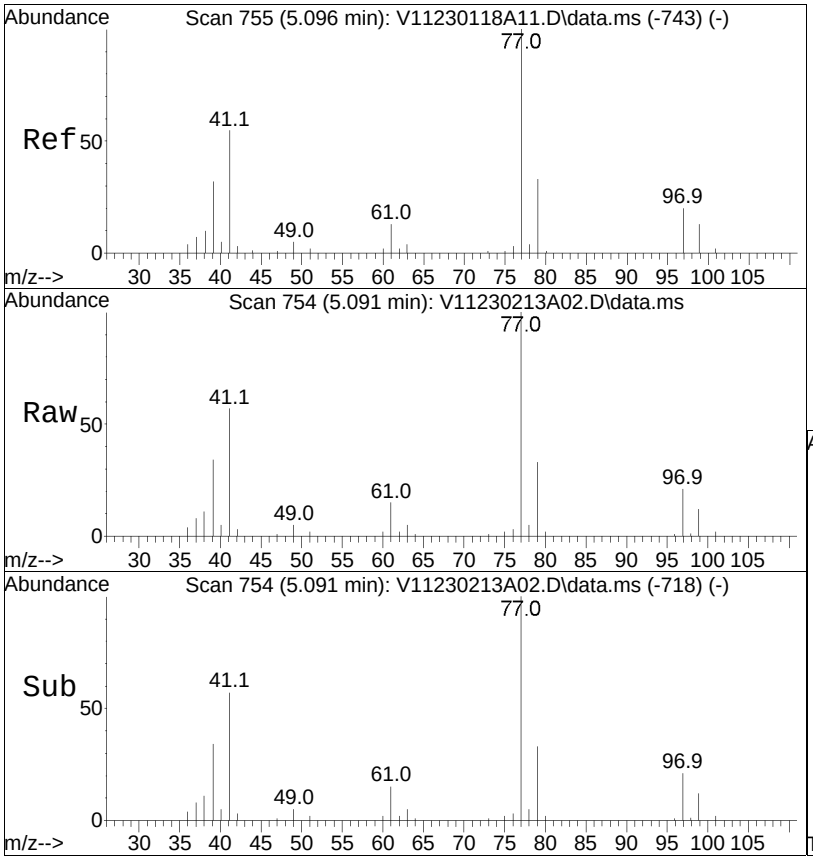


#28
cis-1,2-Dichloroethene
Concen: 37.20 ug/L
RT: 4.980 min Scan# 733
Delta R.T. -0.011 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 96 Resp: 42455

Ion	Ratio	Lower	Upper
96	100		
61	121.5	126.3	189.5#
98	63.7	51.0	76.6

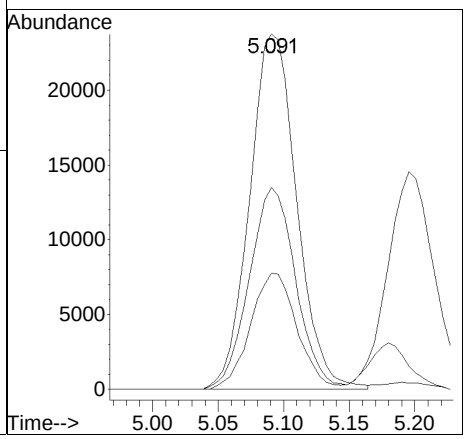


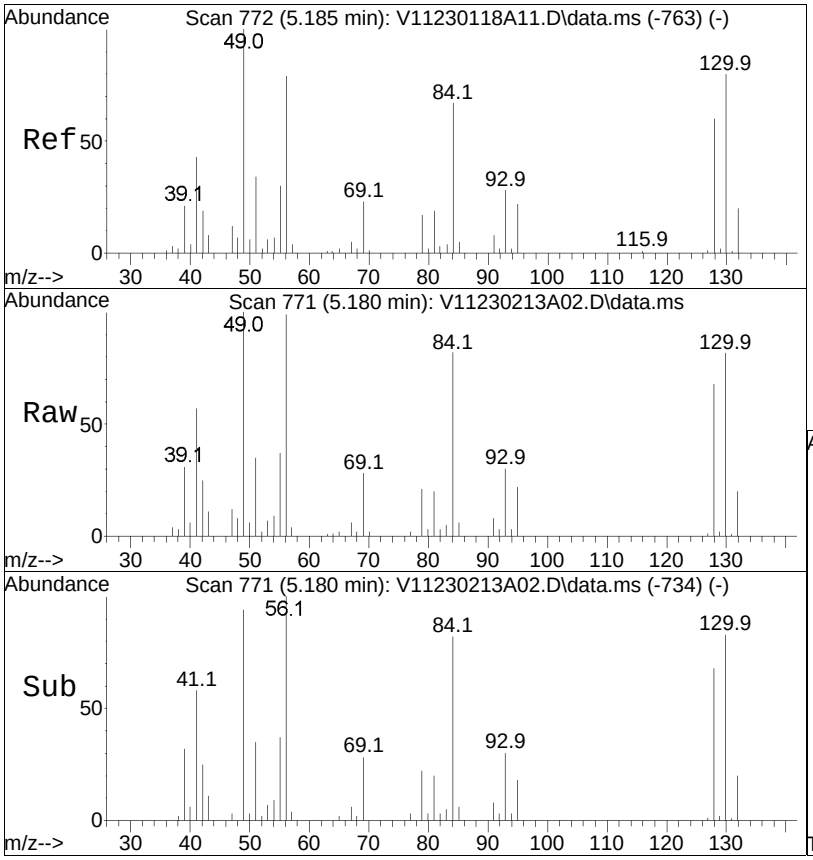


#29
2,2-Dichloropropane
Concen: 39.82 ug/L
RT: 5.091 min Scan# 754
Delta R.T. -0.010 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 77 Resp: 59366

Ion	Ratio	Lower	Upper
77	100		
41	56.2	45.5	94.5
79	32.3	20.9	43.3

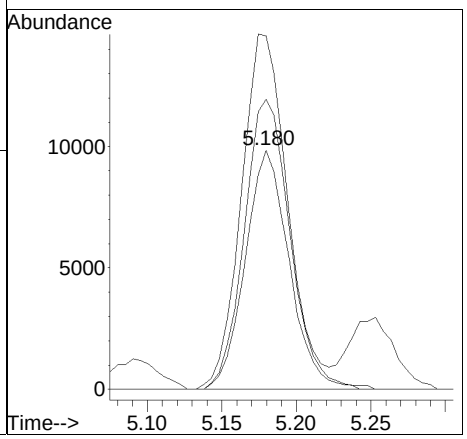


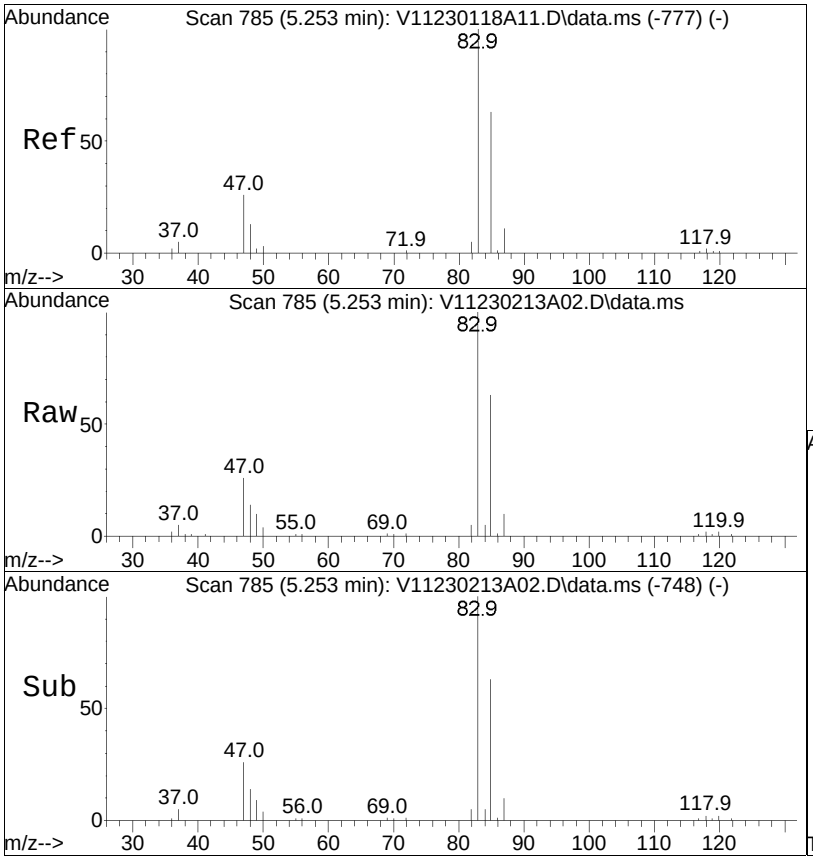


#30
Bromochloromethane
Concen: 38.15 ug/L
RT: 5.180 min Scan# 771
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:128 Resp: 20227

Ion	Ratio	Lower	Upper
128	100		
49	156.4	201.3	301.9#
130	127.1	106.2	159.2

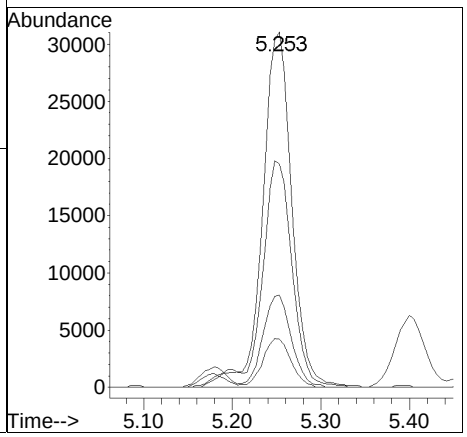


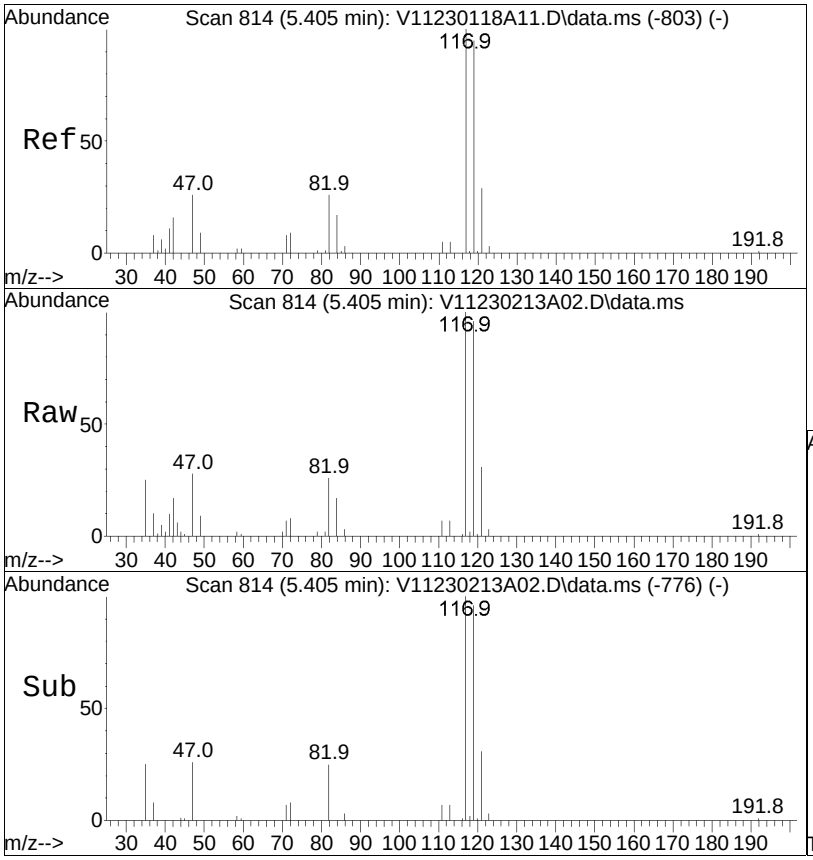


#32
Chloroform
Concen: 37.35 ug/L
RT: 5.253 min Scan# 785
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 83 Resp: 71715

Ion	Ratio	Lower	Upper
83	100		
85	61.9	41.9	87.1
47	25.2	20.9	43.3
48	13.2	9.9	20.5

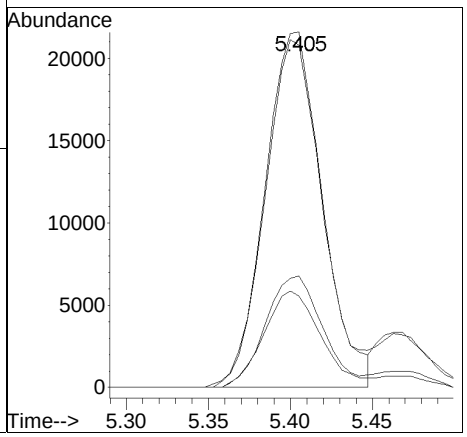


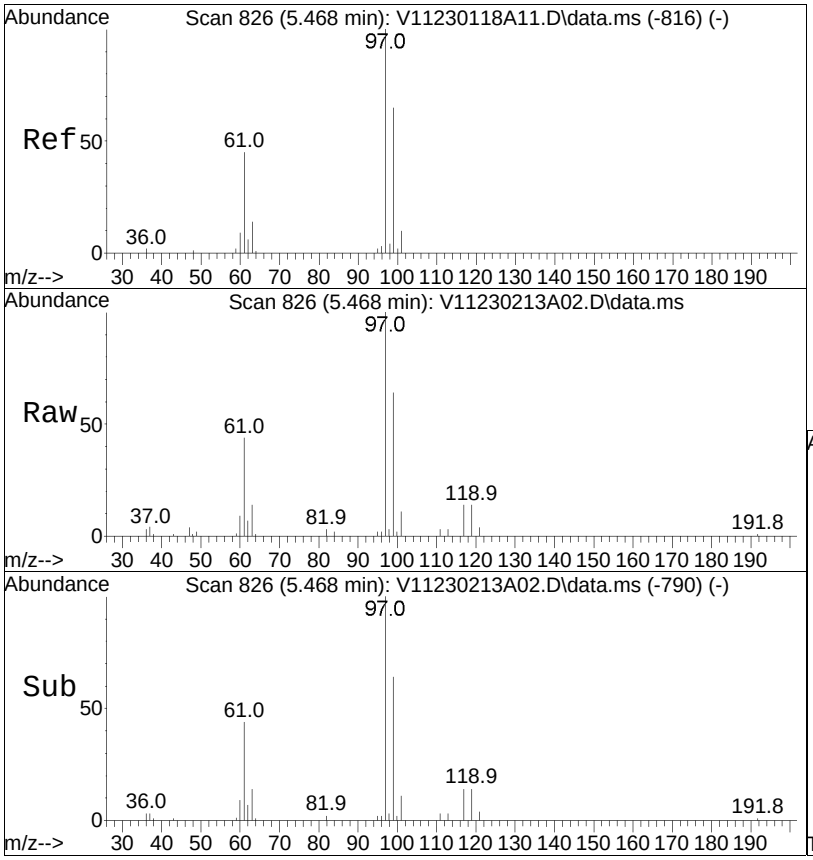


#34
Carbon tetrachloride
Concen: 40.13 ug/L
RT: 5.405 min Scan# 814
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:117 Resp: 52682

Ion	Ratio	Lower	Upper
117	100		
119	97.3	64.0	132.8
121	31.1	20.7	42.9
82	27.4	16.3	33.8

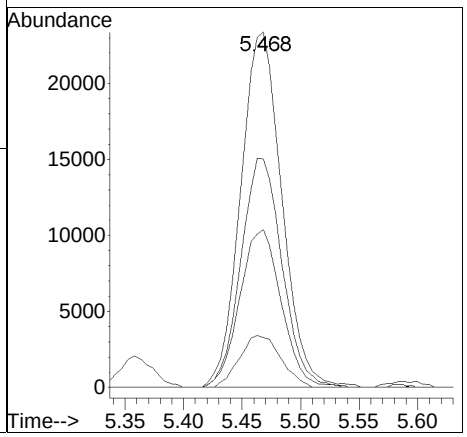


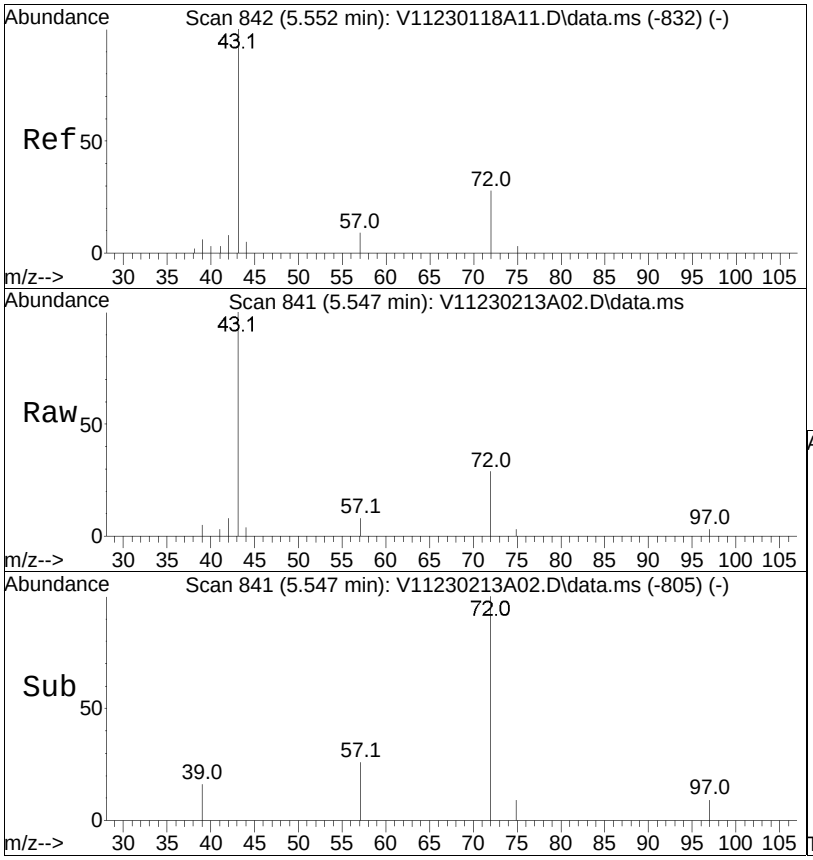


#37
1,1,1-Trichloroethane
Concen: 40.06 ug/L
RT: 5.468 min Scan# 826
Delta R.T. -0.010 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 97 Resp: 57259

Ion	Ratio	Lower	Upper
97	100		
99	64.5	41.5	86.1
61	45.0	32.2	67.0
63	14.7	10.1	20.9

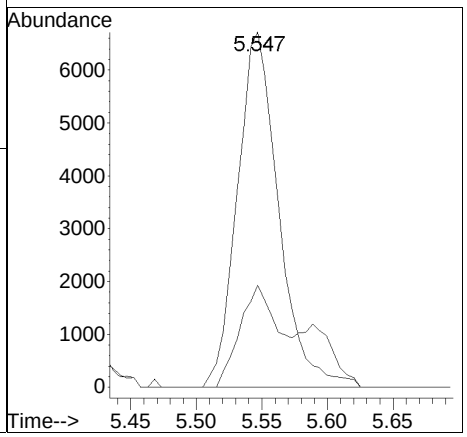


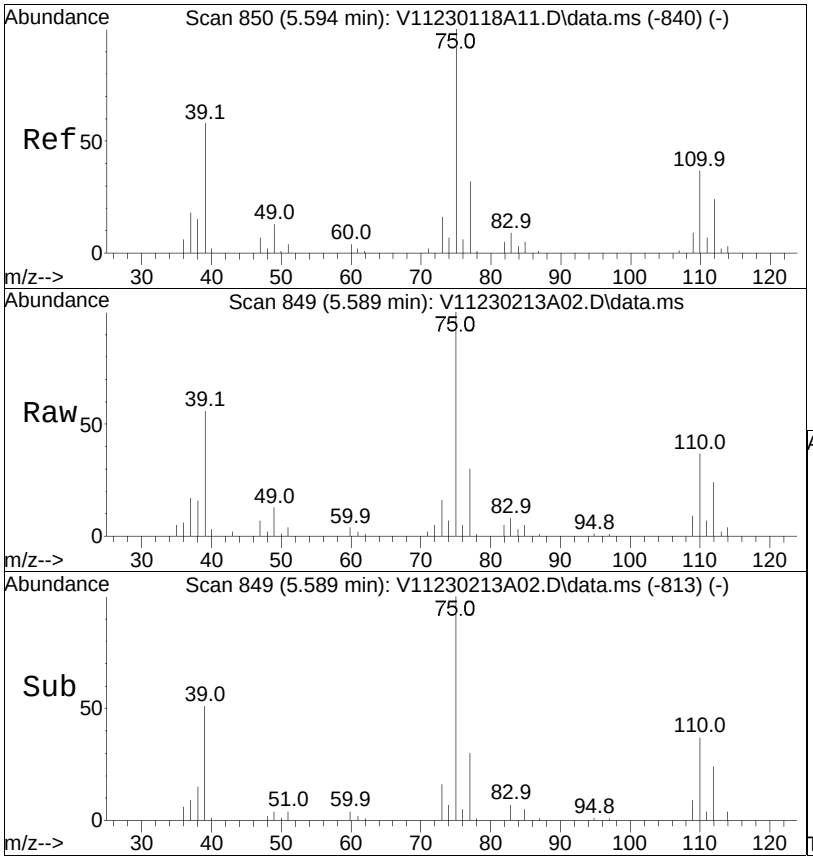


#39
2-Butanone
Concen: 39.55 ug/L
RT: 5.547 min Scan# 841
Delta R.T. -0.010 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 43 Resp: 14735

Ion	Ratio	Lower	Upper
43	100		
72	27.2	21.0	31.6

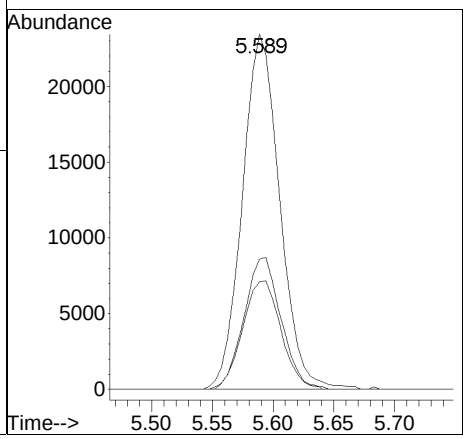


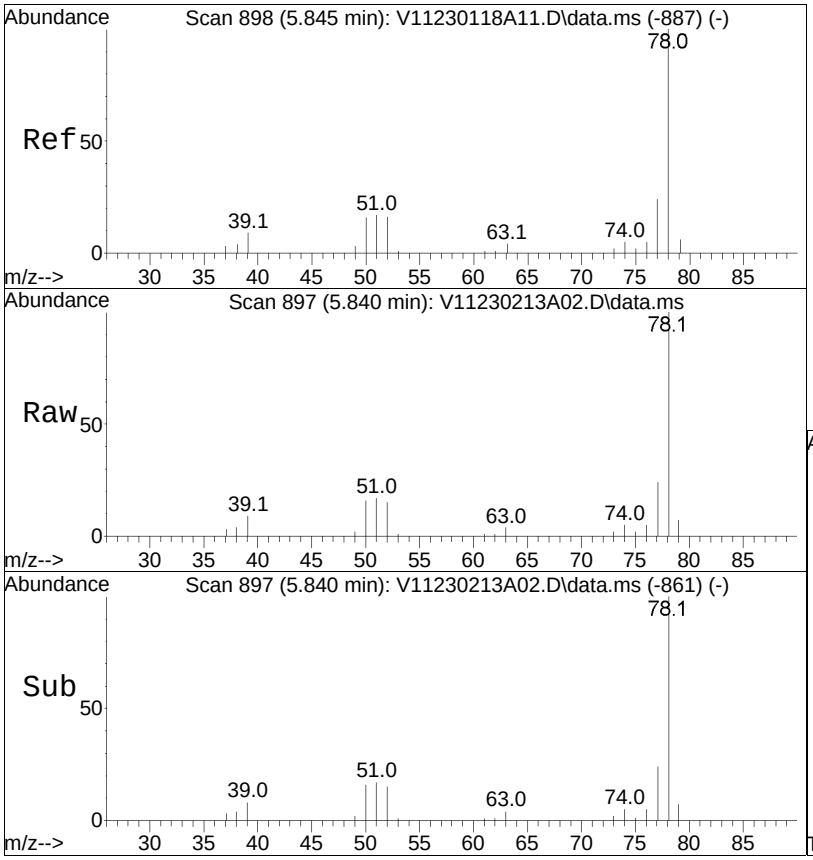


#40
1,1-Dichloropropene
Concen: 40.55 ug/L
RT: 5.589 min Scan# 849
Delta R.T. -0.010 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 75 Resp: 50309

Ion	Ratio	Lower	Upper
75	100		
110	36.5	23.6	49.0
77	31.4	20.2	41.9

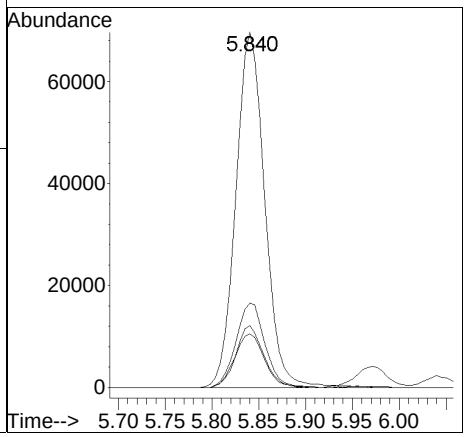


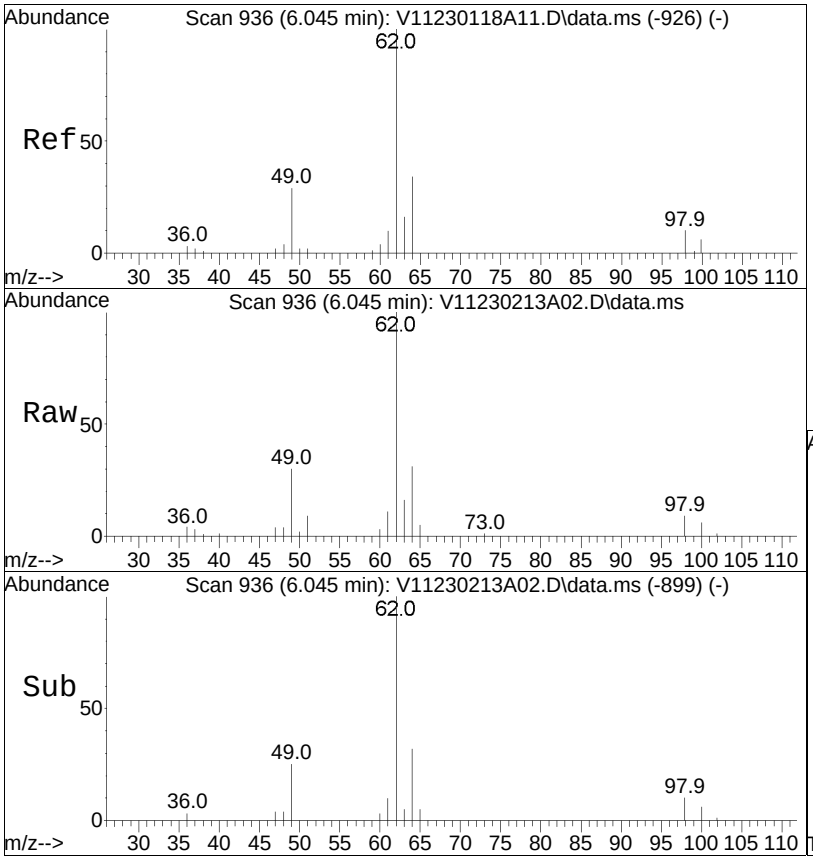


#41
Benzene
Concen: 37.45 ug/L
RT: 5.840 min Scan# 897
Delta R.T. -0.010 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 78 Resp: 149653

Ion	Ratio	Lower	Upper
78	100		
77	23.7	15.1	31.3
51	16.8	15.8	32.8
52	15.2	15.6	32.4#

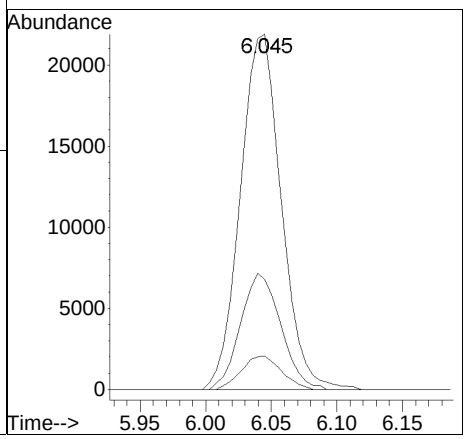


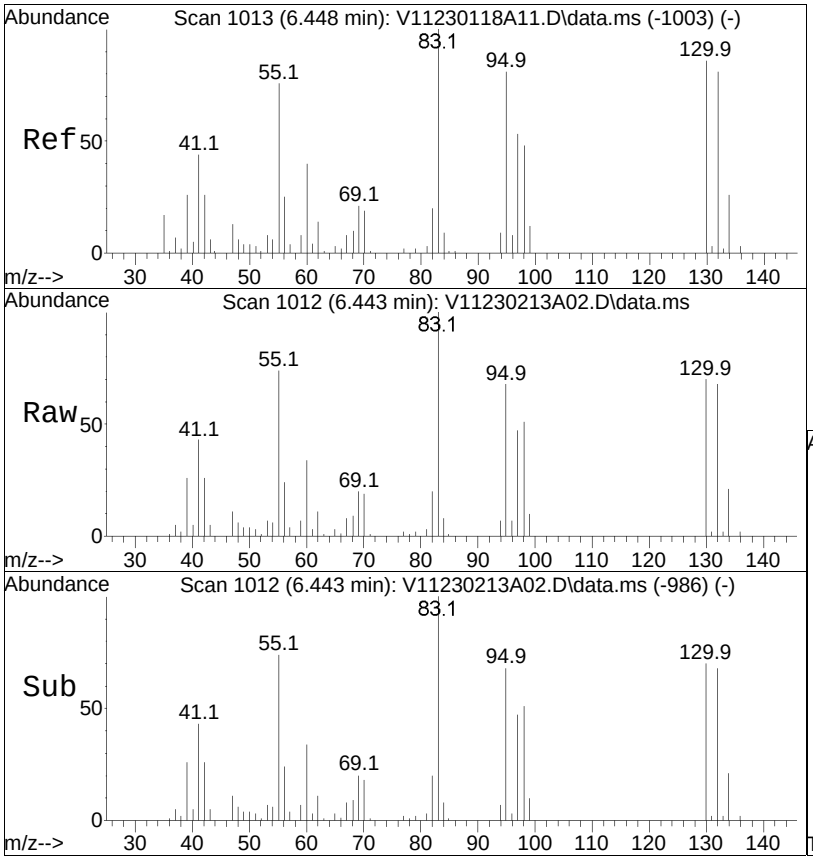


#44
1,2-Dichloroethane
Concen: 35.13 ug/L
RT: 6.045 min Scan# 936
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 62 Resp: 47572

Ion	Ratio	Lower	Upper
62	100		
64	32.1	11.1	51.1
98	9.2	0.0	28.0

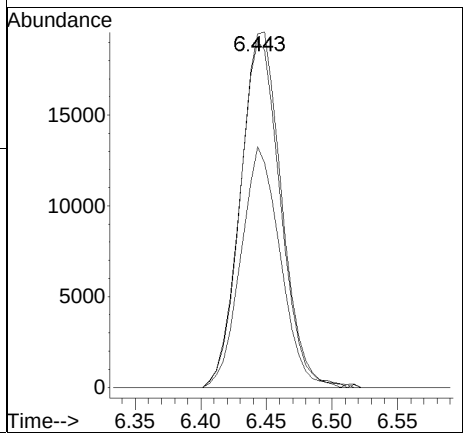


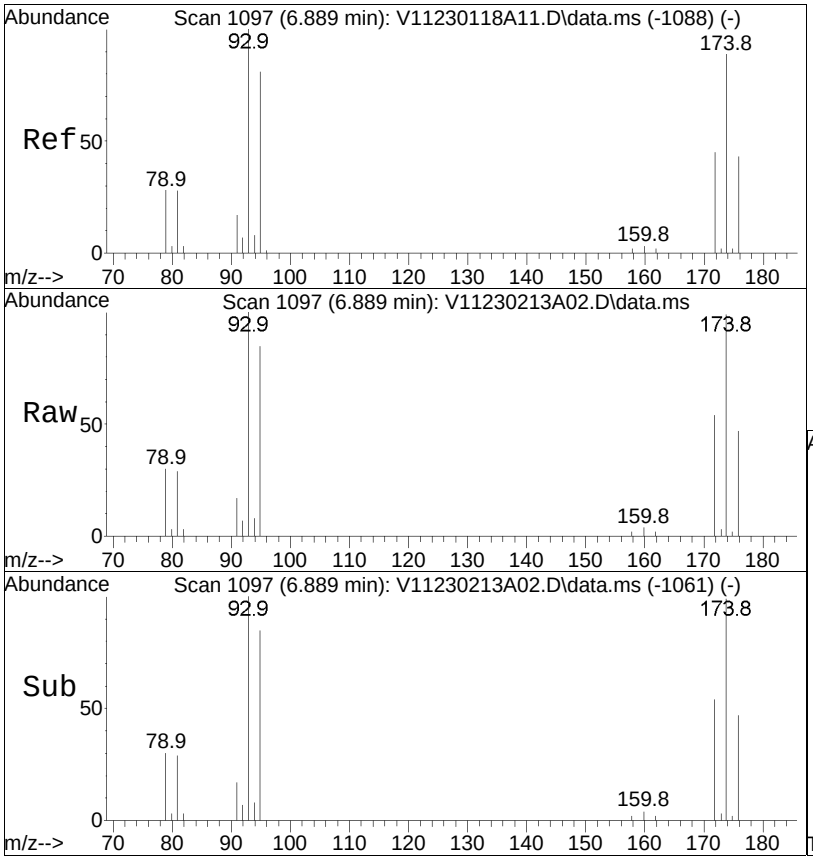


#48
Trichloroethene
Concen: 40.06 ug/L
RT: 6.443 min Scan# 1012
Delta R.T. -0.016 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 95 Resp: 41049

Ion	Ratio	Lower	Upper
95	100		
97	67.5	54.3	81.5
130	103.7	84.6	126.8

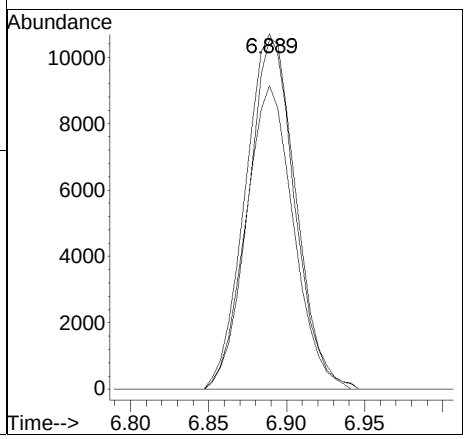


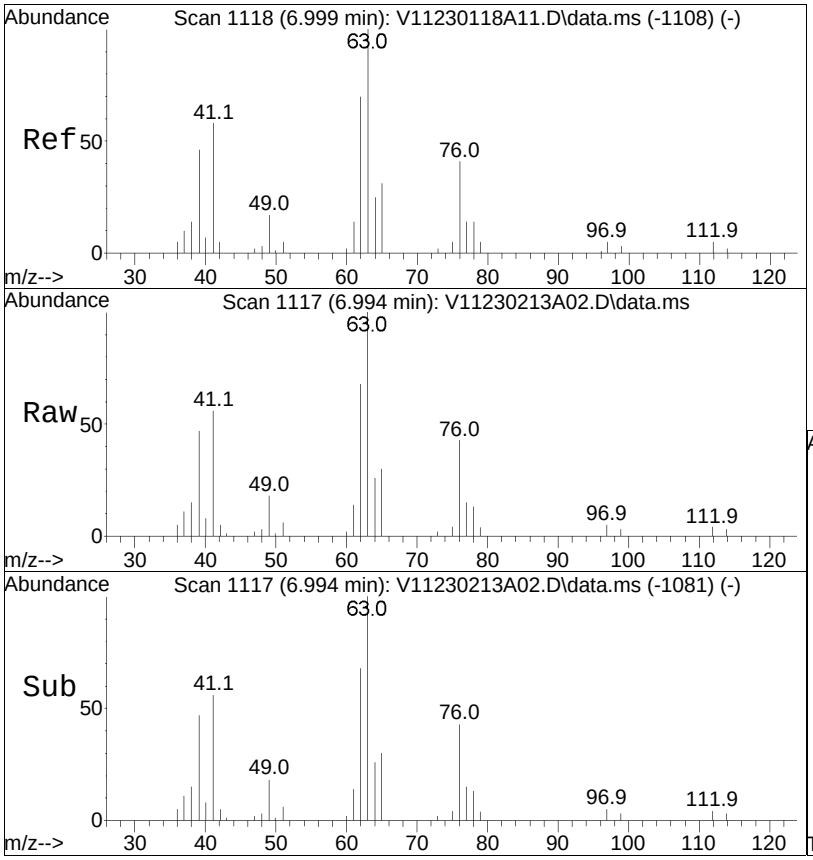


#50
Dibromomethane
Concen: 36.77 ug/L
RT: 6.889 min Scan# 1097
Delta R.T. -0.010 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 93 Resp: 23442

Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.7	98.5
174	95.8	80.2	120.4

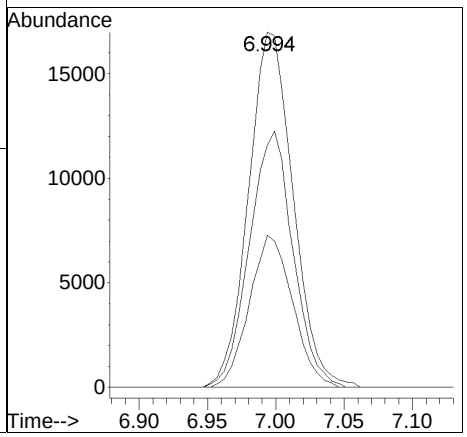


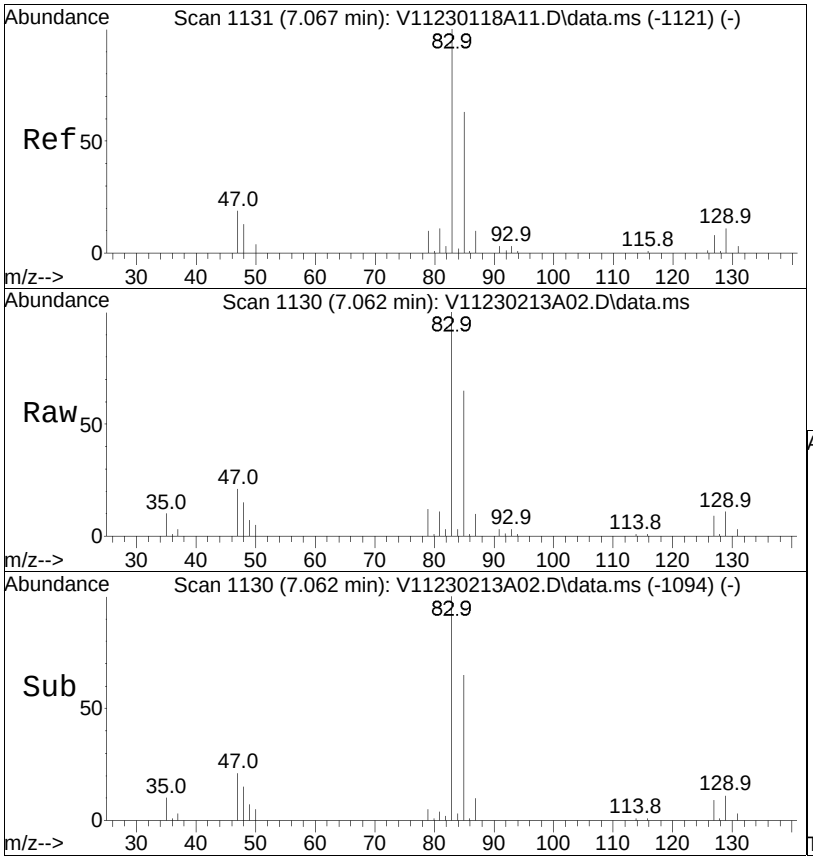


#51
1,2-Dichloropropane
Concen: 36.92 ug/L
RT: 6.994 min Scan# 1117
Delta R.T. -0.010 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 63 Resp: 38668

Ion	Ratio	Lower	Upper
63	100		
62	70.5	57.9	86.9
76	41.5	30.1	45.1

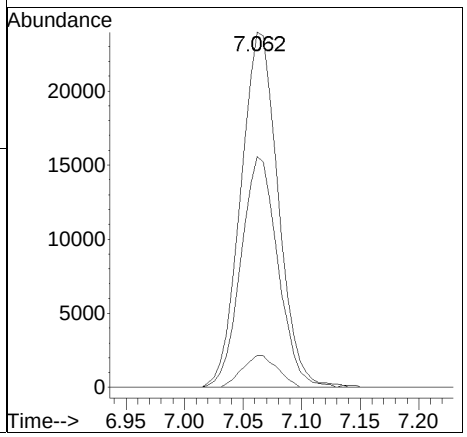


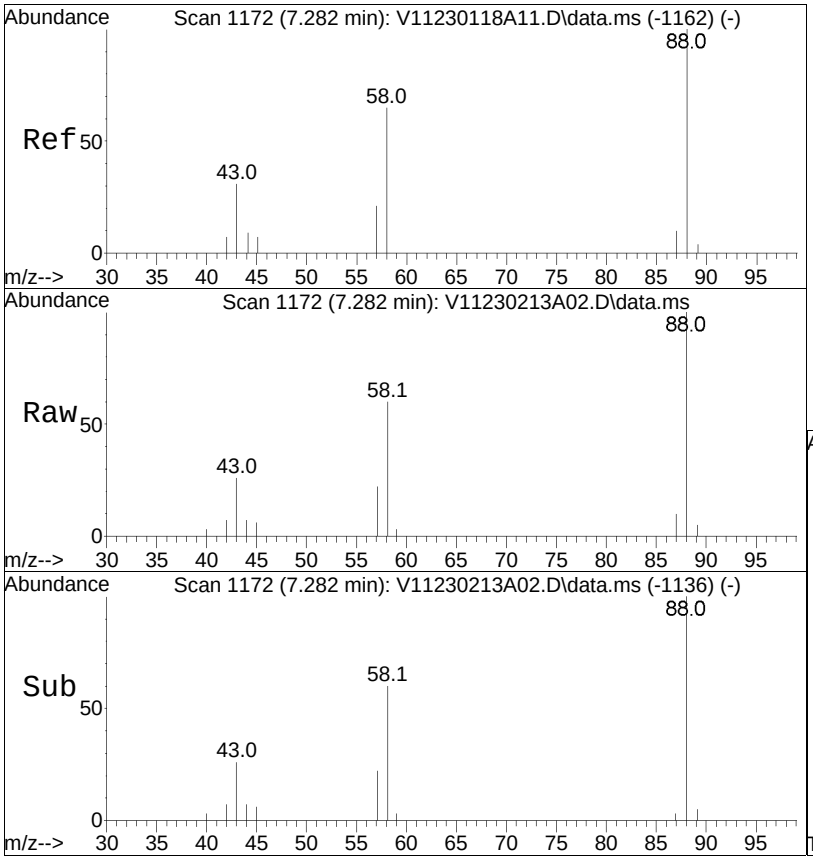


#54
Bromodichloromethane
Concen: 36.56 ug/L
RT: 7.062 min Scan# 1130
Delta R.T. -0.010 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 83 Resp: 53562

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.6	77.4
127	8.5	7.1	10.7

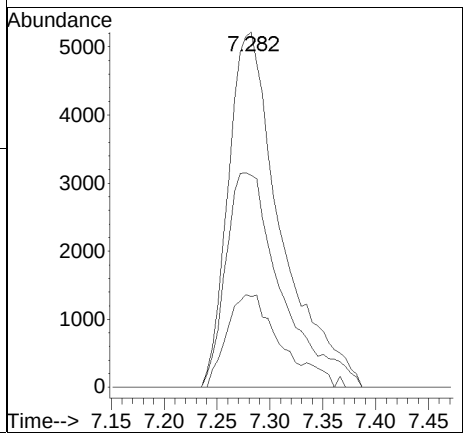


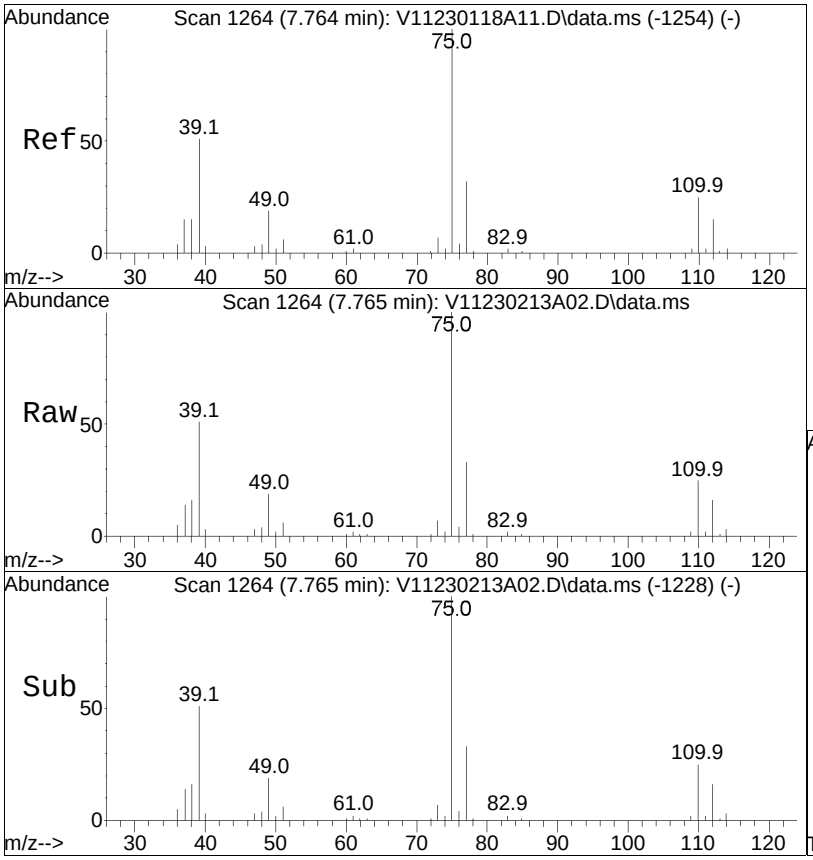


#57
1,4-Dioxane
Concen: 2162.17 ug/L
RT: 7.282 min Scan# 1172
Delta R.T. -0.010 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 88 Resp: 18088

Ion	Ratio	Lower	Upper
88	100		
58	63.8	75.4	113.0#
43	27.1	33.5	50.3#

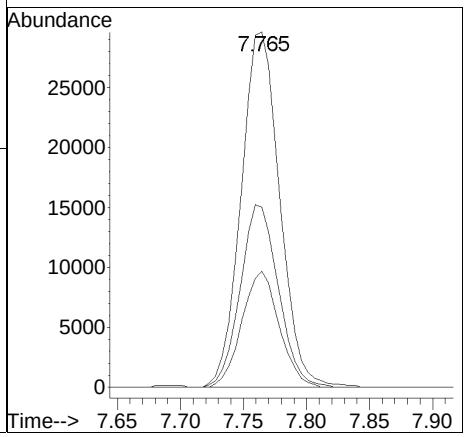


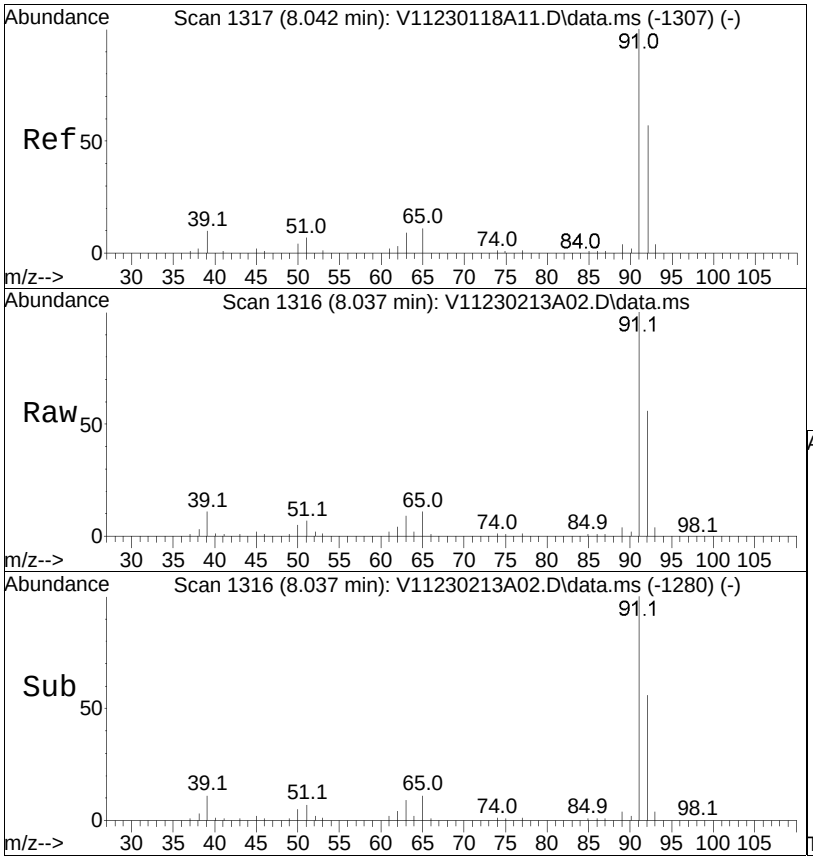


#58
cis-1,3-Dichloropropene
Concen: 37.94 ug/L
RT: 7.765 min Scan# 1264
Delta R.T. -0.010 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 75 Resp: 63231

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.9	37.3
39	50.7	51.8	77.8#

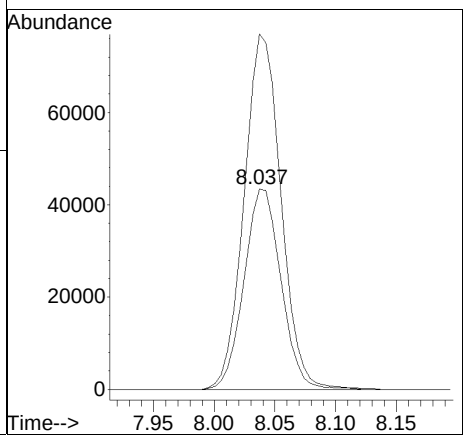


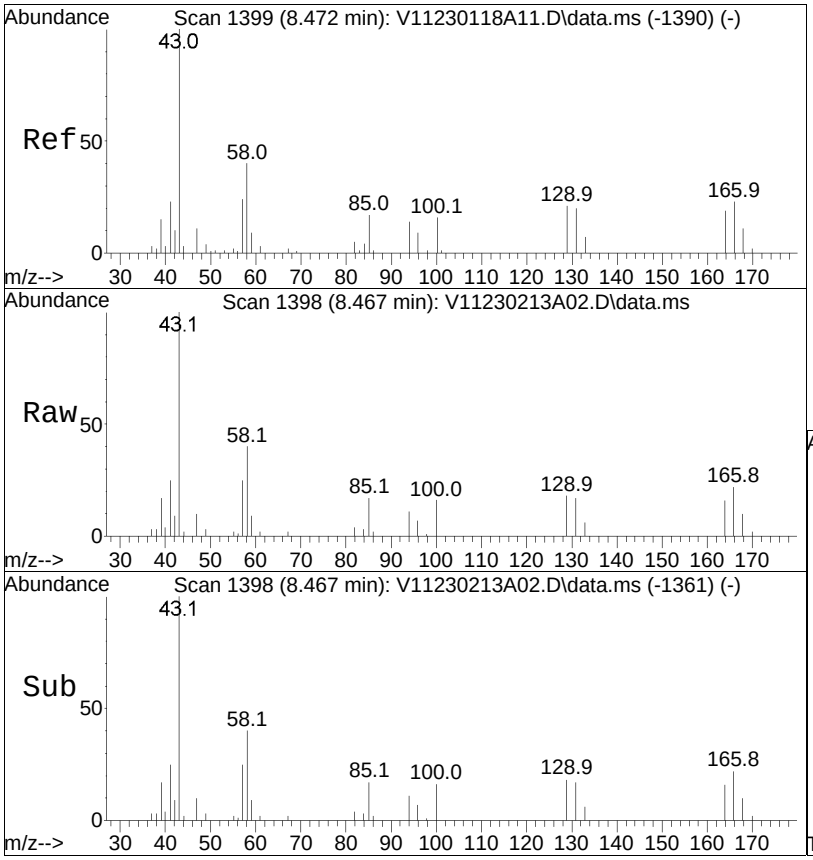


#61
Toluene
Concen: 37.33 ug/L
RT: 8.037 min Scan# 1316
Delta R.T. -0.010 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 92 Resp: 91940

Ion	Ratio	Lower	Upper
92	100		
91	176.7	133.7	200.5

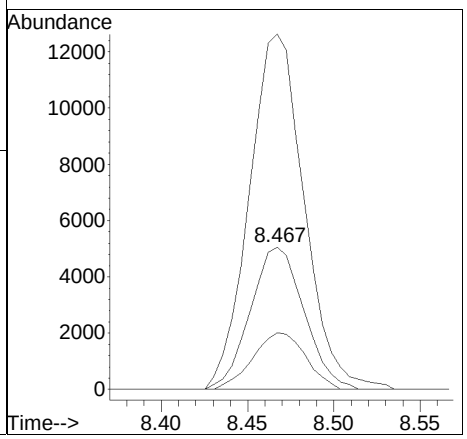


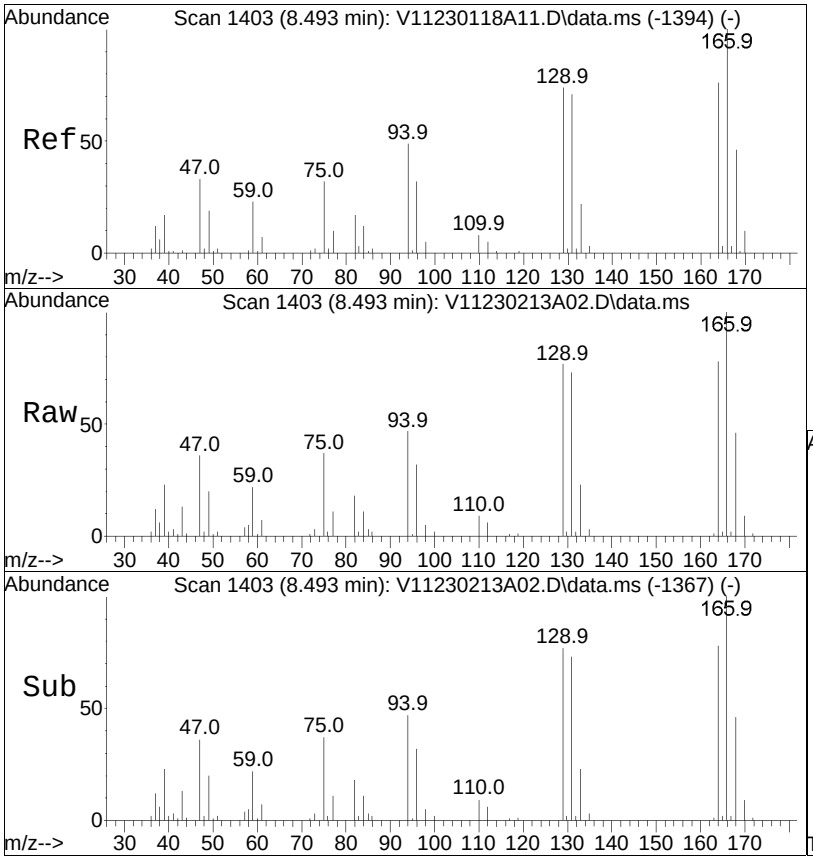


#62
4-Methyl-2-pentanone
Concen: 34.54 ug/L
RT: 8.467 min Scan# 1398
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 58 Resp: 10938

Ion	Ratio	Lower	Upper
58	100		
100	39.2	22.0	33.0#
43	255.5	236.9	355.3

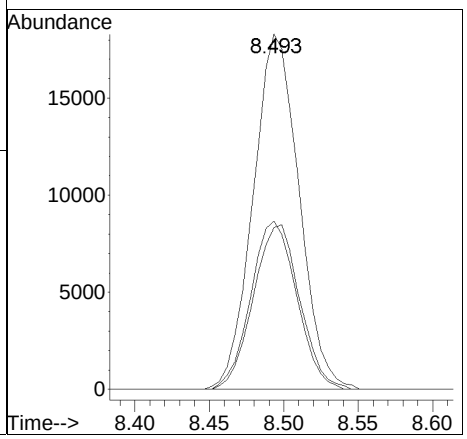


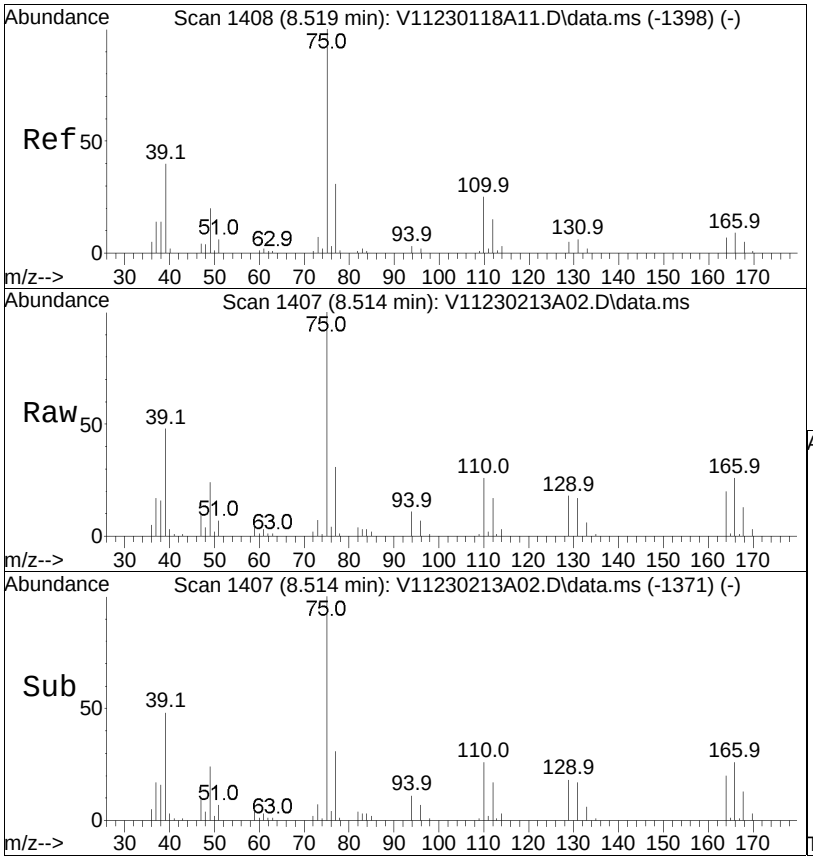


#63
Tetrachloroethene
Concen: 41.40 ug/L
RT: 8.493 min Scan# 1403
Delta R.T. -0.011 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:166 Resp: 39197

Ion	Ratio	Lower	Upper
166	100		
168	47.0	28.2	68.2
94	47.4	26.3	66.3

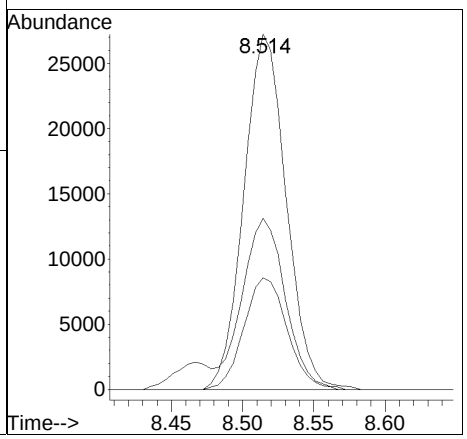


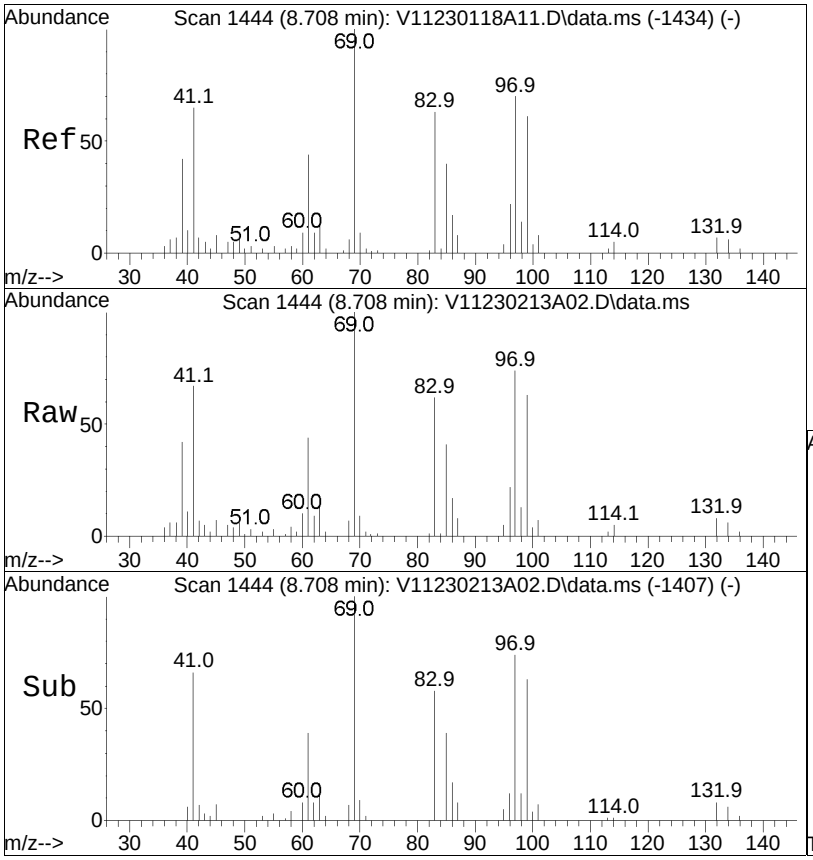


#65
trans-1,3-Dichloropropene
Concen: 36.68 ug/L
RT: 8.514 min Scan# 1407
Delta R.T. -0.010 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 75 Resp: 56198

Ion	Ratio	Lower	Upper
75	100		
77	32.0	11.4	51.4
39	49.6	50.3	90.3#

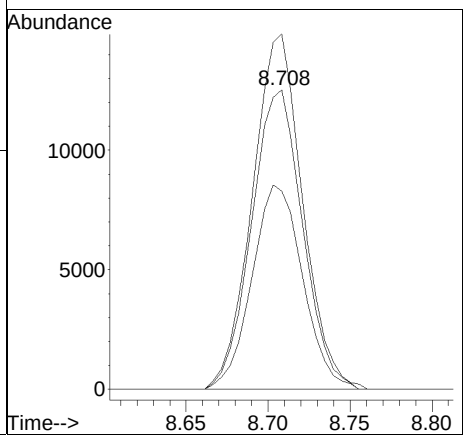


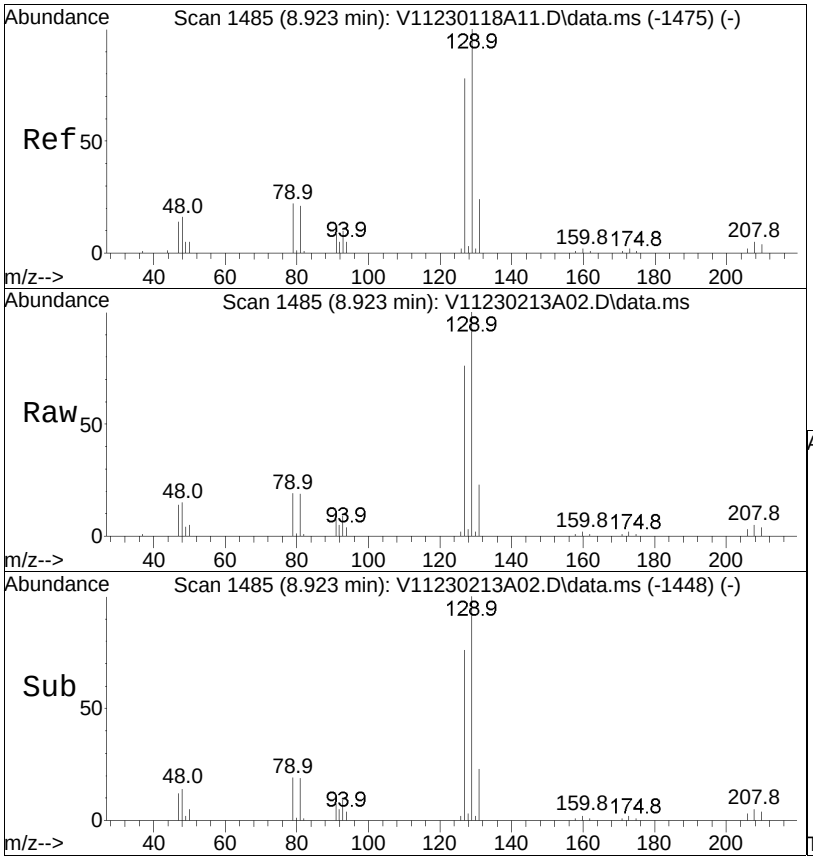


#68
1,1,2-Trichloroethane
Concen: 37.16 ug/L
RT: 8.708 min Scan# 1444
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 83 Resp: 27194

Ion	Ratio	Lower	Upper
83	100		
97	116.6	97.6	137.6
85	67.7	46.8	86.8

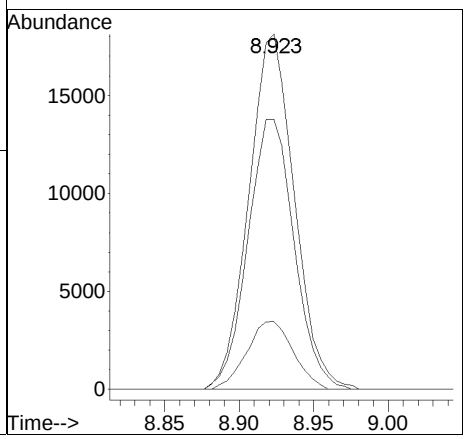


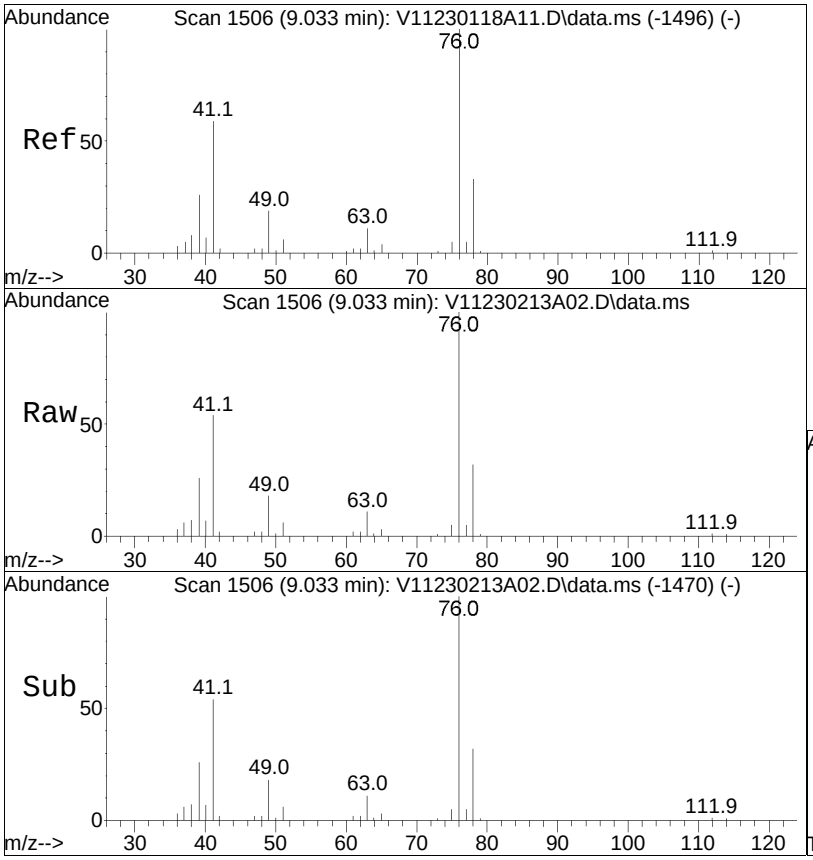


#69
Chlorodibromomethane
Concen: 37.32 ug/L
RT: 8.923 min Scan# 1485
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:129 Resp: 38524

Ion	Ratio	Lower	Upper
129	100		
81	19.6	0.0	36.0
127	77.4	56.0	96.0

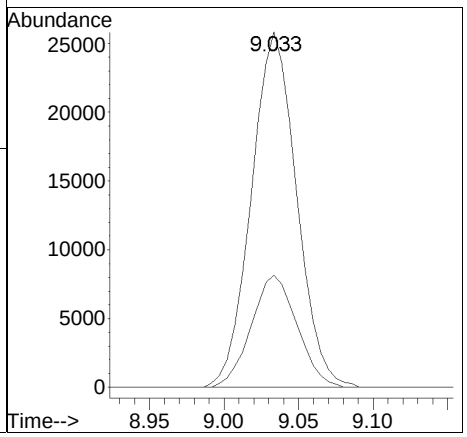


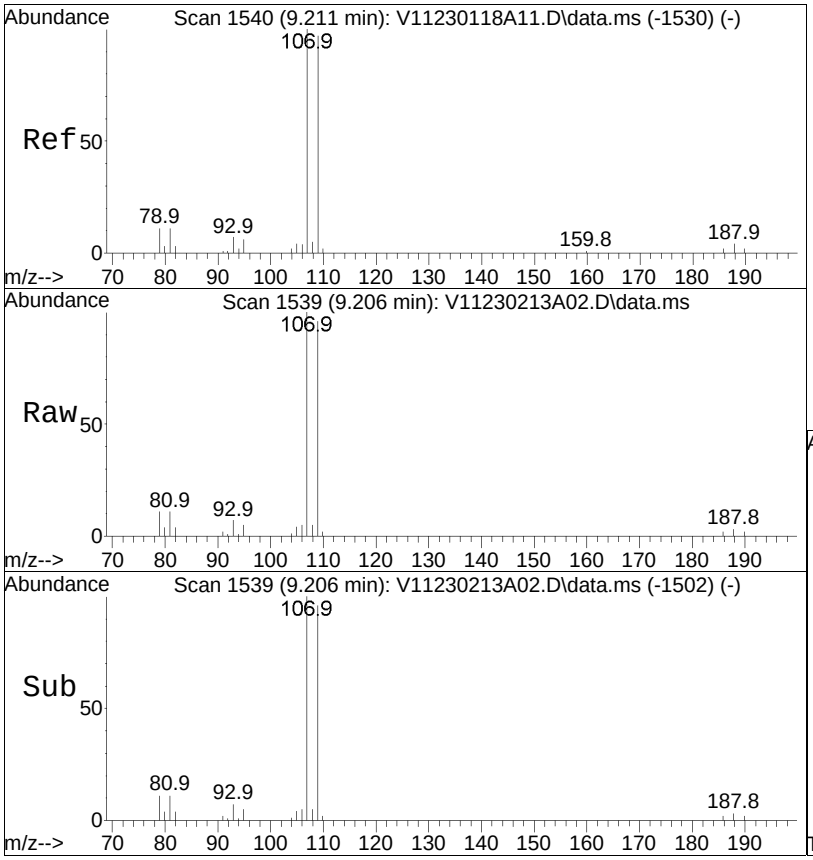


#70
1,3-Dichloropropane
Concen: 36.88 ug/L
RT: 9.033 min Scan# 1506
Delta R.T. -0.011 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 76 Resp: 54551

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.9	38.9

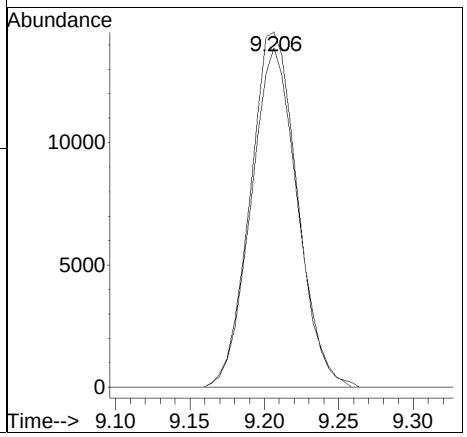


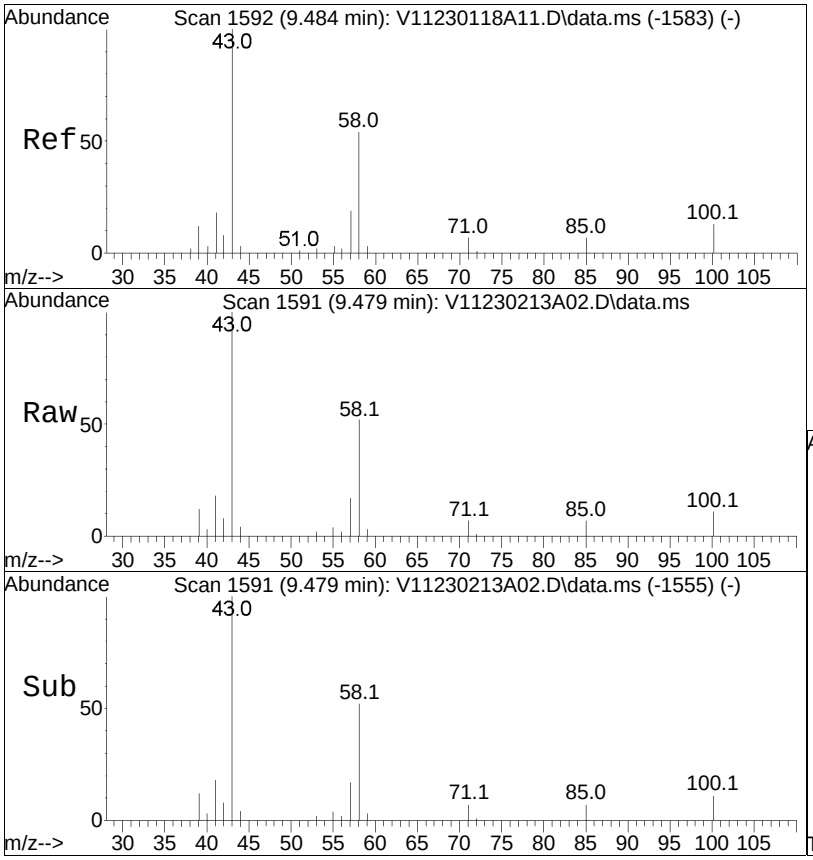


#71
1,2-Dibromoethane
Concen: 38.83 ug/L
RT: 9.206 min Scan# 1539
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:107 Resp: 31979

Ion	Ratio	Lower	Upper
107	100		
109	93.6	76.2	114.4

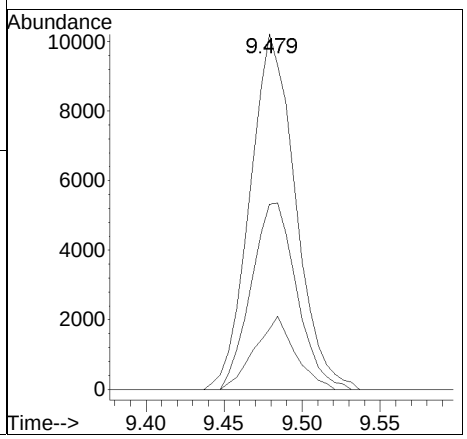


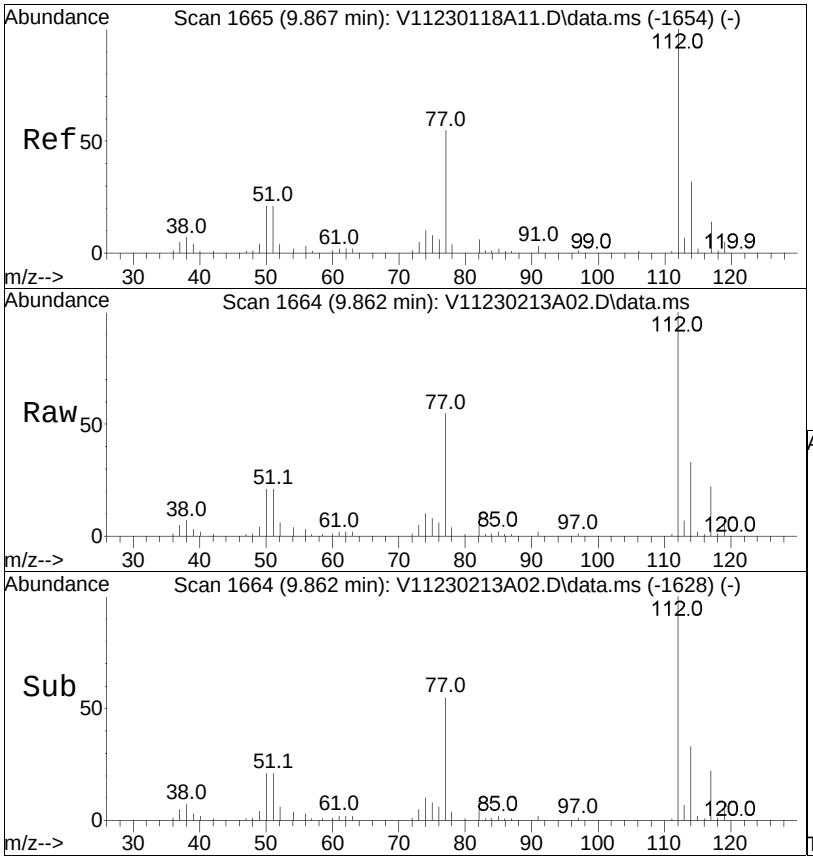


#72
2-Hexanone
Concen: 39.11 ug/L
RT: 9.479 min Scan# 1591
Delta R.T. -0.010 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 43 Resp: 20768

Ion	Ratio	Lower	Upper
43	100		
58	52.3	37.9	56.9
57	18.1	12.6	19.0

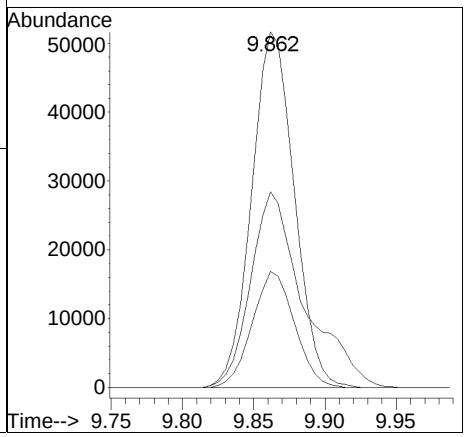


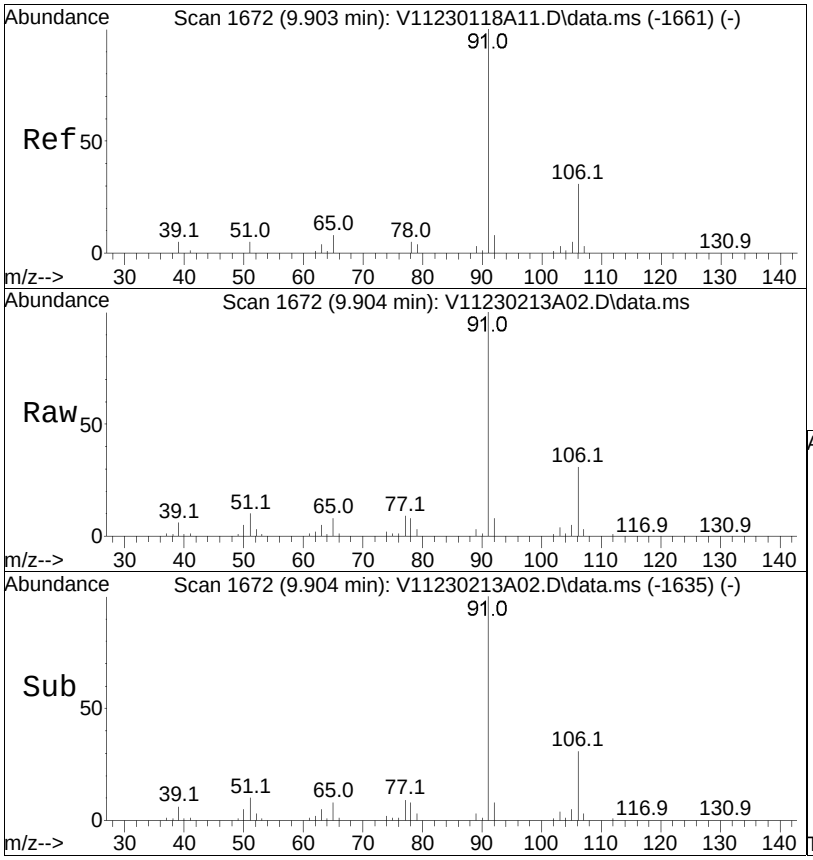


#73
Chlorobenzene
Concen: 37.35 ug/L
RT: 9.862 min Scan# 1664
Delta R.T. -0.010 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:112 Resp: 107459

Ion	Ratio	Lower	Upper
112	100		
77	68.9	47.0	70.4
114	32.3	25.9	38.9

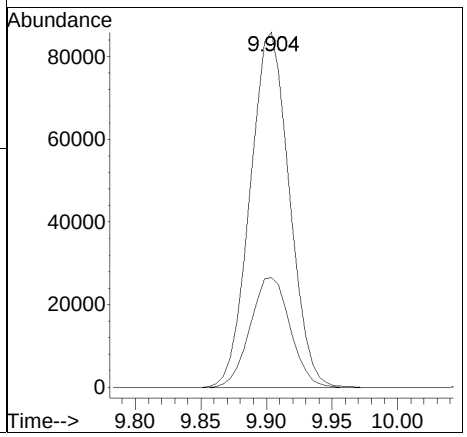


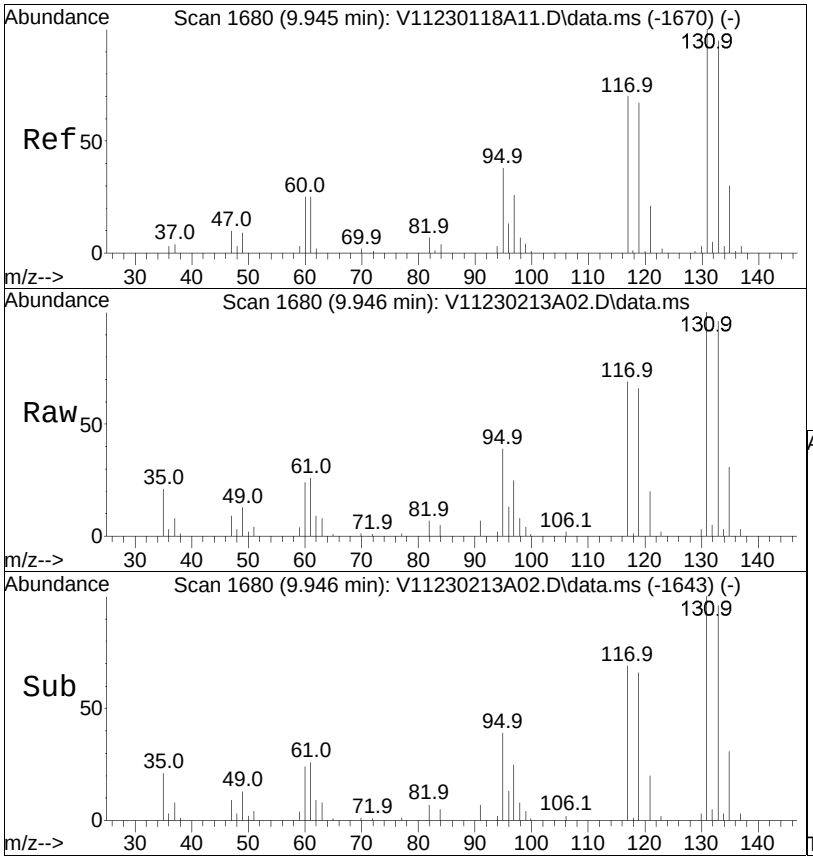


#74
Ethylbenzene
Concen: 38.48 ug/L
RT: 9.904 min Scan# 1672
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 91 Resp: 178567

Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.0	37.4

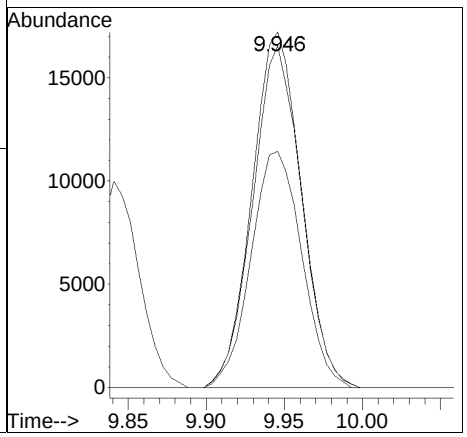


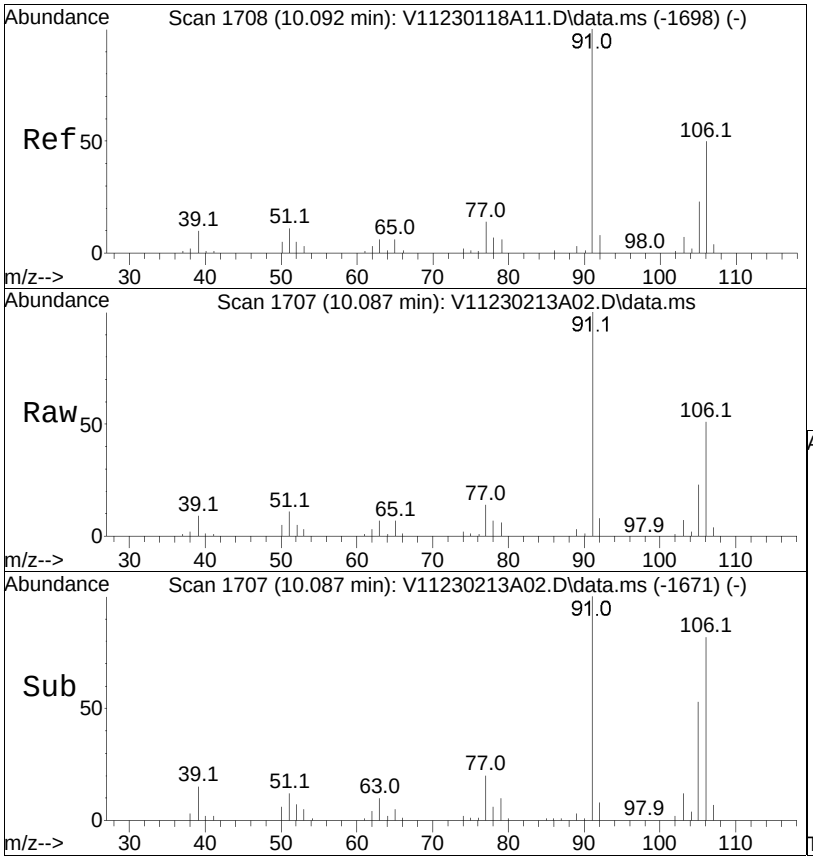


#75
1,1,1,2-Tetrachloroethane
Concen: 38.44 ug/L
RT: 9.946 min Scan# 1680
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:131 Resp: 37906

Ion	Ratio	Lower	Upper
131	100		
133	95.2	75.2	115.2
119	68.2	44.7	84.7

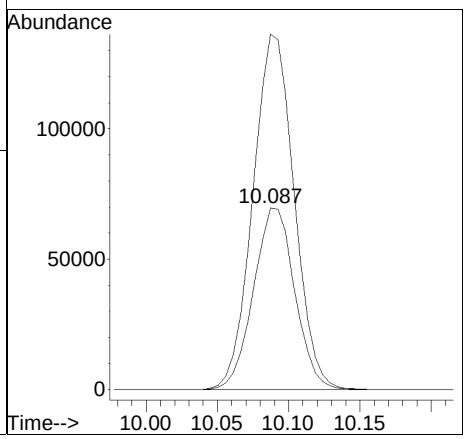


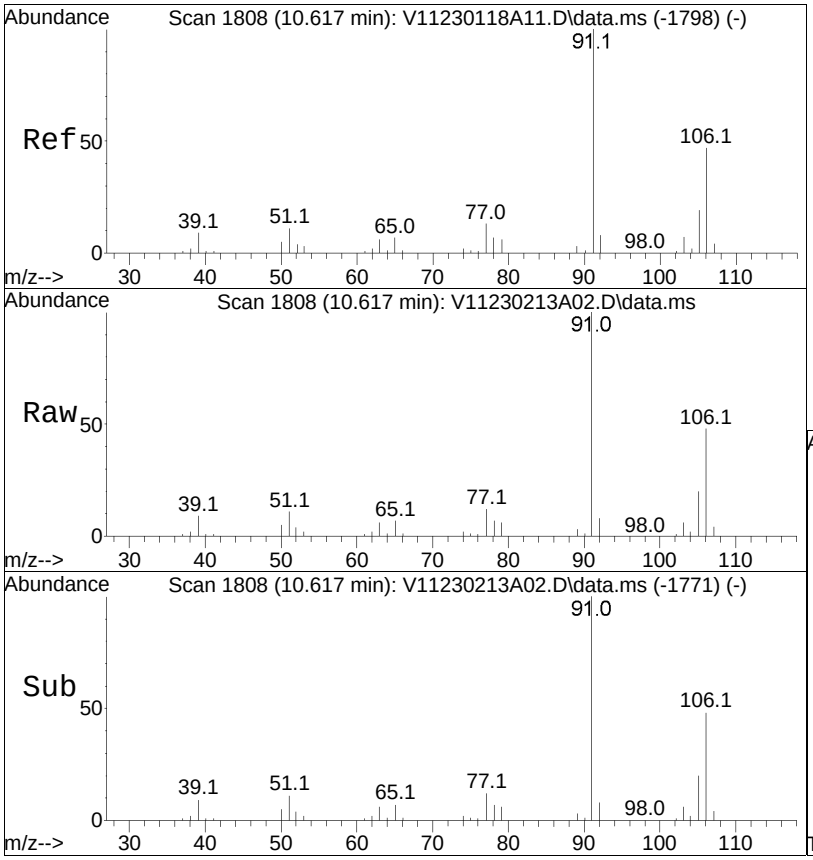


#76
p/m Xylene
Concen: 79.13 ug/L
RT: 10.087 min Scan# 1707
Delta R.T. -0.010 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:106 Resp: 139885

Ion	Ratio	Lower	Upper
106	100		
91	195.6	159.3	238.9

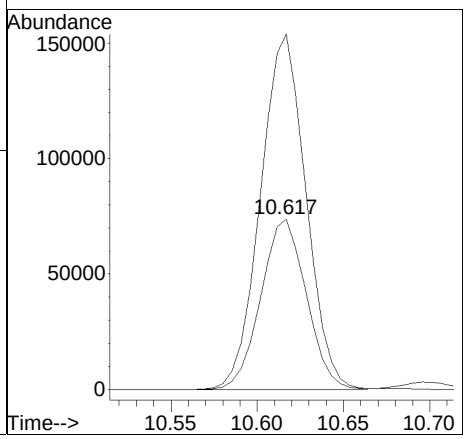


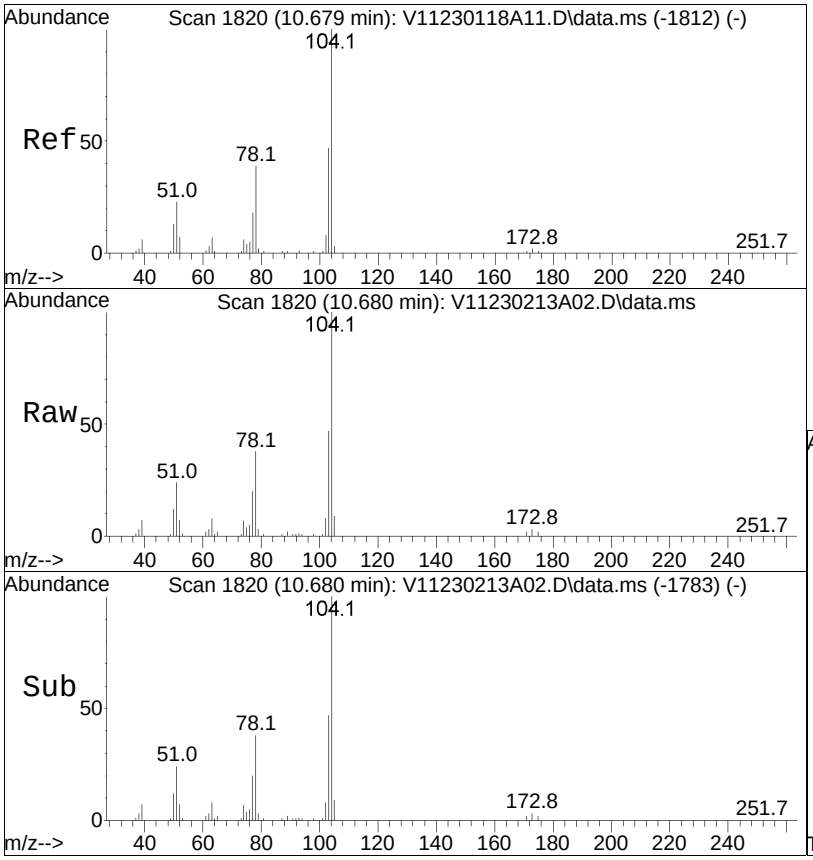


#77
o Xylene
Concen: 78.96 ug/L
RT: 10.617 min Scan# 1808
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:106 Resp: 134901

Ion	Ratio	Lower	Upper
106	100		
91	208.8	170.2	255.2

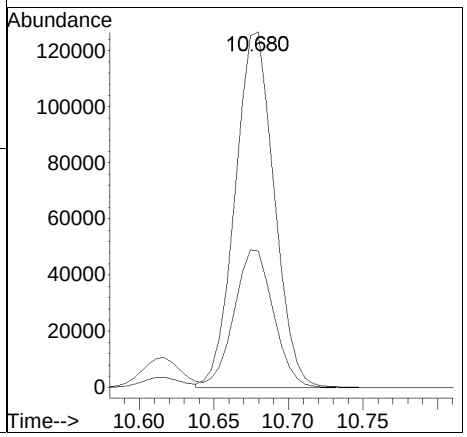


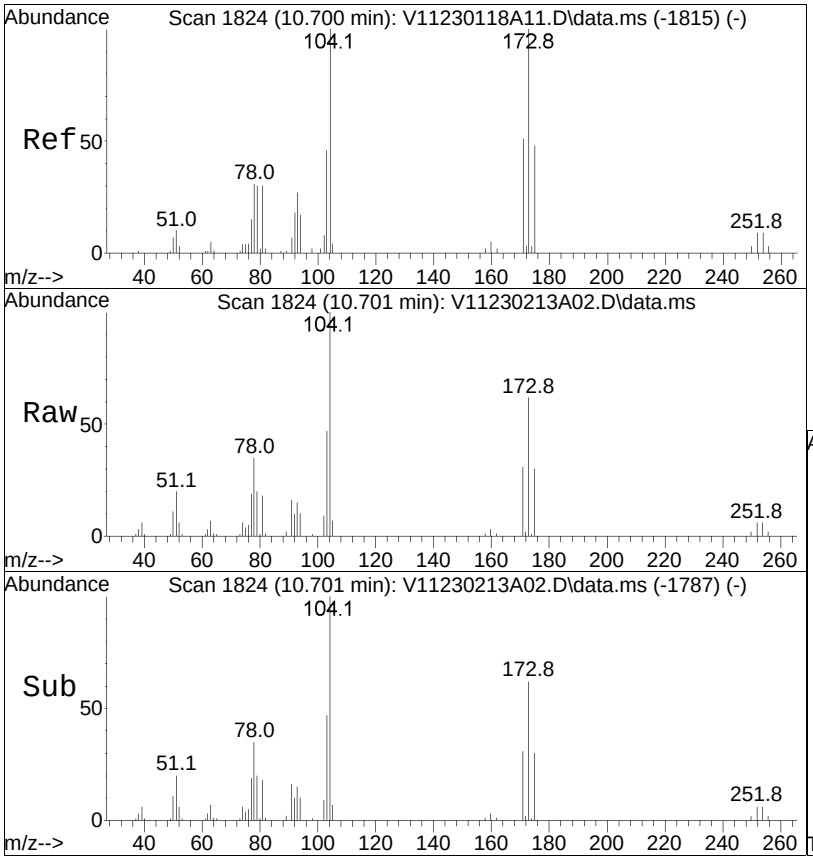


#78
Styrene
Concen: 80.06 ug/L
RT: 10.680 min Scan# 1820
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:104 Resp: 230965

Ion	Ratio	Lower	Upper
104	100		
78	38.8	34.4	51.6

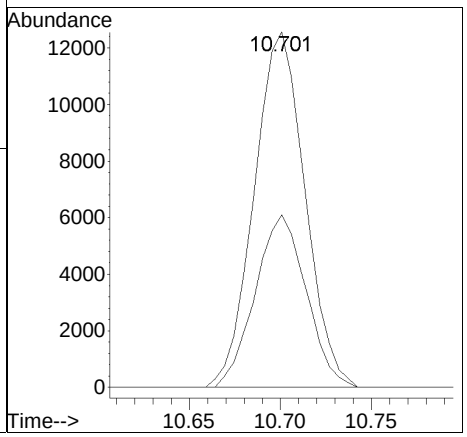


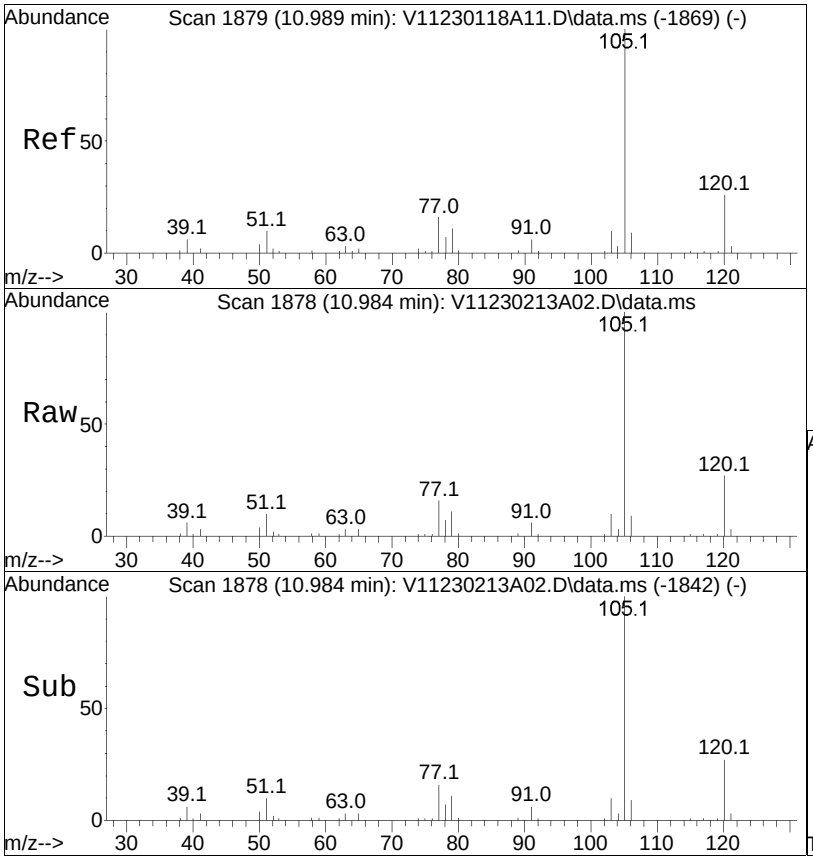


#80
Bromoform
Concen: 37.27 ug/L
RT: 10.701 min Scan# 1824
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:173 Resp: 24367

Ion	Ratio	Lower	Upper
173	100		
175	48.7	28.1	68.1

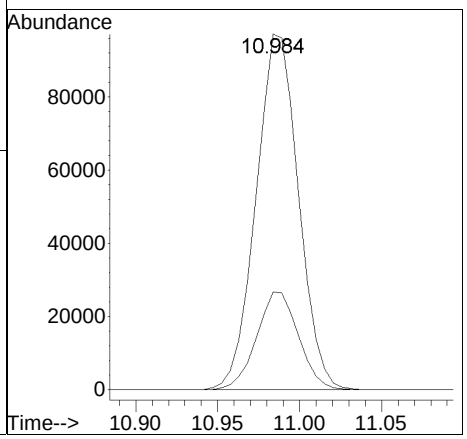


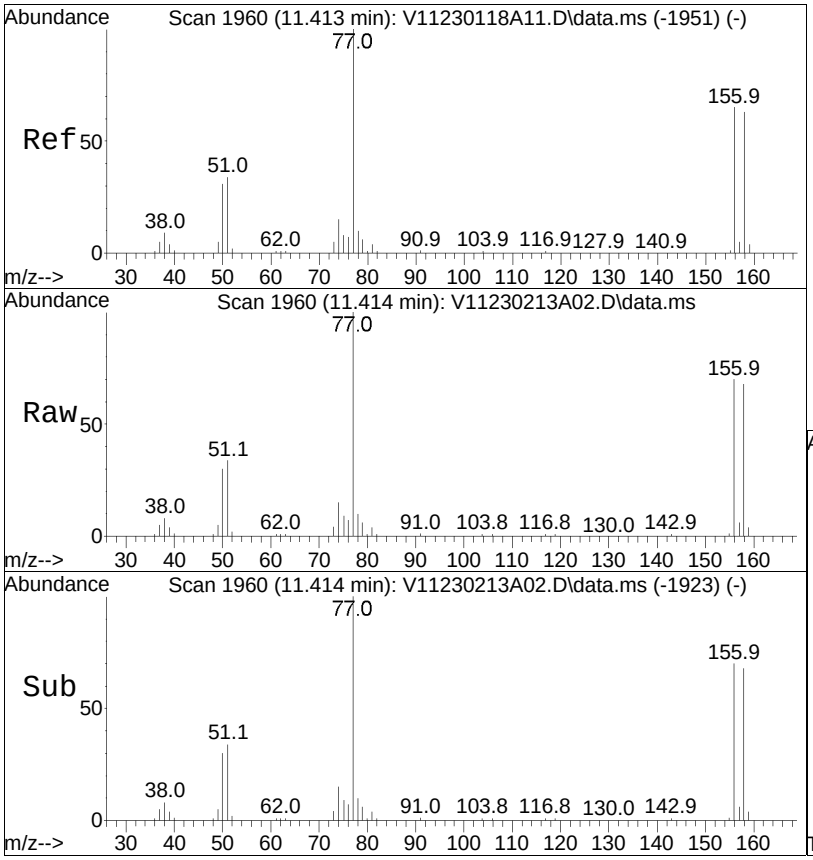


#82
Isopropylbenzene
Concen: 39.41 ug/L
RT: 10.984 min Scan# 1878
Delta R.T. -0.010 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:105 Resp: 174610

Ion	Ratio	Lower	Upper
105	100		
120	26.9	6.9	46.9

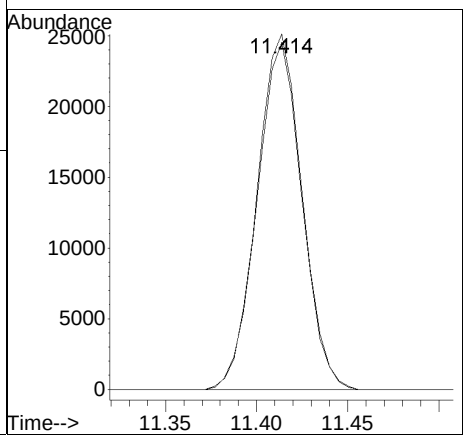


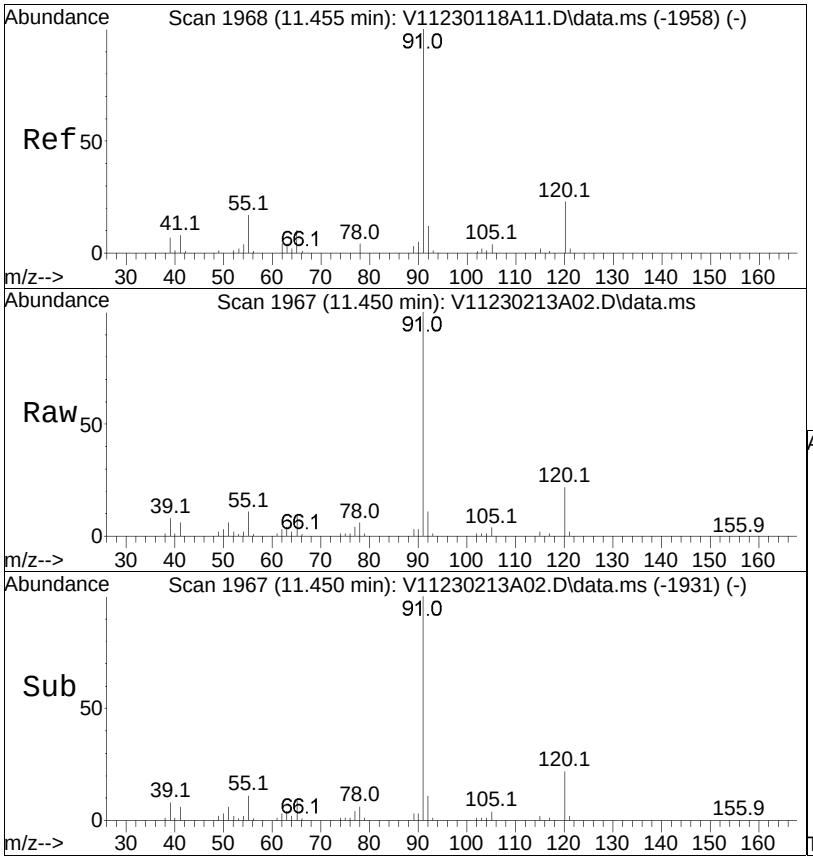


#84
Bromobenzene
Concen: 36.67 ug/L
RT: 11.414 min Scan# 1960
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:156 Resp: 43266

Ion	Ratio	Lower	Upper
156	100		
158	96.8	77.5	116.3

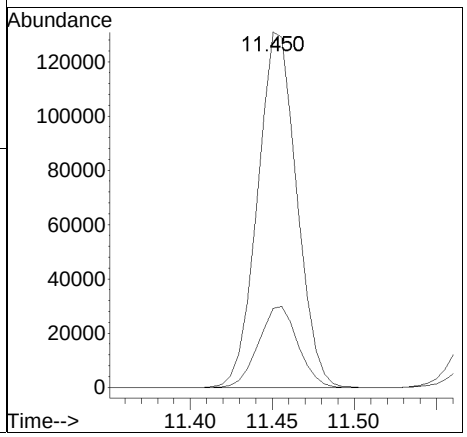


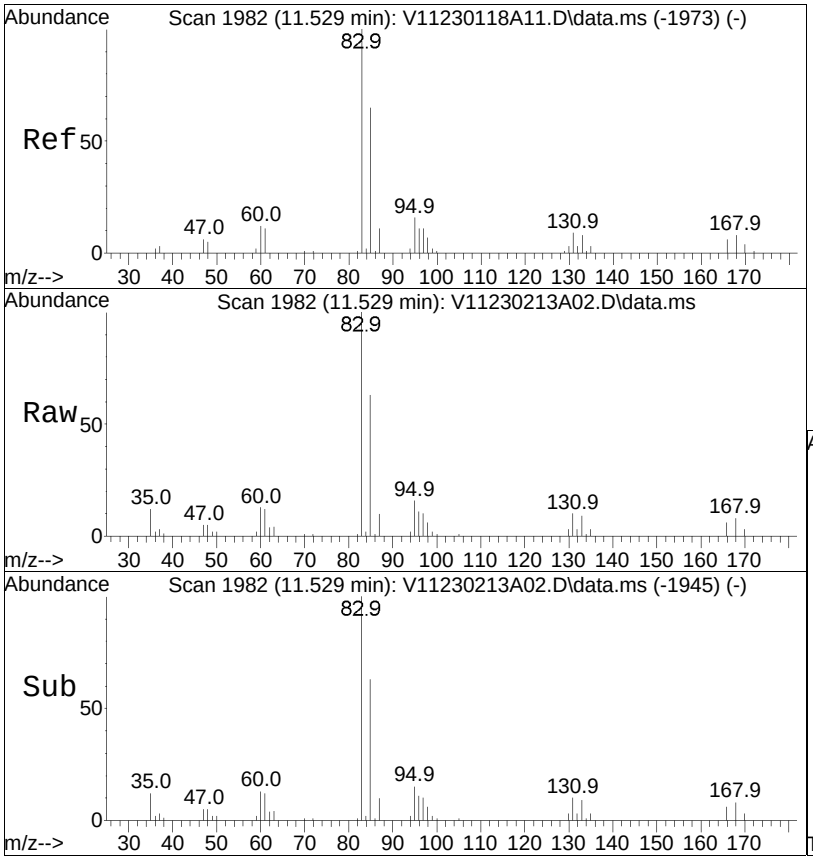


#85
n-Propylbenzene
Concen: 39.21 ug/L
RT: 11.450 min Scan# 1967
Delta R.T. -0.011 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 91 Resp: 217115

Ion	Ratio	Lower	Upper
91	100		
120	22.8	18.6	27.8

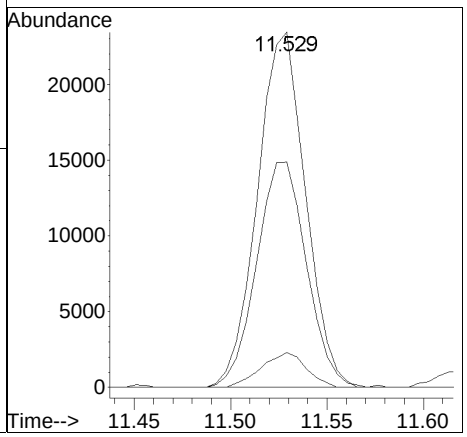


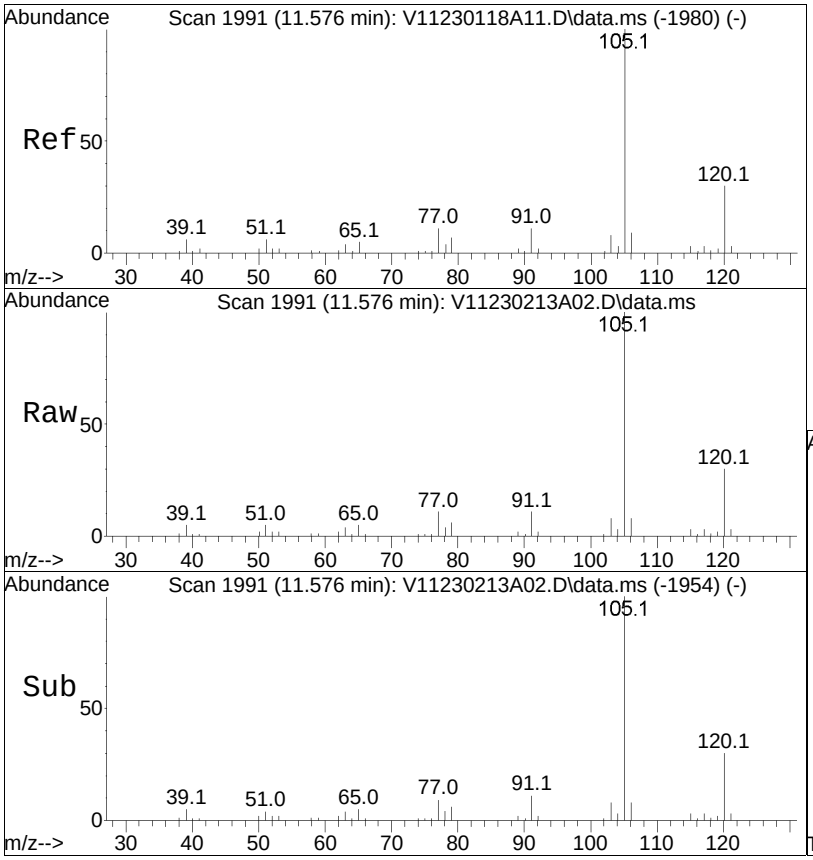


#87
1,1,2,2-Tetrachloroethane
Concen: 36.65 ug/L
RT: 11.529 min Scan# 1982
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 83 Resp: 40673

Ion	Ratio	Lower	Upper
83	100		
131	9.2	0.0	30.1
85	66.0	45.8	85.8

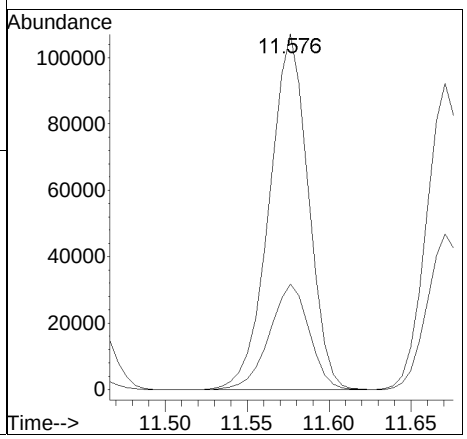


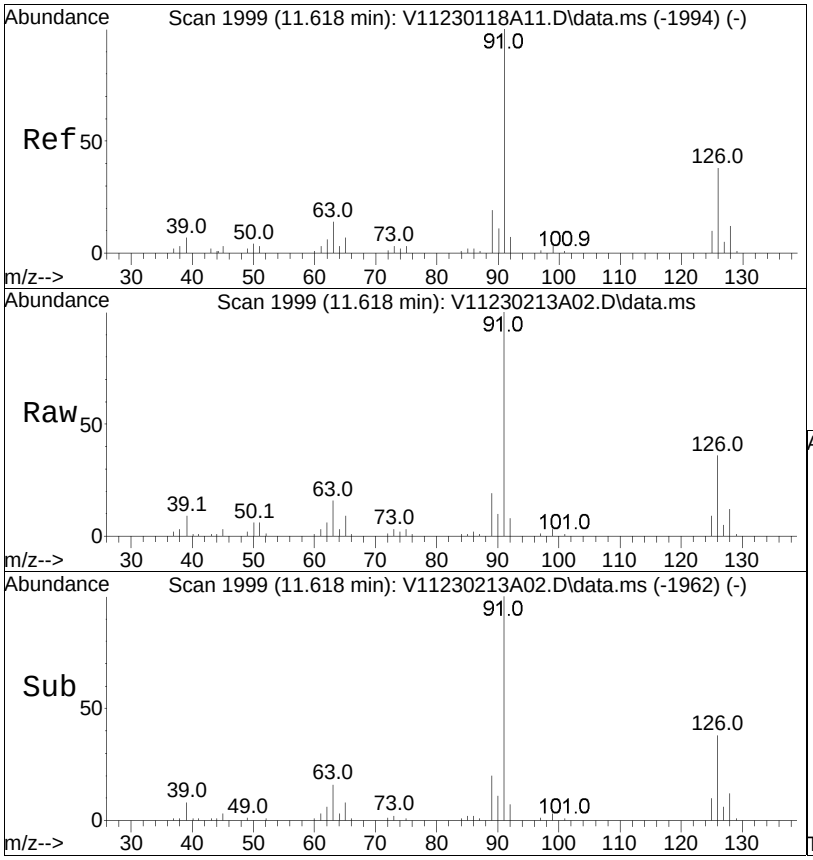


#88
4-Ethyltoluene
Concen: 39.89 ug/L
RT: 11.576 min Scan# 1991
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:105 Resp: 177028

Ion	Ratio	Lower	Upper
105	100		
120	30.1	19.5	40.5

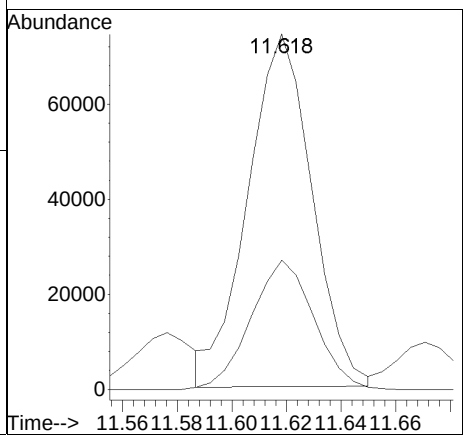


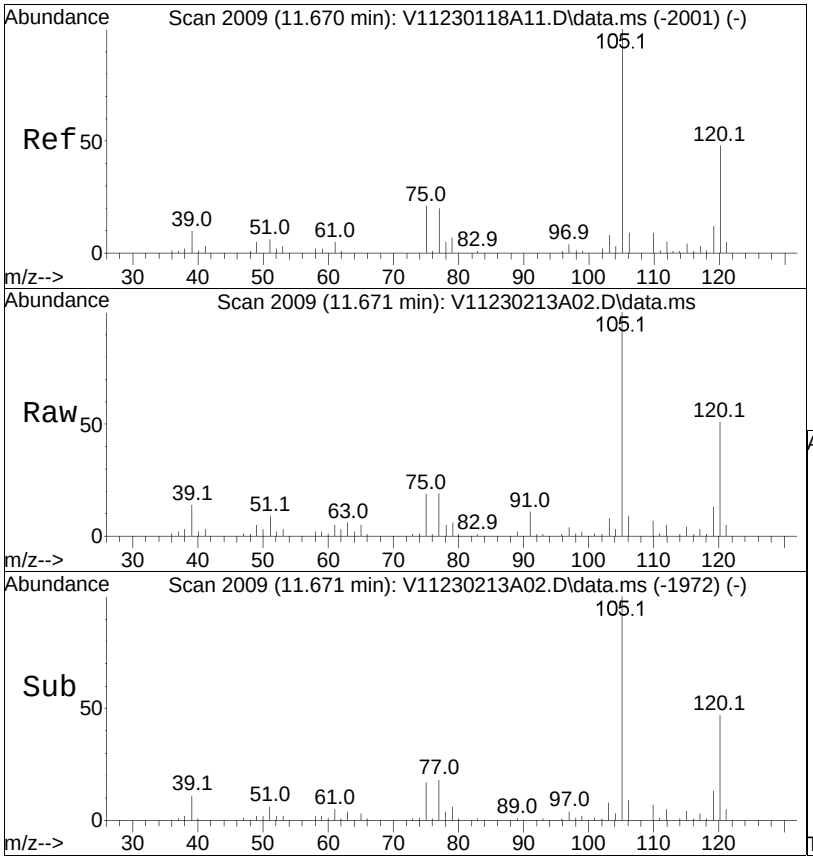


#89
2-Chlorotoluene
Concen: 37.32 ug/L
RT: 11.618 min Scan# 1999
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 91 Resp: 121228

Ion	Ratio	Lower	Upper
91	100		
126	35.9	24.3	36.5

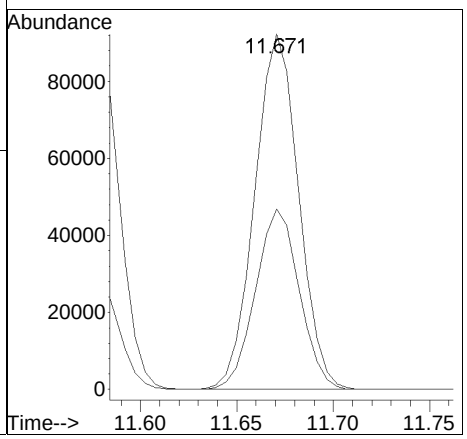


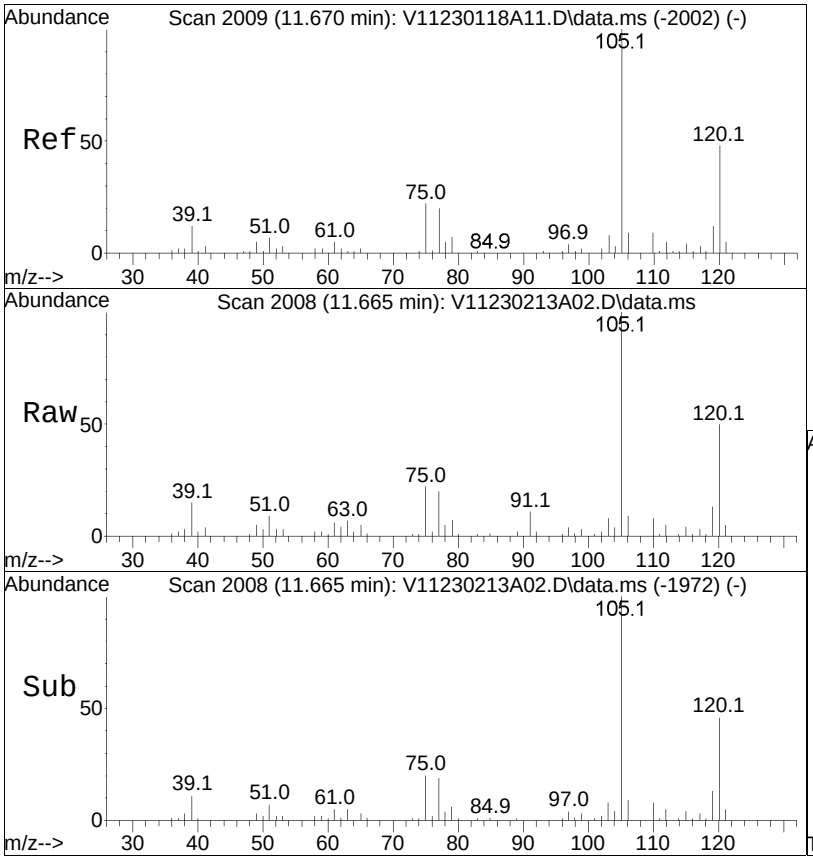


#90
1,3,5-Trimethylbenzene
Concen: 38.67 ug/L
RT: 11.671 min Scan# 2009
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:105 Resp: 146091

Ion	Ratio	Lower	Upper
105	100		
120	50.5	39.8	59.8

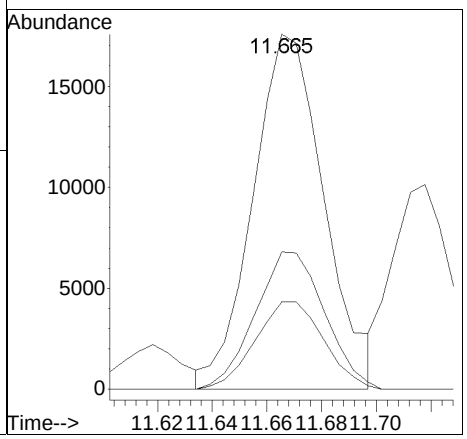


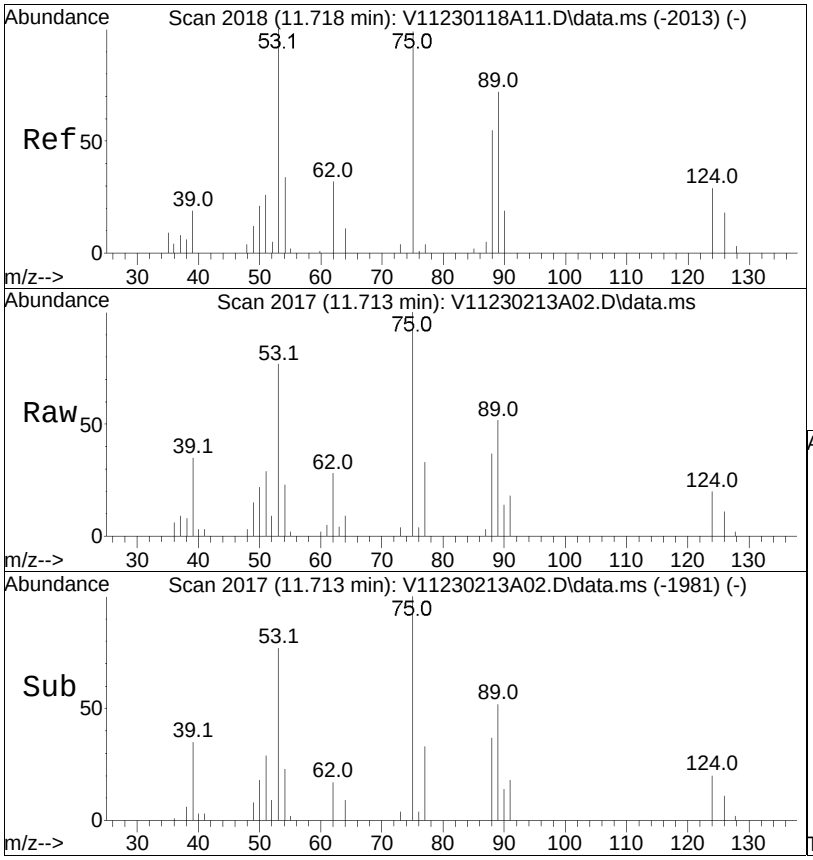


#91
1,2,3-Trichloropropane
Concen: 36.49 ug/L
RT: 11.665 min Scan# 2008
Delta R.T. -0.011 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 75 Resp: 31772

Ion	Ratio	Lower	Upper
75	100		
110	37.7	25.2	52.2
112	23.9	15.7	32.5

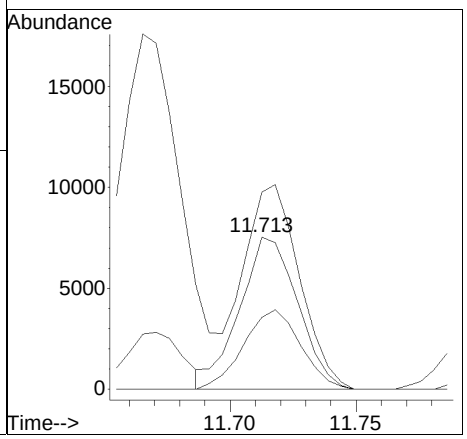


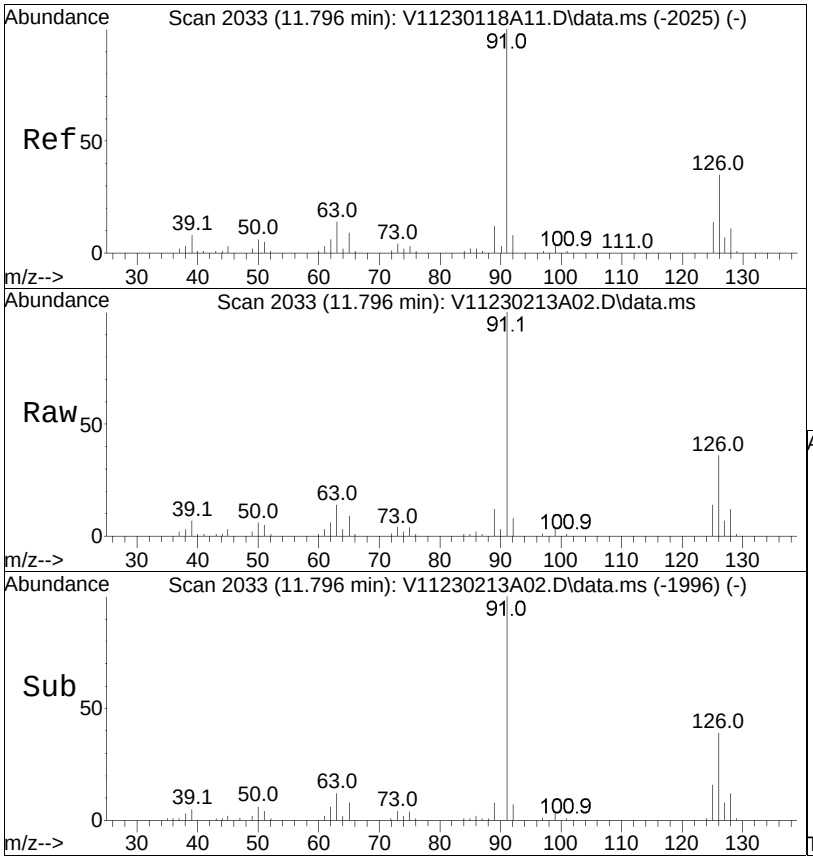


#92
trans-1,4-Dichloro-2-butene
Concen: 41.67 ug/L
RT: 11.713 min Scan# 2017
Delta R.T. -0.010 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 53 Resp: 12085

Ion	Ratio	Lower	Upper
53	100		
88	51.4	34.1	51.1#
75	127.3	82.8	124.2#

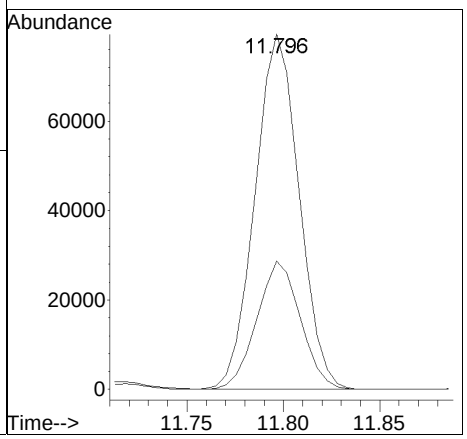


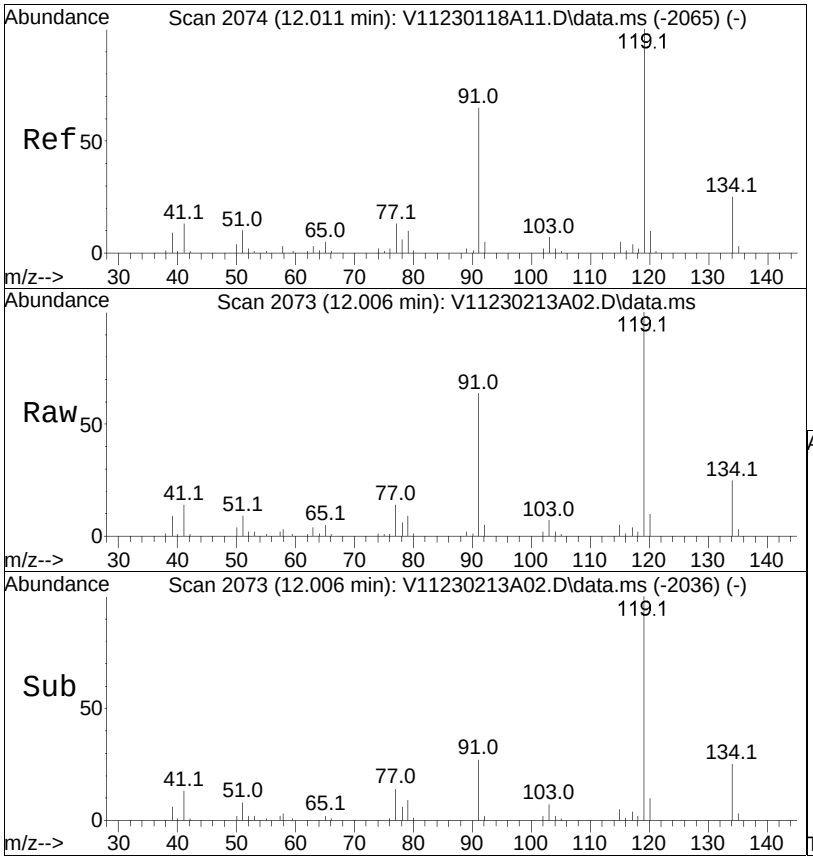


#93
4-Chlorotoluene
Concen: 37.40 ug/L
RT: 11.796 min Scan# 2033
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 91 Resp: 126255

Ion	Ratio	Lower	Upper
91	100		
126	35.6	27.9	41.9

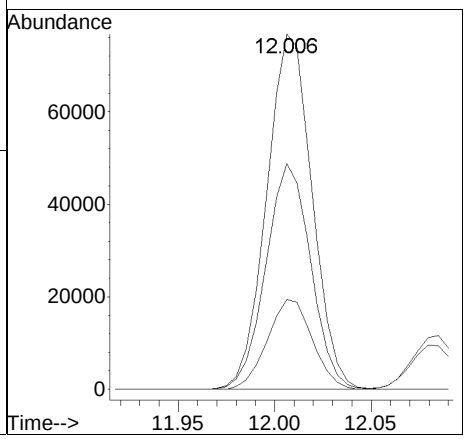


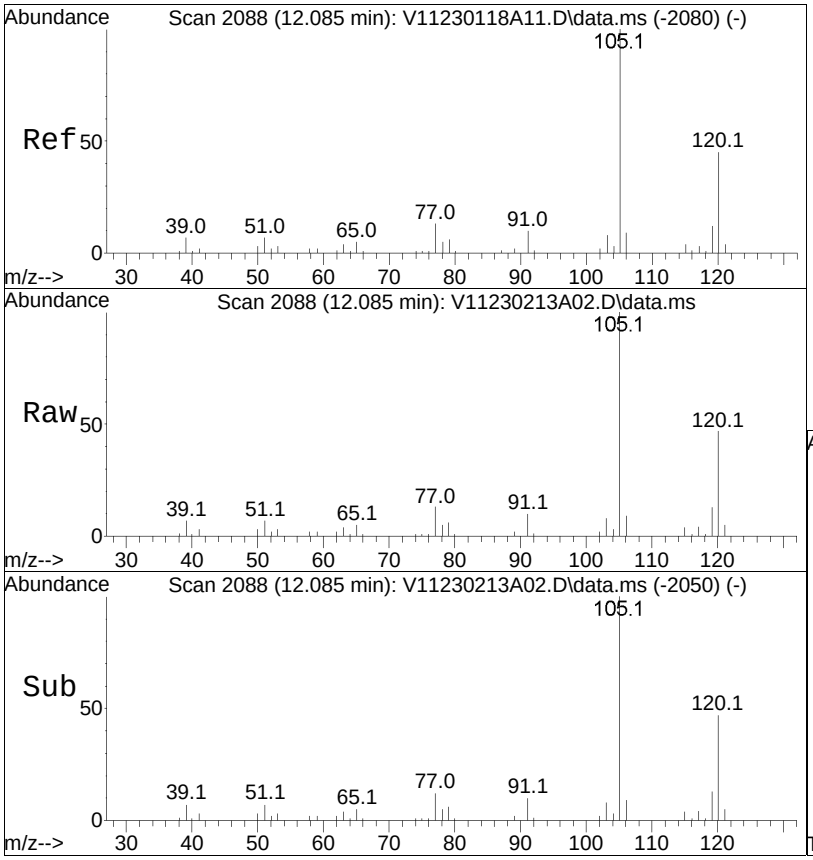


#94
tert-Butylbenzene
Concen: 39.42 ug/L
RT: 12.006 min Scan# 2073
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:119 Resp: 125737

Ion	Ratio	Lower	Upper
119	100		
91	62.9	53.0	79.4
134	25.1	19.8	29.6

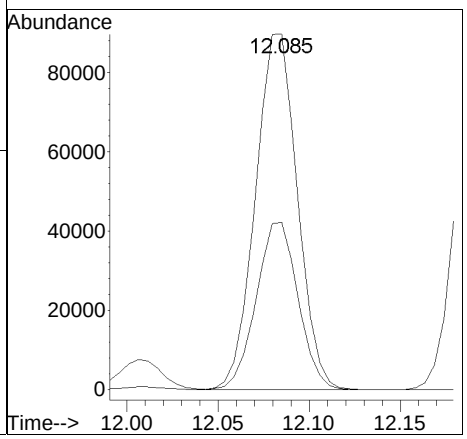


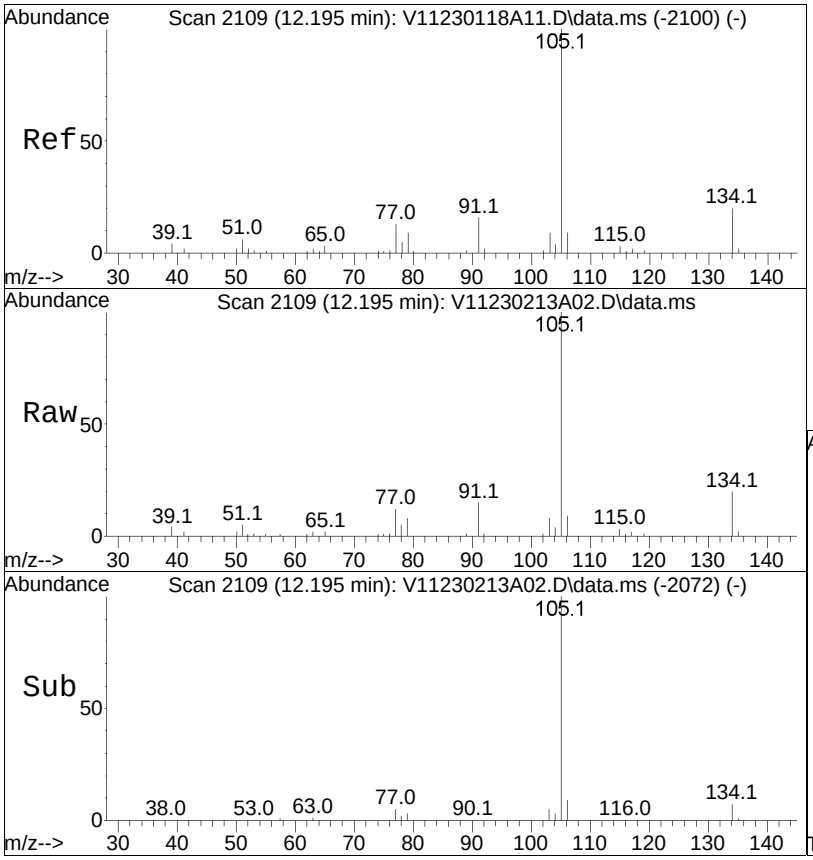


#97
1,2,4-Trimethylbenzene
Concen: 38.18 ug/L
RT: 12.085 min Scan# 2088
Delta R.T. -0.000 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:105 Resp: 143594

Ion	Ratio	Lower	Upper
105	100		
120	46.8	37.4	56.0

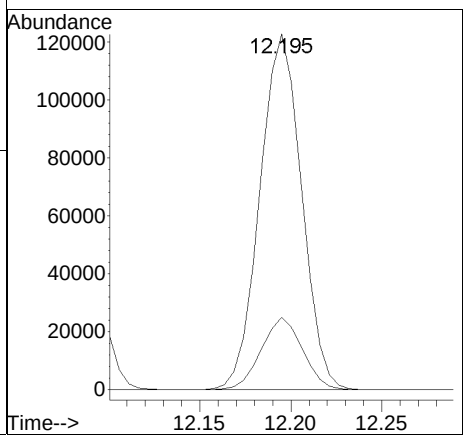


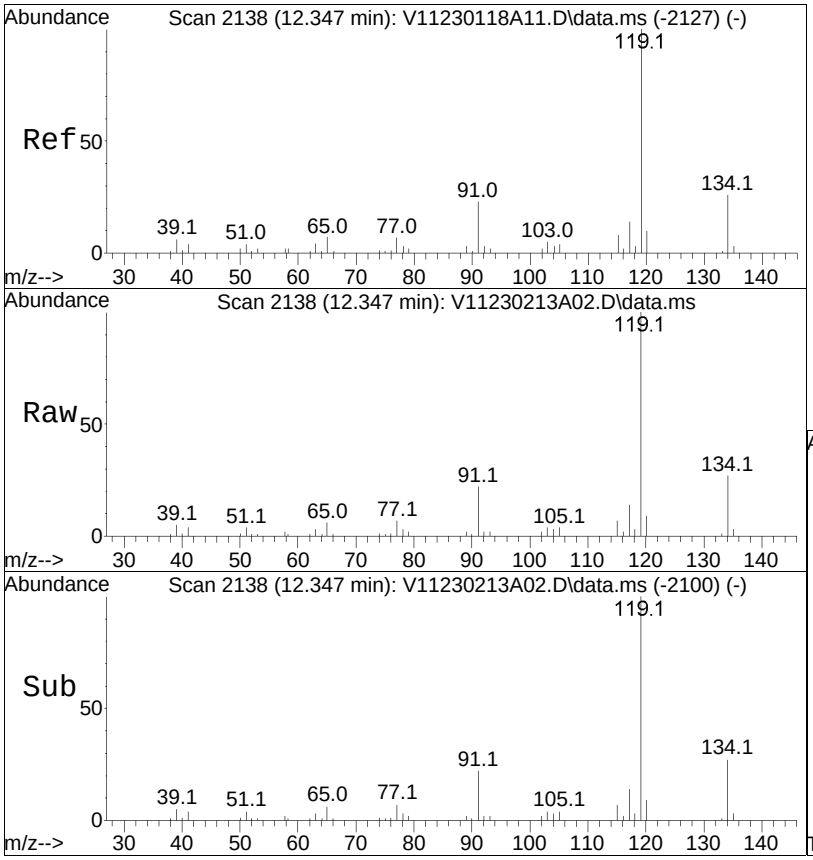


#98
sec-Butylbenzene
Concen: 40.38 ug/L
RT: 12.195 min Scan# 2109
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:105 Resp: 194968

Ion	Ratio	Lower	Upper
105	100		
134	19.9	13.2	27.4

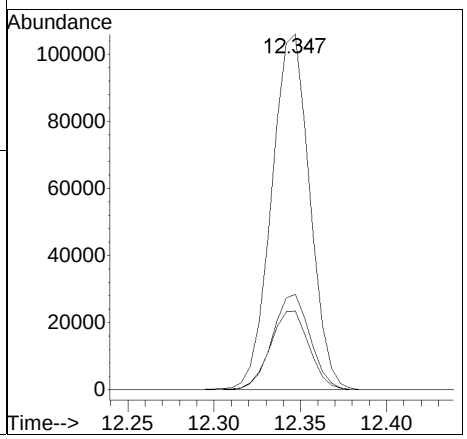


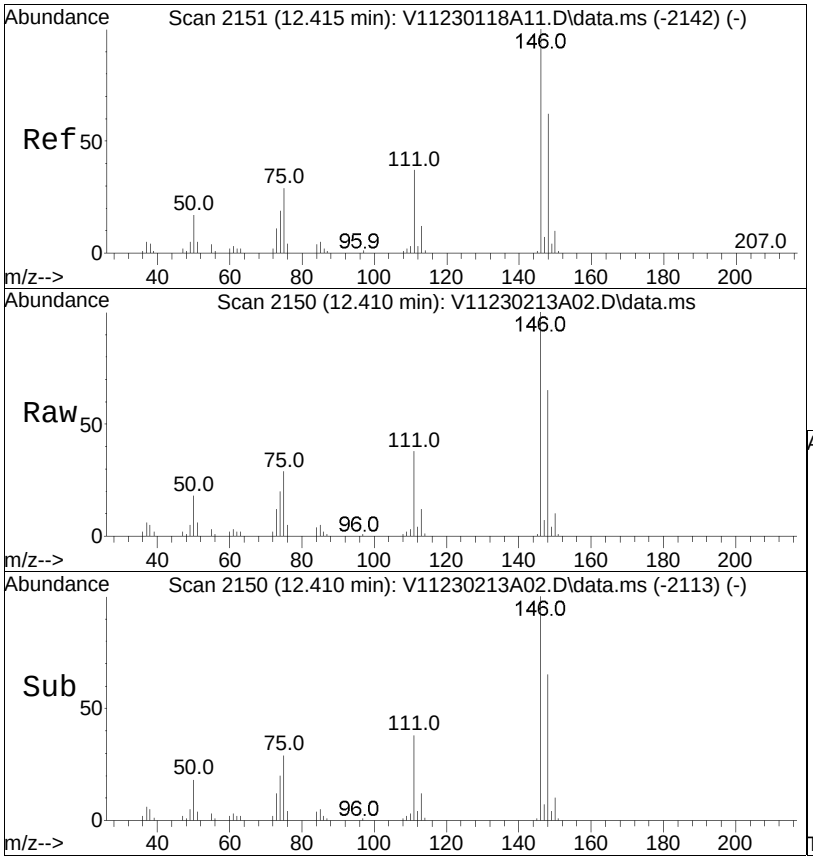


#99
p-Isopropyltoluene
Concen: 39.52 ug/L
RT: 12.347 min Scan# 2138
Delta R.T. 0.000 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:119 Resp: 162843

Ion	Ratio	Lower	Upper
119	100		
134	26.4	17.1	35.5
91	22.4	15.3	31.9

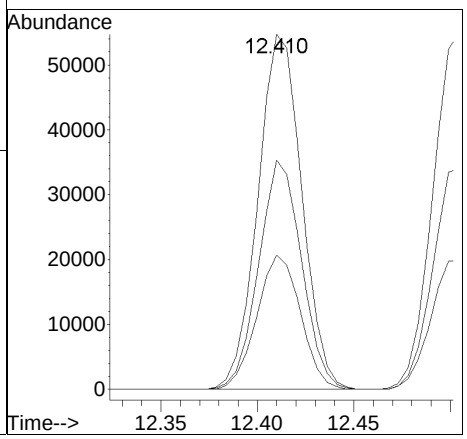


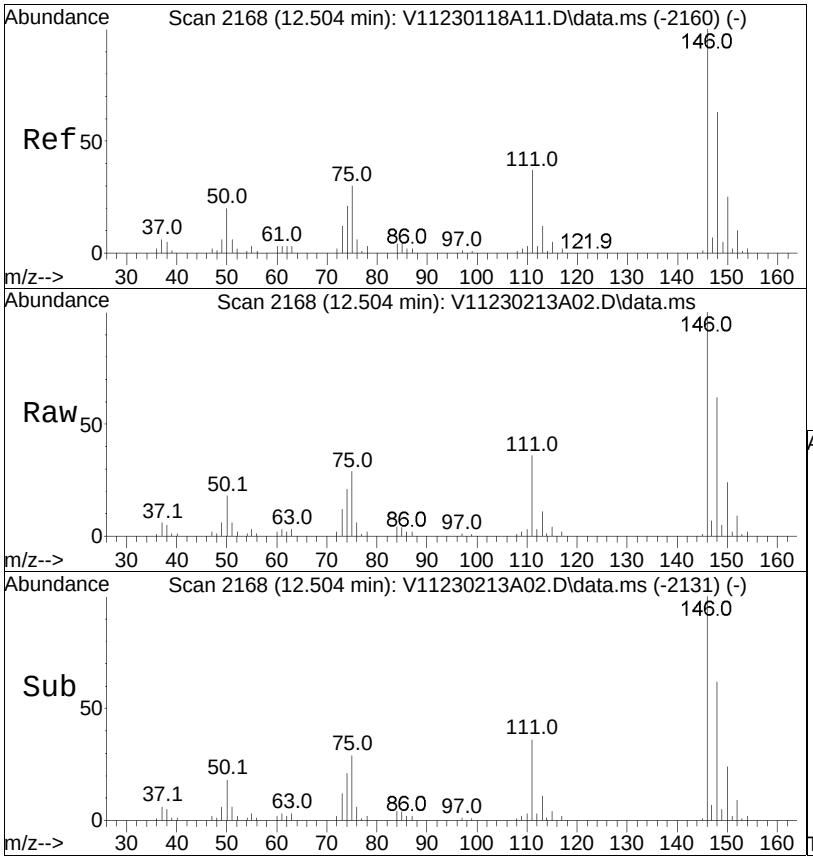


#100
1,3-Dichlorobenzene
Concen: 37.92 ug/L
RT: 12.410 min Scan# 2150
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:146 Resp: 86642

Ion	Ratio	Lower	Upper
146	100		
111	37.6	25.6	53.2
148	63.1	41.3	85.9

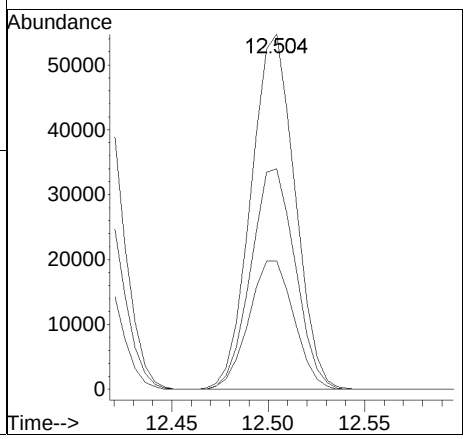


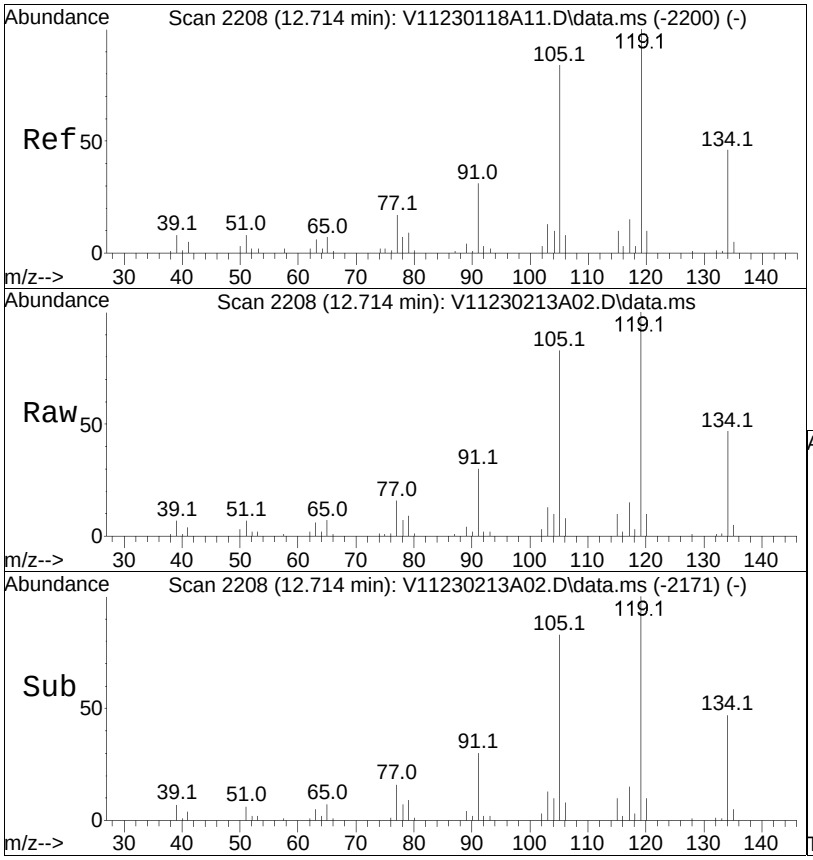


#101
1,4-Dichlorobenzene
Concen: 36.99 ug/L
RT: 12.504 min Scan# 2168
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:146 Resp: 86800

Ion	Ratio	Lower	Upper
146	100		
111	37.2	31.4	47.0
148	62.7	50.7	76.1

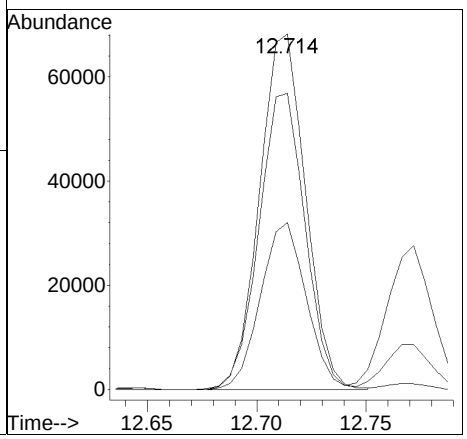


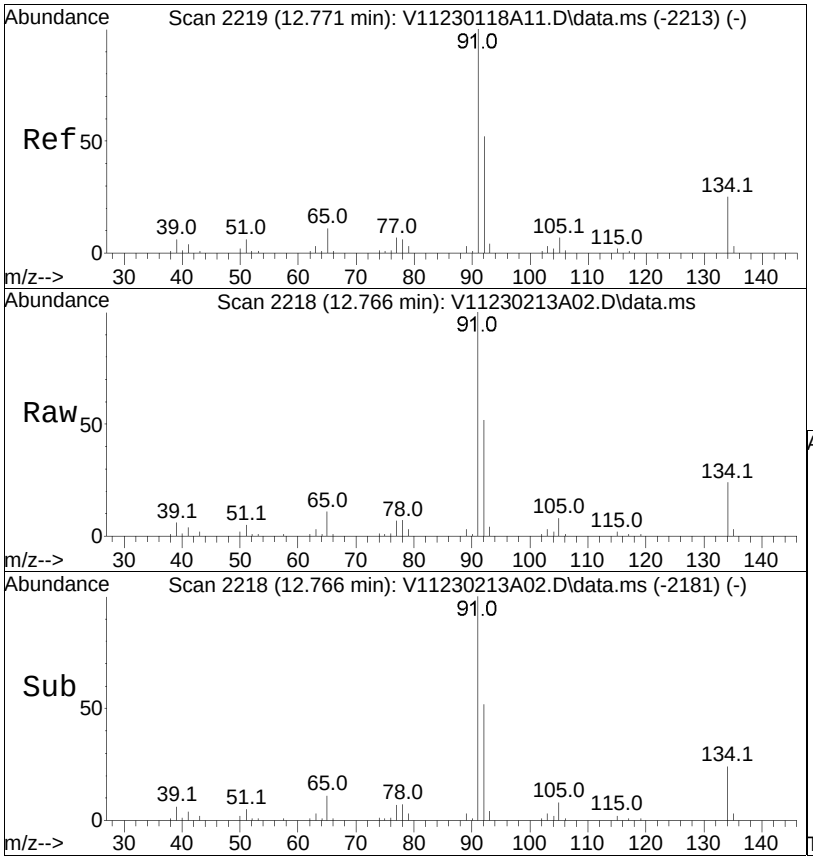


#102
p-Diethylbenzene
Concen: 40.35 ug/L
RT: 12.714 min Scan# 2208
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:119 Resp: 99848

Ion	Ratio	Lower	Upper
119	100		
105	83.7	54.5	113.3
134	46.6	29.9	62.1

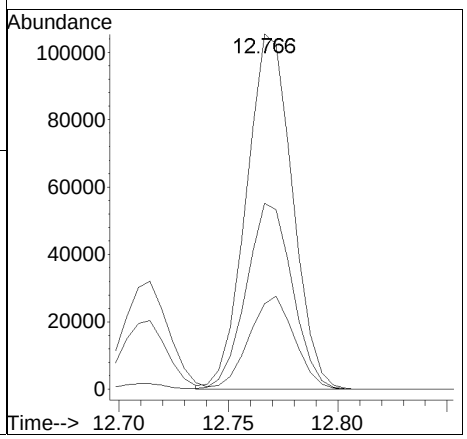


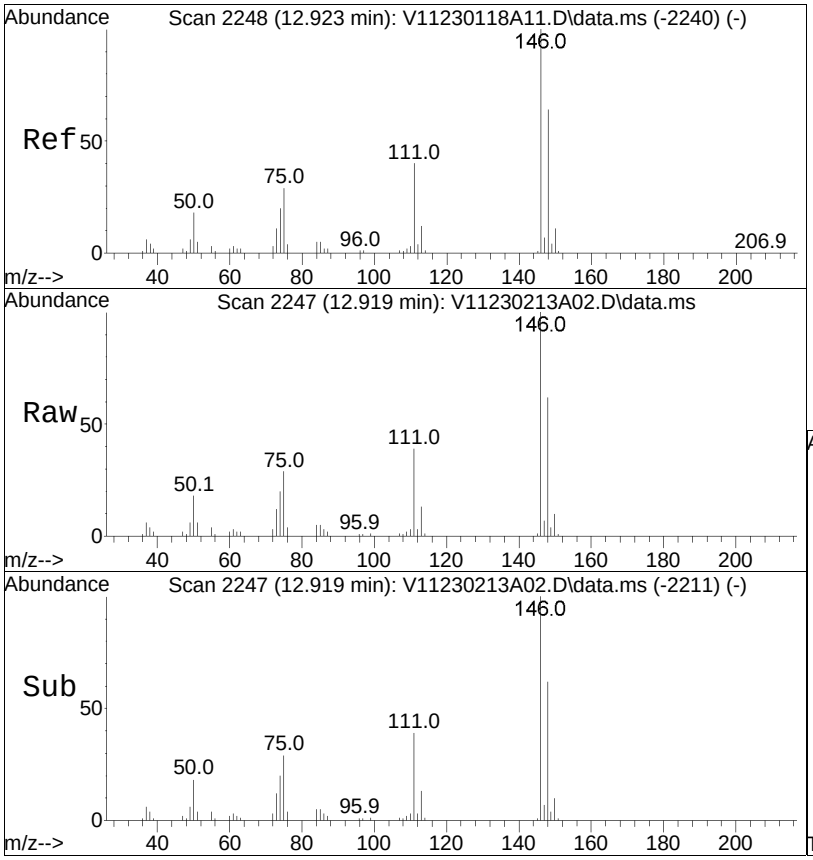


#103
n-Butylbenzene
Concen: 40.73 ug/L
RT: 12.766 min Scan# 2218
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion: 91 Resp: 154790

Ion	Ratio	Lower	Upper
91	100		
92	52.3	43.3	64.9
134	25.7	21.4	32.0

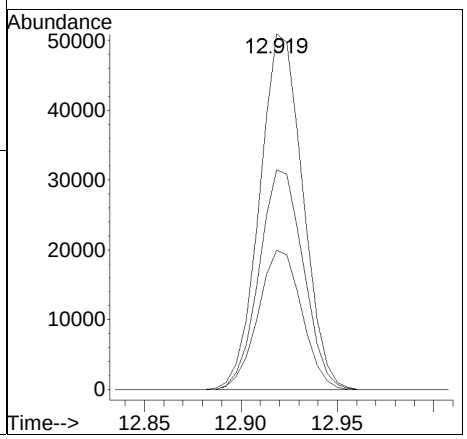


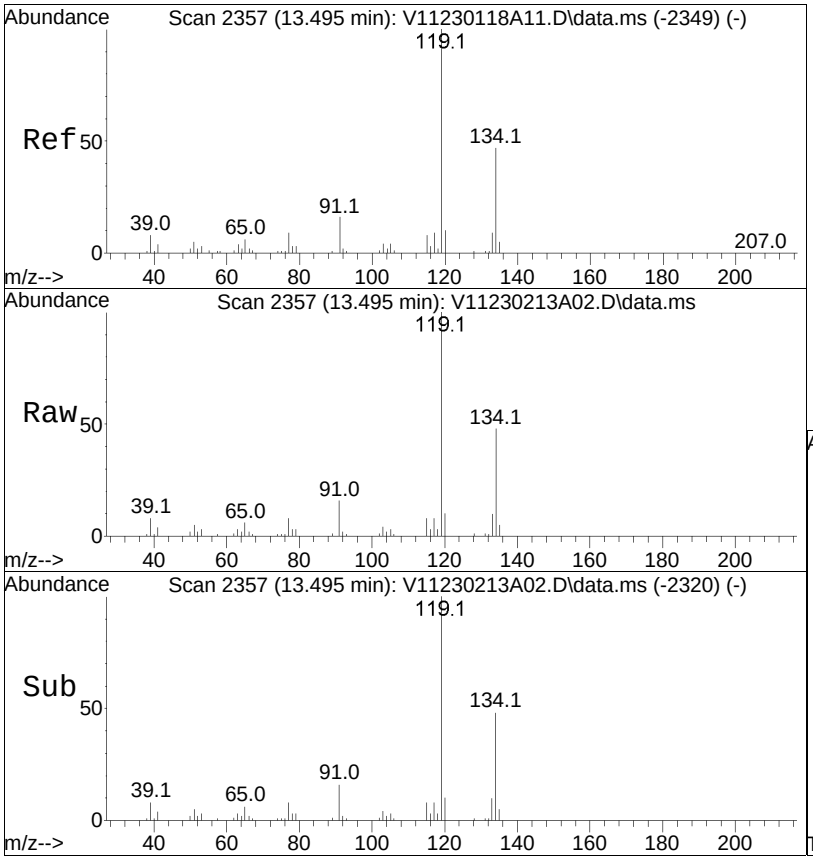


#104
1,2-Dichlorobenzene
Concen: 36.67 ug/L
RT: 12.919 min Scan# 2247
Delta R.T. -0.011 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:146 Resp: 79294

Ion	Ratio	Lower	Upper
146	100		
111	39.6	26.9	55.9
148	63.1	41.2	85.6

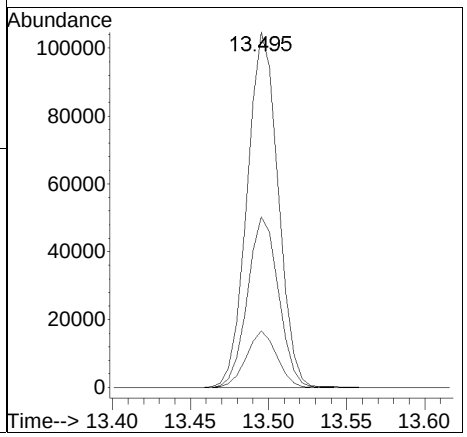


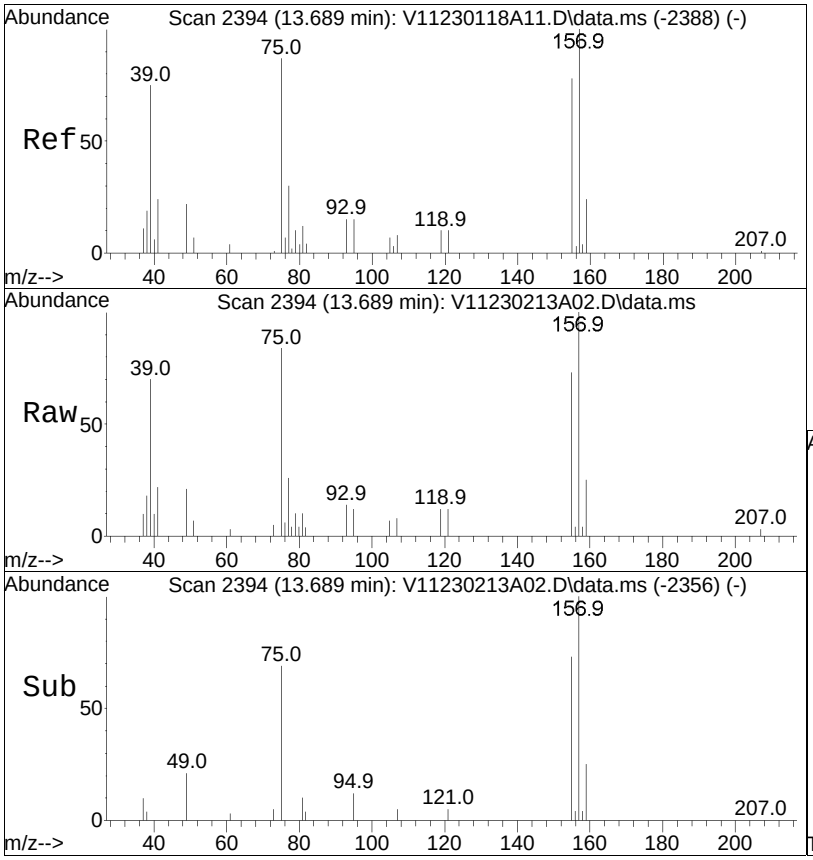


#105
1,2,4,5-Tetramethylbenzene
Concen: 37.44 ug/L
RT: 13.495 min Scan# 2357
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:119 Resp: 144670

Ion	Ratio	Lower	Upper
119	100		
134	48.0	31.1	64.5
91	15.5	10.4	21.6

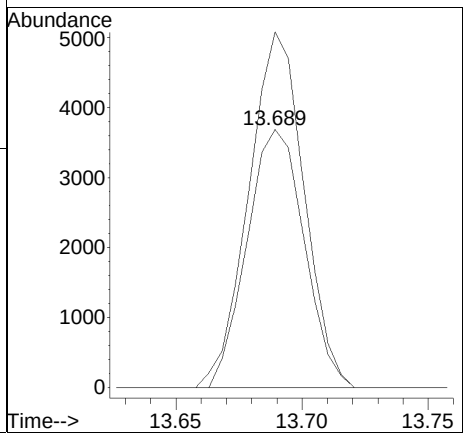


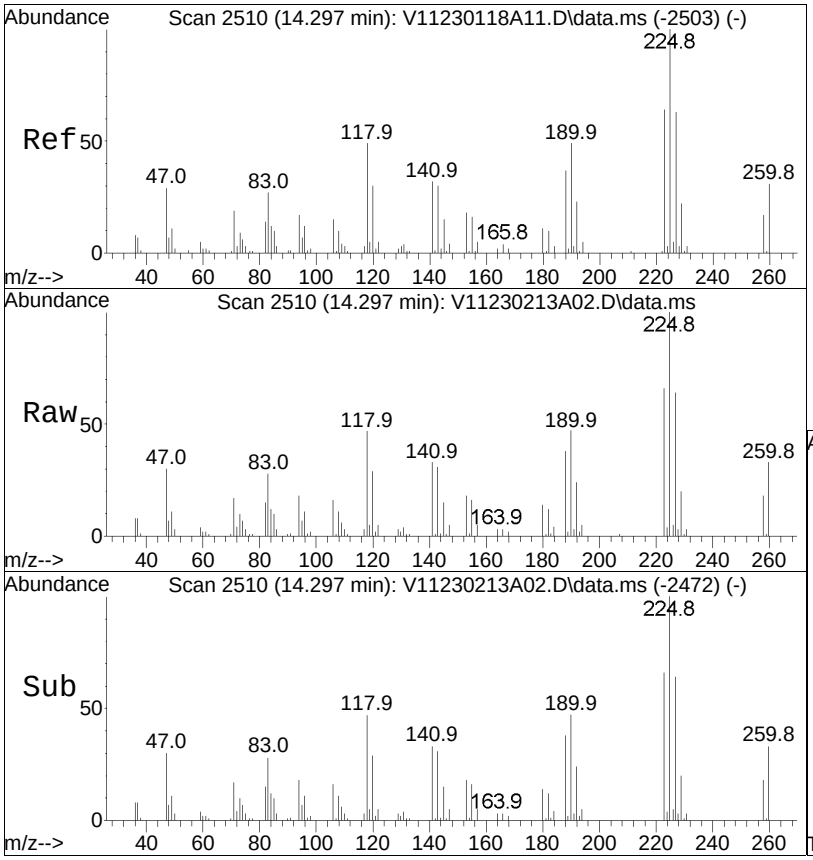


#106
1,2-Dibromo-3-chloropropane
Concen: 35.44 ug/L
RT: 13.689 min Scan# 2394
Delta R.T. 0.000 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:155 Resp: 5810

Ion	Ratio	Lower	Upper
155	100		
157	133.4	100.0	150.0

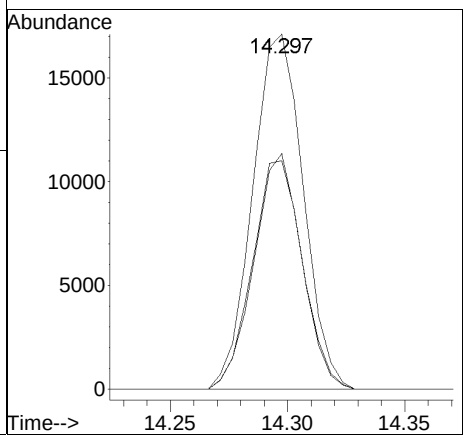


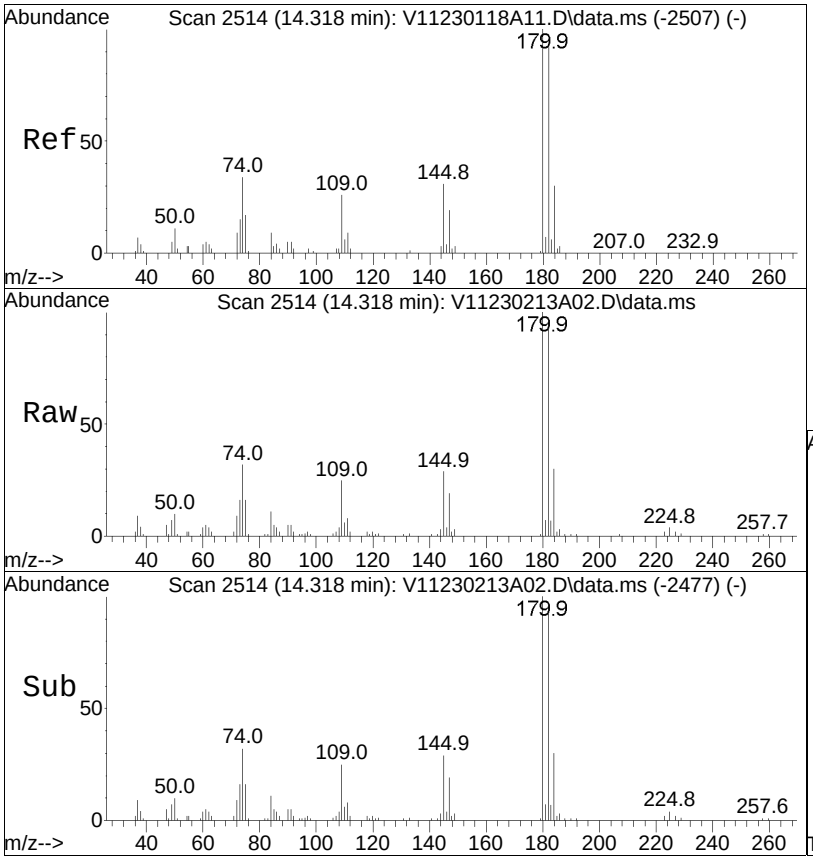


#108
Hexachlorobutadiene
Concen: 38.39 ug/L
RT: 14.297 min Scan# 2510
Delta R.T. 0.000 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:225 Resp: 25755

Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.9	74.9
227	63.9	50.6	75.8

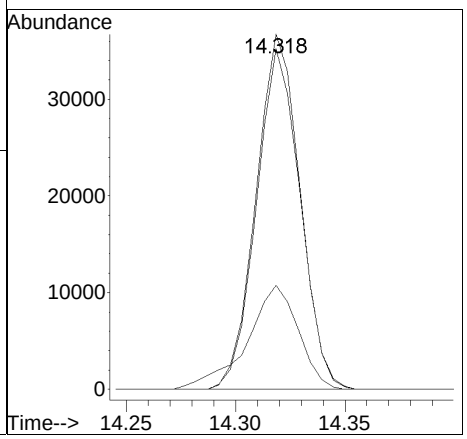


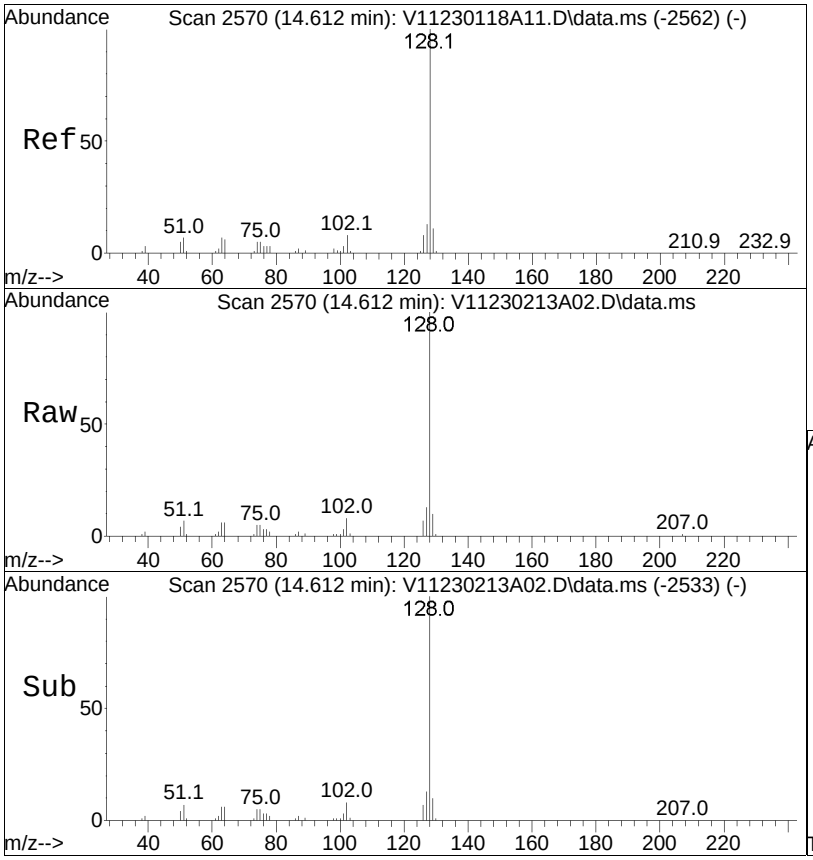


#109
1,2,4-Trichlorobenzene
Concen: 37.67 ug/L
RT: 14.318 min Scan# 2514
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:180 Resp: 51355

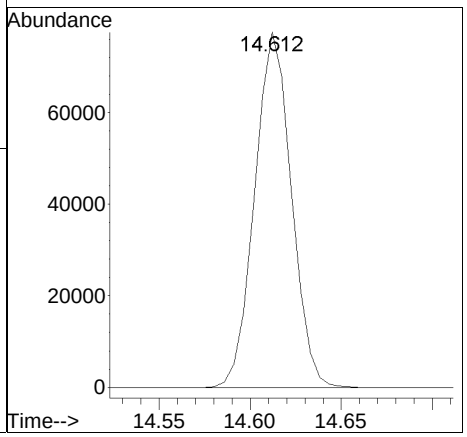
Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.8	113.6
145	34.3	29.6	44.4

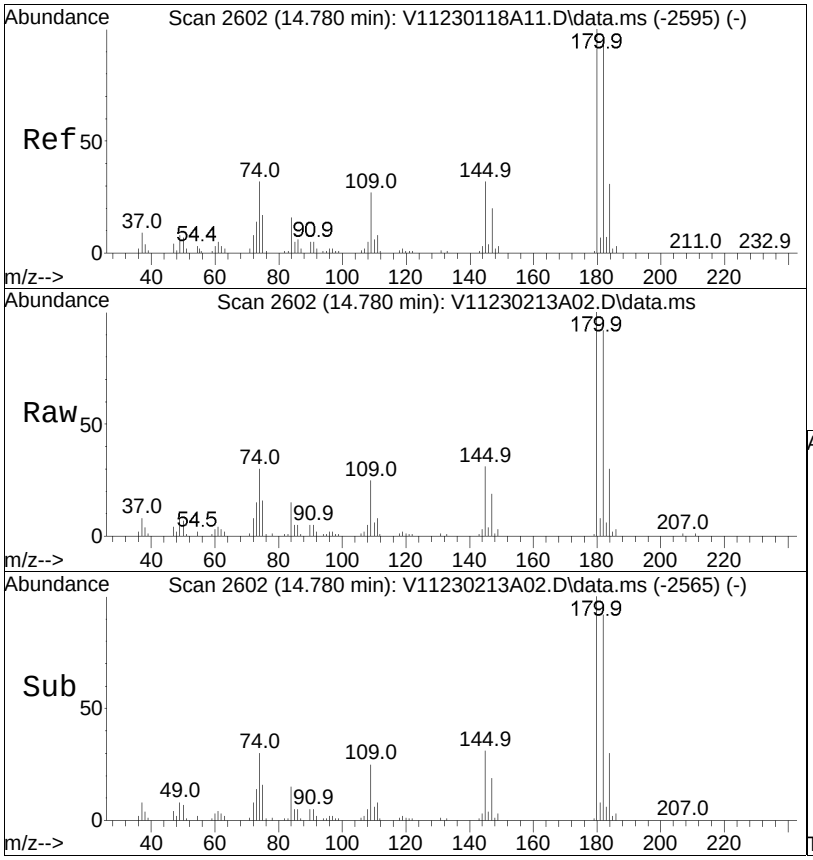




#110
Naphthalene
Concen: 37.13 ug/L
RT: 14.612 min Scan# 2570
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:128 Resp: 108813

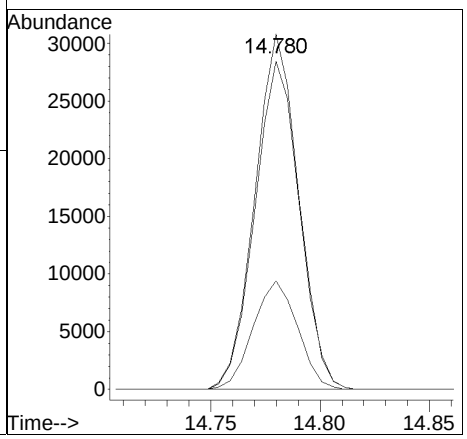




#111
1,2,3-Trichlorobenzene
Concen: 37.62 ug/L
RT: 14.780 min Scan# 2602
Delta R.T. -0.005 min
Lab File: V11230213A02.D
Acq: 13 Feb 2023 07:55 am

Tgt Ion:180 Resp: 42815

Ion	Ratio	Lower	Upper
180	100		
182	94.1	74.2	111.4
145	31.1	26.3	39.5



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2	QMethod	: V111_230118_8260.m
Data File	: V11230213A02.D	Operator	: VOA111:AJK
Date Inj'd	: 2/13/2023 7:55 am	Instrument	: VOA111
Sample	: WG1744281-3,31,5,5	Quant Date	: 2/13/2023 8:14 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A02.D
Acq On : 9 Feb 2023 7:10 am
Operator : VOA101:PID
Sample : WG1742861-4,31,10,10,,
Misc : WG1742861,ICAL19605
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 09 07:34:14 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2023\230209A\V01230209A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.079	96	379782	10.000	ug/L		0.00
Standard Area 1 = 380643			Recovery = 99.77%				
59) Chlorobenzene-d5	9.612	117	313152	10.000	ug/L		0.00
Standard Area 1 = 309209			Recovery = 101.28%				
79) 1,4-Dichlorobenzene-d4	12.298	152	164259	10.000	ug/L		0.00
Standard Area 1 = 164050			Recovery = 100.13%				
System Monitoring Compounds							
36) Dibromofluoromethane	5.270	113	106500	10.049	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.49%				
43) 1,2-Dichloroethane-d4	5.795	65	116636	10.063	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.63%				
60) Toluene-d8	7.766	98	381601	9.997	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.97%				
83) 4-Bromofluorobenzene	11.096	95	145576	10.871	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.71%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.698	85	74574	8.667	ug/L		98
3) Chloromethane	1.888	50	81521	8.138	ug/L		98
4) Vinyl chloride	1.963	62	107361	7.663	ug/L		99
5) Bromomethane	2.278	94	45569	4.769	ug/L		97
6) Chloroethane	2.395	64	87134	7.626	ug/L		98
7) Trichlorofluoromethane	2.540	101	197359	8.121	ug/L		98
8) Ethyl ether	2.836	74	45844	7.920	ug/L	#	75
10) 1,1-Dichloroethene	3.026	96	106500	7.810	ug/L		86
11) Carbon disulfide	3.056	76	304533	12.162	ug/L		100
15) Methylene chloride	3.581	84	87202	9.836	ug/L		82
17) Acetone	3.628	43	20975M1	11.706	ug/L		
18) trans-1,2-Dichloroethene	3.734	96	92781	10.087	ug/L		98
20) Methyl tert-butyl ether	3.837	73	168333	9.957	ug/L	#	90
23) 1,1-Dichloroethane	4.314	63	180650	10.548	ug/L		100
25) Acrylonitrile	4.359	53	18534	10.694	ug/L		96
27) Vinyl acetate	4.545	43	215568	12.392	ug/L	#	95
28) cis-1,2-Dichloroethene	4.835	96	104202	10.208	ug/L		97
29) 2,2-Dichloropropane	4.933	77	151248	11.380	ug/L		86
30) Bromochloromethane	5.022	128	46196	9.695	ug/L		88
32) Chloroform	5.095	83	174982	10.434	ug/L		95

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A02.D
Acq On : 9 Feb 2023 7:10 am
Operator : VOA101:PID
Sample : WG1742861-4,31,10,10,,
Misc : WG1742861,ICAL19605
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 09 07:34:14 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2023\230209A\V01230209A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	5.231	117	147363	11.806	ug/L		100
37) 1,1,1-Trichloroethane	5.296	97	153962	10.935	ug/L		97
39) 2-Butanone	5.390	43	28857	12.248	ug/L	#	34
40) 1,1-Dichloropropene	5.418	75	131460	10.553	ug/L		99
41) Benzene	5.664	78	368648	9.551	ug/L		96
44) 1,2-Dichloroethane	5.867	62	119448	10.330	ug/L		99
48) Trichloroethene	6.255	95	106048	10.031	ug/L		99
50) Dibromomethane	6.698	93	50489	9.845	ug/L		96
51) 1,2-Dichloropropane	6.801	63	102459	10.977	ug/L		100
54) Bromodichloromethane	6.874	83	128865	11.116	ug/L		99
57) 1,4-Dioxane	7.080	88	21274M1	437.844	ug/L		
58) cis-1,3-Dichloropropene	7.560	75	147938	10.973	ug/L	#	84
61) Toluene	7.825	92	243221	10.003	ug/L		100
62) 4-Methyl-2-pentanone	8.254	58	19794	9.929	ug/L	#	71
63) Tetrachloroethene	8.277	166	103710	9.903	ug/L		94
65) trans-1,3-Dichloropropene	8.310	75	124186	10.781	ug/L		85
68) 1,1,2-Trichloroethane	8.497	83	57296	9.869	ug/L		98
69) Chlorodibromomethane	8.706	129	88323	11.252	ug/L		98
70) 1,3-Dichloropropane	8.815	76	121233	10.258	ug/L		100
71) 1,2-Dibromoethane	8.985	107	66405	9.882	ug/L		100
72) 2-Hexanone	9.267	43	39296	10.691	ug/L	#	87
73) Chlorobenzene	9.635	112	281041	9.927	ug/L		98
74) Ethylbenzene	9.671	91	479308	9.913	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.716	131	100009	10.959	ug/L		99
76) p/m Xylene	9.855	106	375395	19.888	ug/L		97
77) o Xylene	10.396	106	353891	19.240	ug/L		99
78) Styrene	10.457	104	575249	17.772	ug/L		97
80) Bromoform	10.488	173	47515	11.298	ug/L		100
82) Isopropylbenzene	10.772	105	475767	10.384	ug/L		98
84) Bromobenzene	11.208	156	107551	10.081	ug/L		97
85) n-Propylbenzene	11.249	91	559261	10.302	ug/L		98
87) 1,1,2,2-Tetrachloroethane	11.333	83	78659	10.447	ug/L		99
88) 4-Ethyltoluene	11.375	105	454856	10.450	ug/L		98
89) 2-Chlorotoluene	11.417	91	325901M1	10.629	ug/L		
90) 1,3,5-Trimethylbenzene	11.472	105	373276	10.047	ug/L		97
91) 1,2,3-Trichloropropane	11.478	75	61903M1	9.807	ug/L		
92) trans-1,4-Dichloro-2-b...	11.528	53	23943M4	11.855	ug/L		
93) 4-Chlorotoluene	11.601	91	326247	10.562	ug/L		98
94) tert-Butylbenzene	11.810	119	315352	10.307	ug/L		99

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A02.D
Acq On : 9 Feb 2023 7:10 am
Operator : VOA101:PID
Sample : WG1742861-4,31,10,10,,
Misc : WG1742861,ICAL19605
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 09 07:34:14 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2023\230209A\V01230209A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	11.888	105	361260	10.157	ug/L	97
98)	sec-Butylbenzene	11.997	105	451837	10.334	ug/L	98
99)	p-Isopropyltoluene	12.153	119	377190	10.243	ug/L	99
100)	1,3-Dichlorobenzene	12.223	146	201636	9.997	ug/L	99
101)	1,4-Dichlorobenzene	12.315	146	203301	9.788	ug/L	99
102)	p-Diethylbenzene	12.524	119	210713	10.256	ug/L	97
103)	n-Butylbenzene	12.582	91	313899	10.602	ug/L	98
104)	1,2-Dichlorobenzene	12.736	146	178082	9.856	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.316	119	282475	10.209	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.516	155	9449	9.414	ug/L	93
108)	Hexachlorobutadiene	14.119	225	37725	11.409	ug/L	98
109)	1,2,4-Trichlorobenzene	14.141	180	85379	10.067	ug/L	98
110)	Naphthalene	14.434	128	188775	10.024	ug/L	100
111)	1,2,3-Trichlorobenzene	14.601	180	70919	10.122	ug/L	99

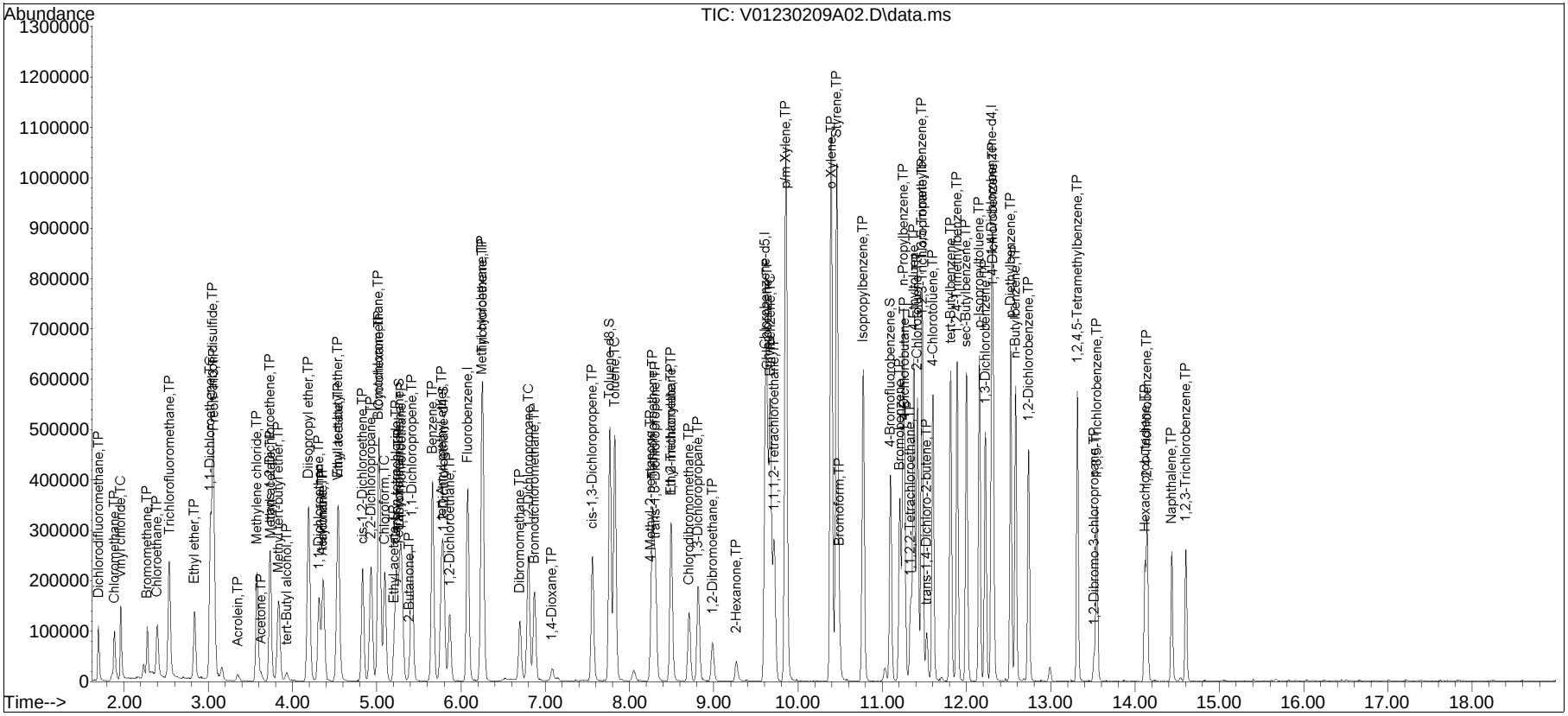
(#) = qualifier out of range (m) = manual integration (+) = signals summed

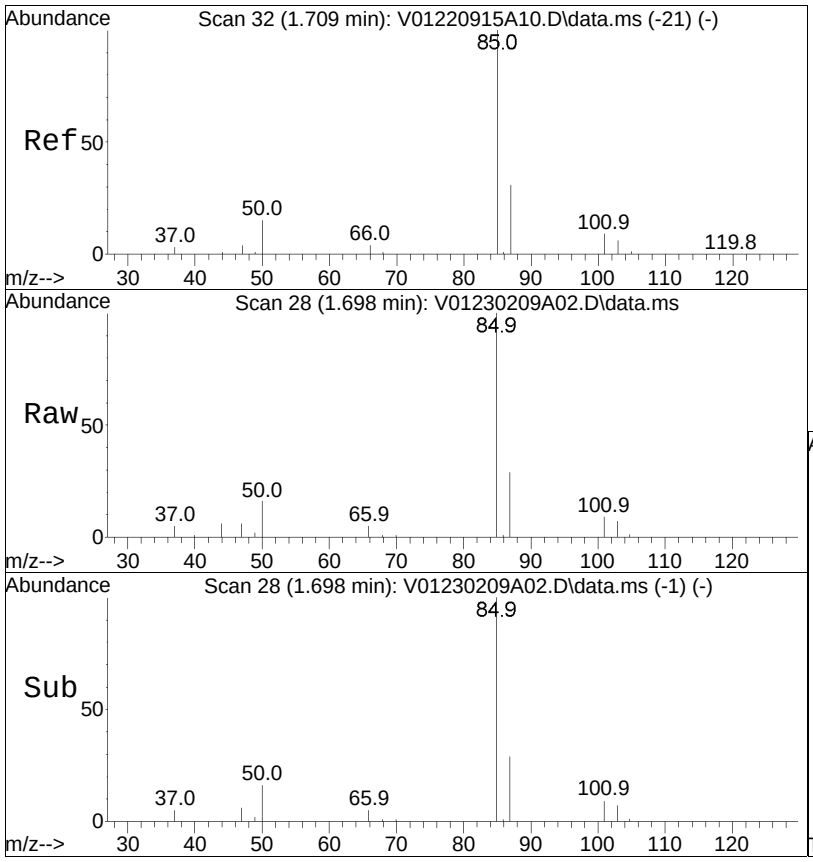
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2023\230209A\
Data File : V01230209A02.D
Acq On : 9 Feb 2023 7:10 am
Operator : VOA101:PID
Sample : WG1742861-4,31,10,10,,
Misc : WG1742861,ICAL19605
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 09 07:34:14 2023
Quant Method : I:\VOLATILES\VOA101\2023\230209A\V101_221216A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Sat Dec 17 10:24:18 2022
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

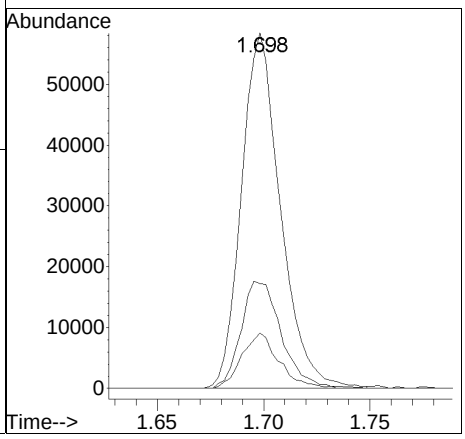


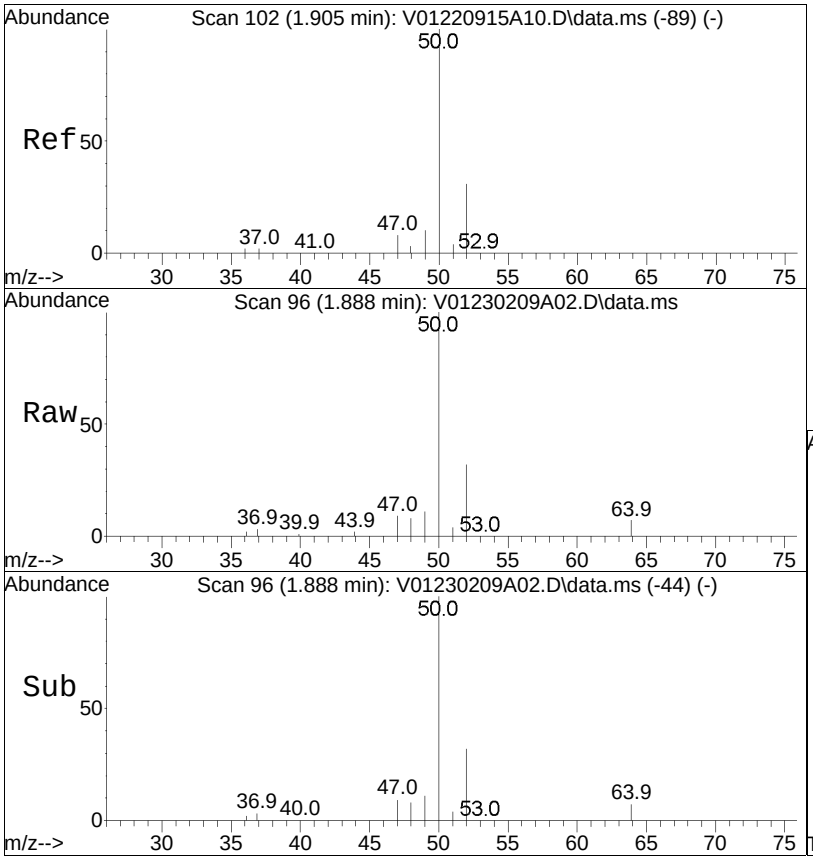


#2
Dichlorodifluoromethane
Concen: 8.67 ug/L
RT: 1.698 min Scan# 28
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 85 Resp: 74574

Ion	Ratio	Lower	Upper
85	100		
87	31.3	20.9	43.5
50	14.9	9.1	18.9

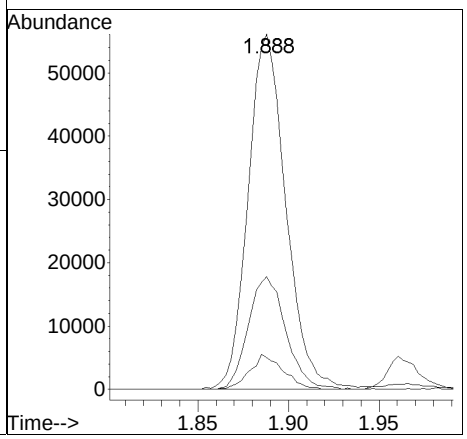


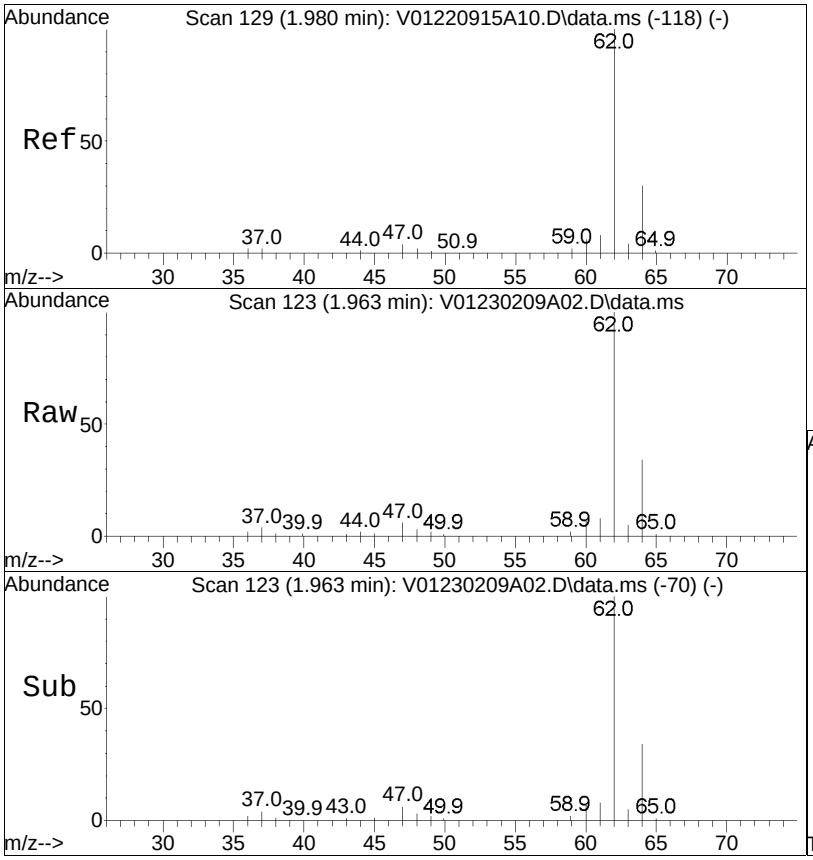


#3
Chloromethane
Concen: 8.14 ug/L
RT: 1.888 min Scan# 96
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 50 Resp: 81521

Ion	Ratio	Lower	Upper
50	100		
52	31.5	12.8	52.8
47	8.7	0.0	28.3

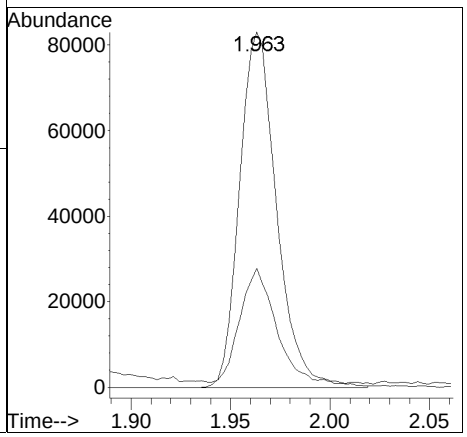


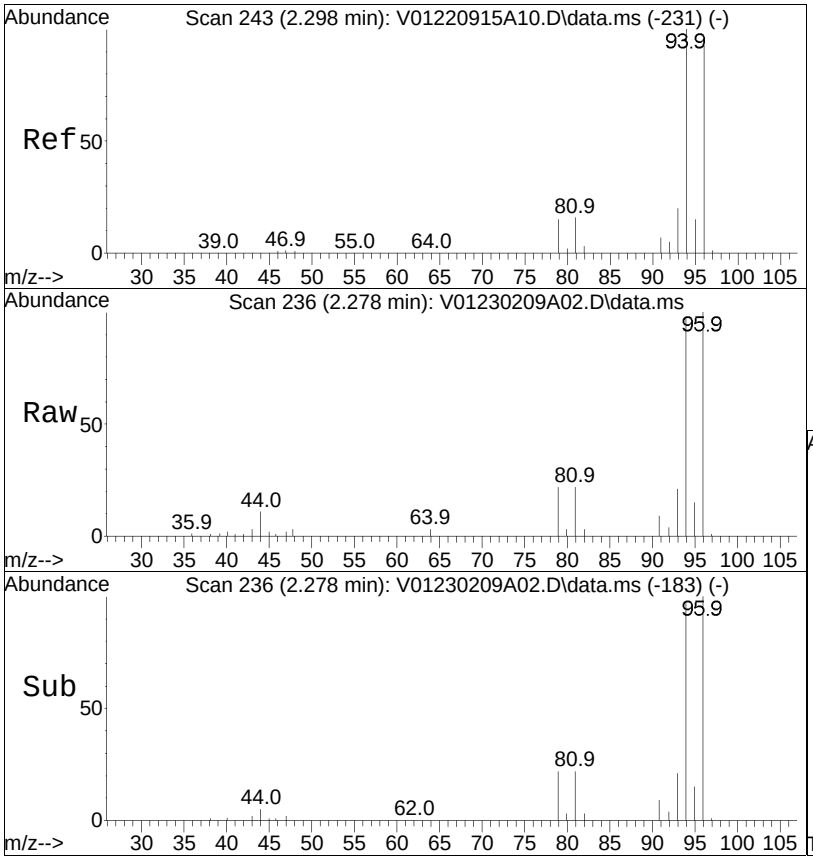


#4
Vinyl chloride
Concen: 7.66 ug/L
RT: 1.963 min Scan# 123
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 62 Resp: 107361

Ion	Ratio	Lower	Upper
62	100		
64	31.5	10.8	50.8

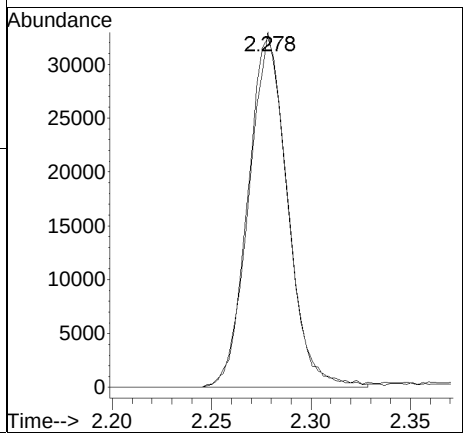


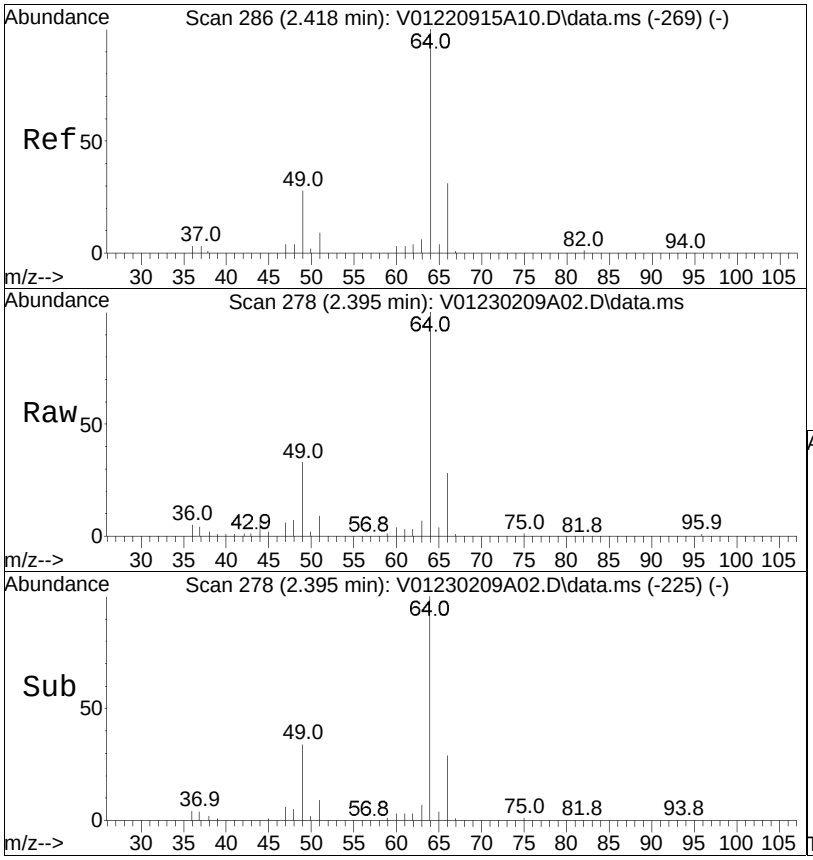


#5
Bromomethane
Concen: 4.77 ug/L
RT: 2.278 min Scan# 236
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 94 Resp: 45569

Ion	Ratio	Lower	Upper
94	100		
96	96.9	73.6	113.6

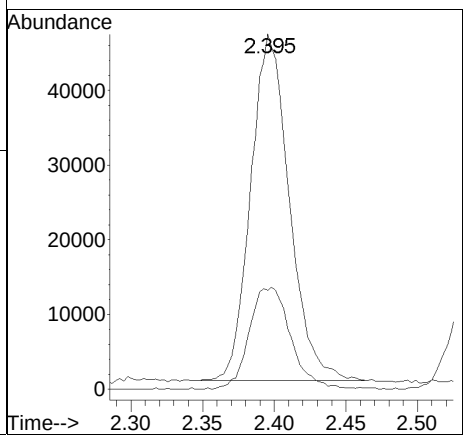


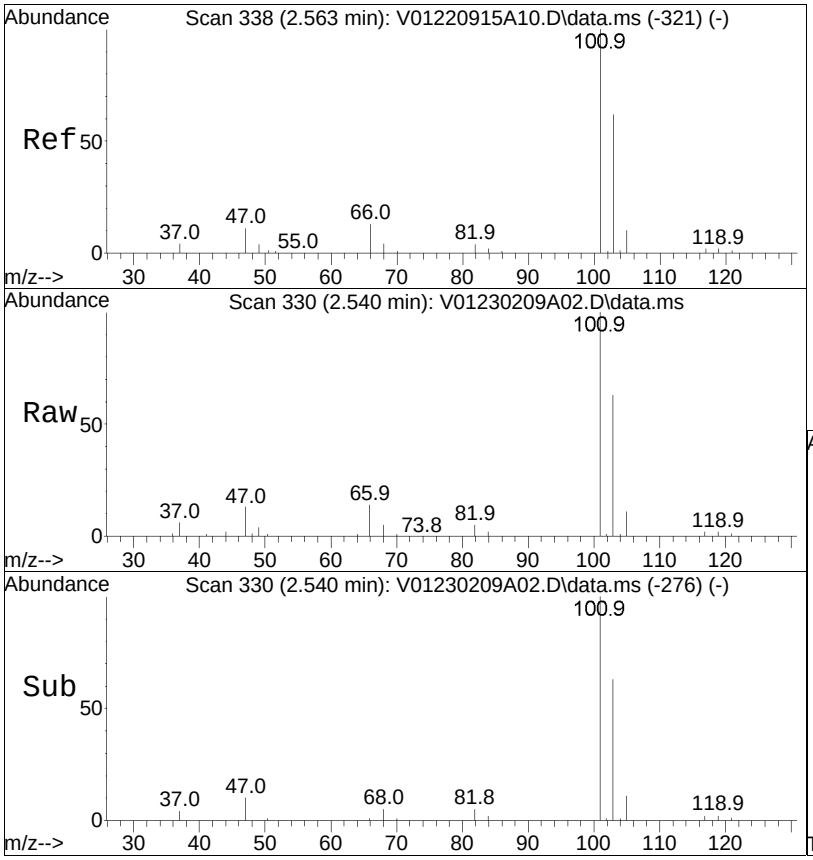


#6
Chloroethane
Concen: 7.63 ug/L
RT: 2.395 min Scan# 278
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 64 Resp: 87134

Ion	Ratio	Lower	Upper
64	100		
66	31.6	12.7	52.7

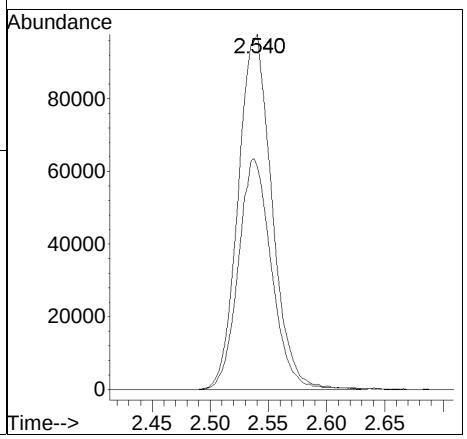


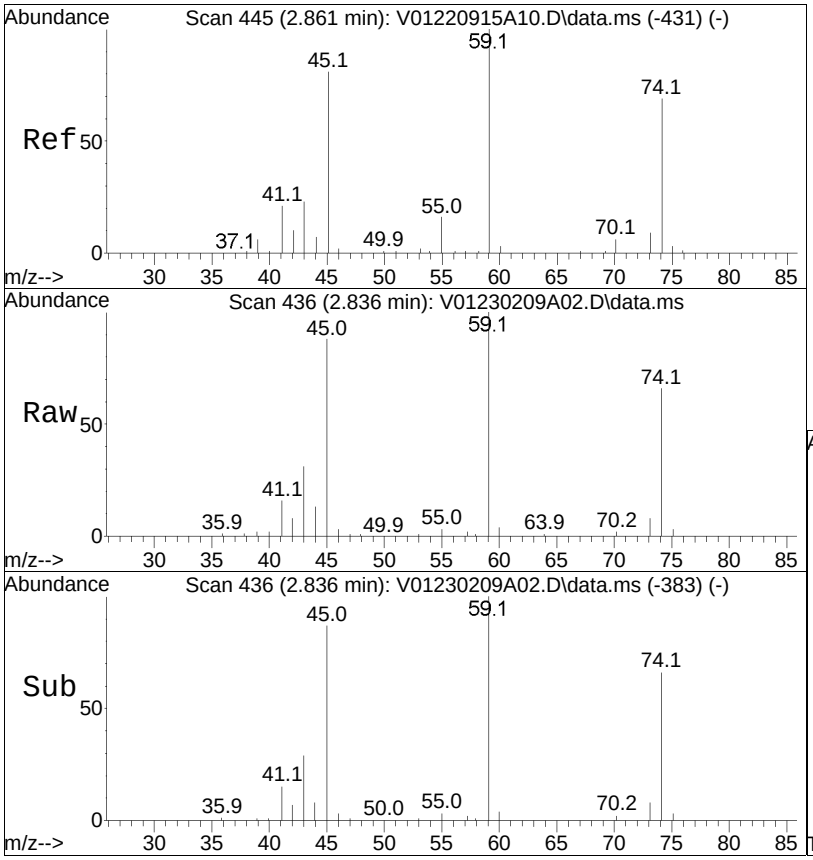


#7
Trichlorofluoromethane
Concen: 8.12 ug/L
RT: 2.540 min Scan# 330
Delta R.T. -0.001 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:101 Resp: 197359

Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.3	78.5

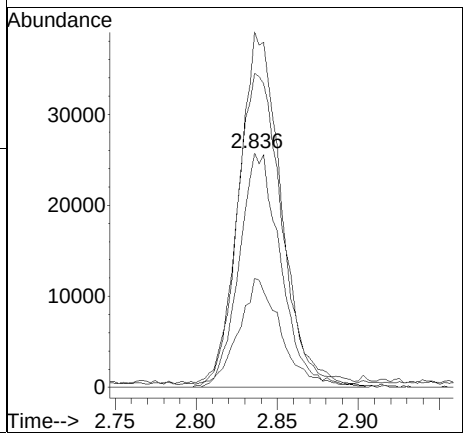


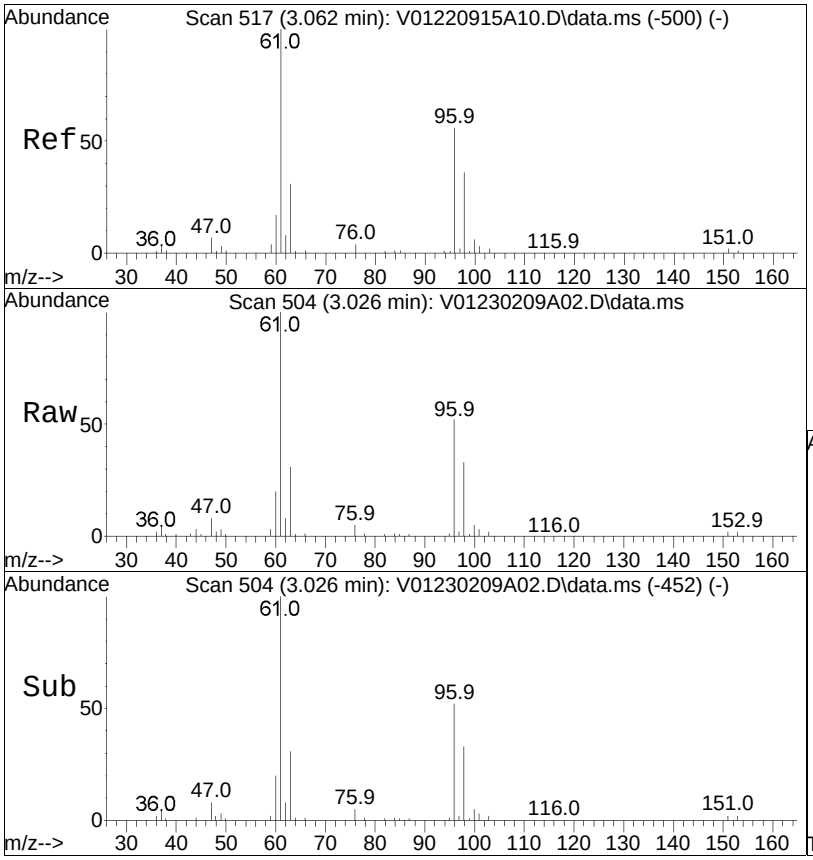


#8
Ethyl ether
Concen: 7.92 ug/L
RT: 2.836 min Scan# 436
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 74 Resp: 45844

Ion	Ratio	Lower	Upper
74	100		
59	154.4	88.1	182.9
45	139.3	66.1	137.3#
43	45.6	19.7	40.9#

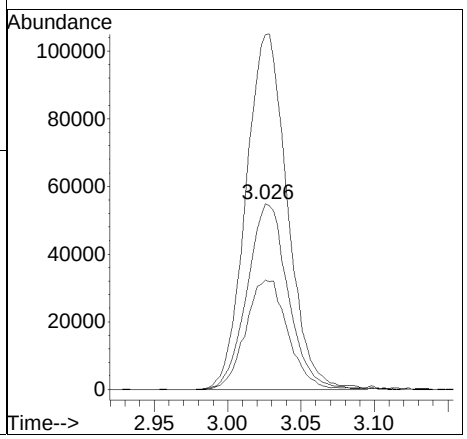


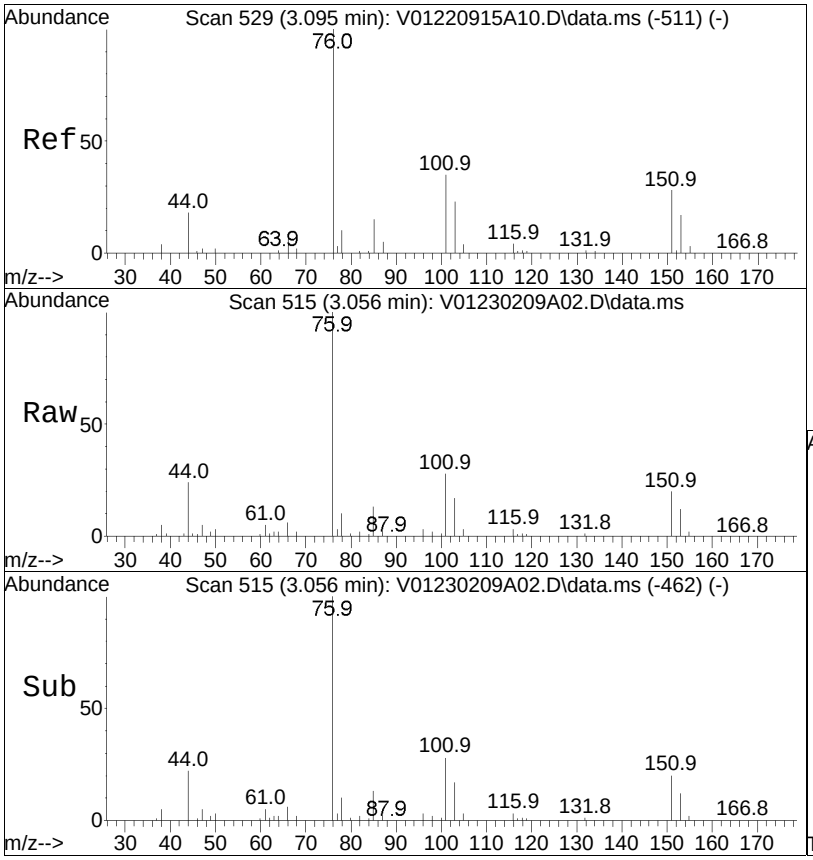


#10
1,1-Dichloroethene
Concen: 7.81 ug/L
RT: 3.026 min Scan# 504
Delta R.T. -0.005 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 96 Resp: 106500

Ion	Ratio	Lower	Upper
96	100		
61	192.5	136.8	205.2
63	60.9	43.6	65.4

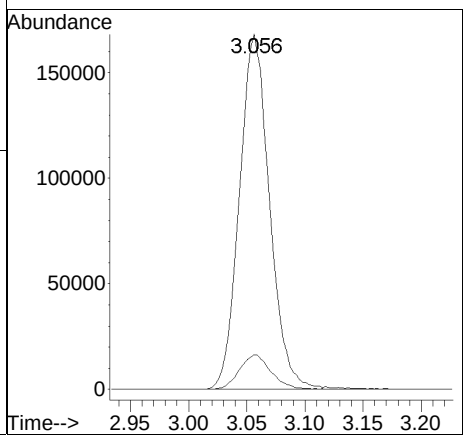


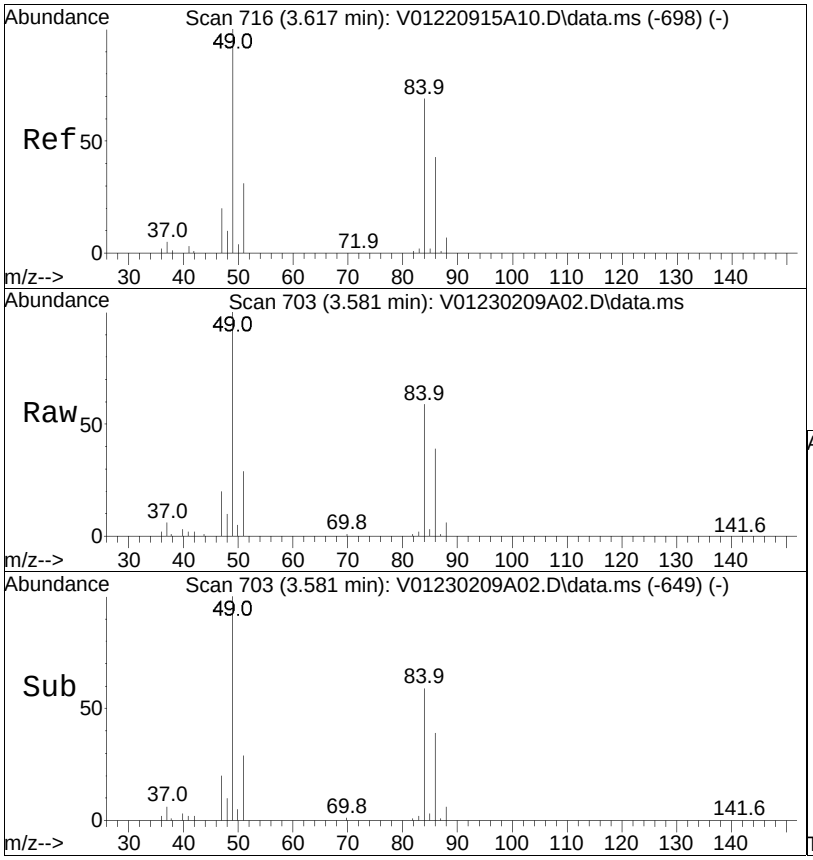


#11
Carbon disulfide
Concen: 12.16 ug/L
RT: 3.056 min Scan# 515
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 76 Resp: 304533

Ion	Ratio	Lower	Upper
76	100		
78	10.2	6.6	13.8

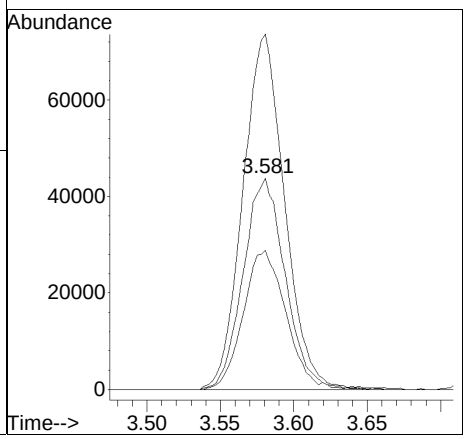


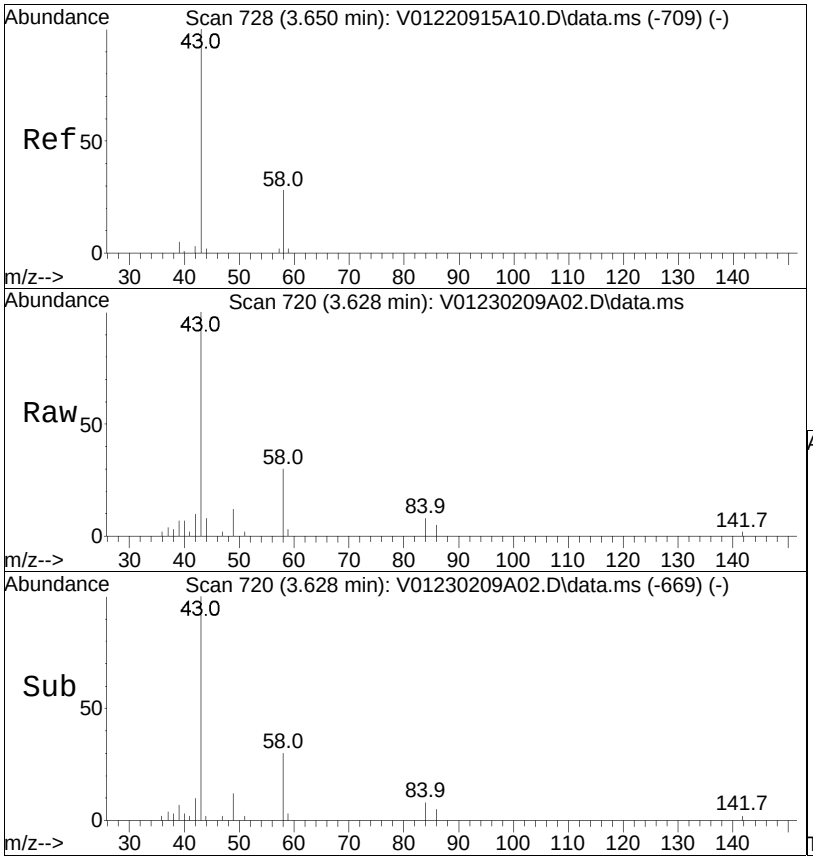


#15
Methylene chloride
Concen: 9.84 ug/L
RT: 3.581 min Scan# 703
Delta R.T. -0.000 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 84 Resp: 87202

Ion	Ratio	Lower	Upper
84	100		
86	66.8	41.7	86.7
49	166.9	89.1	185.1

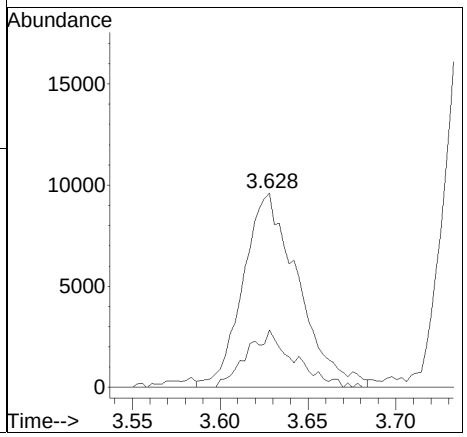


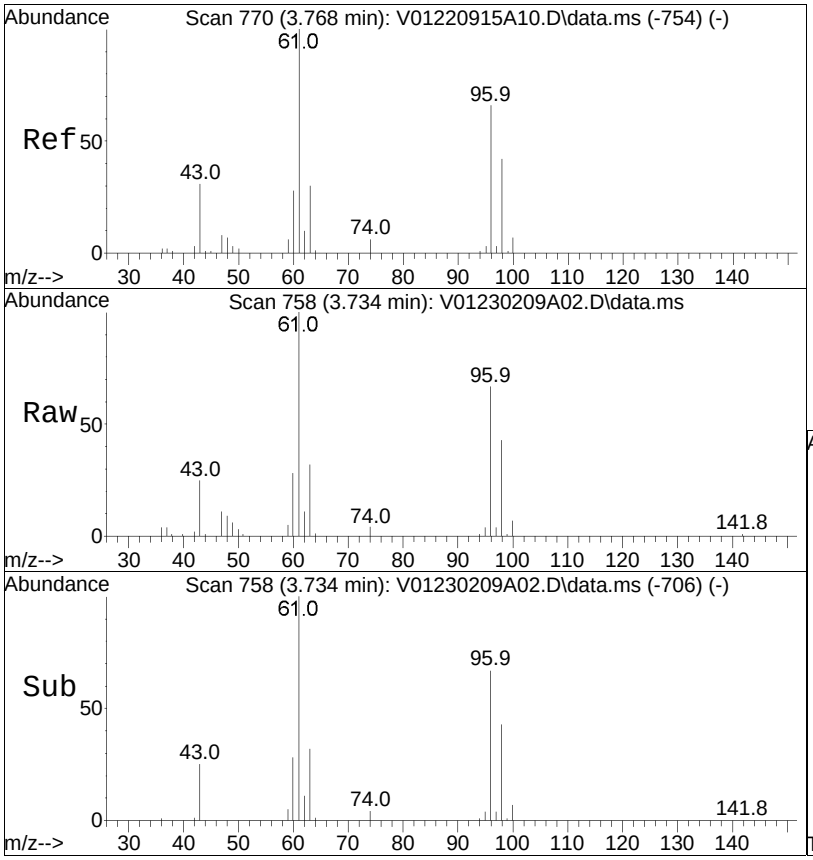


#17
Acetone
Concen: 11.71 ug/L M1
RT: 3.628 min Scan# 720
Delta R.T. -0.008 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 43 Resp: 20975

Ion	Ratio	Lower	Upper
43	100		
58	25.6	25.9	38.9#

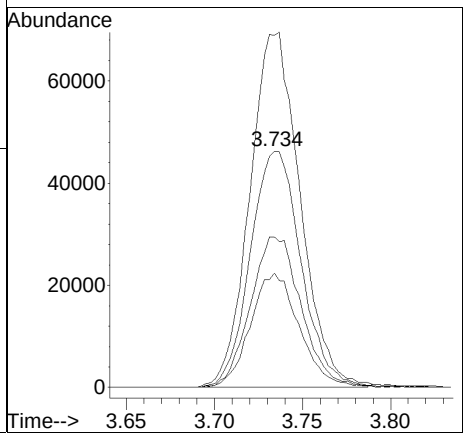


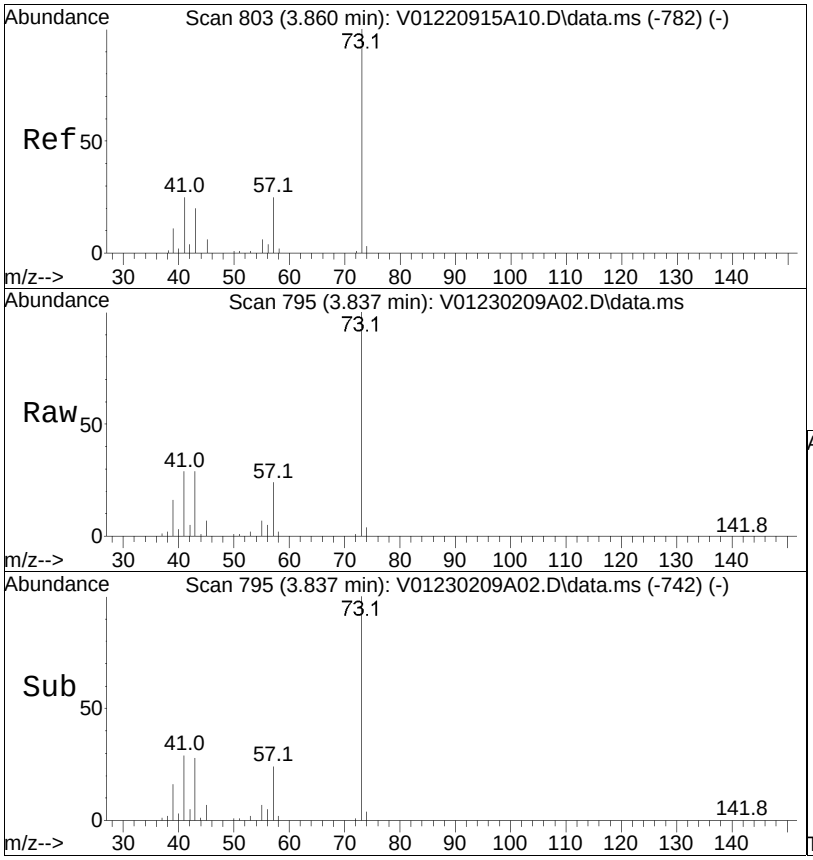


#18
trans-1,2-Dichloroethene
Concen: 10.09 ug/L
RT: 3.734 min Scan# 758
Delta R.T. -0.006 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 96 Resp: 92781

Ion	Ratio	Lower	Upper
96	100		
61	149.5	95.3	197.9
98	63.7	41.0	85.2
63	46.6	30.2	62.6

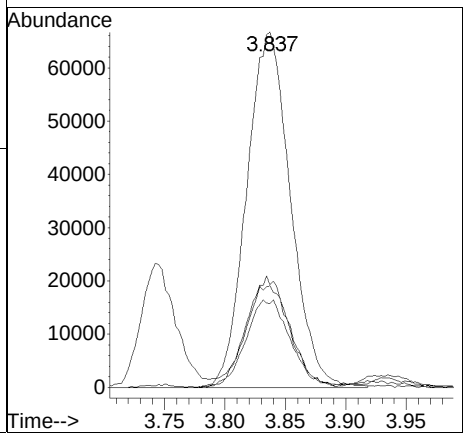


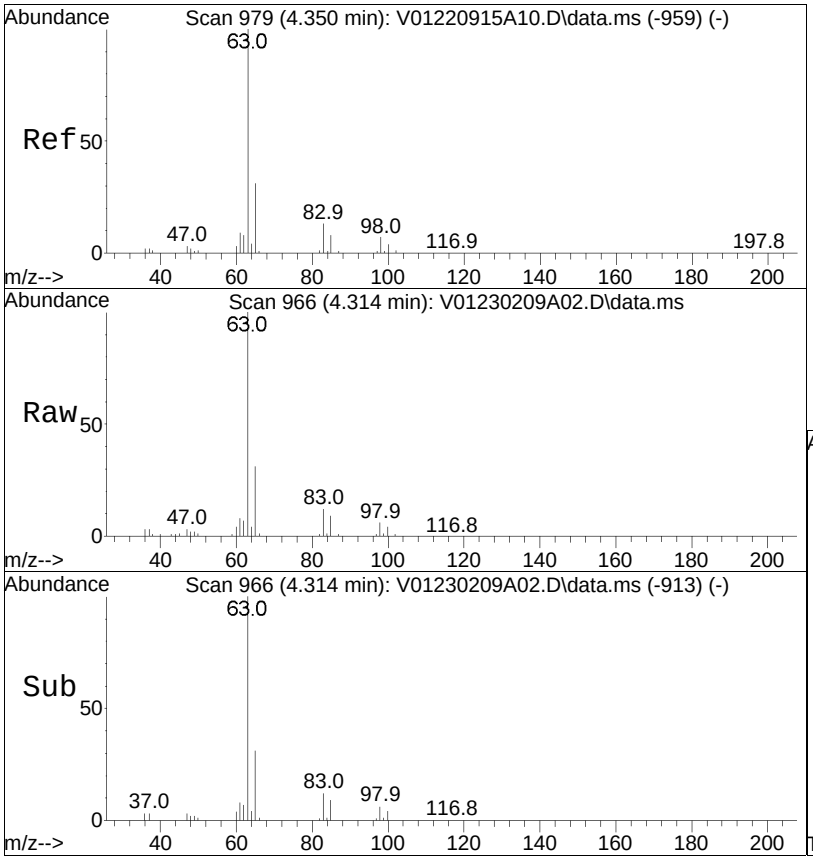


#20
Methyl tert-butyl ether
Concen: 9.96 ug/L
RT: 3.837 min Scan# 795
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 73 Resp: 168333

Ion	Ratio	Lower	Upper
73	100		
57	24.9	14.8	30.6
43	27.8	15.5	32.3
41	30.8	14.1	29.3#

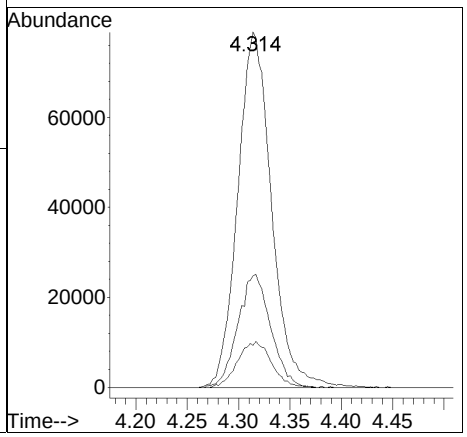


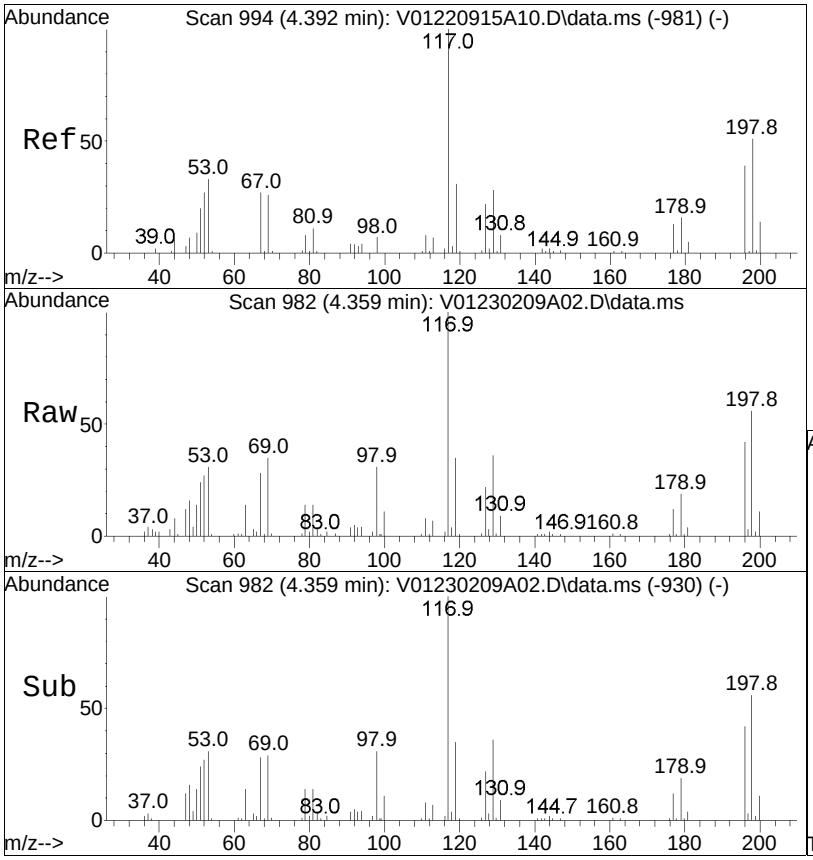


#23
1,1-Dichloroethane
Concen: 10.55 ug/L
RT: 4.314 min Scan# 966
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 63 Resp: 180650

Ion	Ratio	Lower	Upper
63	100		
65	30.9	10.9	50.9
83	12.9	0.0	33.0

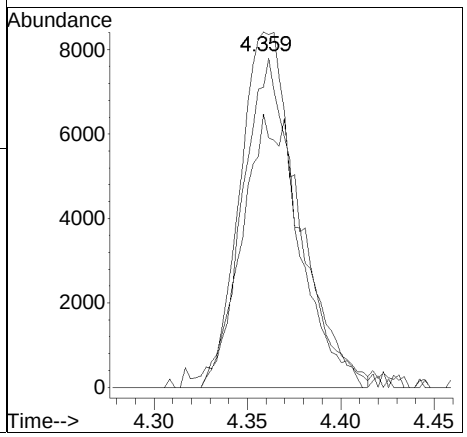


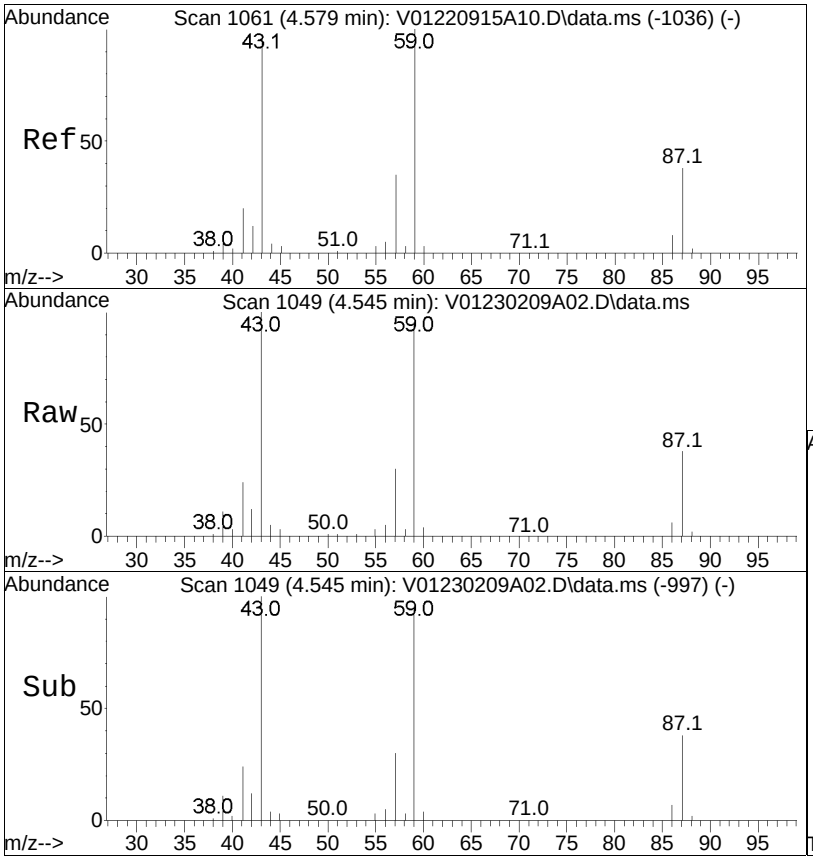


#25
Acrylonitrile
Concen: 10.69 ug/L
RT: 4.359 min Scan# 982
Delta R.T. -0.005 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 53 Resp: 18534

Ion	Ratio	Lower	Upper
53	100		
52	85.0	69.1	103.7
51	78.5	58.3	87.5

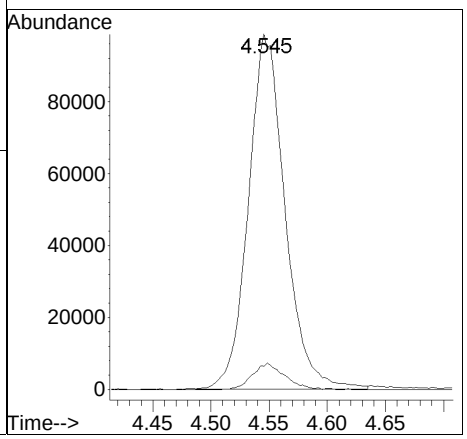


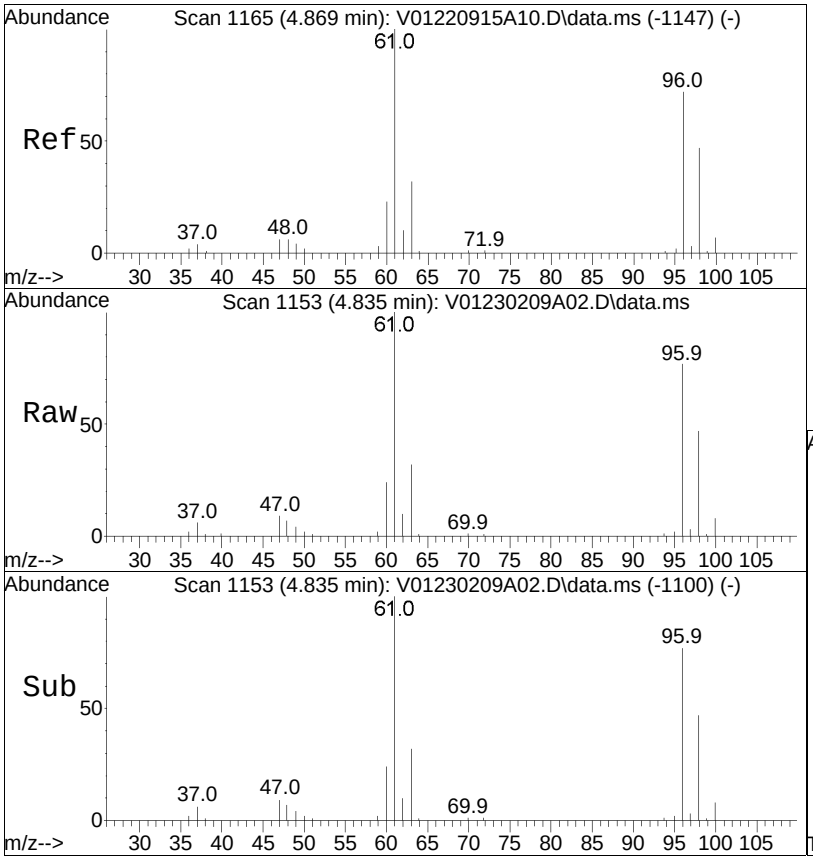


#27
Vinyl acetate
Concen: 12.39 ug/L
RT: 4.545 min Scan# 1049
Delta R.T. -0.006 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 43 Resp: 215568

Ion	Ratio	Lower	Upper
43	100		
86	6.5	6.6	9.8#

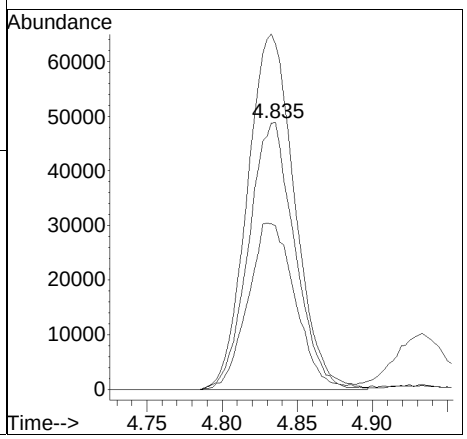


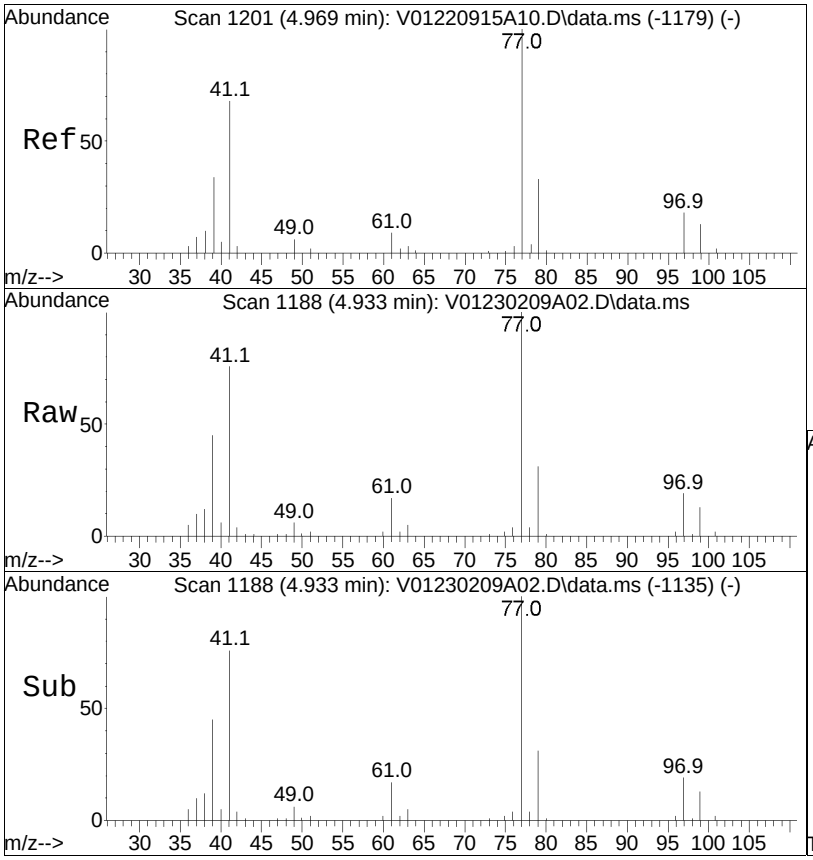


#28
cis-1,2-Dichloroethene
Concen: 10.21 ug/L
RT: 4.835 min Scan# 1153
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 96 Resp: 104202

Ion	Ratio	Lower	Upper
96	100		
61	136.6	105.8	158.6
98	63.9	51.1	76.7

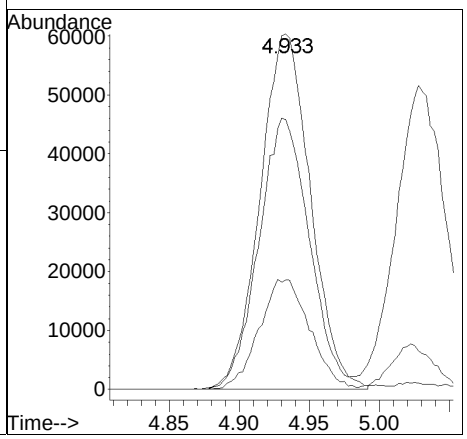


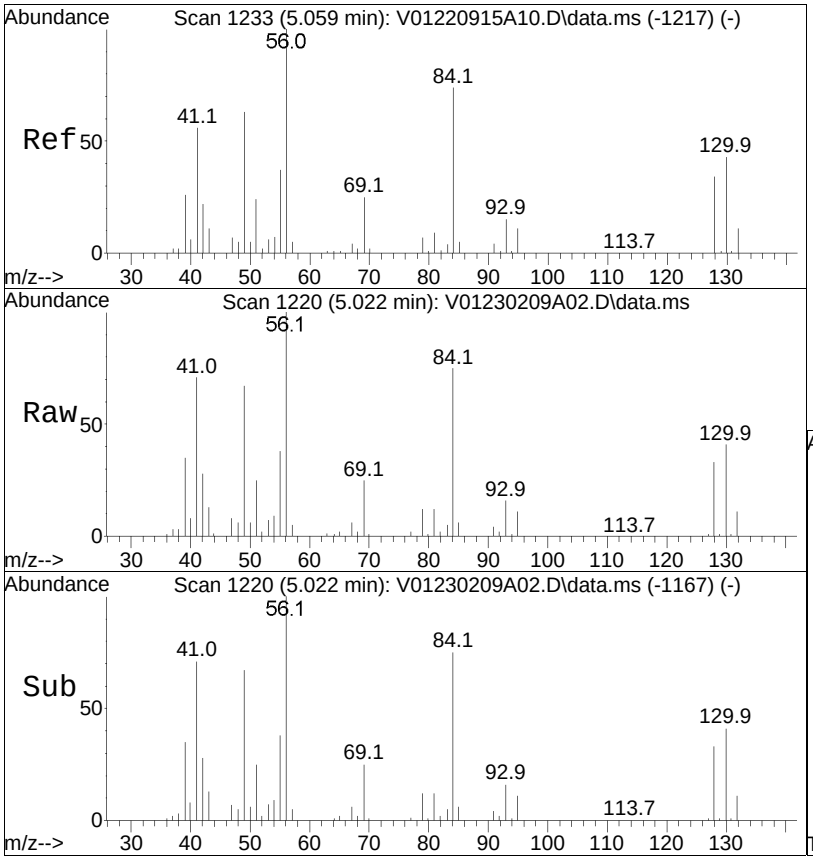


#29
2,2-Dichloropropane
Concen: 11.38 ug/L
RT: 4.933 min Scan# 1188
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 77 Resp: 151248

Ion	Ratio	Lower	Upper
77	100		
41	76.2	39.6	82.3
79	31.1	20.9	43.3

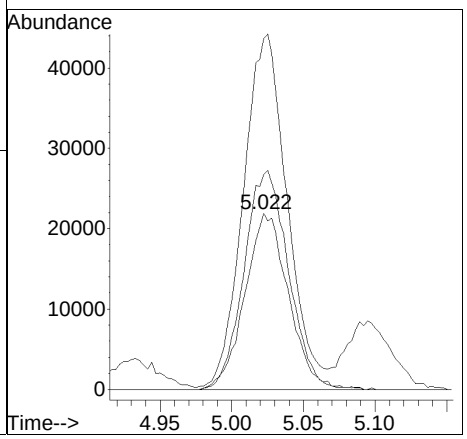


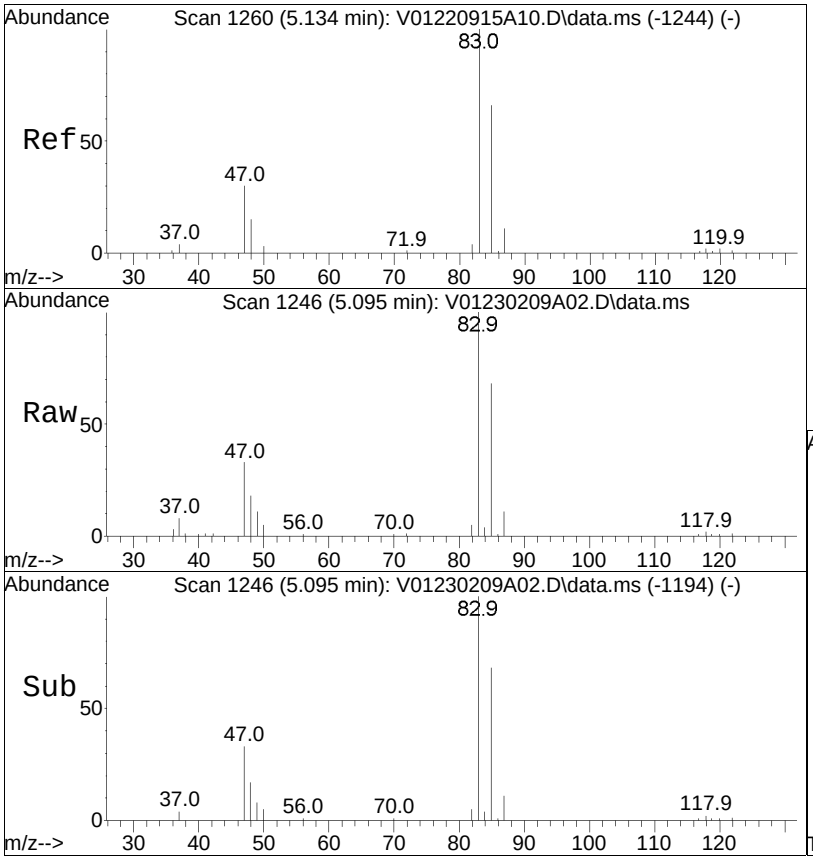


#30
Bromochloromethane
Concen: 9.69 ug/L
RT: 5.022 min Scan# 1220
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:128 Resp: 46196

Ion	Ratio	Lower	Upper
128	100		
49	204.0	140.4	210.6
130	127.6	103.1	154.7

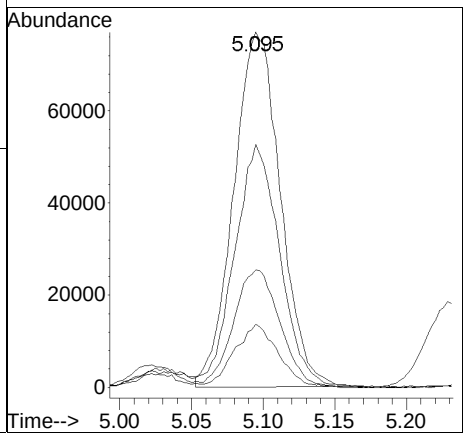


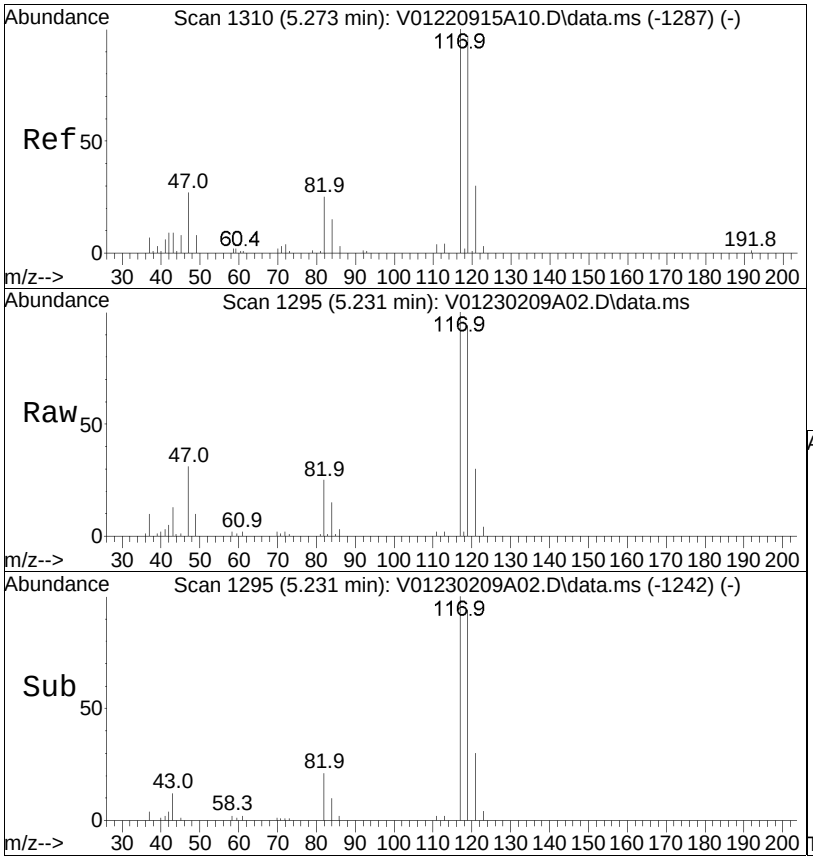


#32
Chloroform
Concen: 10.43 ug/L
RT: 5.095 min Scan# 1246
Delta R.T. -0.005 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 83 Resp: 174982

Ion	Ratio	Lower	Upper
83	100		
85	66.8	42.3	87.8
47	33.1	17.8	37.0
48	16.7	9.3	19.3

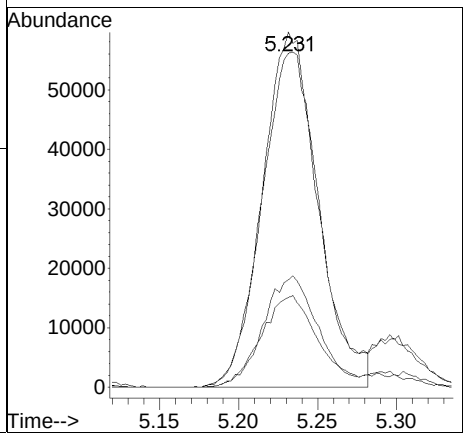


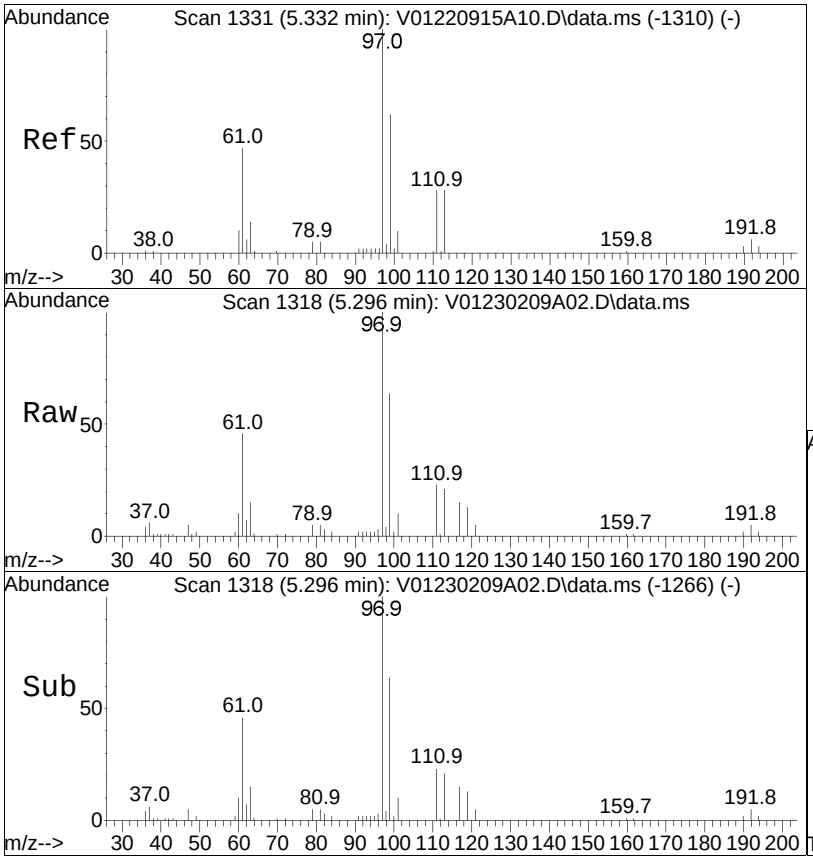


#34
Carbon tetrachloride
Concen: 11.81 ug/L
RT: 5.231 min Scan# 1295
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:117 Resp: 147363

Ion	Ratio	Lower	Upper
117	100		
119	95.2	62.1	128.9
121	30.9	19.8	41.0
82	26.1	17.1	35.5

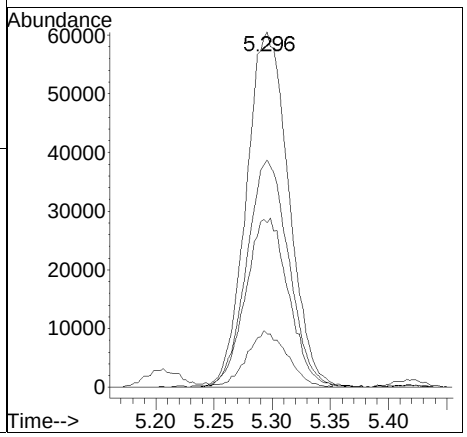


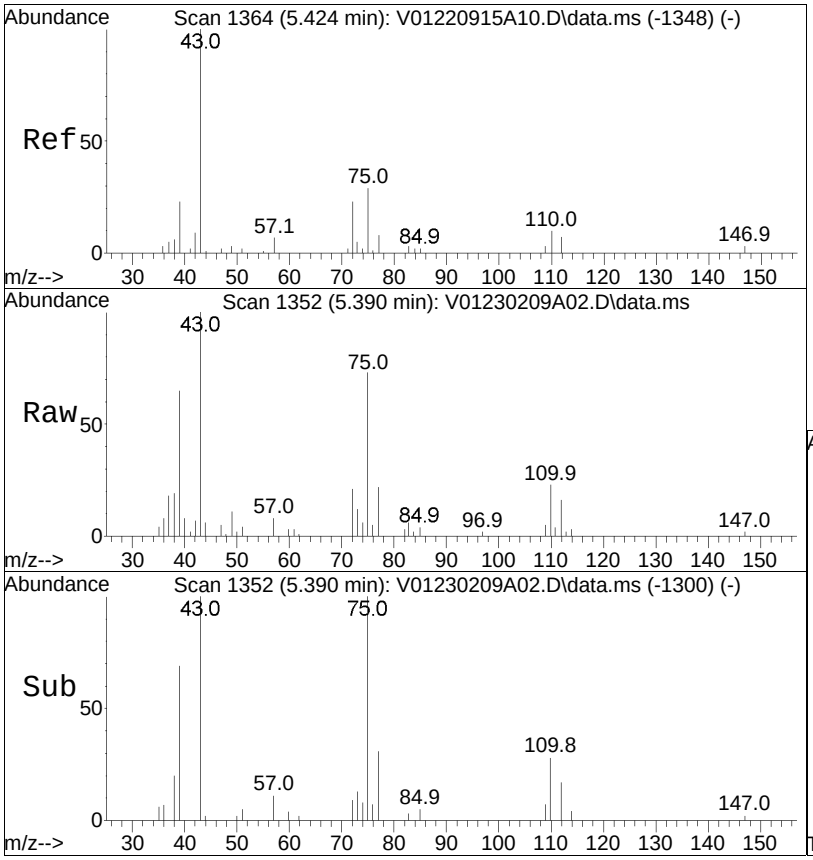


#37
1,1,1-Trichloroethane
Concen: 10.93 ug/L
RT: 5.296 min Scan# 1318
Delta R.T. -0.005 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 97 Resp: 153962

Ion	Ratio	Lower	Upper
97	100		
99	63.5	41.7	86.7
61	48.5	29.4	61.2
63	15.5	9.4	19.4

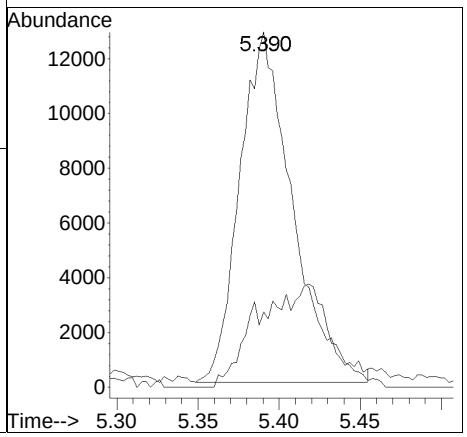


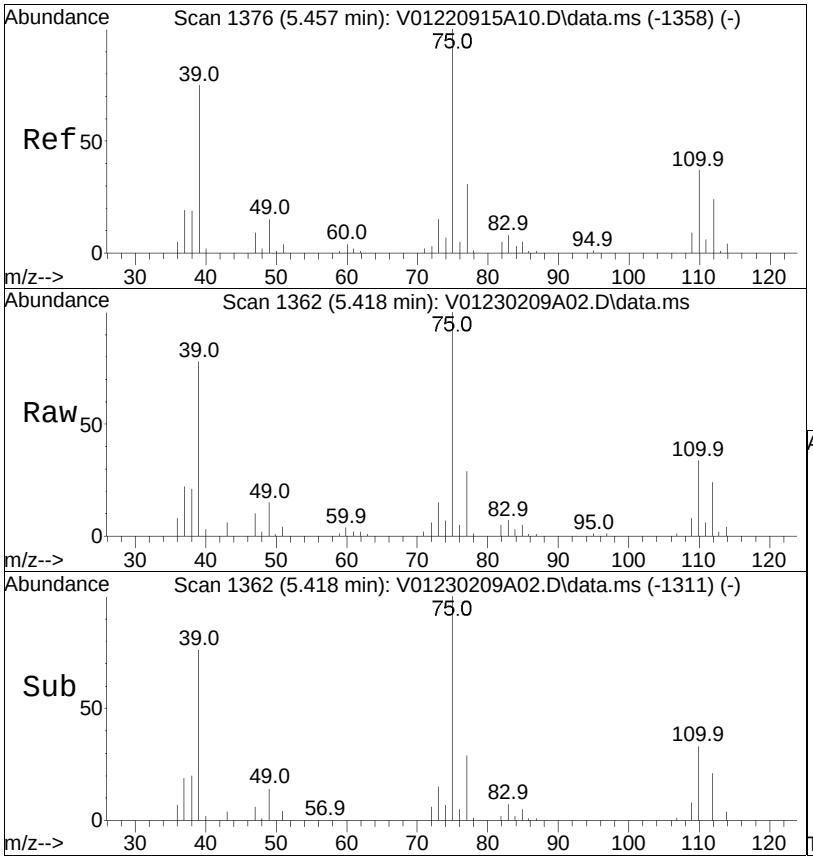


#39
2-Butanone
Concen: 12.25 ug/L
RT: 5.390 min Scan# 1352
Delta R.T. -0.006 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 43 Resp: 28857

Ion	Ratio	Lower	Upper
43	100		
72	8.5	45.8	68.6#

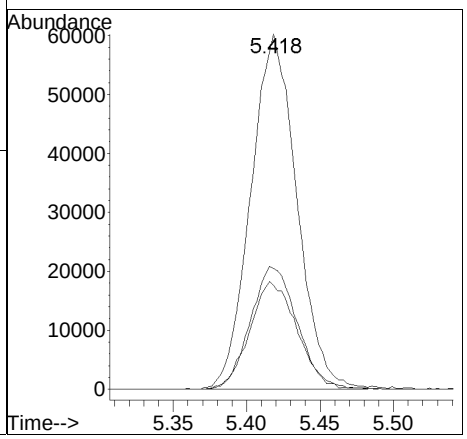


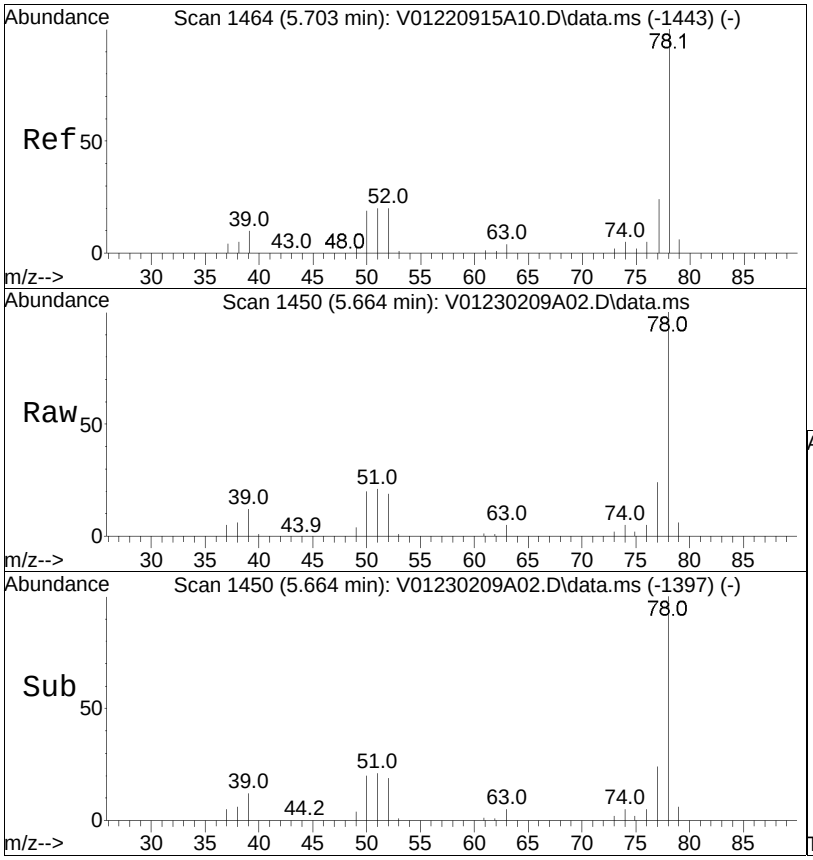


#40
1,1-Dichloropropene
Concen: 10.55 ug/L
RT: 5.418 min Scan# 1362
Delta R.T. -0.009 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 75 Resp: 131460

Ion	Ratio	Lower	Upper
75	100		
110	35.4	22.2	46.2
77	31.2	20.2	42.0

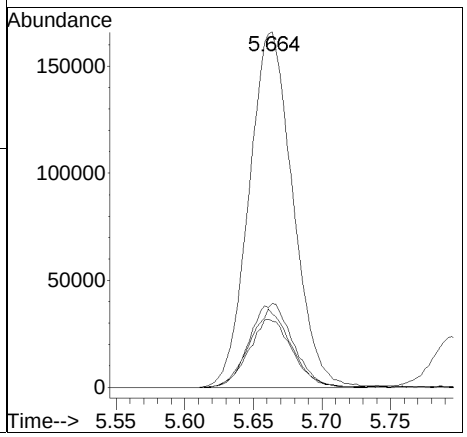


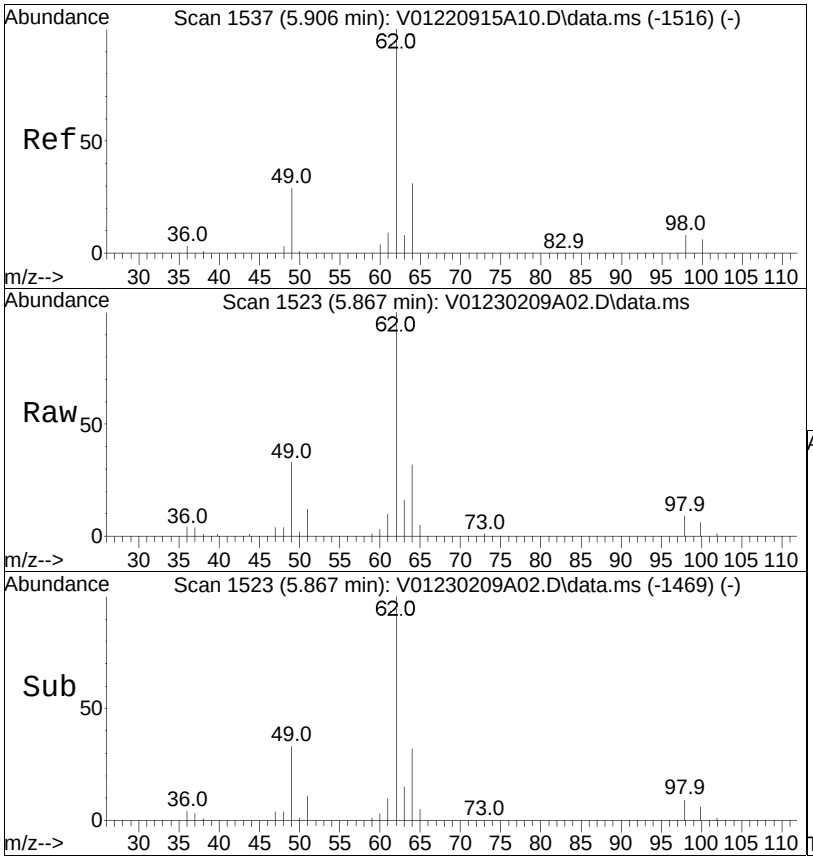


#41
Benzene
Concen: 9.55 ug/L
RT: 5.664 min Scan# 1450
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 78 Resp: 368648

Ion	Ratio	Lower	Upper
78	100		
77	23.9	15.7	32.5
51	20.9	11.6	24.2
52	19.1	10.9	22.5

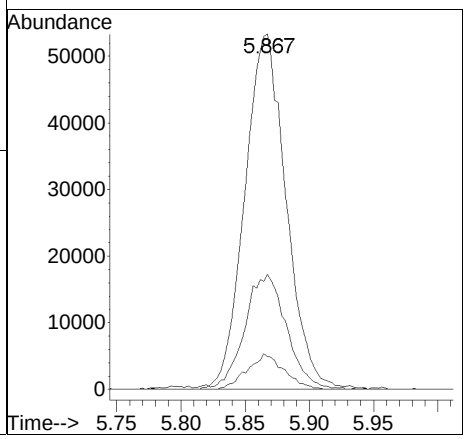


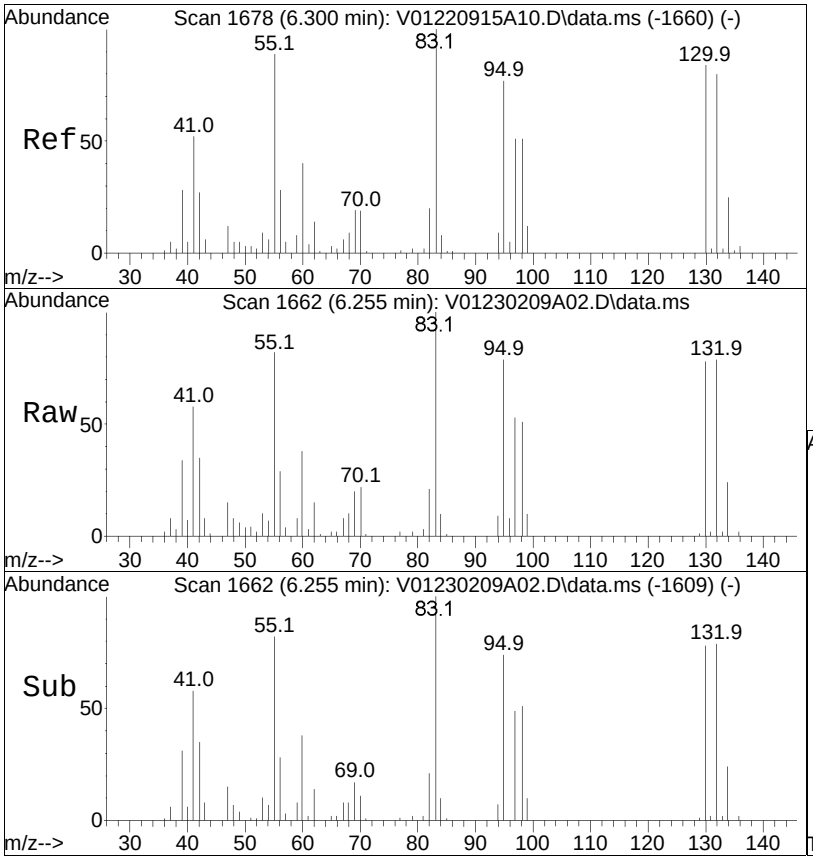


#44
1,2-Dichloroethane
Concen: 10.33 ug/L
RT: 5.867 min Scan# 1523
Delta R.T. 0.000 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 62 Resp: 119448

Ion	Ratio	Lower	Upper
62	100		
64	32.6	12.1	52.1
98	8.9	0.0	28.8

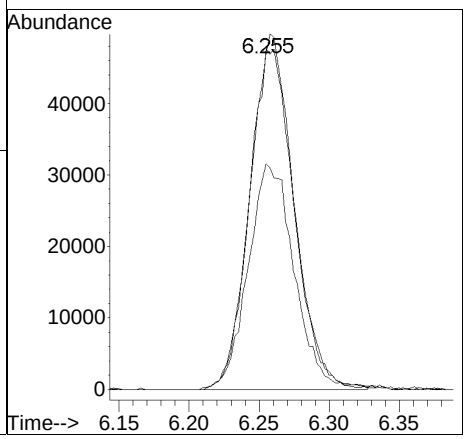


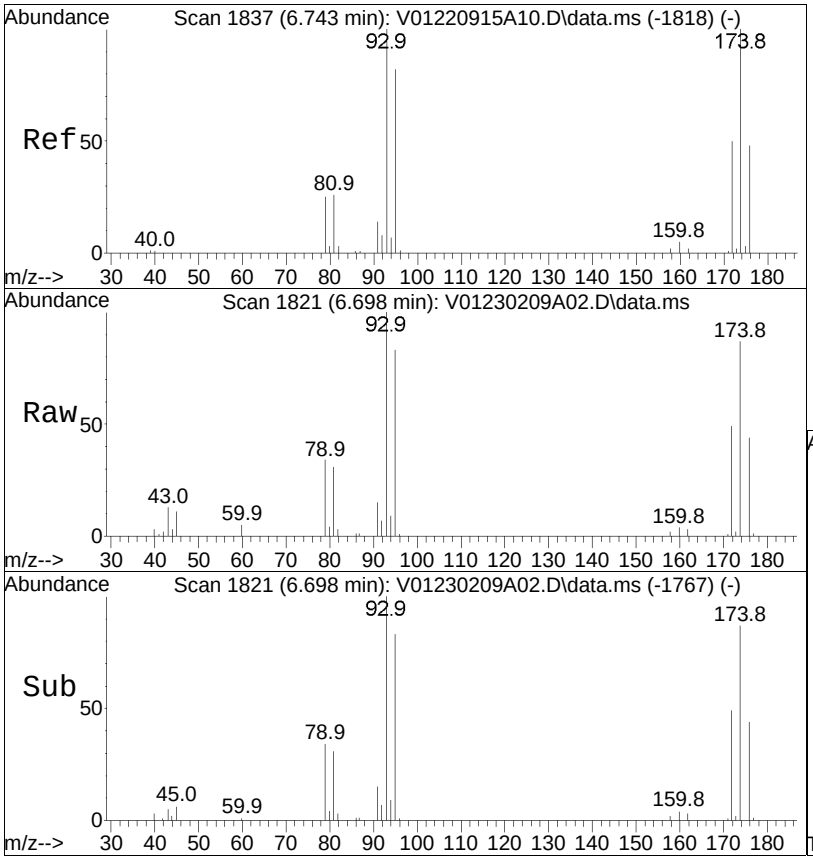


#48
Trichloroethene
Concen: 10.03 ug/L
RT: 6.255 min Scan# 1662
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 95 Resp: 106048

Ion	Ratio	Lower	Upper
95	100		
97	67.8	54.4	81.6
130	102.2	80.6	120.8

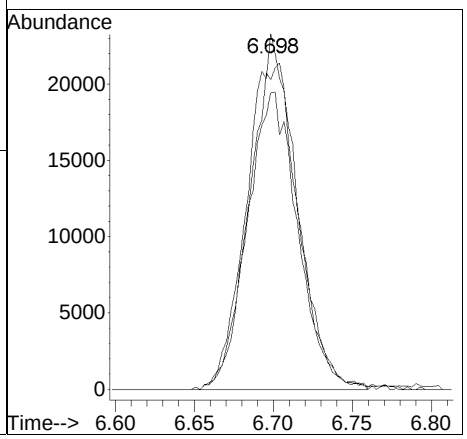


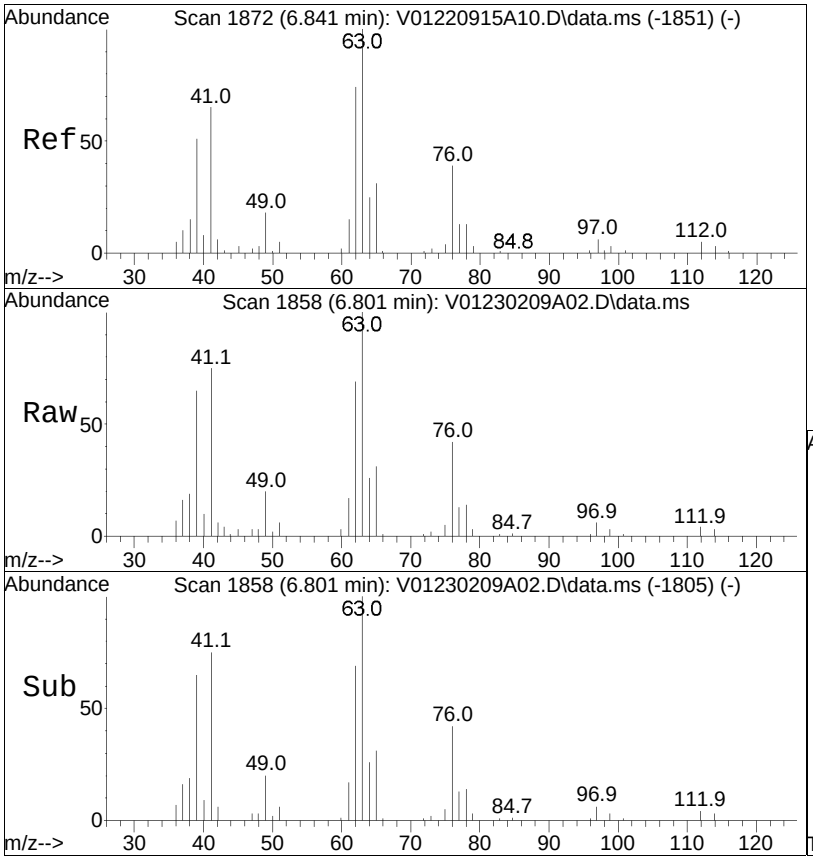


#50
Dibromomethane
Concen: 9.85 ug/L
RT: 6.698 min Scan# 1821
Delta R.T. 0.000 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 93 Resp: 50489

Ion	Ratio	Lower	Upper
93	100		
95	86.2	68.6	102.8
174	93.4	80.5	120.7

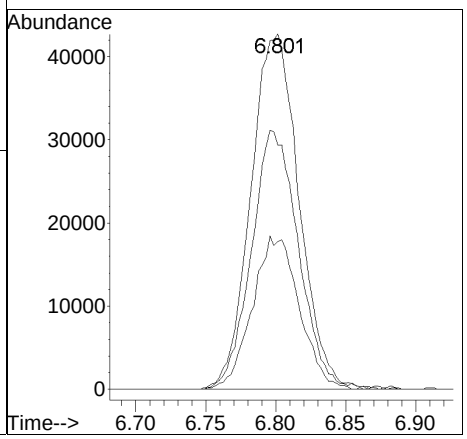


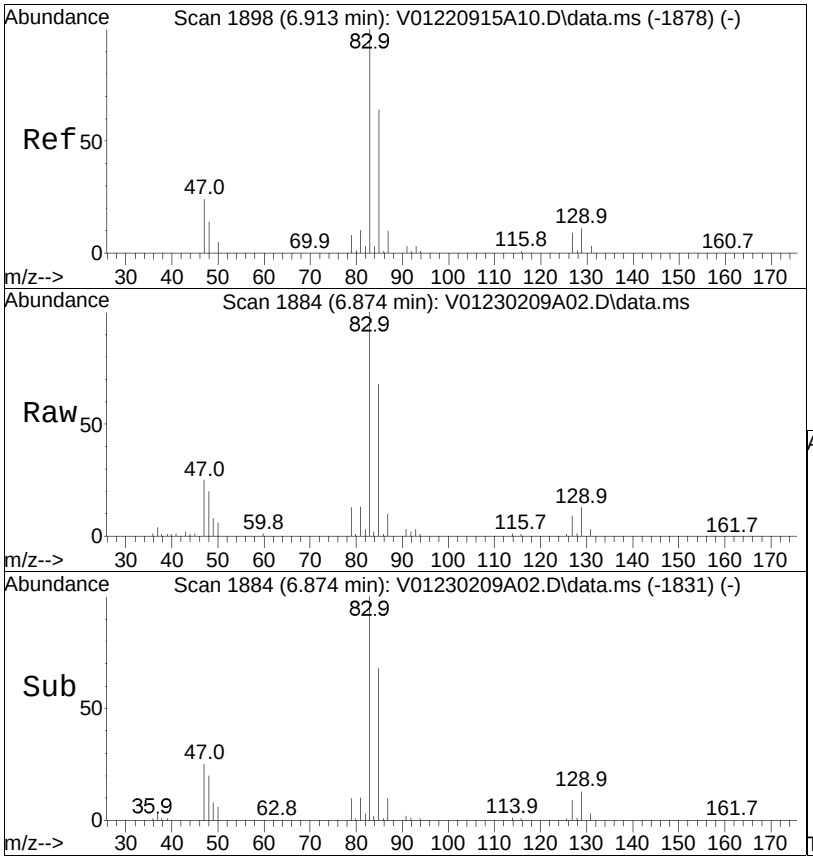


#51
1,2-Dichloropropane
Concen: 10.98 ug/L
RT: 6.801 min Scan# 1858
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 63 Resp: 102459

Ion	Ratio	Lower	Upper
63	100		
62	71.2	57.2	85.8
76	41.9	33.6	50.4

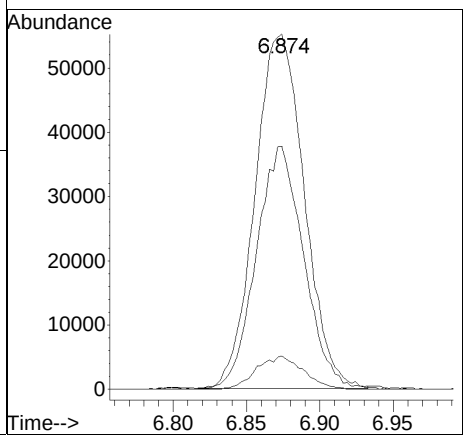


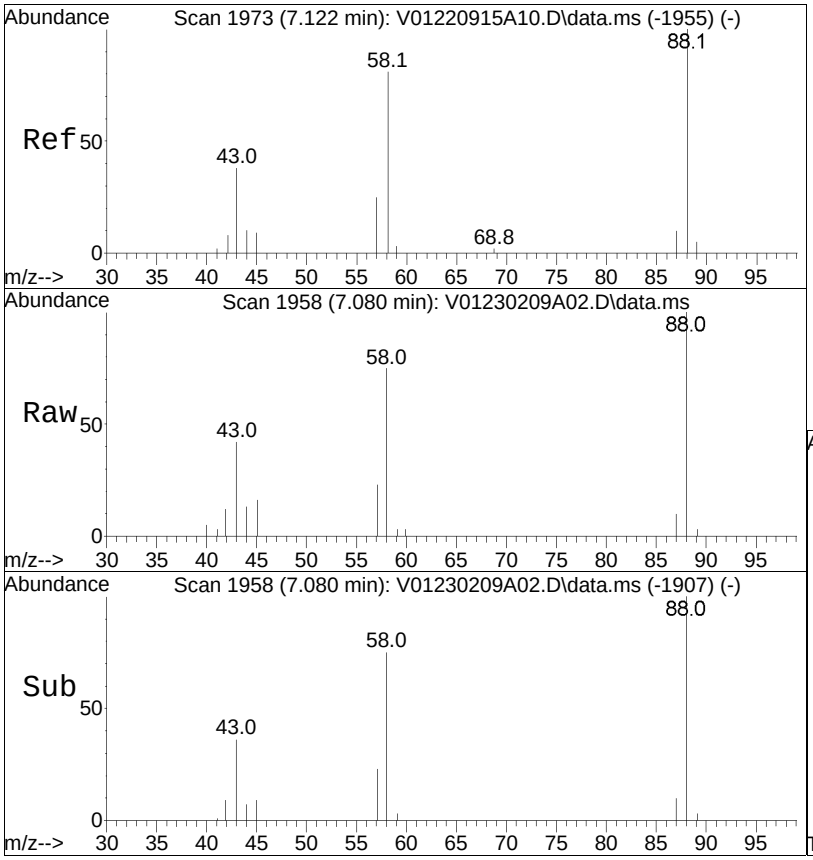


#54
Bromodichloromethane
Concen: 11.12 ug/L
RT: 6.874 min Scan# 1884
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 83 Resp: 128865

Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.2	78.4
127	9.0	6.9	10.3

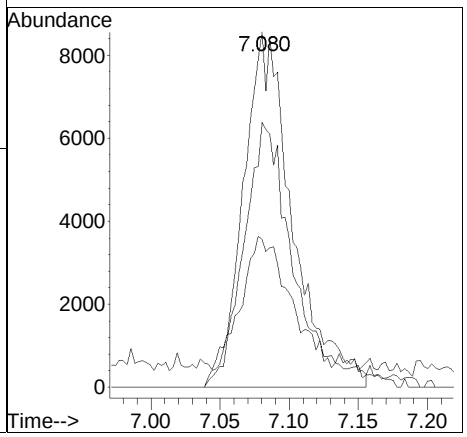


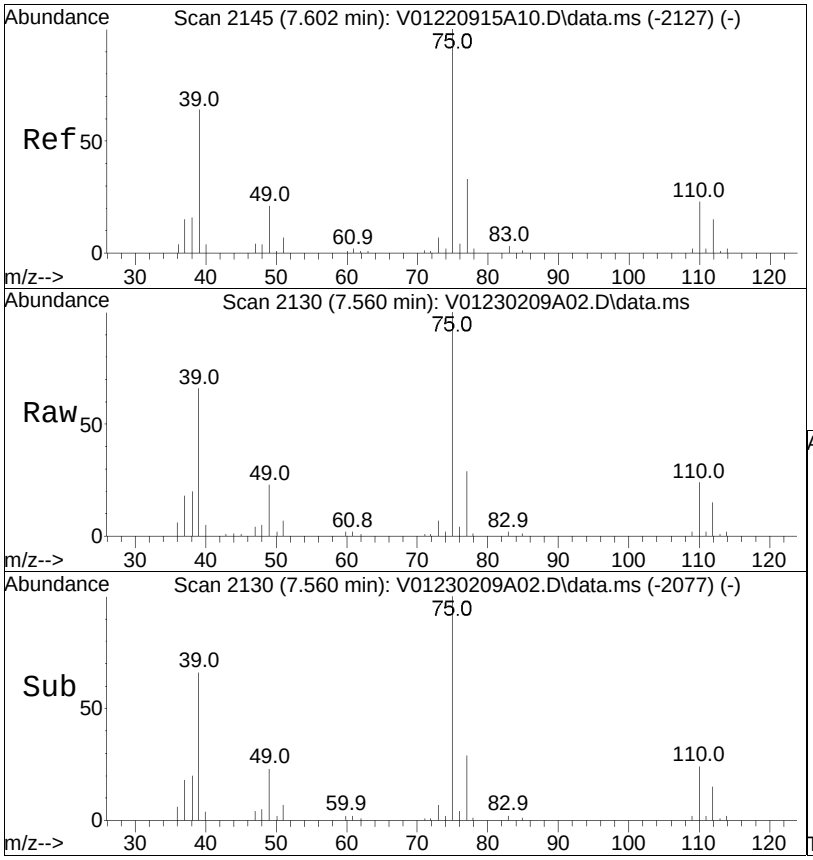


#57
1,4-Dioxane
Concen: 437.84 ug/L M1
RT: 7.080 min Scan# 1958
Delta R.T. -0.009 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 88 Resp: 21274

Ion	Ratio	Lower	Upper
88	100		
58	72.3	54.8	82.2
43	37.1	29.3	43.9

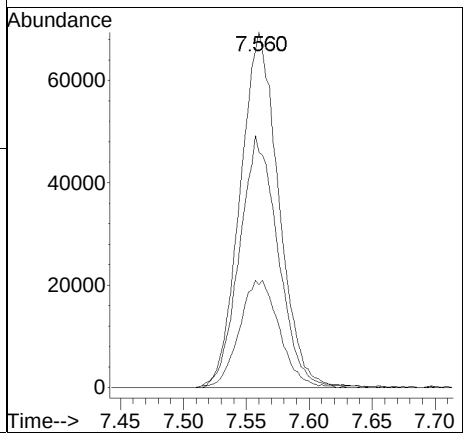


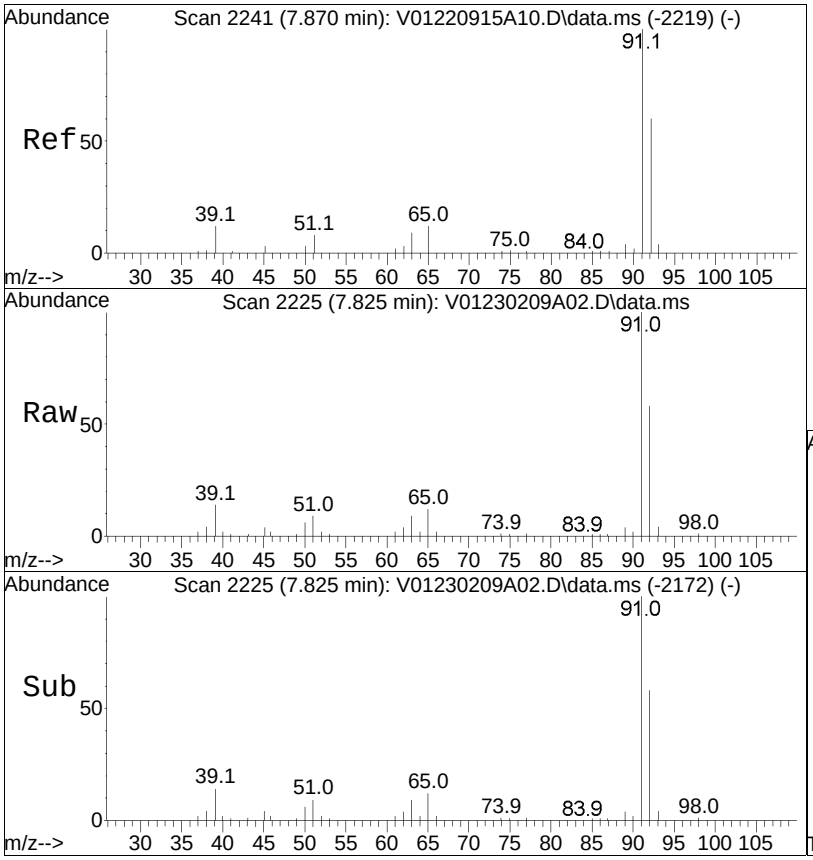


#58
cis-1,3-Dichloropropene
Concen: 10.97 ug/L
RT: 7.560 min Scan# 2130
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 75 Resp: 147938

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.1	37.7
39	71.1	42.6	63.8#

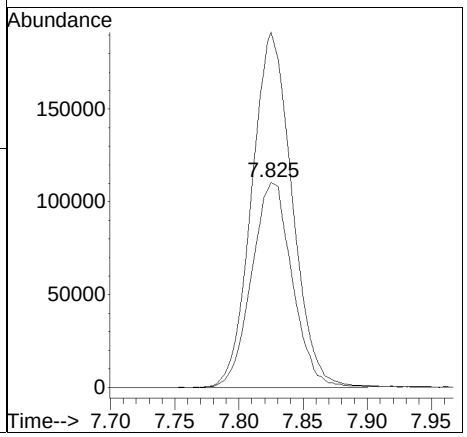


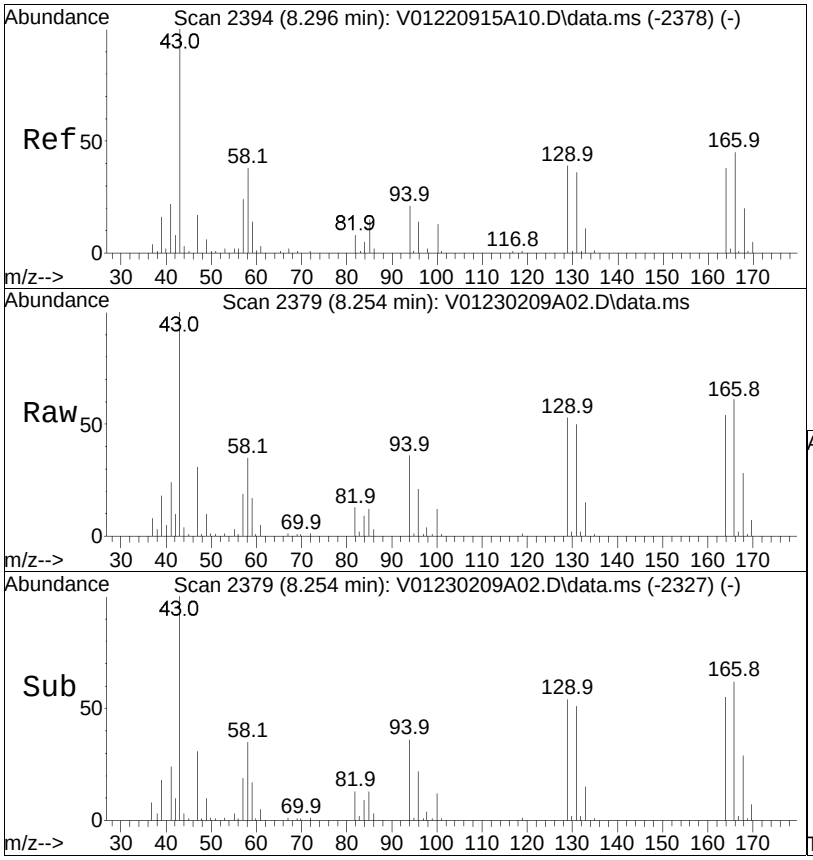


#61
Toluene
Concen: 10.00 ug/L
RT: 7.825 min Scan# 2225
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 92 Resp: 243221

Ion	Ratio	Lower	Upper
92	100		
91	172.2	137.5	206.3

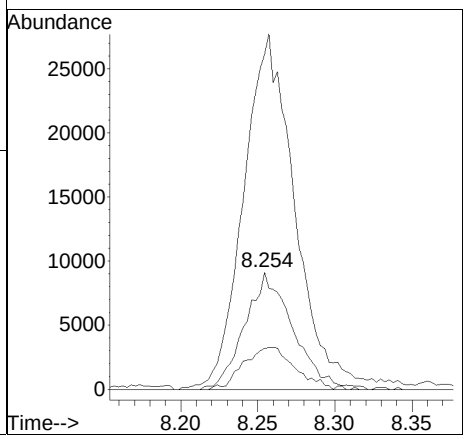


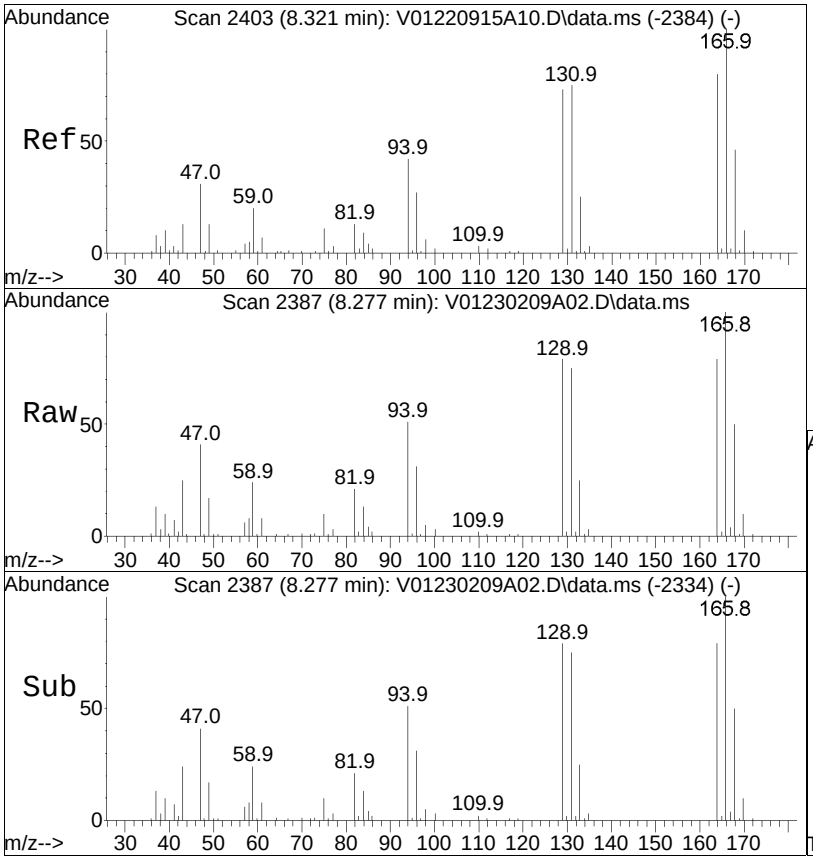


#62
4-Methyl-2-pentanone
Concen: 9.93 ug/L
RT: 8.254 min Scan# 2379
Delta R.T. -0.006 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 58 Resp: 19794

Ion	Ratio	Lower	Upper
58	100		
100	38.3	31.8	47.6
43	324.5	212.5	318.7#

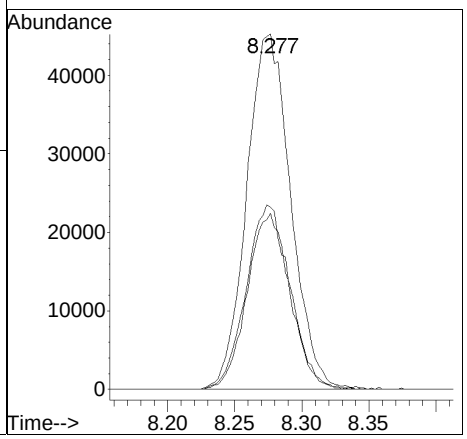


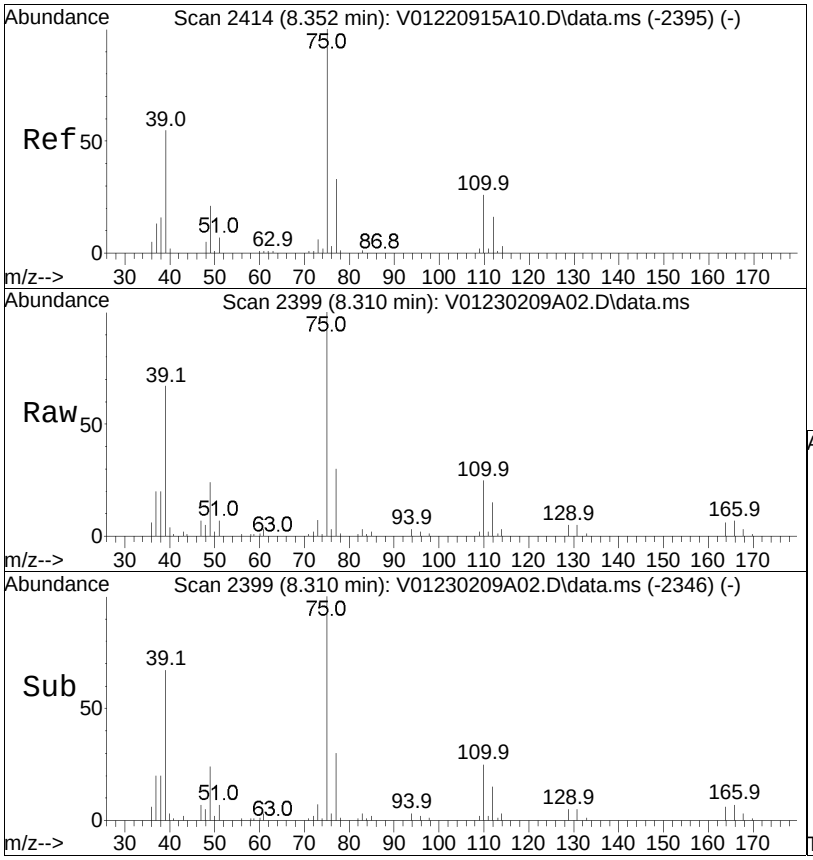


#63
Tetrachloroethene
Concen: 9.90 ug/L
RT: 8.277 min Scan# 2387
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:166 Resp: 103710

Ion	Ratio	Lower	Upper
166	100		
168	48.9	27.4	67.4
94	50.8	24.8	64.8

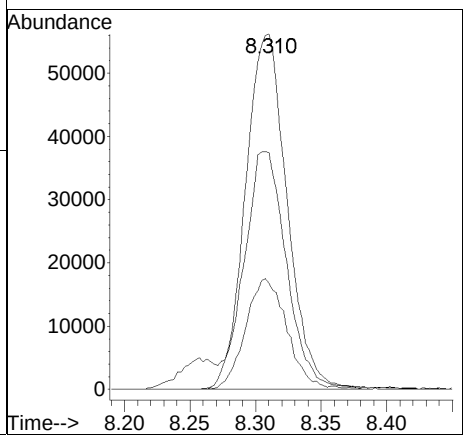


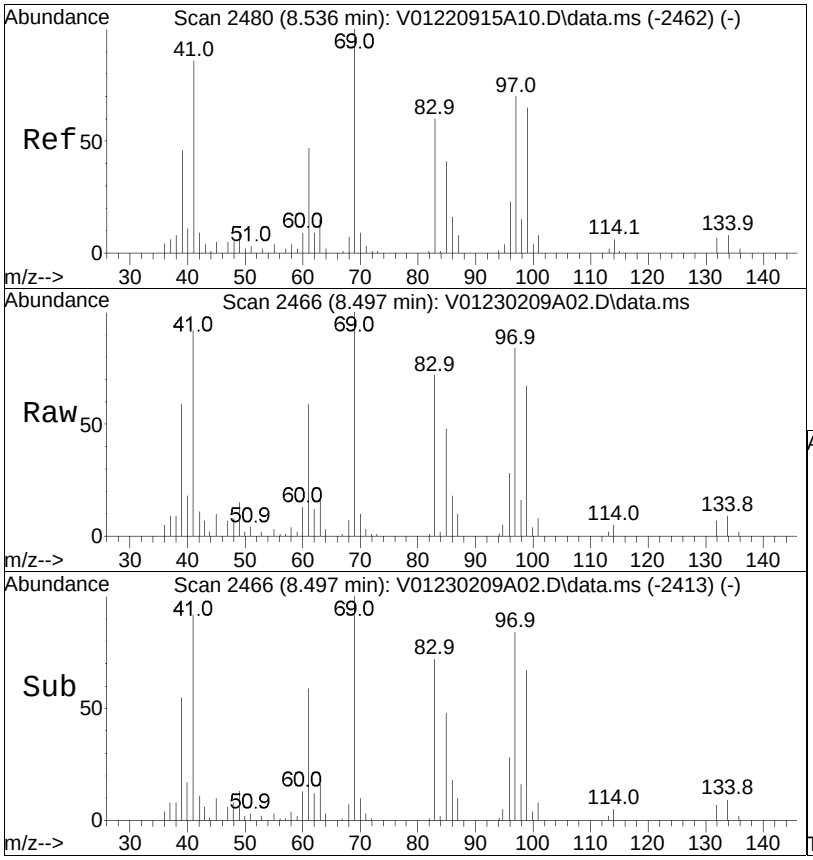


#65
trans-1,3-Dichloropropene
Concen: 10.78 ug/L
RT: 8.310 min Scan# 2399
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 75 Resp: 124186

Ion	Ratio	Lower	Upper
75	100		
77	30.8	11.8	51.8
39	66.8	30.2	70.2

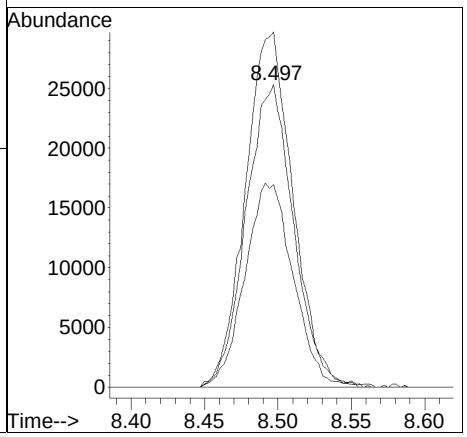


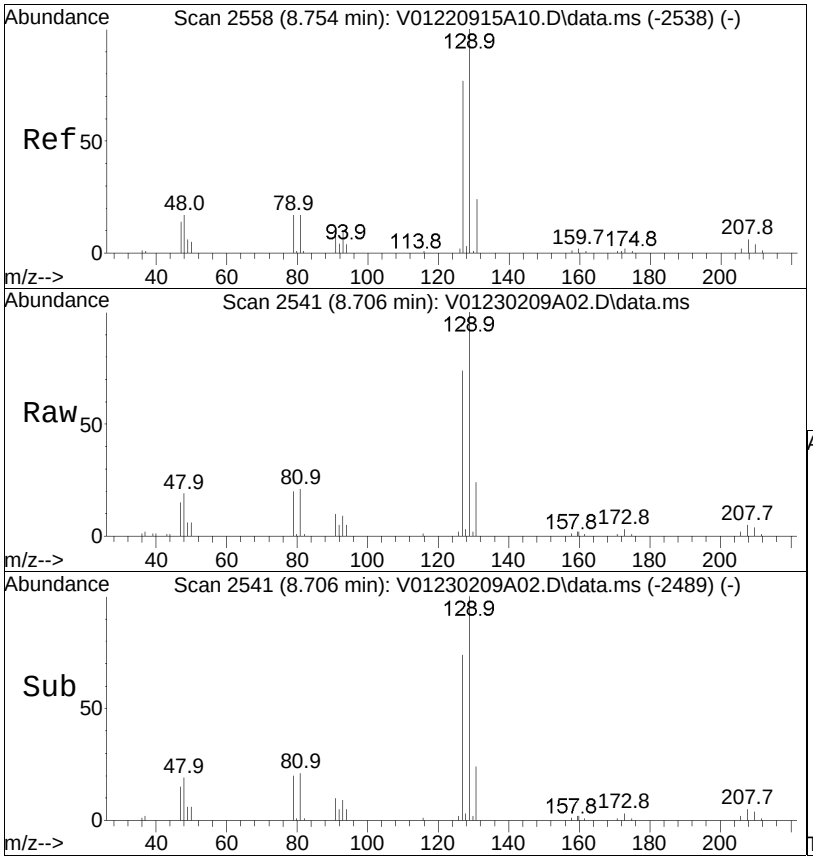


#68
1,1,2-Trichloroethane
Concen: 9.87 ug/L
RT: 8.497 min Scan# 2466
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 83 Resp: 57296

Ion	Ratio	Lower	Upper
83	100		
97	117.9	96.7	136.7
85	68.5	45.3	85.3

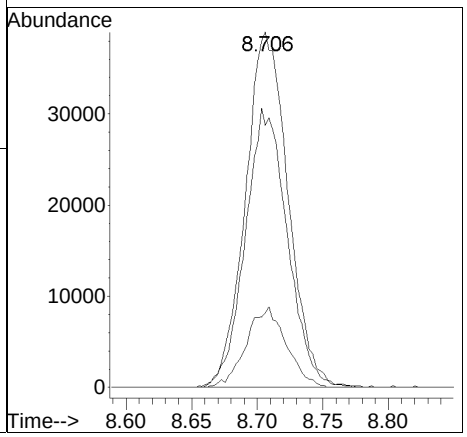


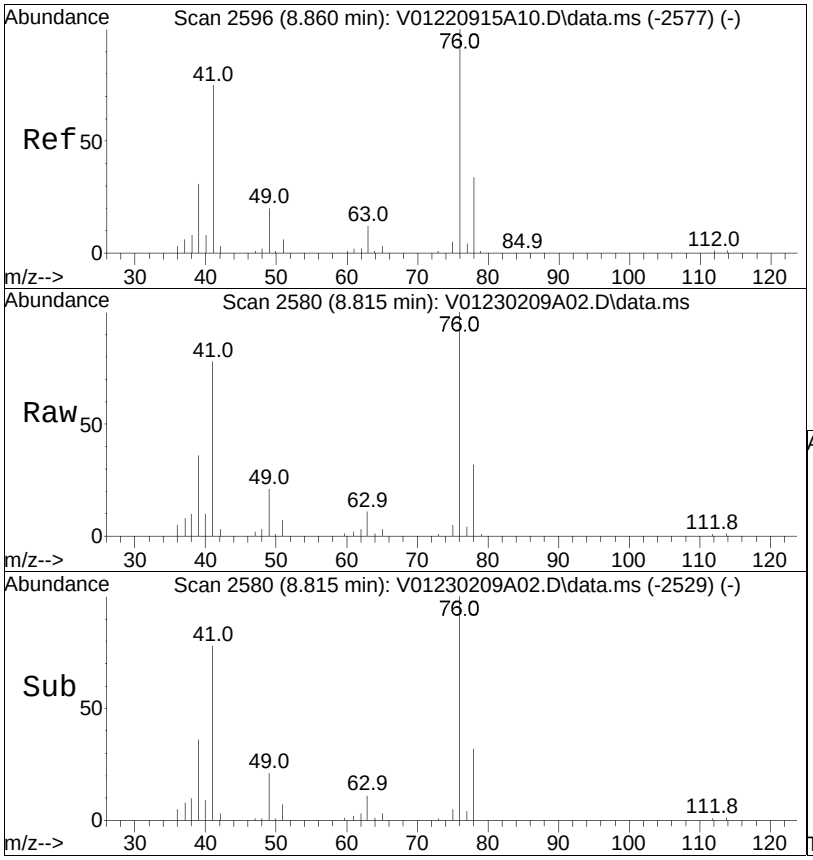


#69
Chlorodibromomethane
Concen: 11.25 ug/L
RT: 8.706 min Scan# 2541
Delta R.T. -0.006 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:129 Resp: 88323

Ion	Ratio	Lower	Upper
129	100		
81	21.2	0.0	37.9
127	77.1	56.6	96.6

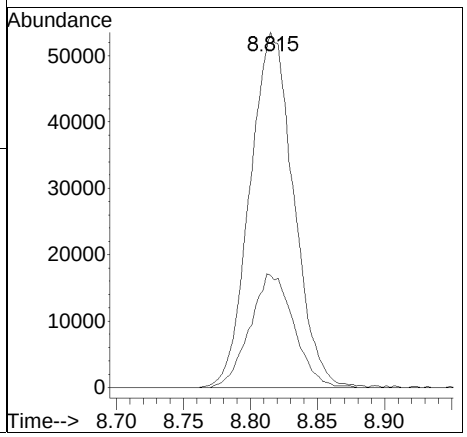


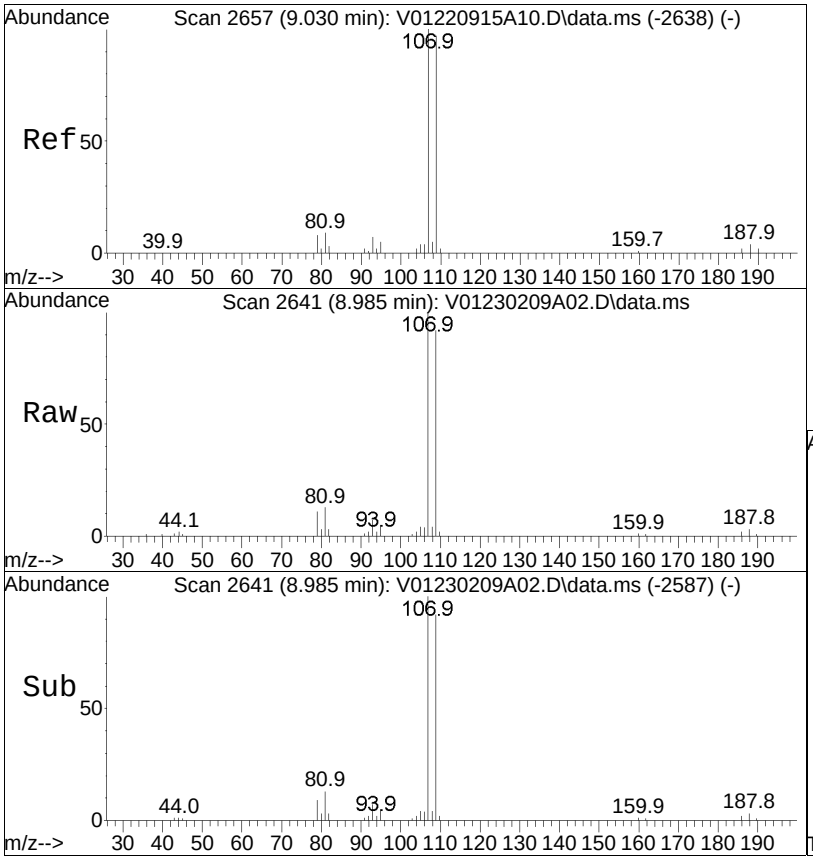


#70
1,3-Dichloropropane
Concen: 10.26 ug/L
RT: 8.815 min Scan# 2580
Delta R.T. -0.008 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 76 Resp: 121233

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

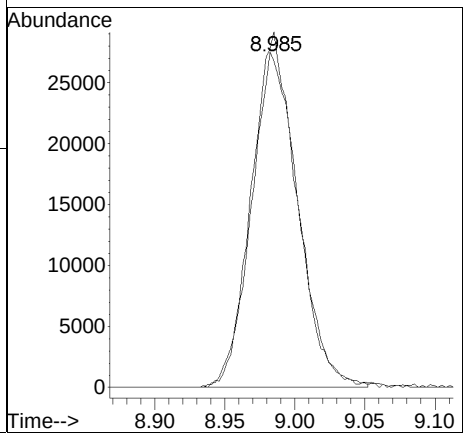


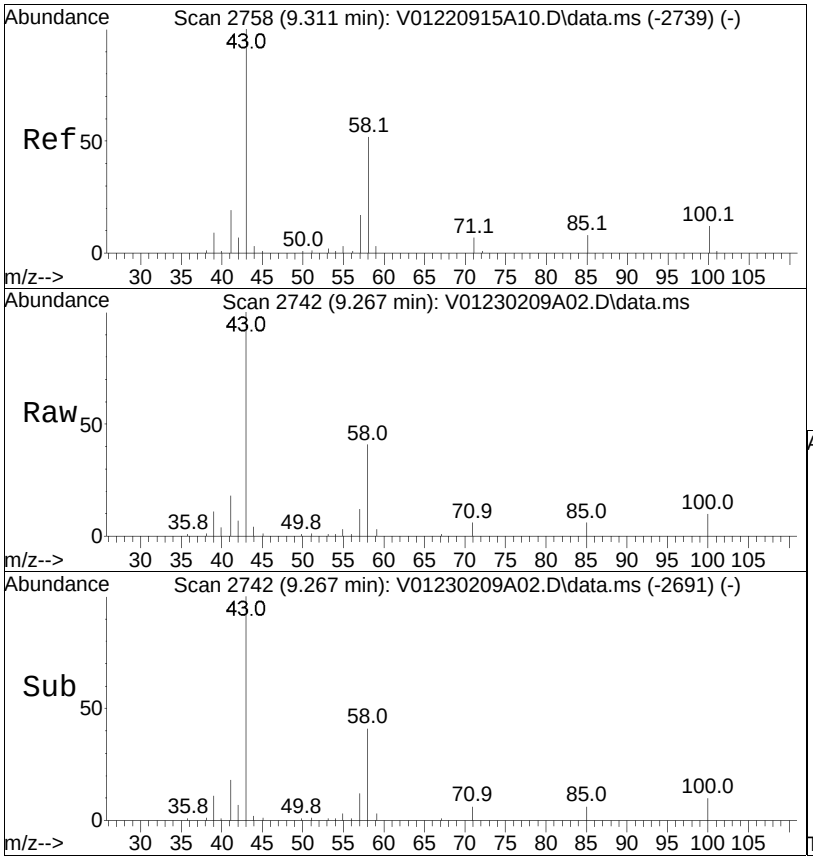


#71
1,2-Dibromoethane
Concen: 9.88 ug/L
RT: 8.985 min Scan# 2641
Delta R.T. -0.000 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:107 Resp: 66405

Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.6	113.4

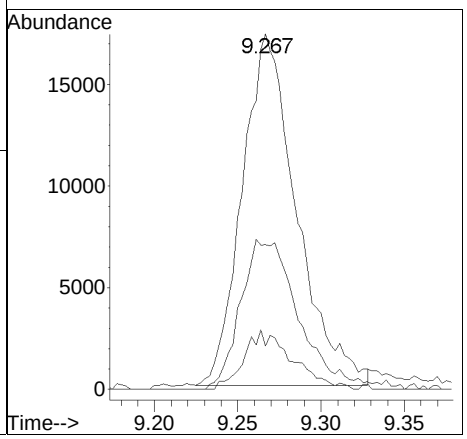


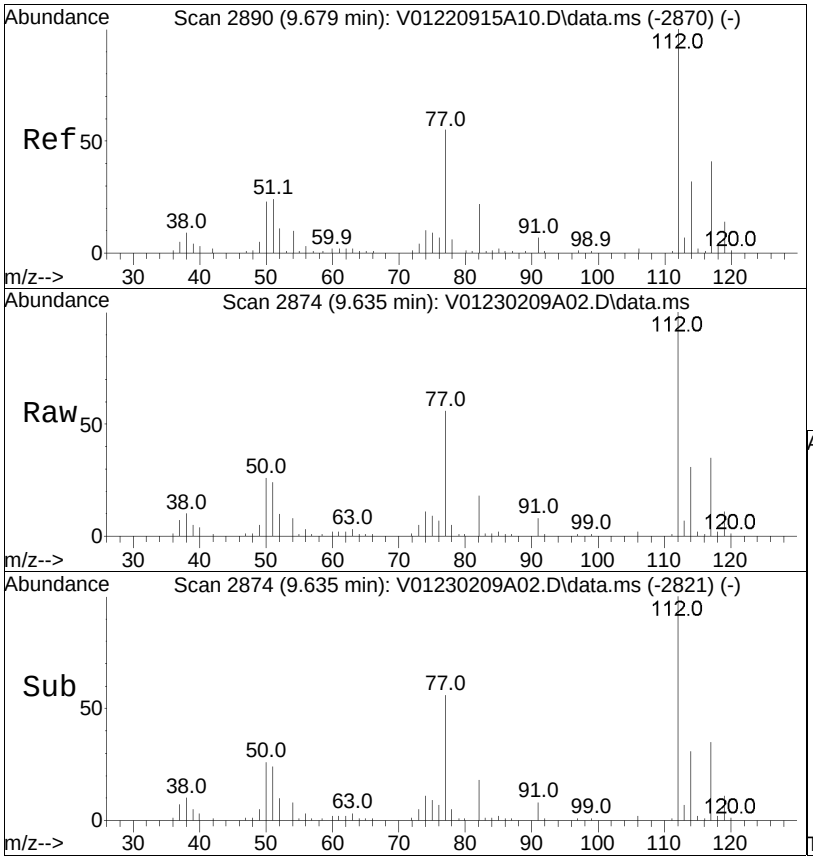


#72
2-Hexanone
Concen: 10.69 ug/L
RT: 9.267 min Scan# 2742
Delta R.T. -0.008 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 43 Resp: 39296

Ion	Ratio	Lower	Upper
43	100		
58	45.2	40.8	61.2
57	6.8	14.2	21.4#

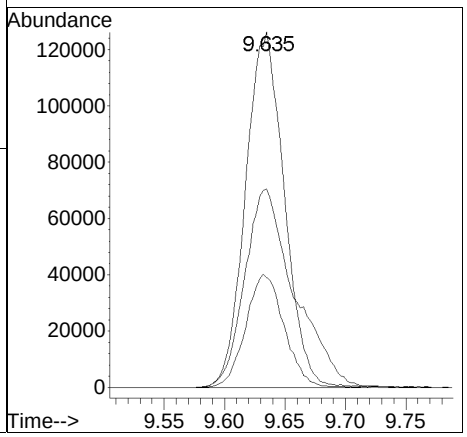


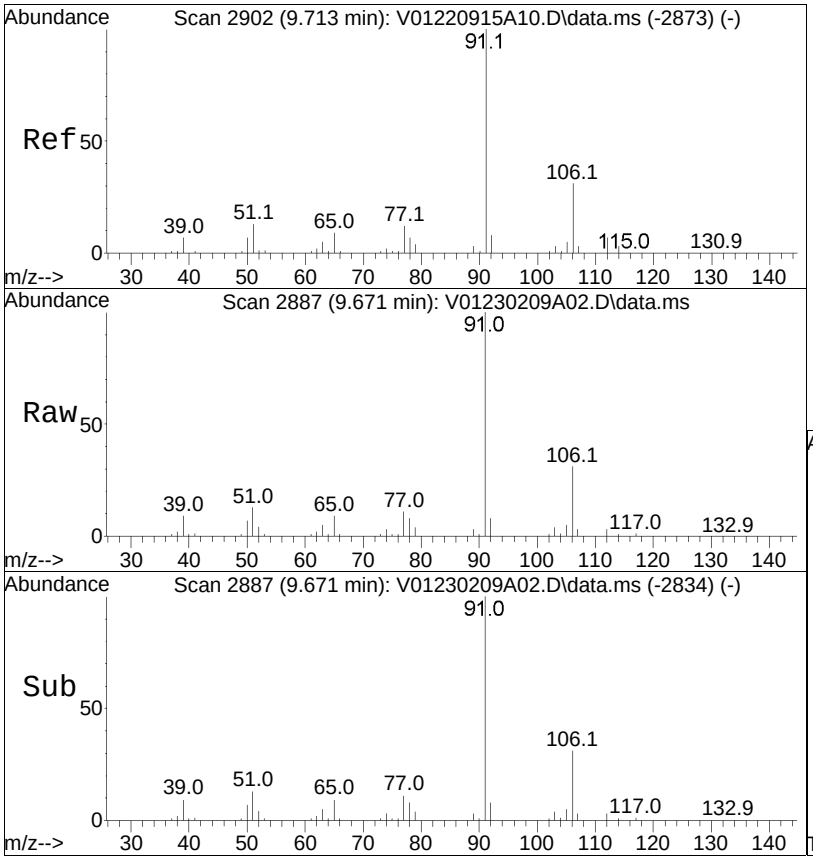


#73
Chlorobenzene
Concen: 9.93 ug/L
RT: 9.635 min Scan# 2874
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:112 Resp: 281041

Ion	Ratio	Lower	Upper
112	100		
77	71.9	59.8	89.6
114	31.6	25.4	38.2

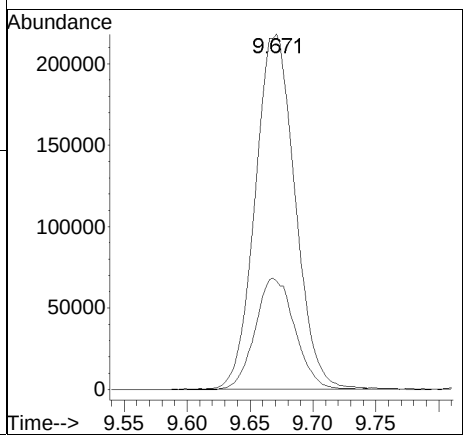


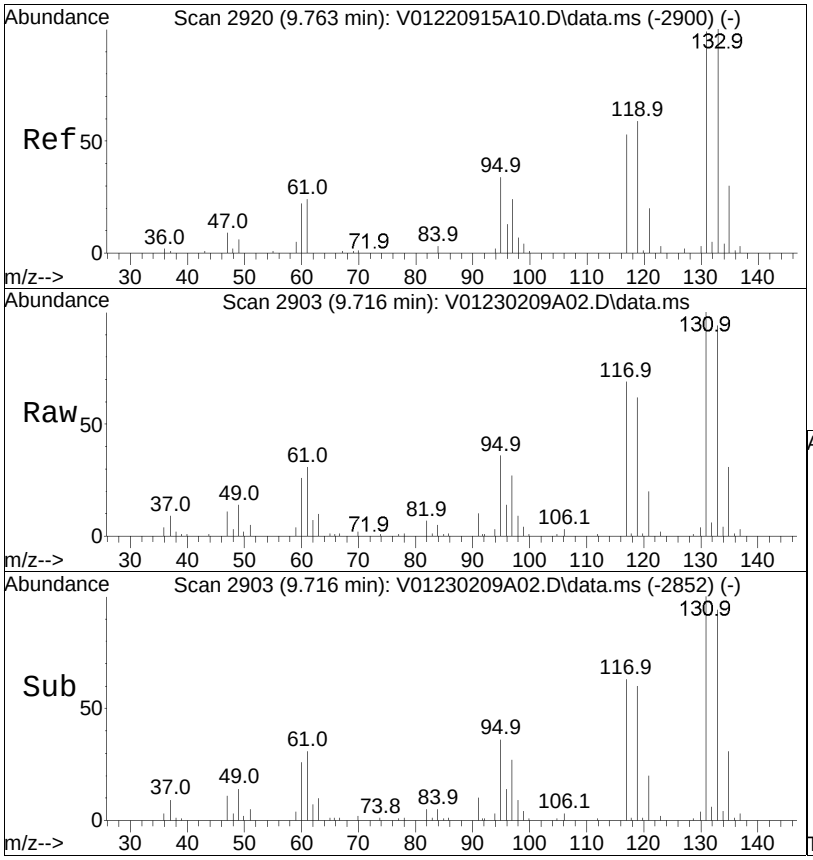


#74
Ethylbenzene
Concen: 9.91 ug/L
RT: 9.671 min Scan# 2887
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 91 Resp: 479308

Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.7	37.1

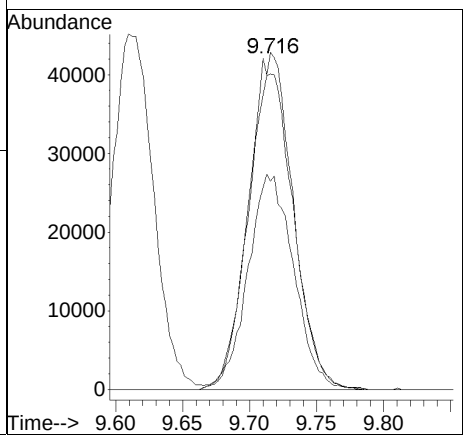


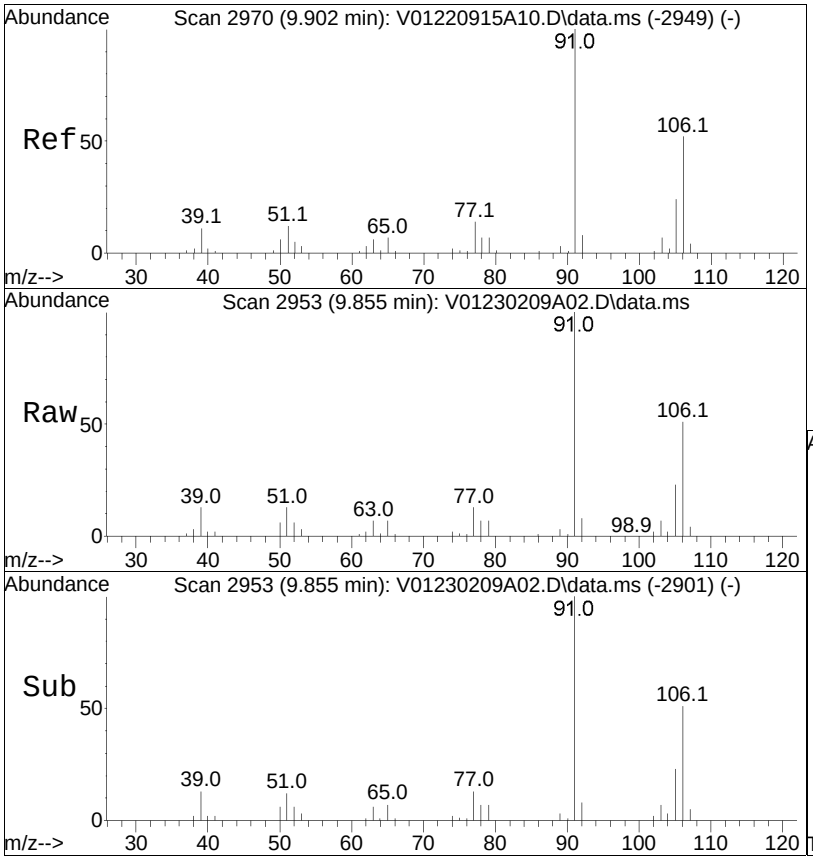


#75
1,1,1,2-Tetrachloroethane
Concen: 10.96 ug/L
RT: 9.716 min Scan# 2903
Delta R.T. -0.008 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:131 Resp: 100009

Ion	Ratio	Lower	Upper
131	100		
133	95.2	75.8	115.8
119	64.7	45.8	85.8

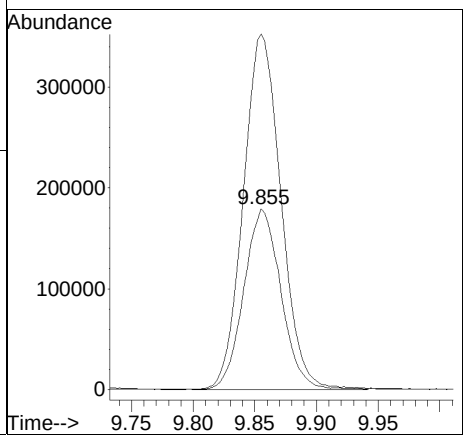


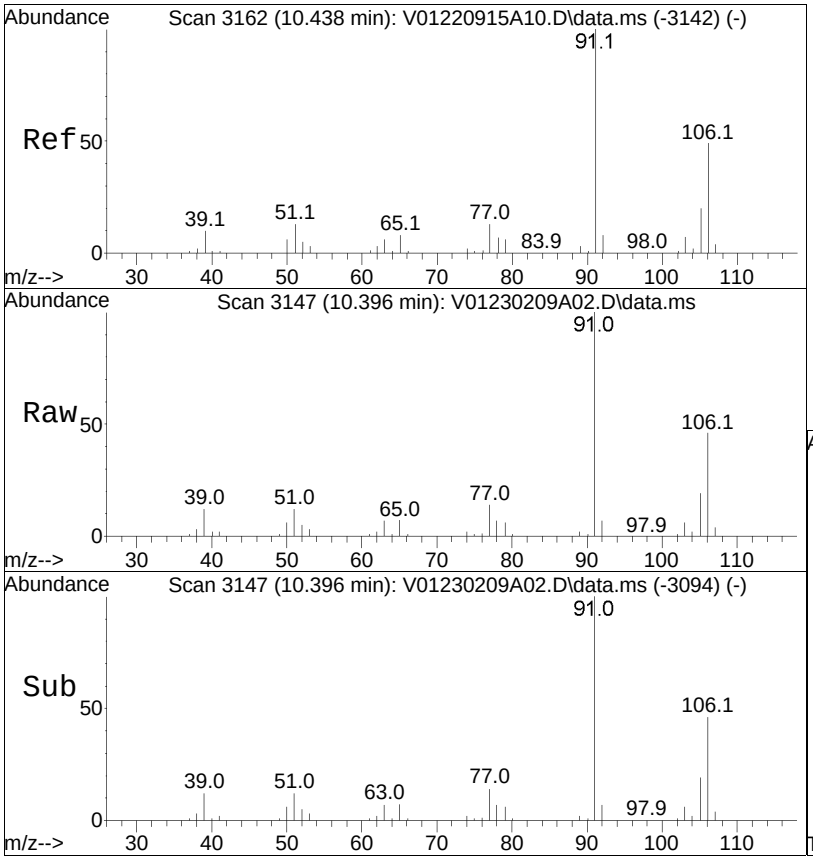


#76
p/m Xylene
Concen: 19.89 ug/L
RT: 9.855 min Scan# 2953
Delta R.T. -0.006 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:106 Resp: 375395

Ion	Ratio	Lower	Upper
106	100		
91	199.5	162.9	244.3

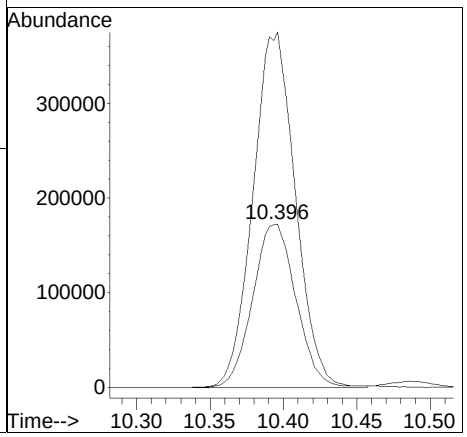


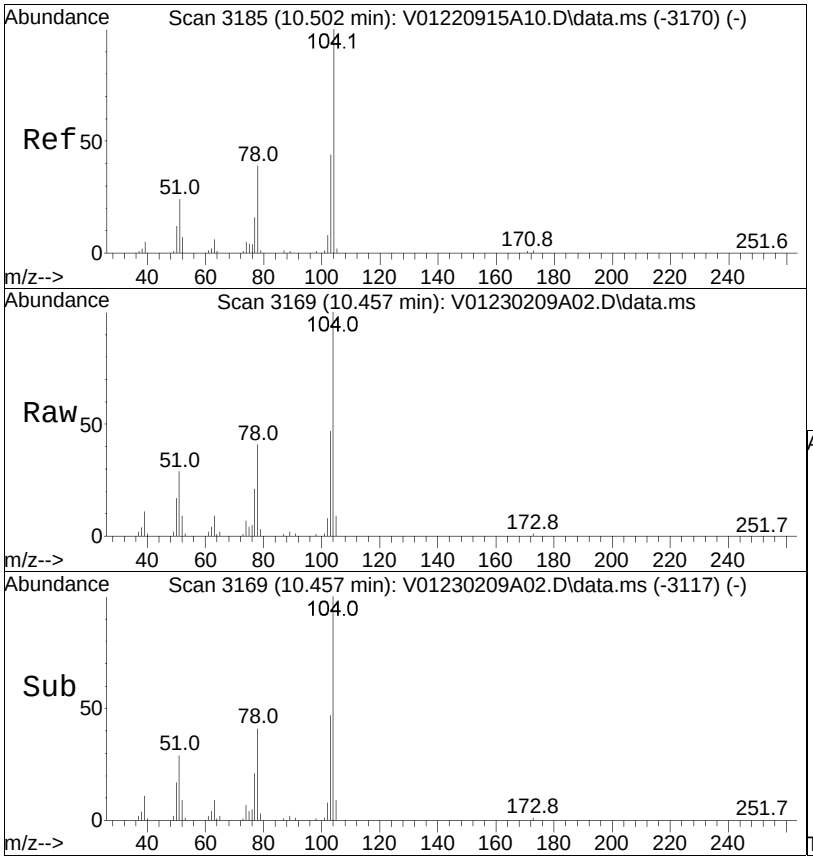


#77
o Xylene
Concen: 19.24 ug/L
RT: 10.396 min Scan# 3147
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:106 Resp: 353891

Ion	Ratio	Lower	Upper
106	100		
91	213.0	171.2	256.8

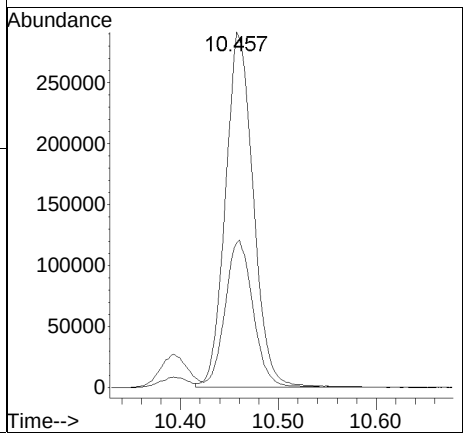


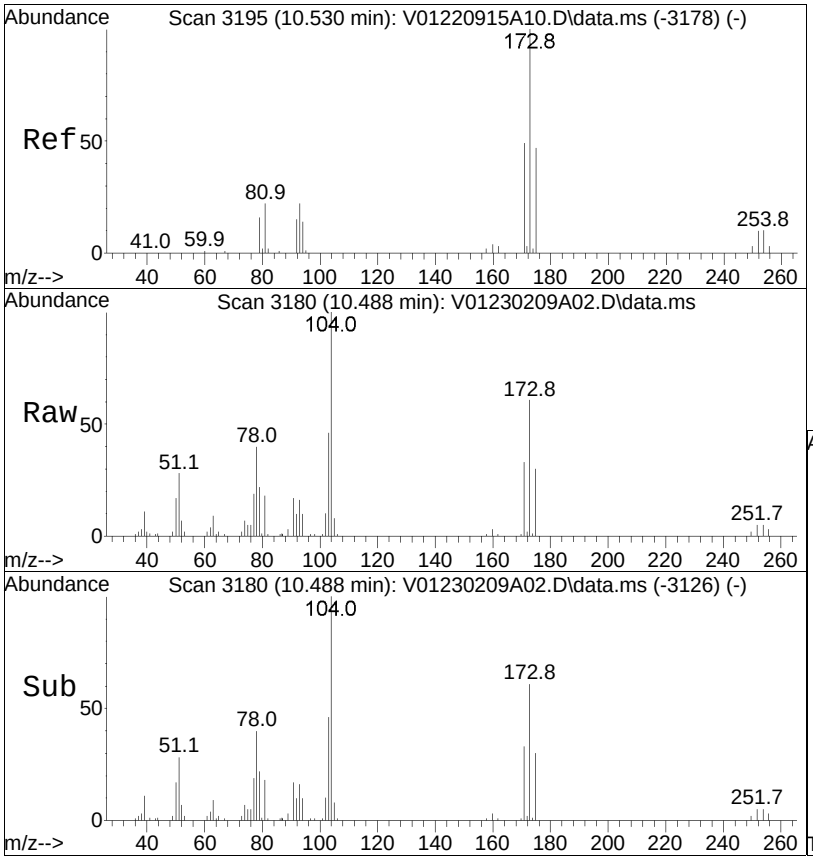


#78
Styrene
Concen: 17.77 ug/L
RT: 10.457 min Scan# 3169
Delta R.T. -0.006 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:104 Resp: 575249

Ion	Ratio	Lower	Upper
104	100		
78	41.1	34.2	51.4

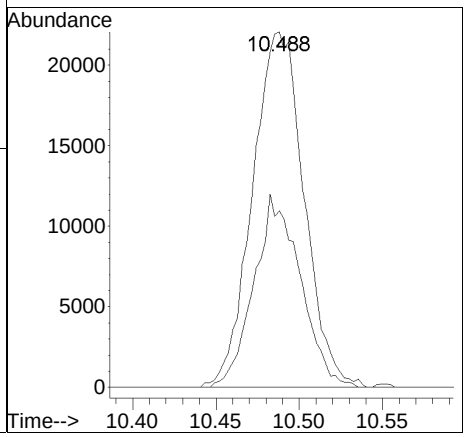


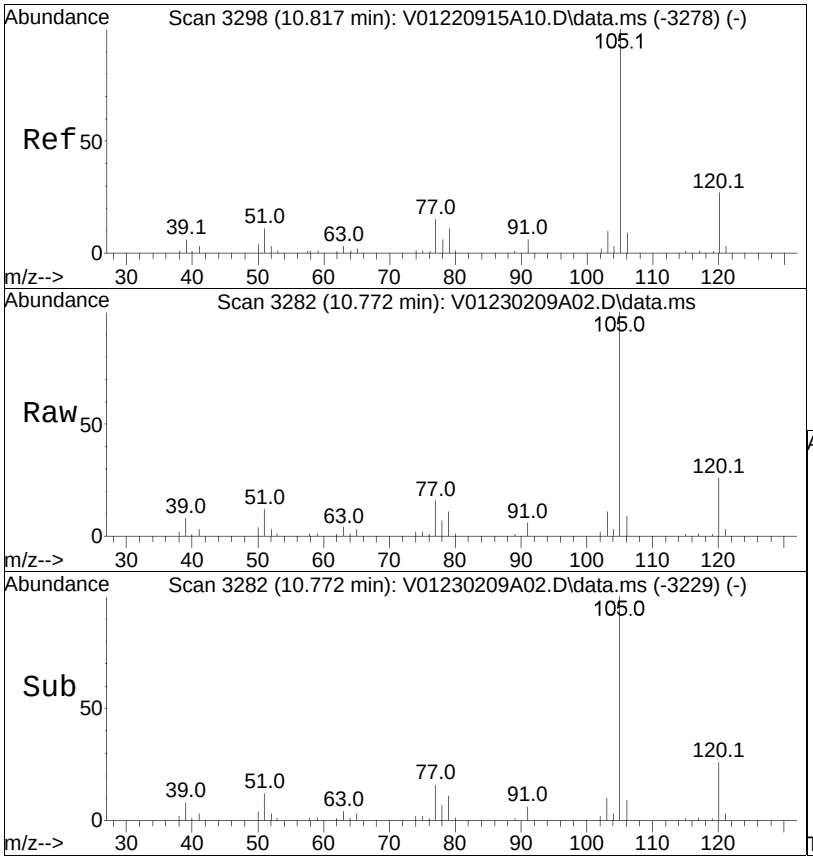


#80
Bromoform
Concen: 11.30 ug/L
RT: 10.488 min Scan# 3180
Delta R.T. 0.000 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:173 Resp: 47515

Ion	Ratio	Lower	Upper
173	100		
175	48.7	28.6	68.6

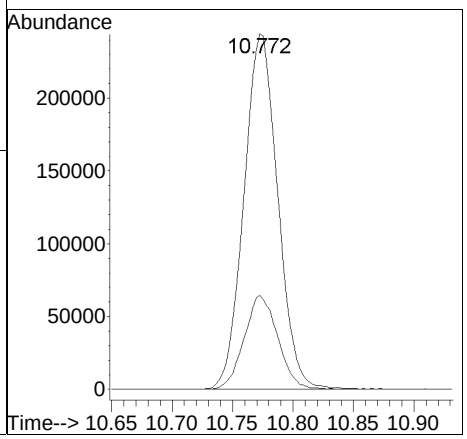


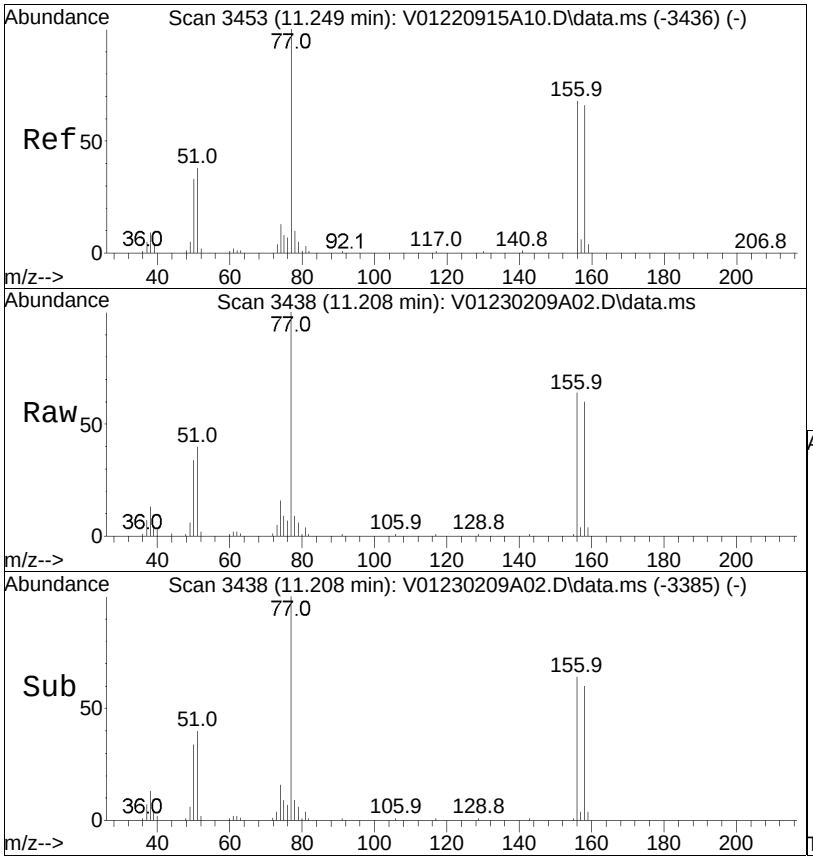


#82
Isopropylbenzene
Concen: 10.38 ug/L
RT: 10.772 min Scan# 3282
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:105 Resp: 475767

Ion	Ratio	Lower	Upper
105	100		
120	26.3	7.3	47.3

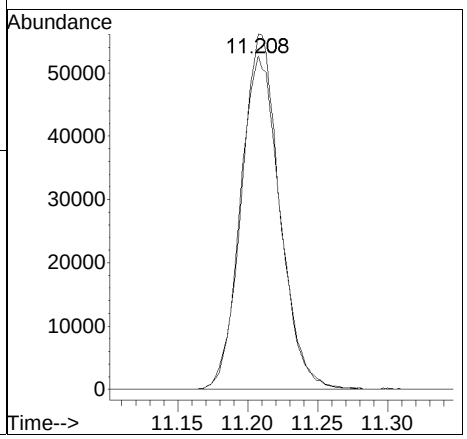


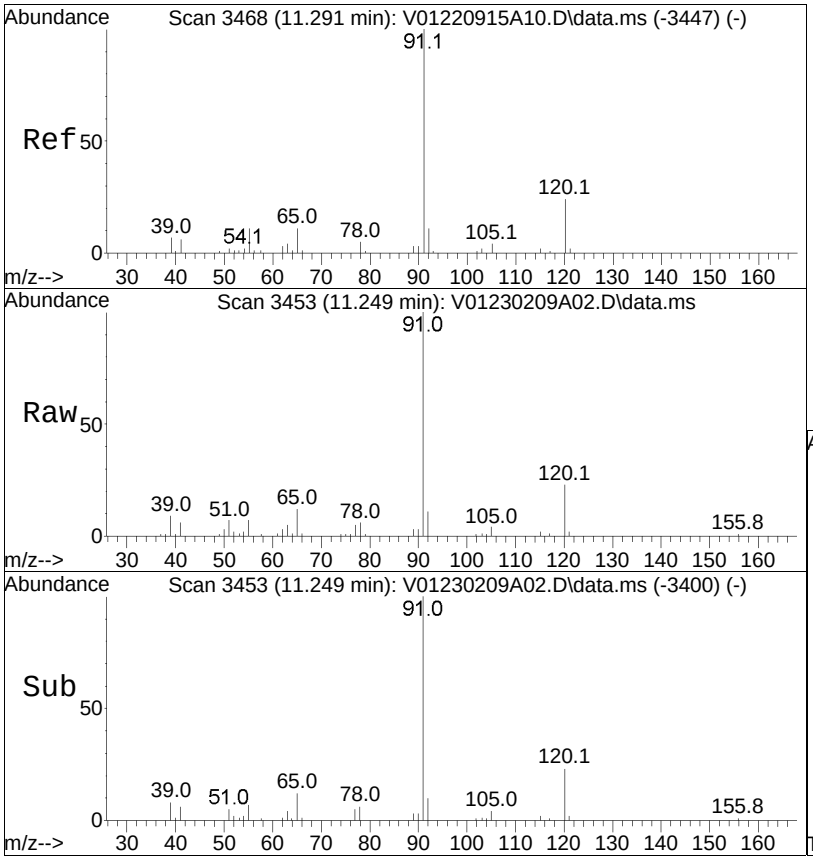


#84
Bromobenzene
Concen: 10.08 ug/L
RT: 11.208 min Scan# 3438
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:156 Resp: 107551

Ion	Ratio	Lower	Upper
156	100		
158	95.2	78.2	117.4

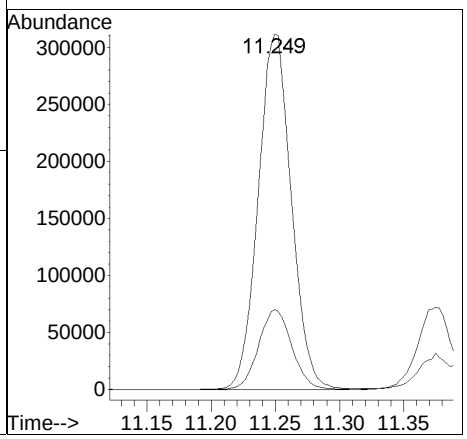


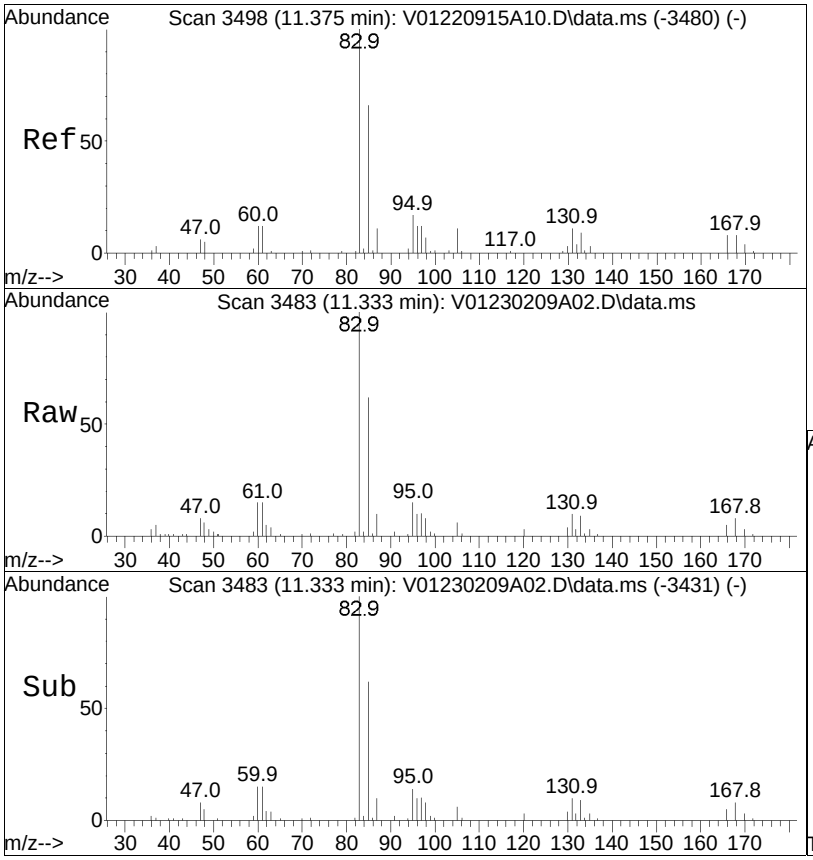


#85
n-Propylbenzene
Concen: 10.30 ug/L
RT: 11.249 min Scan# 3453
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 91 Resp: 559261

Ion	Ratio	Lower	Upper
91	100		
120	22.4	18.6	28.0

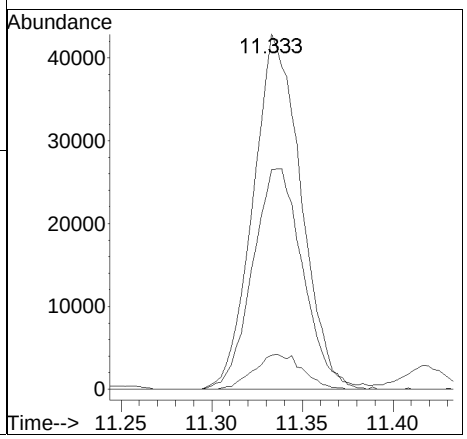


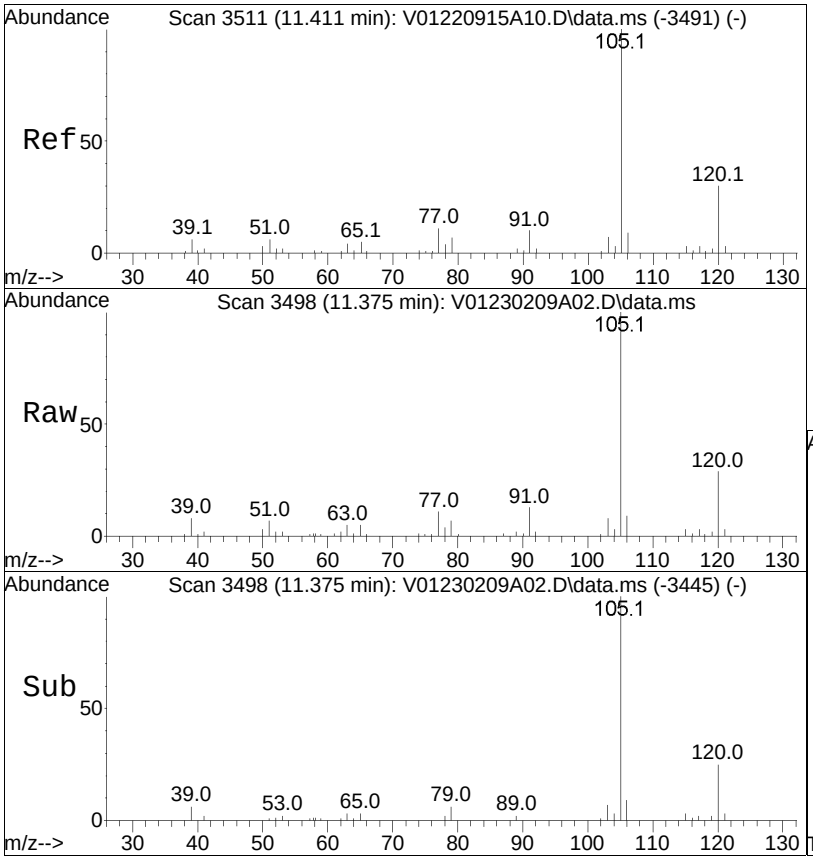


#87
1,1,2,2-Tetrachloroethane
Concen: 10.45 ug/L
RT: 11.333 min Scan# 3483
Delta R.T. -0.006 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 83 Resp: 78659

Ion	Ratio	Lower	Upper
83	100		
131	10.1	0.0	30.1
85	65.2	45.8	85.8

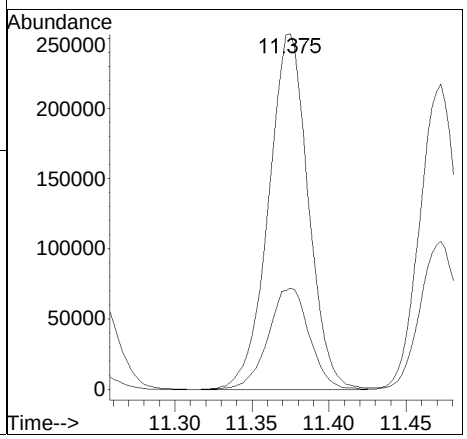


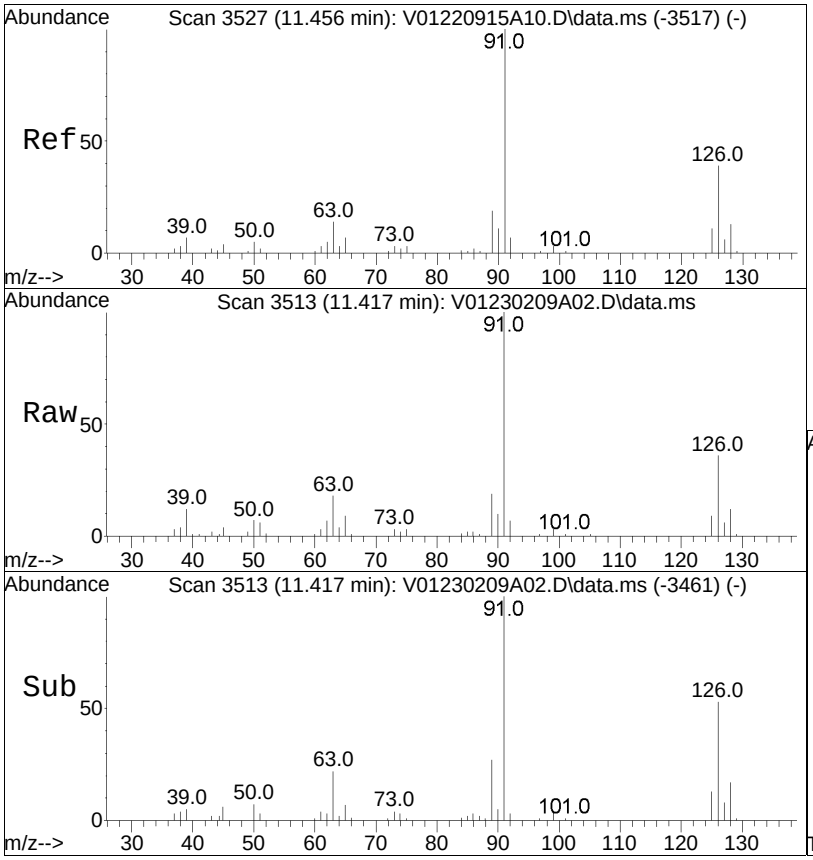


#88
4-Ethyltoluene
Concen: 10.45 ug/L
RT: 11.375 min Scan# 3498
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:105 Resp: 454856

Ion	Ratio	Lower	Upper
105	100		
120	29.5	19.8	41.0

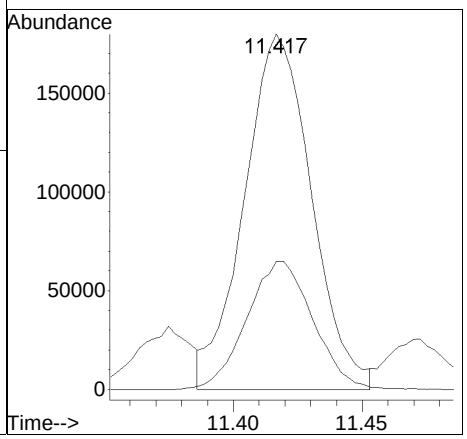


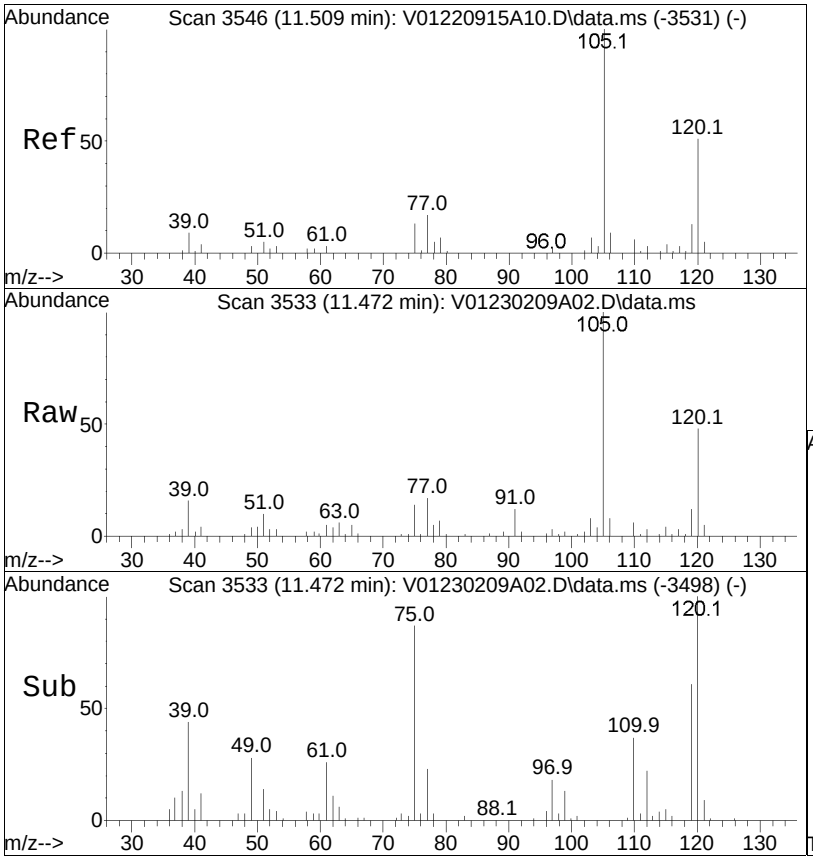


#89
2-Chlorotoluene
Concen: 10.63 ug/L M1
RT: 11.417 min Scan# 3513
Delta R.T. -0.005 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 91 Resp: 325901

Ion	Ratio	Lower	Upper
91	100		
126	35.5	27.1	40.7

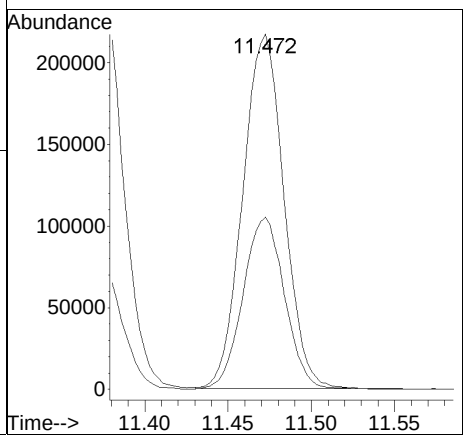


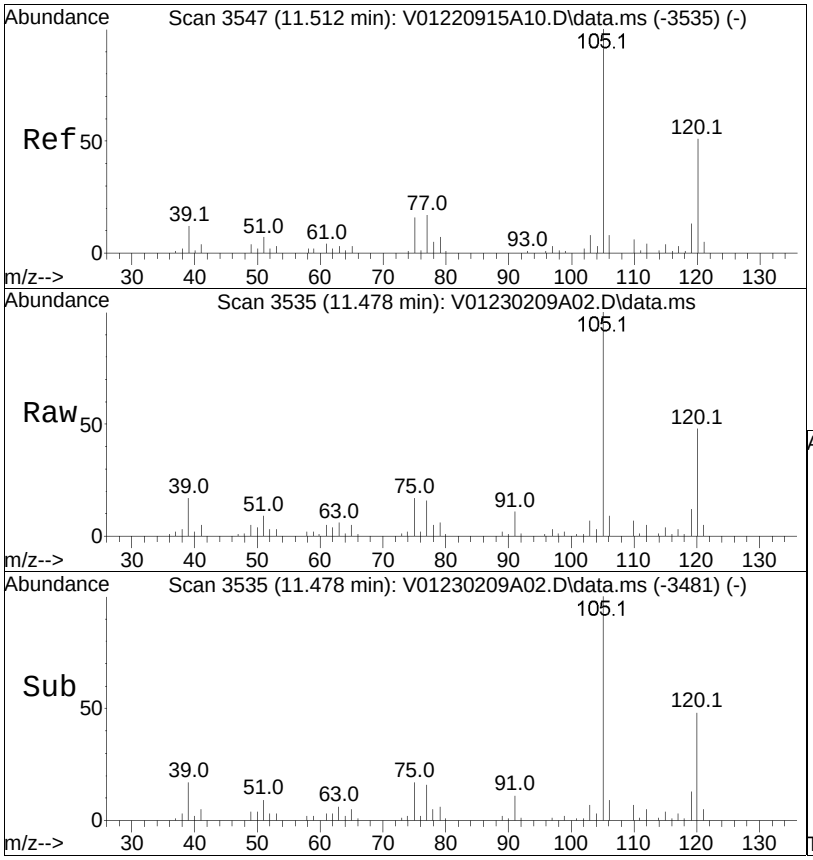


#90
1,3,5-Trimethylbenzene
Concen: 10.05 ug/L
RT: 11.472 min Scan# 3533
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:105 Resp: 373276

Ion	Ratio	Lower	Upper
105	100		
120	48.8	40.6	60.8

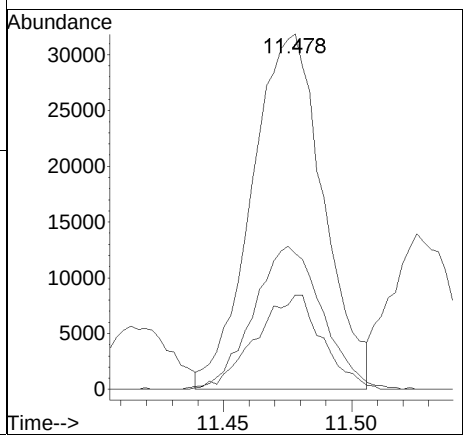


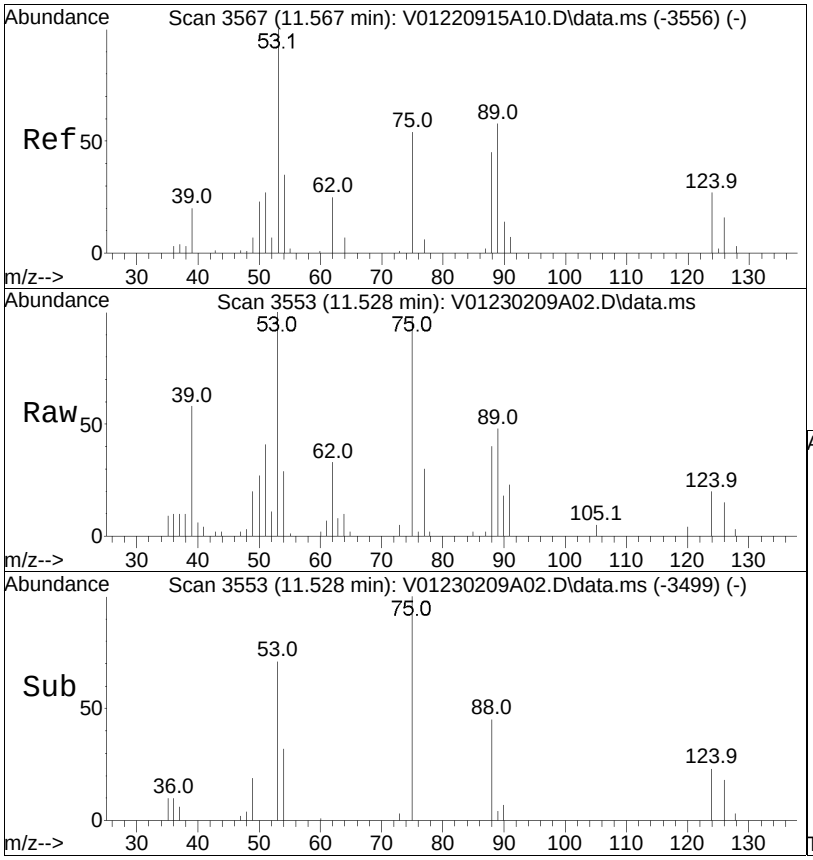


#91
1,2,3-Trichloropropane
Concen: 9.81 ug/L M1
RT: 11.478 min Scan# 3535
Delta R.T. -0.000 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 75 Resp: 61903

Ion	Ratio	Lower	Upper
75	100		
110	38.7	26.5	54.9
112	24.7	17.0	35.2

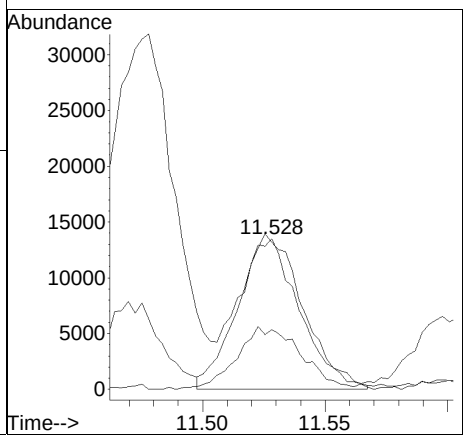


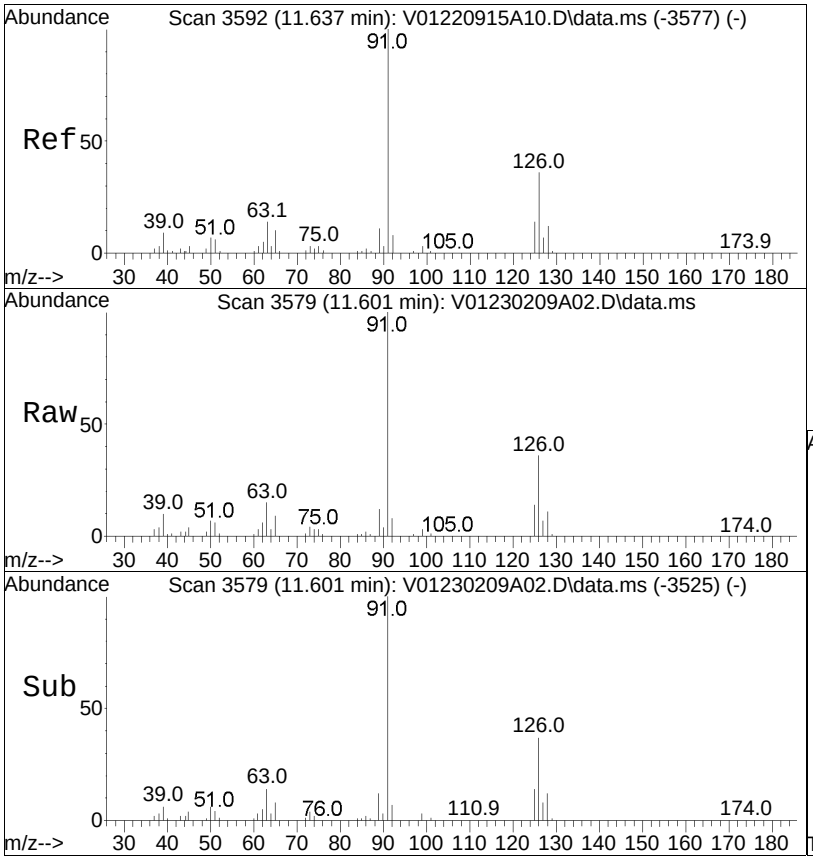


#92
trans-1,4-Dichloro-2-butene
Concen: 11.85 ug/L M4
RT: 11.528 min Scan# 3553
Delta R.T. 0.000 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 53 Resp: 23943

Ion	Ratio	Lower	Upper
53	100		
88	43.0	46.0	69.0#
75	98.0	107.0	160.4#

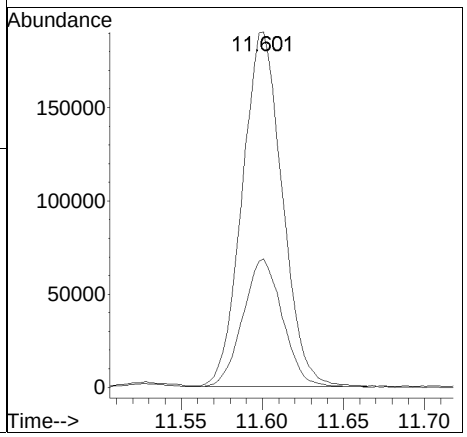


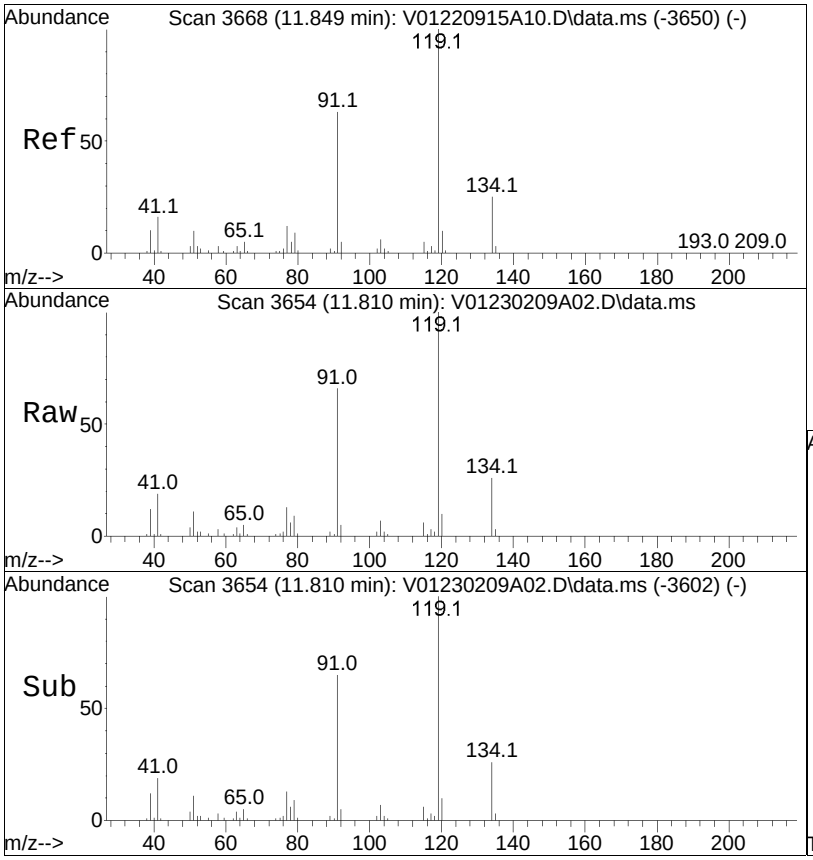


#93
4-Chlorotoluene
Concen: 10.56 ug/L
RT: 11.601 min Scan# 3579
Delta R.T. -0.000 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 91 Resp: 326247

Ion	Ratio	Lower	Upper
91	100		
126	36.1	28.2	42.2

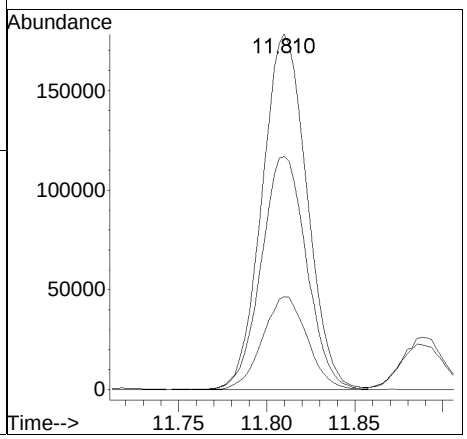


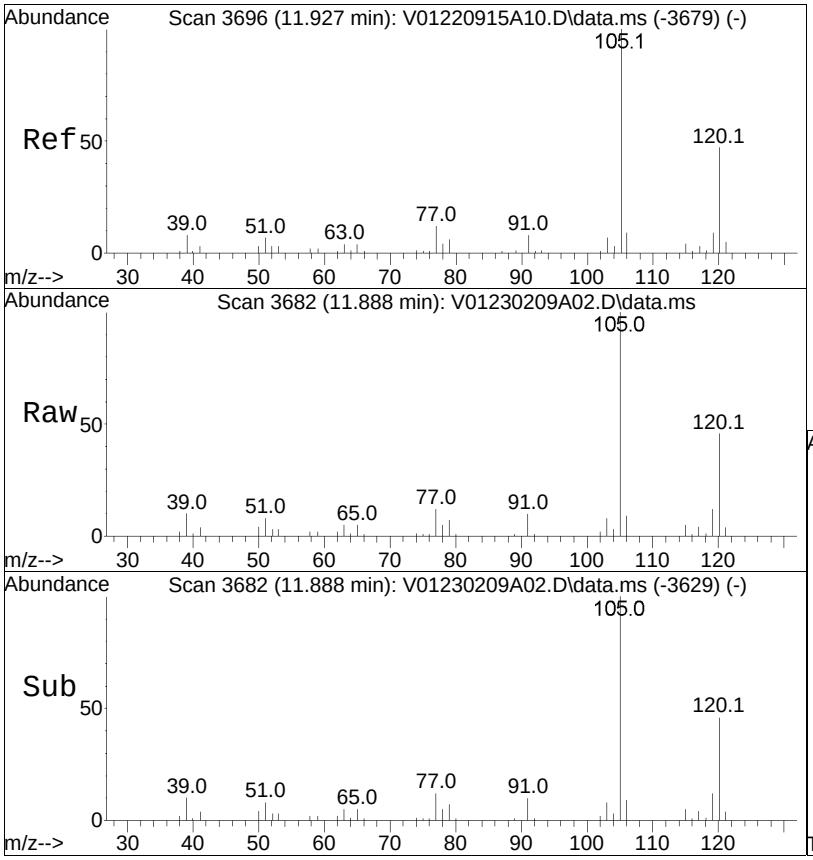


#94
tert-Butylbenzene
Concen: 10.31 ug/L
RT: 11.810 min Scan# 3654
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:119 Resp: 315352

Ion	Ratio	Lower	Upper
119	100		
91	66.3	52.5	78.7
134	26.0	20.9	31.3

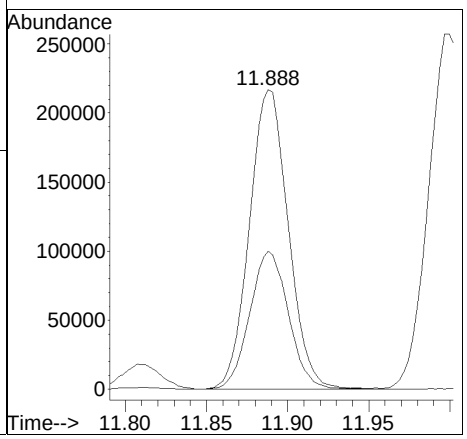


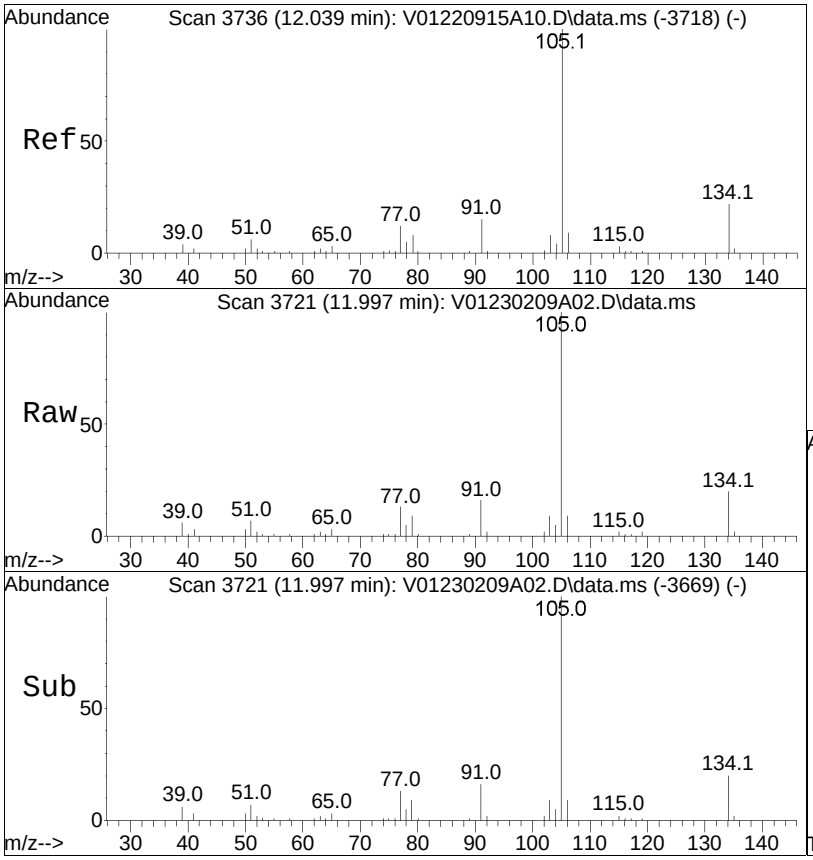


#97
1,2,4-Trimethylbenzene
Concen: 10.16 ug/L
RT: 11.888 min Scan# 3682
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:105 Resp: 361260

Ion	Ratio	Lower	Upper
105	100		
120	45.5	37.8	56.6

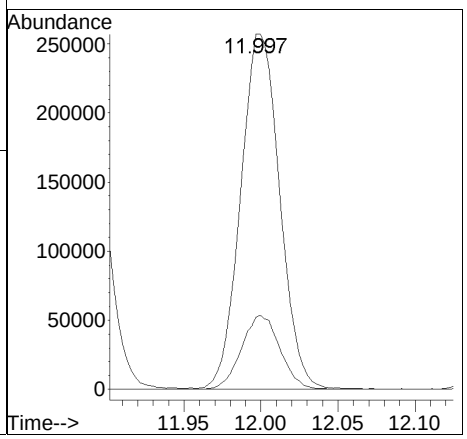


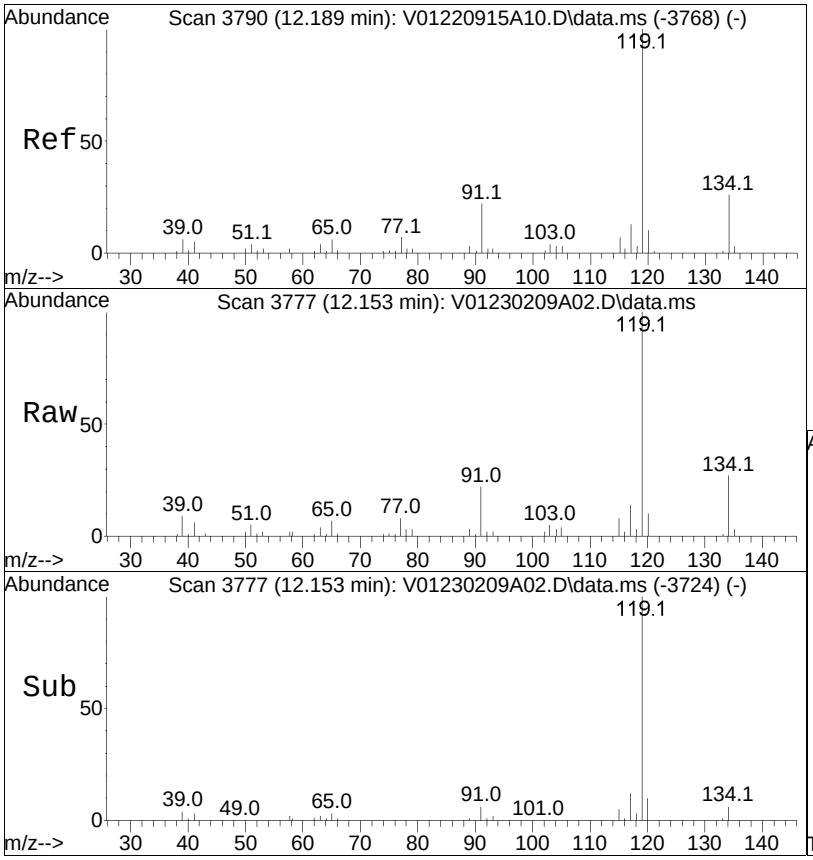


#98
sec-Butylbenzene
Concen: 10.33 ug/L
RT: 11.997 min Scan# 3721
Delta R.T. -0.005 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:105 Resp: 451837

Ion	Ratio	Lower	Upper
105	100		
134	20.6	14.0	29.0

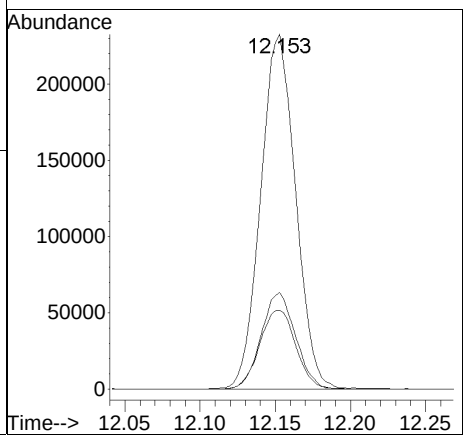


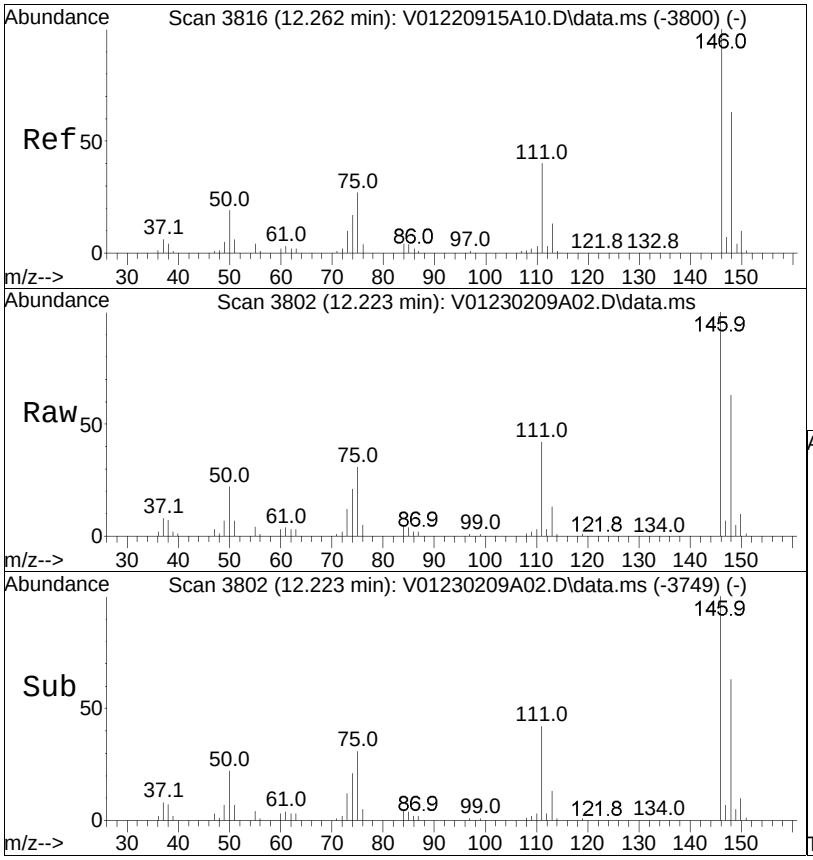


#99
p-Isopropyltoluene
Concen: 10.24 ug/L
RT: 12.153 min Scan# 3777
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:119 Resp: 377190

Ion	Ratio	Lower	Upper
119	100		
134	27.1	17.7	36.7
91	23.2	15.4	32.0

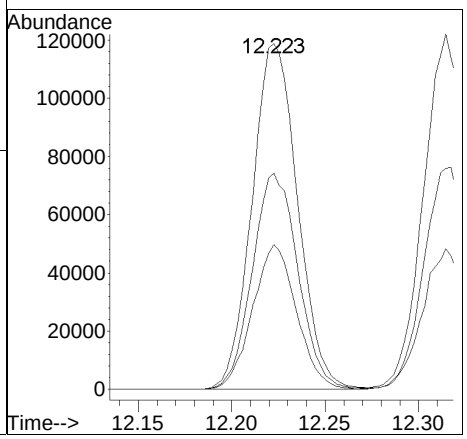


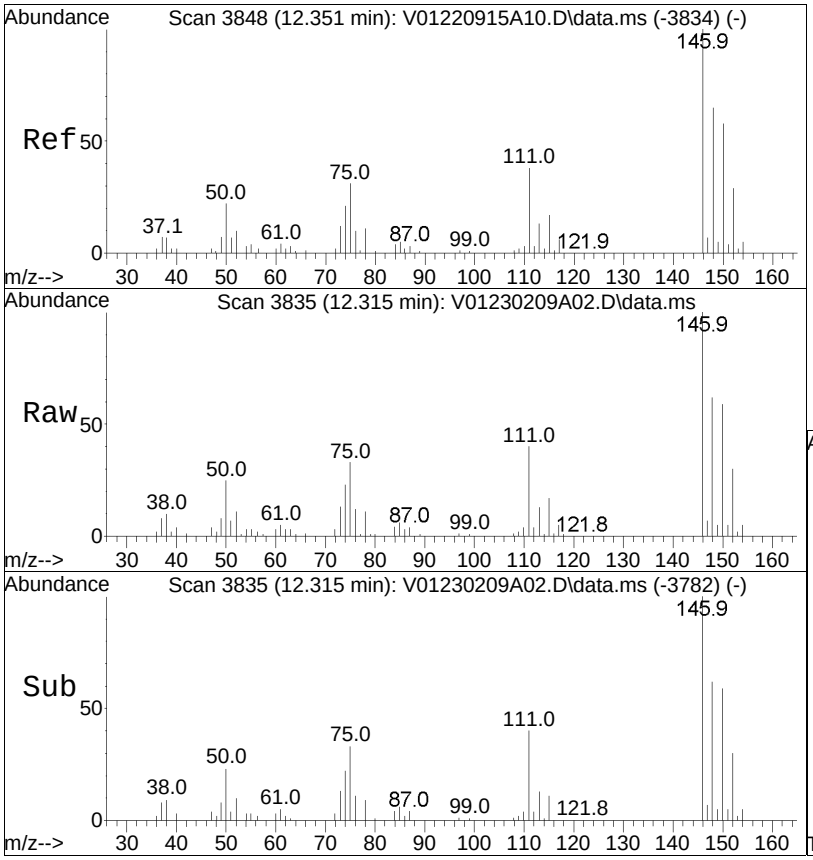


#100
1,3-Dichlorobenzene
Concen: 10.00 ug/L
RT: 12.223 min Scan# 3802
Delta R.T. -0.002 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:146 Resp: 201636

Ion	Ratio	Lower	Upper
146	100		
111	40.4	25.9	53.9
148	62.7	41.5	86.3

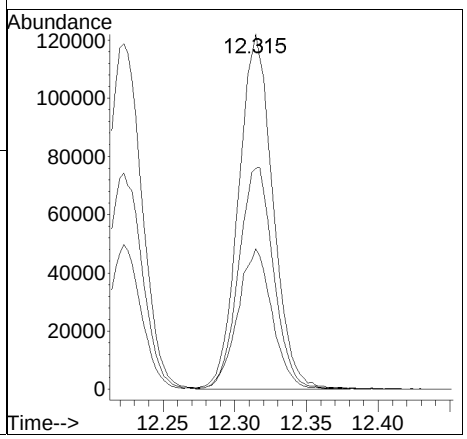


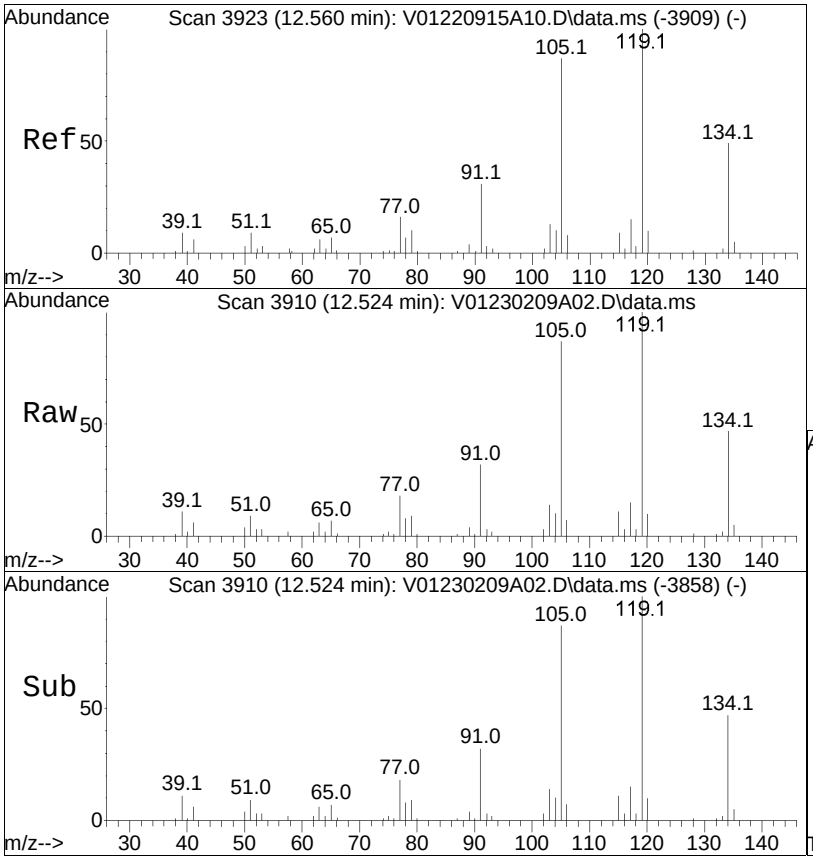


#101
1,4-Dichlorobenzene
Concen: 9.79 ug/L
RT: 12.315 min Scan# 3835
Delta R.T. -0.002 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:146 Resp: 203301

Ion	Ratio	Lower	Upper
146	100		
111	39.6	31.7	47.5
148	63.2	51.5	77.3

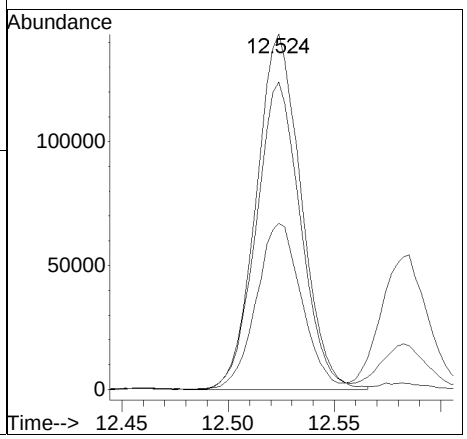


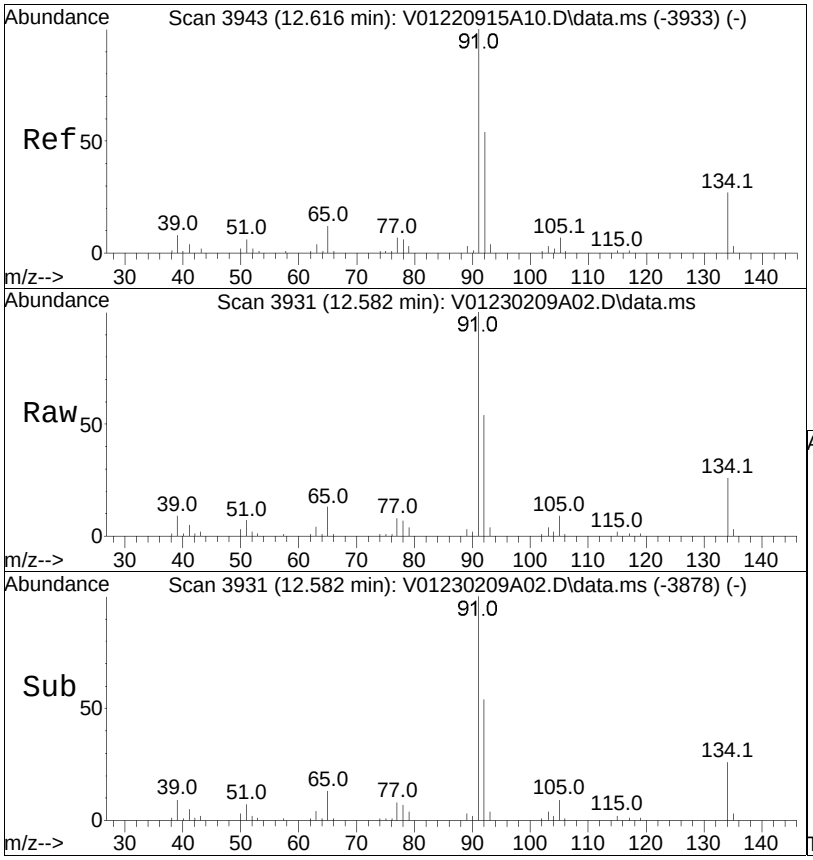


#102
p-Diethylbenzene
Concen: 10.26 ug/L
RT: 12.524 min Scan# 3910
Delta R.T. -0.005 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:119 Resp: 210713

Ion	Ratio	Lower	Upper
119	100		
105	86.0	54.1	112.3
134	47.2	31.5	65.3

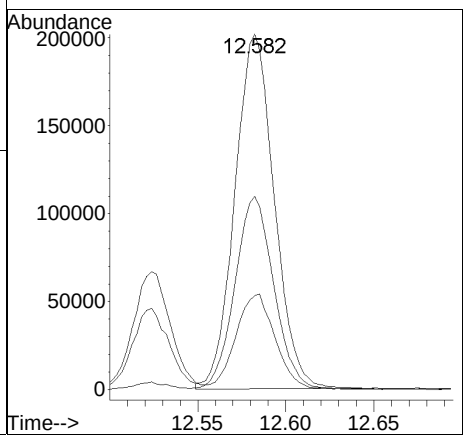


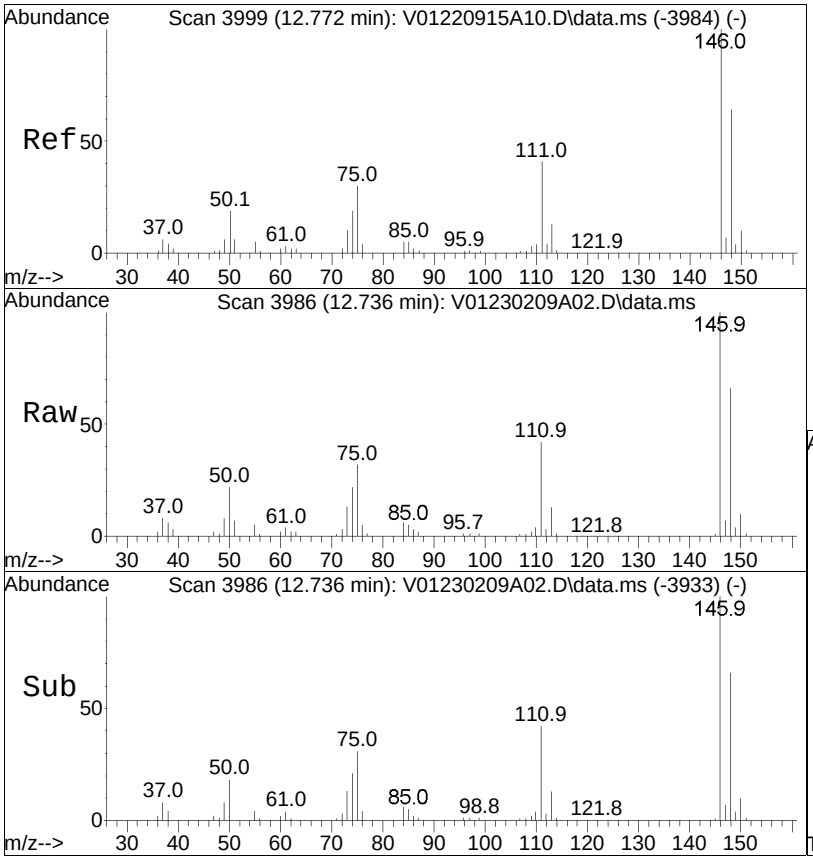


#103
n-Butylbenzene
Concen: 10.60 ug/L
RT: 12.582 min Scan# 3931
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion: 91 Resp: 313899

Ion	Ratio	Lower	Upper
91	100		
92	53.5	43.7	65.5
134	26.6	22.1	33.1

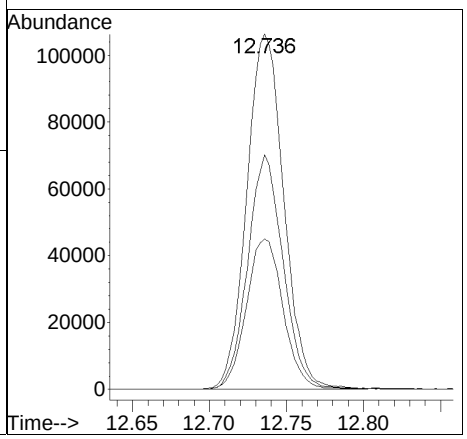


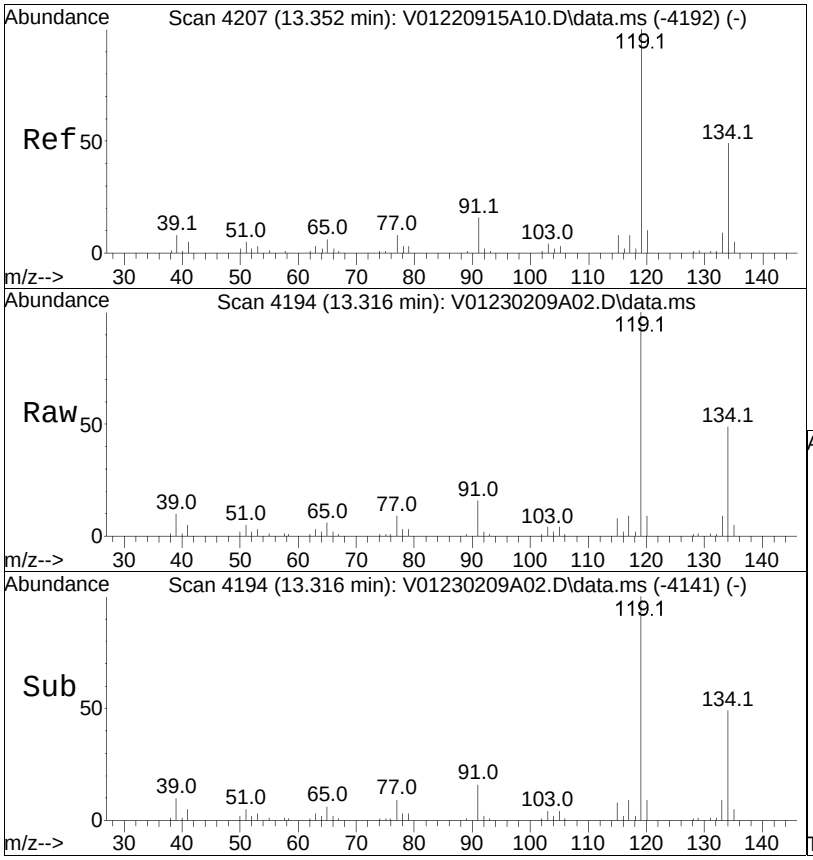


#104
1,2-Dichlorobenzene
Concen: 9.86 ug/L
RT: 12.736 min Scan# 3986
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:146 Resp: 178082

Ion	Ratio	Lower	Upper
146	100		
111	42.0	26.8	55.8
148	63.1	41.6	86.4

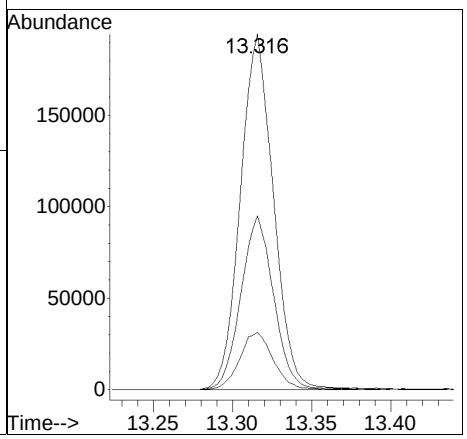


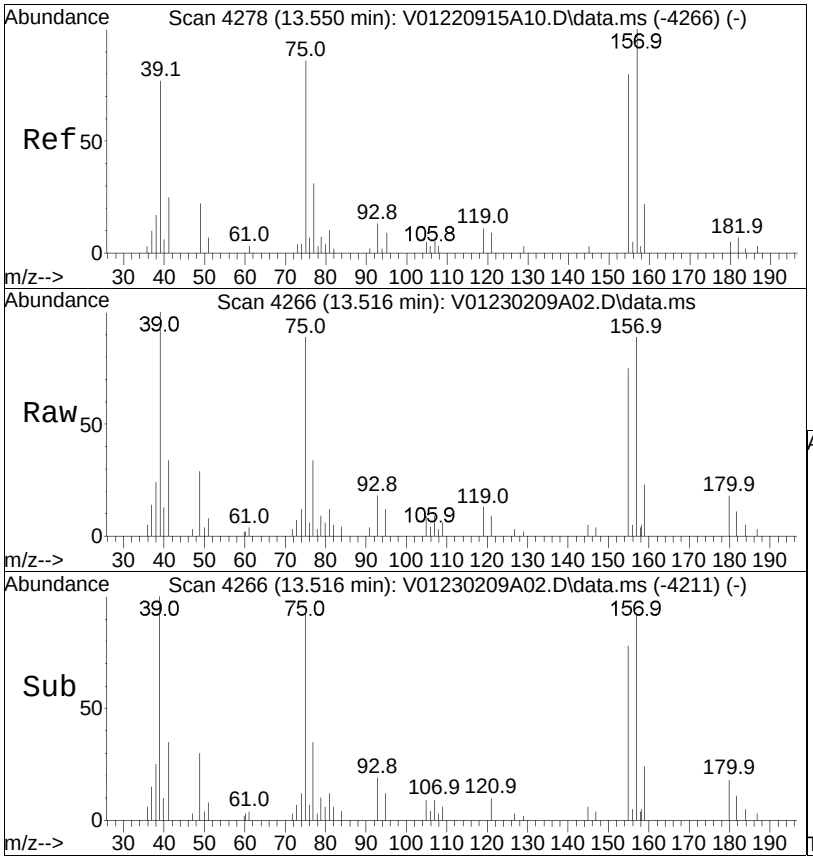


#105
1,2,4,5-Tetramethylbenzene
Concen: 10.21 ug/L
RT: 13.316 min Scan# 4194
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:119 Resp: 282475

Ion	Ratio	Lower	Upper
119	100		
134	48.4	31.9	66.1
91	16.2	10.3	21.5

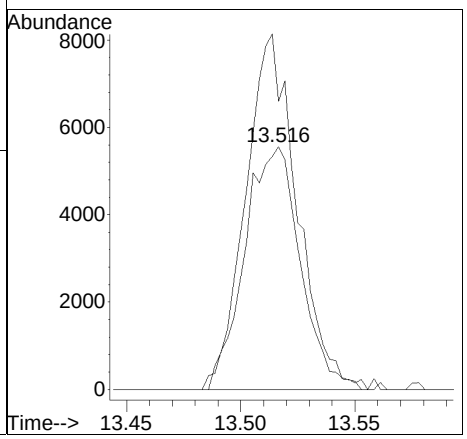


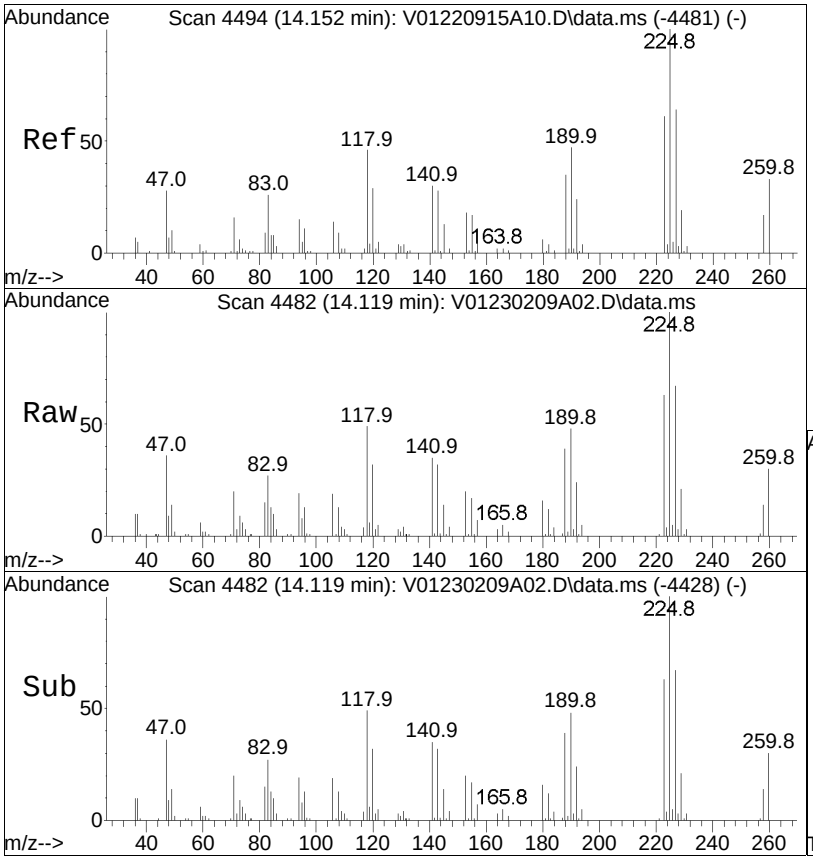


#106
1,2-Dibromo-3-chloropropane
Concen: 9.41 ug/L
RT: 13.516 min Scan# 4266
Delta R.T. 0.002 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:155 Resp: 9449

Ion	Ratio	Lower	Upper
155	100		
157	134.8	101.1	151.7

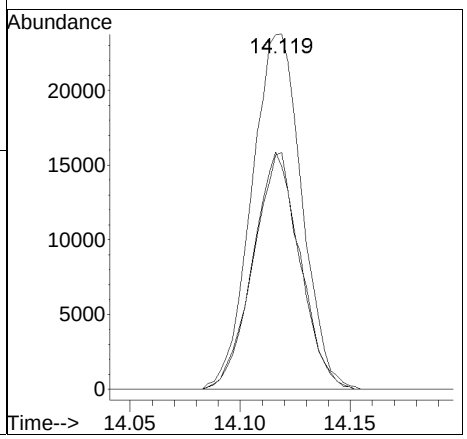


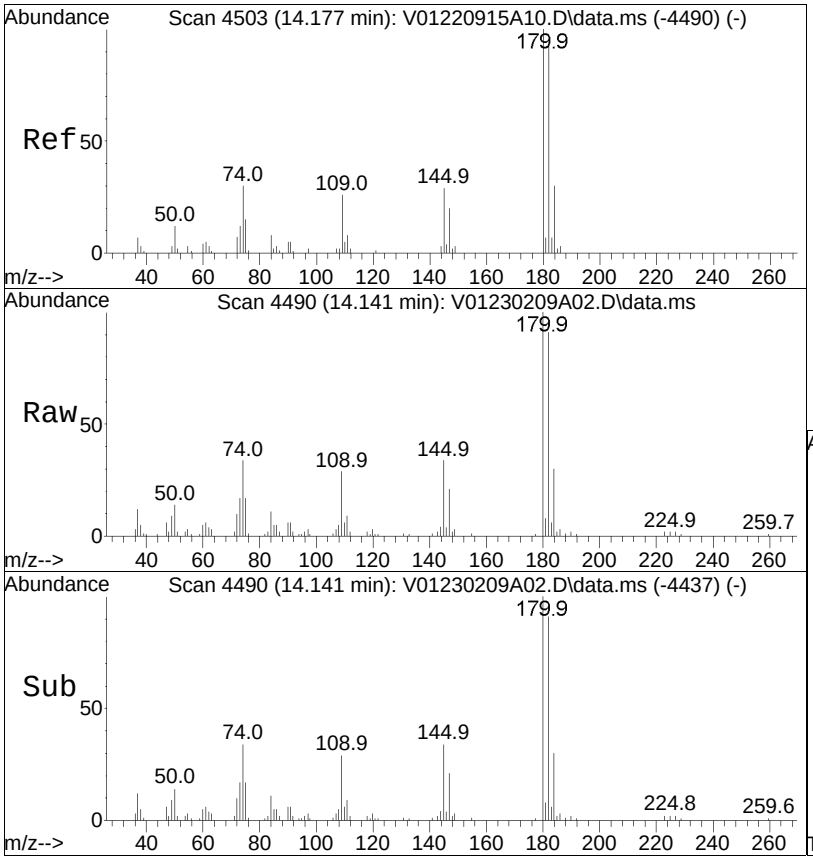


#108
Hexachlorobutadiene
Concen: 11.41 ug/L
RT: 14.119 min Scan# 4482
Delta R.T. -0.000 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:225 Resp: 37725

Ion	Ratio	Lower	Upper
225	100		
223	63.1	51.0	76.4
227	62.1	52.2	78.4

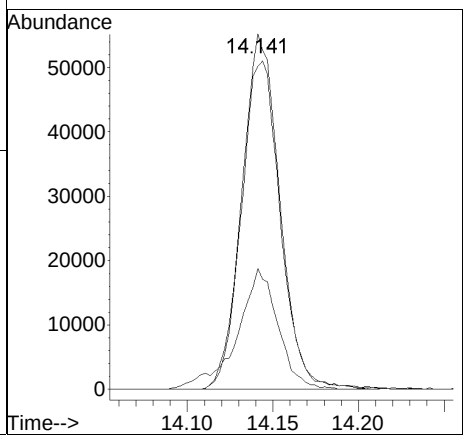


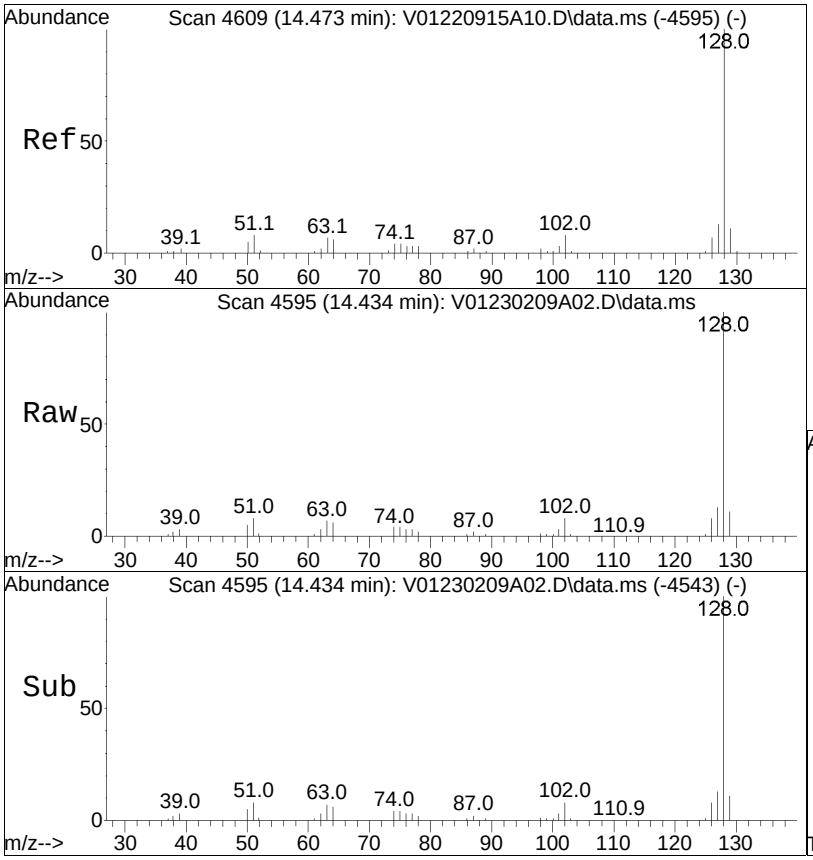


#109
1,2,4-Trichlorobenzene
Concen: 10.07 ug/L
RT: 14.141 min Scan# 4490
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:180 Resp: 85379

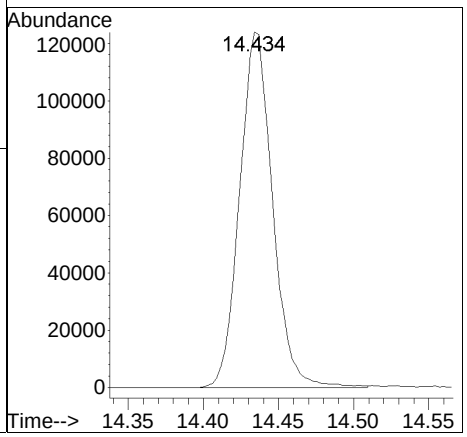
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.8	113.8
145	36.5	26.1	39.1

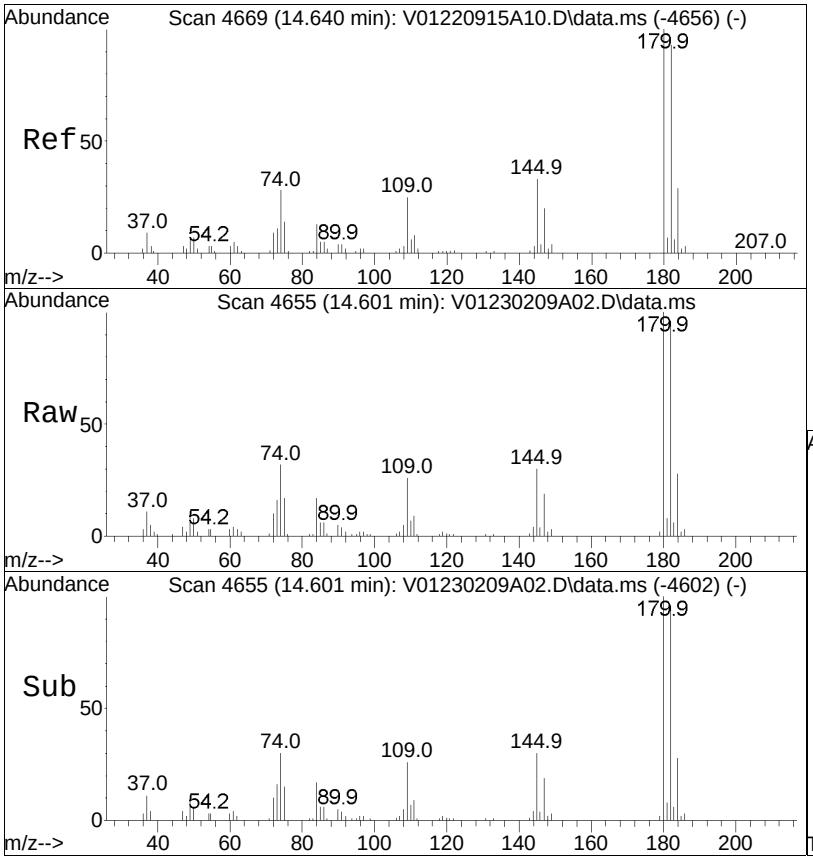




#110
Naphthalene
Concen: 10.02 ug/L
RT: 14.434 min Scan# 4595
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:128 Resp: 188775

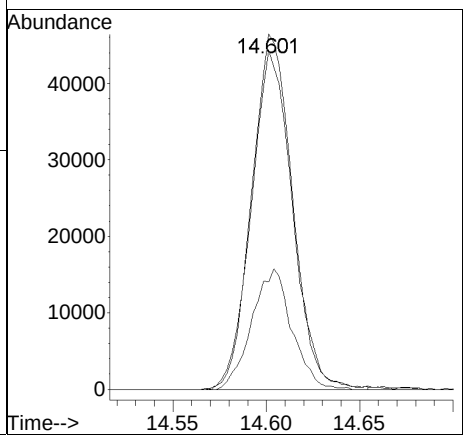




#111
1,2,3-Trichlorobenzene
Concen: 10.12 ug/L
RT: 14.601 min Scan# 4655
Delta R.T. -0.003 min
Lab File: V01230209A02.D
Acq: 9 Feb 2023 7:10 am

Tgt Ion:180 Resp: 70919

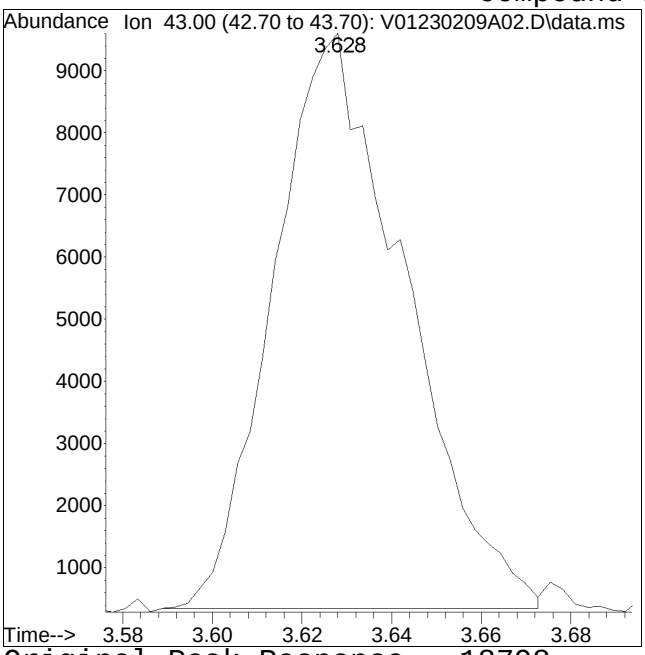
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.4	113.0
145	33.1	25.0	37.6



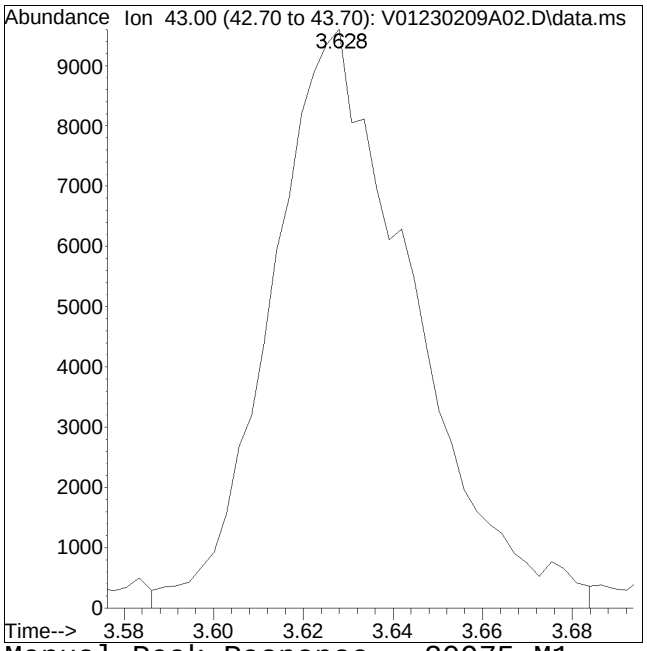
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2023\2QMethod : V101_221216A_8260.m
Data File : V01230209A02.D Operator : VOA101:PID
Date Inj'd : 2/9/2023 7:10 am Instrument : VOA 101
Sample : WG1742861-4,31,10,10,, Quant Date : 2/9/2023 7:33 am

Compound #17: Acetone



Original Peak Response = 18798



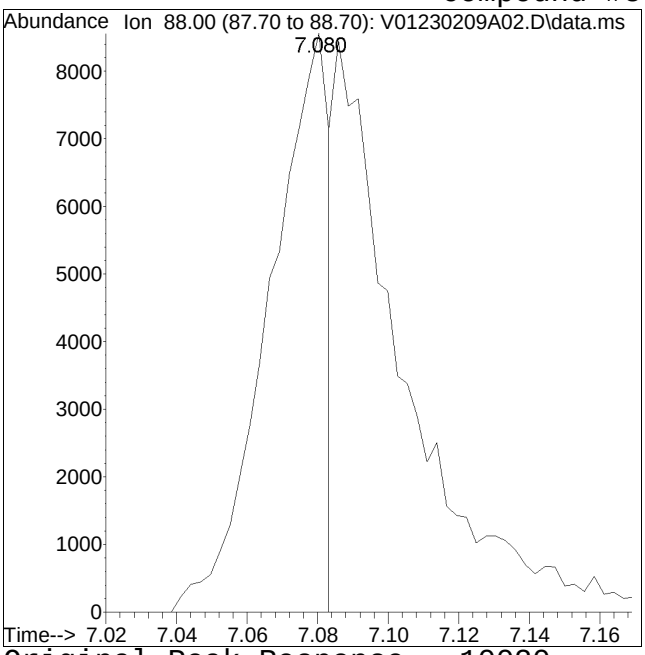
Manual Peak Response = 20975 M1

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

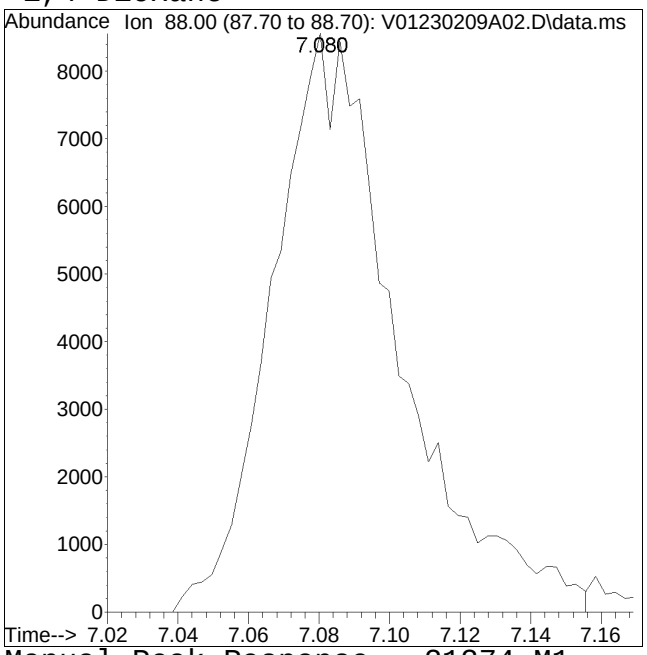
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2023\2QMethod : V101_221216A_8260.m
Data File : V01230209A02.D Operator : VOA101:PID
Date Inj'd : 2/9/2023 7:10 am Instrument : VOA 101
Sample : WG1742861-4,31,10,10,, Quant Date : 2/9/2023 7:33 am

Compound #57: 1,4-Dioxane



Original Peak Response = 10020



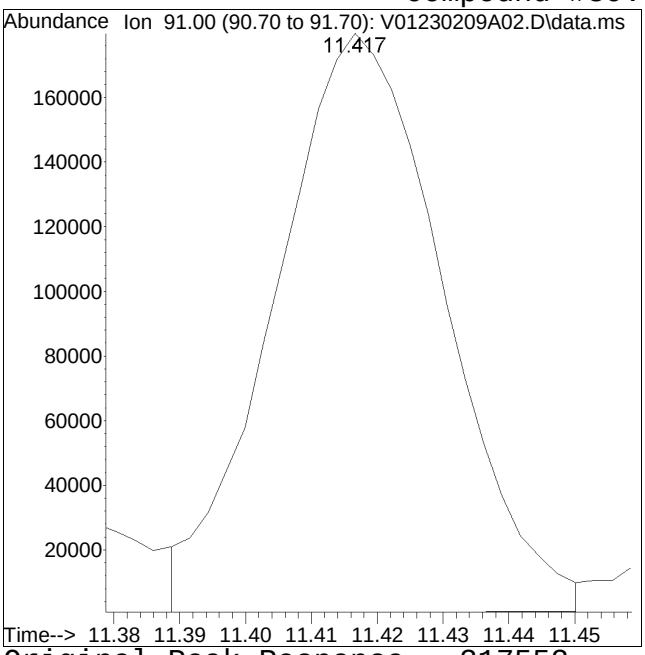
Manual Peak Response = 21274 M1

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

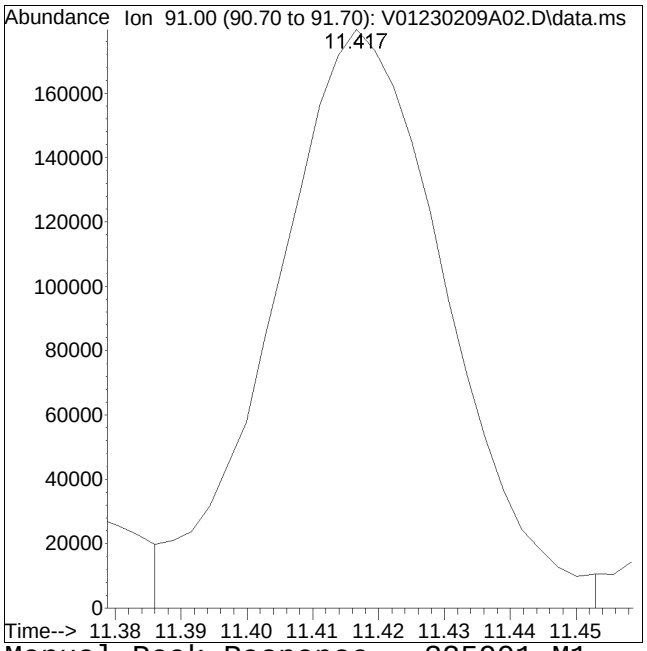
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2023\2QMethod : V101_221216A_8260.m
Data File : V01230209A02.D Operator : VOA101:PID
Date Inj'd : 2/9/2023 7:10 am Instrument : VOA 101
Sample : WG1742861-4,31,10,10,, Quant Date : 2/9/2023 7:33 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 317552



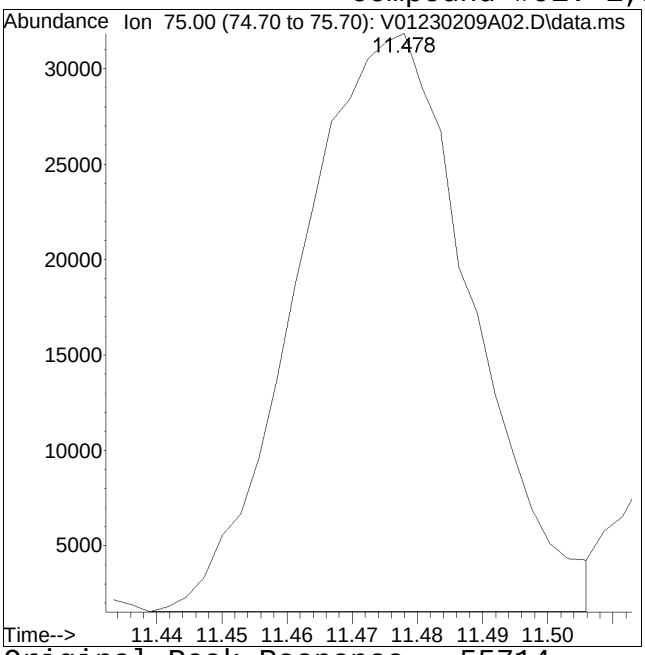
Manual Peak Response = 325901 M1

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

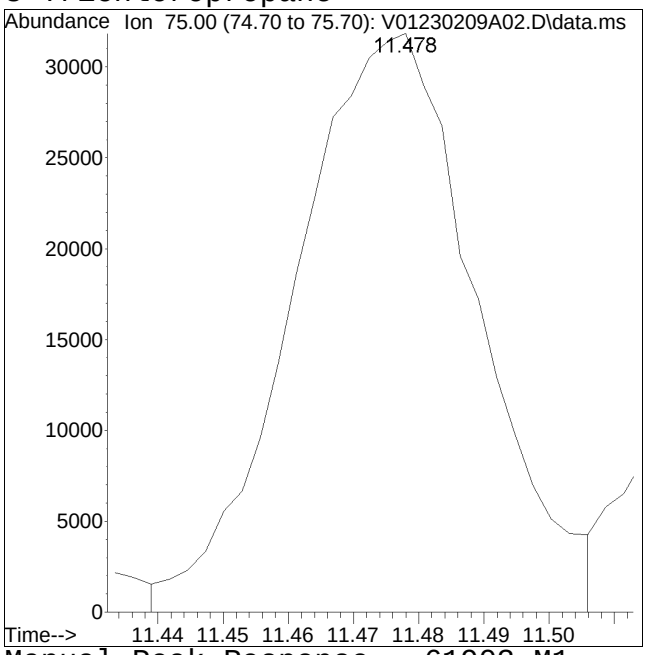
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2023\2QMethod : V101_221216A_8260.m
Data File : V01230209A02.D Operator : VOA101:PID
Date Inj'd : 2/9/2023 7:10 am Instrument : VOA 101
Sample : WG1742861-4,31,10,10,, Quant Date : 2/9/2023 7:33 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 55714



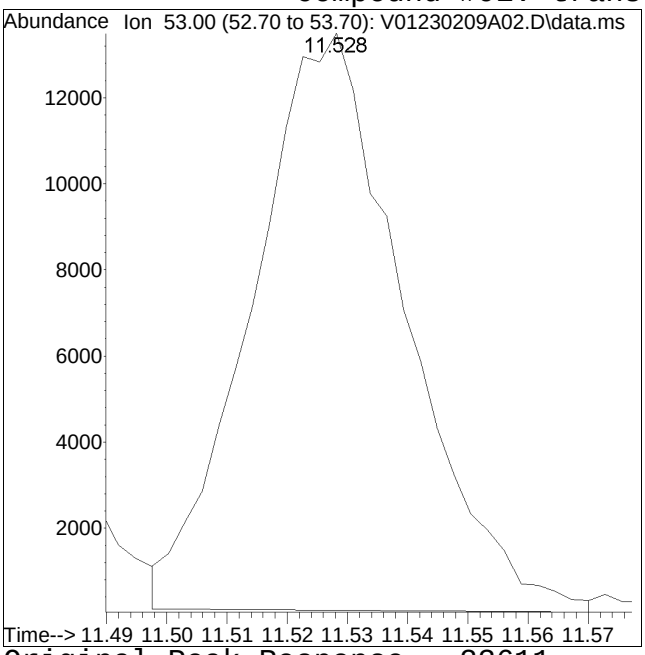
Manual Peak Response = 61903 M1

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

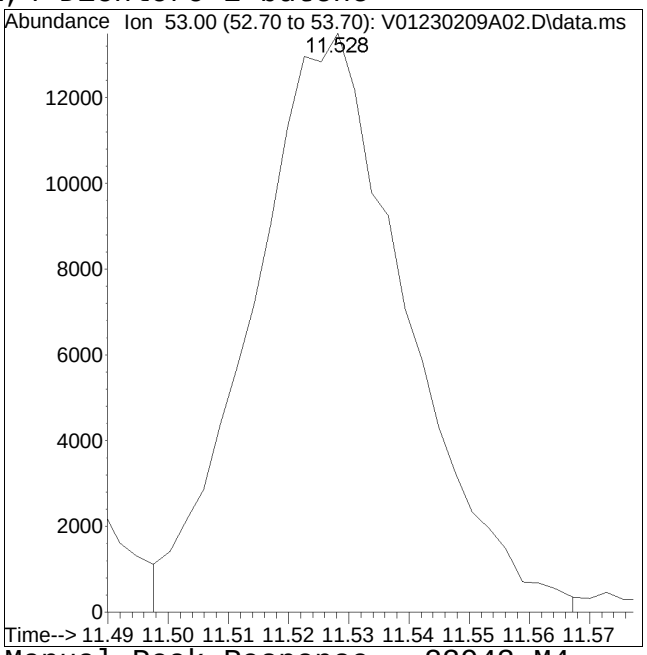
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2023\2QMethod : V101_221216A_8260.m
Data File : V01230209A02.D Operator : VOA101:PID
Date Inj'd : 2/9/2023 7:10 am Instrument : VOA 101
Sample : WG1742861-4,31,10,10,, Quant Date : 2/9/2023 7:33 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 23611



Manual Peak Response = 23943 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A03.D
Acq On : 10 Feb 2023 08:24 am
Operator : VOA111:NLK
Sample : WG1743940-4,31,5,5
Misc : WG1743940,ICAL19665
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 10 09:07:16 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230210A\V11230210A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	74559	20.000	ug/L	0.00
Standard Area 1 = 76148			Recovery =	97.91%		
59) Chlorobenzene-d5	9.846	117	54786	20.000	ug/L	0.00
Standard Area 1 = 56431			Recovery =	97.08%		
79) 1,4-Dichlorobenzene-d4	12.488	152	28199	20.000	ug/L	0.00
Standard Area 1 = 29151			Recovery =	96.73%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.431	113	18905	19.770	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.85%		
43) 1,2-Dichloroethane-d4	5.971	65	18809	19.839	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.19%		
60) Toluene-d8	7.979	98	72678	20.465	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.33%		
83) 4-Bromofluorobenzene	11.298	95	22579	18.989	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	94.95%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	29120	33.405	ug/L	98
3) Chloromethane	1.902	50	35593	34.947	ug/L	97
4) Vinyl chloride	1.960	62	51802	41.279	ug/L	97
5) Bromomethane	2.296	94	58178	42.201	ug/L	97
6) Chloroethane	2.432	64	24243	43.412	ug/L	97
7) Trichlorofluoromethane	2.584	101	47867	41.601	ug/L	100
8) Ethyl ether	2.904	74	15641	42.163	ug/L #	65
10) 1,1-Dichloroethene	3.108	96	29055	38.995	ug/L	79
11) Carbon disulfide	3.140	76	103640	62.278	ug/L	100
15) Methylene chloride	3.685	84	35767	33.142	ug/L	67
17) Acetone	3.722	43	10340	40.884	ug/L	95
18) trans-1,2-Dichloroethene	3.848	96	33708	37.952	ug/L	81
20) Methyl tert-butyl ether	3.947	73	82533	39.413	ug/L	85
23) 1,1-Dichloroethane	4.451	63	60384	37.597	ug/L	96
25) Acrylonitrile	4.487	53	8874	41.682	ug/L	97
27) Vinyl acetate	4.687	43	73859	41.993	ug/L #	90
28) cis-1,2-Dichloroethene	4.985	96	37423	37.193	ug/L #	81
29) 2,2-Dichloropropane	5.096	77	51172	38.930	ug/L	88
30) Bromochloromethane	5.179	128	17615	37.684	ug/L #	66
32) Chloroform	5.253	83	64251	37.956	ug/L	94

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A03.D
Acq On : 10 Feb 2023 08:24 am
Operator : VOA111:NLK
Sample : WG1743940-4,31,5,5
Misc : WG1743940,ICAL19665
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 10 09:07:16 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230210A\V11230210A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	5.400	117	44447	38.400	ug/L		98
37) 1,1,1-Trichloroethane	5.468	97	49537	39.303	ug/L		97
39) 2-Butanone	5.546	43	14016	42.668	ug/L		96
40) 1,1-Dichloropropene	5.588	75	42615	39.016	ug/L		99
41) Benzene	5.845	78	133186	37.803	ug/L	#	89
44) 1,2-Dichloroethane	6.045	62	43065	36.069	ug/L		98
48) Trichloroethene	6.448	95	35598	39.406	ug/L		98
50) Dibromomethane	6.889	93	21335	37.954	ug/L		95
51) 1,2-Dichloropropane	6.999	63	34878	37.767	ug/L		97
54) Bromodichloromethane	7.067	83	48730	37.723	ug/L		99
57) 1,4-Dioxane	7.282	88	15993	2168.098	ug/L	#	71
58) cis-1,3-Dichloropropene	7.764	75	57144	38.890	ug/L	#	87
61) Toluene	8.042	92	81594	38.533	ug/L		95
62) 4-Methyl-2-pentanone	8.467	58	9877	36.211	ug/L	#	84
63) Tetrachloroethene	8.493	166	33091	40.694	ug/L		98
65) trans-1,3-Dichloropropene	8.519	75	51120	38.817	ug/L		84
68) 1,1,2-Trichloroethane	8.708	83	24881	39.547	ug/L		98
69) Chlorodibromomethane	8.923	129	34730	39.141	ug/L		98
70) 1,3-Dichloropropane	9.033	76	49346	38.809	ug/L		99
71) 1,2-Dibromoethane	9.211	107	29009	40.977	ug/L		97
72) 2-Hexanone	9.479	43	19228	42.124	ug/L		91
73) Chlorobenzene	9.862	112	94091	38.038	ug/L	#	89
74) Ethylbenzene	9.903	91	155686	39.024	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.945	131	33279	39.254	ug/L		96
76) p/m Xylene	10.092	106	122468	80.587	ug/L		99
77) o Xylene	10.617	106	119394	81.288	ug/L		99
78) Styrene	10.679	104	205341	82.796	ug/L		94
80) Bromoform	10.700	173	21822	38.709	ug/L		99
82) Isopropylbenzene	10.989	105	151657	39.699	ug/L		100
84) Bromobenzene	11.413	156	37928	37.287	ug/L		99
85) n-Propylbenzene	11.455	91	190054	39.805	ug/L		99
87) 1,1,2,2-Tetrachloroethane	11.529	83	38134	39.849	ug/L		99
88) 4-Ethyltoluene	11.576	105	154590	40.397	ug/L		99
89) 2-Chlorotoluene	11.618	91	105483	37.664	ug/L		89
90) 1,3,5-Trimethylbenzene	11.670	105	129071	39.627	ug/L		100
91) 1,2,3-Trichloropropane	11.670	75	29299	39.031	ug/L		99
92) trans-1,4-Dichloro-2-b...	11.718	53	11114	44.451	ug/L	#	80
93) 4-Chlorotoluene	11.796	91	112254	38.564	ug/L		98
94) tert-Butylbenzene	12.011	119	108325	39.393	ug/L		98

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A03.D
Acq On : 10 Feb 2023 08:24 am
Operator : VOA111:NLK
Sample : WG1743940-4,31,5,5
Misc : WG1743940,ICAL19665
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 10 09:07:16 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230210A\V11230210A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	12.085	105	128140	39.513	ug/L	100
98) sec-Butylbenzene	12.195	105	170131	40.865	ug/L	99
99) p-Isopropyltoluene	12.347	119	142102	39.999	ug/L	98
100) 1,3-Dichlorobenzene	12.415	146	76111	38.639	ug/L	99
101) 1,4-Dichlorobenzene	12.504	146	77968	38.537	ug/L	99
102) p-Diethylbenzene	12.714	119	86977	40.771	ug/L	99
103) n-Butylbenzene	12.766	91	135989	41.504	ug/L	97
104) 1,2-Dichlorobenzene	12.924	146	71232	38.209	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.495	119	130772	39.248	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.689	155	5487	38.820	ug/L	96
108) Hexachlorobutadiene	14.297	225	22618	39.101	ug/L	99
109) 1,2,4-Trichlorobenzene	14.318	180	47290	40.232	ug/L	99
110) Naphthalene	14.612	128	102150	40.424	ug/L	100
111) 1,2,3-Trichlorobenzene	14.780	180	40494	41.264	ug/L	99

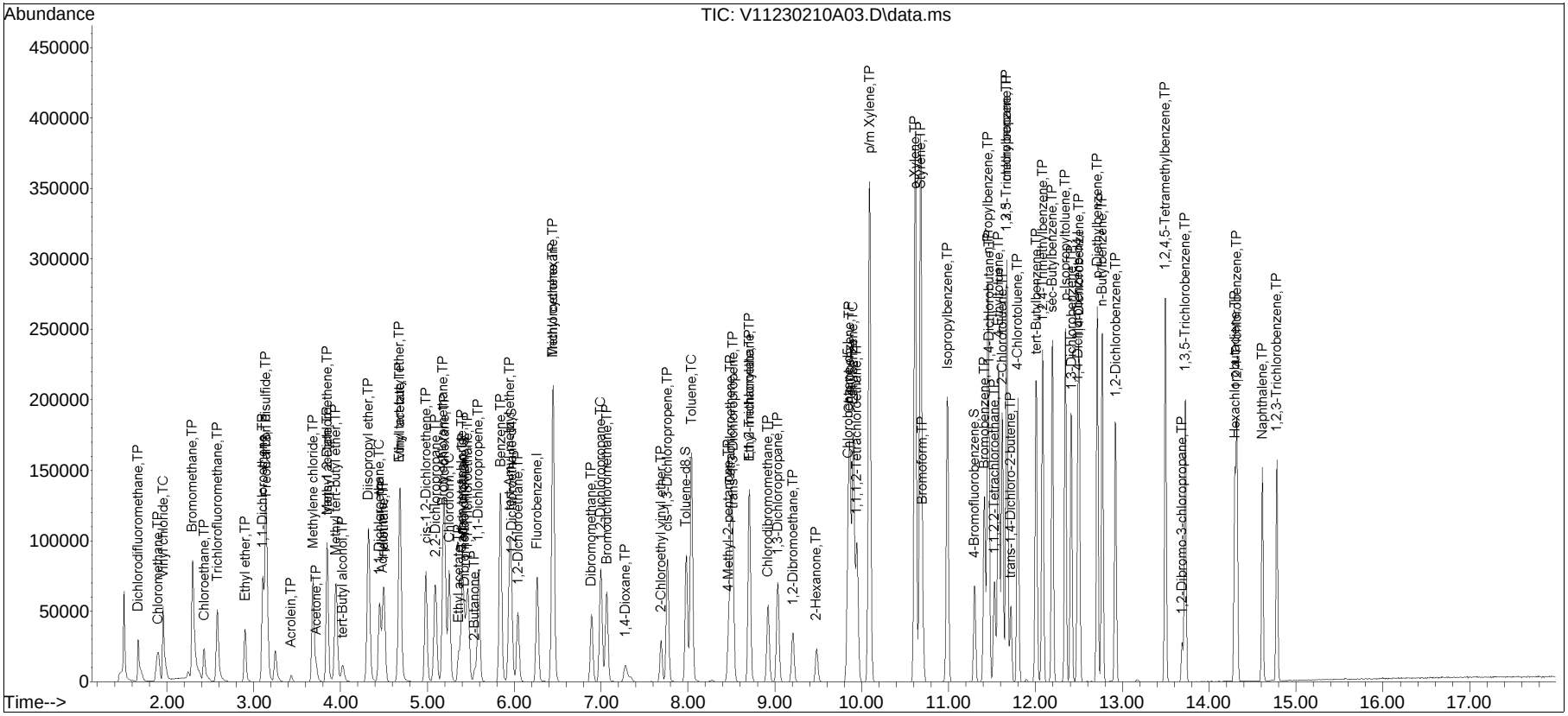
(#) = qualifier out of range (m) = manual integration (+) = signals summed

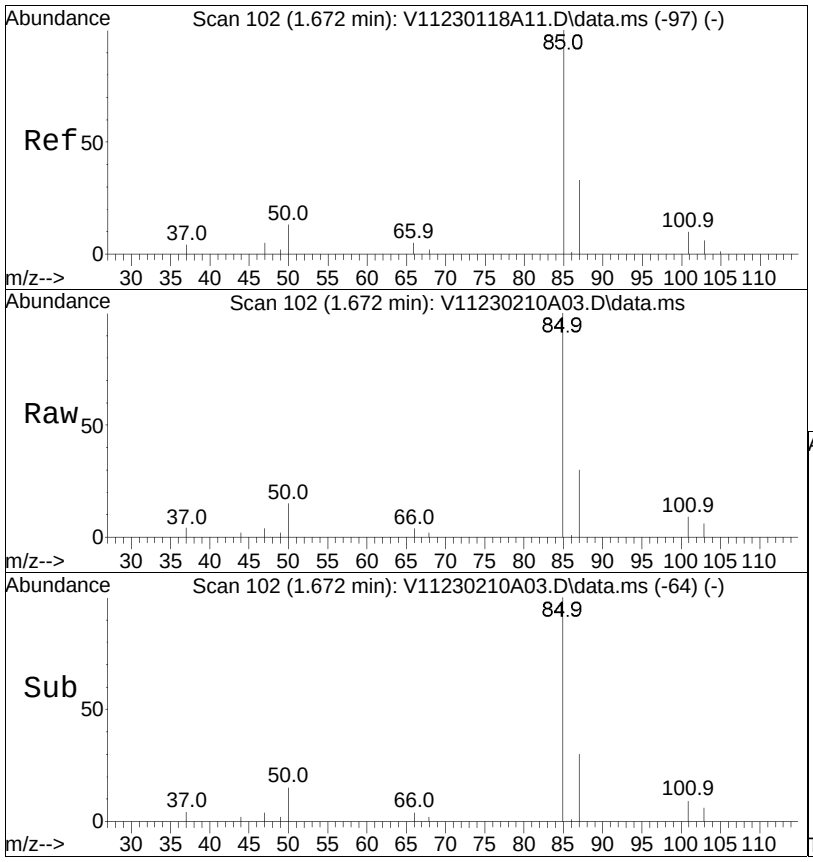
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230210A\
Data File : V11230210A03.D
Acq On : 10 Feb 2023 08:24 am
Operator : VOA111:NLK
Sample : WG1743940-4,31,5,5
Misc : WG1743940,ICAL19665
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 10 09:07:16 2023
Quant Method : I:\VOLATILES\VOA111\2023\230210A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox0A\V11230210A01.D•

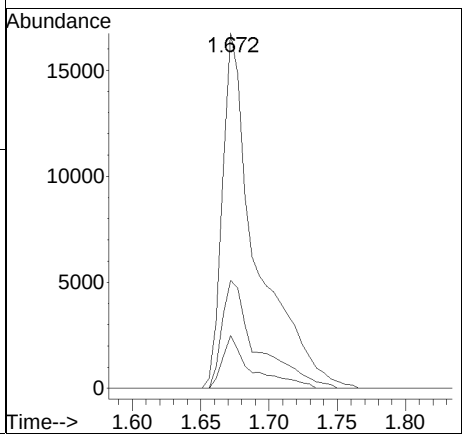


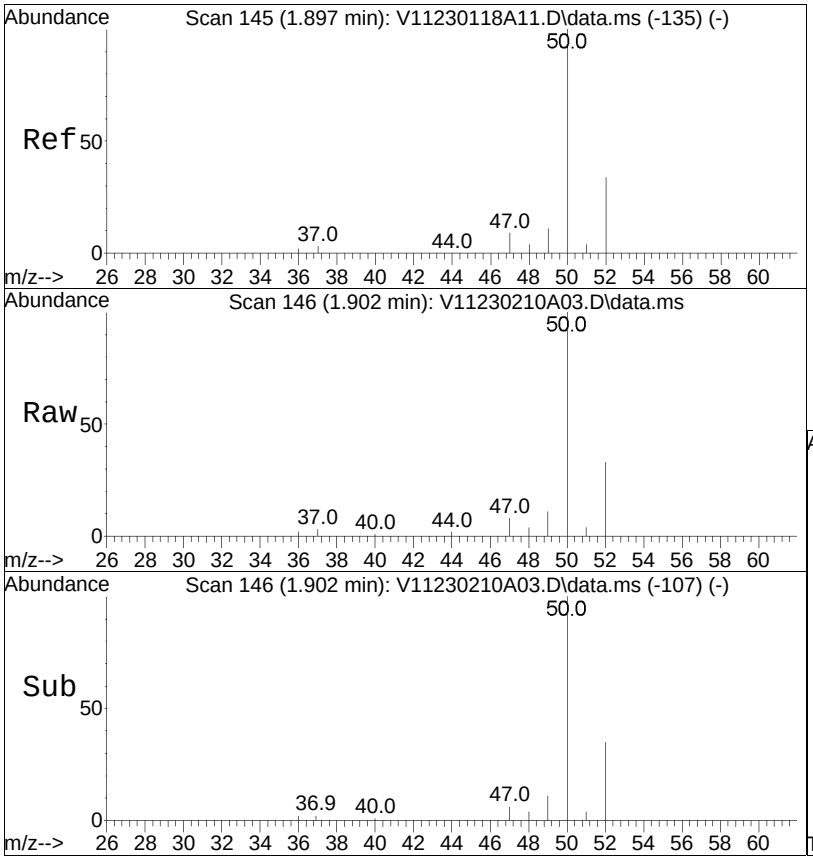


#2
Dichlorodifluoromethane
Concen: 33.41 ug/L
RT: 1.672 min Scan# 102
Delta R.T. -0.000 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 85 Resp: 29120

Ion	Ratio	Lower	Upper
85	100		
87	31.5	20.7	43.1
50	12.8	9.8	20.3

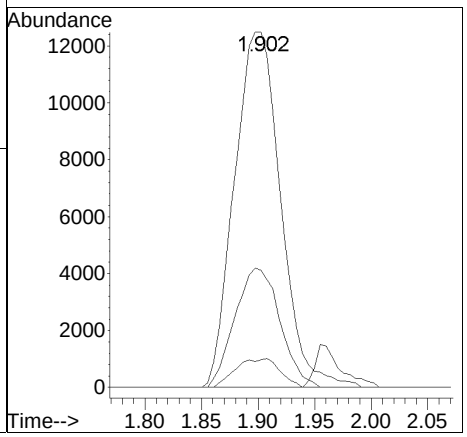


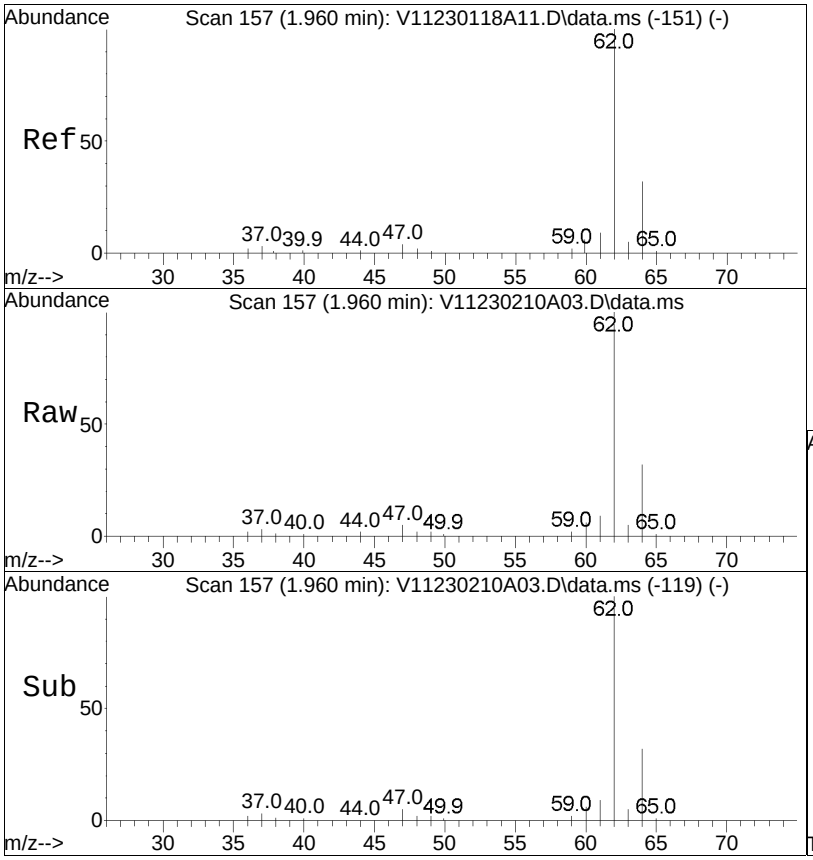


#3
Chloromethane
Concen: 34.95 ug/L
RT: 1.902 min Scan# 146
Delta R.T. 0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 50 Resp: 35593

Ion	Ratio	Lower	Upper
50	100		
52	32.7	10.9	50.9
47	7.8	0.0	27.2

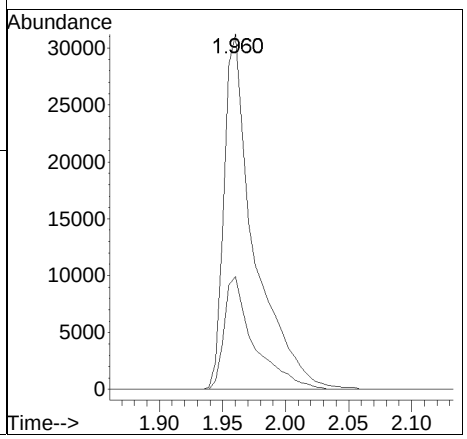


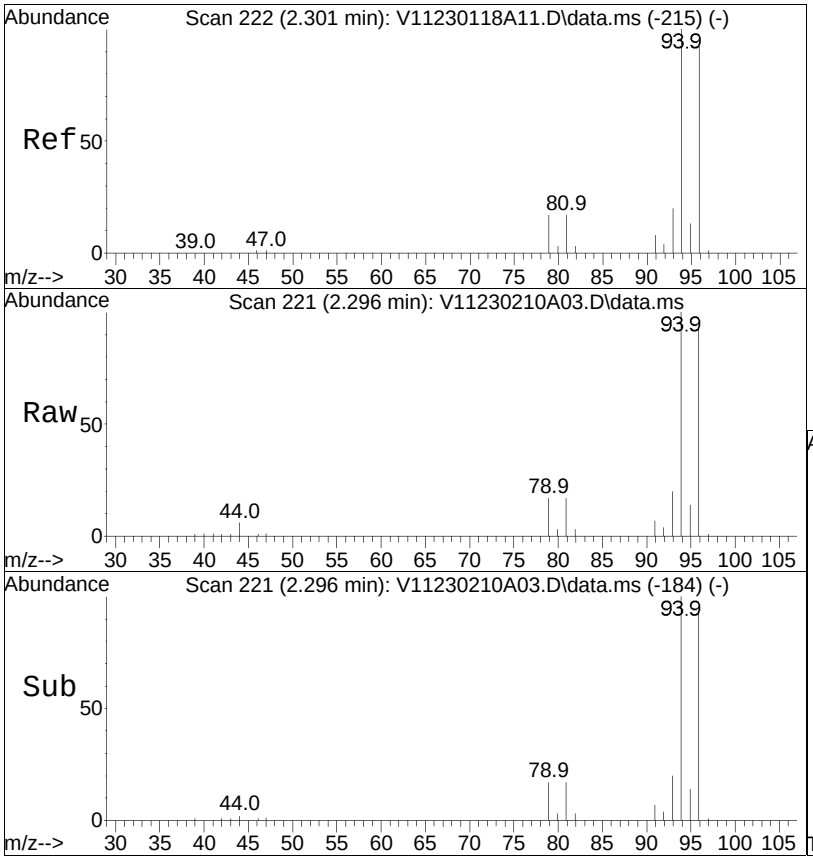


#4
Vinyl chloride
Concen: 41.28 ug/L
RT: 1.960 min Scan# 157
Delta R.T. 0.000 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 62 Resp: 51802

Ion	Ratio	Lower	Upper
62	100		
64	31.6	9.9	49.9

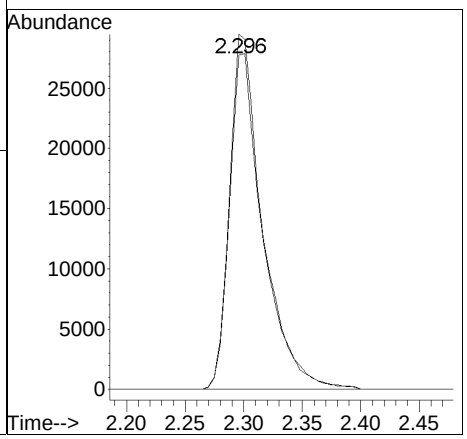


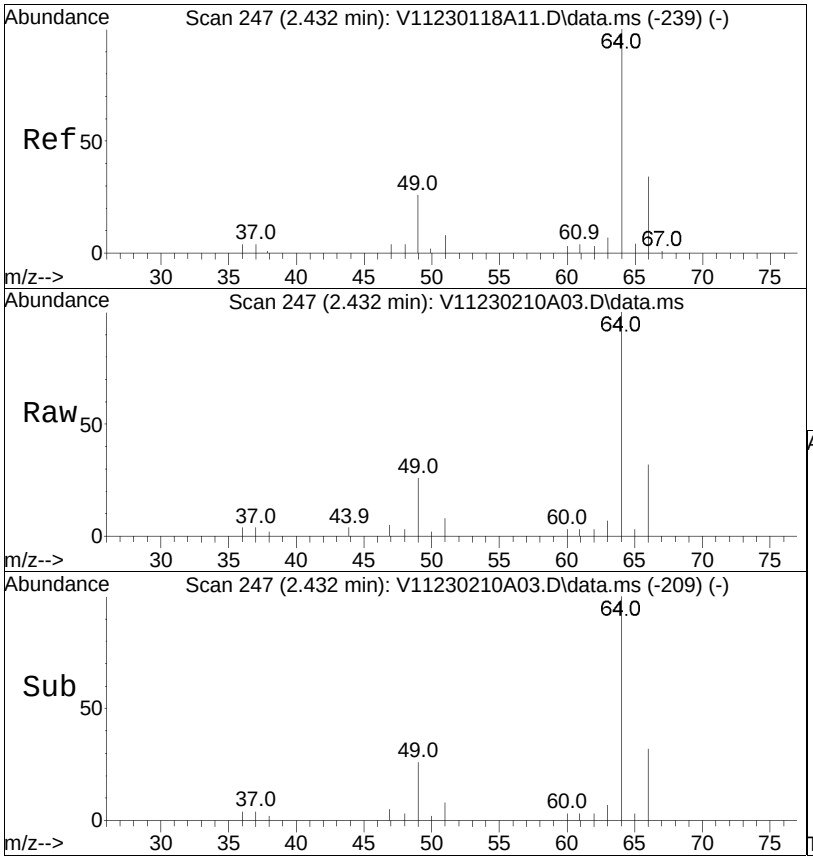


#5
Bromomethane
Concen: 42.20 ug/L
RT: 2.296 min Scan# 221
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 94 Resp: 58178

Ion	Ratio	Lower	Upper
94	100		
96	95.1	72.6	112.6

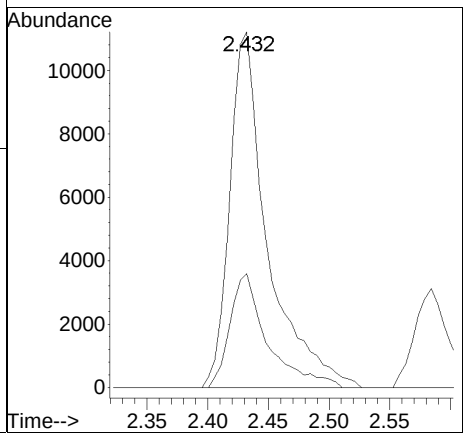


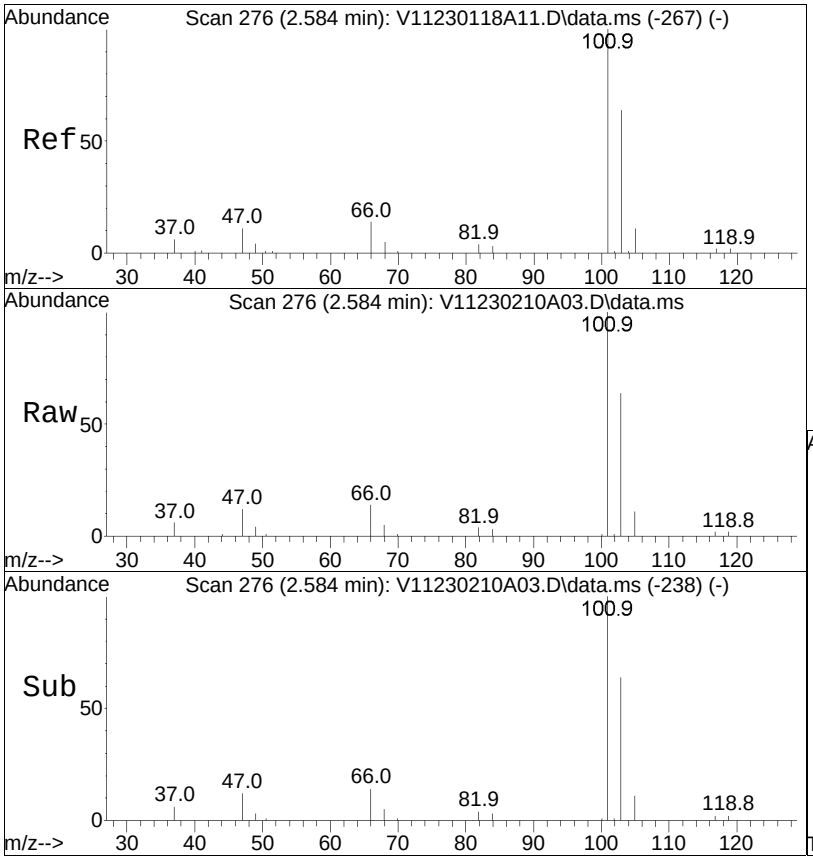


#6
Chloroethane
Concen: 43.41 ug/L
RT: 2.432 min Scan# 247
Delta R.T. 0.000 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 64 Resp: 24243

Ion	Ratio	Lower	Upper
64	100		
66	31.8	10.2	50.2

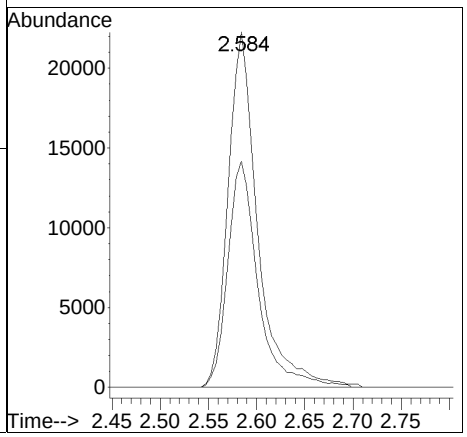


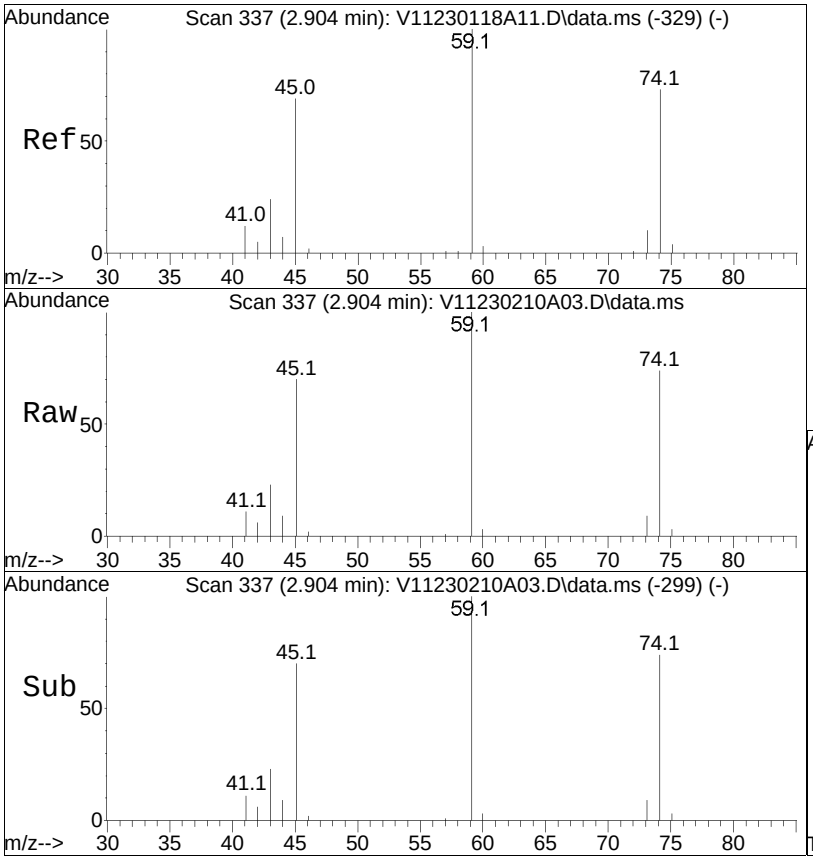


#7
Trichlorofluoromethane
Concen: 41.60 ug/L
RT: 2.584 min Scan# 276
Delta R.T. 0.000 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:101 Resp: 47867

Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.8	77.6

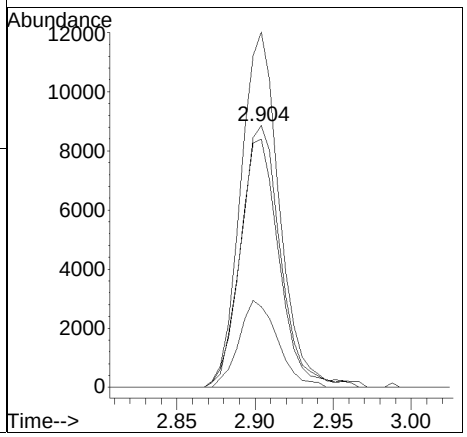


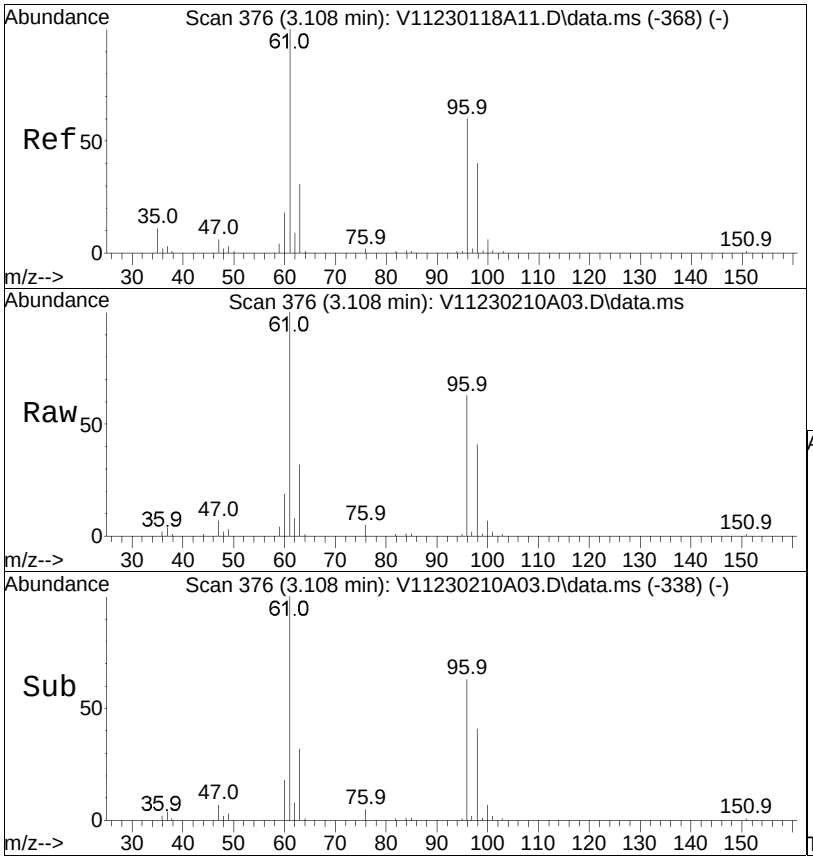


#8
Ethyl ether
Concen: 42.16 ug/L
RT: 2.904 min Scan# 337
Delta R.T. -0.000 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 74 Resp: 15641

Ion	Ratio	Lower	Upper
74	100		
59	133.8	113.5	235.7
45	94.1	100.4	208.4#
43	32.6	27.1	56.3

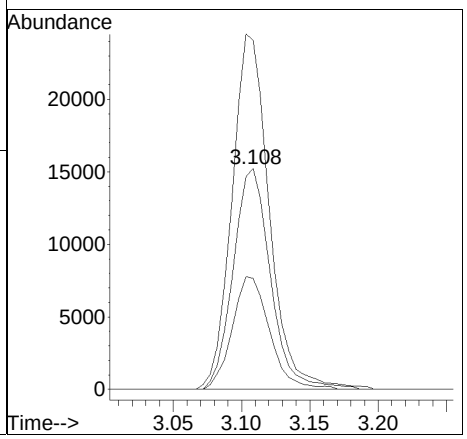


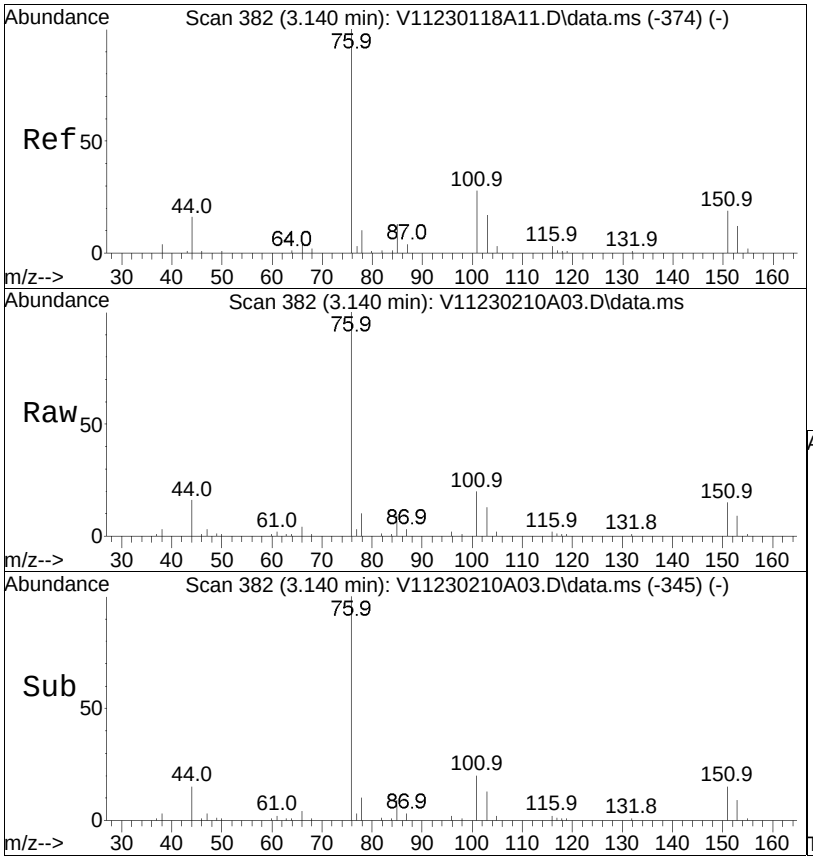


#10
1,1-Dichloroethene
Concen: 38.99 ug/L
RT: 3.108 min Scan# 376
Delta R.T. 0.000 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 96 Resp: 29055

Ion	Ratio	Lower	Upper
96	100		
61	160.6	157.7	236.5
63	51.1	47.9	71.9

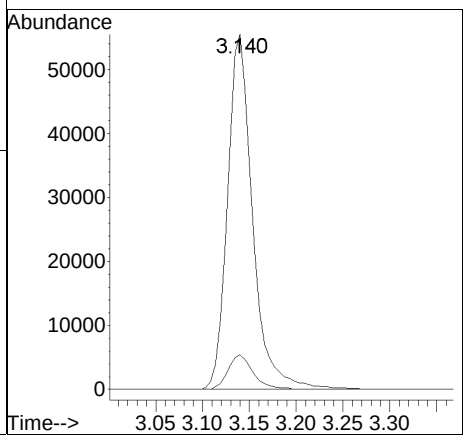


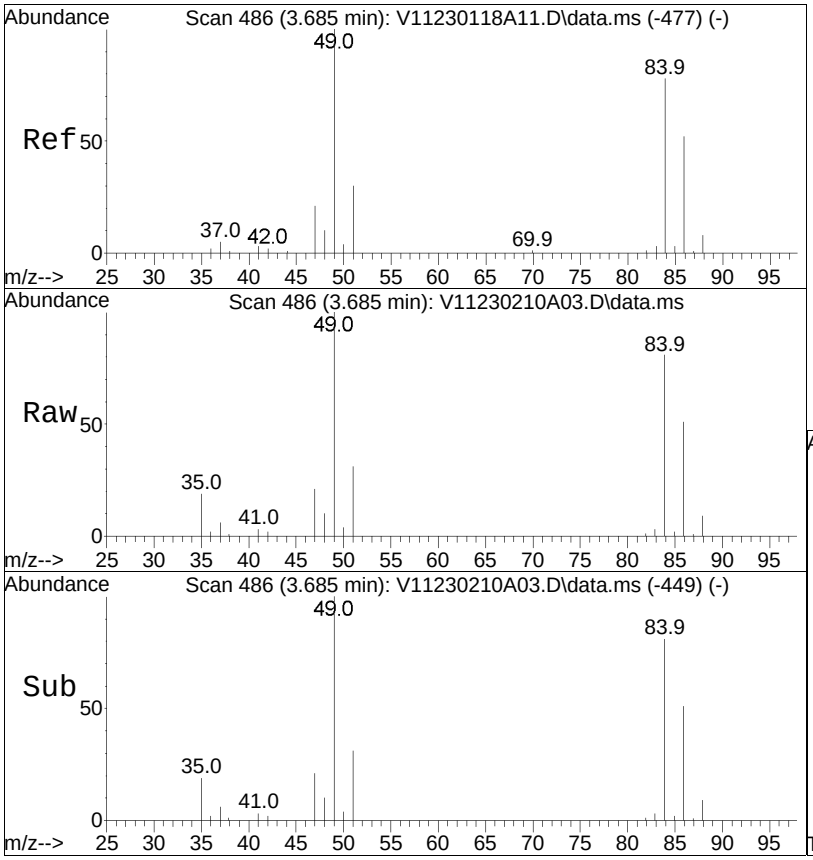


#11
Carbon disulfide
Concen: 62.28 ug/L
RT: 3.140 min Scan# 382
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 76 Resp: 103640

Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.4	13.4

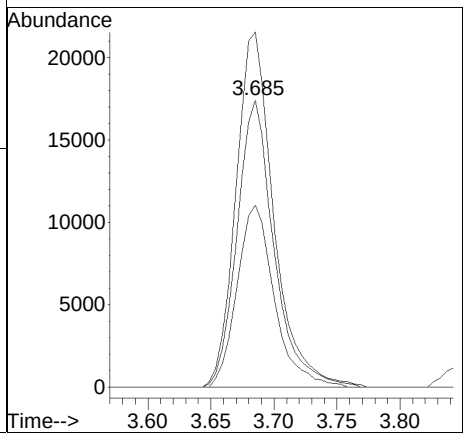


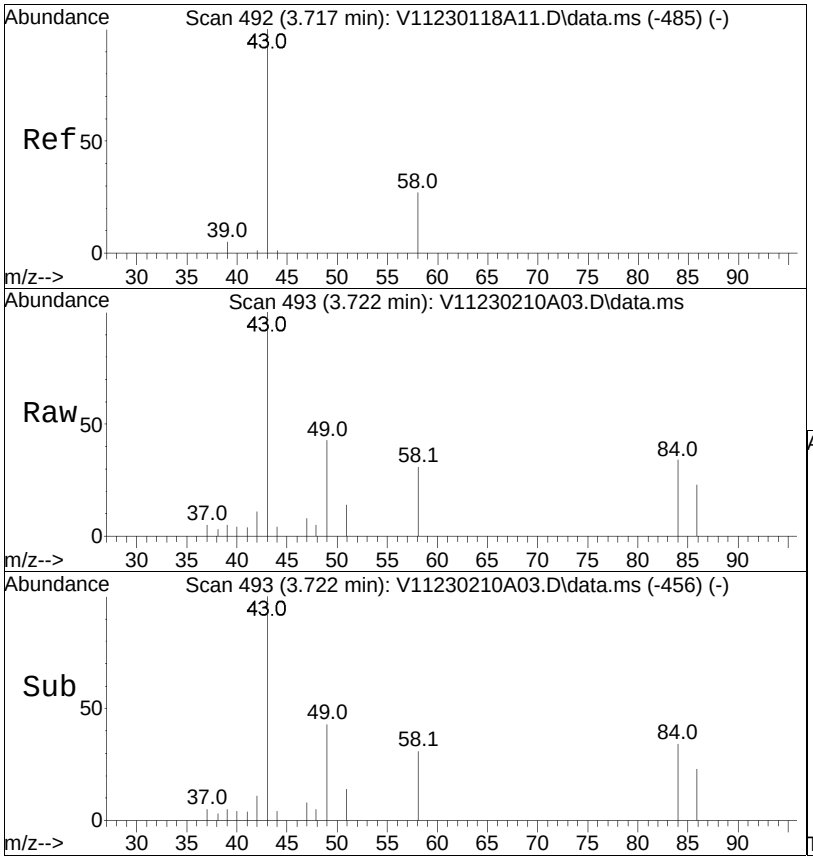


#15
Methylene chloride
Concen: 33.14 ug/L
RT: 3.685 min Scan# 486
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 84 Resp: 35767

Ion	Ratio	Lower	Upper
84	100		
86	64.1	41.1	85.3
49	126.3	124.2	258.0

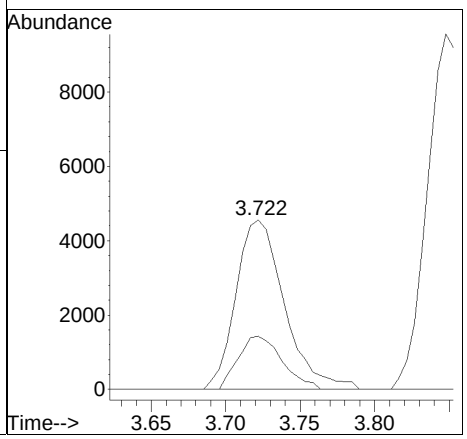


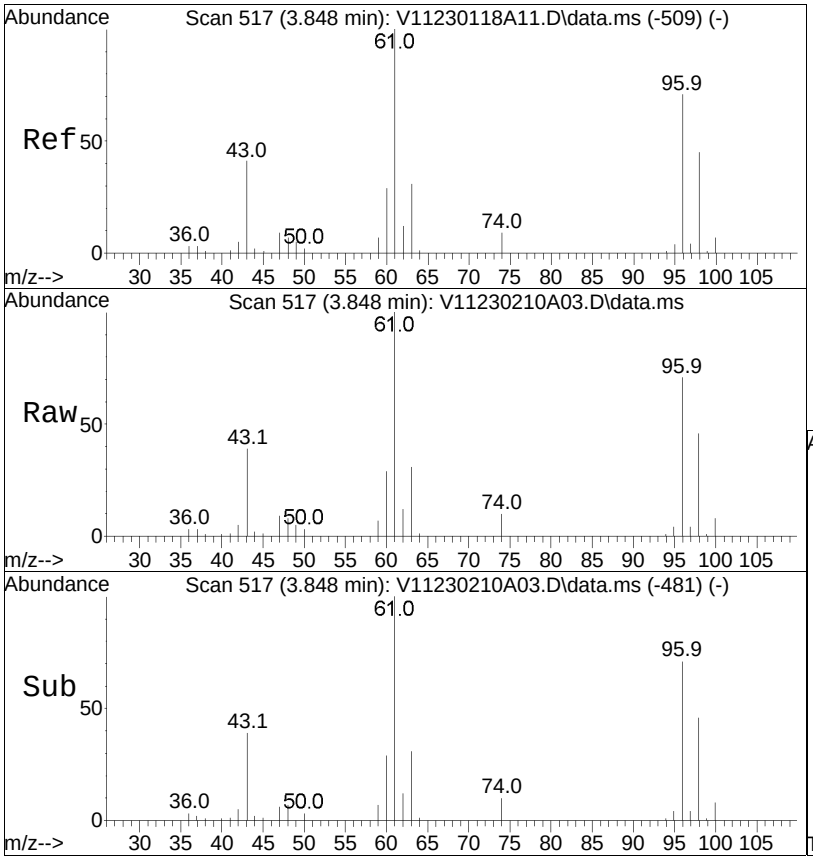


#17
Acetone
Concen: 40.88 ug/L
RT: 3.722 min Scan# 493
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 43 Resp: 10340

Ion	Ratio	Lower	Upper
43	100		
58	28.6	20.8	31.2

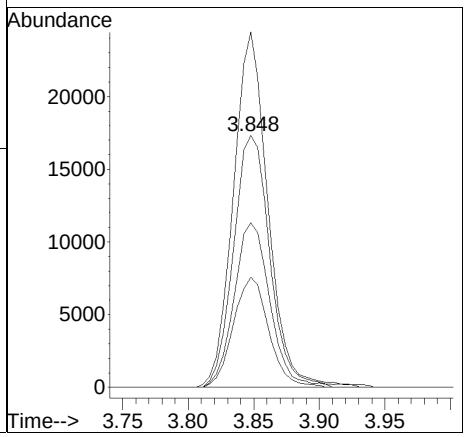


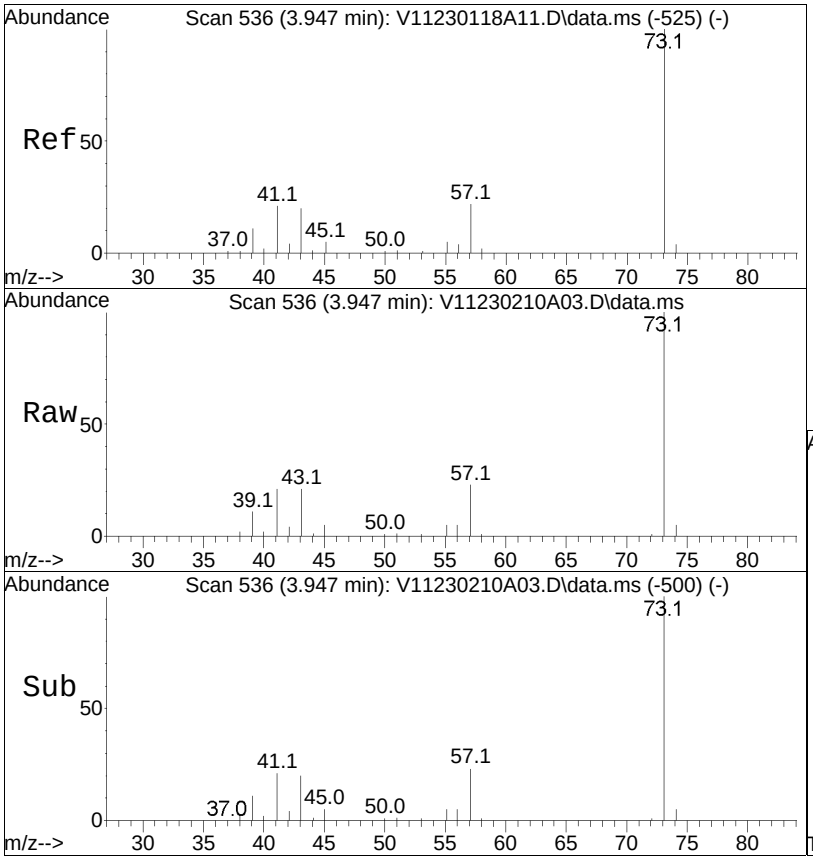


#18
trans-1,2-Dichloroethene
Concen: 37.95 ug/L
RT: 3.848 min Scan# 517
Delta R.T. -0.010 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 96 Resp: 33708

Ion	Ratio	Lower	Upper
96	100		
61	133.7	111.1	230.8
98	64.1	41.8	86.8
63	42.3	33.3	69.1

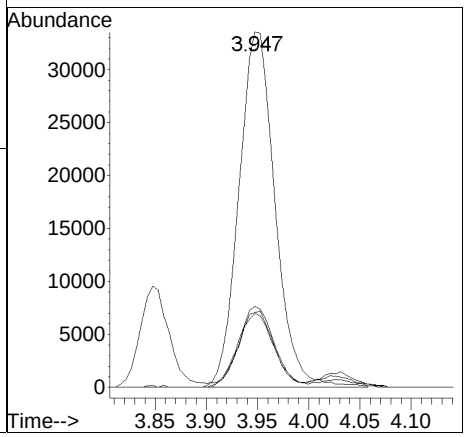


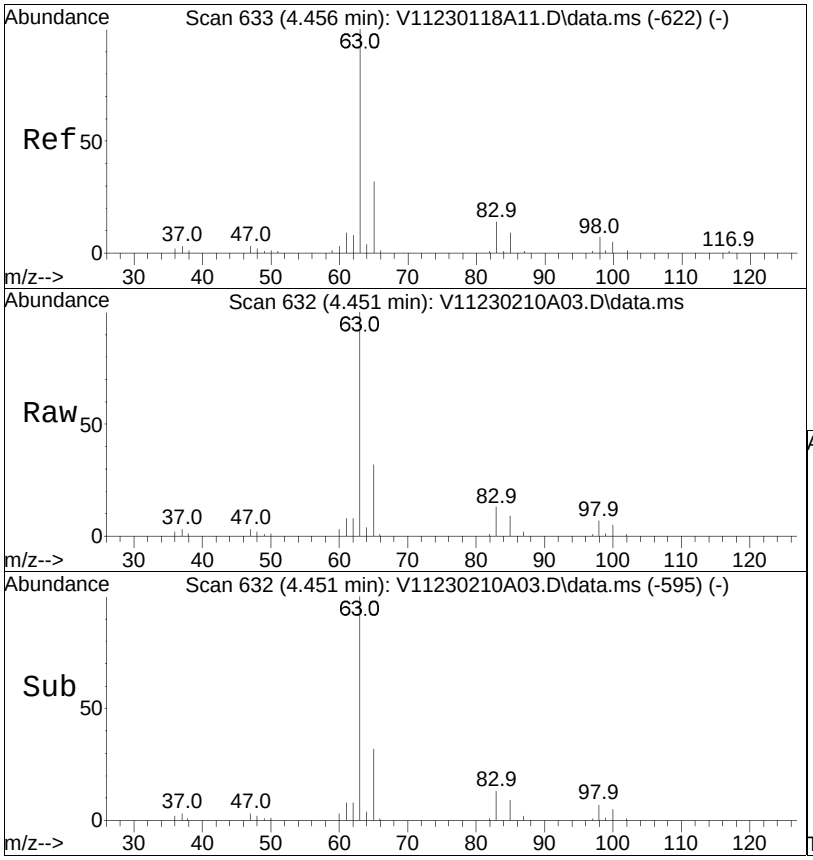


#20
Methyl tert-butyl ether
Concen: 39.41 ug/L
RT: 3.947 min Scan# 536
Delta R.T. -0.011 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 73 Resp: 82533

Ion	Ratio	Lower	Upper
73	100		
57	22.6	19.6	40.6
43	21.7	18.5	38.3
41	20.8	20.3	42.1

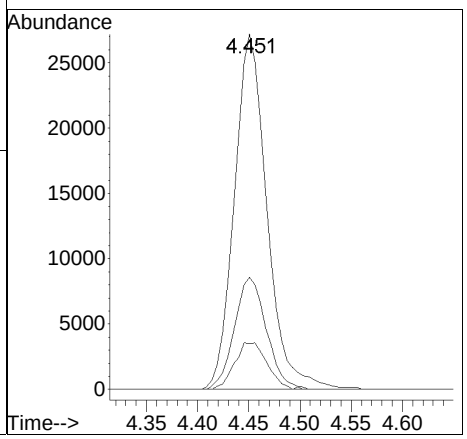


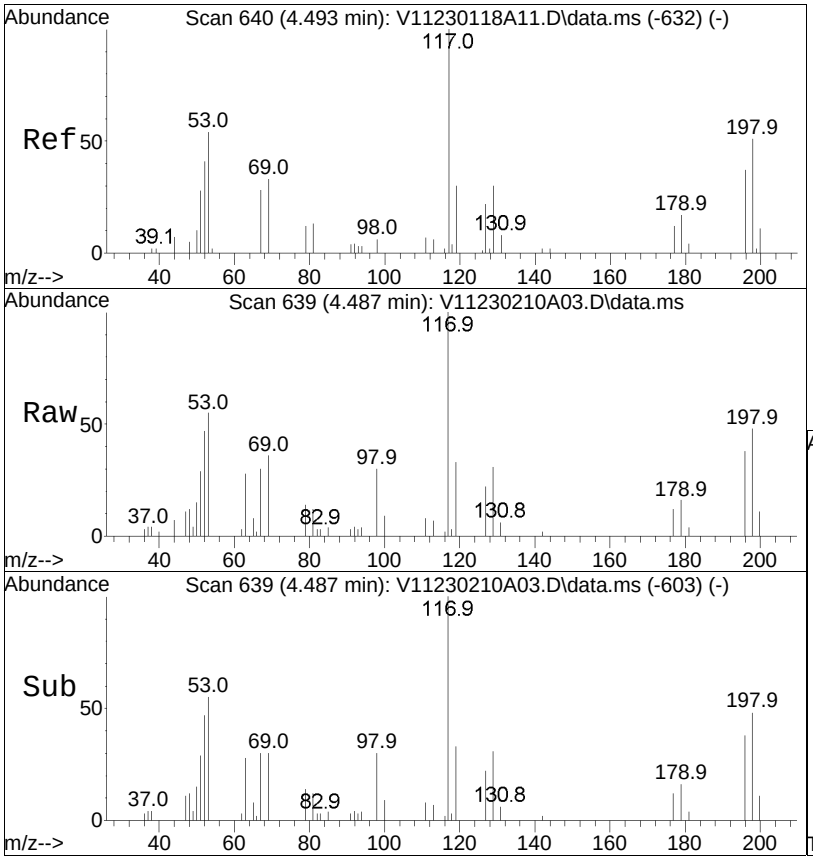


#23
1,1-Dichloroethane
Concen: 37.60 ug/L
RT: 4.451 min Scan# 632
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 63 Resp: 60384

Ion	Ratio	Lower	Upper
63	100		
65	30.9	9.0	49.0
83	13.1	0.0	31.4

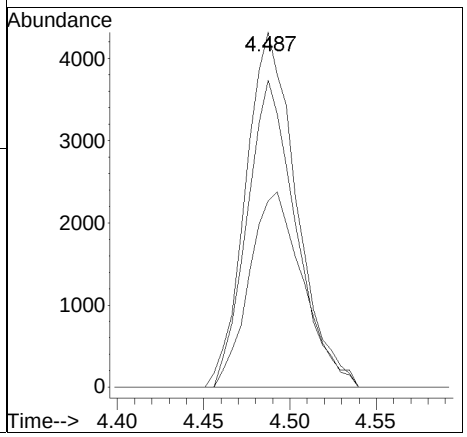


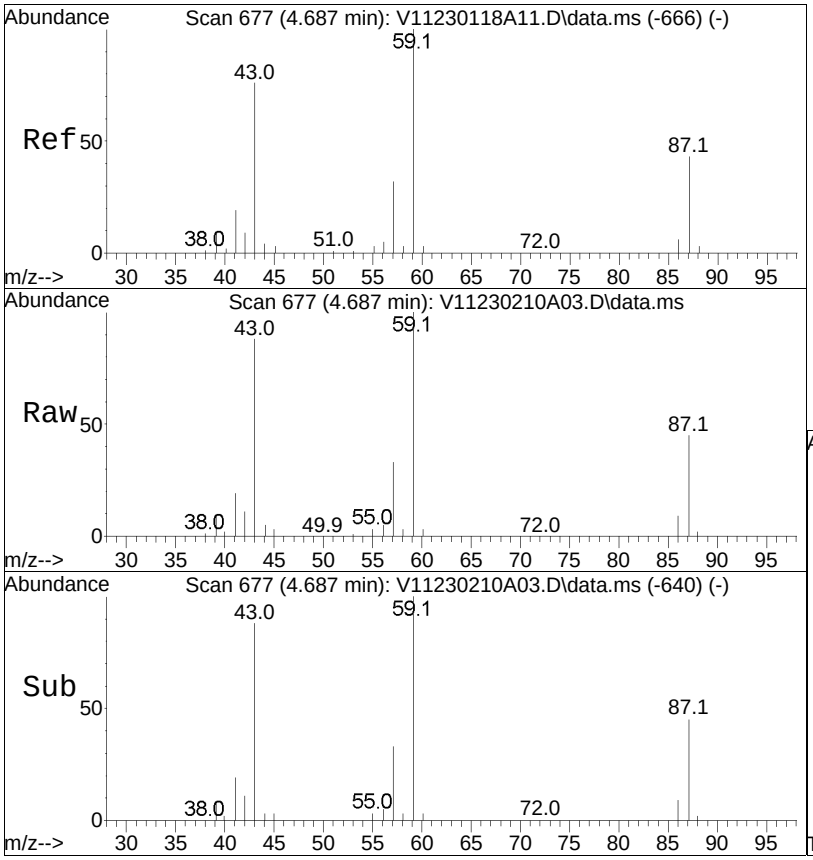


#25
Acrylonitrile
Concen: 41.68 ug/L
RT: 4.487 min Scan# 639
Delta R.T. -0.011 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 53 Resp: 8874

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.9	100.3
51	58.5	42.6	63.8

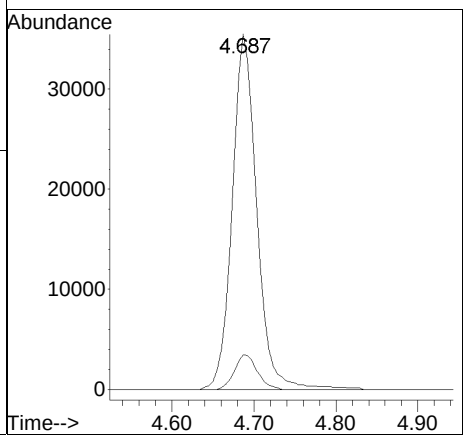


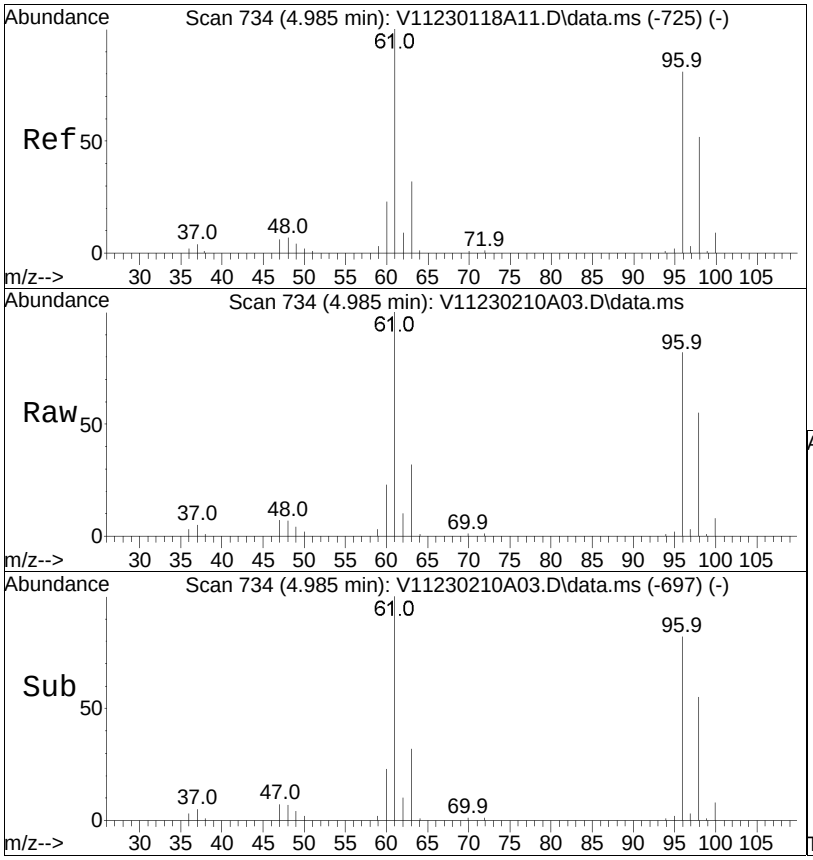


#27
Vinyl acetate
Concen: 41.99 ug/L
RT: 4.687 min Scan# 677
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 43 Resp: 73859

Ion	Ratio	Lower	Upper
43	100		
86	9.0	4.6	6.8#

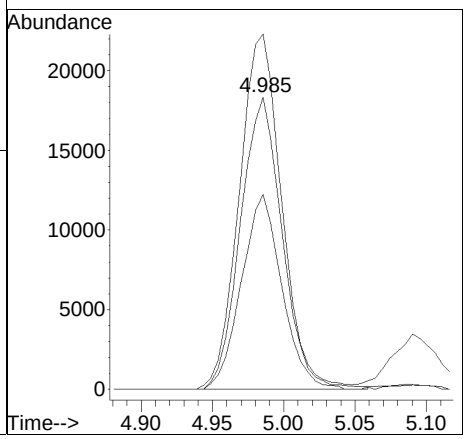


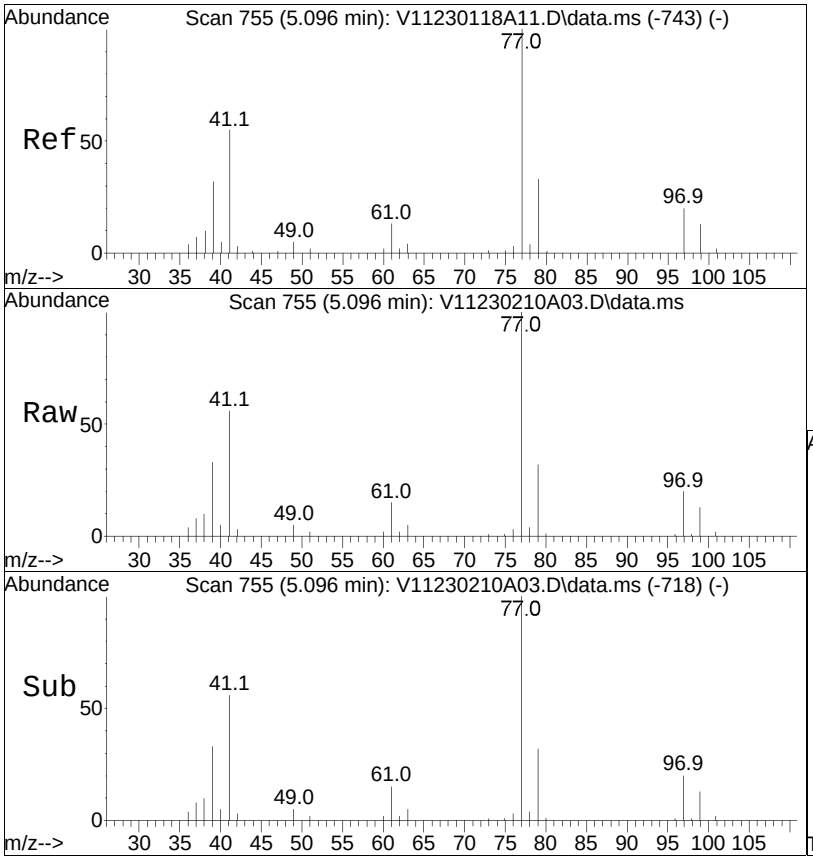


#28
cis-1,2-Dichloroethene
Concen: 37.19 ug/L
RT: 4.985 min Scan# 734
Delta R.T. -0.006 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 96 Resp: 37423

Ion	Ratio	Lower	Upper
96	100		
61	123.6	126.3	189.5#
98	64.8	51.0	76.6

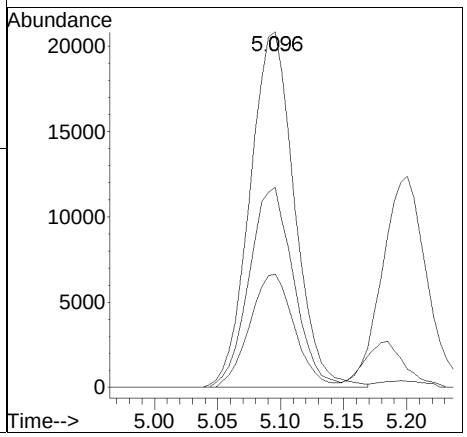


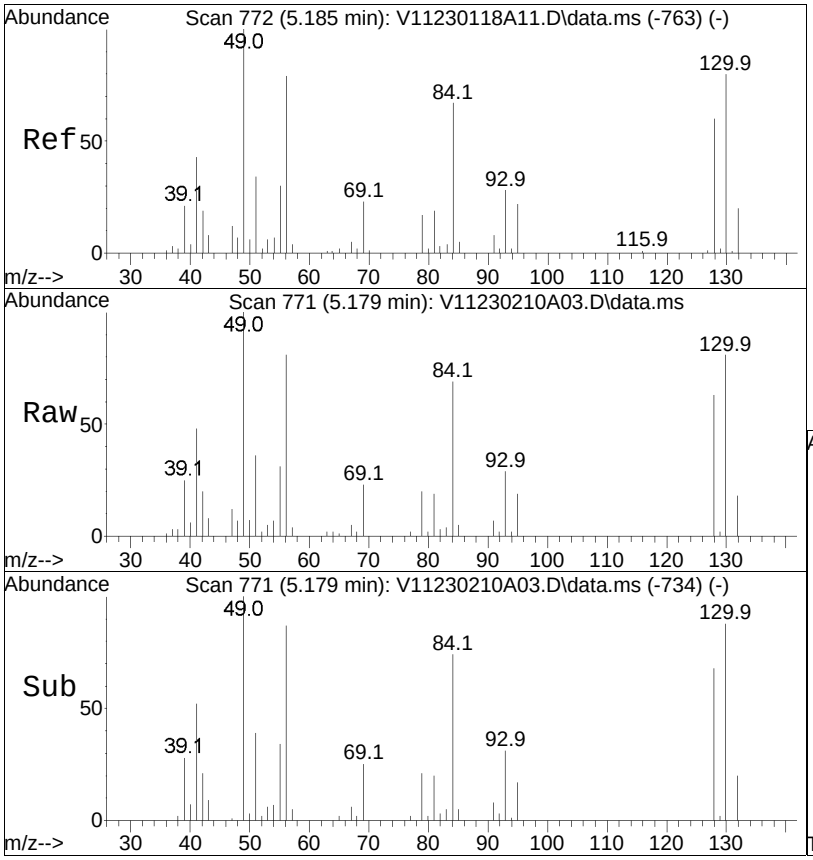


#29
2,2-Dichloropropane
Concen: 38.93 ug/L
RT: 5.096 min Scan# 755
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 77 Resp: 51172

Ion	Ratio	Lower	Upper
77	100		
41	56.1	45.5	94.5
79	31.9	20.9	43.3

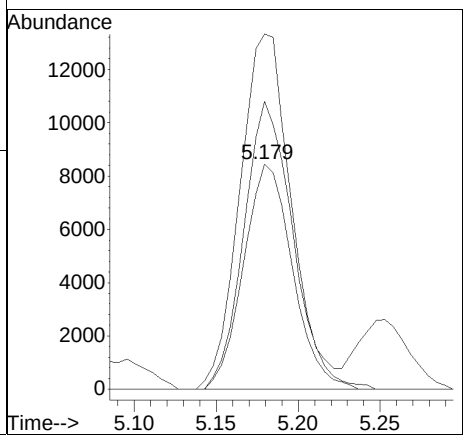


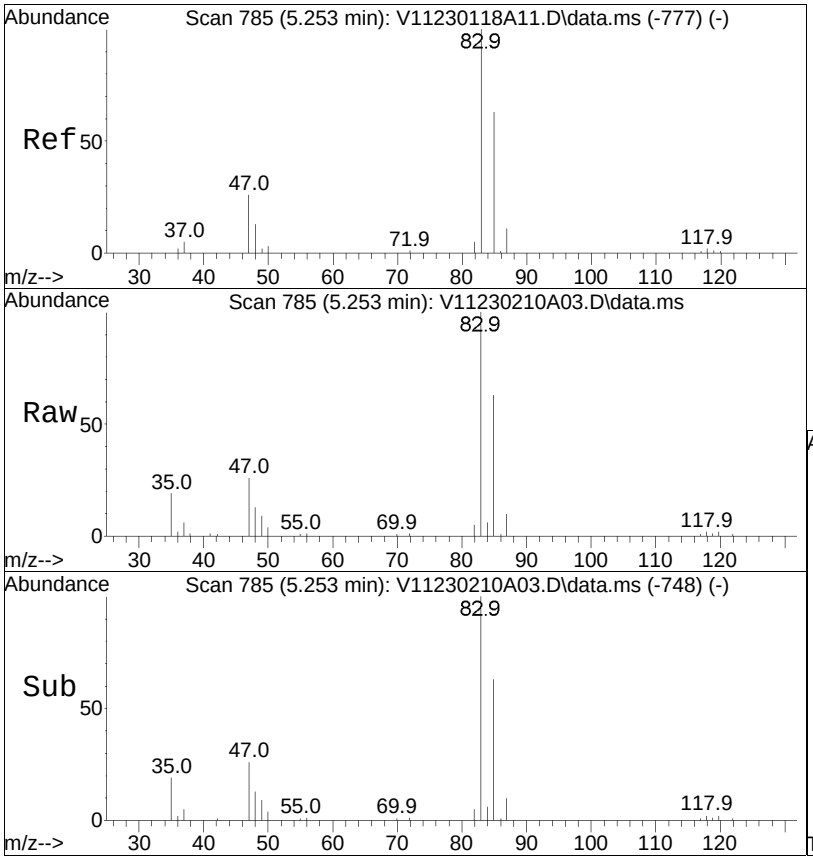


#30
Bromochloromethane
Concen: 37.68 ug/L
RT: 5.179 min Scan# 771
Delta R.T. -0.006 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:128 Resp: 17615

Ion	Ratio	Lower	Upper
128	100		
49	164.3	201.3	301.9#
130	127.7	106.2	159.2

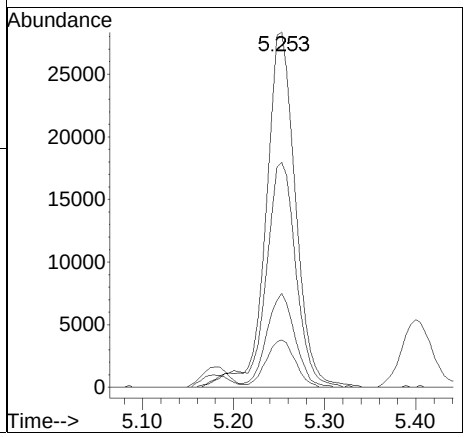


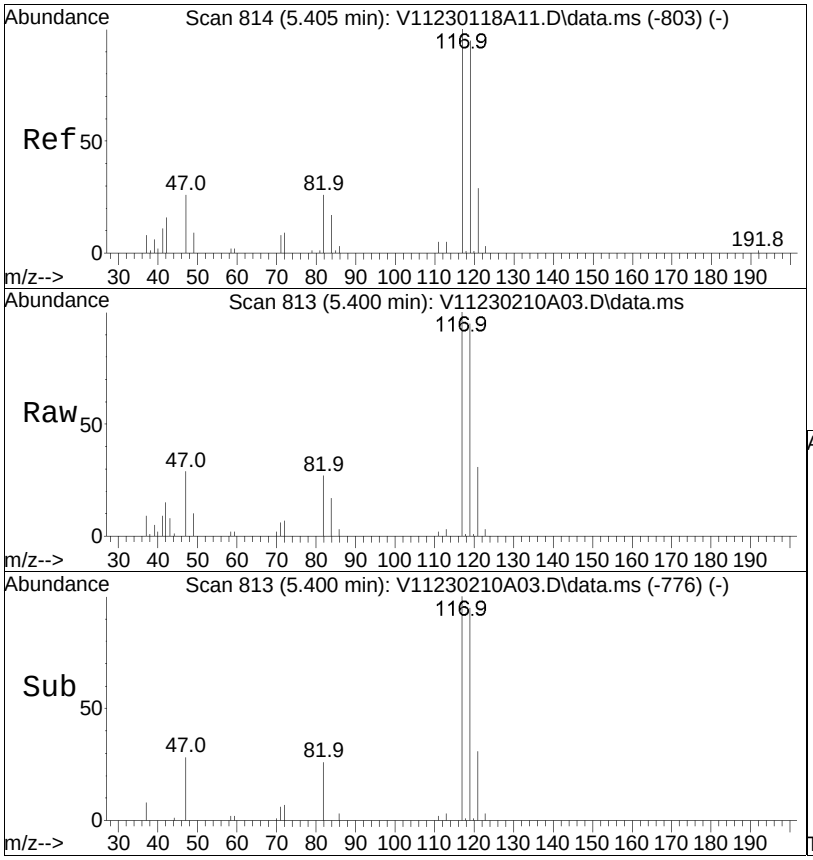


#32
Chloroform
Concen: 37.96 ug/L
RT: 5.253 min Scan# 785
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 83 Resp: 64251

Ion	Ratio	Lower	Upper
83	100		
85	61.5	41.9	87.1
47	25.6	20.9	43.3
48	13.2	9.9	20.5

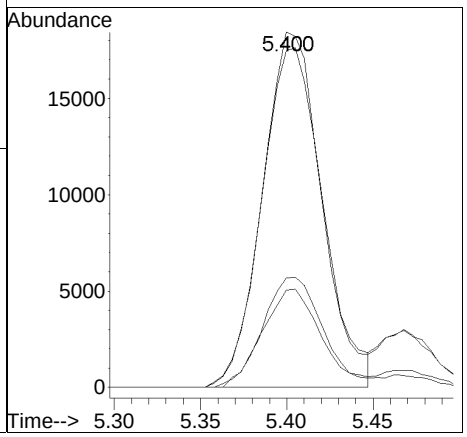


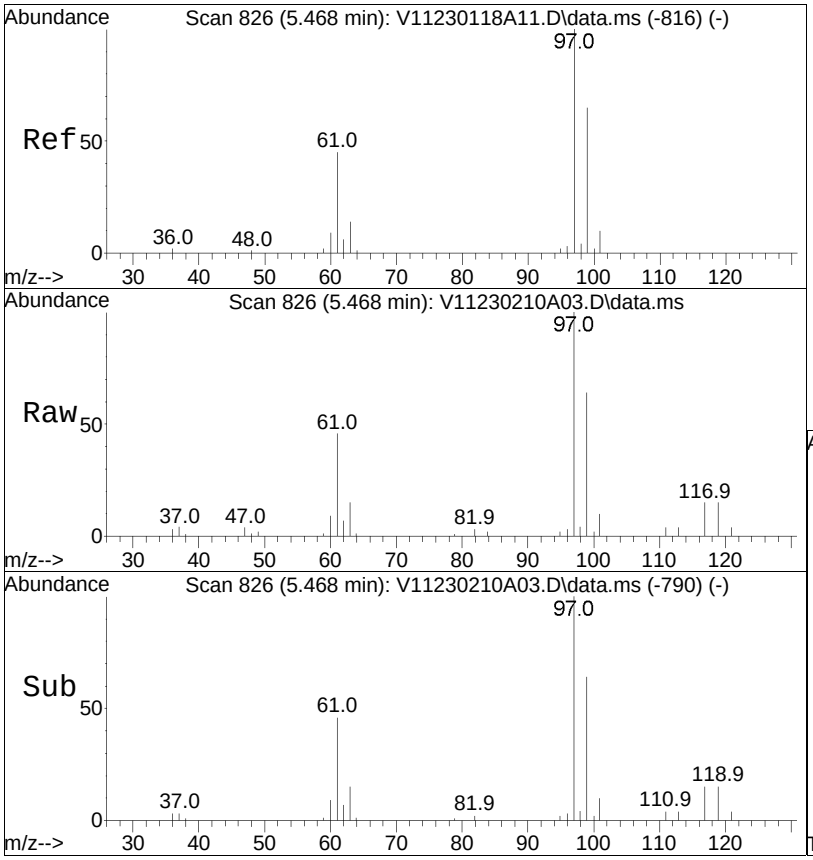


#34
Carbon tetrachloride
Concen: 38.40 ug/L
RT: 5.400 min Scan# 813
Delta R.T. -0.010 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:117 Resp: 44447

Ion	Ratio	Lower	Upper
117	100		
119	96.5	64.0	132.8
121	31.1	20.7	42.9
82	27.4	16.3	33.8

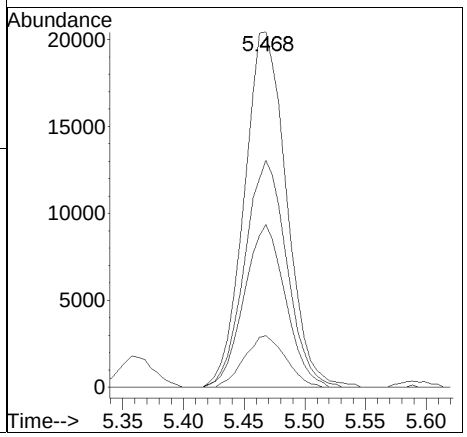


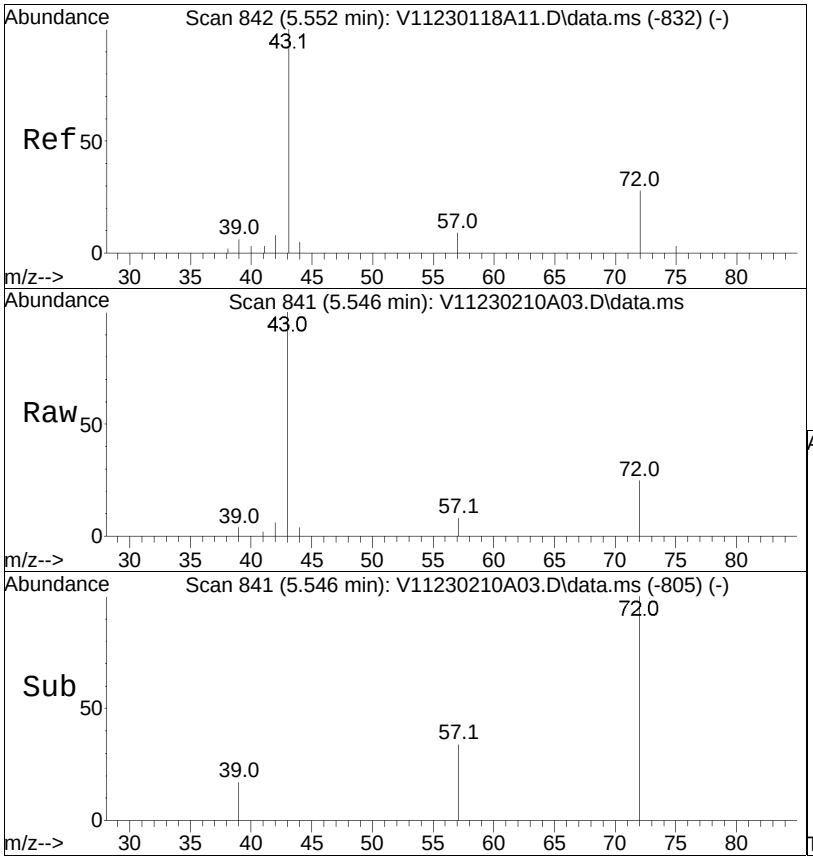


#37
1,1,1-Trichloroethane
Concen: 39.30 ug/L
RT: 5.468 min Scan# 826
Delta R.T. -0.010 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 97 Resp: 49537

Ion	Ratio	Lower	Upper
97	100		
99	63.8	41.5	86.1
61	45.0	32.2	67.0
63	14.3	10.1	20.9

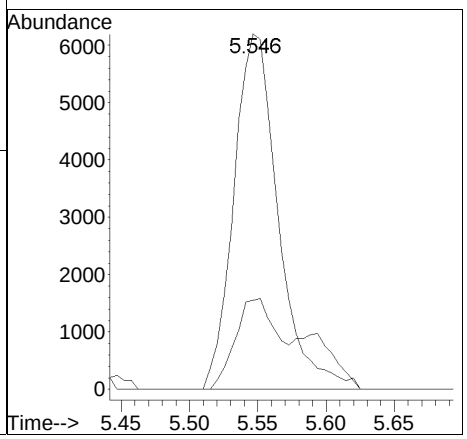


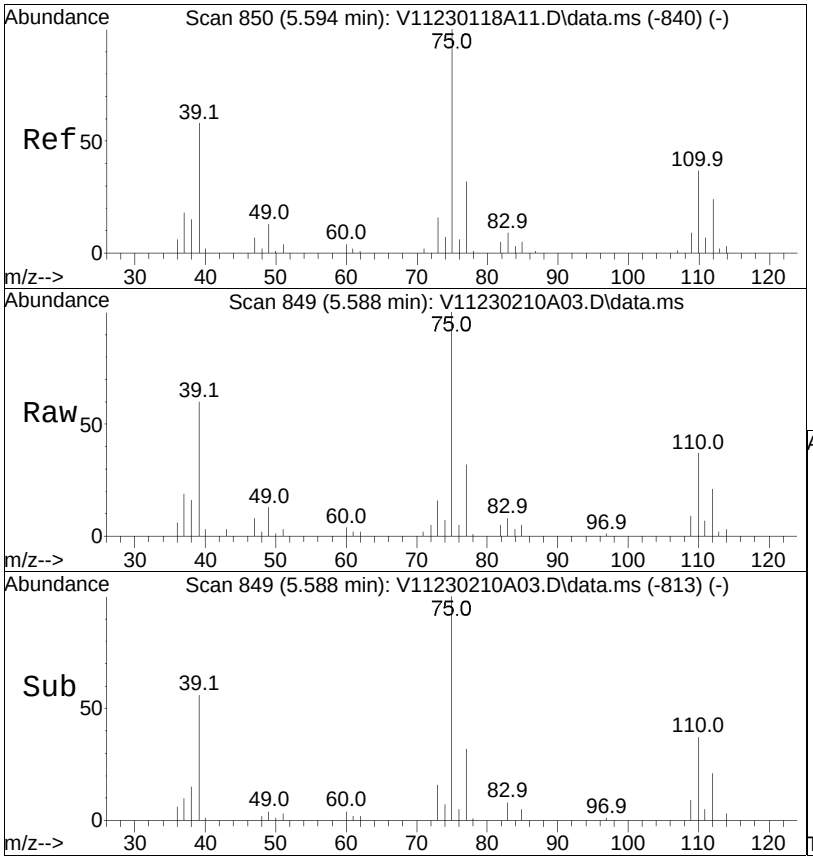


#39
2-Butanone
Concen: 42.67 ug/L
RT: 5.546 min Scan# 841
Delta R.T. -0.011 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 43 Resp: 14016

Ion	Ratio	Lower	Upper
43	100		
72	24.4	21.0	31.6

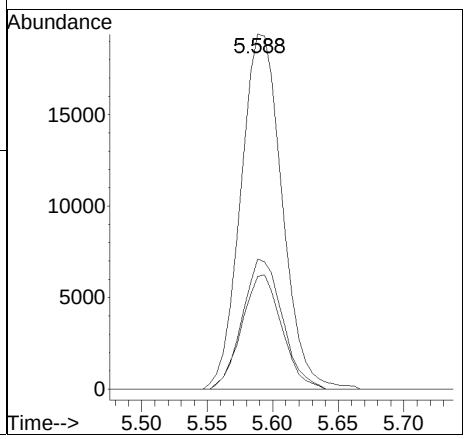


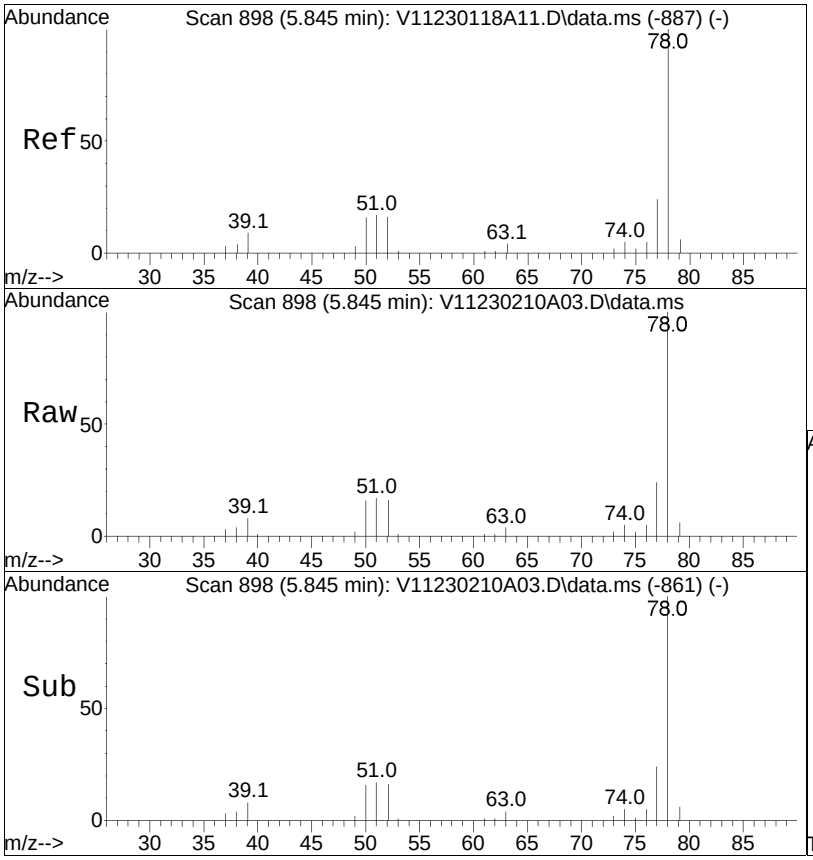


#40
1,1-Dichloropropene
Concen: 39.02 ug/L
RT: 5.588 min Scan# 849
Delta R.T. -0.011 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 75 Resp: 42615

Ion	Ratio	Lower	Upper
75	100		
110	35.5	23.6	49.0
77	31.1	20.2	41.9

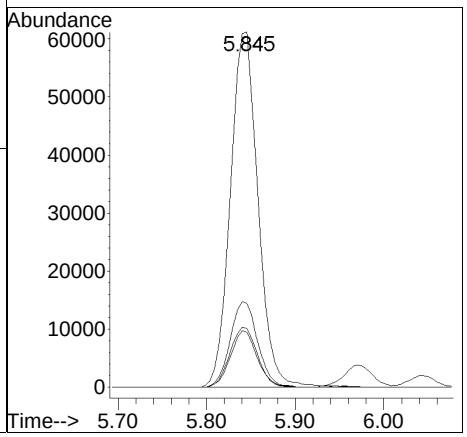


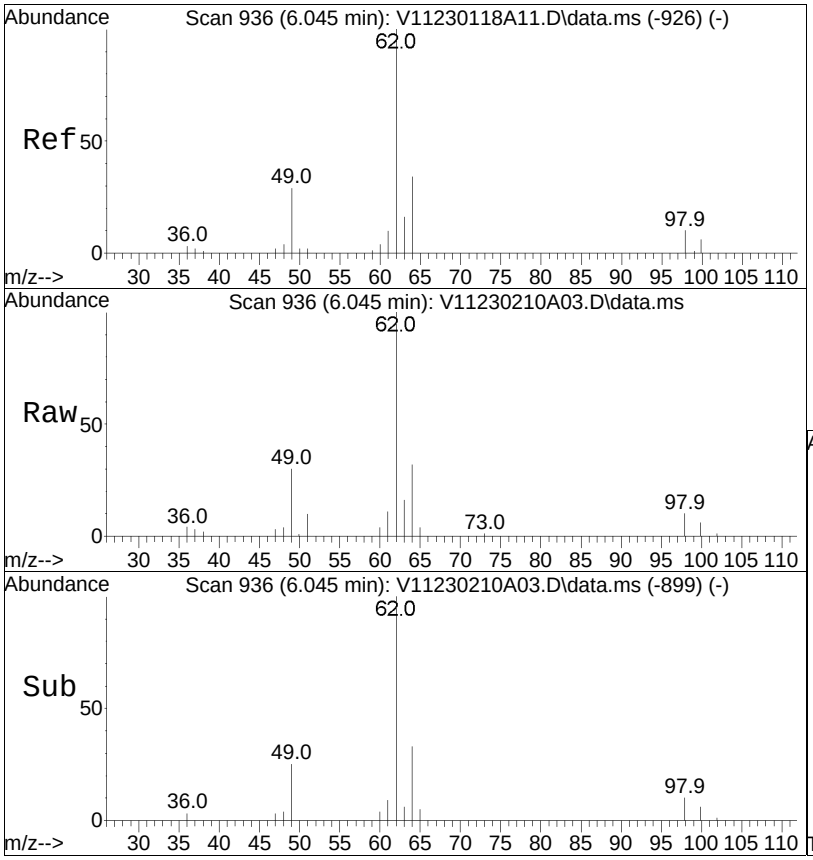


#41
Benzene
Concen: 37.80 ug/L
RT: 5.845 min Scan# 898
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 78 Resp: 133186

Ion	Ratio	Lower	Upper
78	100		
77	24.0	15.1	31.3
51	17.0	15.8	32.8
52	15.4	15.6	32.4#

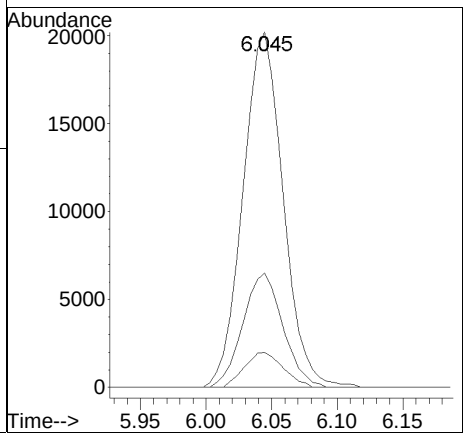


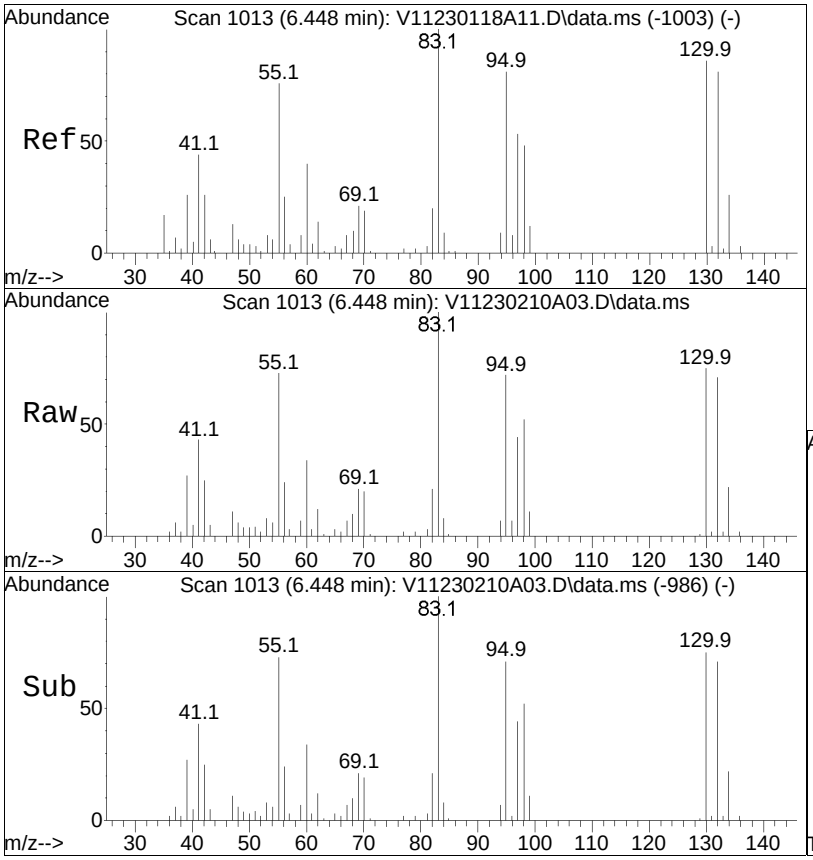


#44
1,2-Dichloroethane
Concen: 36.07 ug/L
RT: 6.045 min Scan# 936
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 62 Resp: 43065

Ion	Ratio	Lower	Upper
62	100		
64	32.1	11.1	51.1
98	9.5	0.0	28.0

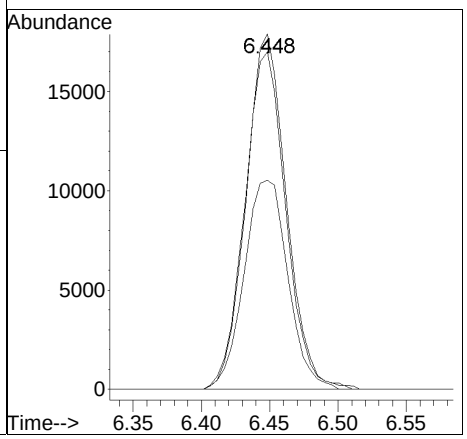


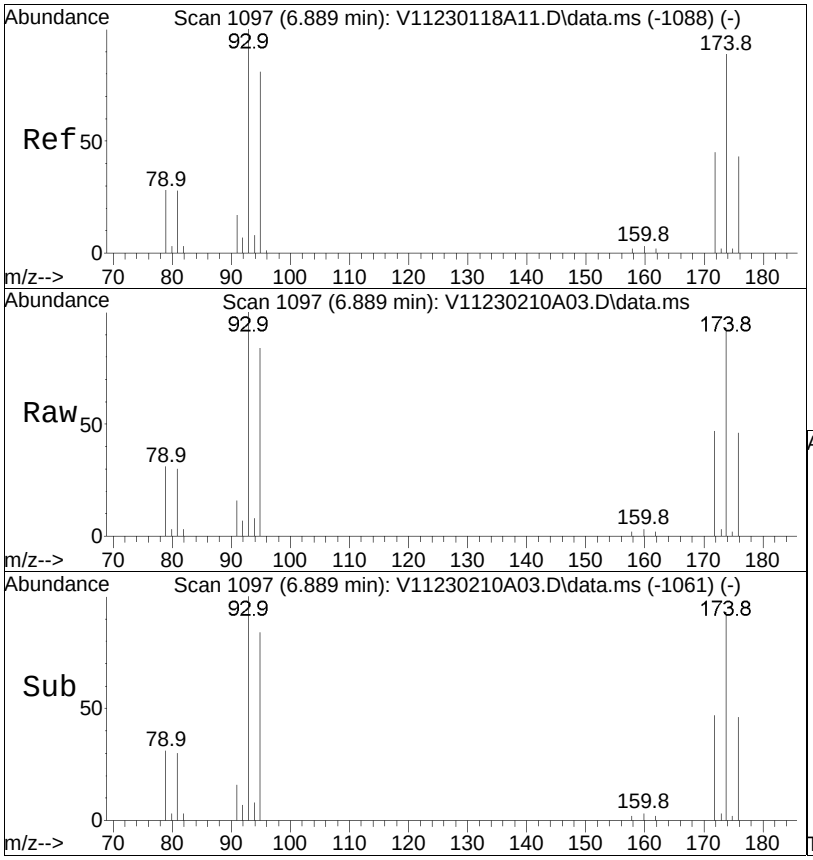


#48
Trichloroethene
Concen: 39.41 ug/L
RT: 6.448 min Scan# 1013
Delta R.T. -0.011 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 95 Resp: 35598

Ion	Ratio	Lower	Upper
95	100		
97	66.1	54.3	81.5
130	103.4	84.6	126.8

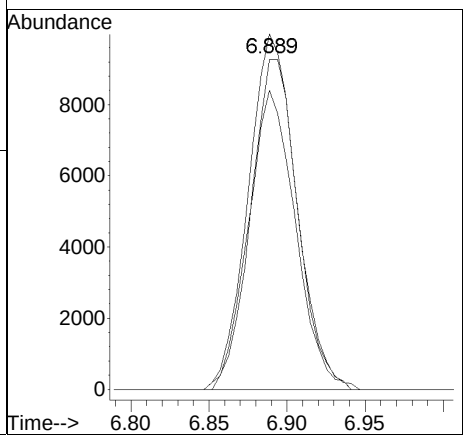


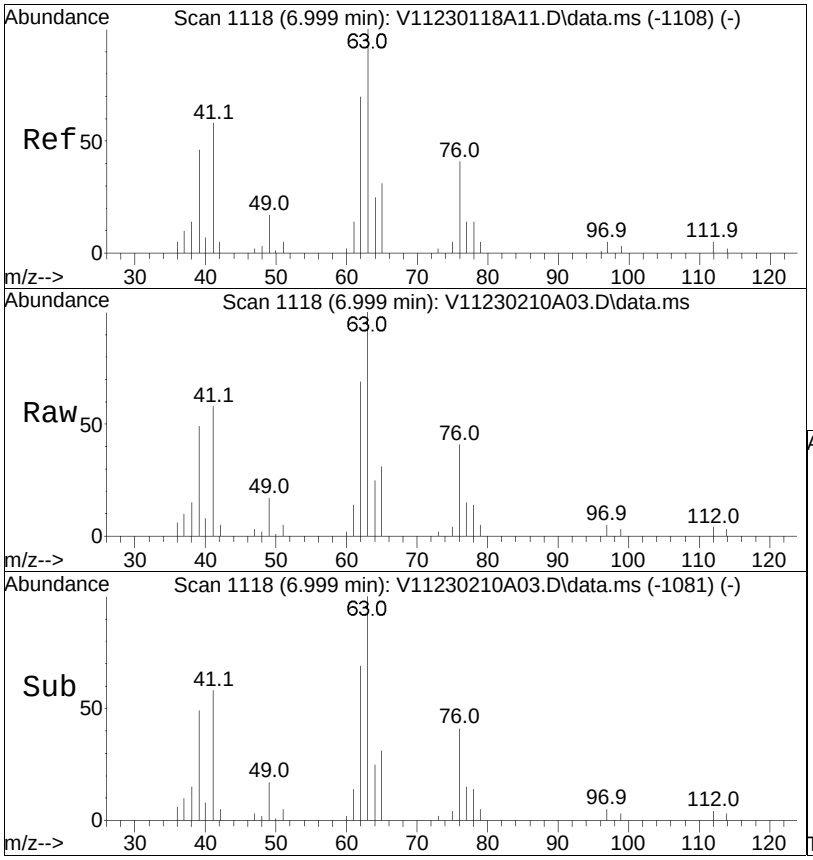


#50
Dibromomethane
Concen: 37.95 ug/L
RT: 6.889 min Scan# 1097
Delta R.T. -0.010 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 93 Resp: 21335

Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.7	98.5
174	91.4	80.2	120.4

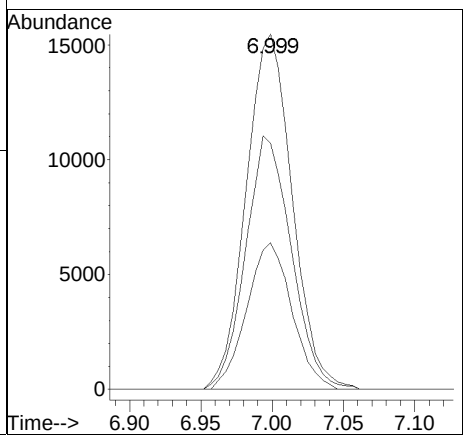


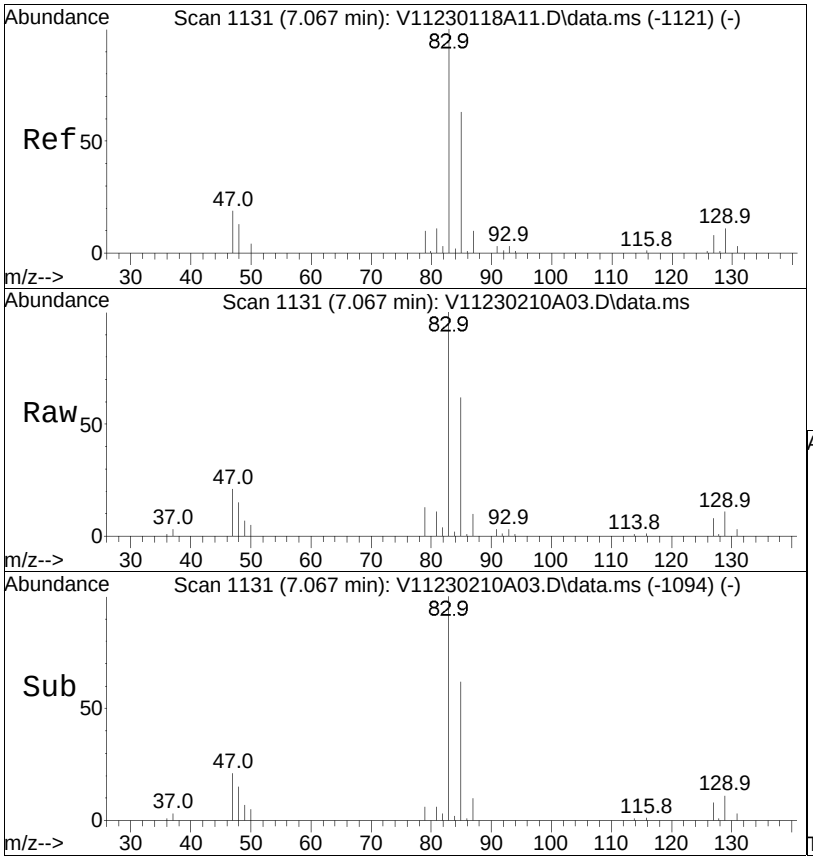


#51
1,2-Dichloropropane
Concen: 37.77 ug/L
RT: 6.999 min Scan# 1118
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 63 Resp: 34878

Ion	Ratio	Lower	Upper
63	100		
62	70.7	57.9	86.9
76	40.5	30.1	45.1

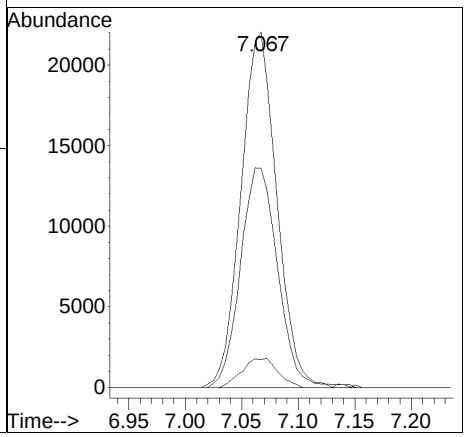


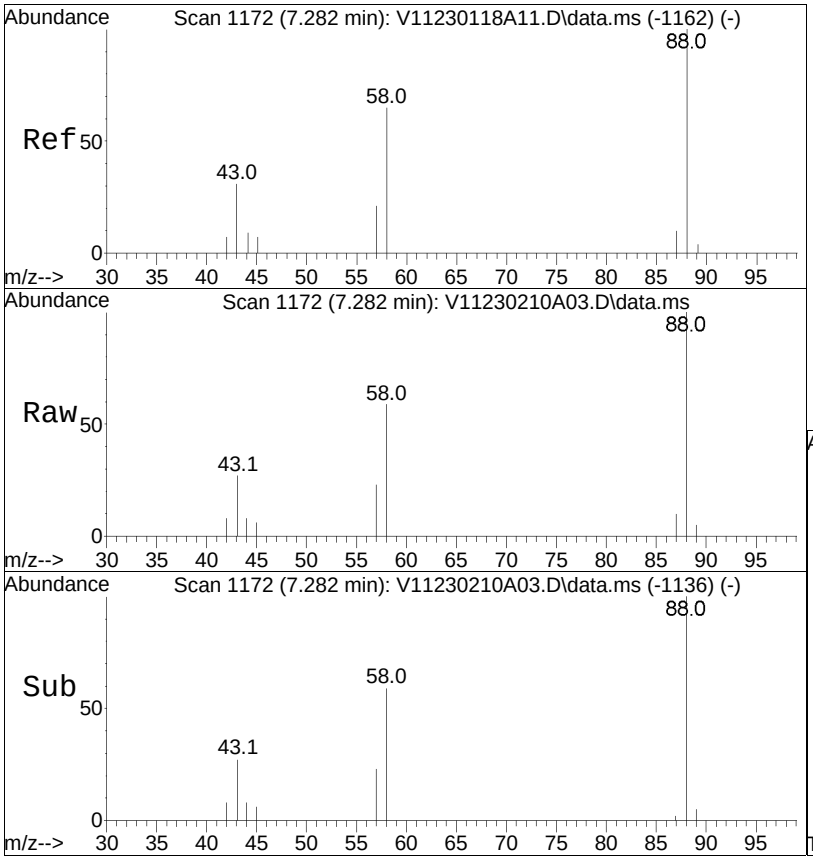


#54
Bromodichloromethane
Concen: 37.72 ug/L
RT: 7.067 min Scan# 1131
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 83 Resp: 48730

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.6	77.4
127	8.1	7.1	10.7

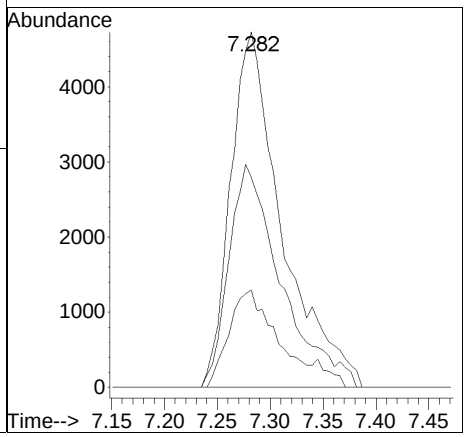


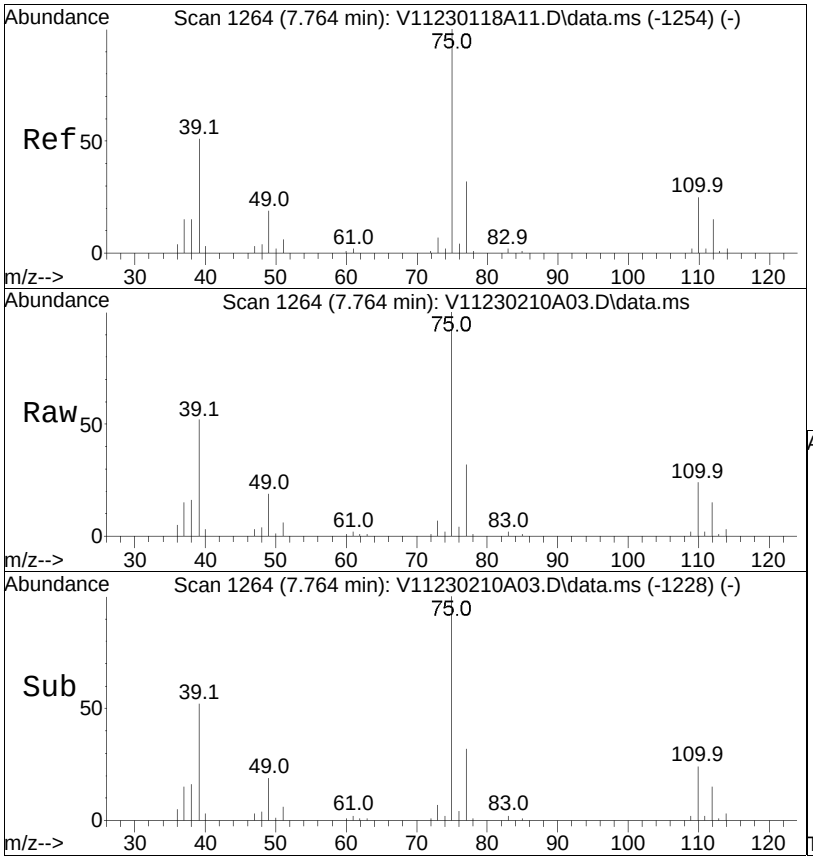


#57
1,4-Dioxane
Concen: 2168.10 ug/L
RT: 7.282 min Scan# 1172
Delta R.T. -0.010 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 88 Resp: 15993

Ion	Ratio	Lower	Upper
88	100		
58	63.8	75.4	113.0#
43	27.9	33.5	50.3#

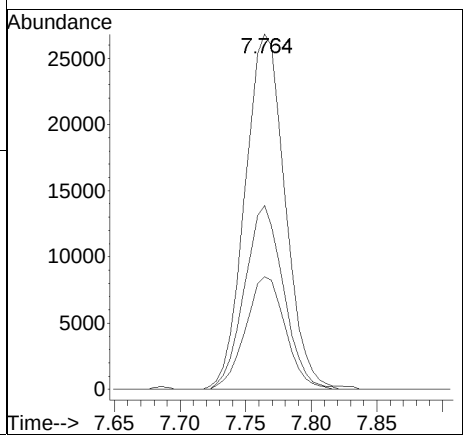


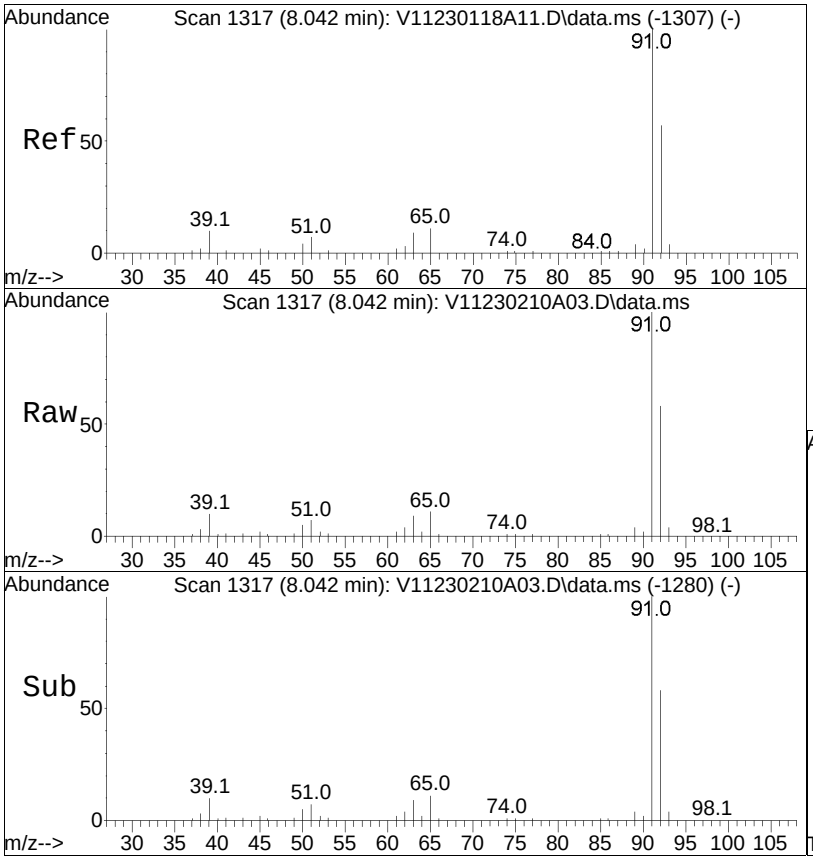


#58
cis-1,3-Dichloropropene
Concen: 38.89 ug/L
RT: 7.764 min Scan# 1264
Delta R.T. -0.011 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 75 Resp: 57144

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.9	37.3
39	50.3	51.8	77.8#

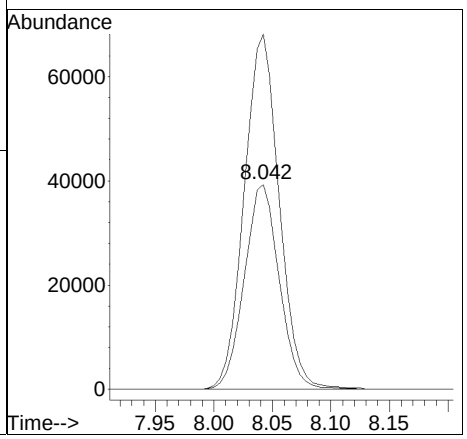


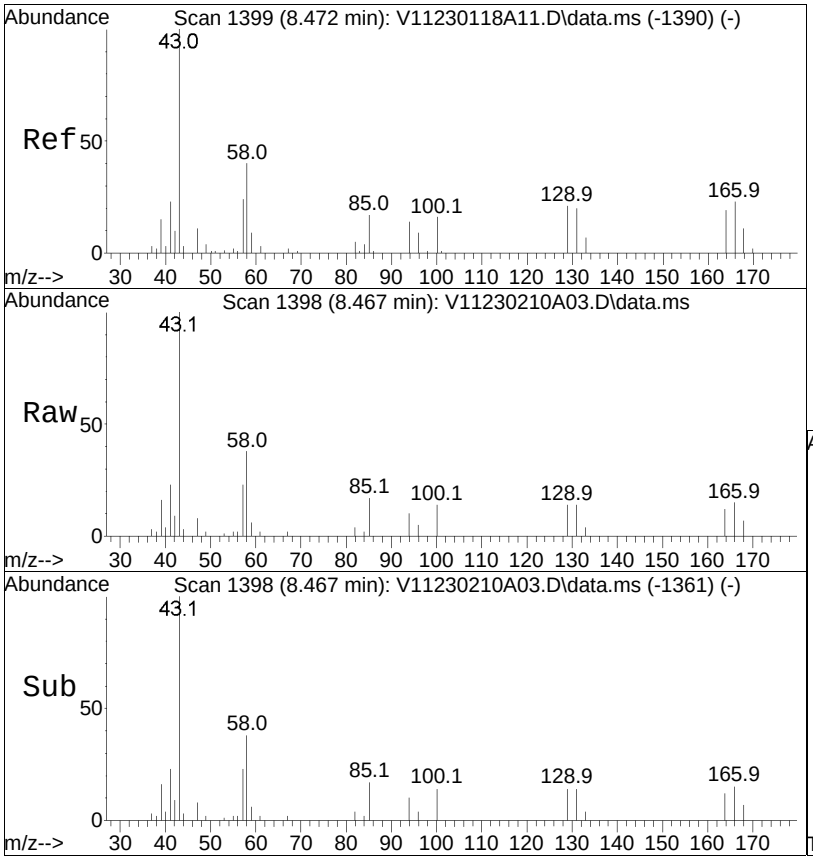


#61
Toluene
Concen: 38.53 ug/L
RT: 8.042 min Scan# 1317
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 92 Resp: 81594

Ion	Ratio	Lower	Upper
92	100		
91	173.5	133.7	200.5

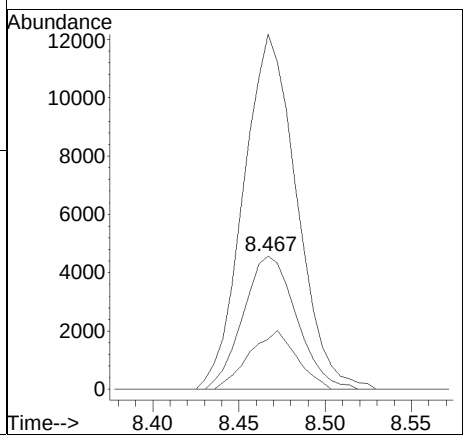


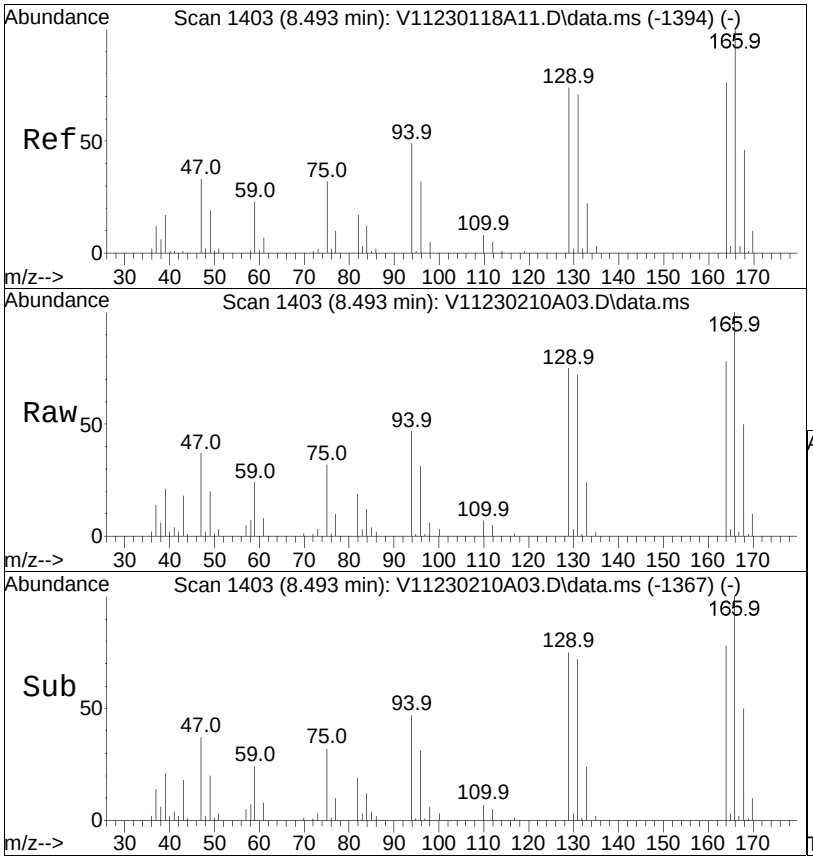


#62
4-Methyl-2-pentanone
Concen: 36.21 ug/L
RT: 8.467 min Scan# 1398
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 58 Resp: 9877

Ion	Ratio	Lower	Upper
58	100		
100	39.4	22.0	33.0#
43	265.4	236.9	355.3

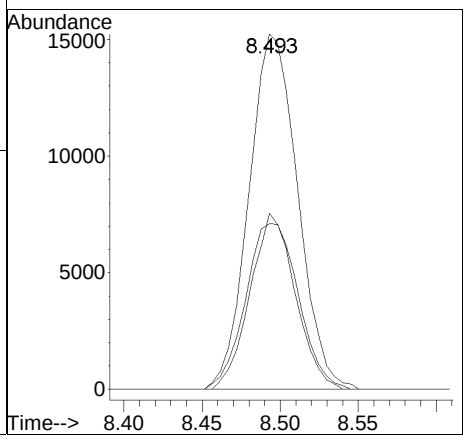


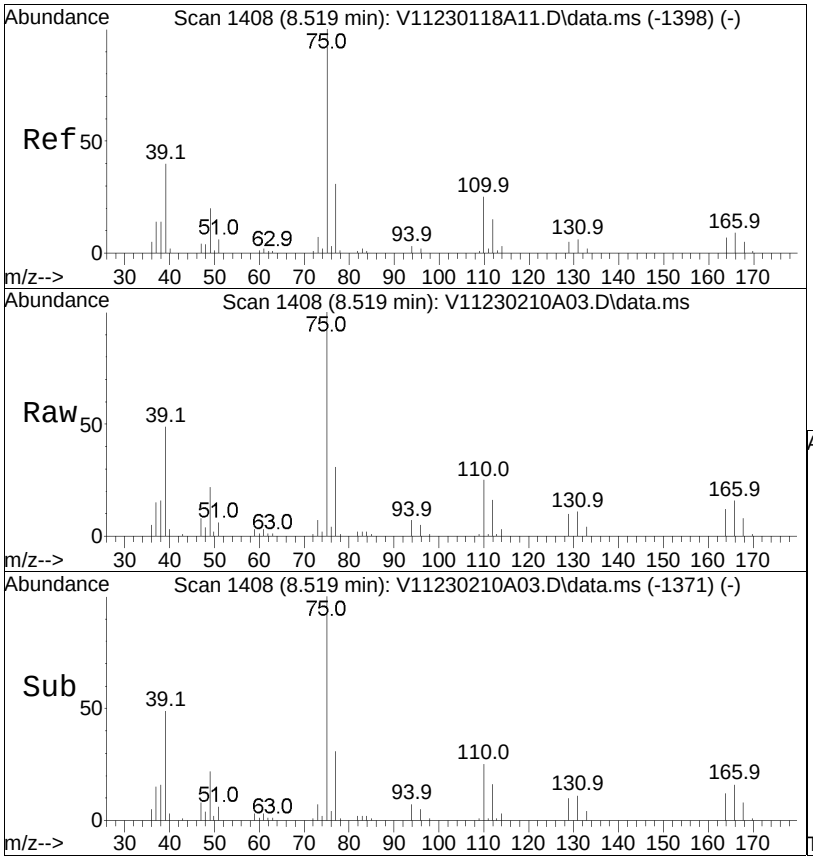


#63
Tetrachloroethene
Concen: 40.69 ug/L
RT: 8.493 min Scan# 1403
Delta R.T. -0.011 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:166 Resp: 33091

Ion	Ratio	Lower	Upper
166	100		
168	47.8	28.2	68.2
94	48.5	26.3	66.3

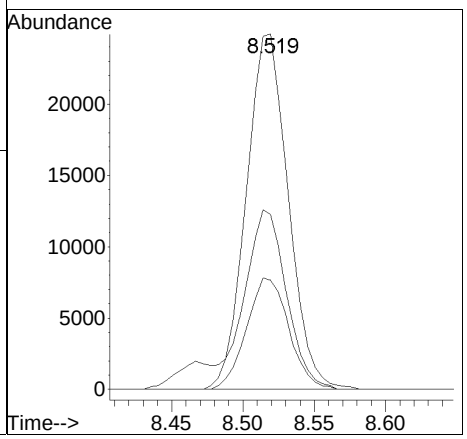


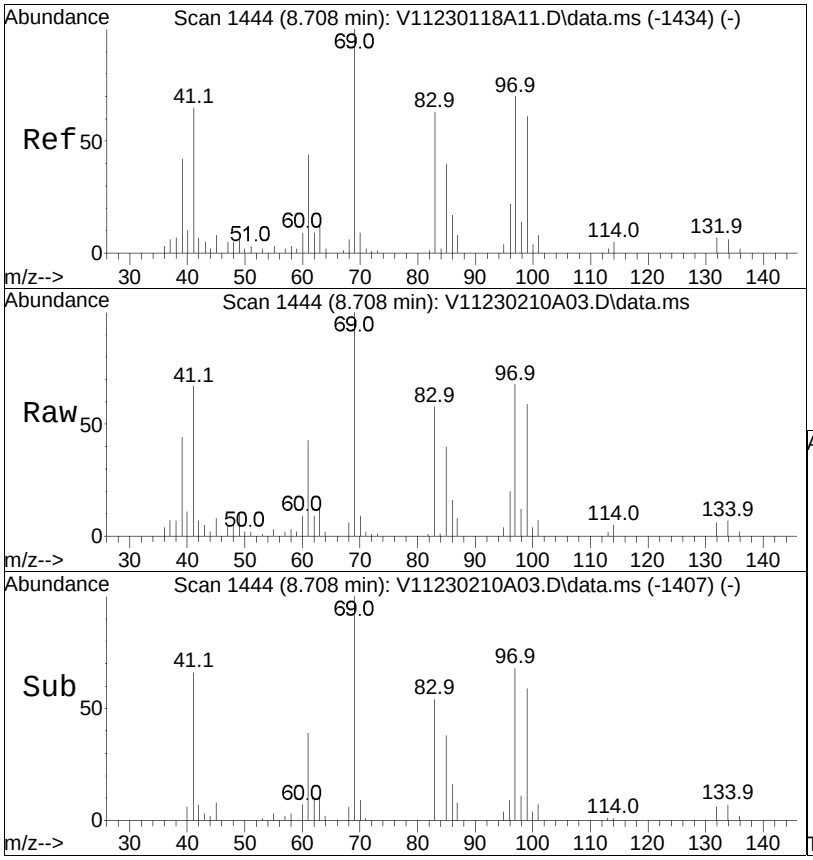


#65
trans-1,3-Dichloropropene
Concen: 38.82 ug/L
RT: 8.519 min Scan# 1408
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 75 Resp: 51120

Ion	Ratio	Lower	Upper
75	100		
77	31.6	11.4	51.4
39	51.0	50.3	90.3

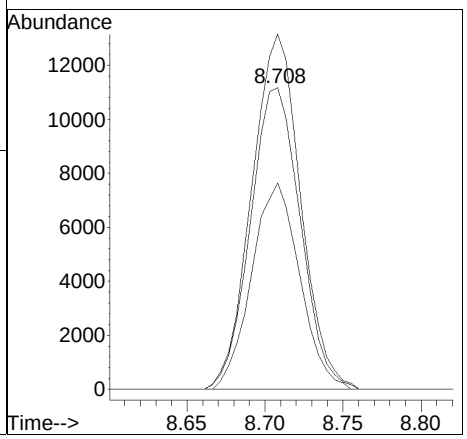


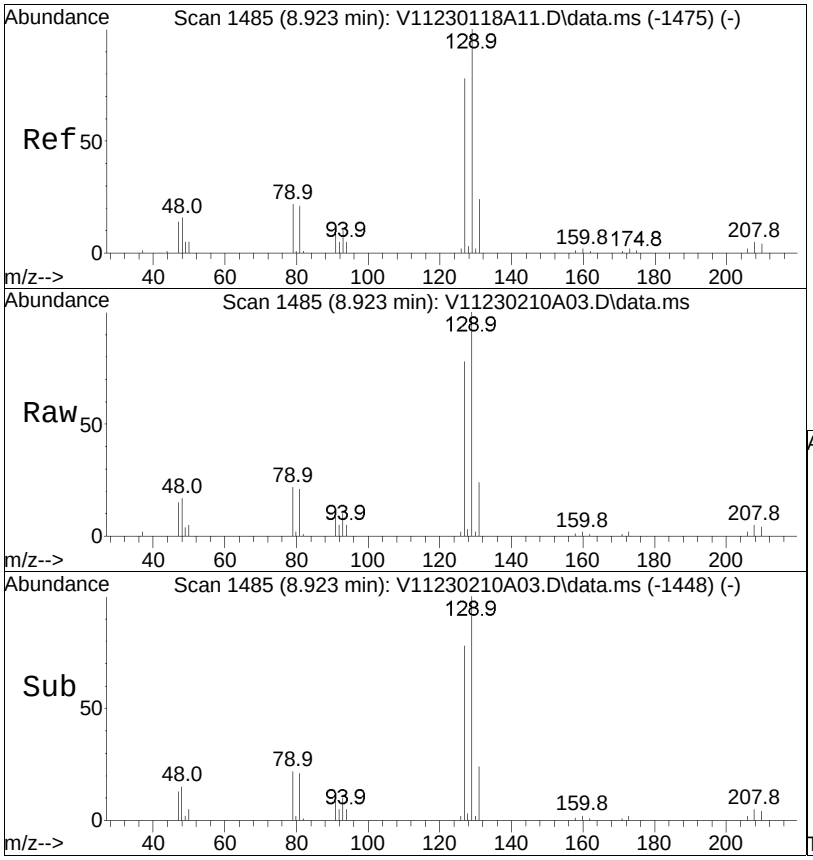


#68
1,1,2-Trichloroethane
Concen: 39.55 ug/L
RT: 8.708 min Scan# 1444
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 83 Resp: 24881

Ion	Ratio	Lower	Upper
83	100		
97	115.4	97.6	137.6
85	65.9	46.8	86.8

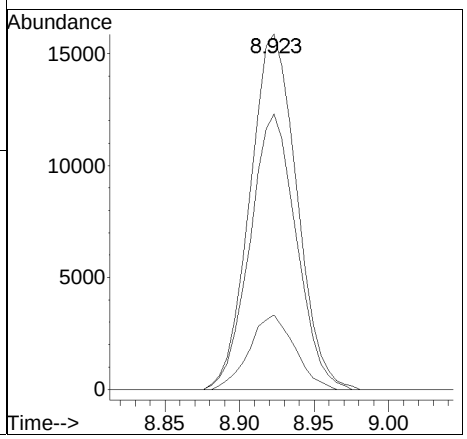


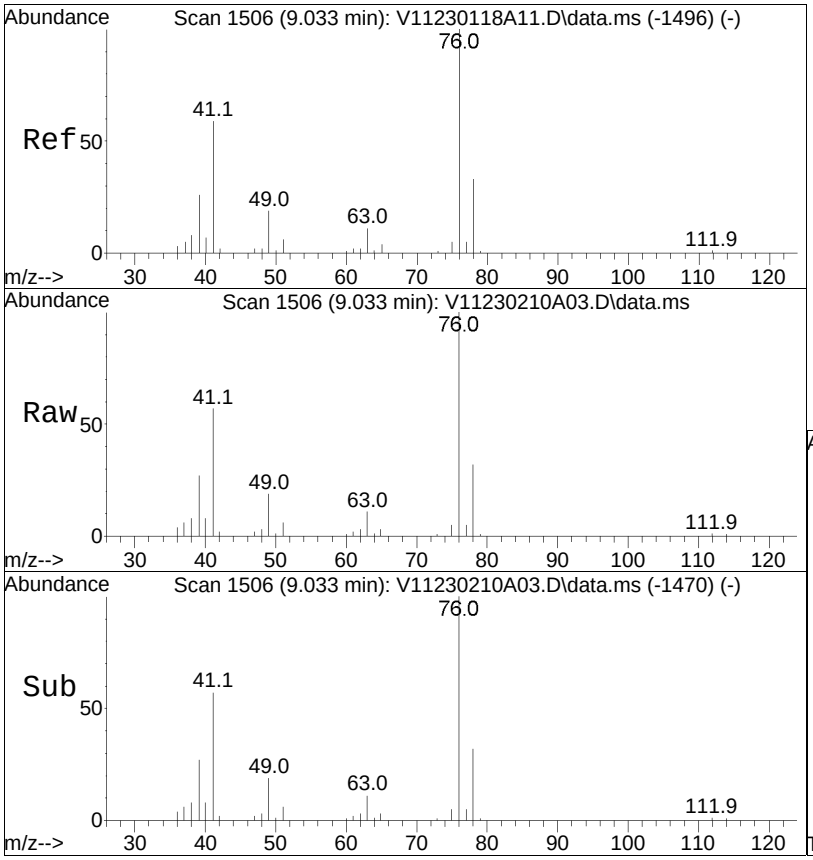


#69
Chlorodibromomethane
Concen: 39.14 ug/L
RT: 8.923 min Scan# 1485
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:129 Resp: 34730

Ion	Ratio	Lower	Upper
129	100		
81	20.3	0.0	36.0
127	76.7	56.0	96.0

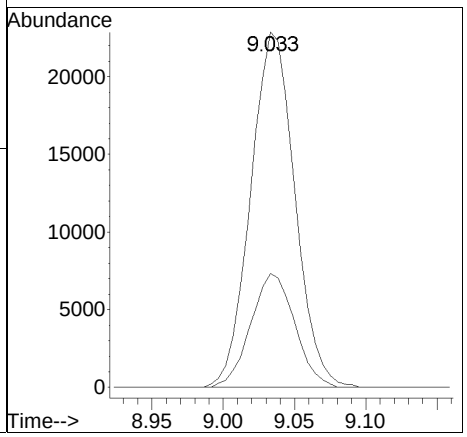


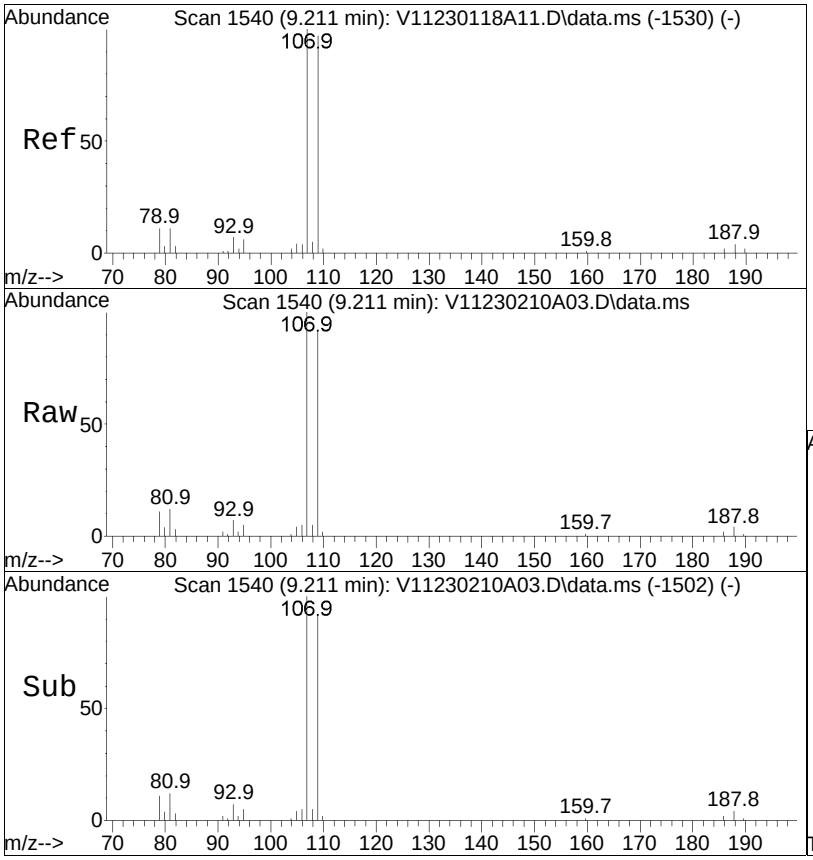


#70
1,3-Dichloropropane
Concen: 38.81 ug/L
RT: 9.033 min Scan# 1506
Delta R.T. -0.011 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 76 Resp: 49346

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.9	38.9

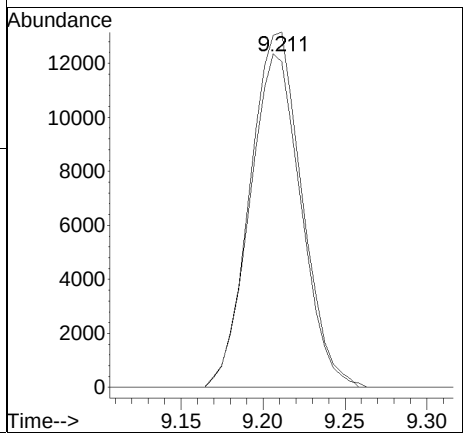


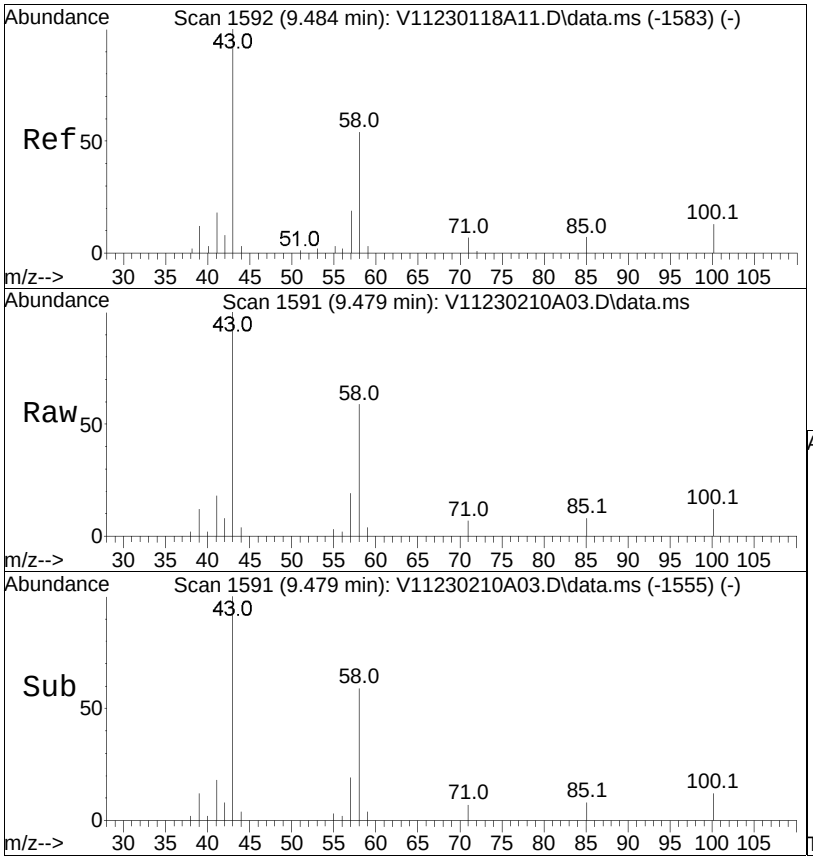


#71
1,2-Dibromoethane
Concen: 40.98 ug/L
RT: 9.211 min Scan# 1540
Delta R.T. 0.000 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:107 Resp: 29009

Ion	Ratio	Lower	Upper
107	100		
109	92.6	76.2	114.4

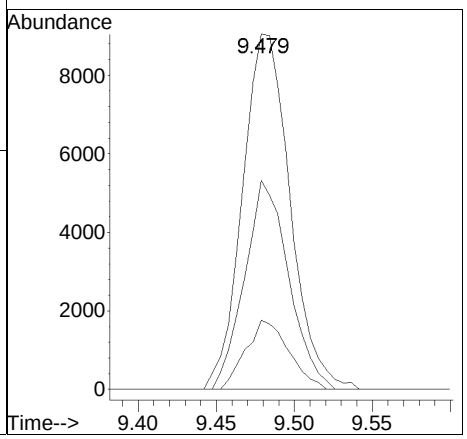


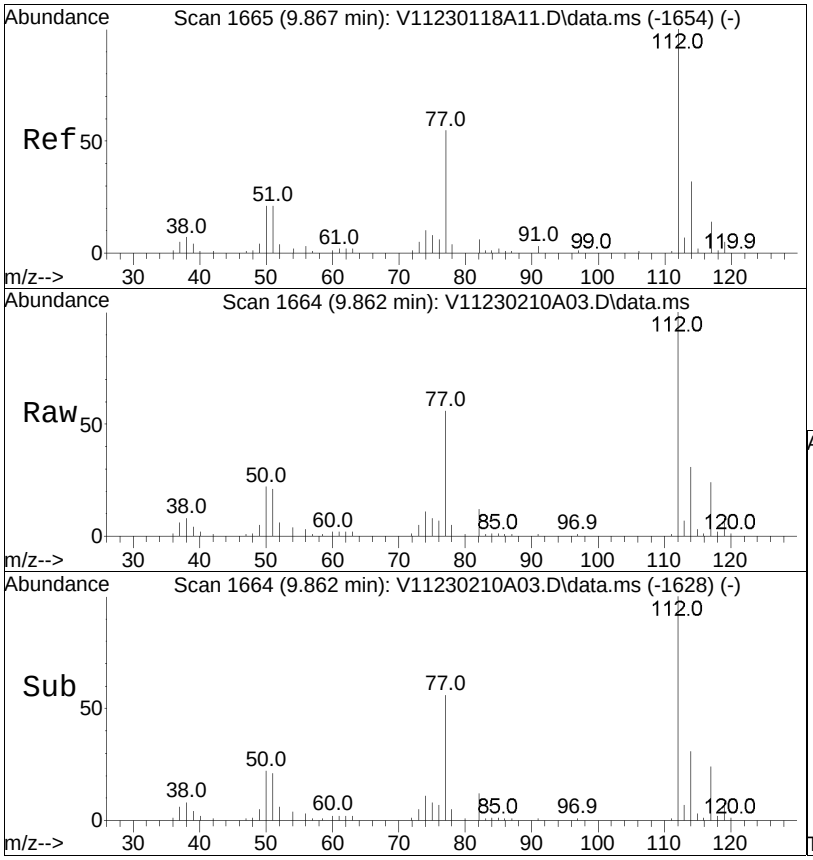


#72
2-Hexanone
Concen: 42.12 ug/L
RT: 9.479 min Scan# 1591
Delta R.T. -0.010 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 43 Resp: 19228

Ion	Ratio	Lower	Upper
43	100		
58	54.4	37.9	56.9
57	17.6	12.6	19.0

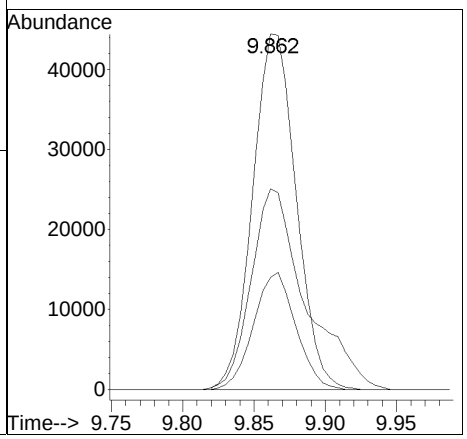


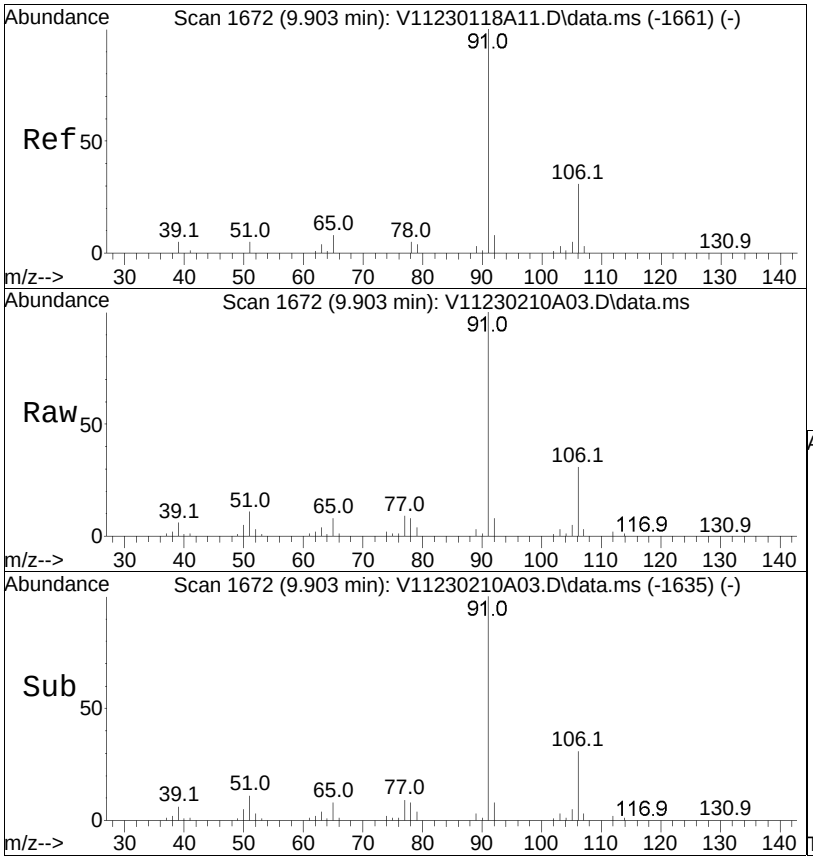


#73
Chlorobenzene
Concen: 38.04 ug/L
RT: 9.862 min Scan# 1664
Delta R.T. -0.010 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:112 Resp: 94091

Ion	Ratio	Lower	Upper
112	100		
77	70.7	47.0	70.4#
114	32.0	25.9	38.9

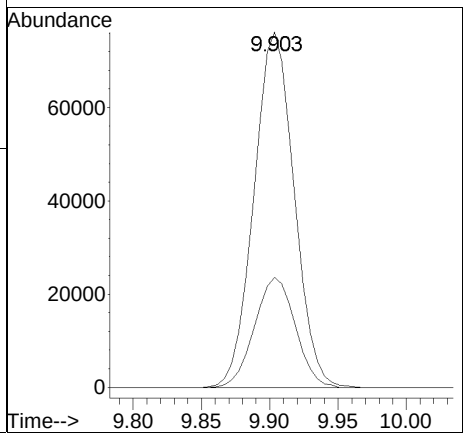


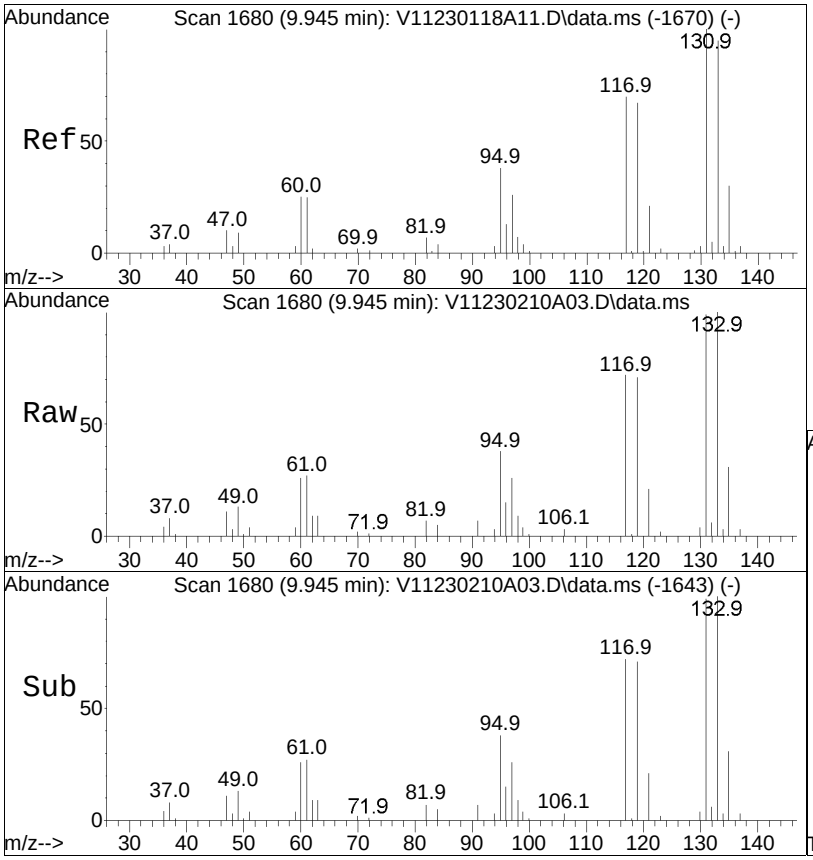


#74
Ethylbenzene
Concen: 39.02 ug/L
RT: 9.903 min Scan# 1672
Delta R.T. -0.006 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 91 Resp: 155686

Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.0	37.4

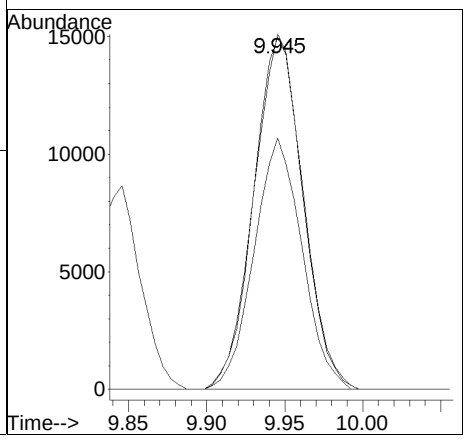


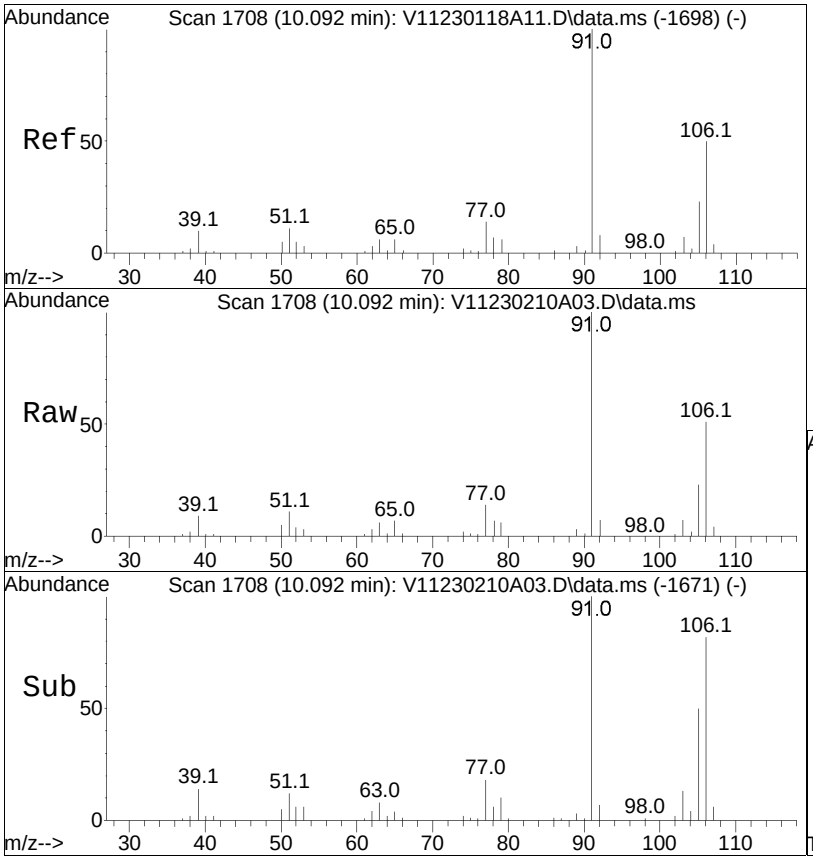


#75
1,1,1,2-Tetrachloroethane
Concen: 39.25 ug/L
RT: 9.945 min Scan# 1680
Delta R.T. -0.006 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:131 Resp: 33279

Ion	Ratio	Lower	Upper
131	100		
133	98.2	75.2	115.2
119	68.6	44.7	84.7

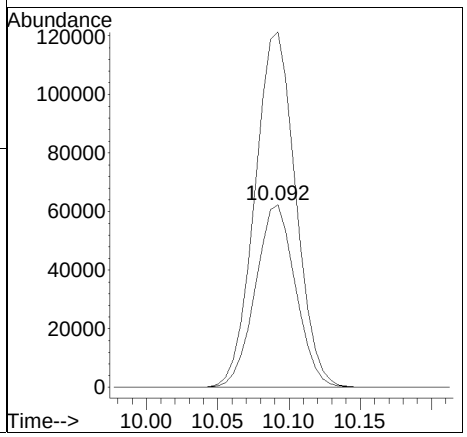


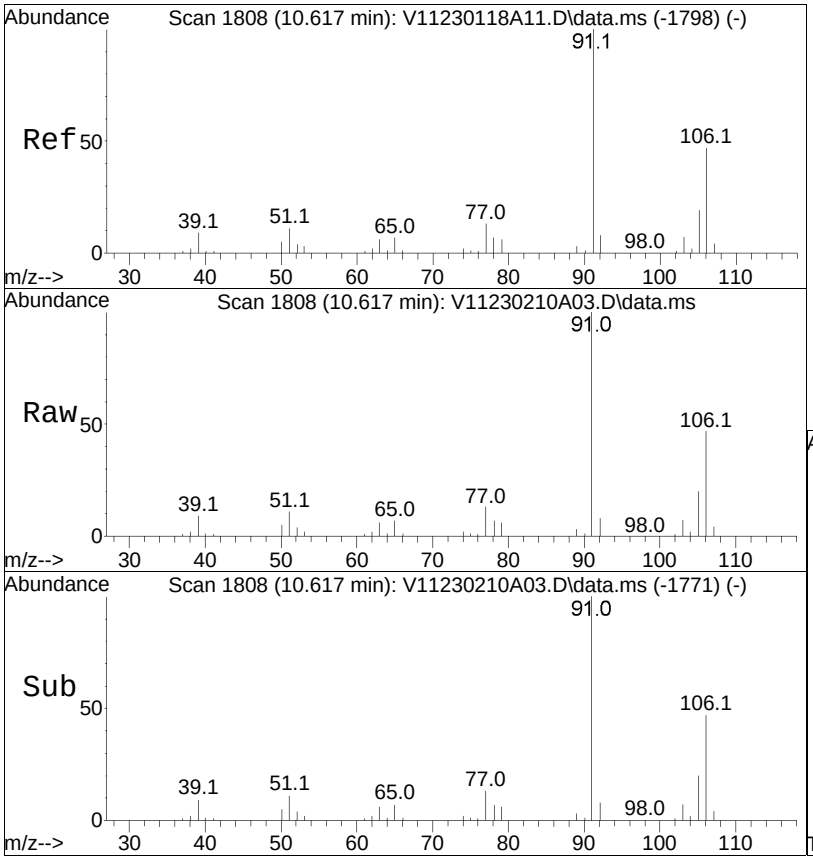


#76
p/m Xylene
Concen: 80.59 ug/L
RT: 10.092 min Scan# 1708
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:106 Resp: 122468

Ion	Ratio	Lower	Upper
106	100		
91	197.3	159.3	238.9

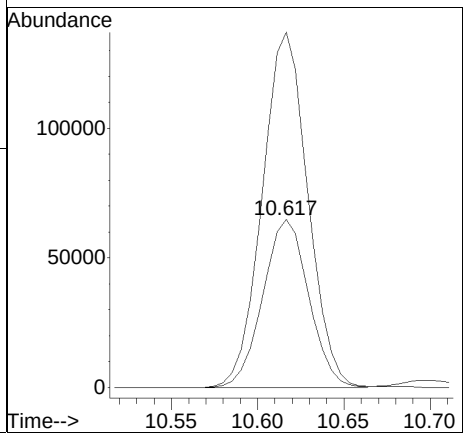


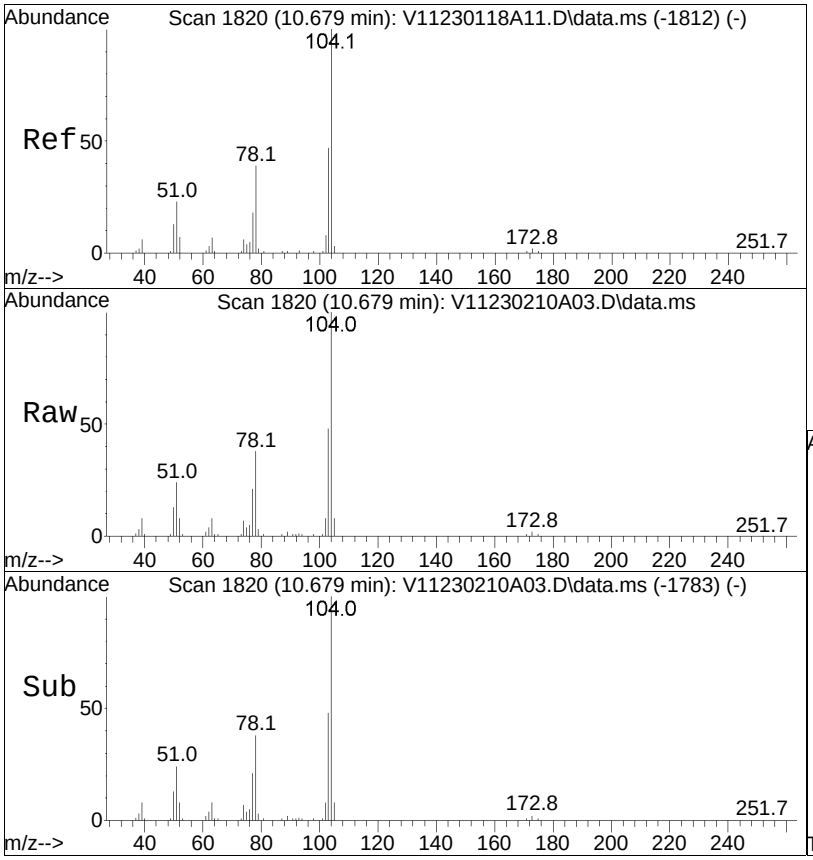


#77
o Xylene
Concen: 81.29 ug/L
RT: 10.617 min Scan# 1808
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:106 Resp: 119394

Ion	Ratio	Lower	Upper
106	100		
91	210.5	170.2	255.2

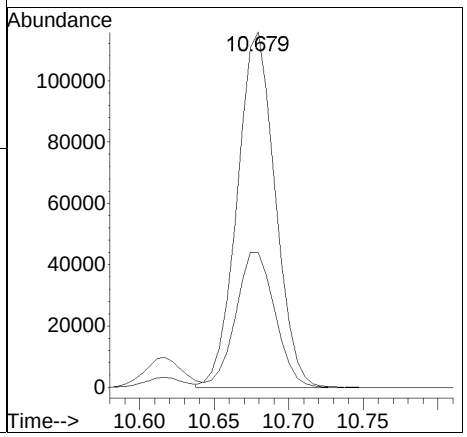


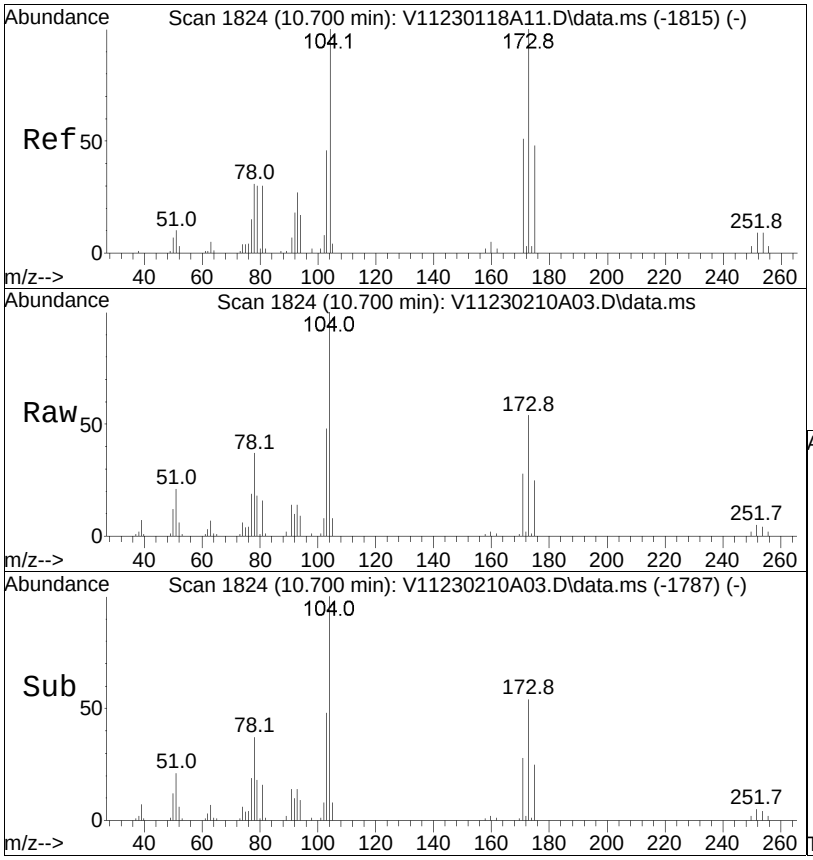


#78
Styrene
Concen: 82.80 ug/L
RT: 10.679 min Scan# 1820
Delta R.T. -0.006 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:104 Resp: 205341

Ion	Ratio	Lower	Upper
104	100		
78	39.1	34.4	51.6

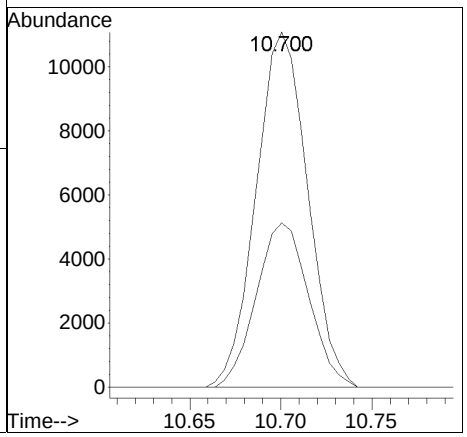


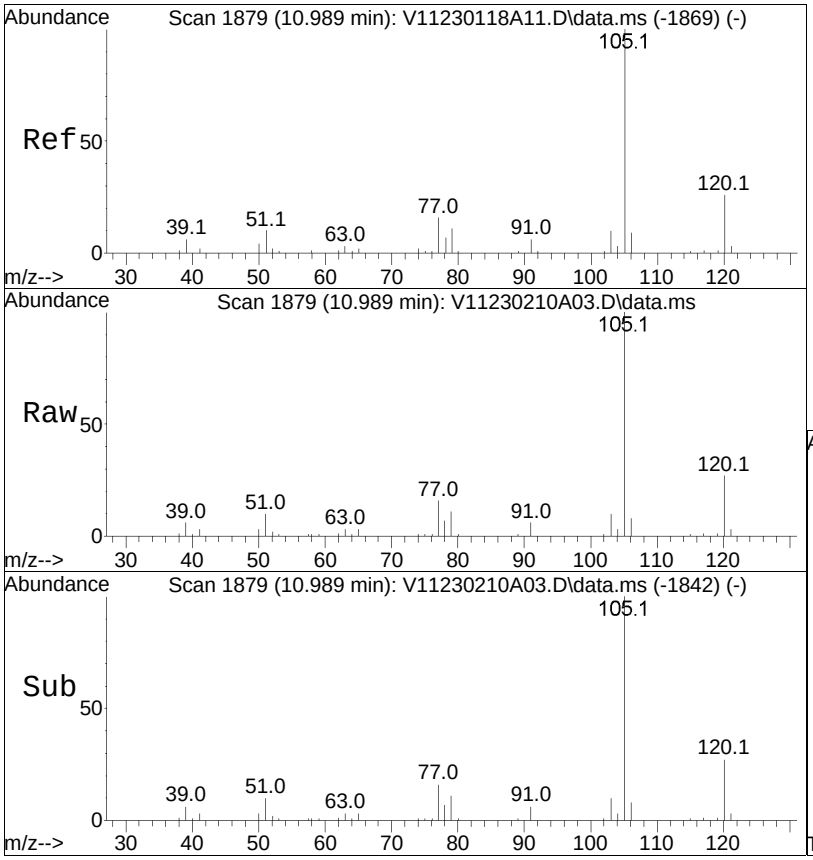


#80
Bromoform
Concen: 38.71 ug/L
RT: 10.700 min Scan# 1824
Delta R.T. -0.006 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:173 Resp: 21822

Ion	Ratio	Lower	Upper
173	100		
175	47.1	28.1	68.1

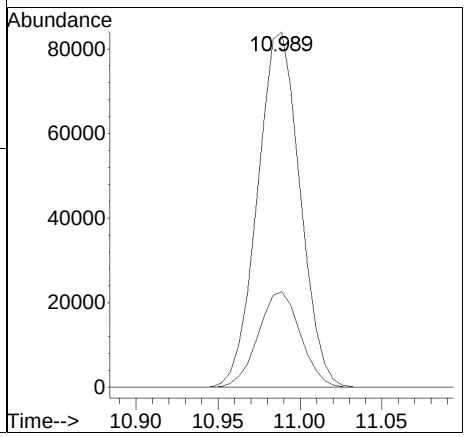


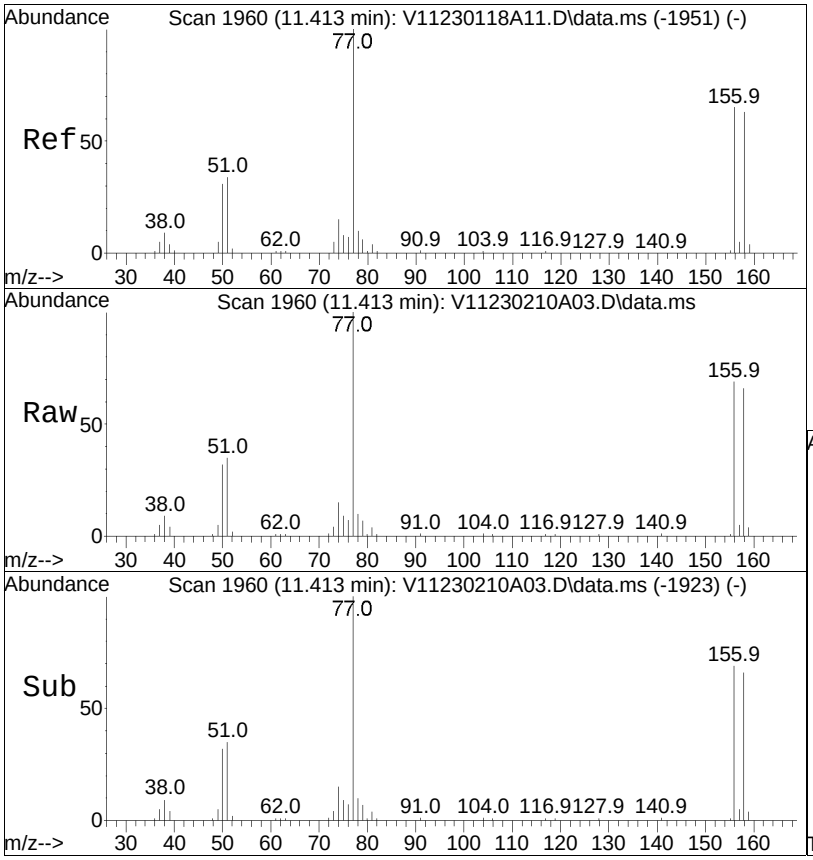


#82
Isopropylbenzene
Concen: 39.70 ug/L
RT: 10.989 min Scan# 1879
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:105 Resp: 151657

Ion	Ratio	Lower	Upper
105	100		
120	26.8	6.9	46.9

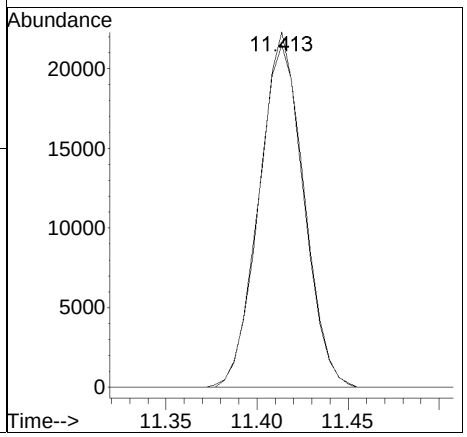


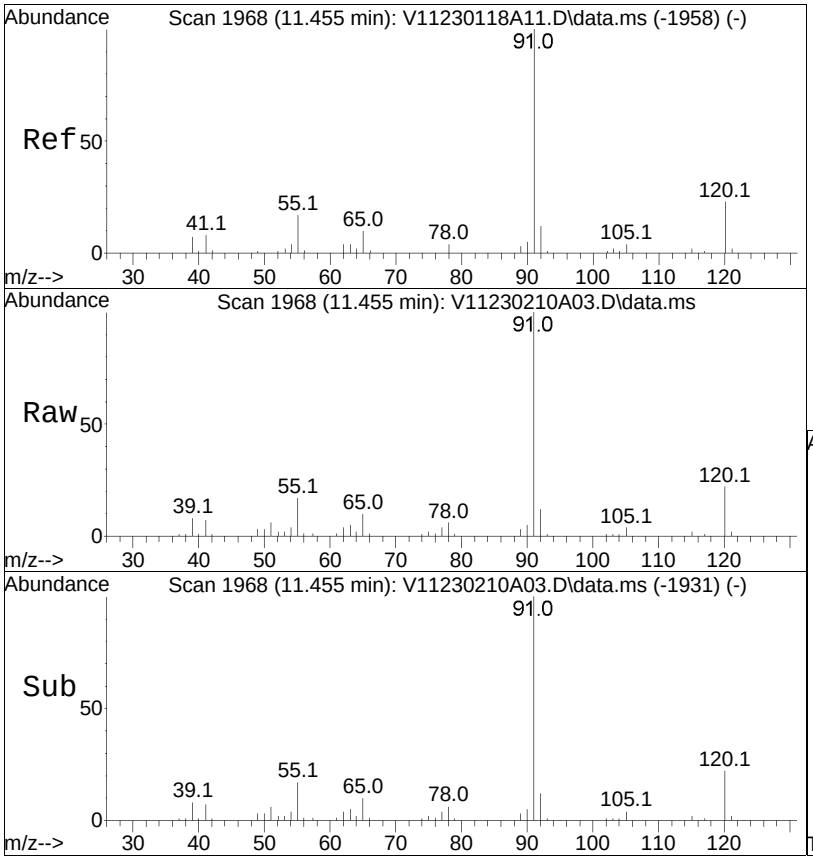


#84
Bromobenzene
Concen: 37.29 ug/L
RT: 11.413 min Scan# 1960
Delta R.T. -0.006 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:156 Resp: 37928

Ion	Ratio	Lower	Upper
156	100		
158	97.6	77.5	116.3

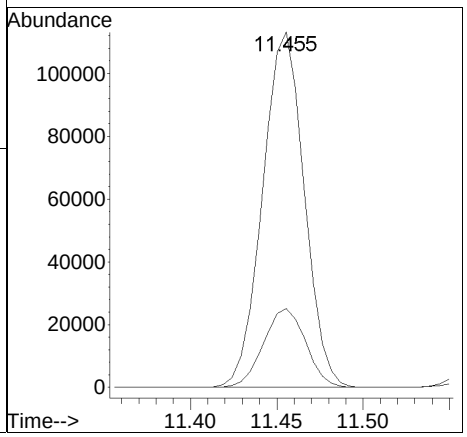


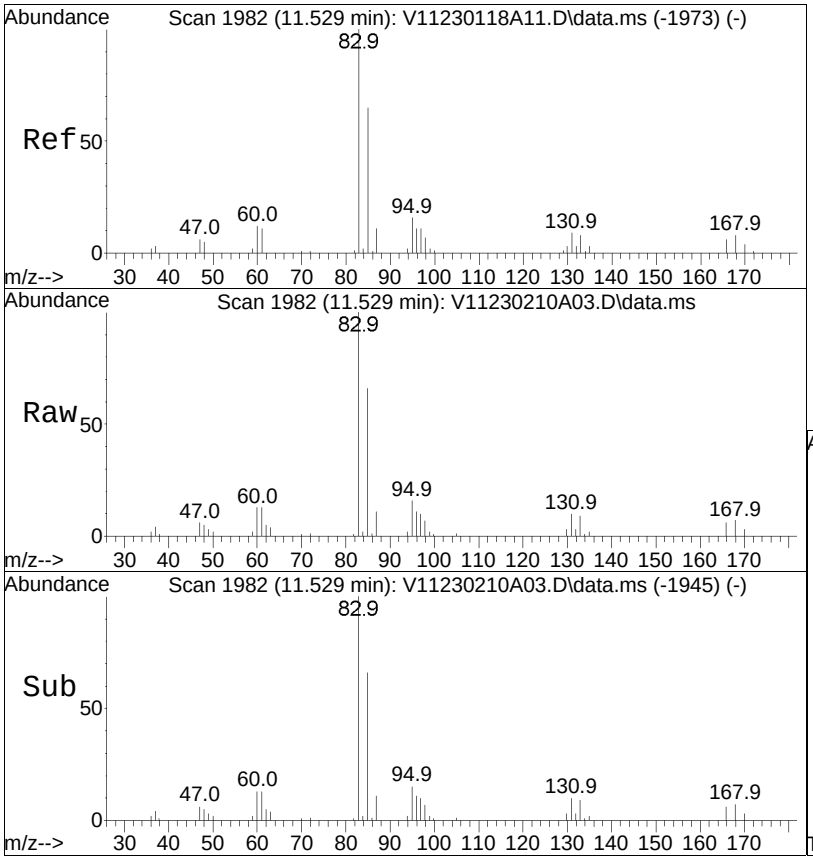


#85
n-Propylbenzene
Concen: 39.81 ug/L
RT: 11.455 min Scan# 1968
Delta R.T. -0.006 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 91 Resp: 190054

Ion	Ratio	Lower	Upper
91	100		
120	22.5	18.6	27.8

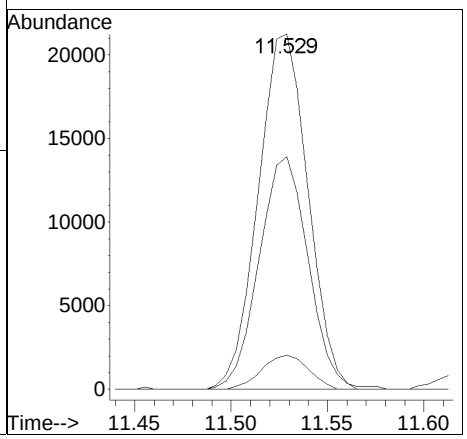


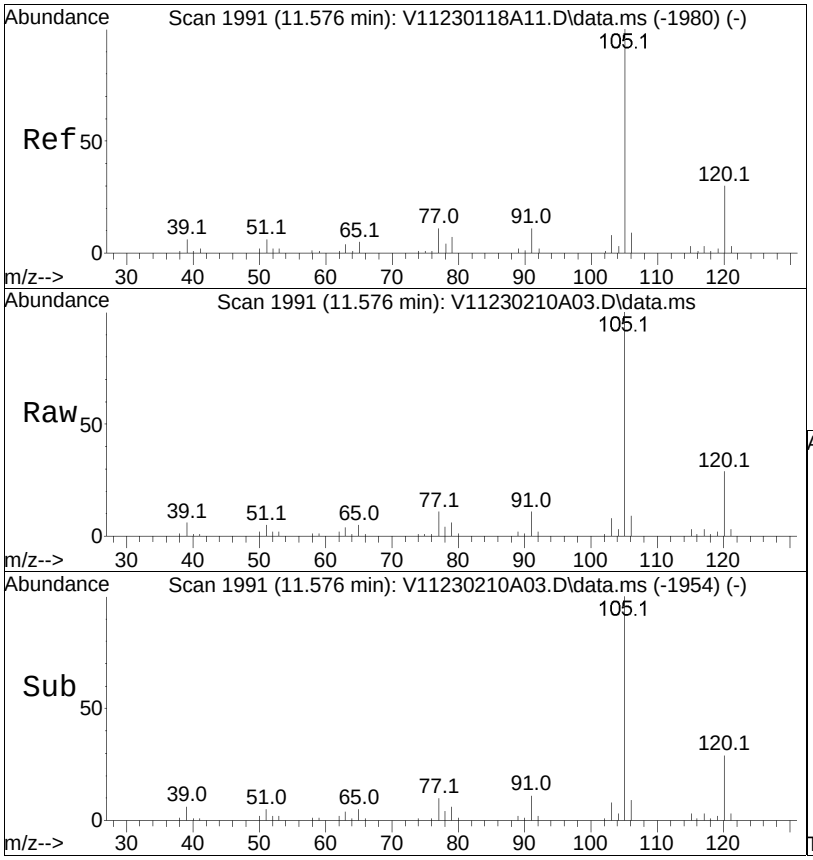


#87
1,1,2,2-Tetrachloroethane
Concen: 39.85 ug/L
RT: 11.529 min Scan# 1982
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 83 Resp: 38134

Ion	Ratio	Lower	Upper
83	100		
131	9.1	0.0	30.1
85	64.8	45.8	85.8

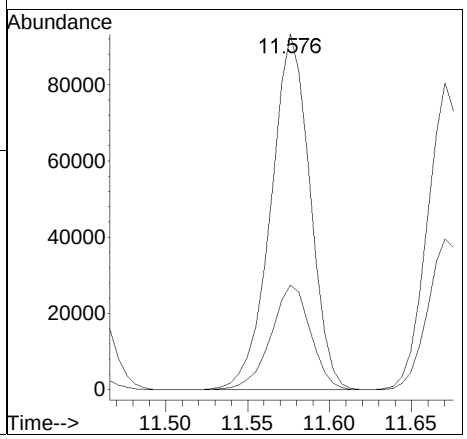


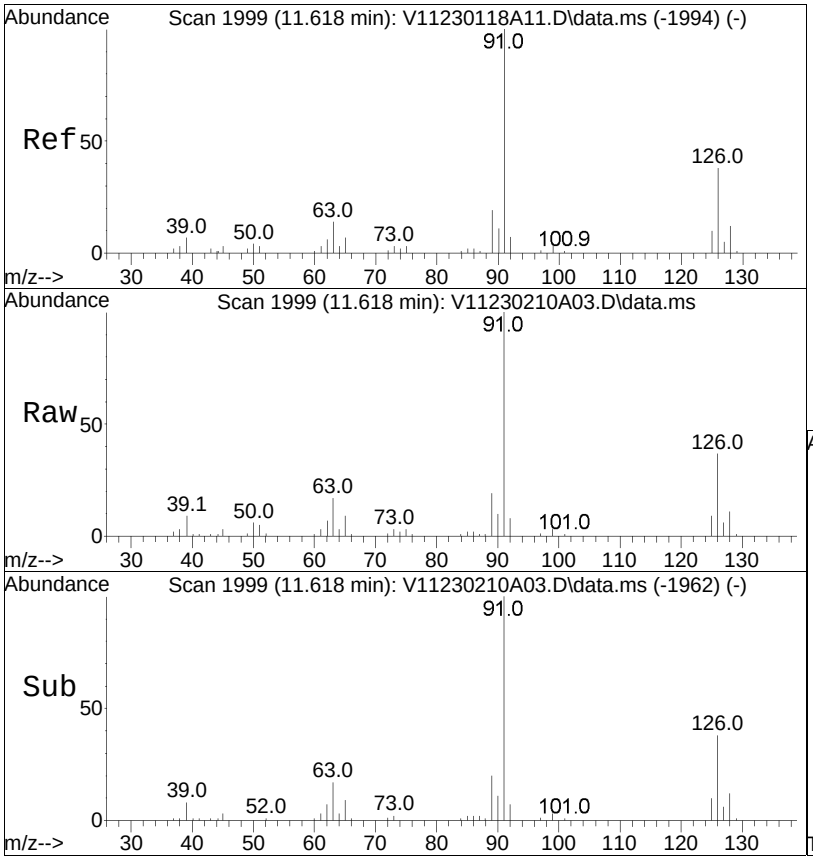


#88
4-Ethyltoluene
Concen: 40.40 ug/L
RT: 11.576 min Scan# 1991
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:105 Resp: 154590

Ion	Ratio	Lower	Upper
105	100		
120	29.6	19.5	40.5

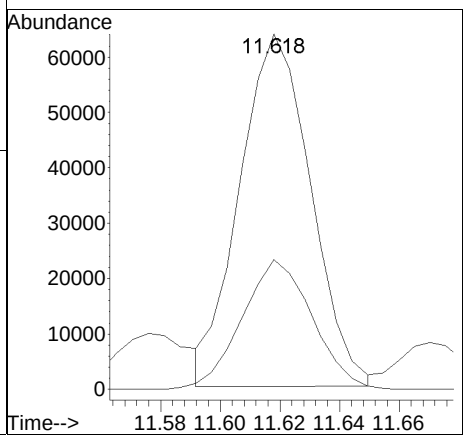


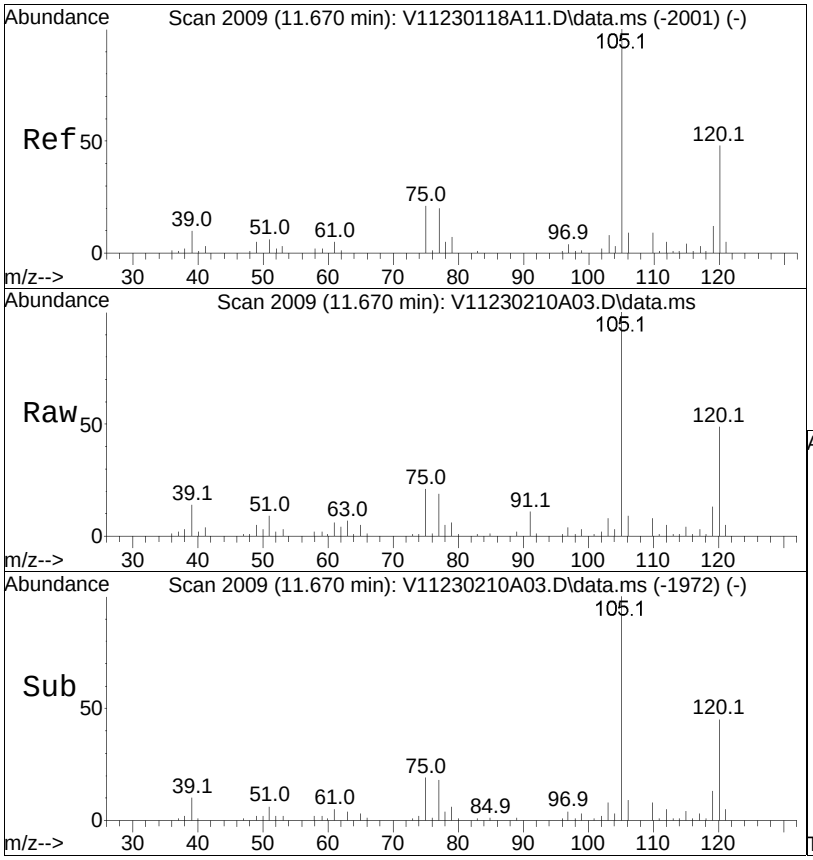


#89
2-Chlorotoluene
Concen: 37.66 ug/L
RT: 11.618 min Scan# 1999
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 91 Resp: 105483

Ion	Ratio	Lower	Upper
91	100		
126	36.3	24.3	36.5

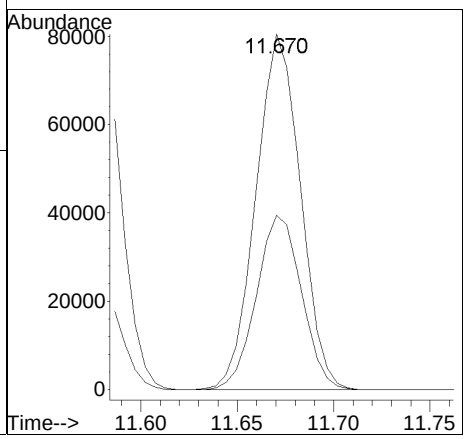


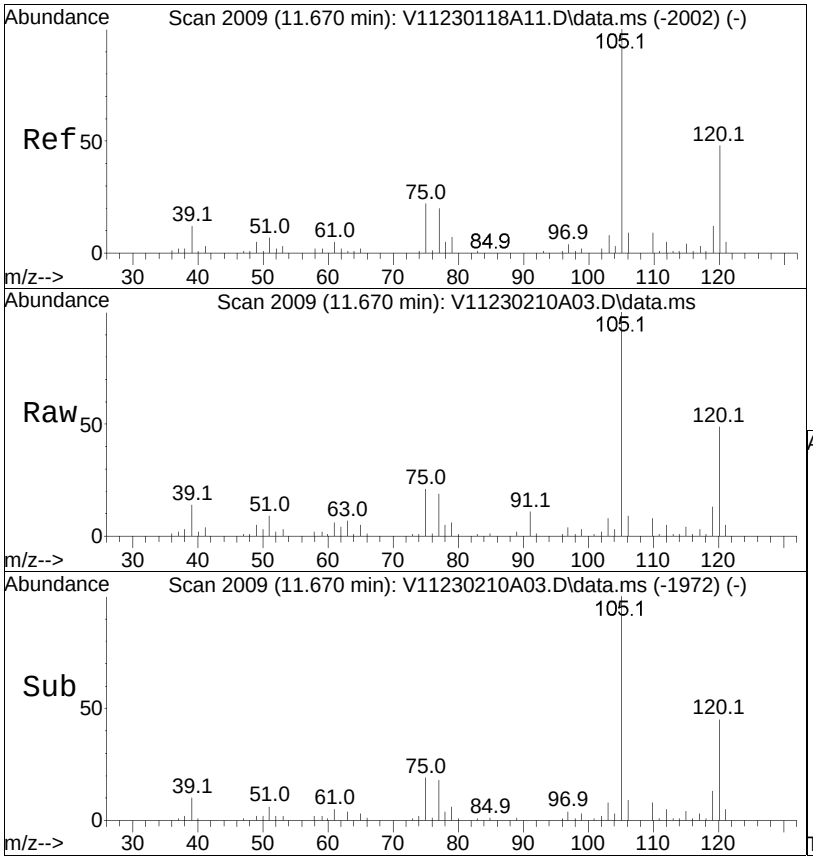


#90
1,3,5-Trimethylbenzene
Concen: 39.63 ug/L
RT: 11.670 min Scan# 2009
Delta R.T. -0.006 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:105 Resp: 129071

Ion	Ratio	Lower	Upper
105	100		
120	49.5	39.8	59.8

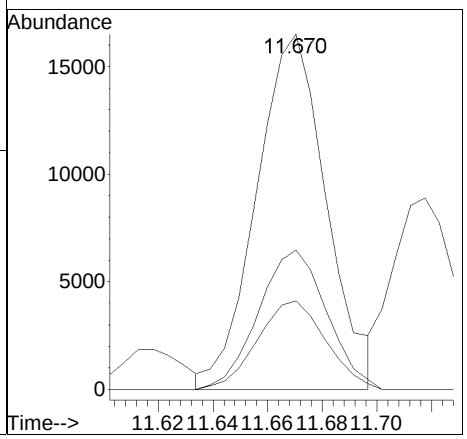


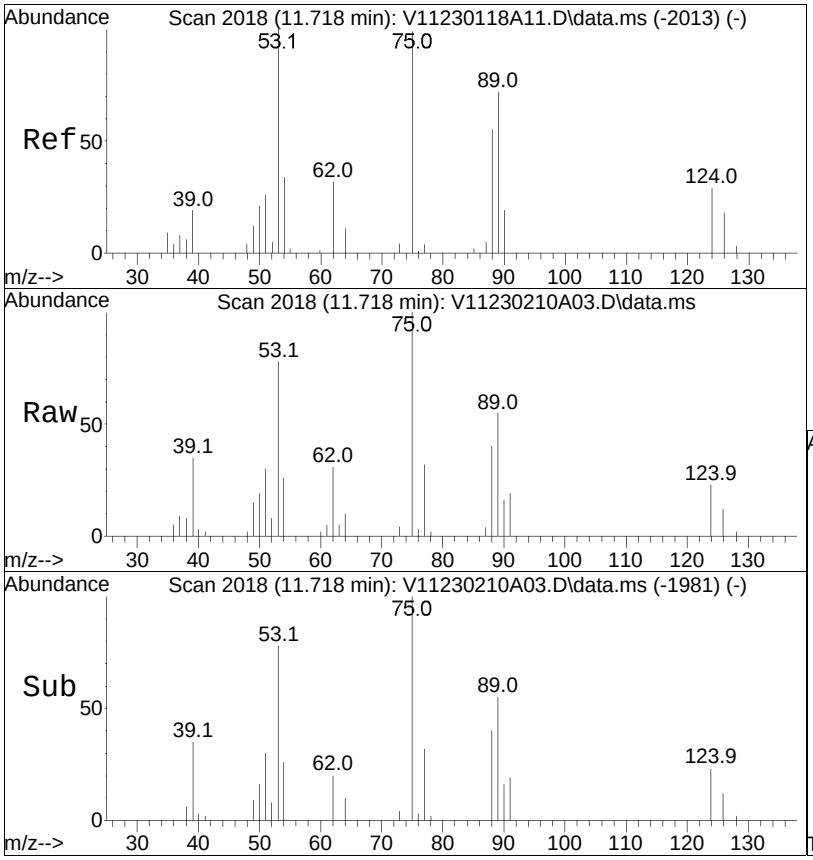


#91
1,2,3-Trichloropropane
Concen: 39.03 ug/L
RT: 11.670 min Scan# 2009
Delta R.T. -0.006 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 75 Resp: 29299

Ion	Ratio	Lower	Upper
75	100		
110	38.2	25.2	52.2
112	24.4	15.7	32.5

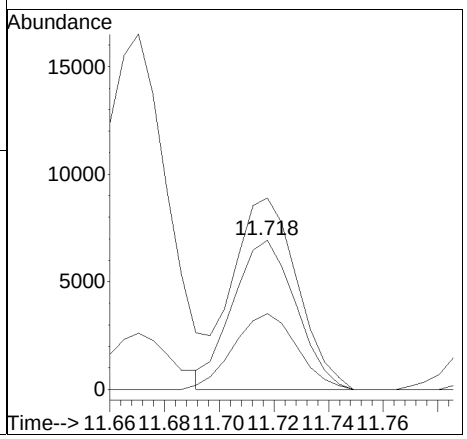


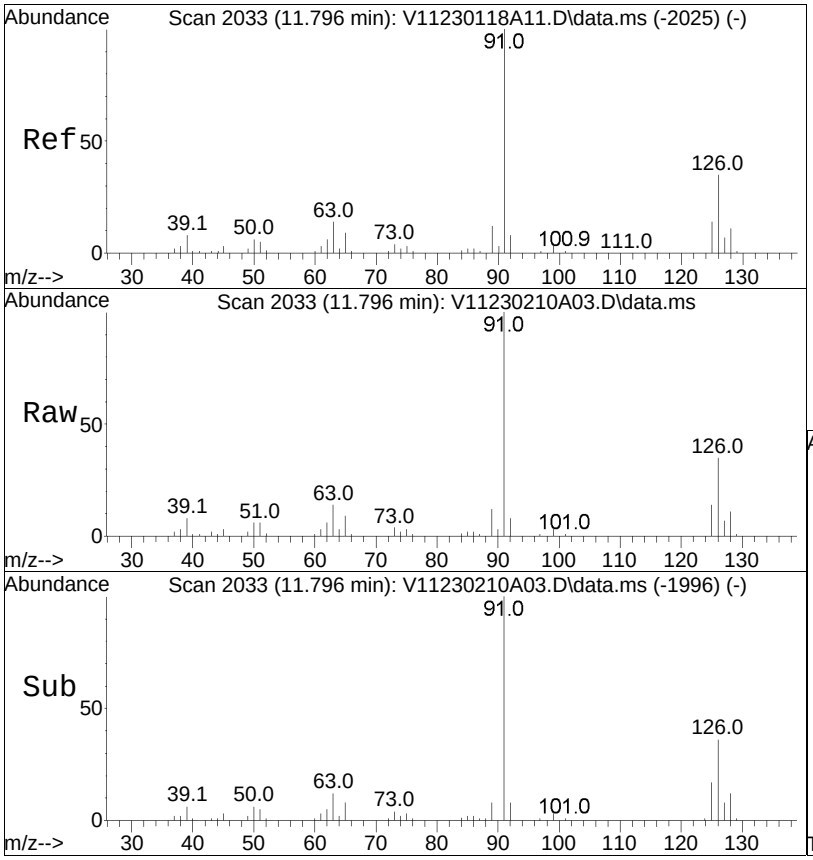


#92
trans-1,4-Dichloro-2-butene
Concen: 44.45 ug/L
RT: 11.718 min Scan# 2018
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 53 Resp: 11114

Ion	Ratio	Lower	Upper
53	100		
88	51.0	34.1	51.1
75	127.4	82.8	124.2#

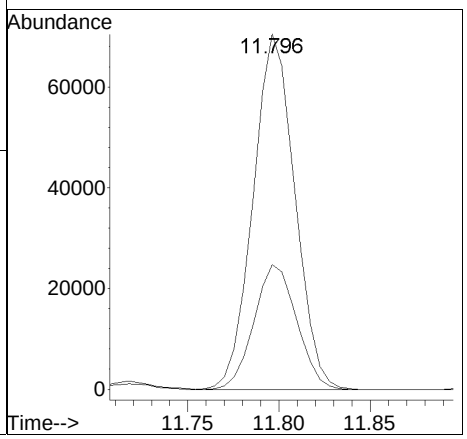


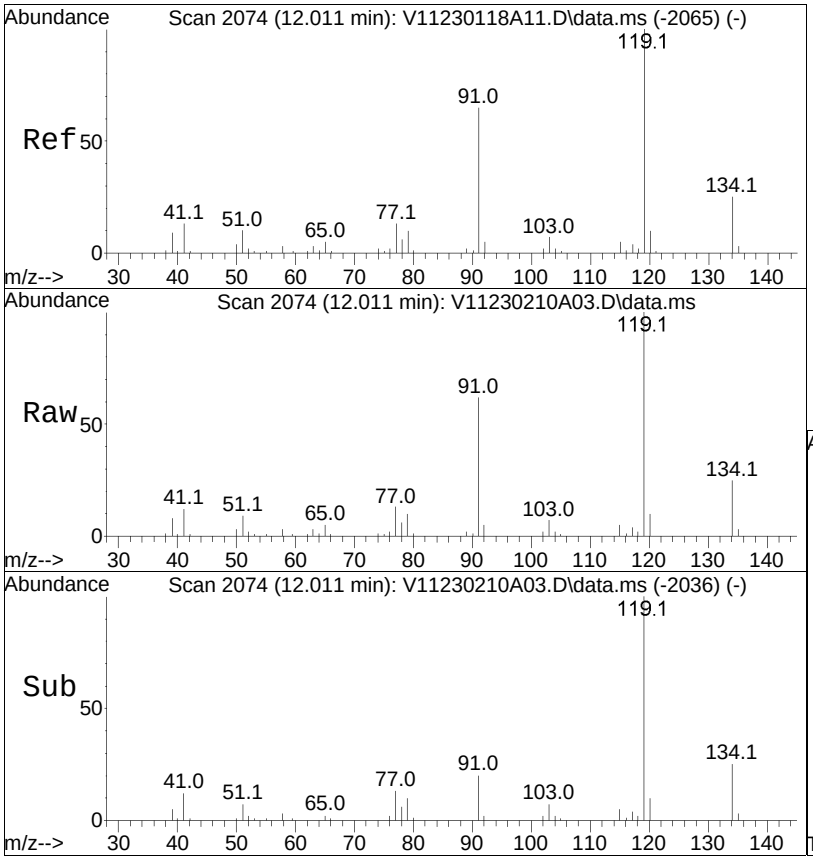


#93
4-Chlorotoluene
Concen: 38.56 ug/L
RT: 11.796 min Scan# 2033
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 91 Resp: 112254

Ion	Ratio	Lower	Upper
91	100		
126	35.8	27.9	41.9

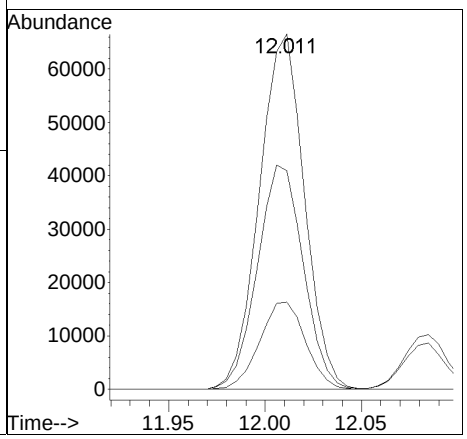


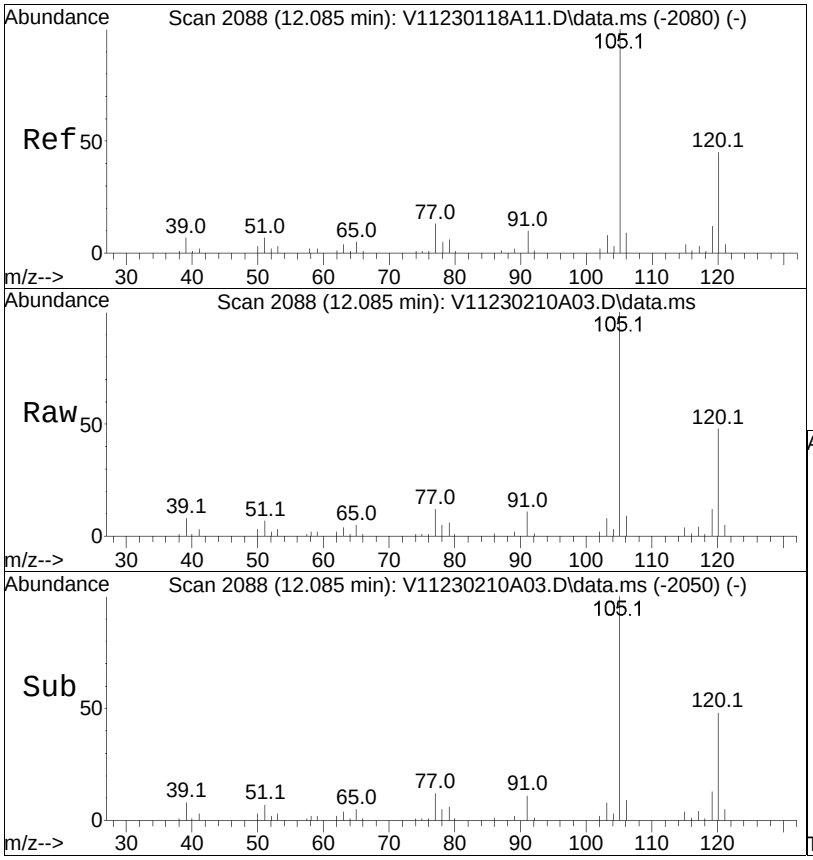


#94
tert-Butylbenzene
Concen: 39.39 ug/L
RT: 12.011 min Scan# 2074
Delta R.T. 0.000 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:119 Resp: 108325

Ion	Ratio	Lower	Upper
119	100		
91	64.3	53.0	79.4
134	25.0	19.8	29.6

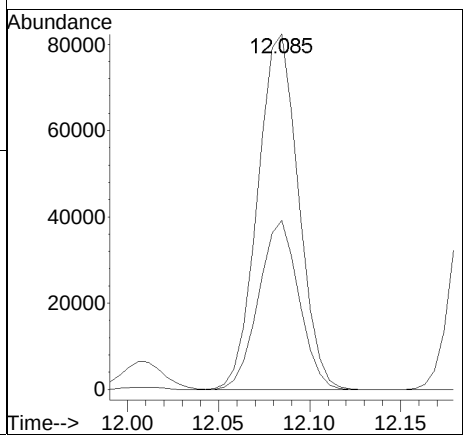


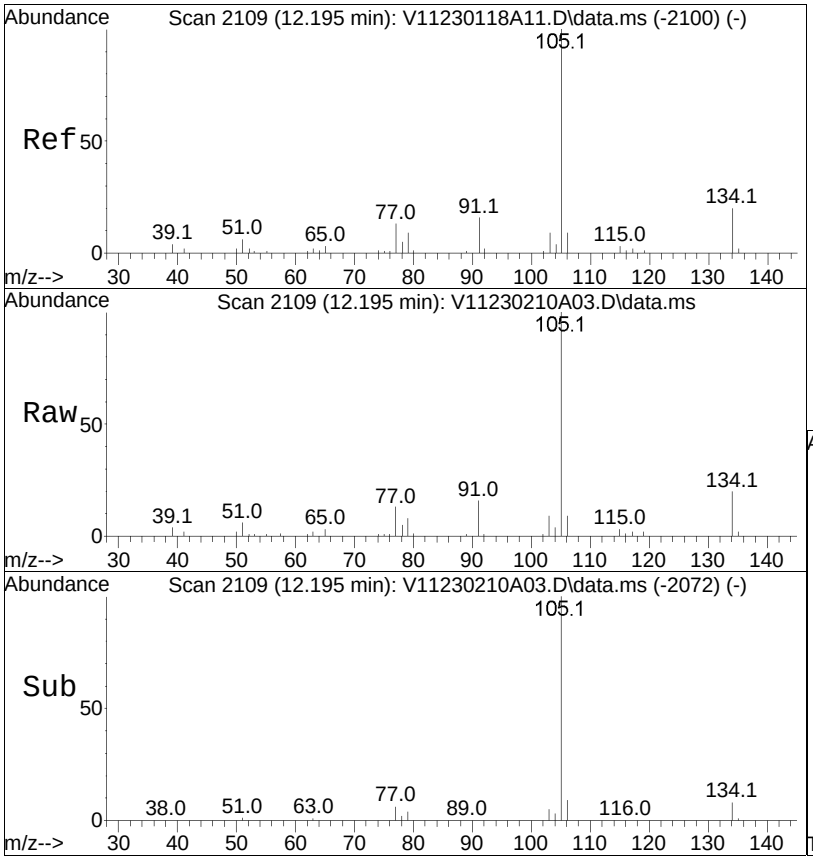


#97
1,2,4-Trimethylbenzene
Concen: 39.51 ug/L
RT: 12.085 min Scan# 2088
Delta R.T. -0.000 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:105 Resp: 128140

Ion	Ratio	Lower	Upper
105	100		
120	46.8	37.4	56.0

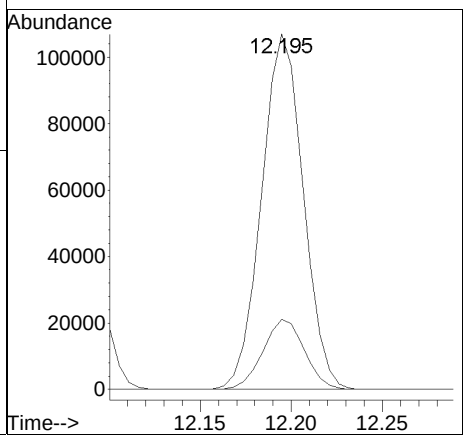


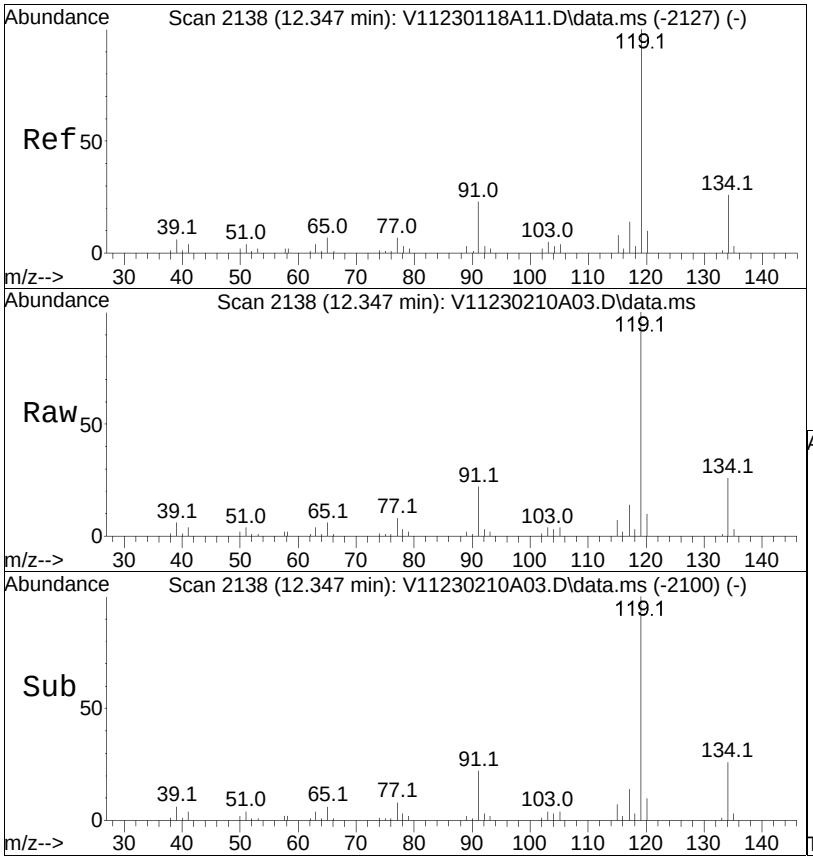


#98
sec-Butylbenzene
Concen: 40.86 ug/L
RT: 12.195 min Scan# 2109
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:105 Resp: 170131

Ion	Ratio	Lower	Upper
105	100		
134	19.6	13.2	27.4

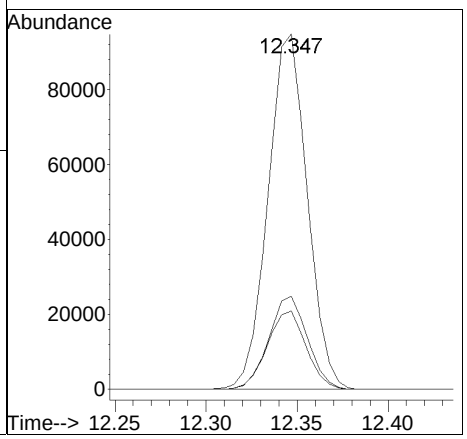


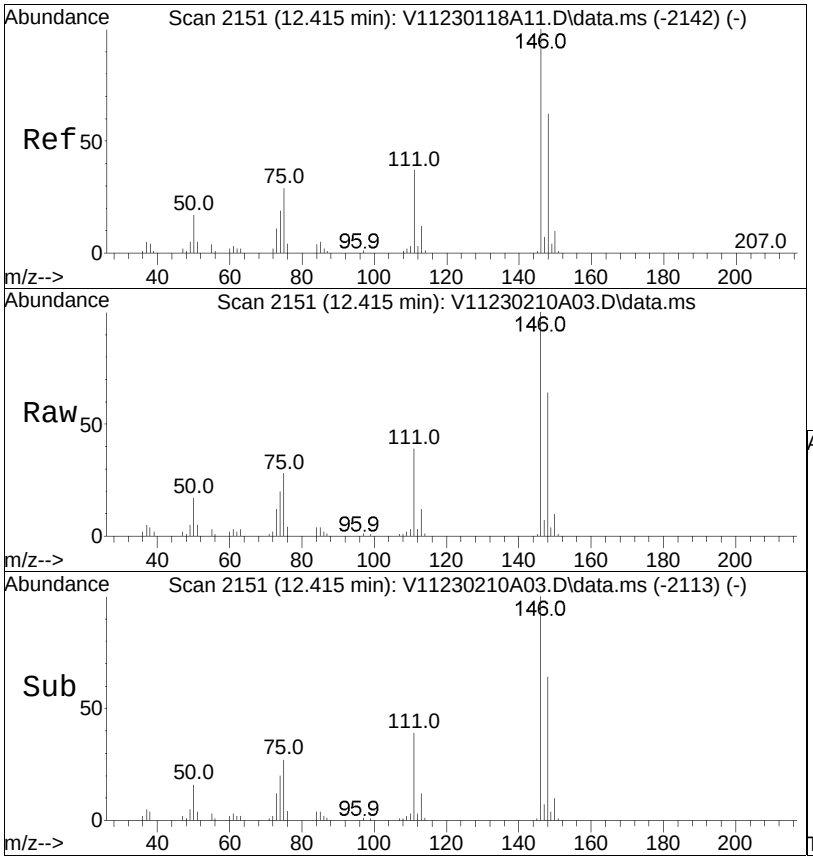


#99
p-Isopropyltoluene
Concen: 40.00 ug/L
RT: 12.347 min Scan# 2138
Delta R.T. -0.000 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:119 Resp: 142102

Ion	Ratio	Lower	Upper
119	100		
134	25.9	17.1	35.5
91	21.9	15.3	31.9

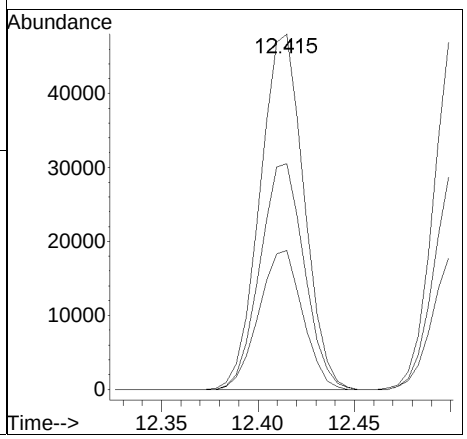


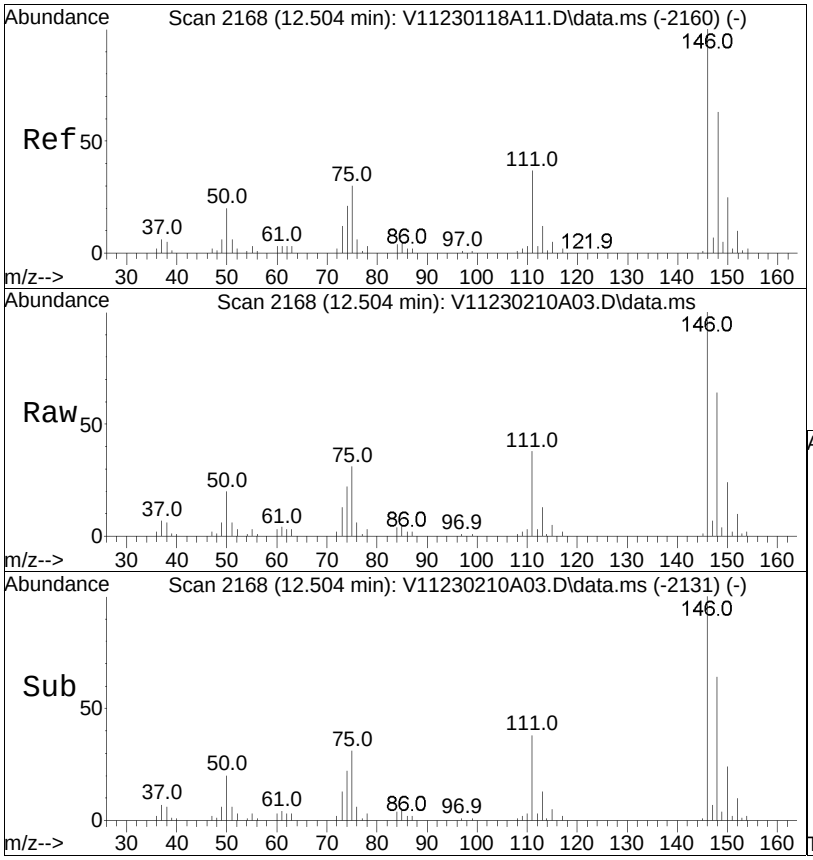


#100
1,3-Dichlorobenzene
Concen: 38.64 ug/L
RT: 12.415 min Scan# 2151
Delta R.T. -0.000 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:146 Resp: 76111

Ion	Ratio	Lower	Upper
146	100		
111	38.9	25.6	53.2
148	64.0	41.3	85.9

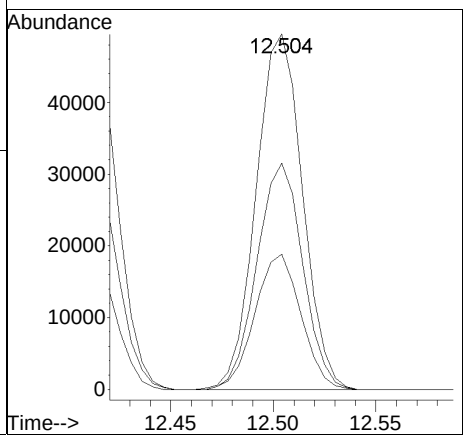


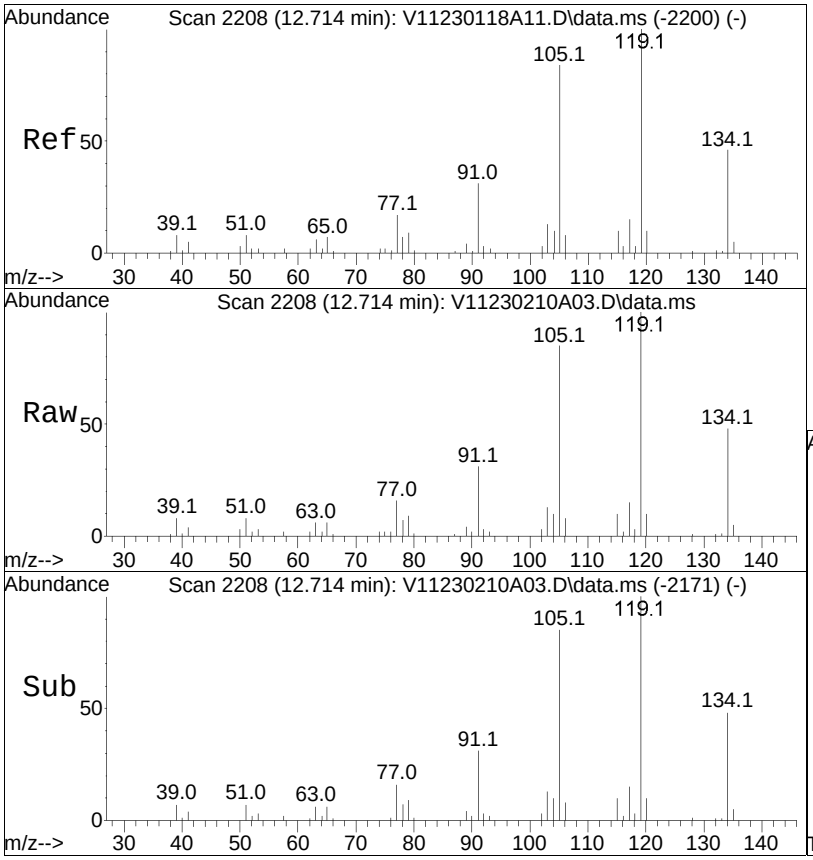


#101
1,4-Dichlorobenzene
Concen: 38.54 ug/L
RT: 12.504 min Scan# 2168
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:146 Resp: 77968

Ion	Ratio	Lower	Upper
146	100		
111	37.9	31.4	47.0
148	62.9	50.7	76.1

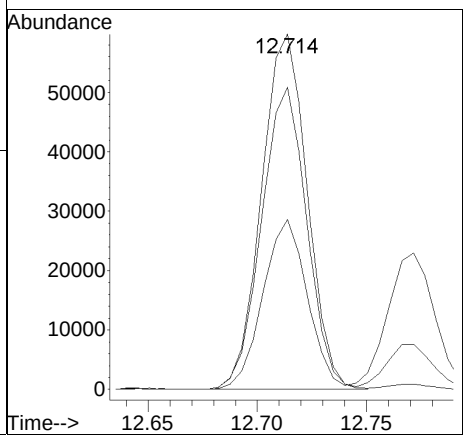


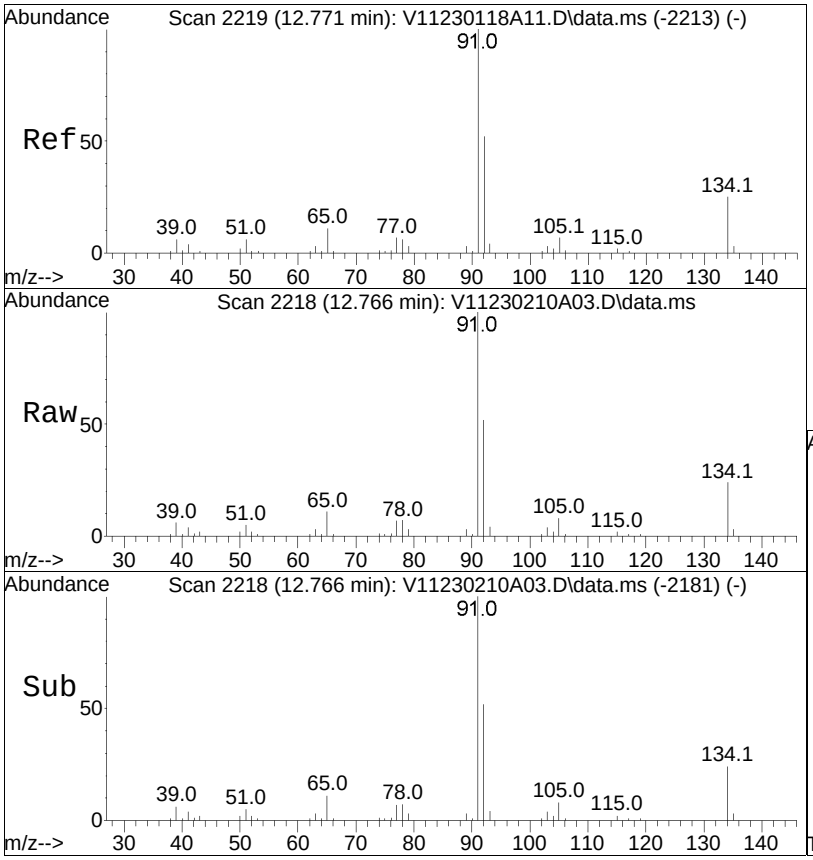


#102
p-Diethylbenzene
Concen: 40.77 ug/L
RT: 12.714 min Scan# 2208
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:119 Resp: 86977

Ion	Ratio	Lower	Upper
119	100		
105	84.4	54.5	113.3
134	46.5	29.9	62.1

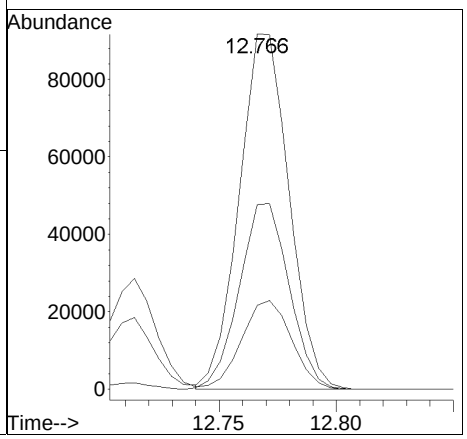


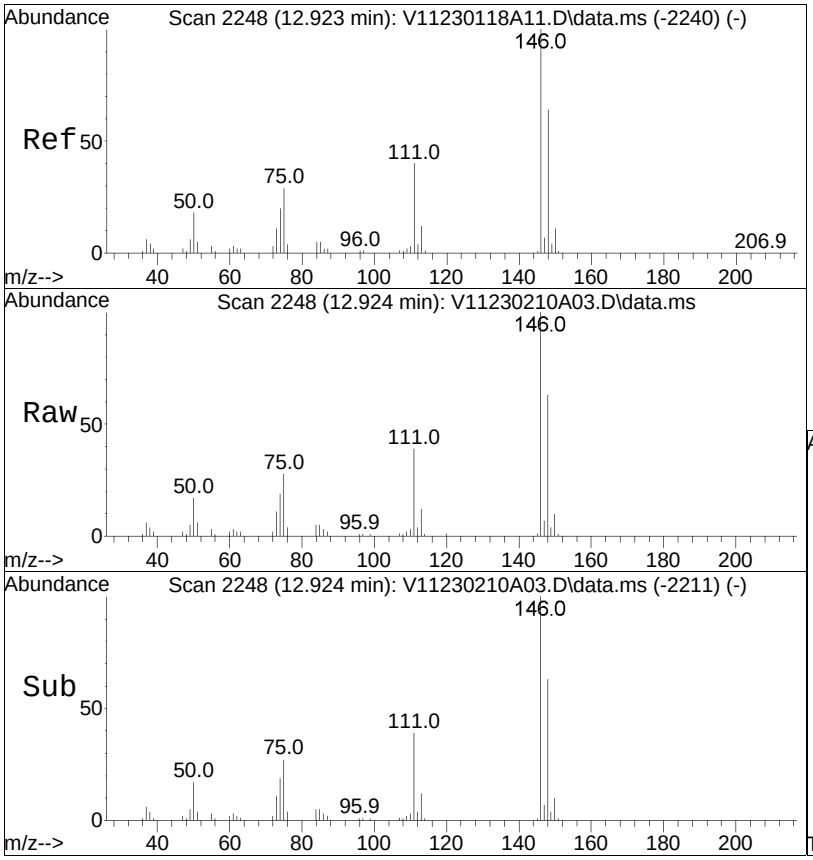


#103
n-Butylbenzene
Concen: 41.50 ug/L
RT: 12.766 min Scan# 2218
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion: 91 Resp: 135989

Ion	Ratio	Lower	Upper
91	100		
92	52.4	43.3	64.9
134	25.2	21.4	32.0

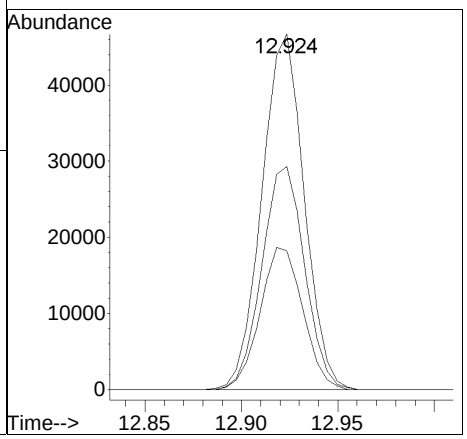


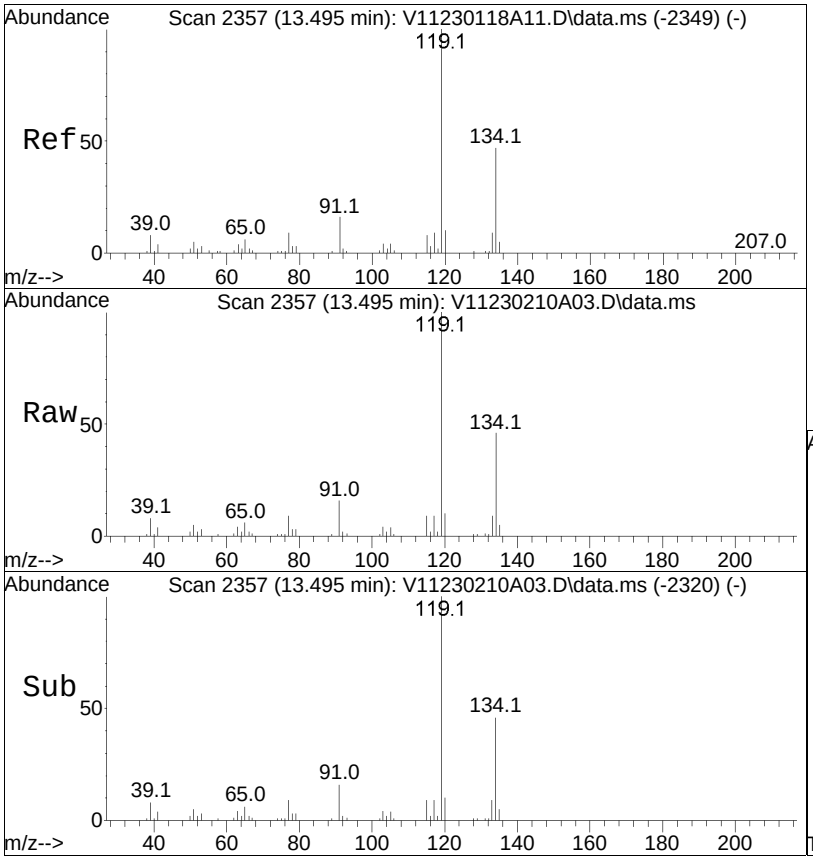


#104
1,2-Dichlorobenzene
Concen: 38.21 ug/L
RT: 12.924 min Scan# 2248
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:146 Resp: 71232

Ion	Ratio	Lower	Upper
146	100		
111	40.4	26.9	55.9
148	63.4	41.2	85.6

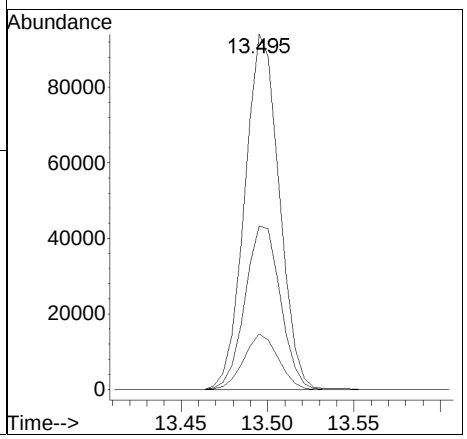


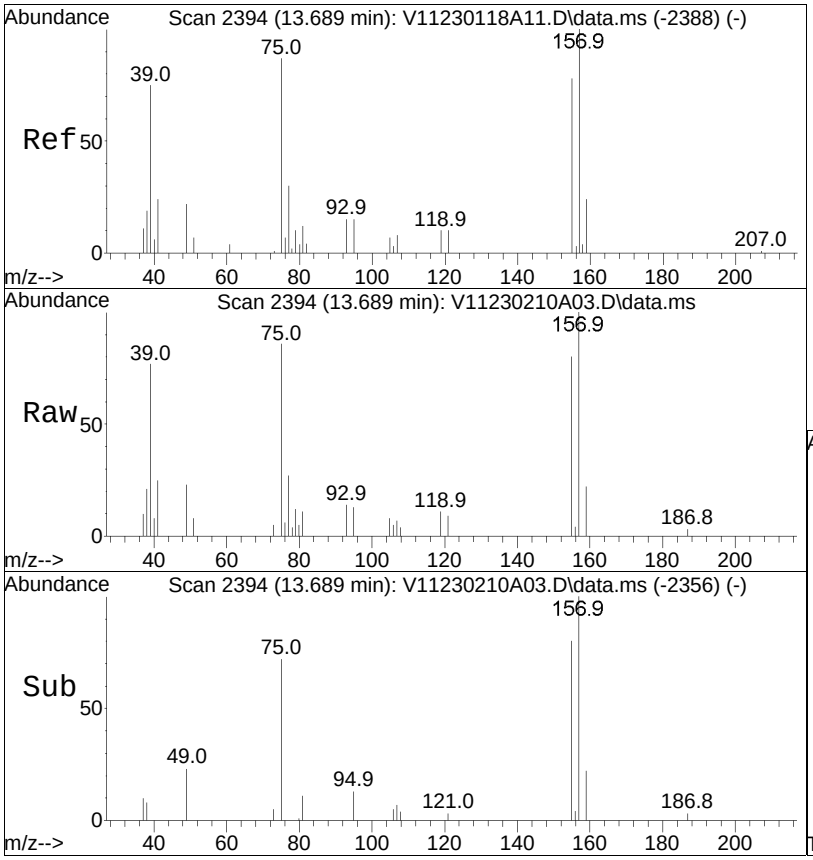


#105
1,2,4,5-Tetramethylbenzene
Concen: 39.25 ug/L
RT: 13.495 min Scan# 2357
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:119 Resp: 130772

Ion	Ratio	Lower	Upper
119	100		
134	47.2	31.1	64.5
91	15.5	10.4	21.6

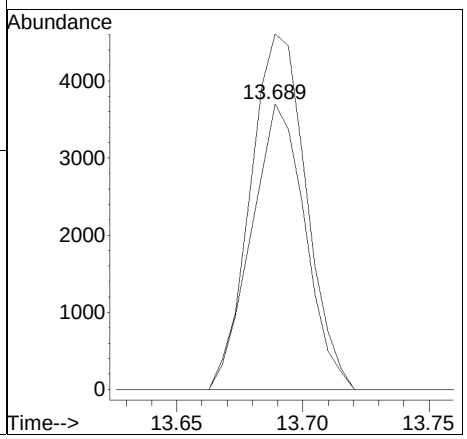


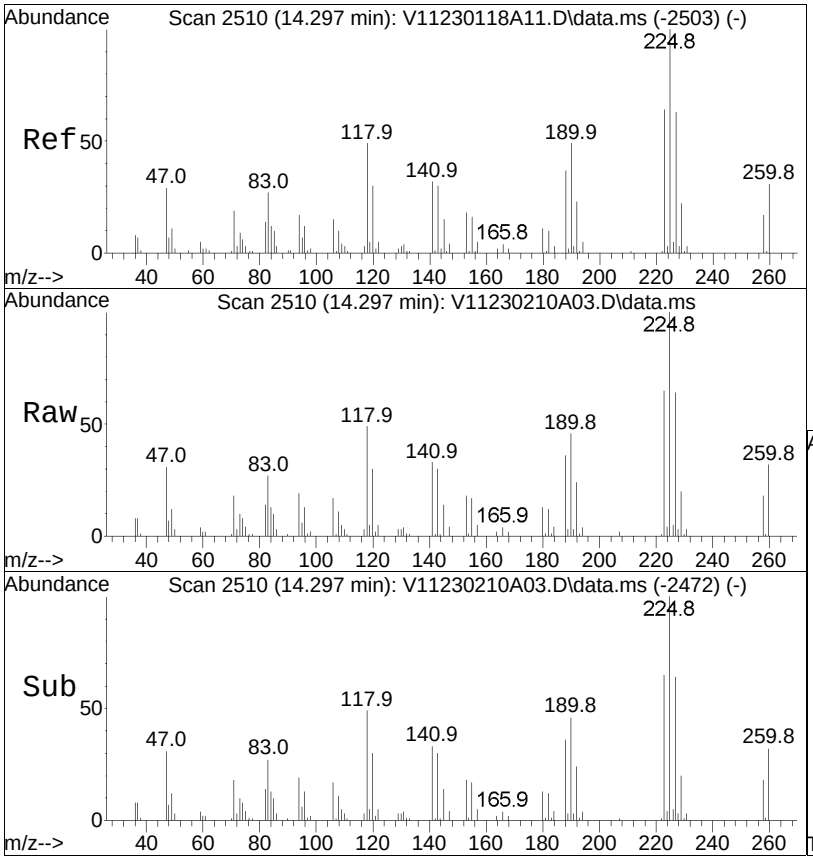


#106
1,2-Dibromo-3-chloropropane
Concen: 38.82 ug/L
RT: 13.689 min Scan# 2394
Delta R.T. -0.000 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:155 Resp: 5487

Ion	Ratio	Lower	Upper
155	100		
157	129.2	100.0	150.0

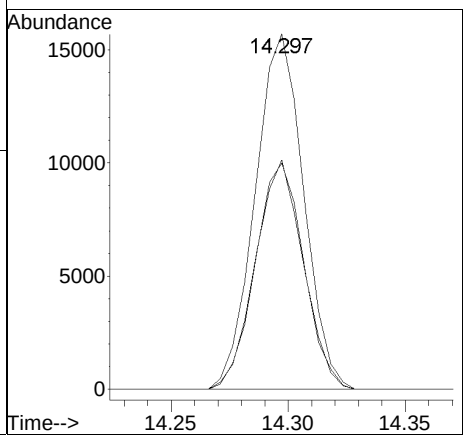


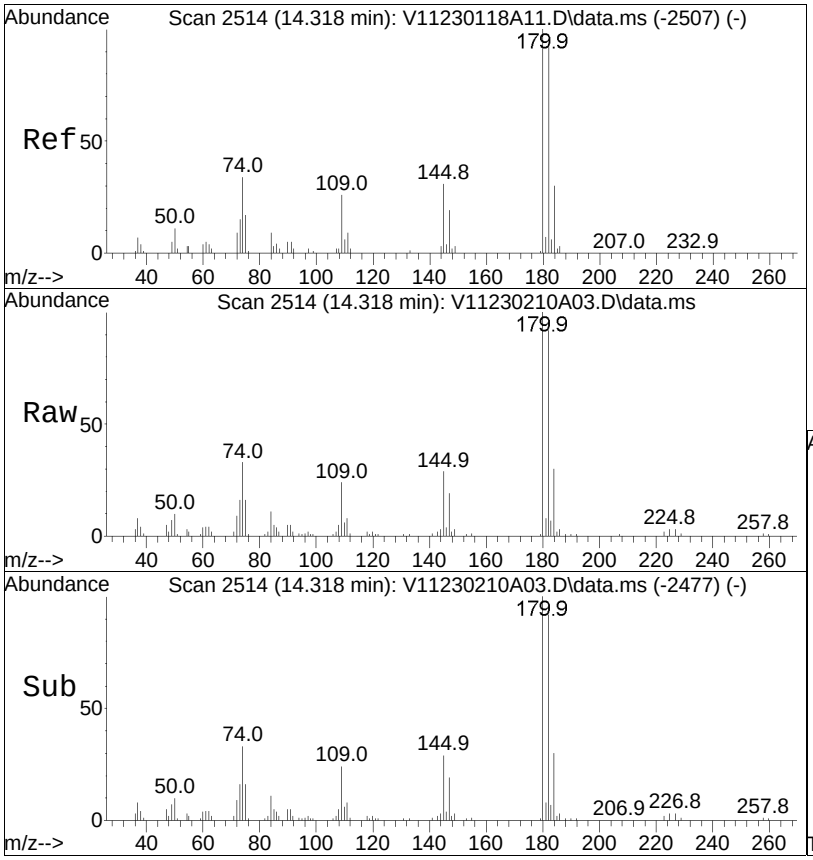


#108
Hexachlorobutadiene
Concen: 39.10 ug/L
RT: 14.297 min Scan# 2510
Delta R.T. 0.000 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:225 Resp: 22618

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.9	74.9
227	63.8	50.6	75.8

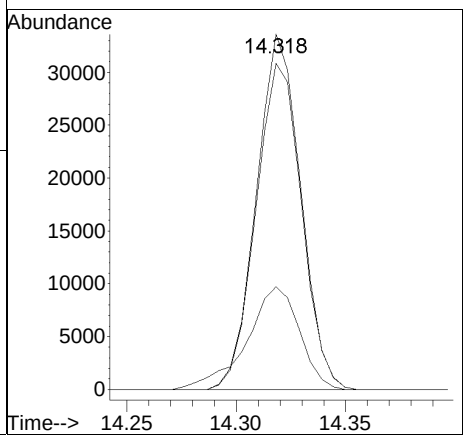


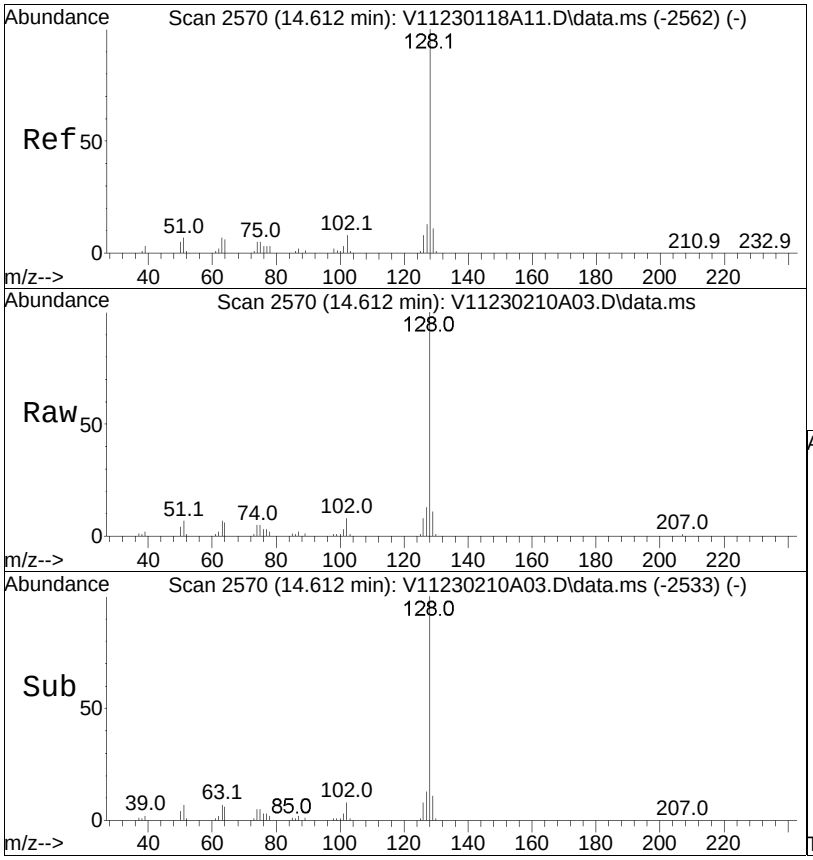


#109
1,2,4-Trichlorobenzene
Concen: 40.23 ug/L
RT: 14.318 min Scan# 2514
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:180 Resp: 47290

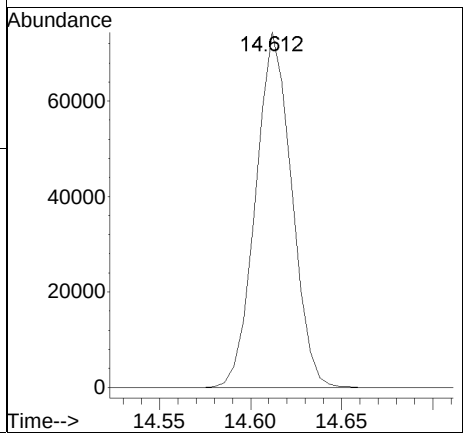
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.8	113.6
145	34.4	29.6	44.4

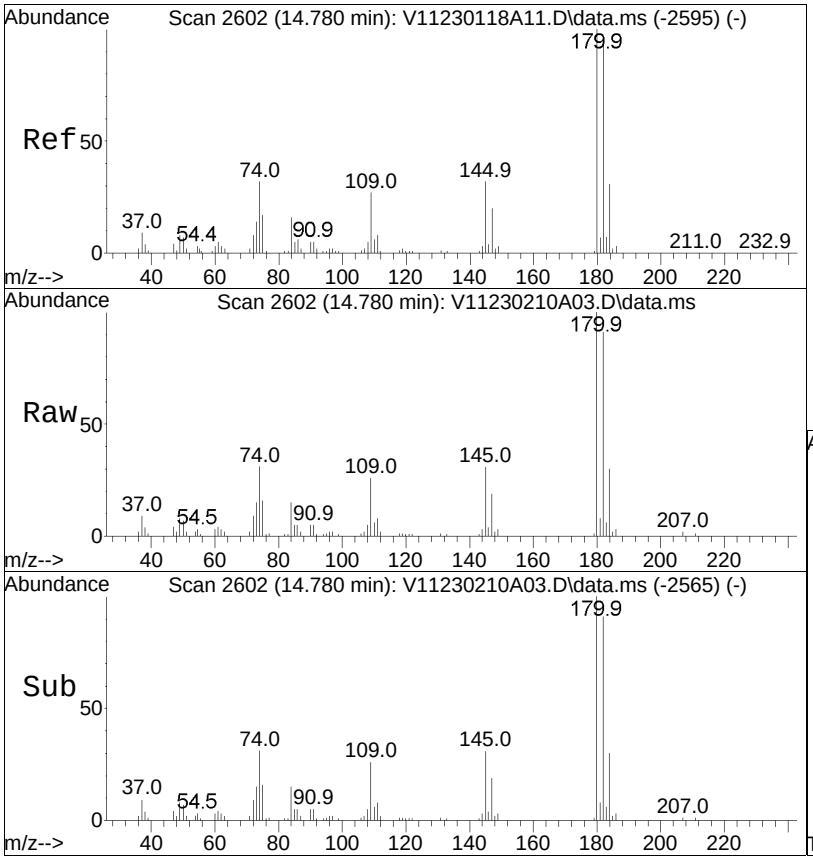




#110
Naphthalene
Concen: 40.42 ug/L
RT: 14.612 min Scan# 2570
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:128 Resp: 102150

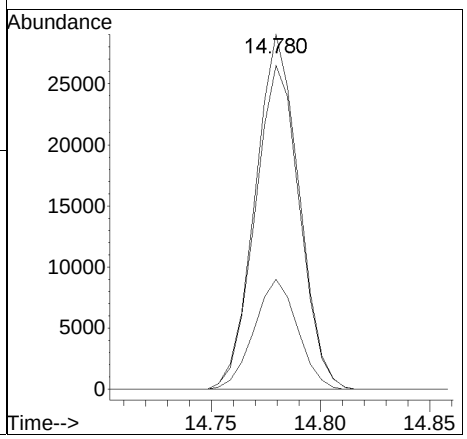




#111
1,2,3-Trichlorobenzene
Concen: 41.26 ug/L
RT: 14.780 min Scan# 2602
Delta R.T. -0.005 min
Lab File: V11230210A03.D
Acq: 10 Feb 2023 08:24 am

Tgt Ion:180 Resp: 40494

Ion	Ratio	Lower	Upper
180	100		
182	93.0	74.2	111.4
145	30.8	26.3	39.5



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2	QMethod	: V111_230118_8260.m
Data File	: V11230210A03.D	Operator	: VOA111:NLK
Date Inj'd	: 2/10/2023 8:24 am	Instrument	: VOA111
Sample	: WG1743940-4,31,5,5	Quant Date	: 2/10/2023 9:07 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213A03.D
Acq On : 13 Feb 2023 08:23 am
Operator : VOA111:AJK
Sample : WG1744281-4,31,5,5
Misc : WG1744281,ICAL19665
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 13 09:12:19 2023
Quant Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230213A\V11230213A02.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.265	96	82855	20.000	ug/L	0.00
Standard Area 1 = 84561			Recovery = 97.98%			
59) Chlorobenzene-d5	9.841	117	61033	20.000	ug/L	-0.01
Standard Area 1 = 63730			Recovery = 95.77%			
79) 1,4-Dichlorobenzene-d4	12.488	152	30556	20.000	ug/L	0.00
Standard Area 1 = 32706			Recovery = 93.43%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.431	113	20521	19.312	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.56%			
43) 1,2-Dichloroethane-d4	5.971	65	20144	19.120	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.60%			
60) Toluene-d8	7.984	98	80597	20.372	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.86%			
83) 4-Bromofluorobenzene	11.298	95	25160	19.527	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.64%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	30537	31.523	ug/L	98
3) Chloromethane	1.897	50	37360	33.009	ug/L	96
4) Vinyl chloride	1.960	62	51129	36.663	ug/L	96
5) Bromomethane	2.301	94	55558	36.265	ug/L	97
6) Chloroethane	2.432	64	25220	40.640	ug/L	95
7) Trichlorofluoromethane	2.584	101	53599	41.901	ug/L	98
8) Ethyl ether	2.904	74	16281	39.494	ug/L #	64
10) 1,1-Dichloroethene	3.108	96	32336	39.053	ug/L #	77
11) Carbon disulfide	3.140	76	112006	60.566	ug/L	100
15) Methylene chloride	3.685	84	37798	31.518	ug/L	66
17) Acetone	3.722	43	10250	36.470	ug/L	93
18) trans-1,2-Dichloroethene	3.848	96	36687	37.170	ug/L	81
20) Methyl tert-butyl ether	3.947	73	85238	36.629	ug/L #	84
23) 1,1-Dichloroethane	4.451	63	63984	35.849	ug/L	95
25) Acrylonitrile	4.487	53	9188	38.836	ug/L	96
27) Vinyl acetate	4.687	43	74761	38.250	ug/L #	90
28) cis-1,2-Dichloroethene	4.980	96	40718	36.416	ug/L #	79
29) 2,2-Dichloropropane	5.096	77	56049	38.371	ug/L	88
30) Bromochloromethane	5.179	128	18820	36.230	ug/L #	66
32) Chloroform	5.253	83	68270	36.292	ug/L	95

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213A03.D
Acq On : 13 Feb 2023 08:23 am
Operator : VOA111:AJK
Sample : WG1744281-4,31,5,5
Misc : WG1744281,ICAL19665
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 13 09:12:19 2023
Quant Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230213A\V11230213A02.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	5.405	117	50162	38.998	ug/L		97
37) 1,1,1-Trichloroethane	5.468	97	53393	38.120	ug/L		97
39) 2-Butanone	5.546	43	13320	36.489	ug/L		99
40) 1,1-Dichloropropene	5.588	75	47480	39.114	ug/L		99
41) Benzene	5.840	78	143793	36.727	ug/L	#	89
44) 1,2-Dichloroethane	6.045	62	45482	34.279	ug/L		99
48) Trichloroethene	6.443	95	39067	38.916	ug/L		99
50) Dibromomethane	6.889	93	22482	35.990	ug/L		97
51) 1,2-Dichloropropane	6.999	63	36837	35.894	ug/L		97
54) Bromodichloromethane	7.062	83	51229	35.686	ug/L		99
57) 1,4-Dioxane	7.277	88	17418	2125.544	ug/L	#	71
58) cis-1,3-Dichloropropene	7.764	75	60510	37.058	ug/L	#	87
61) Toluene	8.042	92	89384	37.892	ug/L		95
62) 4-Methyl-2-pentanone	8.467	58	10046	33.174	ug/L	#	80
63) Tetrachloroethene	8.493	166	37256	41.107	ug/L		98
65) trans-1,3-Dichloropropene	8.514	75	54593	37.212	ug/L	#	82
68) 1,1,2-Trichloroethane	8.708	83	25587	36.507	ug/L		99
69) Chlorodibromomethane	8.923	129	36414	36.838	ug/L		96
70) 1,3-Dichloropropane	9.033	76	51739	36.526	ug/L		100
71) 1,2-Dibromoethane	9.206	107	30289	38.406	ug/L		99
72) 2-Hexanone	9.479	43	18924	37.215	ug/L		91
73) Chlorobenzene	9.862	112	101915	36.984	ug/L		90
74) Ethylbenzene	9.903	91	169500	38.138	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.945	131	36948	39.121	ug/L		98
76) p/m Xylene	10.087	106	133129	78.636	ug/L		99
77) o Xylene	10.617	106	129436	79.105	ug/L		97
78) Styrene	10.674	104	219958	79.612	ug/L		94
80) Bromoform	10.700	173	22957	37.581	ug/L		100
82) Isopropylbenzene	10.989	105	166645	40.257	ug/L		100
84) Bromobenzene	11.413	156	40839	37.052	ug/L		99
85) n-Propylbenzene	11.455	91	205459	39.712	ug/L		99
87) 1,1,2,2-Tetrachloroethane	11.529	83	38665	37.287	ug/L		98
88) 4-Ethyltoluene	11.576	105	168113	40.542	ug/L		100
89) 2-Chlorotoluene	11.618	91	114991	37.891	ug/L		90
90) 1,3,5-Trimethylbenzene	11.670	105	140059	39.684	ug/L		100
91) 1,2,3-Trichloropropane	11.670	75	29952	36.823	ug/L		99
92) trans-1,4-Dichloro-2-b...	11.718	53	11218	41.406	ug/L	#	79
93) 4-Chlorotoluene	11.796	91	118970	37.719	ug/L		97
94) tert-Butylbenzene	12.006	119	118778	39.862	ug/L		97

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213A03.D
Acq On : 13 Feb 2023 08:23 am
Operator : VOA111:AJK
Sample : WG1744281-4,31,5,5
Misc : WG1744281,ICAL19665
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 13 09:12:19 2023
Quant Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA111\2023\230213A\V11230213A02.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	12.085	105	137862	39.232	ug/L	100
98) sec-Butylbenzene	12.195	105	184023	40.792	ug/L	99
99) p-Isopropyltoluene	12.347	119	153894	39.977	ug/L	99
100) 1,3-Dichlorobenzene	12.410	146	81799	38.324	ug/L	99
101) 1,4-Dichlorobenzene	12.504	146	82024	37.414	ug/L	99
102) p-Diethylbenzene	12.714	119	93508	40.451	ug/L	100
103) n-Butylbenzene	12.766	91	147106	41.433	ug/L	97
104) 1,2-Dichlorobenzene	12.918	146	74959	37.106	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.495	119	137544	38.096	ug/L	100
106) 1,2-Dibromo-3-chloropr...	13.689	155	5428	35.441	ug/L	94
108) Hexachlorobutadiene	14.297	225	24398	38.924	ug/L	100
109) 1,2,4-Trichlorobenzene	14.318	180	48838	38.344	ug/L	99
110) Naphthalene	14.612	128	102708	37.509	ug/L	100
111) 1,2,3-Trichlorobenzene	14.780	180	40479	38.067	ug/L	98

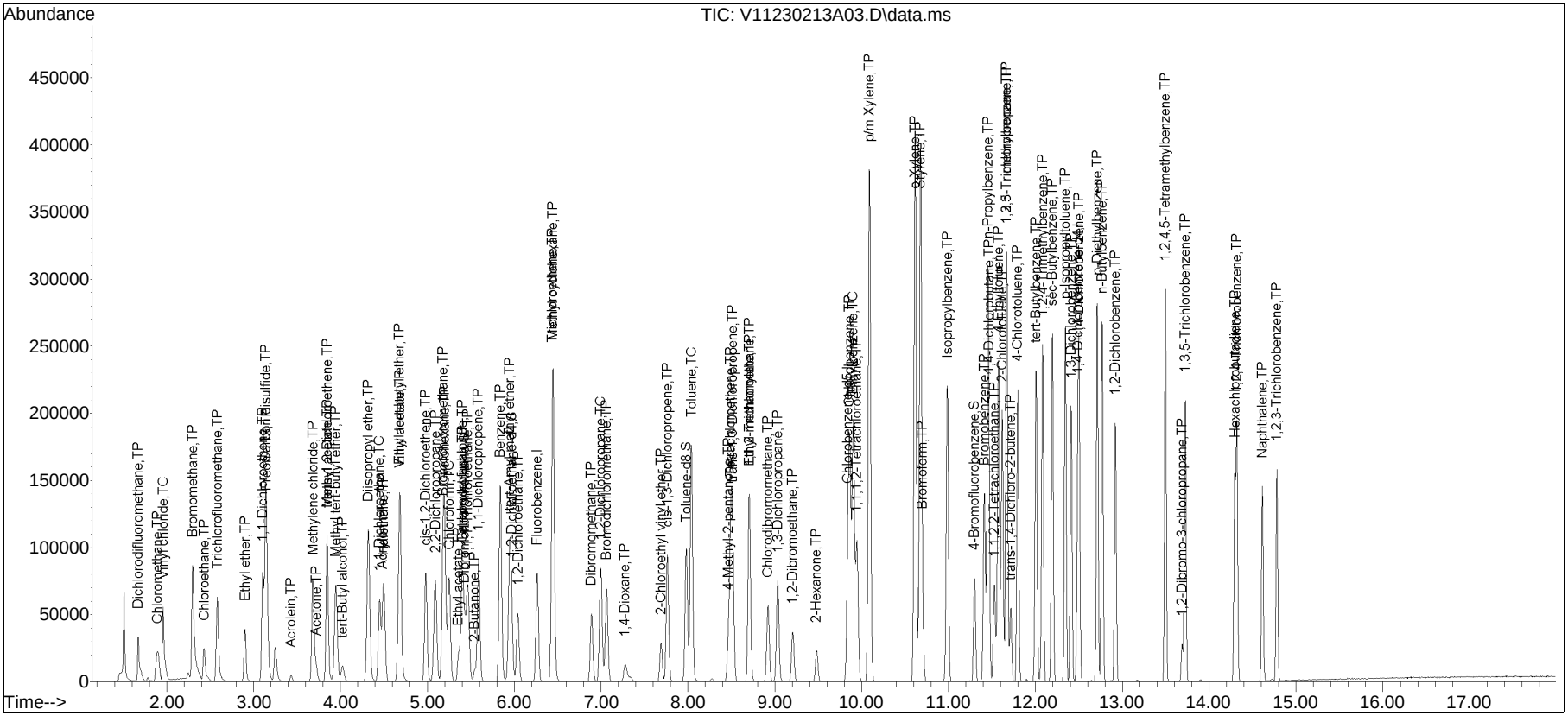
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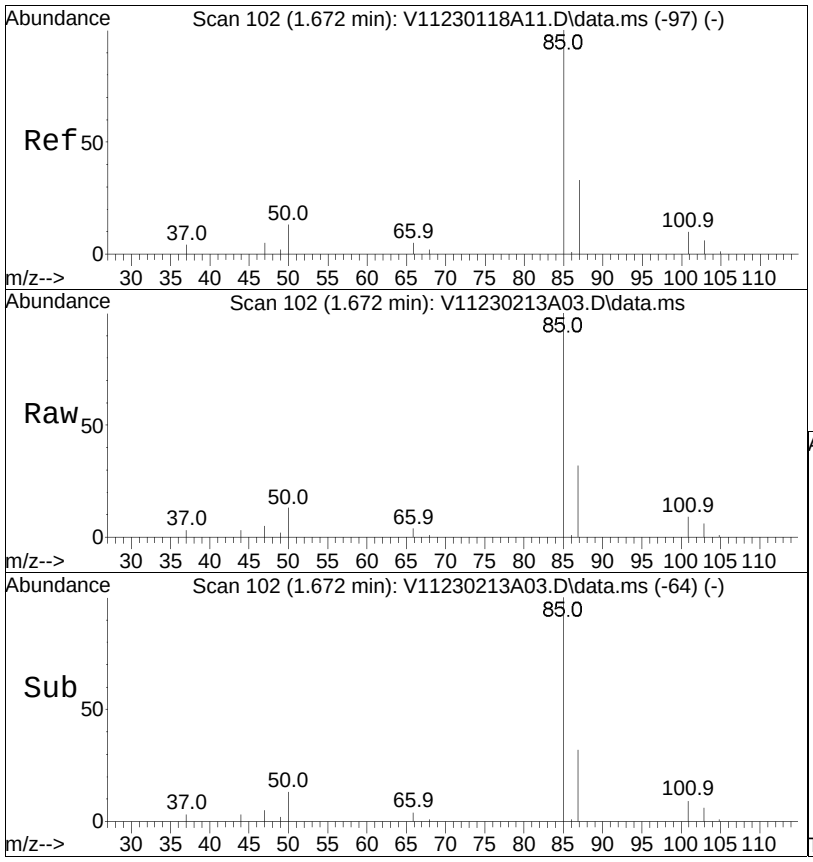
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2023\230213A\
Data File : V11230213A03.D
Acq On : 13 Feb 2023 08:23 am
Operator : VOA111:AJK
Sample : WG1744281-4,31,5,5
Misc : WG1744281,ICAL19665
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 13 09:12:19 2023
Quant Method : I:\VOLATILES\VOA111\2023\230213A\V111_230118_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 11:49:17 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox3A\V11230213A02.D•

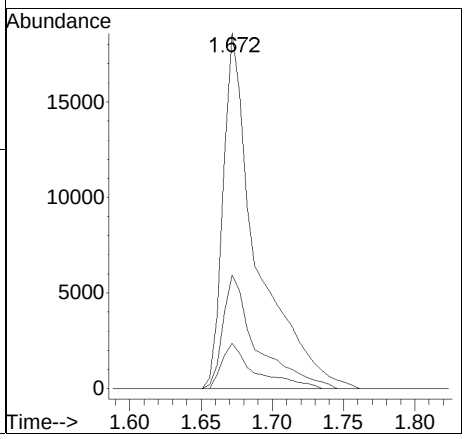


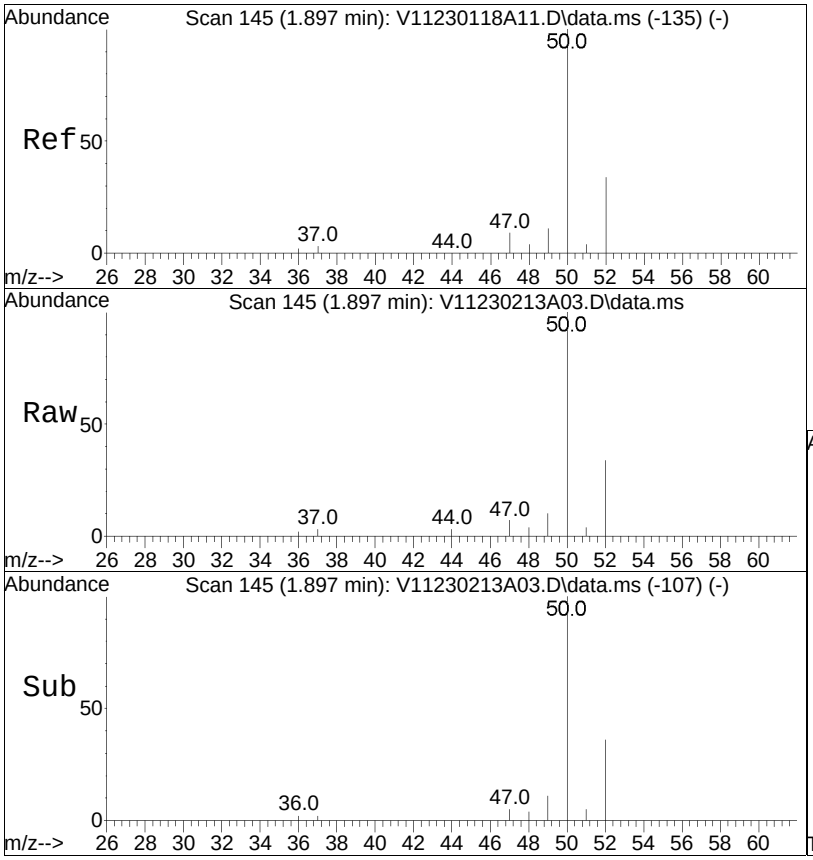


#2
Dichlorodifluoromethane
Concen: 31.52 ug/L
RT: 1.672 min Scan# 102
Delta R.T. -0.000 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 85 Resp: 30537

Ion	Ratio	Lower	Upper
85	100		
87	32.1	20.7	43.1
50	12.6	9.8	20.3

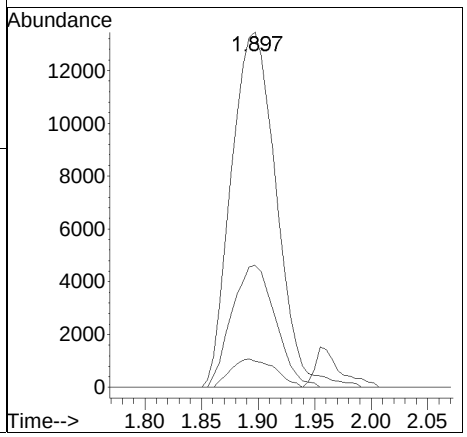


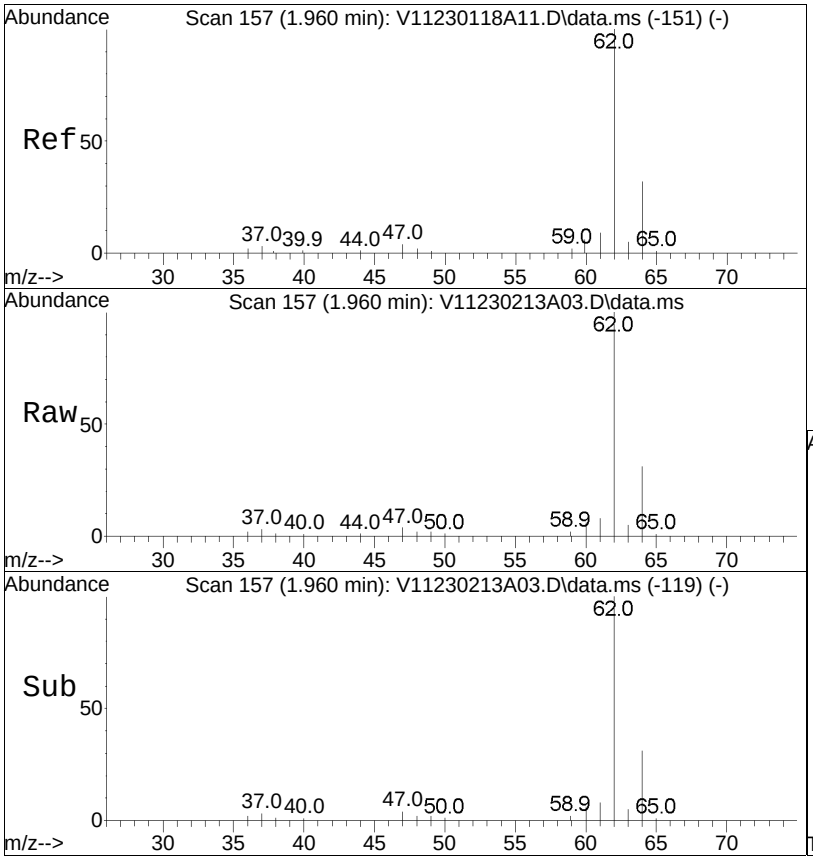


#3
Chloromethane
Concen: 33.01 ug/L
RT: 1.897 min Scan# 145
Delta R.T. 0.000 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 50 Resp: 37360

Ion	Ratio	Lower	Upper
50	100		
52	33.3	10.9	50.9
47	7.9	0.0	27.2

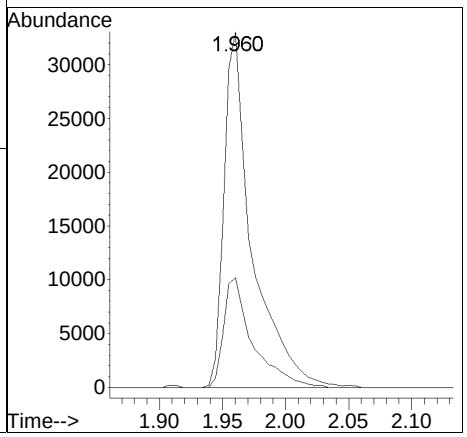


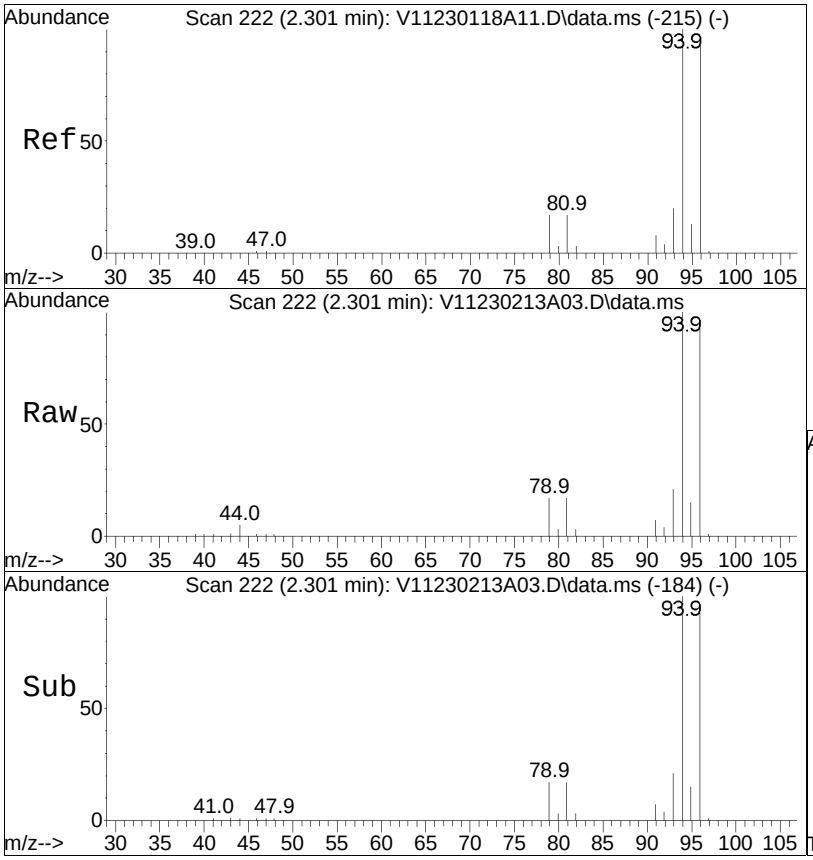


#4
Vinyl chloride
Concen: 36.66 ug/L
RT: 1.960 min Scan# 157
Delta R.T. 0.000 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 62 Resp: 51129

Ion	Ratio	Lower	Upper
62	100		
64	32.0	9.9	49.9

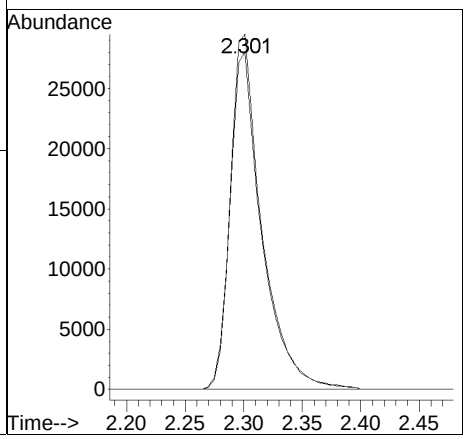


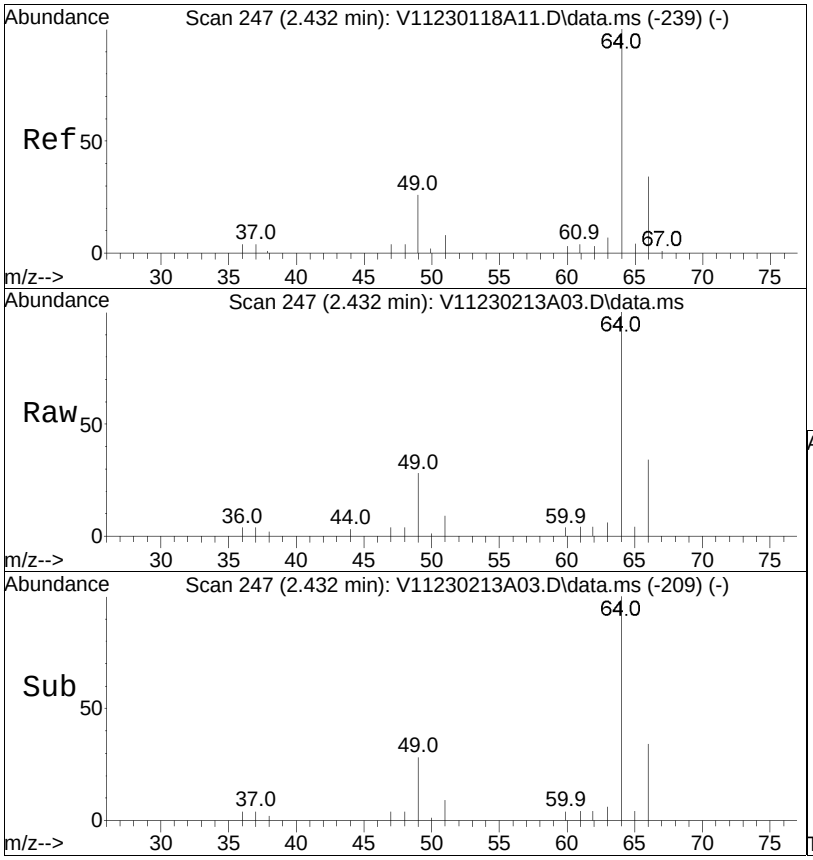


#5
Bromomethane
Concen: 36.27 ug/L
RT: 2.301 min Scan# 222
Delta R.T. -0.000 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 94 Resp: 55558

Ion	Ratio	Lower	Upper
94	100		
96	95.0	72.6	112.6

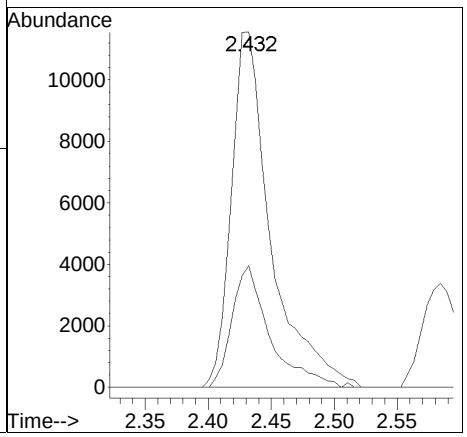


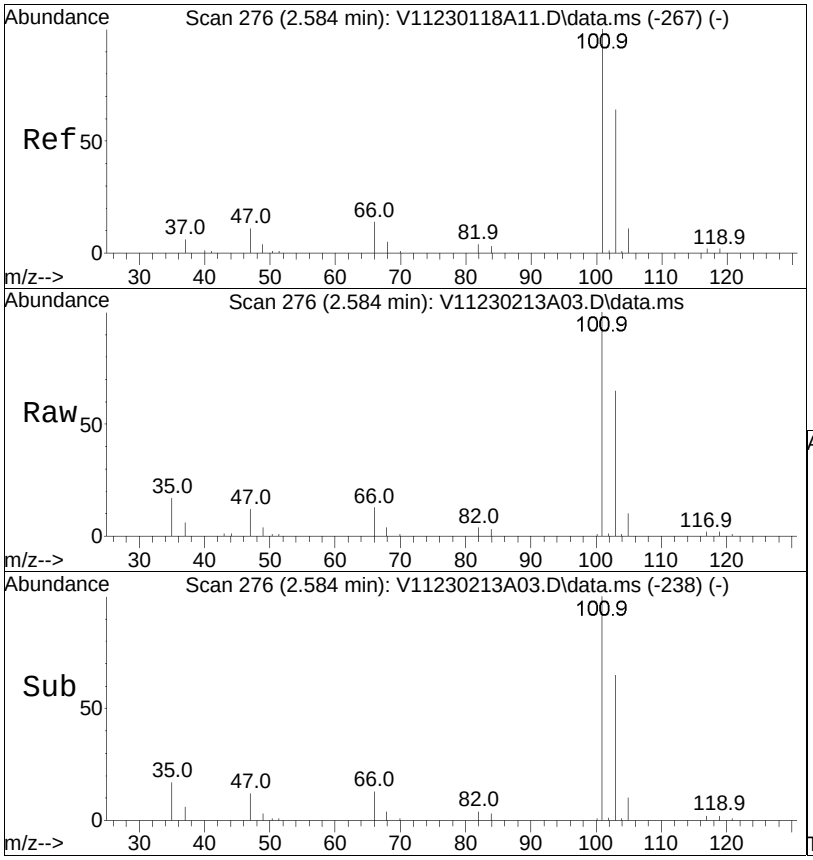


#6
Chloroethane
Concen: 40.64 ug/L
RT: 2.432 min Scan# 247
Delta R.T. 0.000 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 64 Resp: 25220

Ion	Ratio	Lower	Upper
64	100		
66	33.1	10.2	50.2

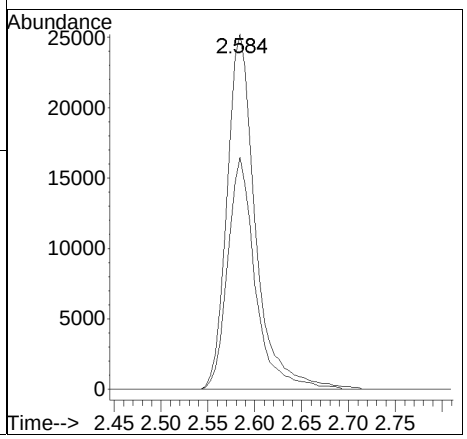


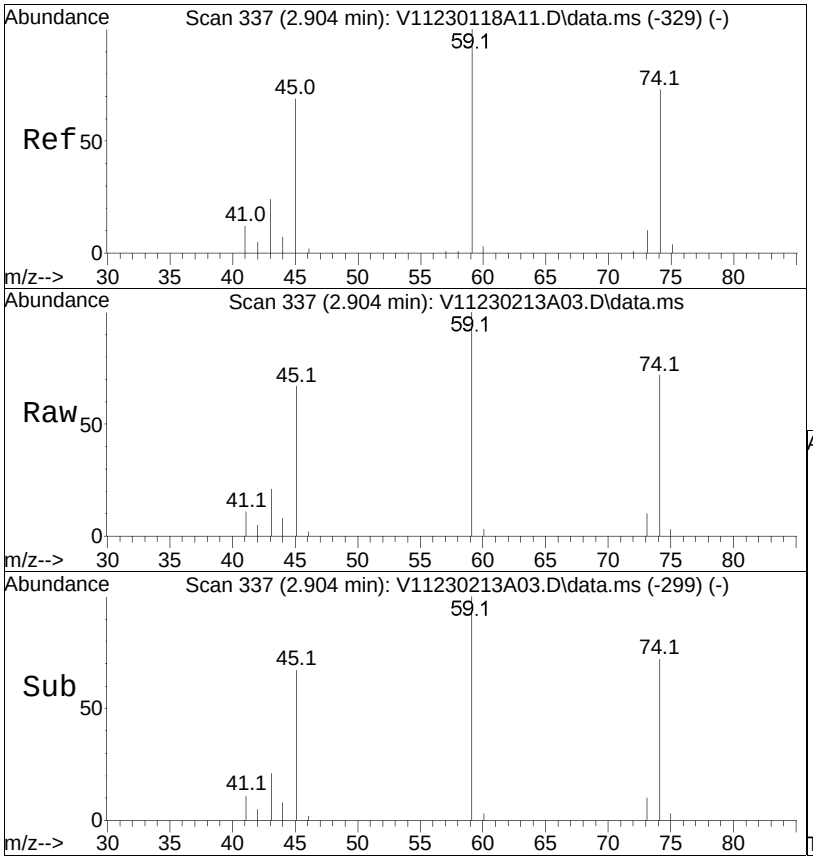


#7
Trichlorofluoromethane
Concen: 41.90 ug/L
RT: 2.584 min Scan# 276
Delta R.T. 0.000 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:101 Resp: 53599

Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.8	77.6

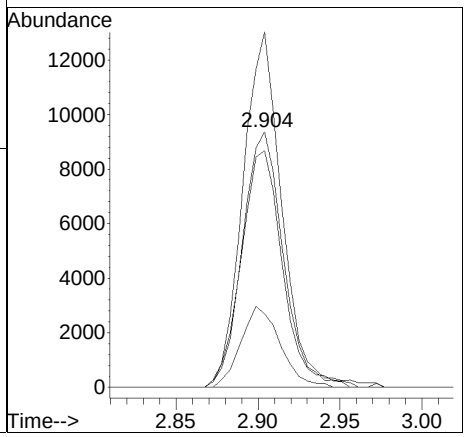


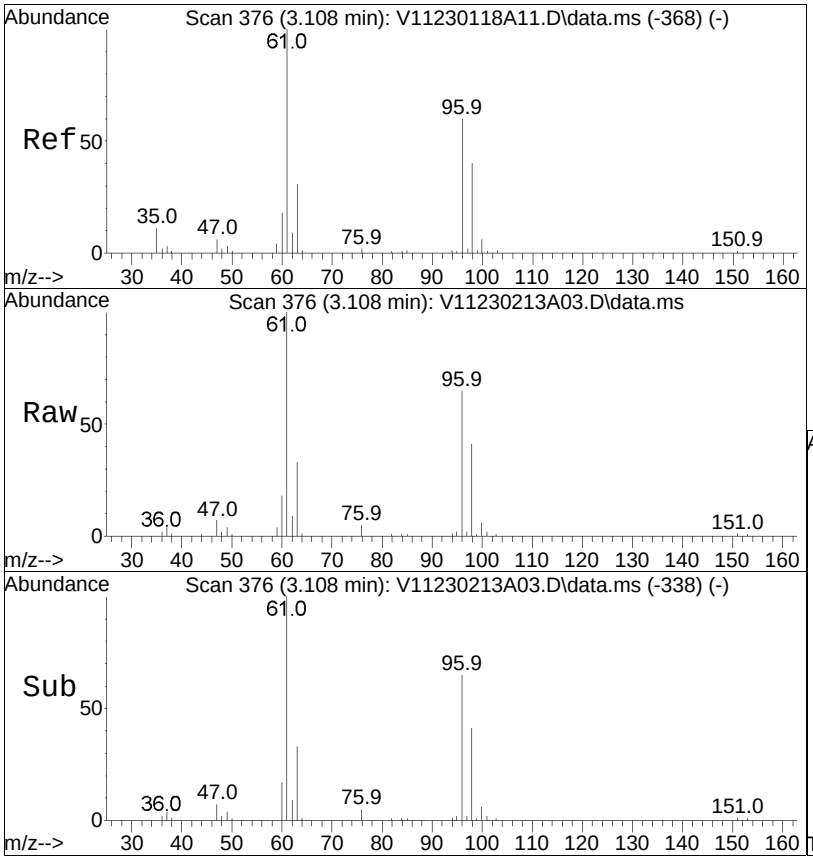


#8
Ethyl ether
Concen: 39.49 ug/L
RT: 2.904 min Scan# 337
Delta R.T. -0.000 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 74 Resp: 16281

Ion	Ratio	Lower	Upper
74	100		
59	133.4	113.5	235.7
45	93.4	100.4	208.4#
43	30.6	27.1	56.3

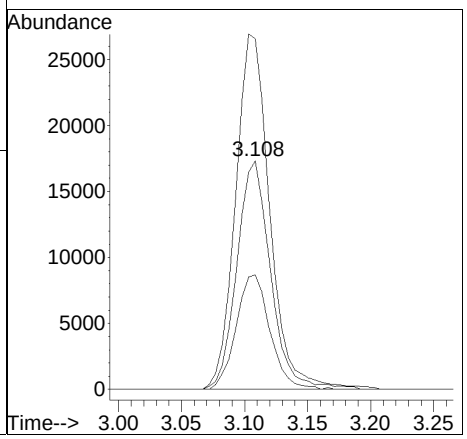


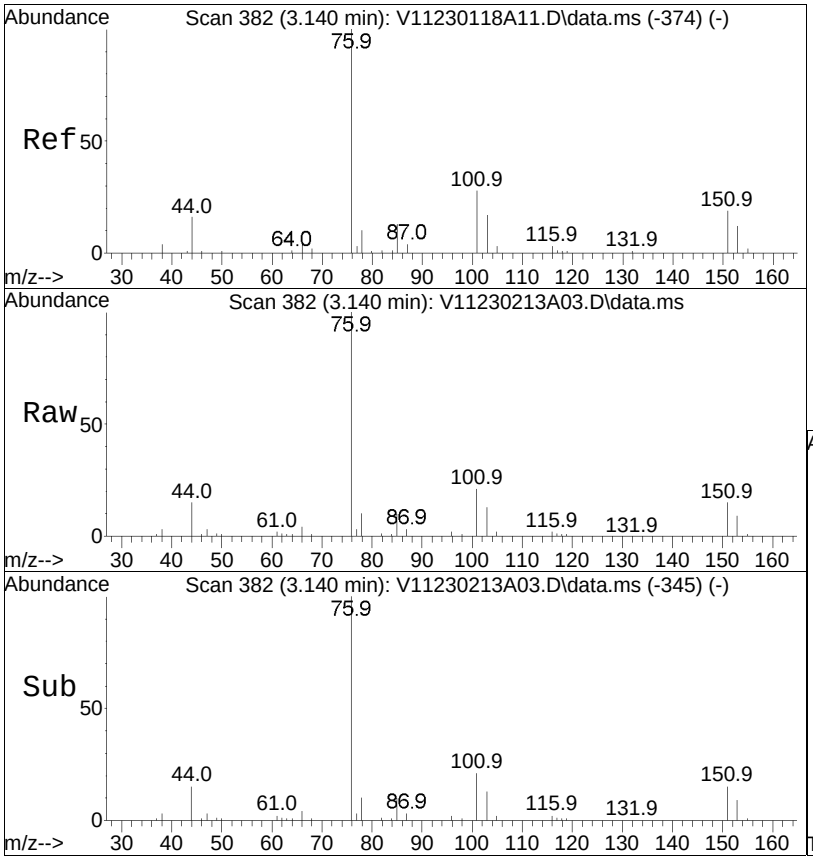


#10
1,1-Dichloroethene
Concen: 39.05 ug/L
RT: 3.108 min Scan# 376
Delta R.T. 0.000 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 96 Resp: 32336

Ion	Ratio	Lower	Upper
96	100		
61	157.5	157.7	236.5#
63	50.2	47.9	71.9

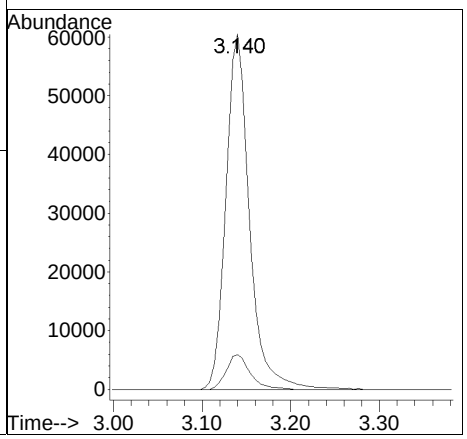


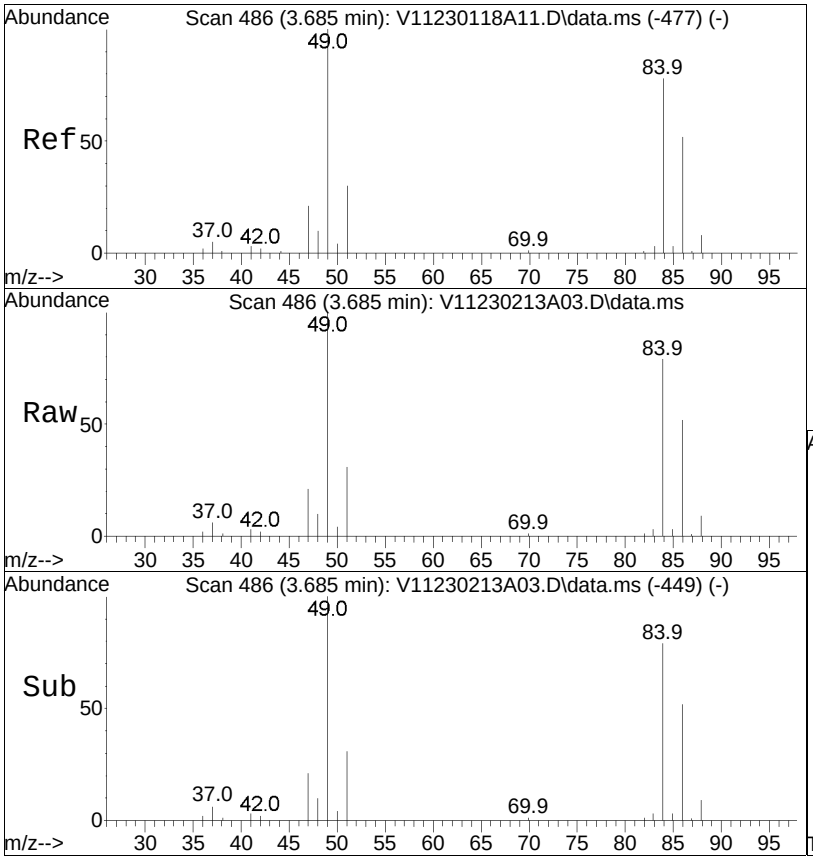


#11
Carbon disulfide
Concen: 60.57 ug/L
RT: 3.140 min Scan# 382
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 76 Resp: 112006

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.4	13.4

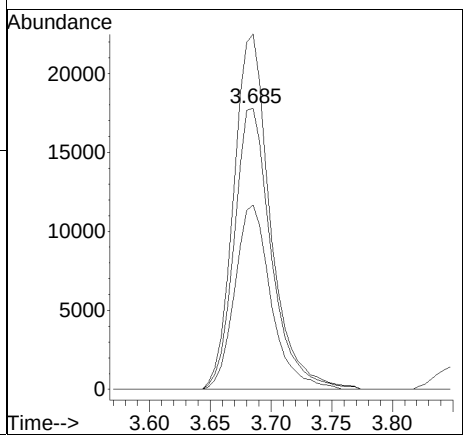


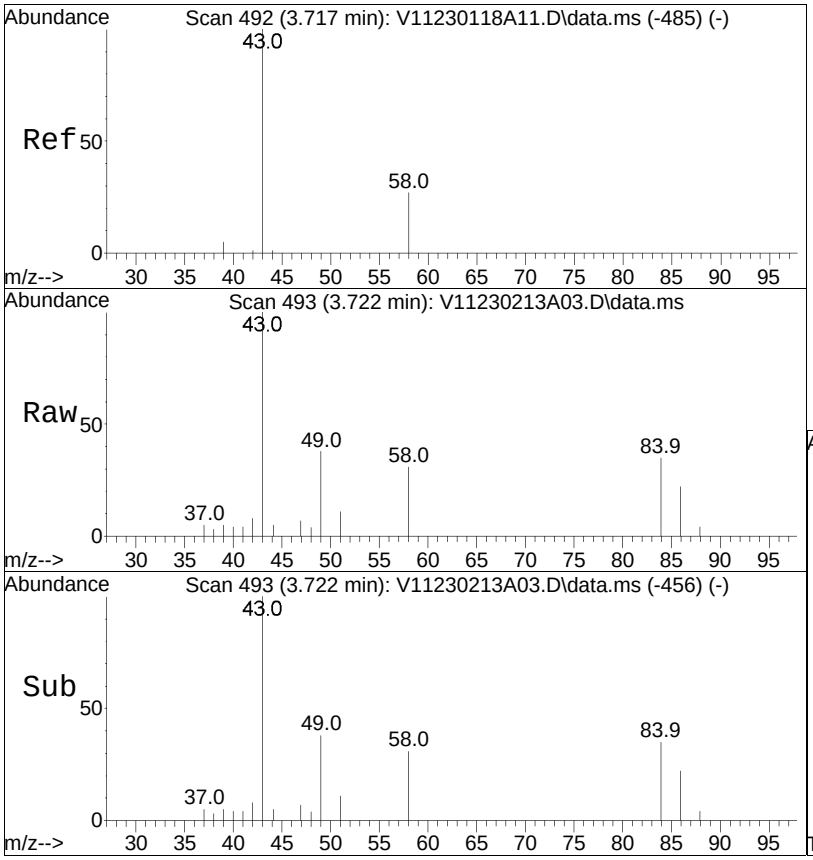


#15
Methylene chloride
Concen: 31.52 ug/L
RT: 3.685 min Scan# 486
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 84 Resp: 37798

Ion	Ratio	Lower	Upper
84	100		
86	64.4	41.1	85.3
49	125.3	124.2	258.0

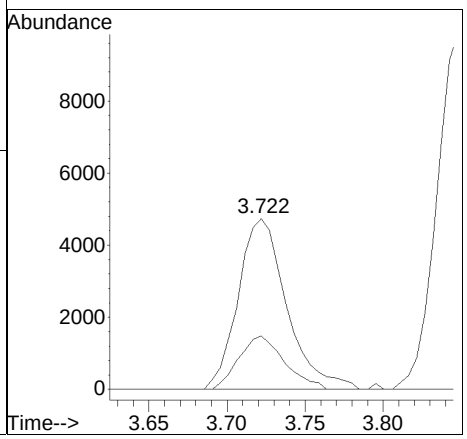


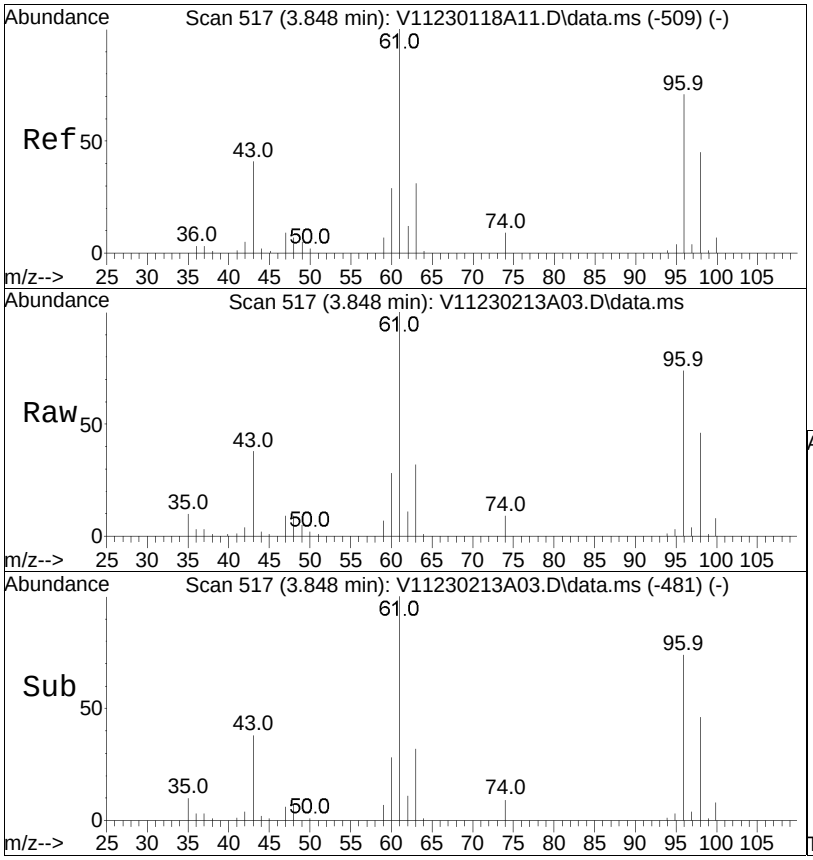


#17
Acetone
Concen: 36.47 ug/L
RT: 3.722 min Scan# 493
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 43 Resp: 10250

Ion	Ratio	Lower	Upper
43	100		
58	29.5	20.8	31.2

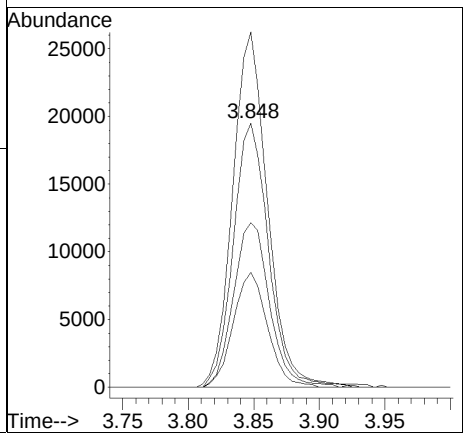


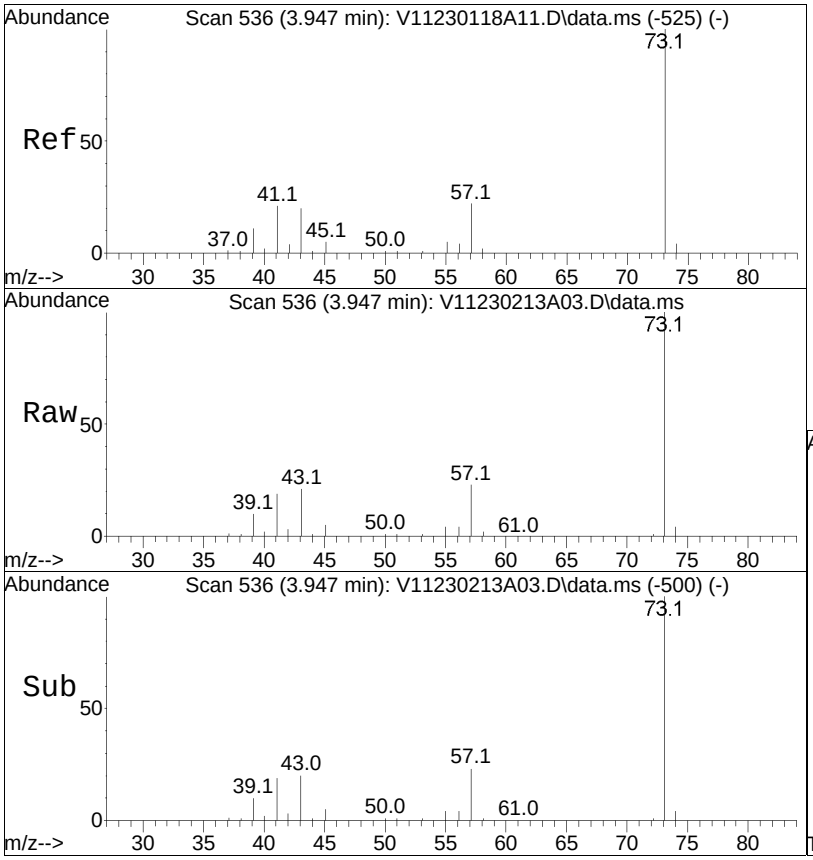


#18
trans-1,2-Dichloroethene
Concen: 37.17 ug/L
RT: 3.848 min Scan# 517
Delta R.T. -0.010 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 96 Resp: 36687

Ion	Ratio	Lower	Upper
96	100		
61	133.4	111.1	230.8
98	63.9	41.8	86.8
63	42.3	33.3	69.1

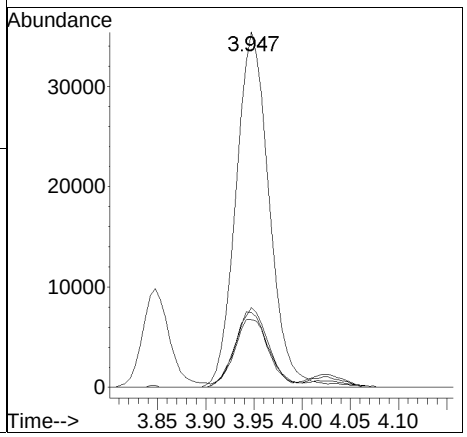


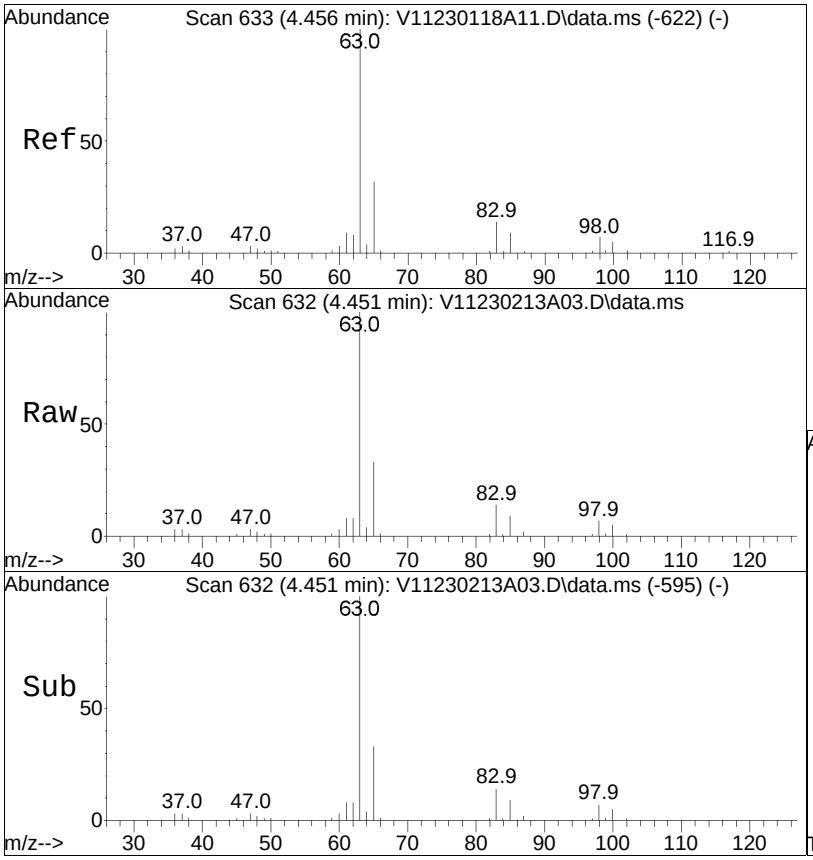


#20
Methyl tert-butyl ether
Concen: 36.63 ug/L
RT: 3.947 min Scan# 536
Delta R.T. -0.011 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 73 Resp: 85238

Ion	Ratio	Lower	Upper
73	100		
57	22.5	19.6	40.6
43	21.5	18.5	38.3
41	19.6	20.3	42.1#

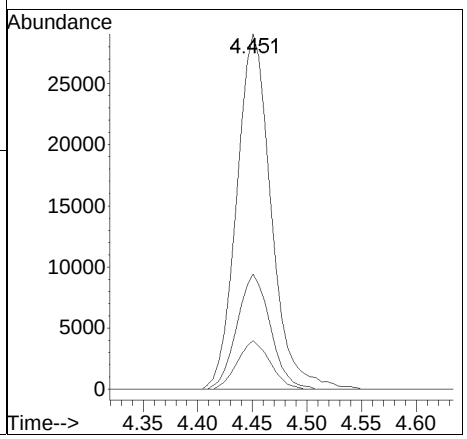


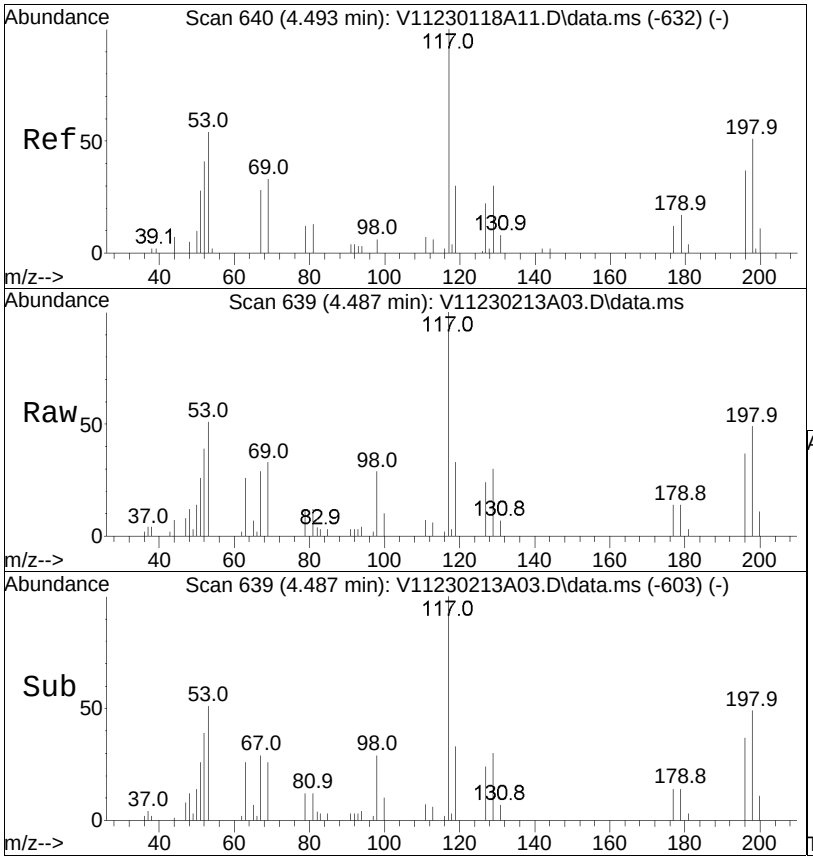


#23
1,1-Dichloroethane
Concen: 35.85 ug/L
RT: 4.451 min Scan# 632
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 63 Resp: 63984

Ion	Ratio	Lower	Upper
63	100		
65	31.5	9.0	49.0
83	13.0	0.0	31.4

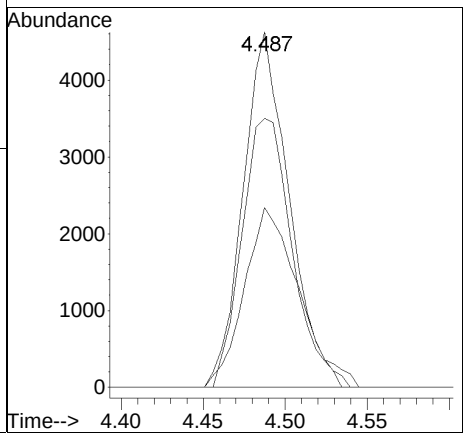


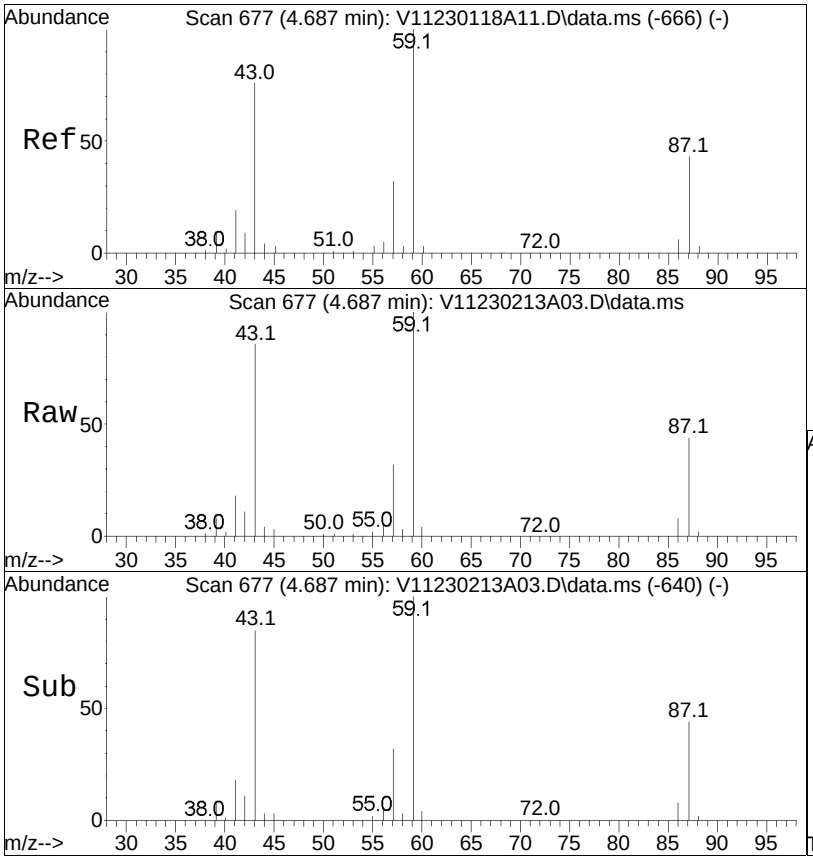


#25
Acrylonitrile
Concen: 38.84 ug/L
RT: 4.487 min Scan# 639
Delta R.T. -0.011 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 53 Resp: 9188

Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.9	100.3
51	57.3	42.6	63.8

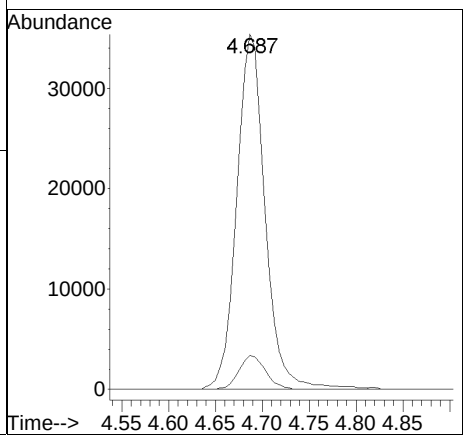


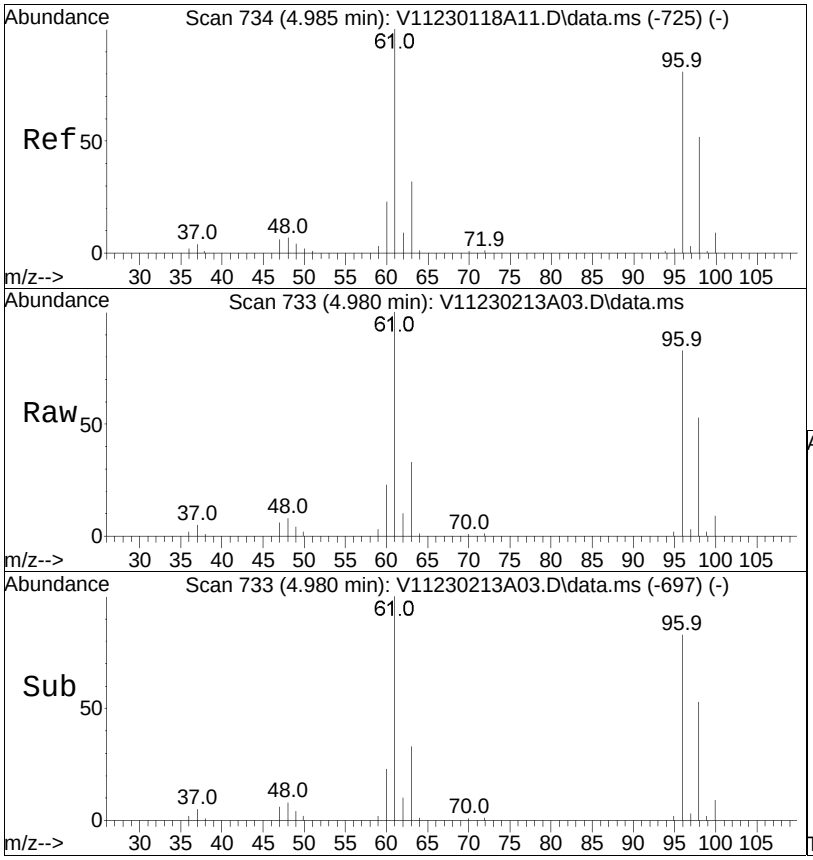


#27
Vinyl acetate
Concen: 38.25 ug/L
RT: 4.687 min Scan# 677
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 43 Resp: 74761

Ion	Ratio	Lower	Upper
43	100		
86	8.9	4.6	6.8#

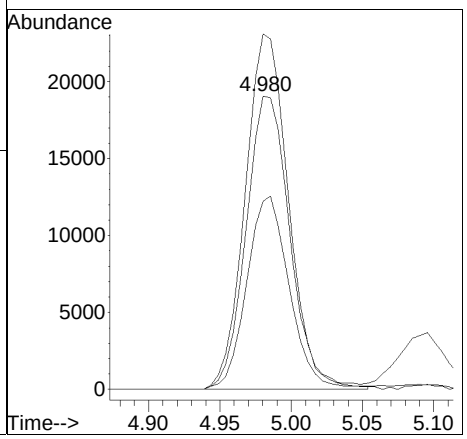


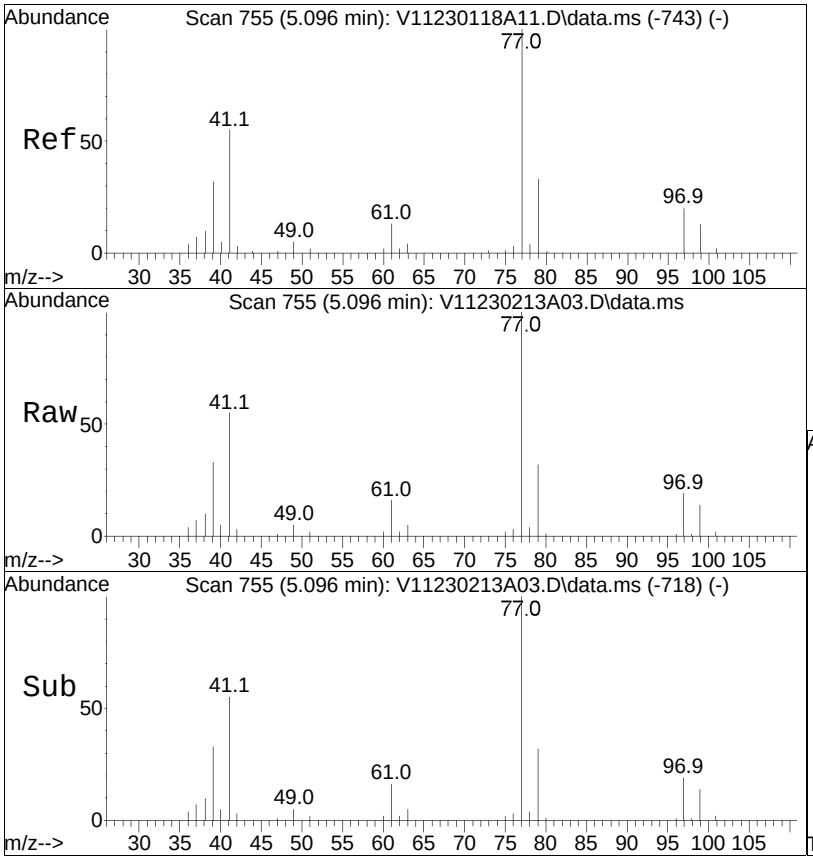


#28
cis-1,2-Dichloroethene
Concen: 36.42 ug/L
RT: 4.980 min Scan# 733
Delta R.T. -0.011 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 96 Resp: 40718

Ion	Ratio	Lower	Upper
96	100		
61	120.4	126.3	189.5#
98	64.3	51.0	76.6

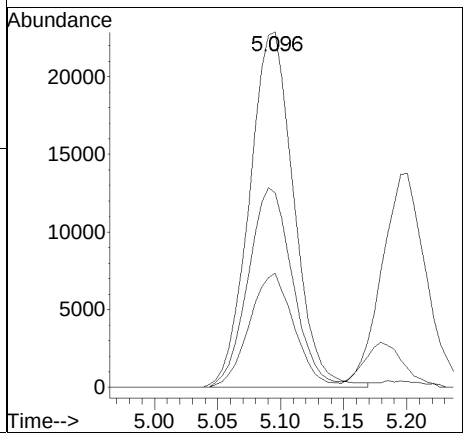


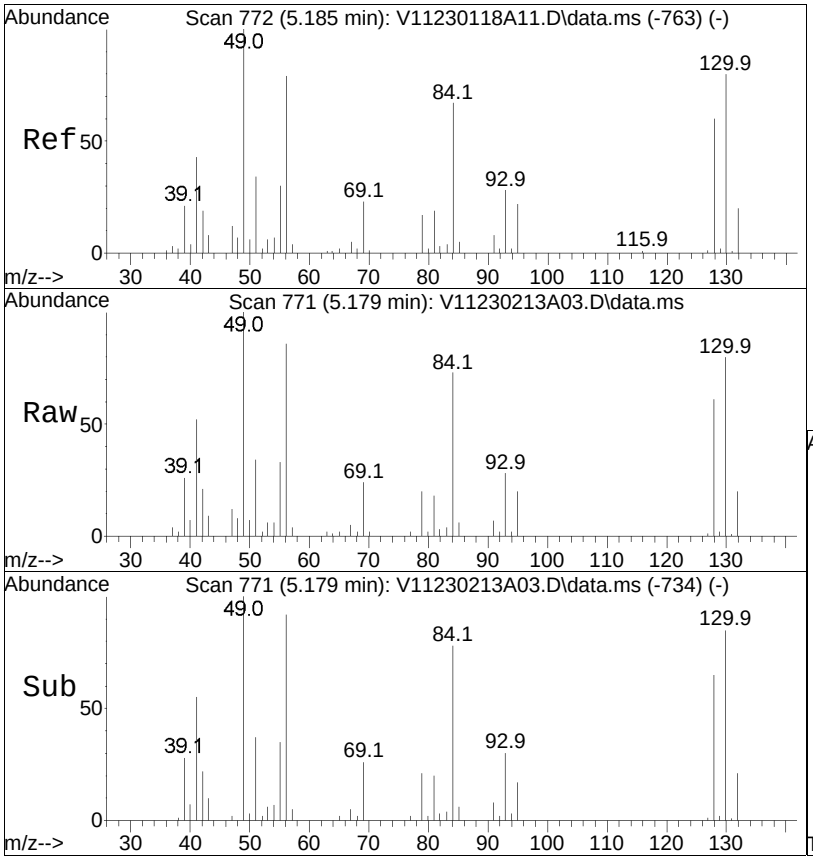


#29
2,2-Dichloropropane
Concen: 38.37 ug/L
RT: 5.096 min Scan# 755
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 77 Resp: 56049

Ion	Ratio	Lower	Upper
77	100		
41	56.3	45.5	94.5
79	32.4	20.9	43.3

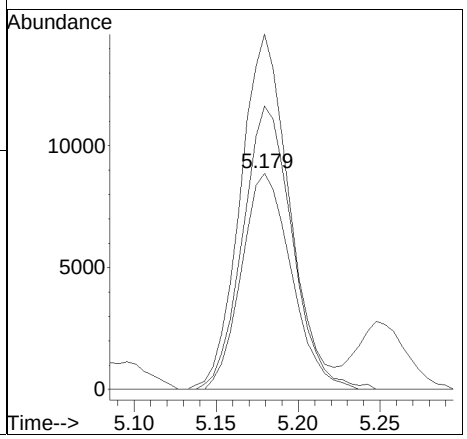


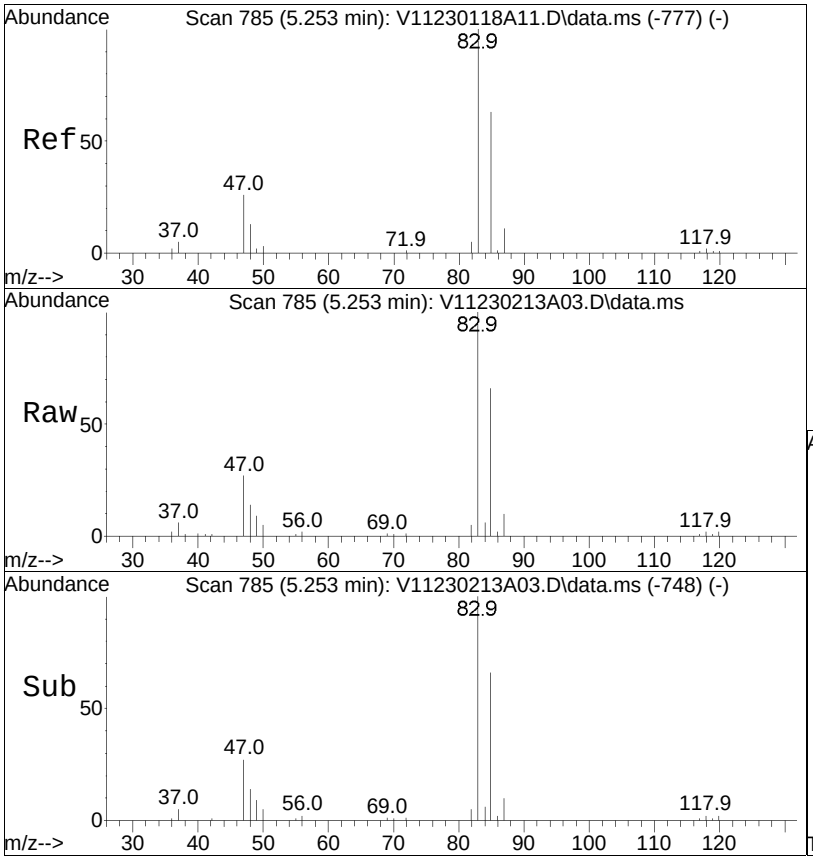


#30
Bromochloromethane
Concen: 36.23 ug/L
RT: 5.179 min Scan# 771
Delta R.T. -0.006 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:128 Resp: 18820

Ion	Ratio	Lower	Upper
128	100		
49	161.2	201.3	301.9#
130	130.4	106.2	159.2

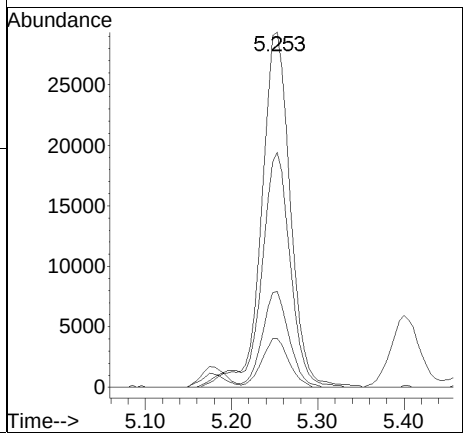


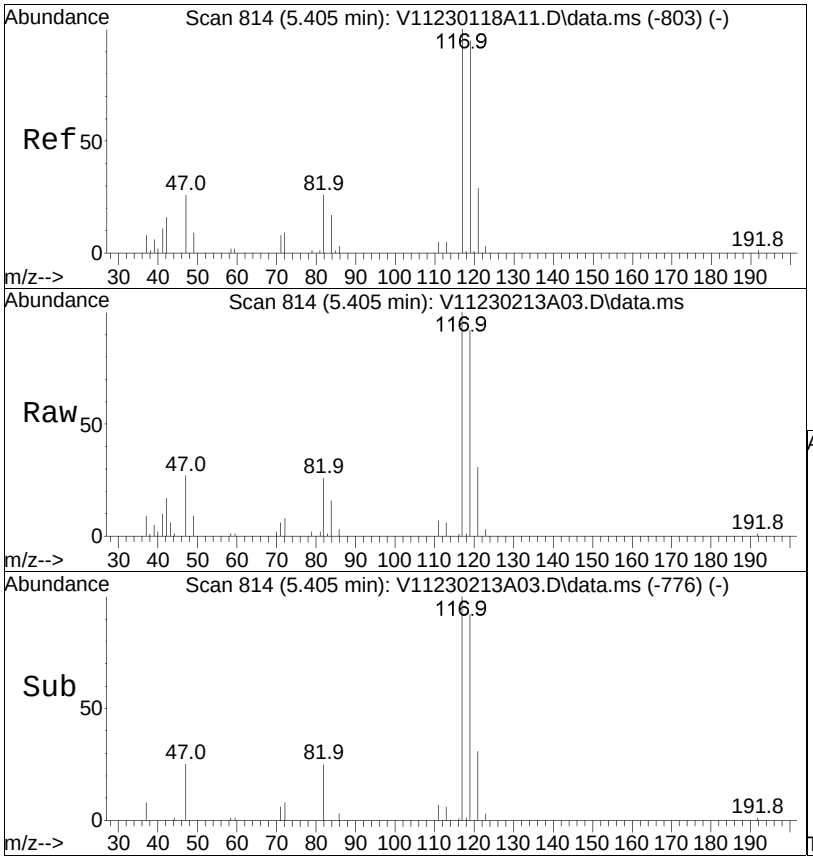


#32
Chloroform
Concen: 36.29 ug/L
RT: 5.253 min Scan# 785
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 83 Resp: 68270

Ion	Ratio	Lower	Upper
83	100		
85	63.1	41.9	87.1
47	25.0	20.9	43.3
48	12.9	9.9	20.5

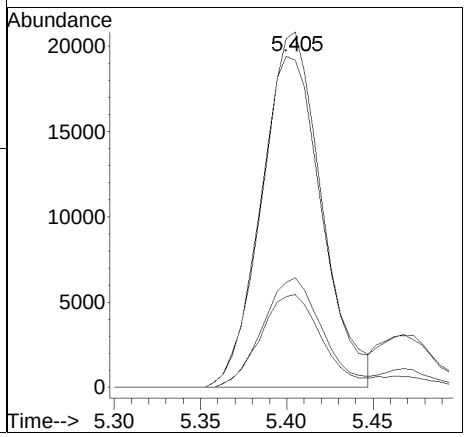


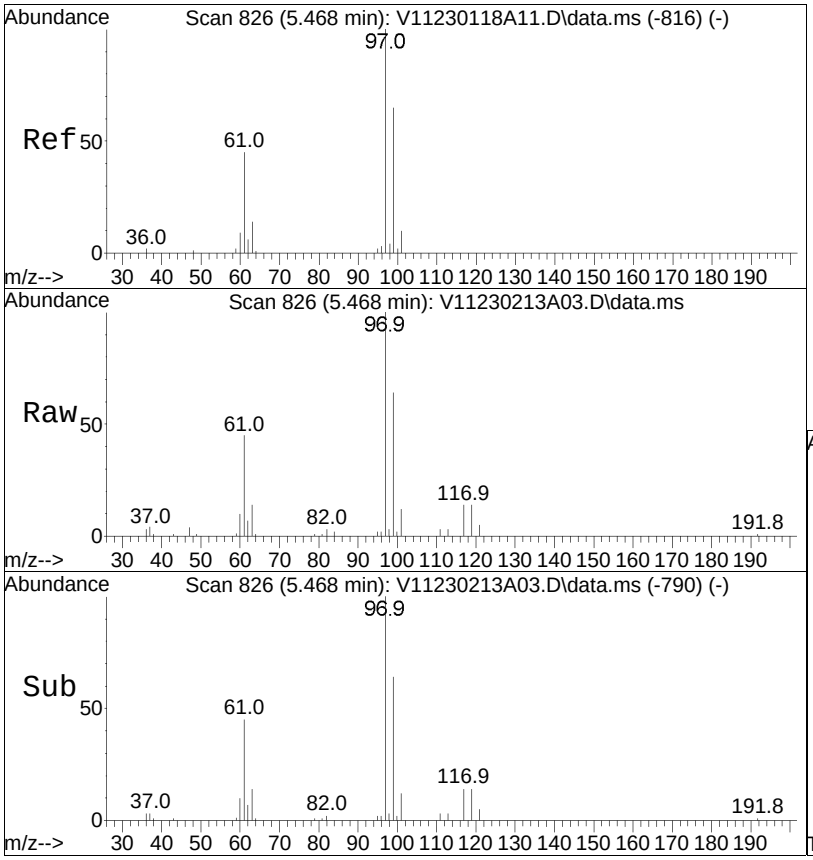


#34
Carbon tetrachloride
Concen: 39.00 ug/L
RT: 5.405 min Scan# 814
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:117 Resp: 50162

Ion	Ratio	Lower	Upper
117	100		
119	95.5	64.0	132.8
121	30.7	20.7	42.9
82	26.8	16.3	33.8

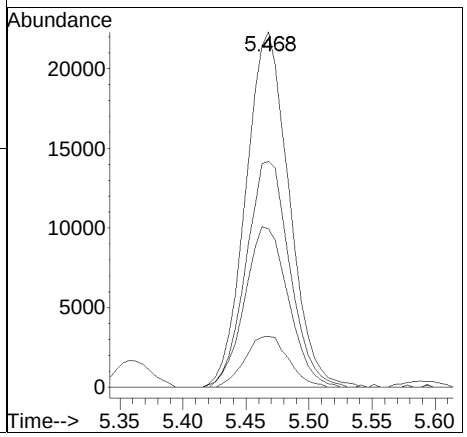


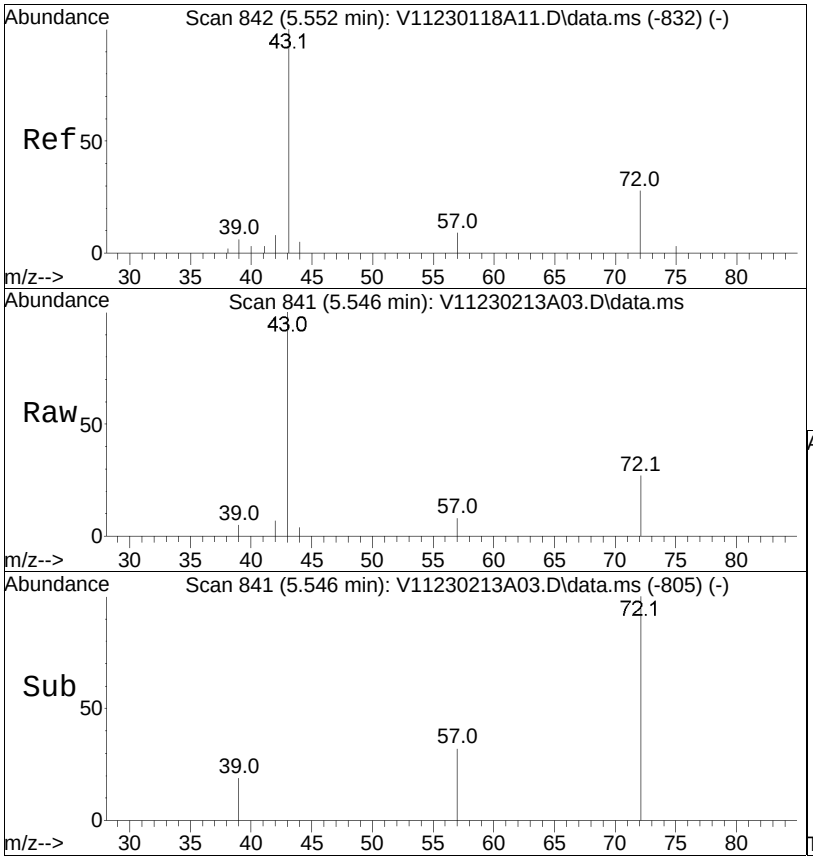


#37
1,1,1-Trichloroethane
Concen: 38.12 ug/L
RT: 5.468 min Scan# 826
Delta R.T. -0.010 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 97 Resp: 53393

Ion	Ratio	Lower	Upper
97	100		
99	64.1	41.5	86.1
61	45.8	32.2	67.0
63	14.5	10.1	20.9

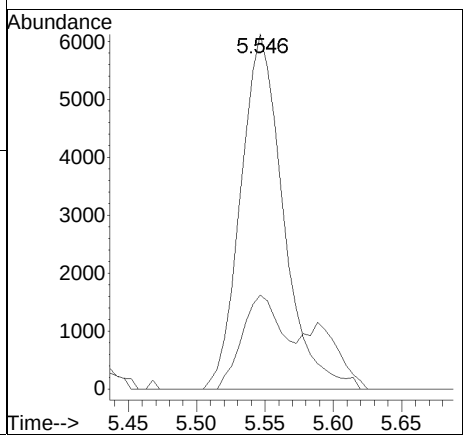


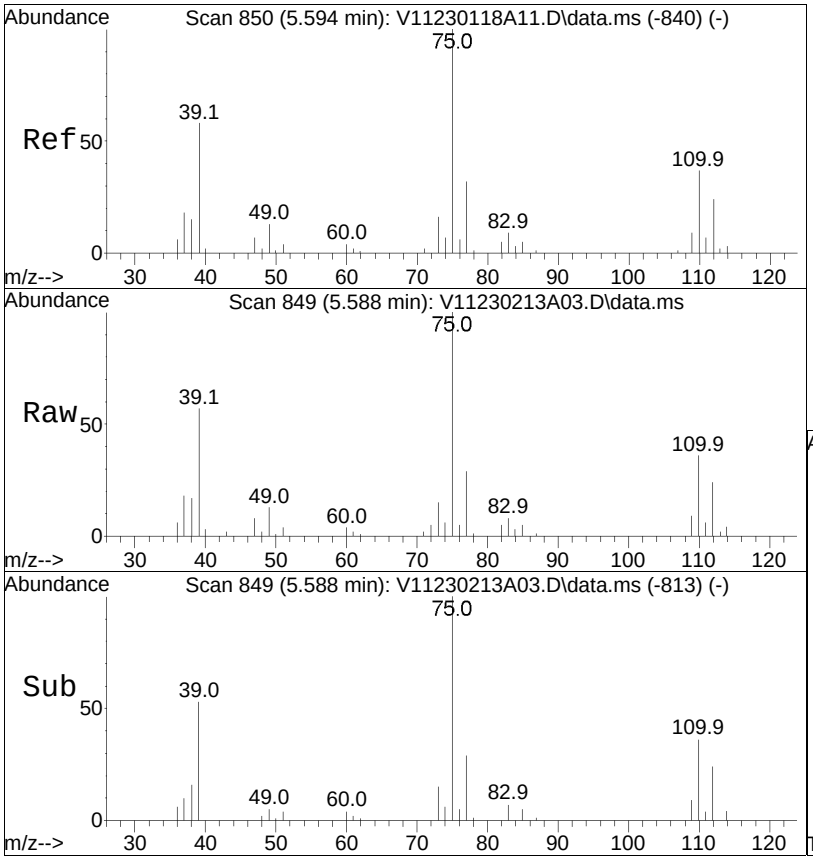


#39
2-Butanone
Concen: 36.49 ug/L
RT: 5.546 min Scan# 841
Delta R.T. -0.011 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 43 Resp: 13320

Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.0	31.6

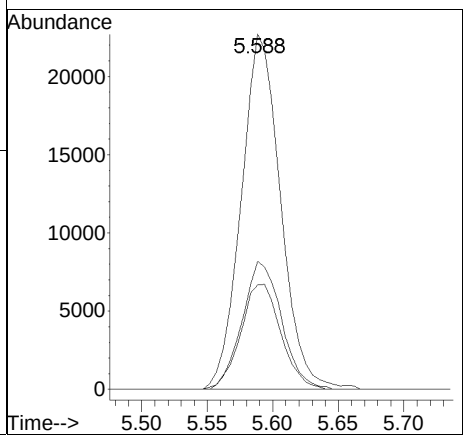


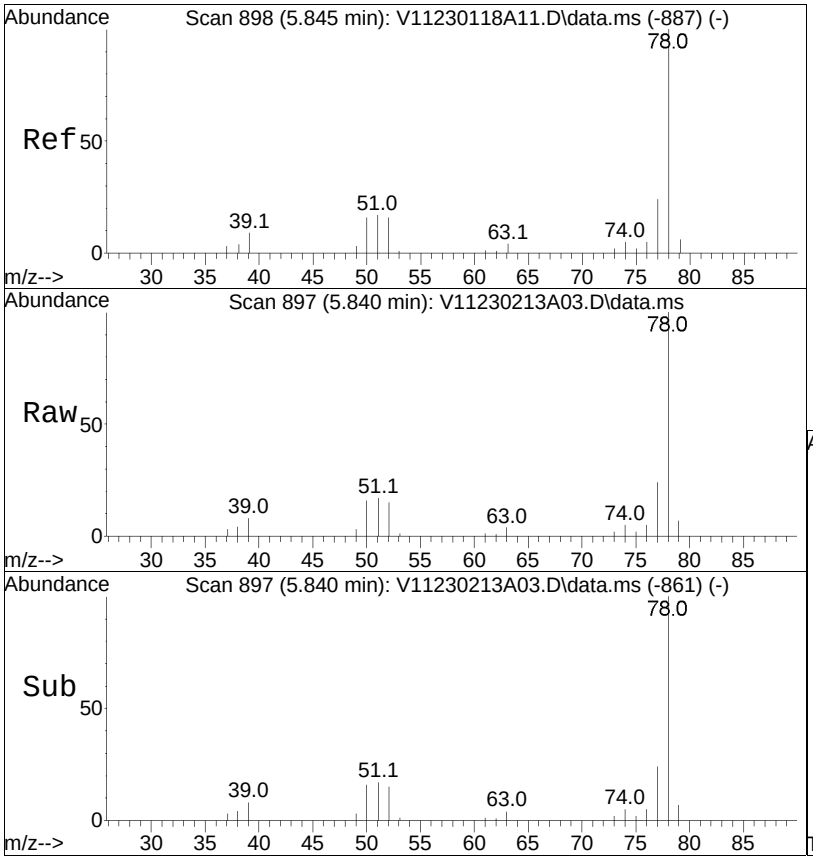


#40
1,1-Dichloropropene
Concen: 39.11 ug/L
RT: 5.588 min Scan# 849
Delta R.T. -0.011 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 75 Resp: 47480

Ion	Ratio	Lower	Upper
75	100		
110	36.1	23.6	49.0
77	30.2	20.2	41.9

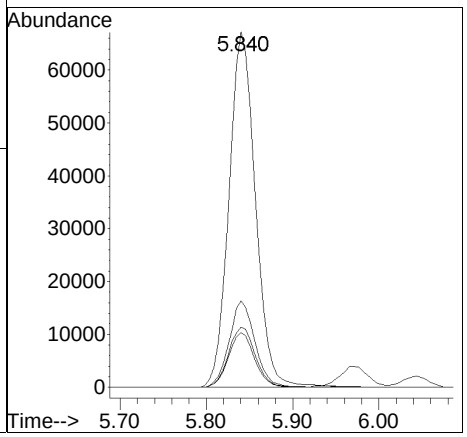


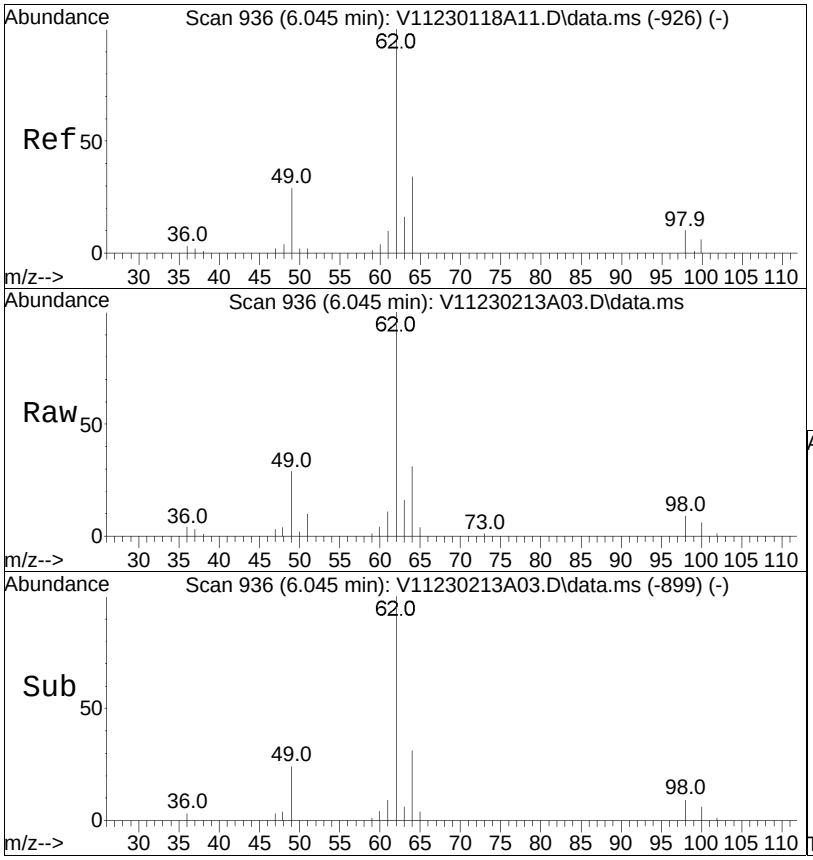


#41
Benzene
Concen: 36.73 ug/L
RT: 5.840 min Scan# 897
Delta R.T. -0.010 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 78 Resp: 143793

Ion	Ratio	Lower	Upper
78	100		
77	23.7	15.1	31.3
51	17.1	15.8	32.8
52	15.2	15.6	32.4#

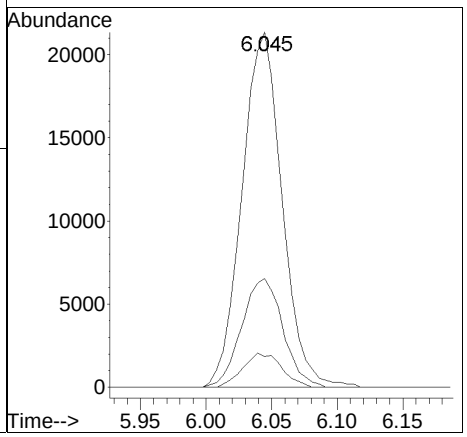


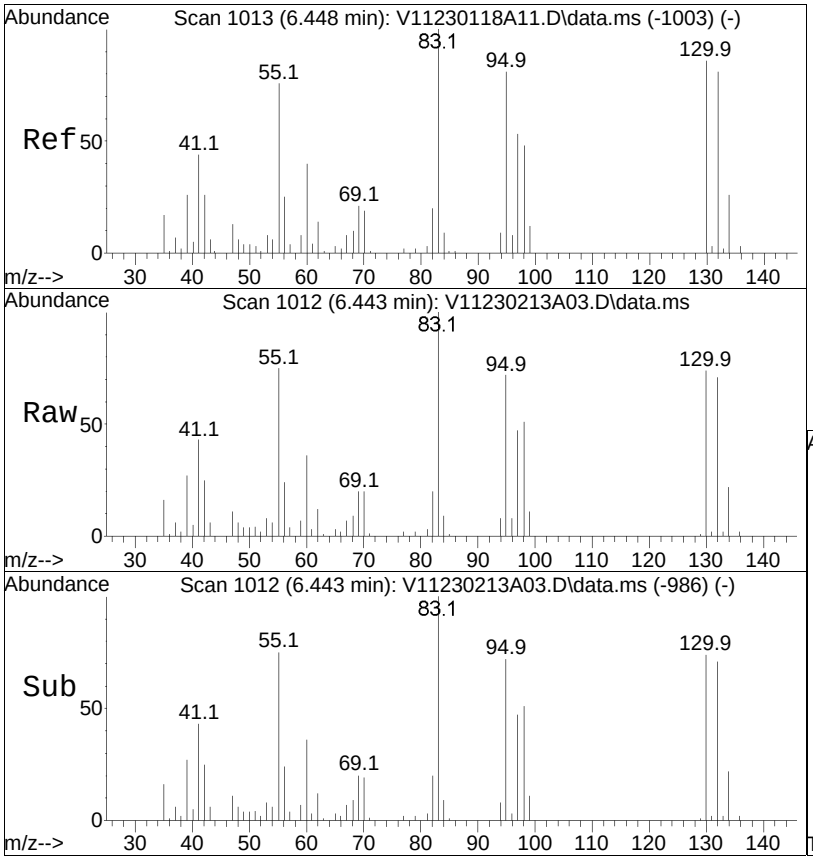


#44
1,2-Dichloroethane
Concen: 34.28 ug/L
RT: 6.045 min Scan# 936
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 62 Resp: 45482

Ion	Ratio	Lower	Upper
62	100		
64	31.5	11.1	51.1
98	9.4	0.0	28.0

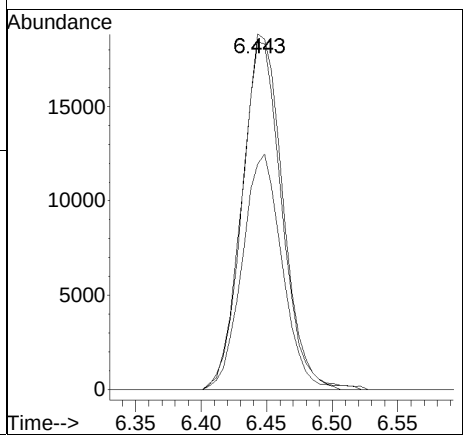


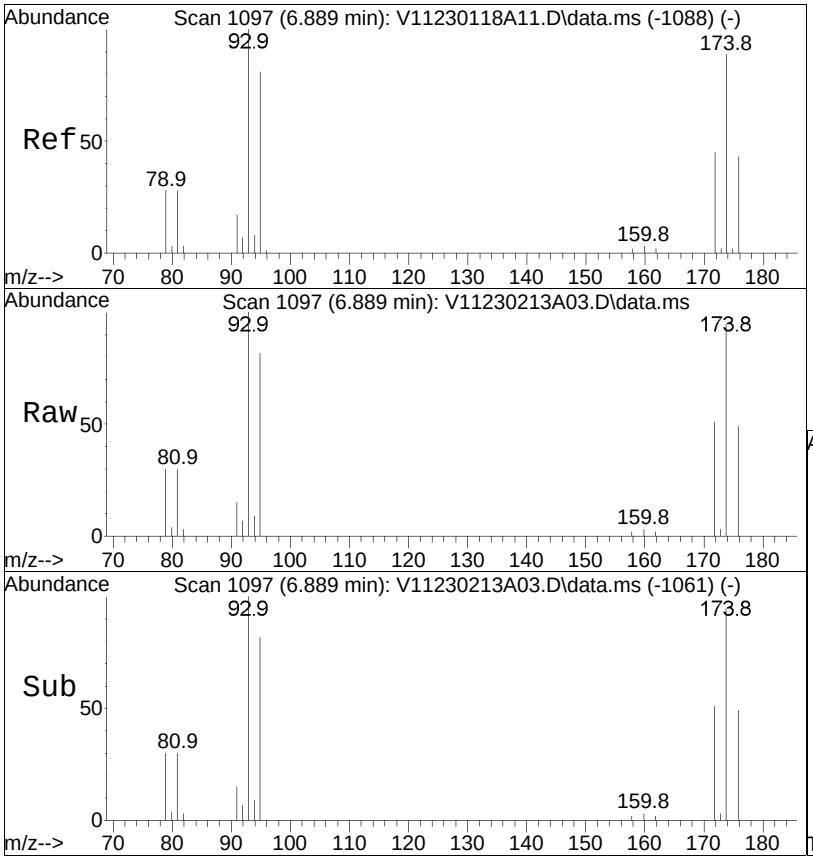


#48
Trichloroethene
Concen: 38.92 ug/L
RT: 6.443 min Scan# 1012
Delta R.T. -0.016 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 95 Resp: 39067

Ion	Ratio	Lower	Upper
95	100		
97	67.4	54.3	81.5
130	103.7	84.6	126.8

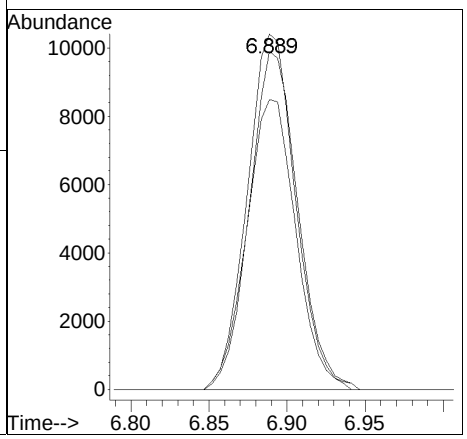


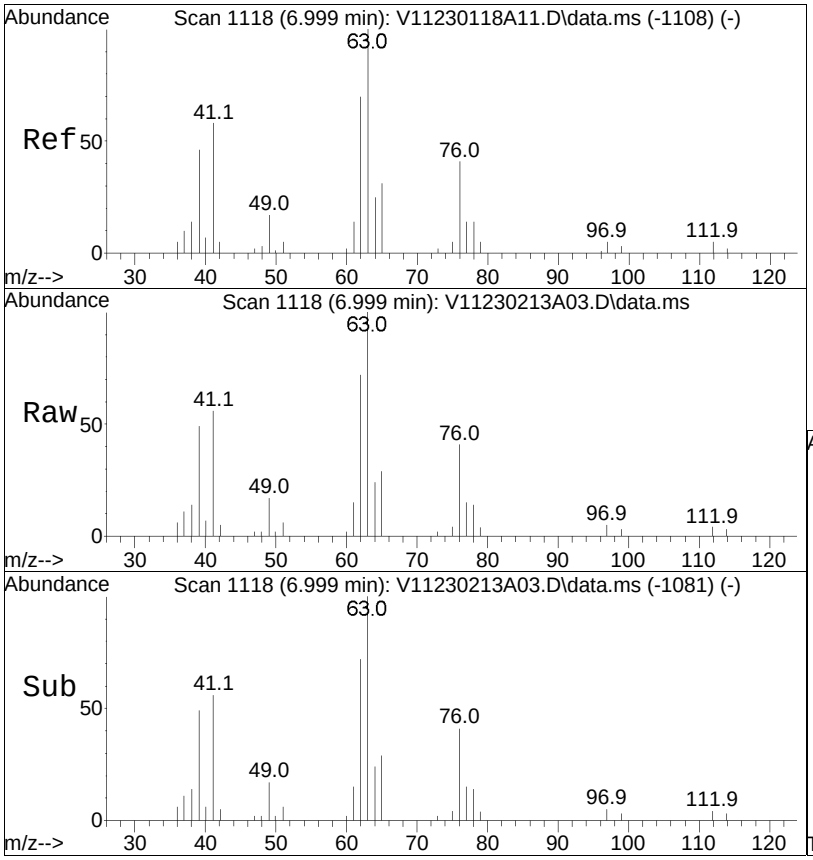


#50
Dibromomethane
Concen: 35.99 ug/L
RT: 6.889 min Scan# 1097
Delta R.T. -0.010 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 93 Resp: 22482

Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.7	98.5
174	94.6	80.2	120.4

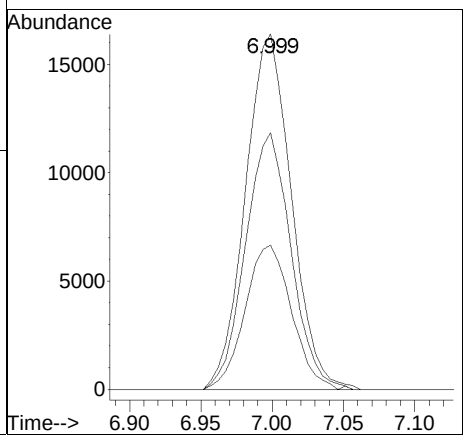


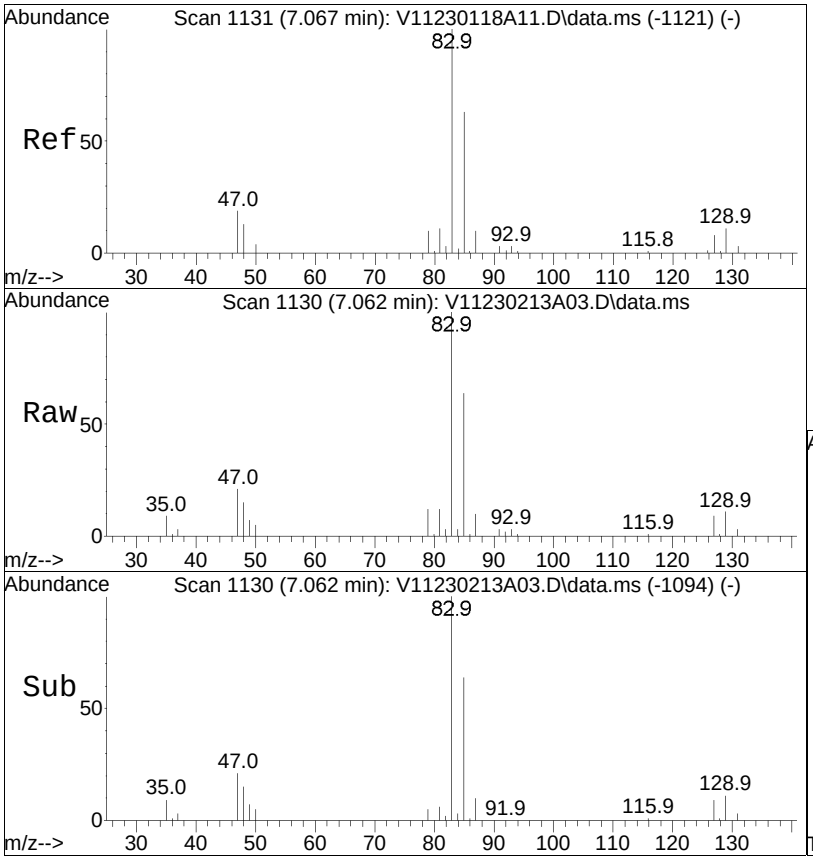


#51
1,2-Dichloropropane
Concen: 35.89 ug/L
RT: 6.999 min Scan# 1118
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 63 Resp: 36837

Ion	Ratio	Lower	Upper
63	100		
62	71.6	57.9	86.9
76	41.1	30.1	45.1

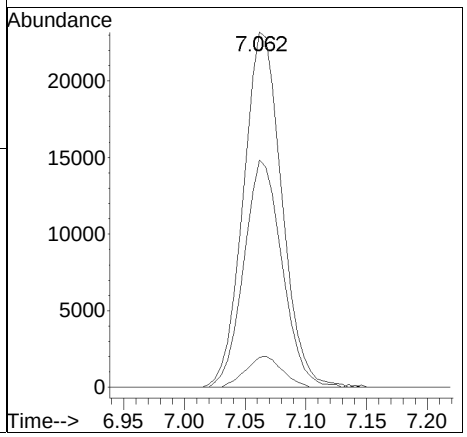


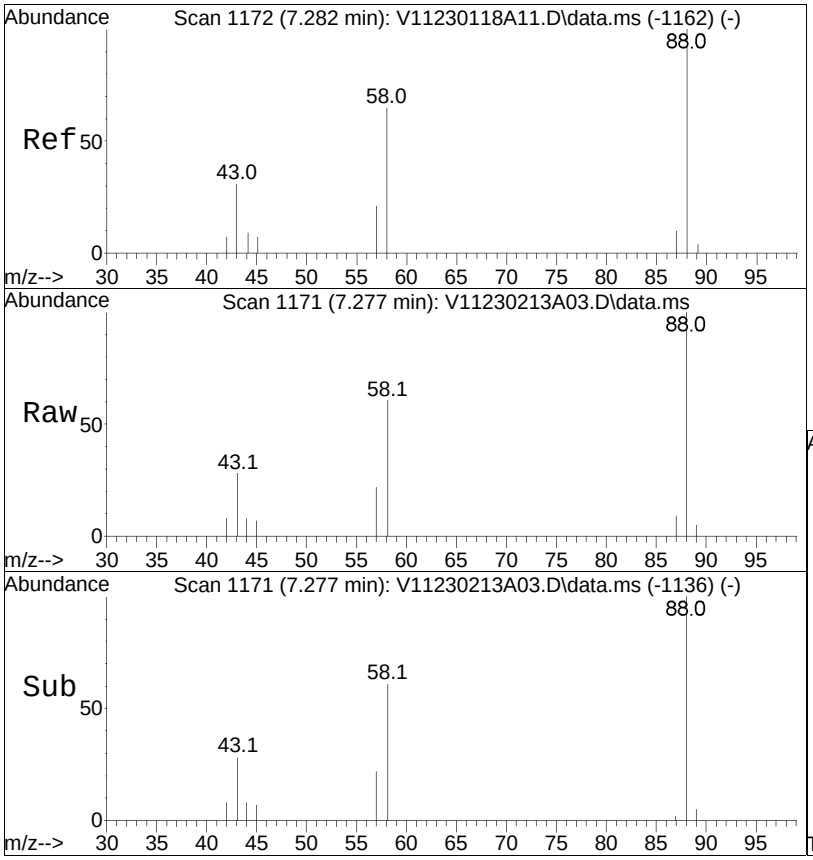


#54
Bromodichloromethane
Concen: 35.69 ug/L
RT: 7.062 min Scan# 1130
Delta R.T. -0.010 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 83 Resp: 51229

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.6	77.4
127	8.4	7.1	10.7

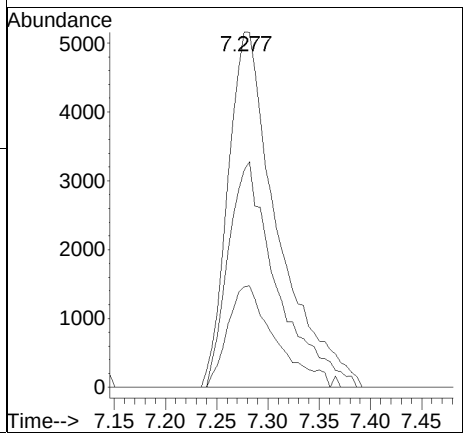


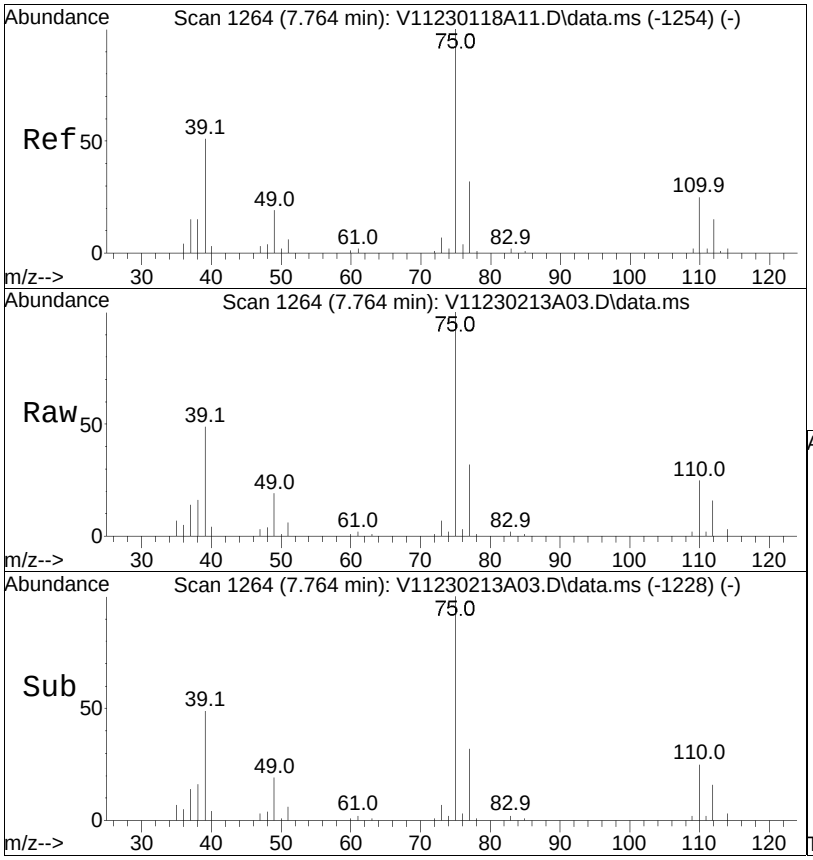


#57
1,4-Dioxane
Concen: 2125.54 ug/L
RT: 7.277 min Scan# 1171
Delta R.T. -0.015 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 88 Resp: 17418

Ion	Ratio	Lower	Upper
88	100		
58	62.6	75.4	113.0#
43	27.8	33.5	50.3#

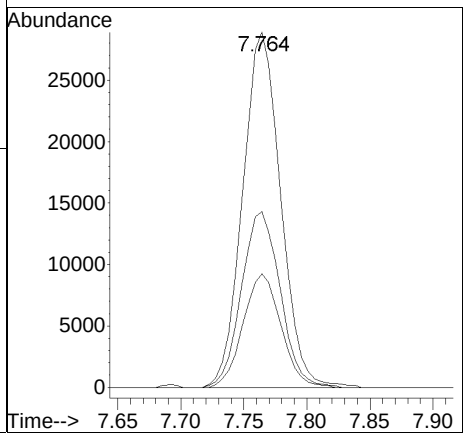


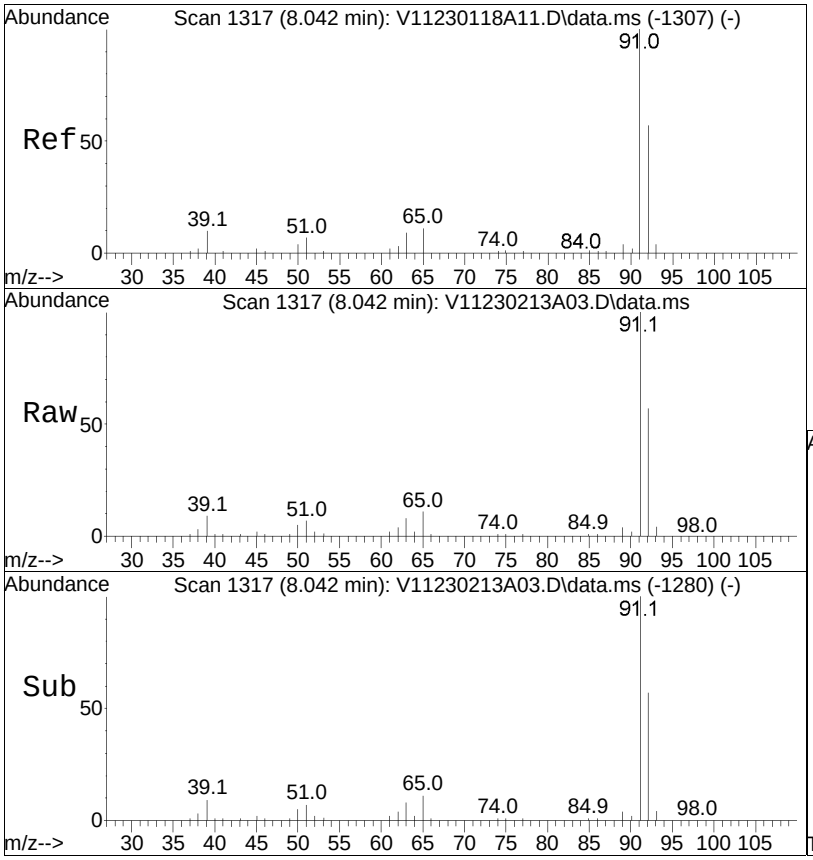


#58
cis-1,3-Dichloropropene
Concen: 37.06 ug/L
RT: 7.764 min Scan# 1264
Delta R.T. -0.011 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 75 Resp: 60510

Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.9	37.3
39	50.4	51.8	77.8#

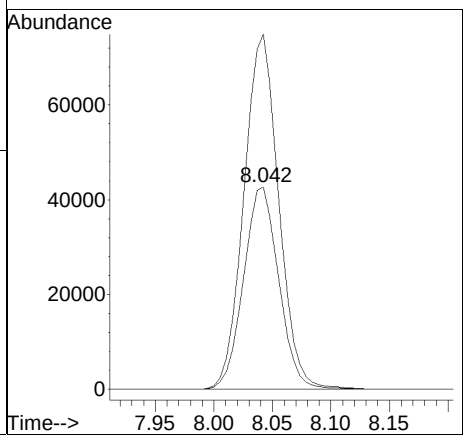


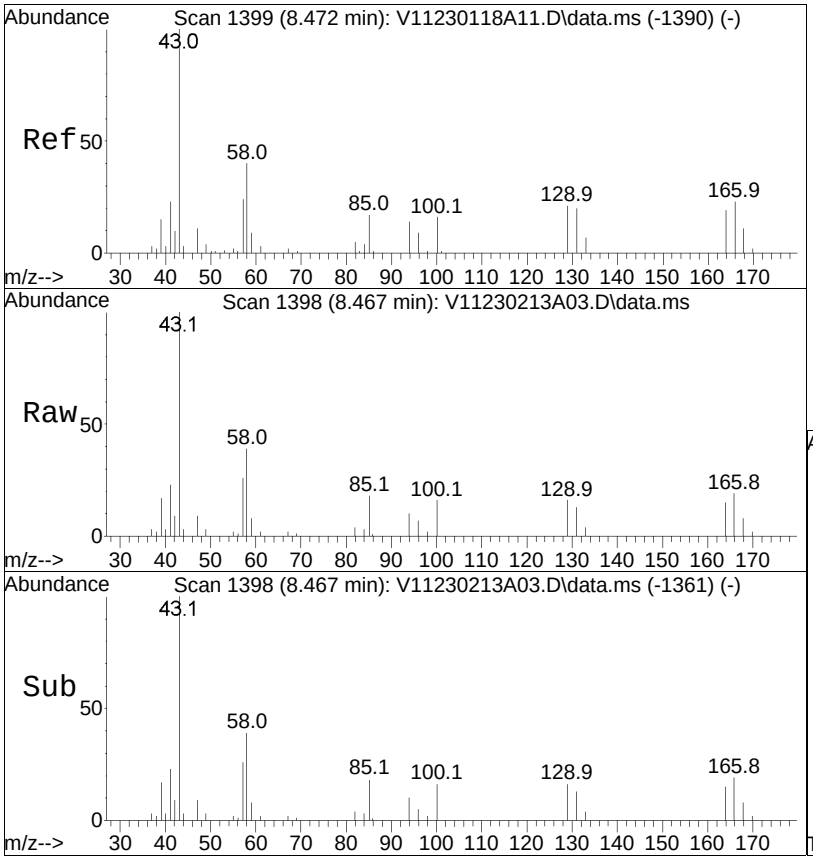


#61
Toluene
Concen: 37.89 ug/L
RT: 8.042 min Scan# 1317
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 92 Resp: 89384

Ion	Ratio	Lower	Upper
92	100		
91	173.4	133.7	200.5

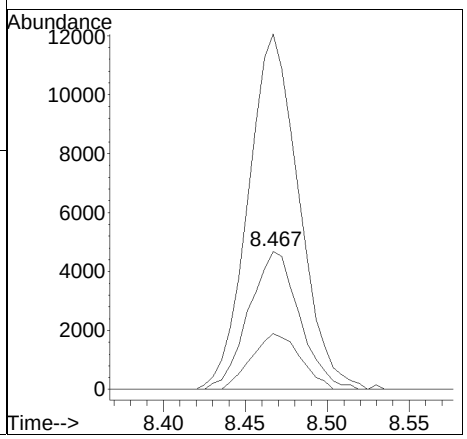


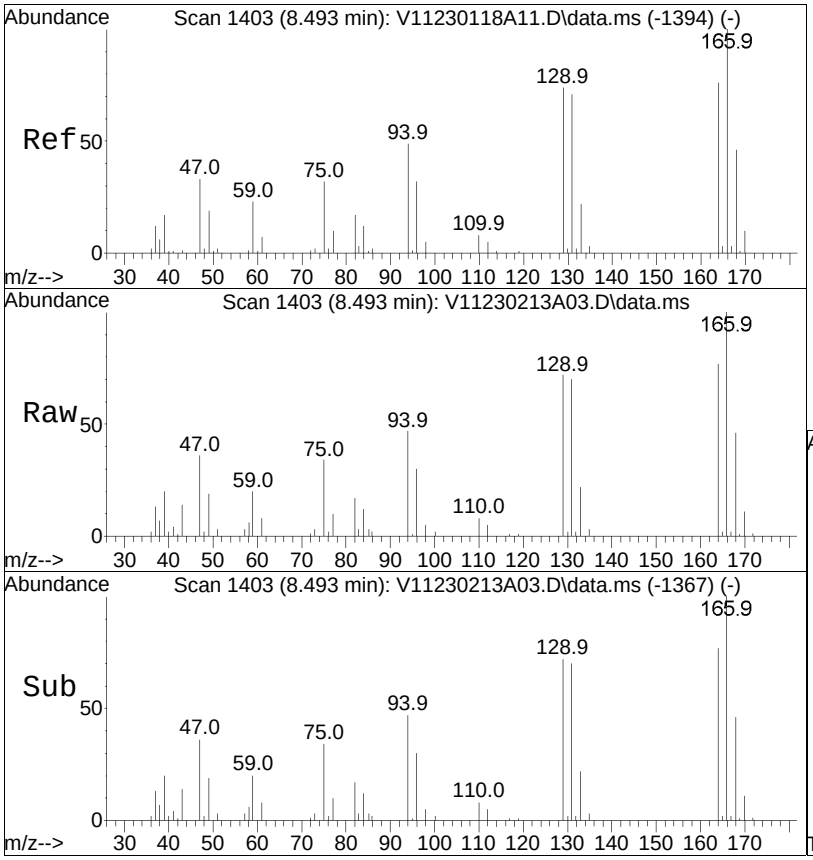


#62
4-Methyl-2-pentanone
Concen: 33.17 ug/L
RT: 8.467 min Scan# 1398
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 58 Resp: 10046

Ion	Ratio	Lower	Upper
58	100		
100	39.0	22.0	33.0#
43	258.6	236.9	355.3

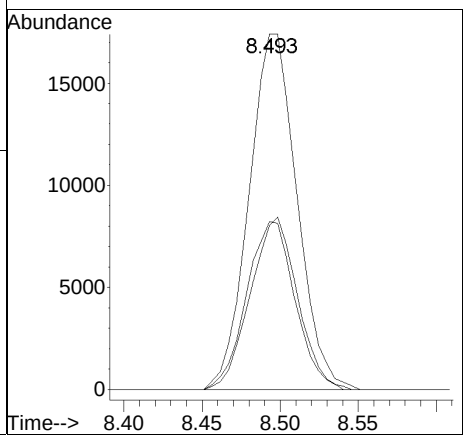


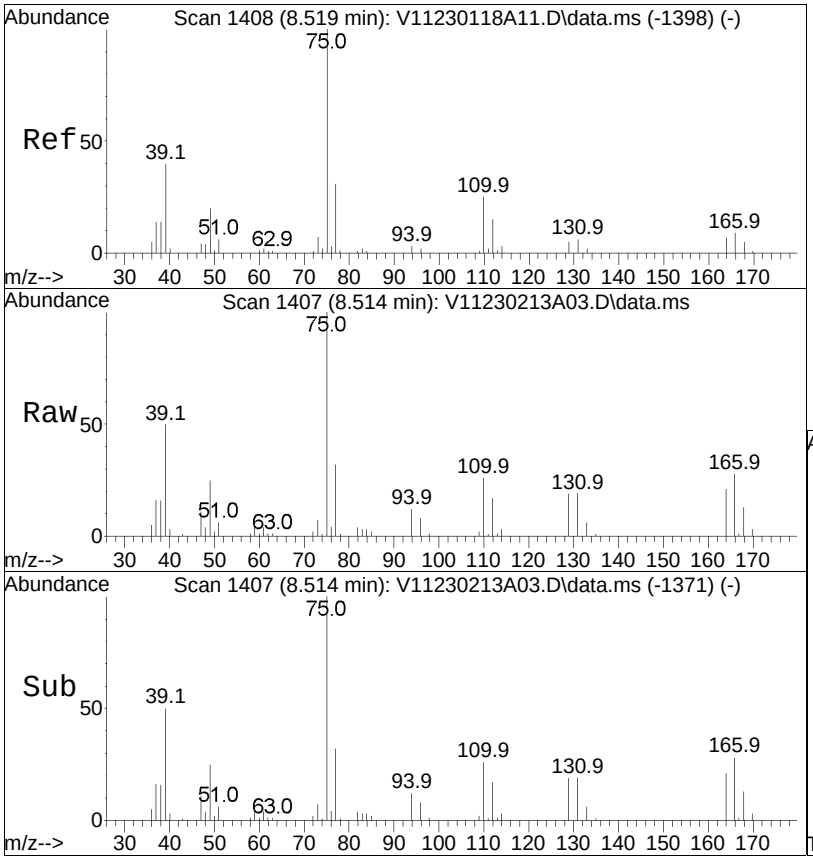


#63
Tetrachloroethene
Concen: 41.11 ug/L
RT: 8.493 min Scan# 1403
Delta R.T. -0.011 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:166 Resp: 37256

Ion	Ratio	Lower	Upper
166	100		
168	47.2	28.2	68.2
94	47.6	26.3	66.3

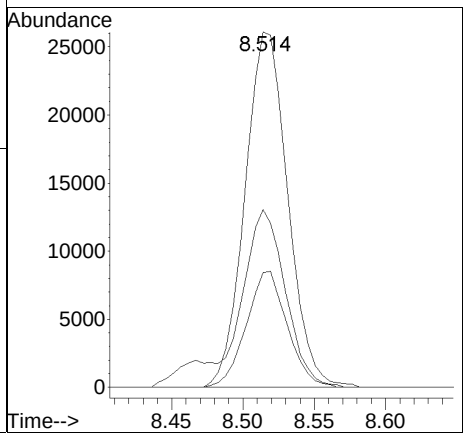


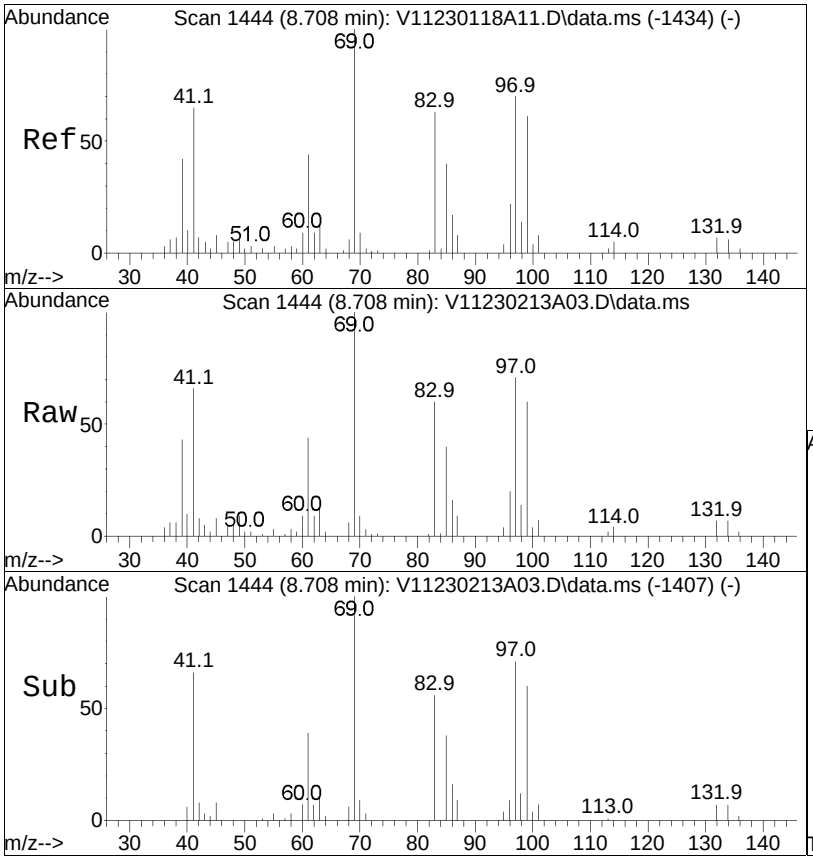


#65
trans-1,3-Dichloropropene
Concen: 37.21 ug/L
RT: 8.514 min Scan# 1407
Delta R.T. -0.010 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 75 Resp: 54593

Ion	Ratio	Lower	Upper
75	100		
77	31.3	11.4	51.4
39	48.8	50.3	90.3#

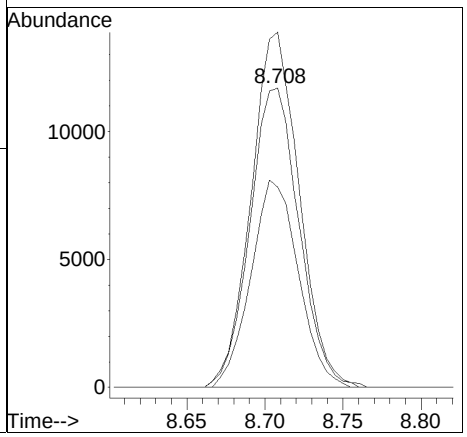


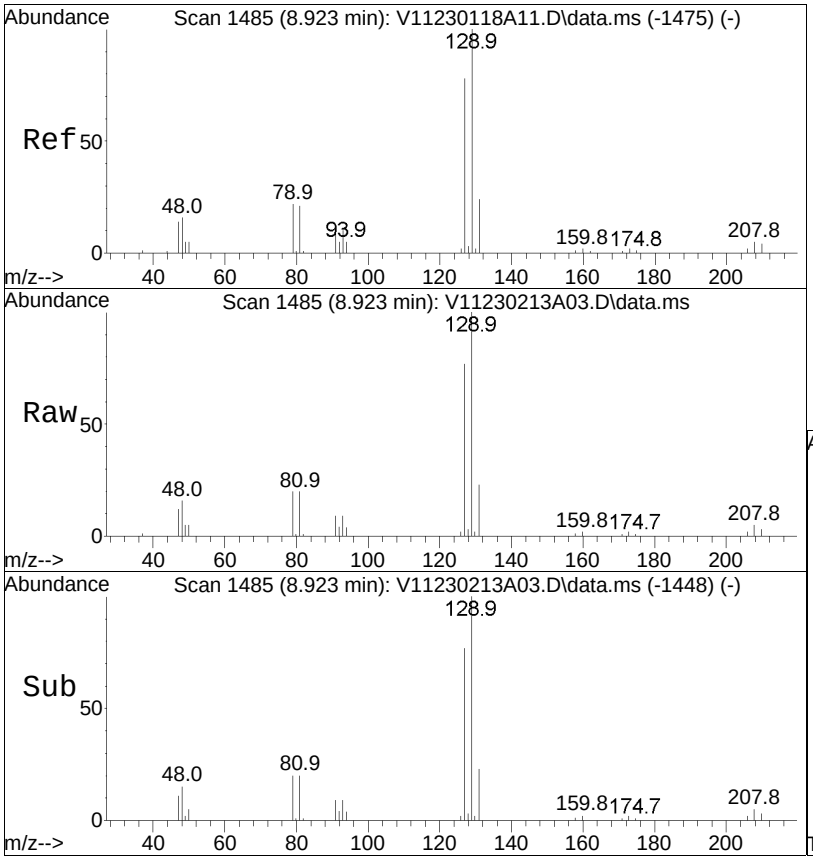


#68
1,1,2-Trichloroethane
Concen: 36.51 ug/L
RT: 8.708 min Scan# 1444
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 83 Resp: 25587

Ion	Ratio	Lower	Upper
83	100		
97	116.6	97.6	137.6
85	67.2	46.8	86.8

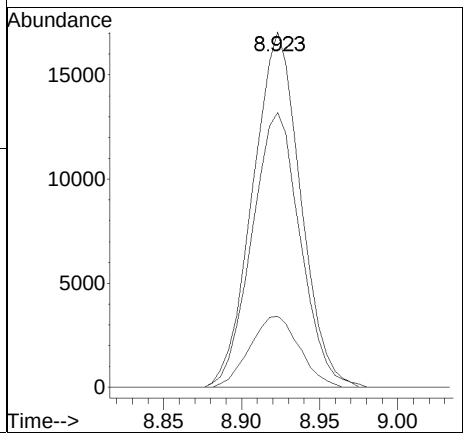


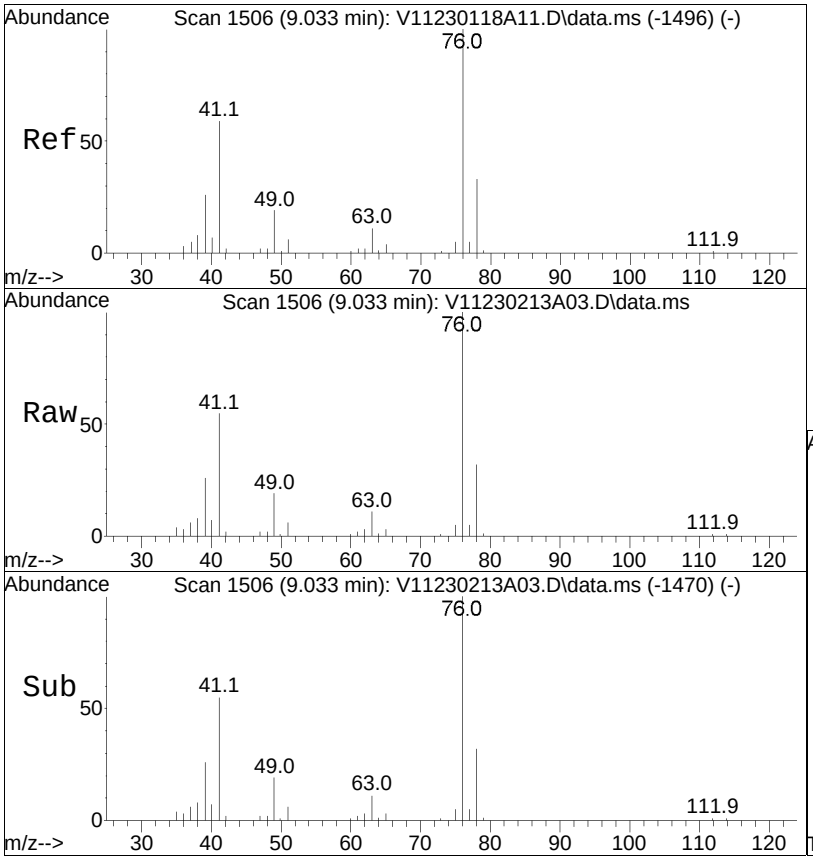


#69
Chlorodibromomethane
Concen: 36.84 ug/L
RT: 8.923 min Scan# 1485
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:129 Resp: 36414

Ion	Ratio	Lower	Upper
129	100		
81	20.8	0.0	36.0
127	78.5	56.0	96.0

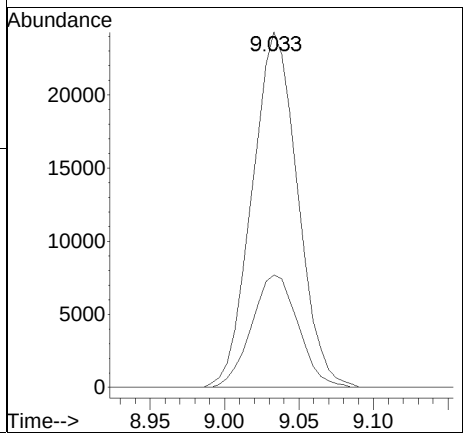


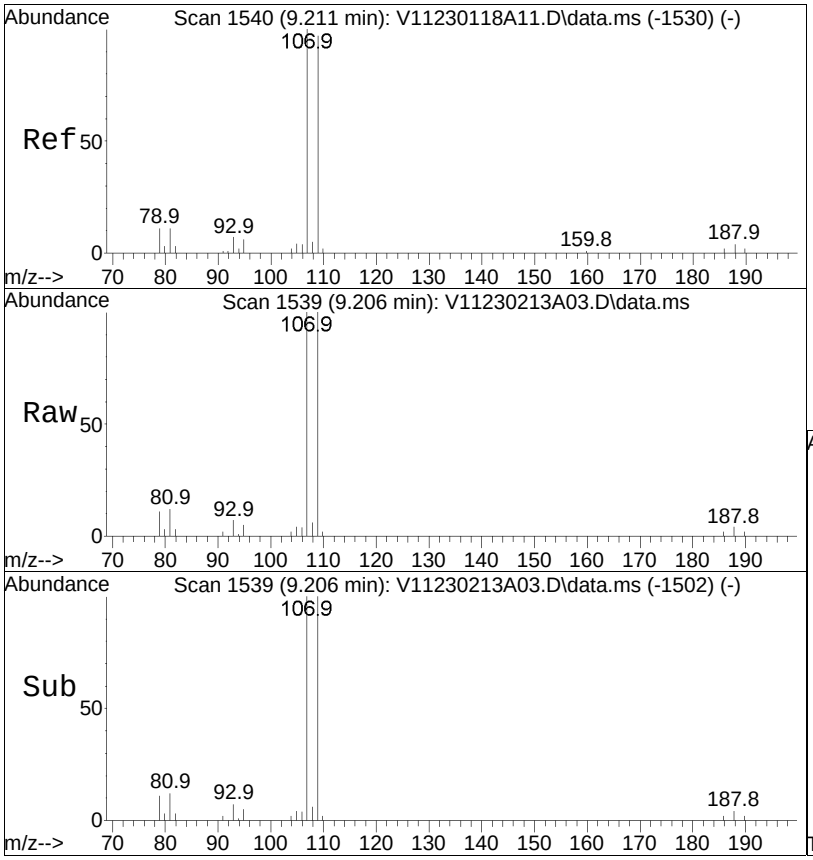


#70
1,3-Dichloropropane
Concen: 36.53 ug/L
RT: 9.033 min Scan# 1506
Delta R.T. -0.011 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 76 Resp: 51739

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9

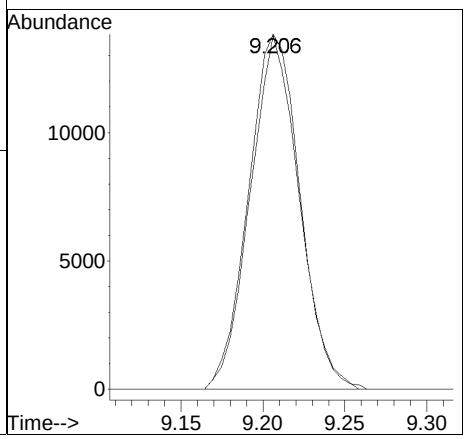


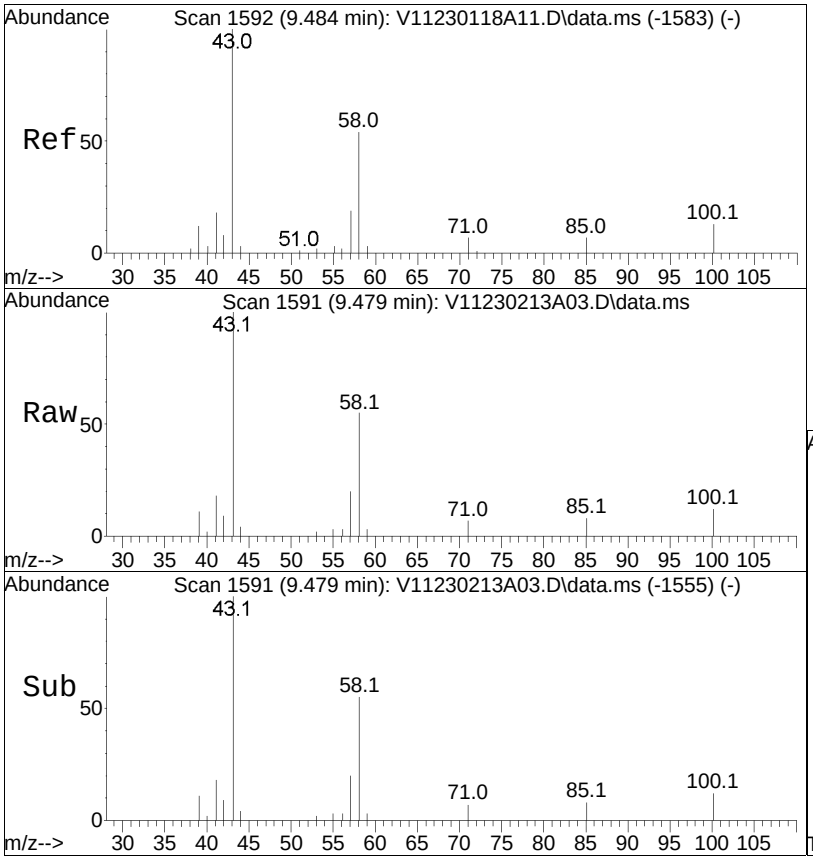


#71
1,2-Dibromoethane
Concen: 38.41 ug/L
RT: 9.206 min Scan# 1539
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:107 Resp: 30289

Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.2	114.4

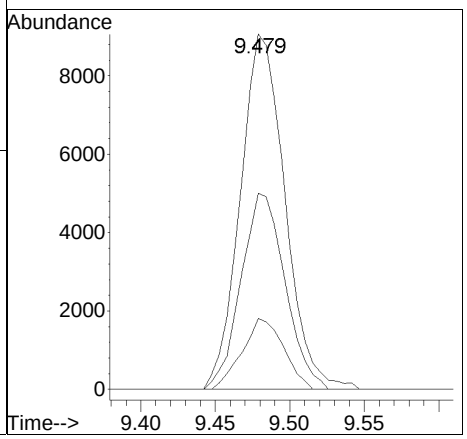


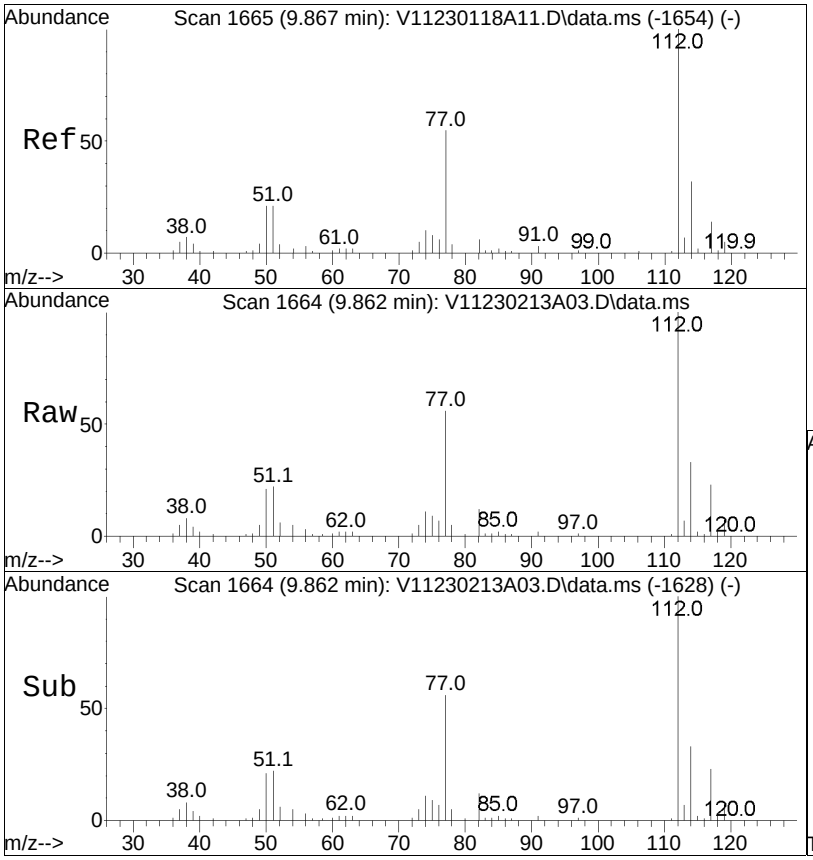


#72
2-Hexanone
Concen: 37.21 ug/L
RT: 9.479 min Scan# 1591
Delta R.T. -0.010 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 43 Resp: 18924

Ion	Ratio	Lower	Upper
43	100		
58	54.4	37.9	56.9
57	18.6	12.6	19.0

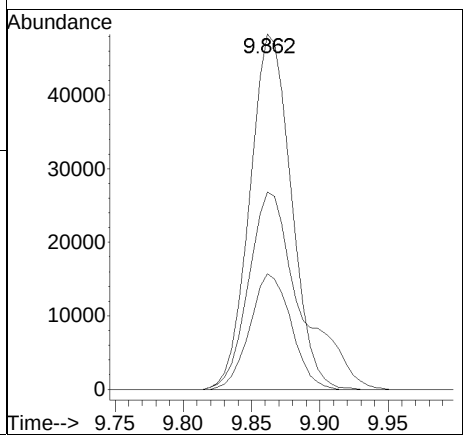


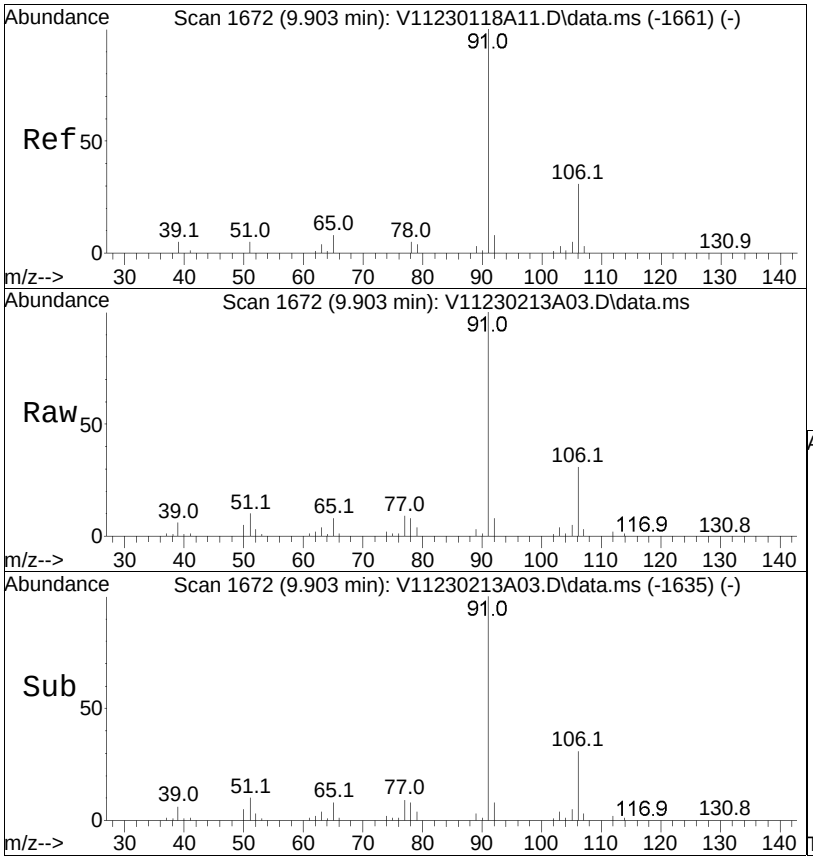


#73
Chlorobenzene
Concen: 36.98 ug/L
RT: 9.862 min Scan# 1664
Delta R.T. -0.010 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:112 Resp: 101915

Ion	Ratio	Lower	Upper
112	100		
77	69.8	47.0	70.4
114	32.5	25.9	38.9

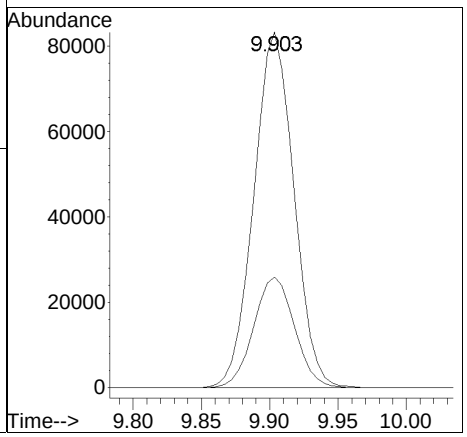


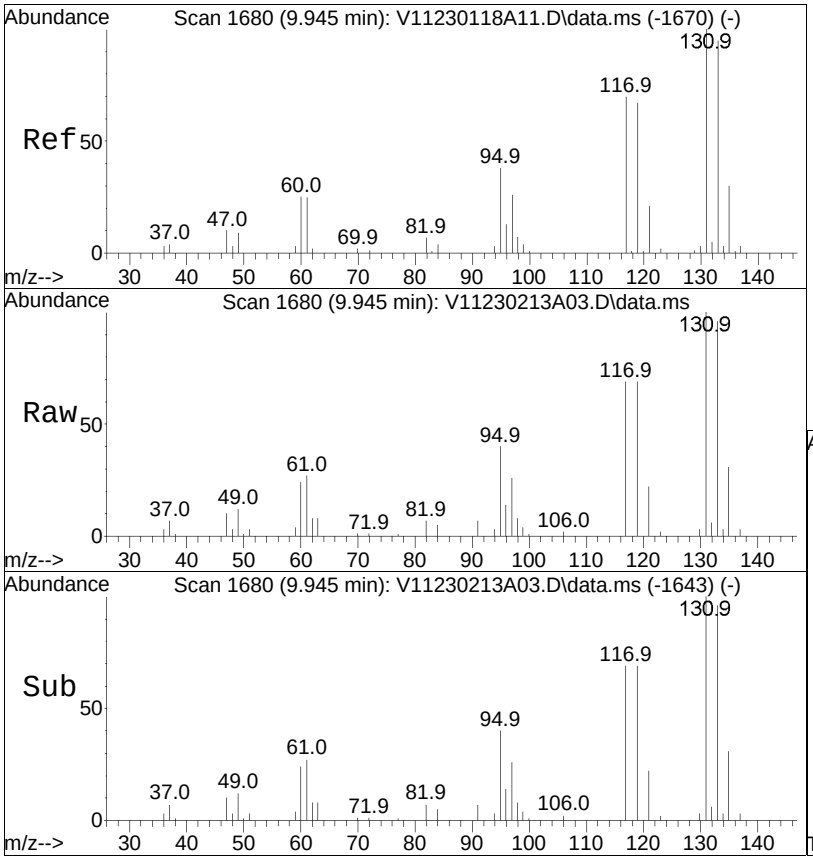


#74
Ethylbenzene
Concen: 38.14 ug/L
RT: 9.903 min Scan# 1672
Delta R.T. -0.006 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 91 Resp: 169500

Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.0	37.4

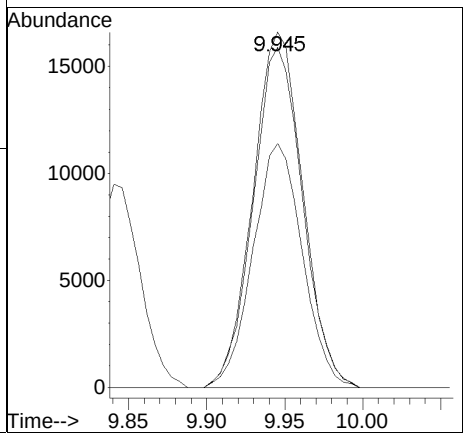


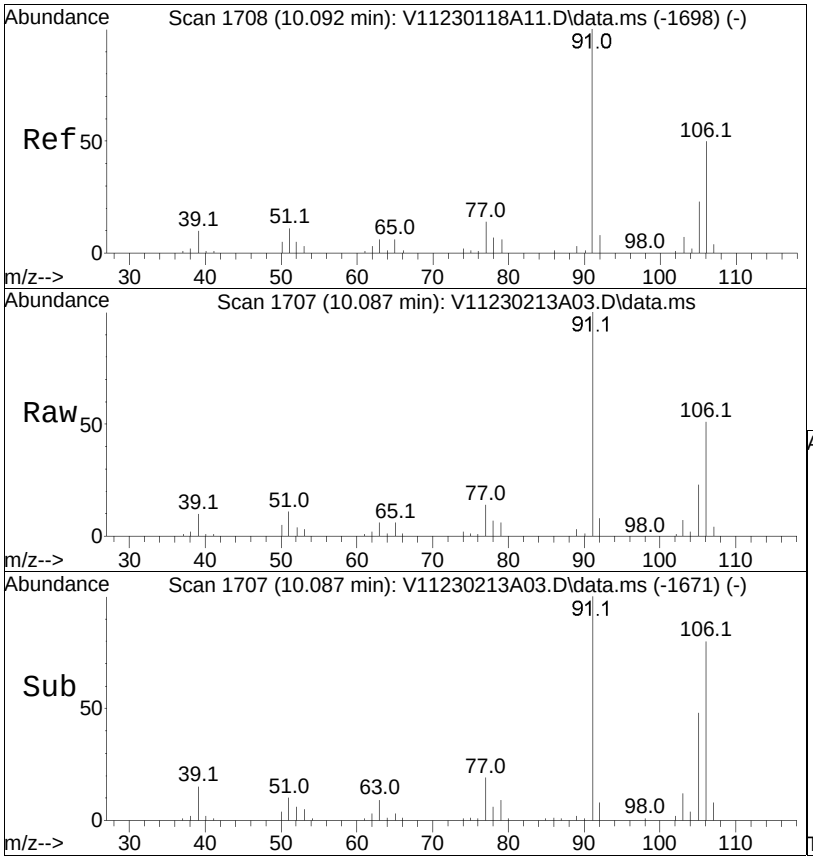


#75
1,1,1,2-Tetrachloroethane
Concen: 39.12 ug/L
RT: 9.945 min Scan# 1680
Delta R.T. -0.006 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:131 Resp: 36948

Ion	Ratio	Lower	Upper
131	100		
133	94.9	75.2	115.2
119	67.9	44.7	84.7

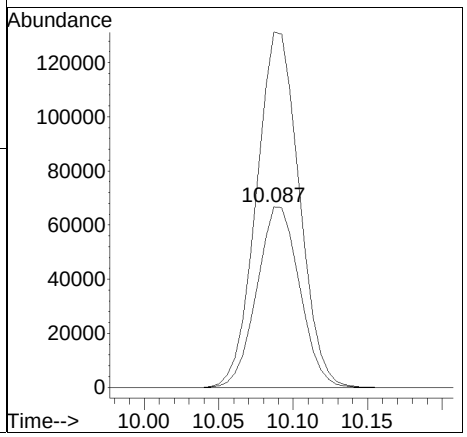


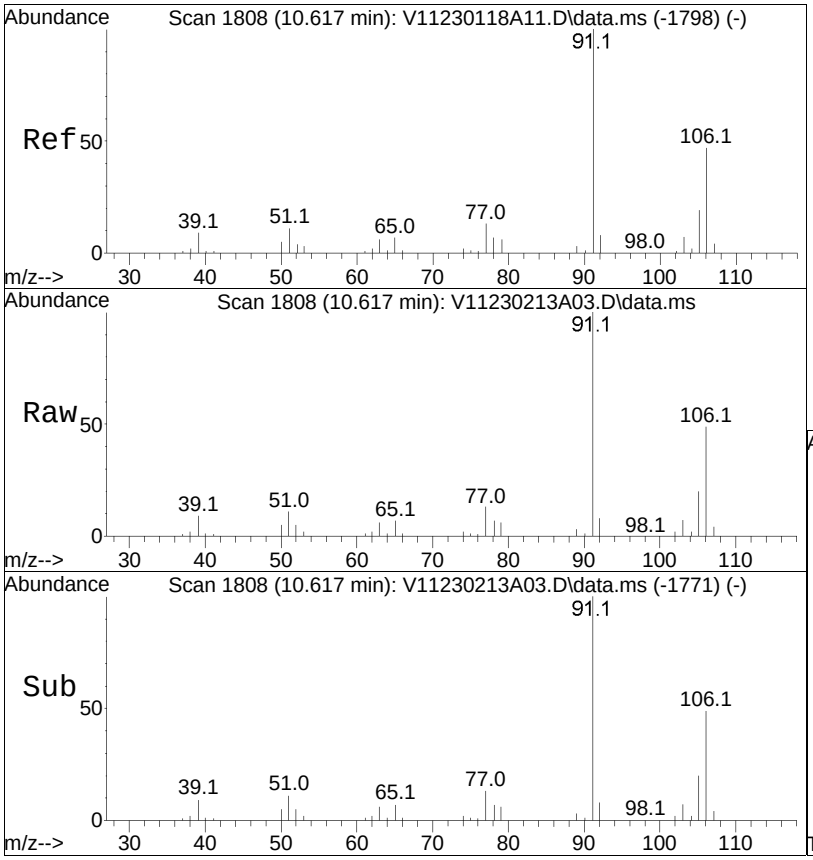


#76
p/m Xylene
Concen: 78.64 ug/L
RT: 10.087 min Scan# 1707
Delta R.T. -0.010 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:106 Resp: 133129

Ion	Ratio	Lower	Upper
106	100		
91	197.1	159.3	238.9

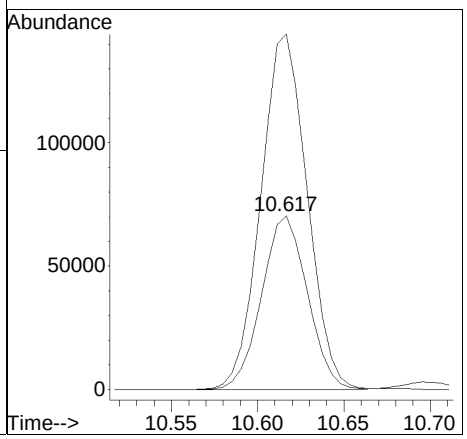


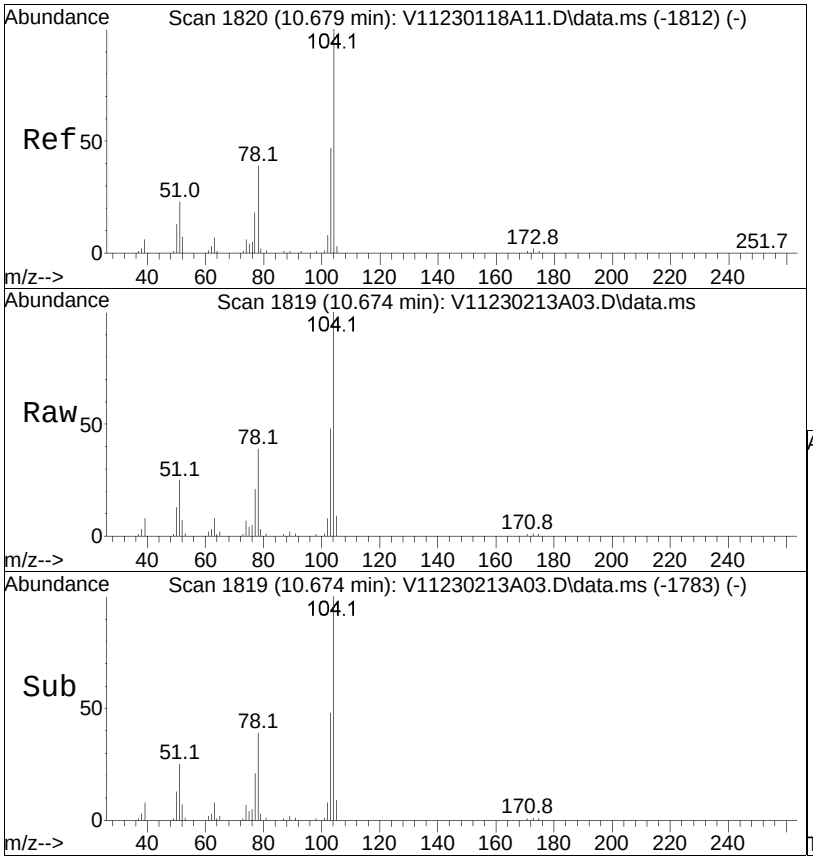


#77
o Xylene
Concen: 79.11 ug/L
RT: 10.617 min Scan# 1808
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:106 Resp: 129436

Ion	Ratio	Lower	Upper
106	100		
91	207.5	170.2	255.2

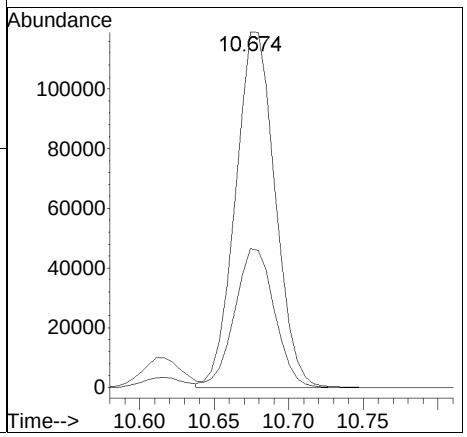


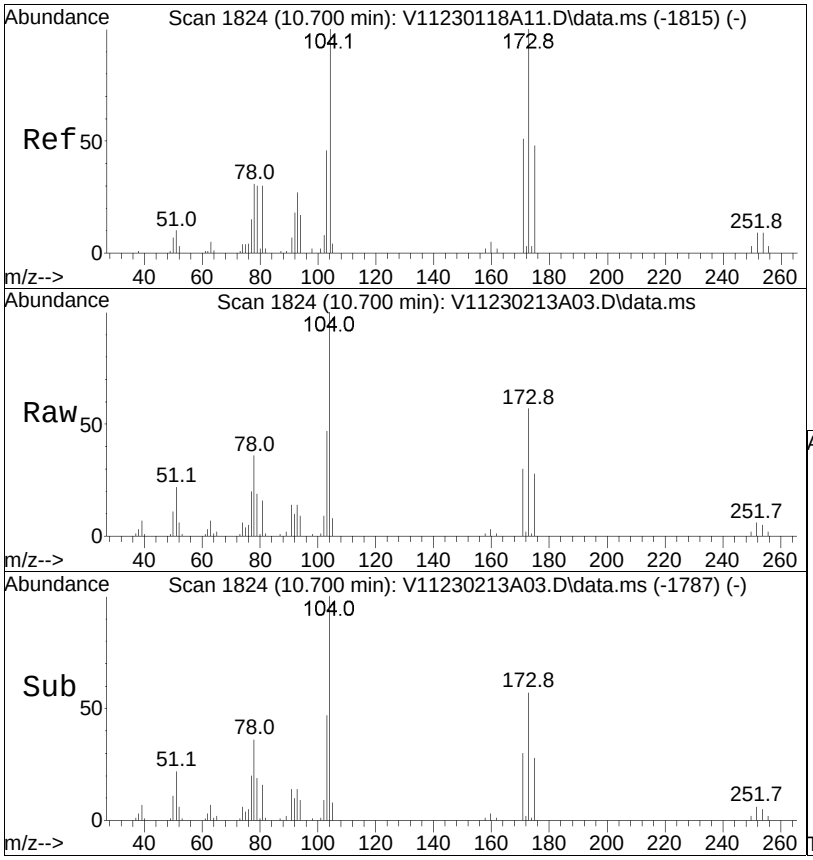


#78
Styrene
Concen: 79.61 ug/L
RT: 10.674 min Scan# 1819
Delta R.T. -0.011 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:104 Resp: 219958

Ion	Ratio	Lower	Upper
104	100		
78	39.1	34.4	51.6

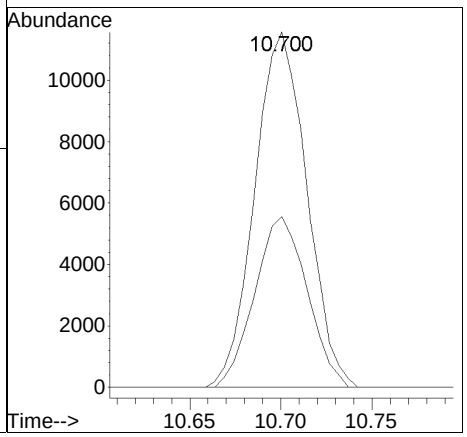


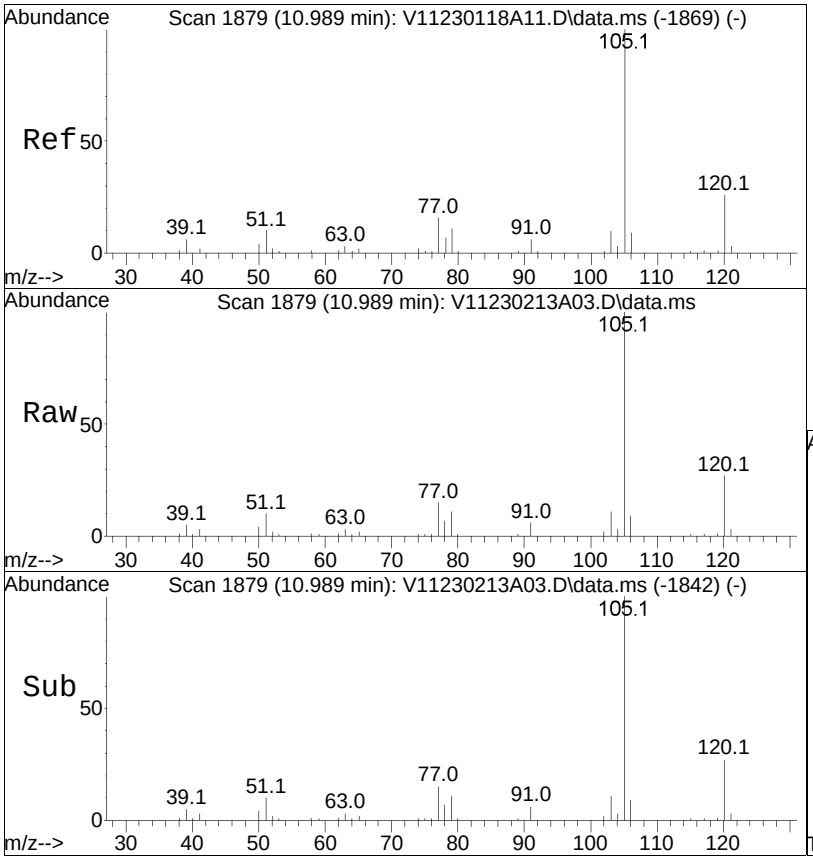


#80
Bromoform
Concen: 37.58 ug/L
RT: 10.700 min Scan# 1824
Delta R.T. -0.006 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:173 Resp: 22957

Ion	Ratio	Lower	Upper
173	100		
175	48.4	28.1	68.1

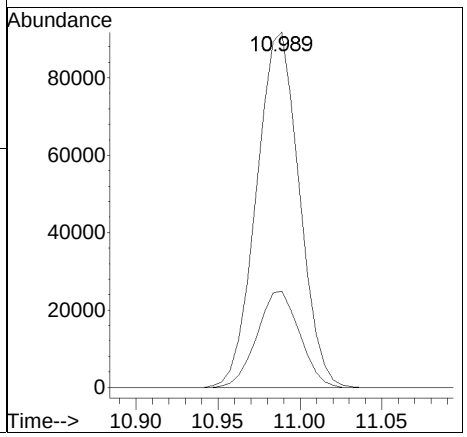


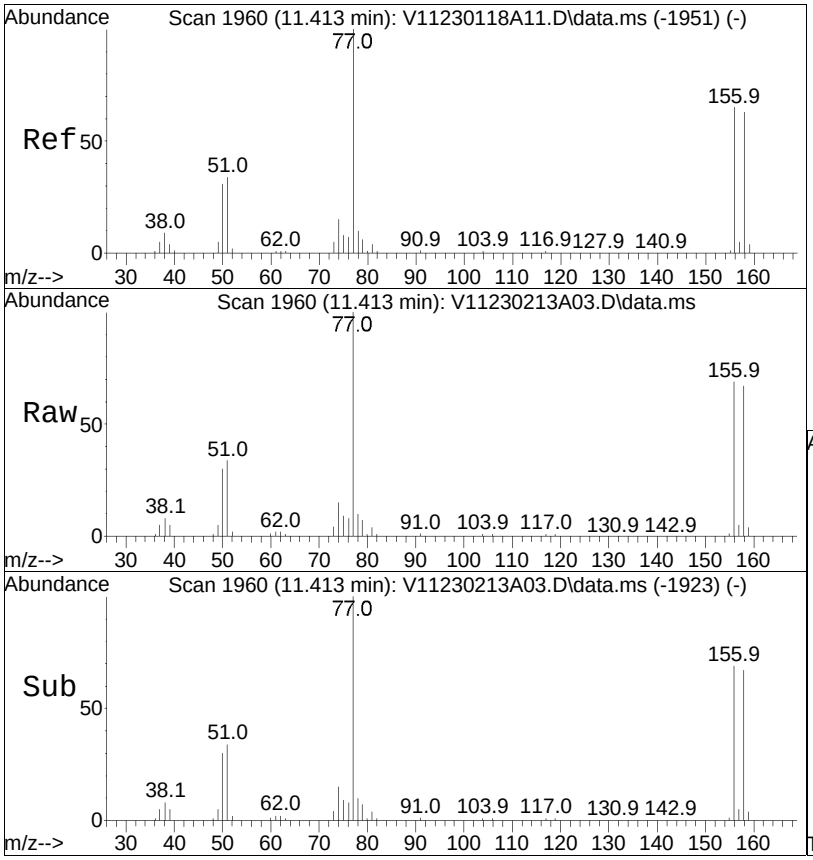


#82
Isopropylbenzene
Concen: 40.26 ug/L
RT: 10.989 min Scan# 1879
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:105 Resp: 166645

Ion	Ratio	Lower	Upper
105	100		
120	26.9	6.9	46.9

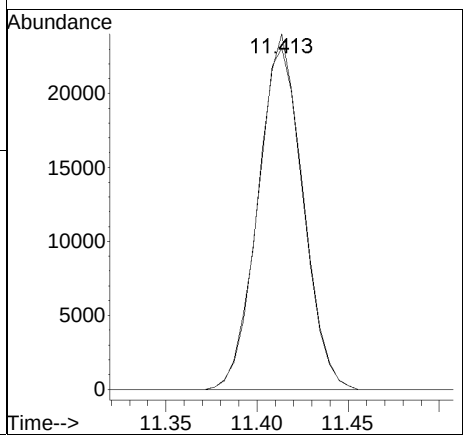


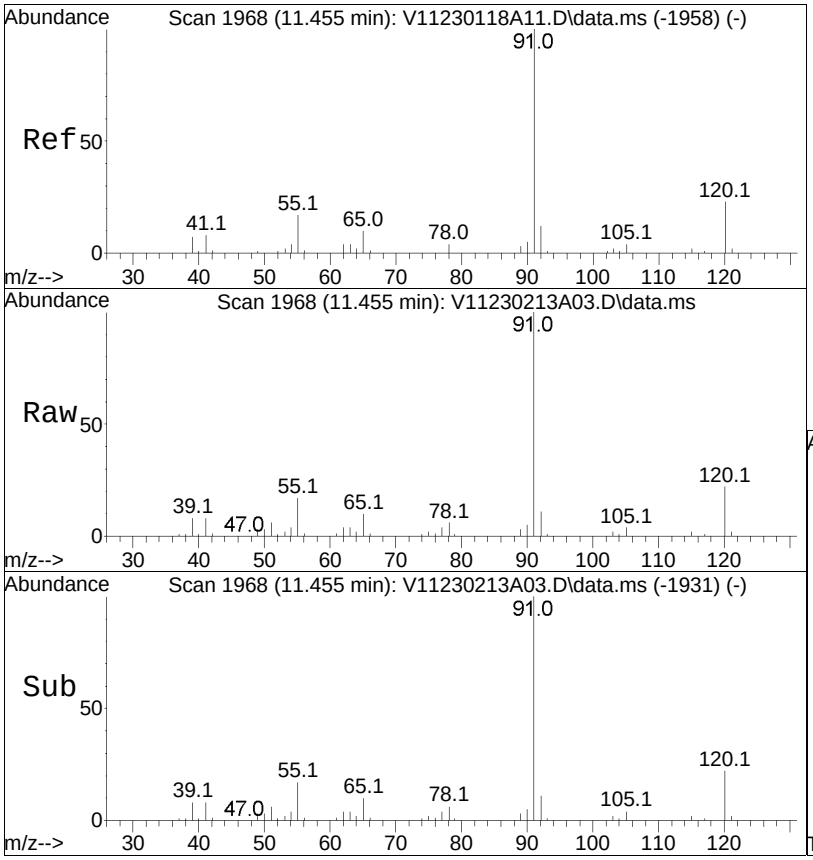


#84
Bromobenzene
Concen: 37.05 ug/L
RT: 11.413 min Scan# 1960
Delta R.T. -0.006 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:156 Resp: 40839

Ion	Ratio	Lower	Upper
156	100		
158	98.0	77.5	116.3

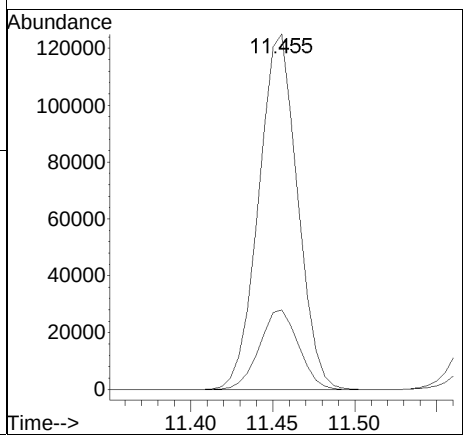


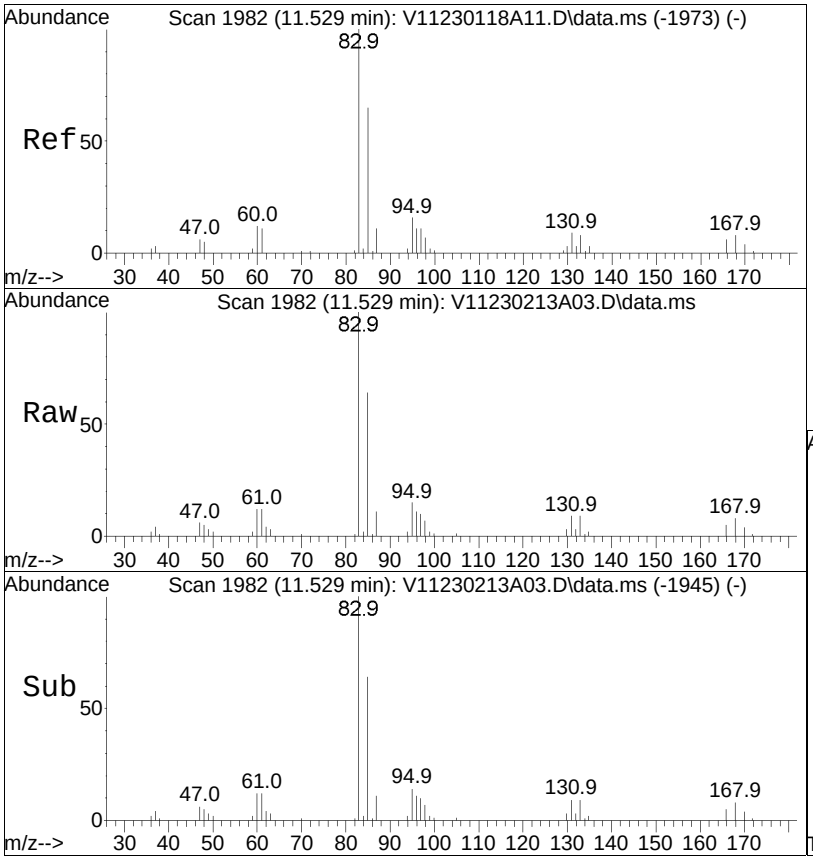


#85
n-Propylbenzene
Concen: 39.71 ug/L
RT: 11.455 min Scan# 1968
Delta R.T. -0.006 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 91 Resp: 205459

Ion	Ratio	Lower	Upper
91	100		
120	22.5	18.6	27.8

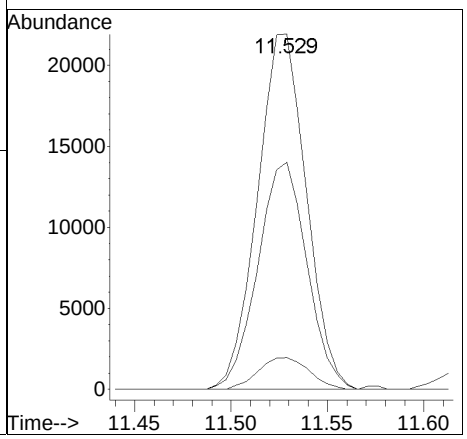


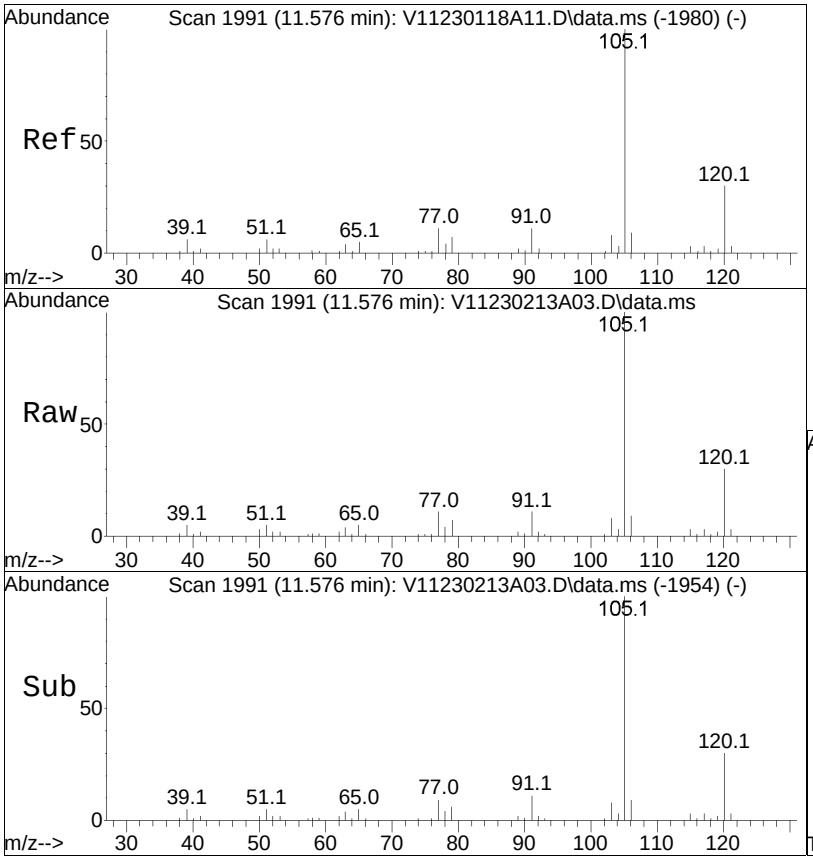


#87
1,1,2,2-Tetrachloroethane
Concen: 37.29 ug/L
RT: 11.529 min Scan# 1982
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 83 Resp: 38665

Ion	Ratio	Lower	Upper
83	100		
131	9.4	0.0	30.1
85	64.3	45.8	85.8

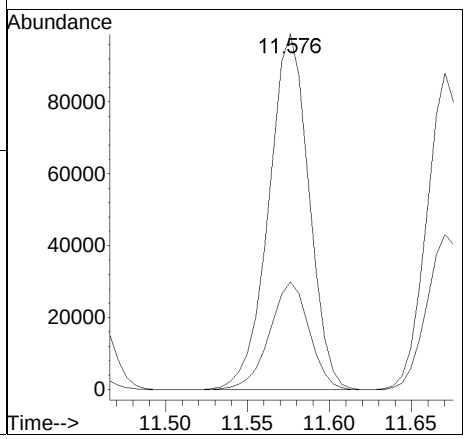


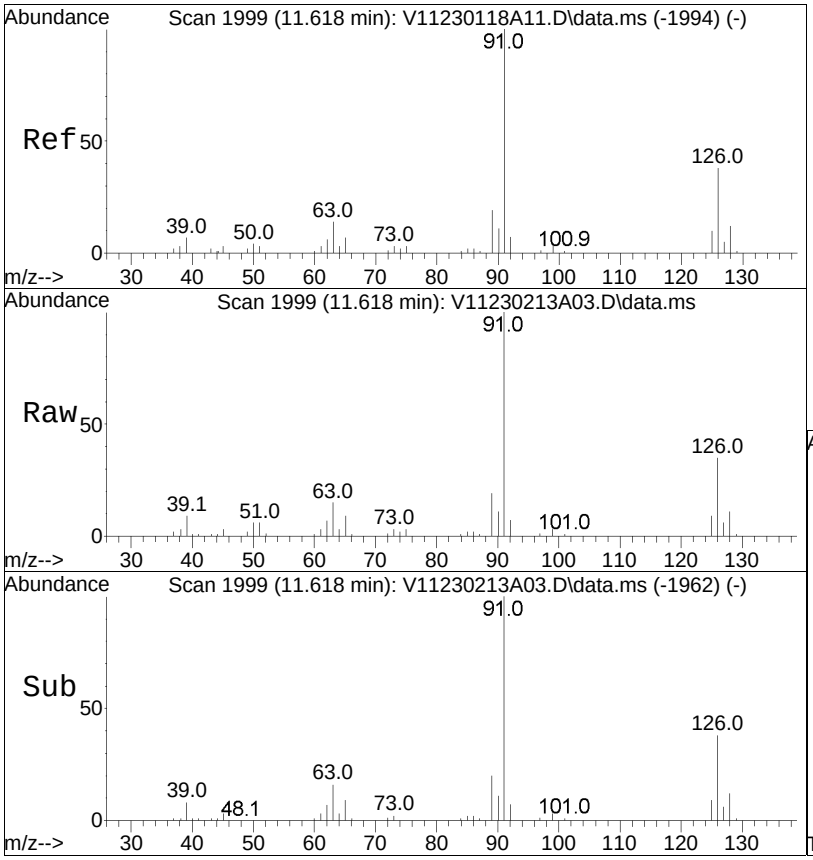


#88
4-Ethyltoluene
Concen: 40.54 ug/L
RT: 11.576 min Scan# 1991
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:105 Resp: 168113

Ion	Ratio	Lower	Upper
105	100		
120	29.8	19.5	40.5

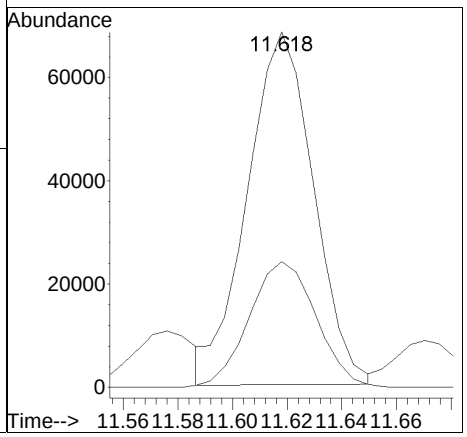


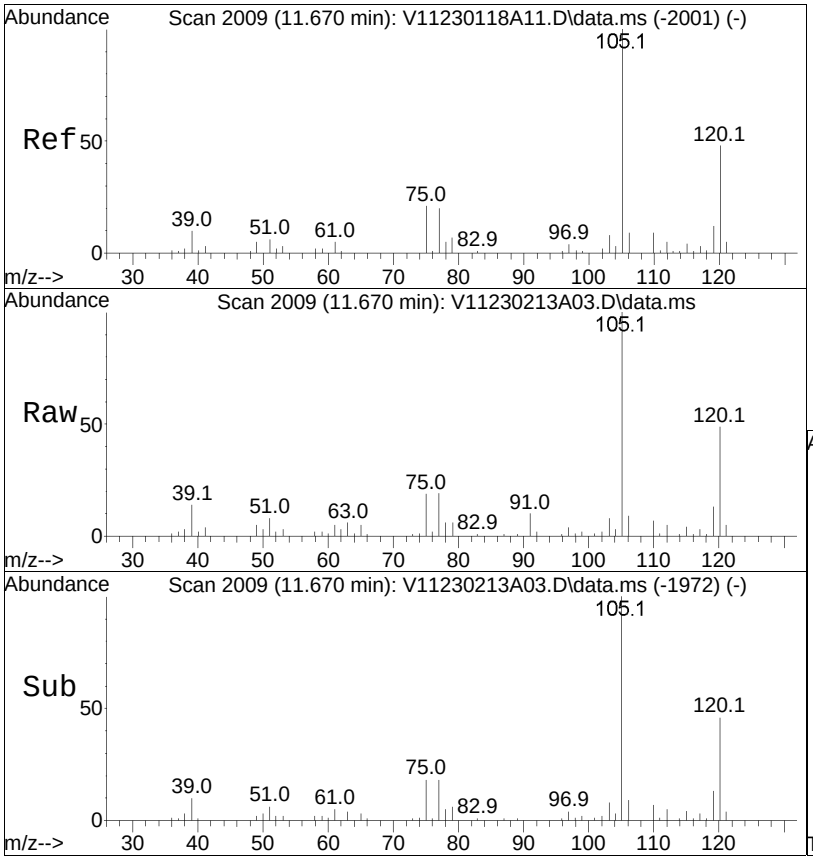


#89
2-Chlorotoluene
Concen: 37.89 ug/L
RT: 11.618 min Scan# 1999
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 91 Resp: 114991

Ion	Ratio	Lower	Upper
91	100		
126	36.0	24.3	36.5

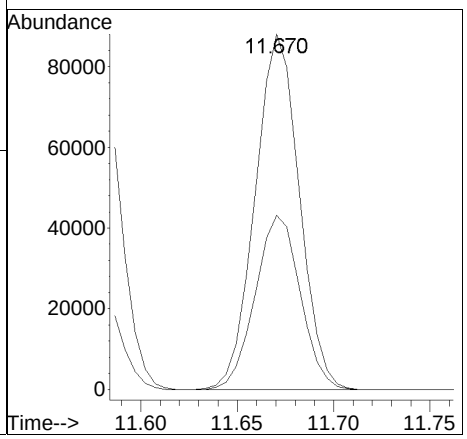


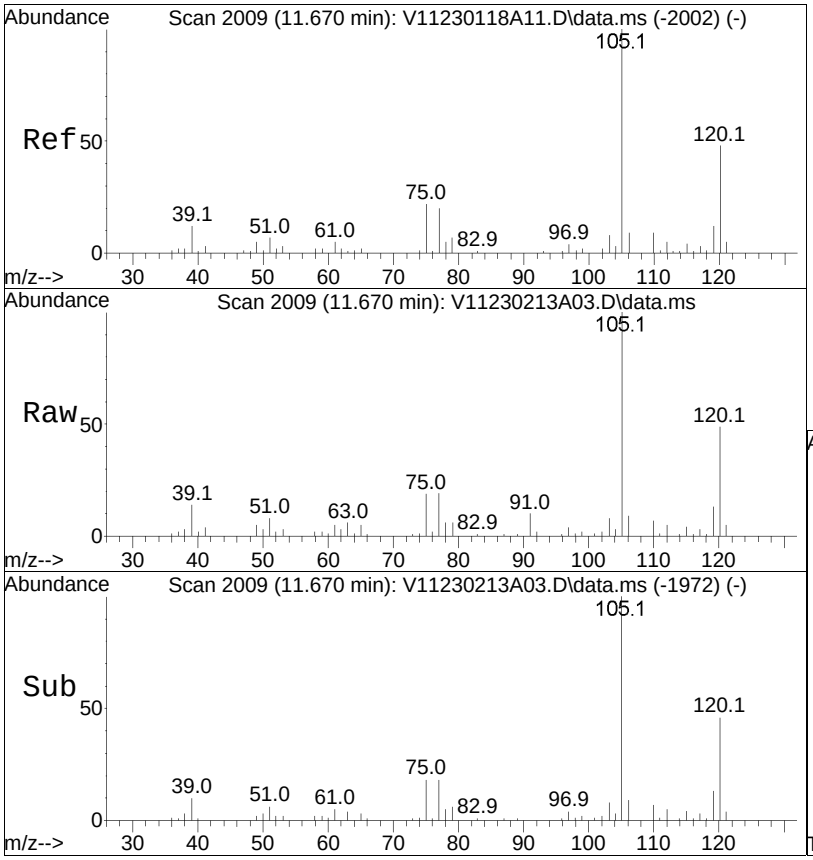


#90
1,3,5-Trimethylbenzene
Concen: 39.68 ug/L
RT: 11.670 min Scan# 2009
Delta R.T. -0.006 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:105 Resp: 140059

Ion	Ratio	Lower	Upper
105	100		
120	49.9	39.8	59.8

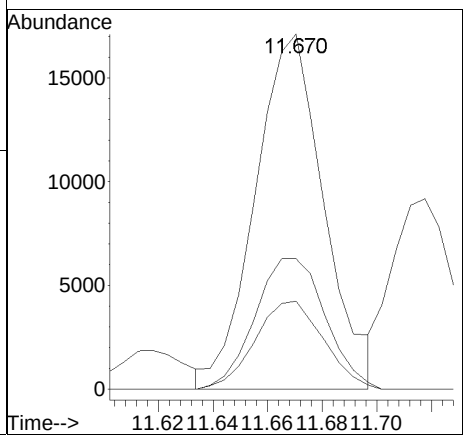


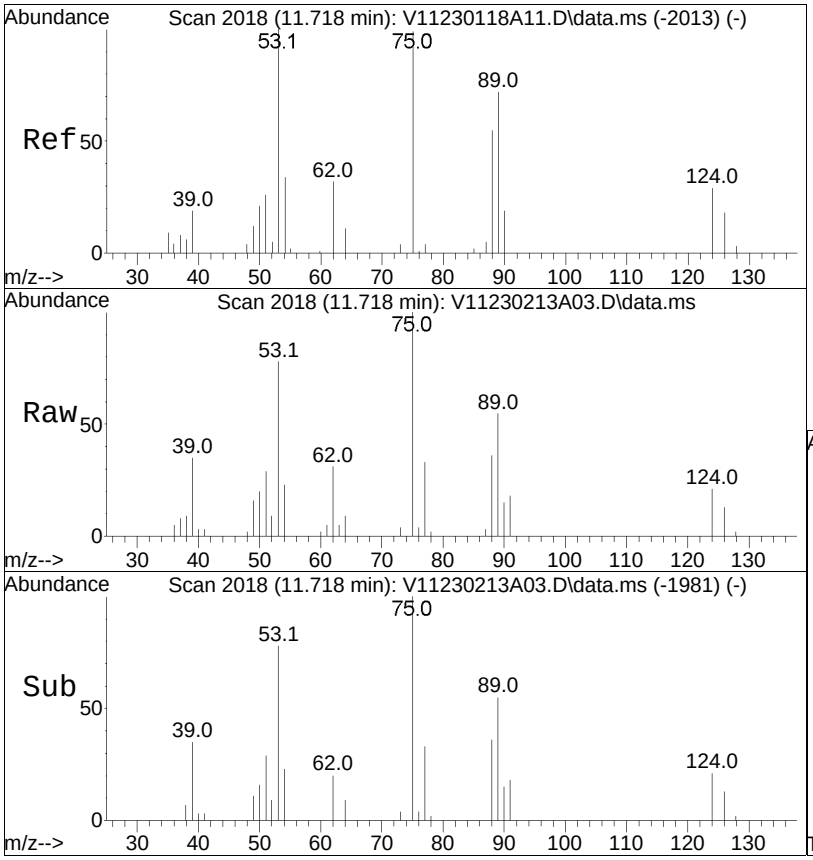


#91
1,2,3-Trichloropropane
Concen: 36.82 ug/L
RT: 11.670 min Scan# 2009
Delta R.T. -0.006 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 75 Resp: 29952

Ion	Ratio	Lower	Upper
75	100		
110	37.8	25.2	52.2
112	24.8	15.7	32.5

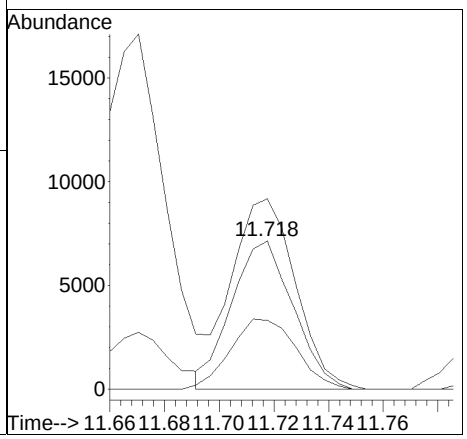


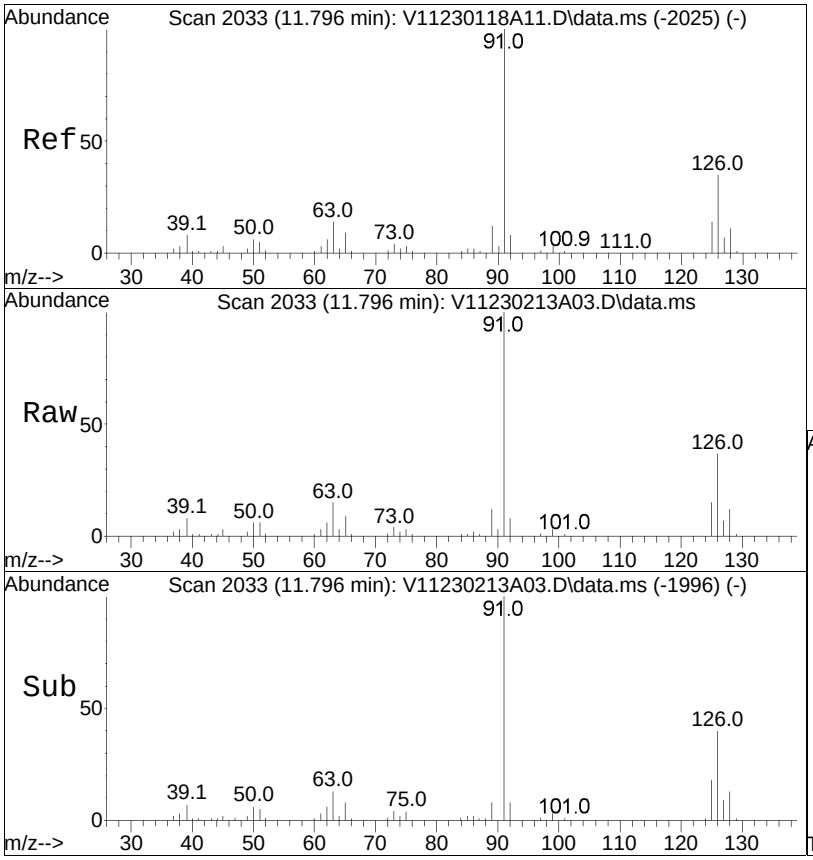


#92
trans-1,4-Dichloro-2-butene
Concen: 41.41 ug/L
RT: 11.718 min Scan# 2018
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 53 Resp: 11218

Ion	Ratio	Lower	Upper
53	100		
88	50.7	34.1	51.1
75	128.7	82.8	124.2#

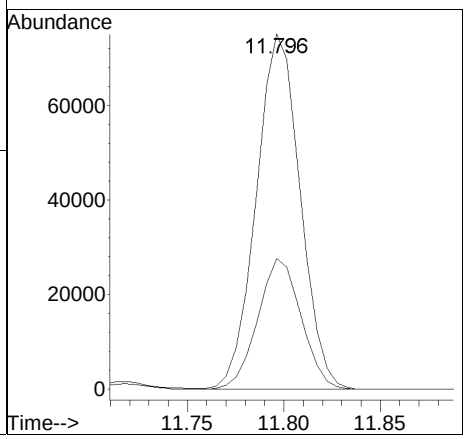


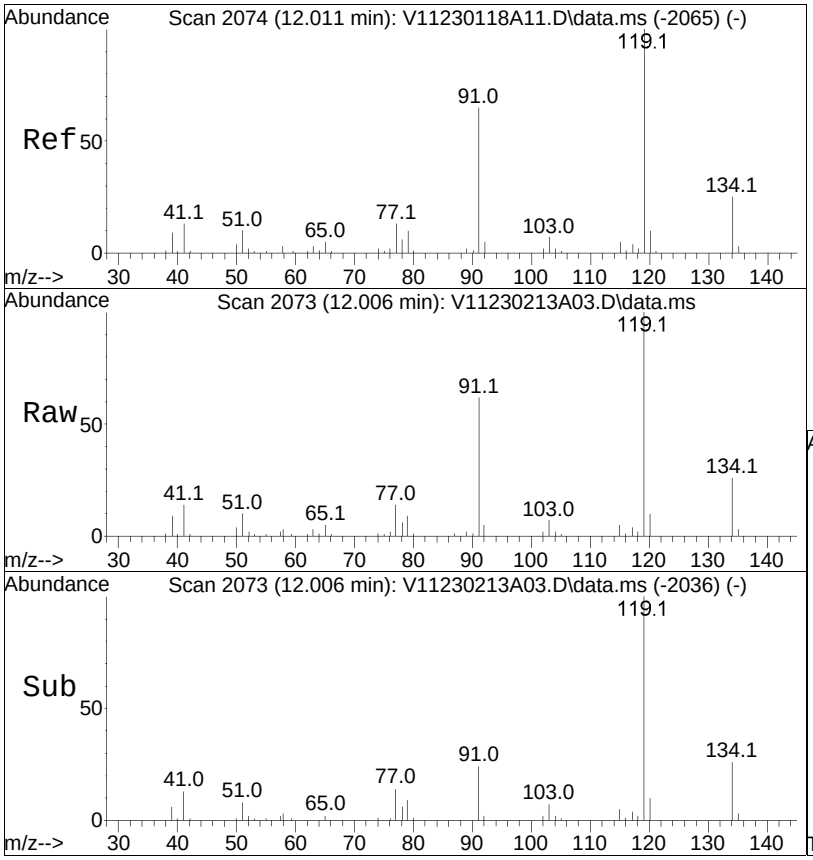


#93
4-Chlorotoluene
Concen: 37.72 ug/L
RT: 11.796 min Scan# 2033
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 91 Resp: 118970

Ion	Ratio	Lower	Upper
91	100		
126	36.4	27.9	41.9

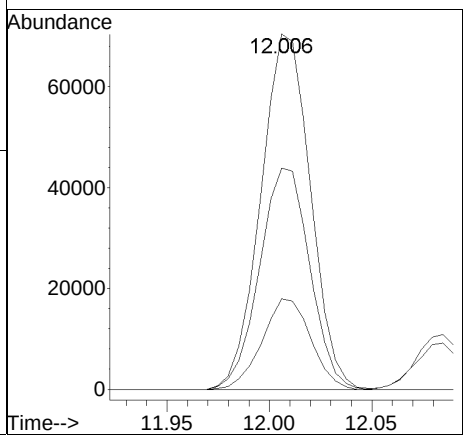


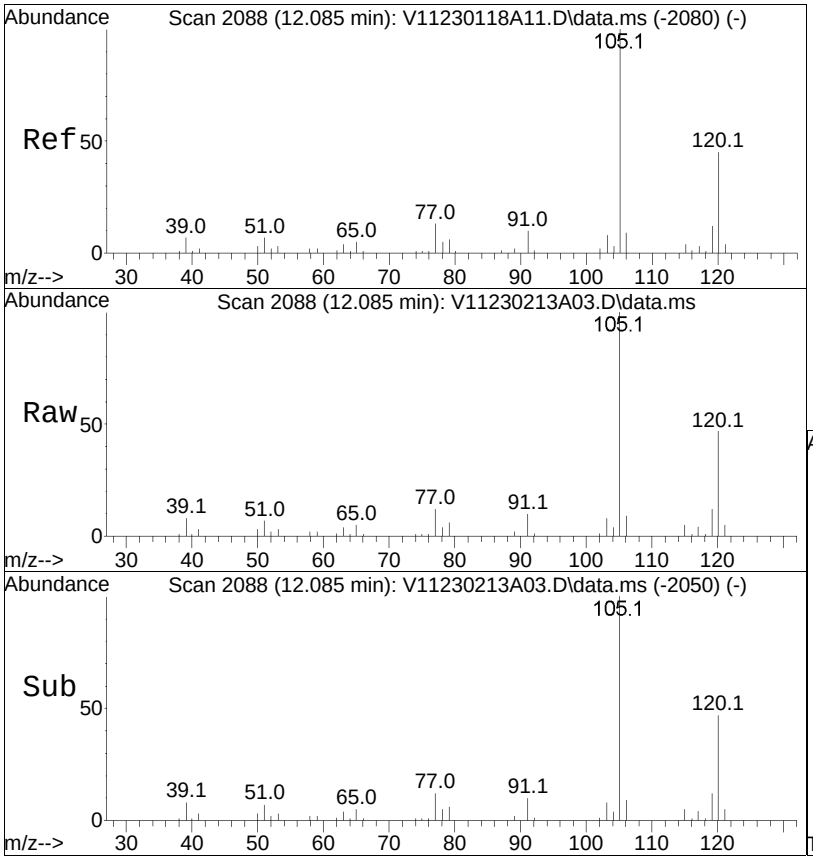


#94
tert-Butylbenzene
Concen: 39.86 ug/L
RT: 12.006 min Scan# 2073
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:119 Resp: 118778

Ion	Ratio	Lower	Upper
119	100		
91	63.0	53.0	79.4
134	25.0	19.8	29.6

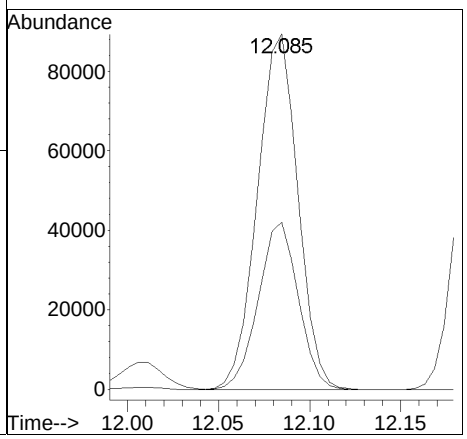


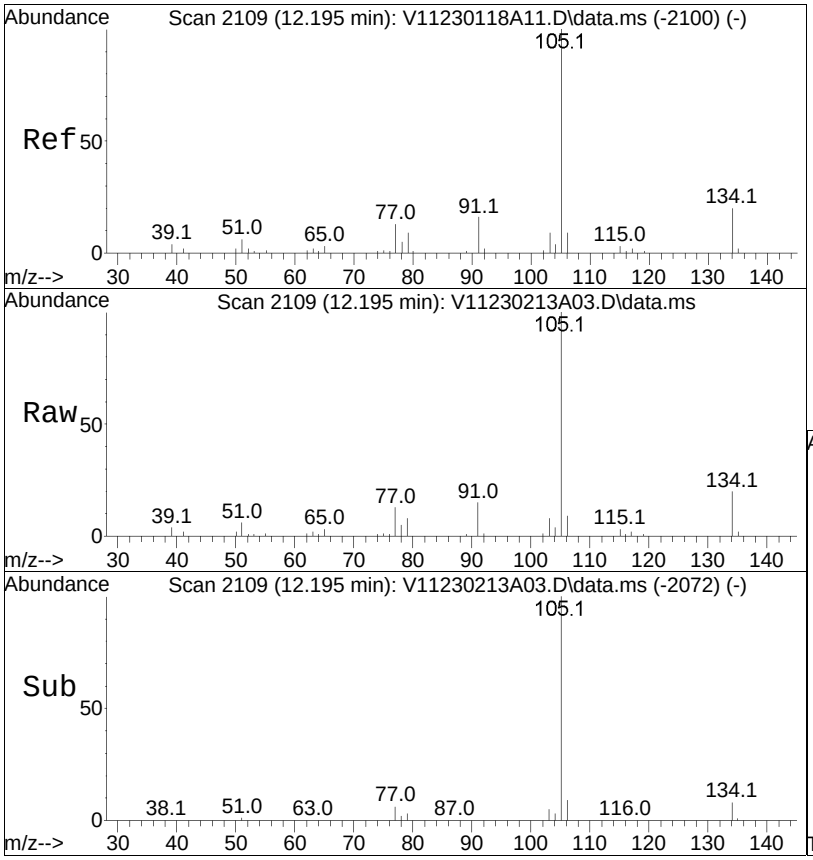


#97
1,2,4-Trimethylbenzene
Concen: 39.23 ug/L
RT: 12.085 min Scan# 2088
Delta R.T. -0.000 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:105 Resp: 137862

Ion	Ratio	Lower	Upper
105	100		
120	46.4	37.4	56.0

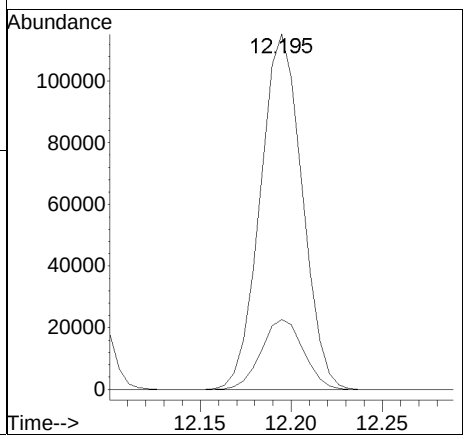


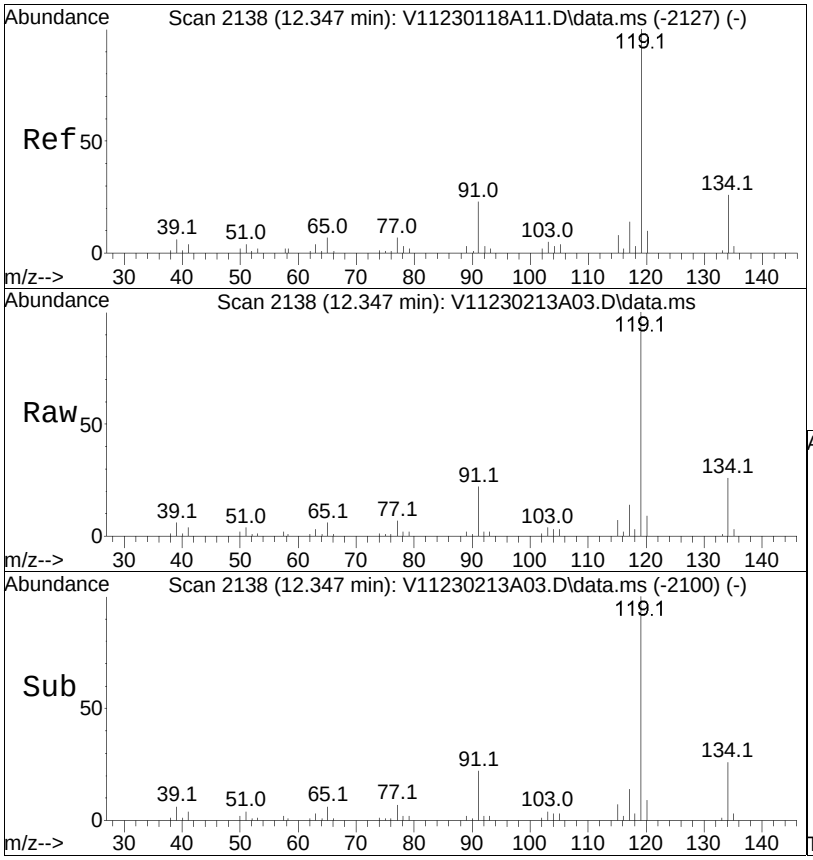


#98
sec-Butylbenzene
Concen: 40.79 ug/L
RT: 12.195 min Scan# 2109
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:105 Resp: 184023

Ion	Ratio	Lower	Upper
105	100		
134	19.8	13.2	27.4

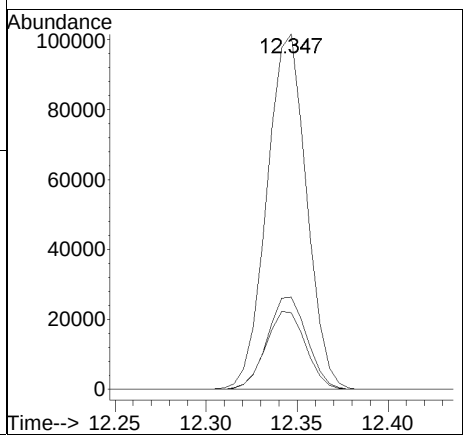


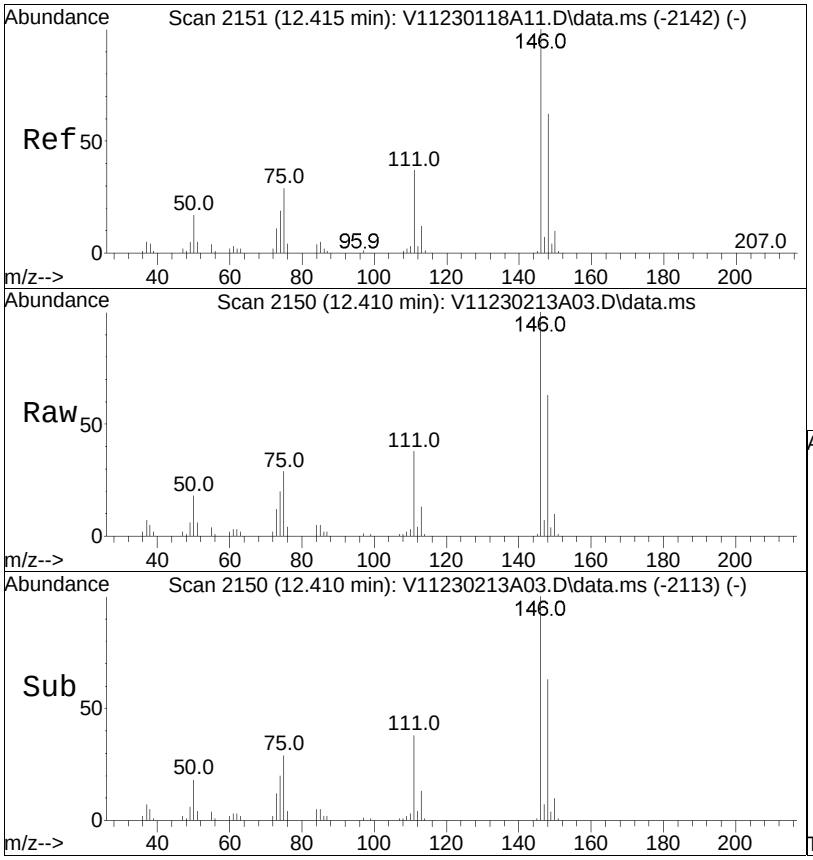


#99
p-Isopropyltoluene
Concen: 39.98 ug/L
RT: 12.347 min Scan# 2138
Delta R.T. -0.000 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:119 Resp: 153894

Ion	Ratio	Lower	Upper
119	100		
134	26.1	17.1	35.5
91	22.2	15.3	31.9

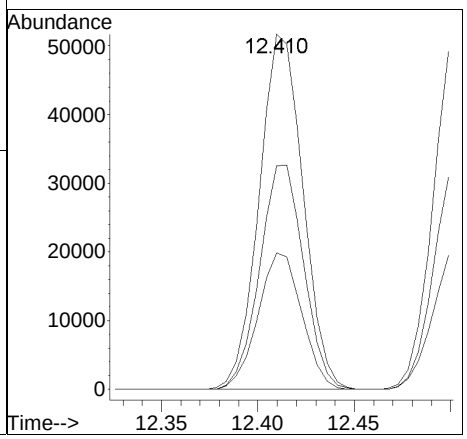


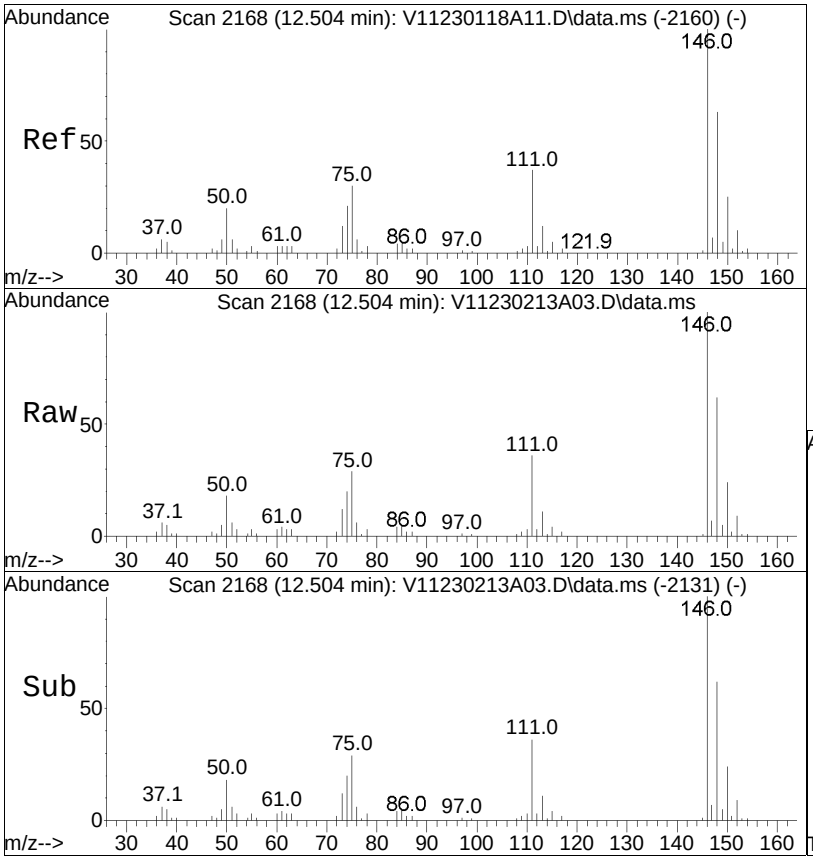


#100
1,3-Dichlorobenzene
Concen: 38.32 ug/L
RT: 12.410 min Scan# 2150
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:146 Resp: 81799

Ion	Ratio	Lower	Upper
146	100		
111	38.4	25.6	53.2
148	63.3	41.3	85.9

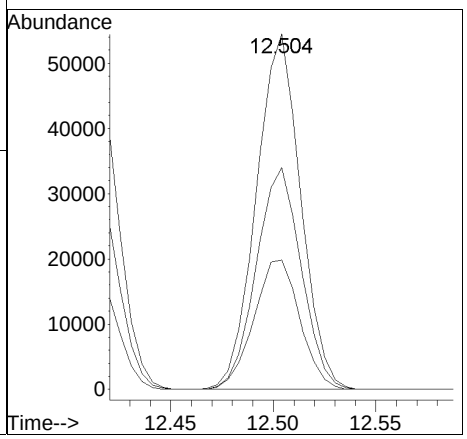


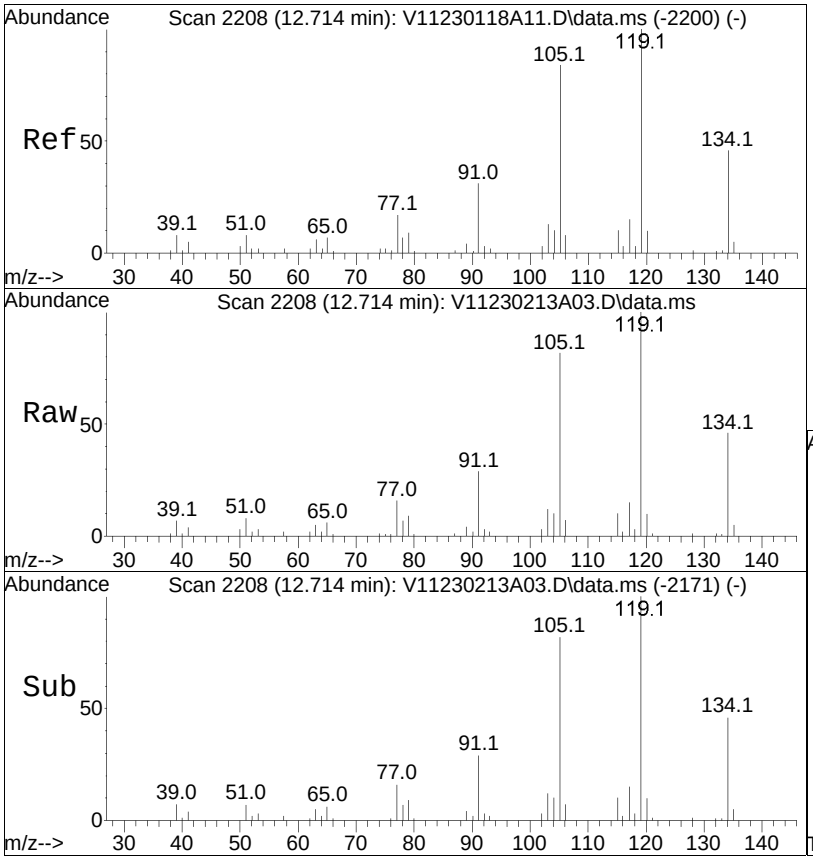


#101
1,4-Dichlorobenzene
Concen: 37.41 ug/L
RT: 12.504 min Scan# 2168
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:146 Resp: 82024

Ion	Ratio	Lower	Upper
146	100		
111	37.9	31.4	47.0
148	63.2	50.7	76.1

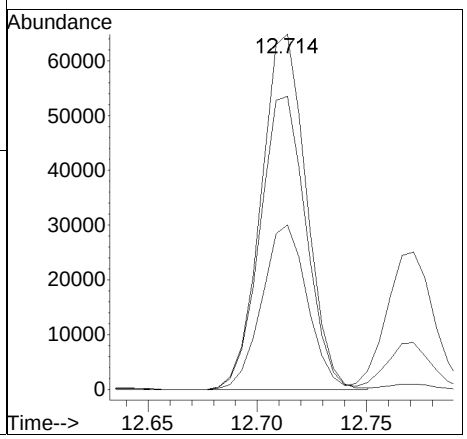


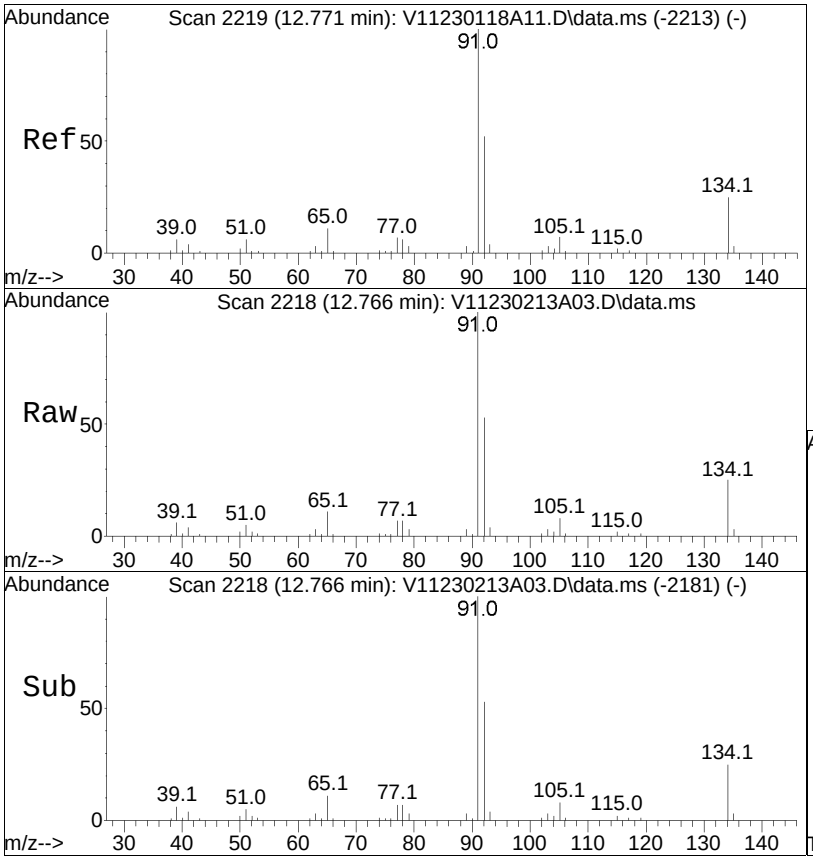


#102
p-Diethylbenzene
Concen: 40.45 ug/L
RT: 12.714 min Scan# 2208
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:119 Resp: 93508

Ion	Ratio	Lower	Upper
119	100		
105	84.0	54.5	113.3
134	46.3	29.9	62.1

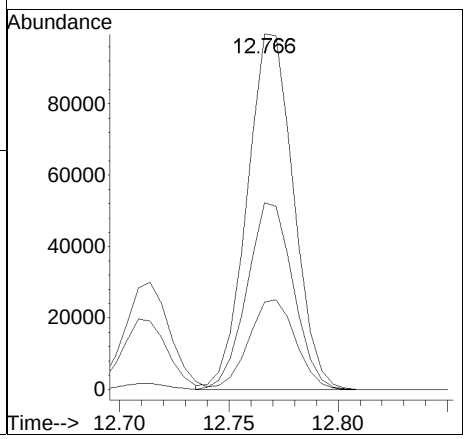


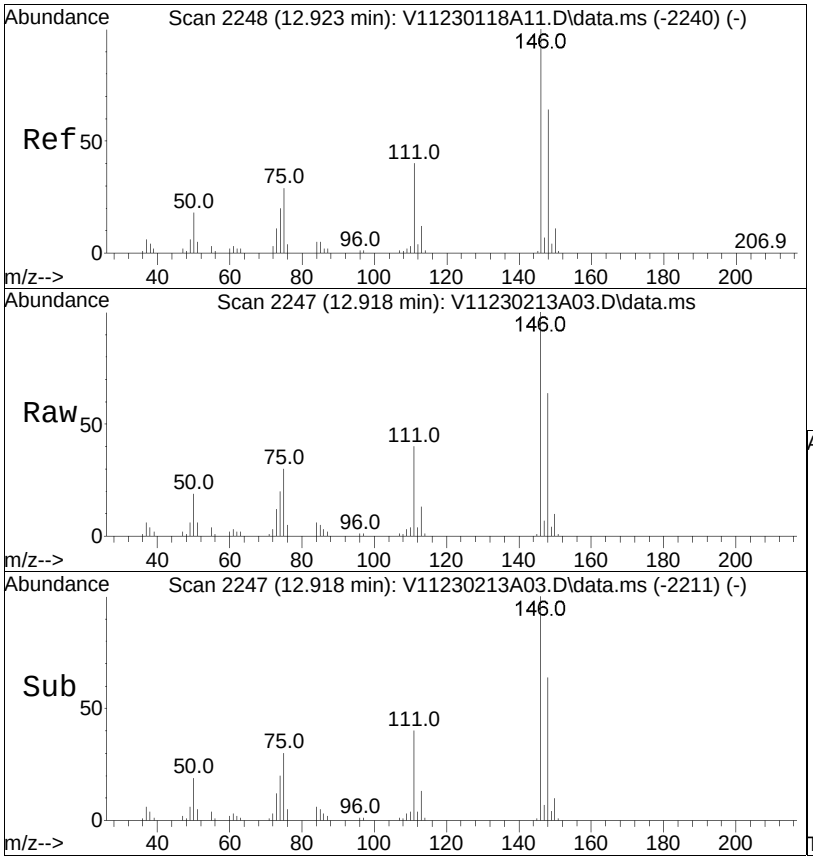


#103
n-Butylbenzene
Concen: 41.43 ug/L
RT: 12.766 min Scan# 2218
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion: 91 Resp: 147106

Ion	Ratio	Lower	Upper
91	100		
92	52.3	43.3	64.9
134	25.4	21.4	32.0

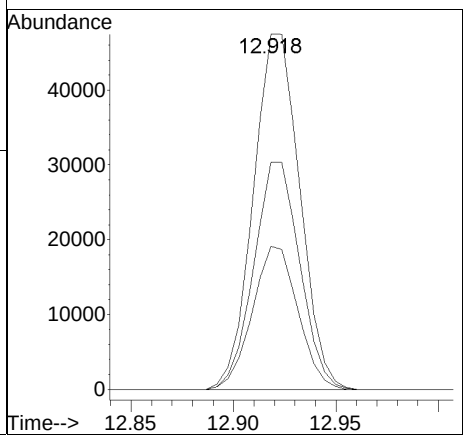


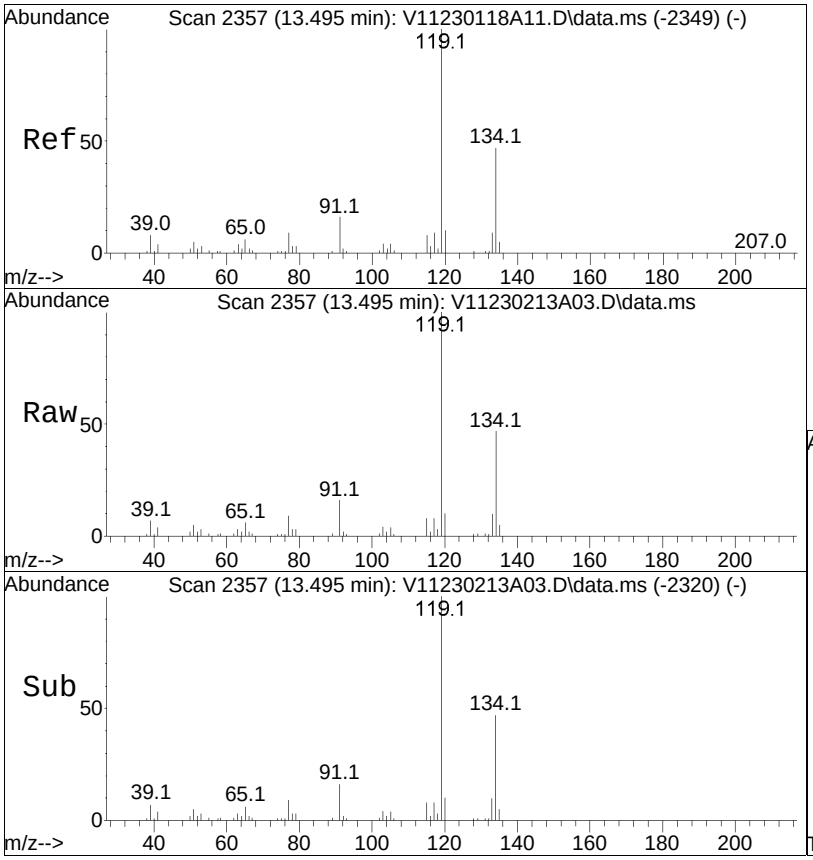


#104
1,2-Dichlorobenzene
Concen: 37.11 ug/L
RT: 12.918 min Scan# 2247
Delta R.T. -0.011 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:146 Resp: 74959

Ion	Ratio	Lower	Upper
146	100		
111	39.5	26.9	55.9
148	63.2	41.2	85.6

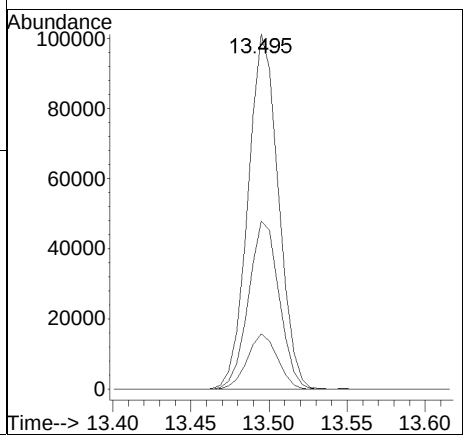


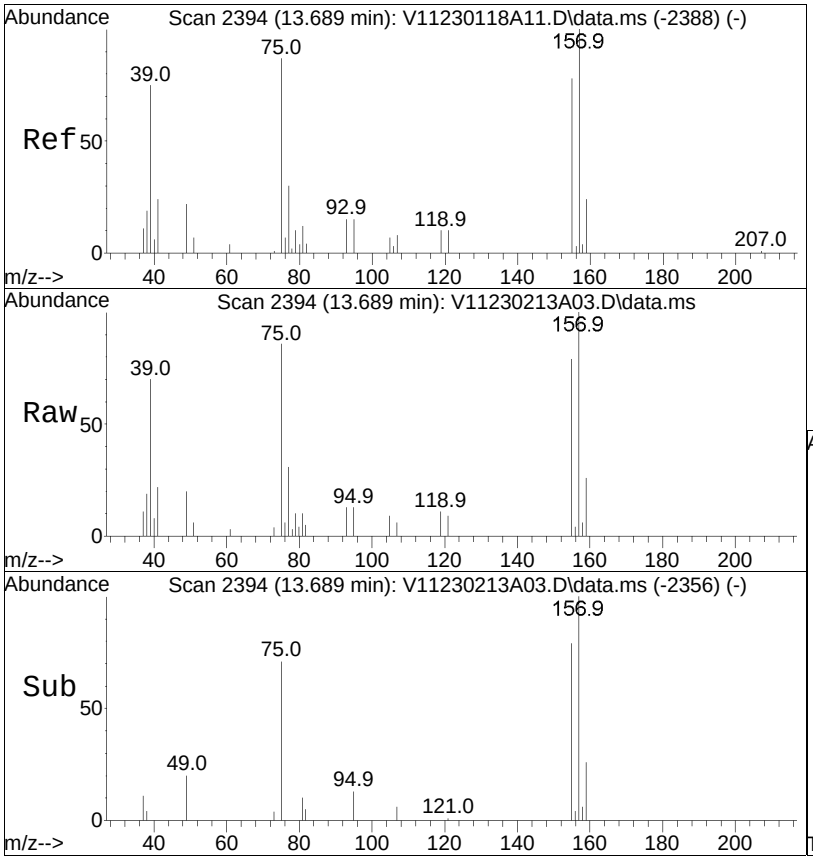


#105
1,2,4,5-Tetramethylbenzene
Concen: 38.10 ug/L
RT: 13.495 min Scan# 2357
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:119 Resp: 137544

Ion	Ratio	Lower	Upper
119	100		
134	47.8	31.1	64.5
91	15.5	10.4	21.6

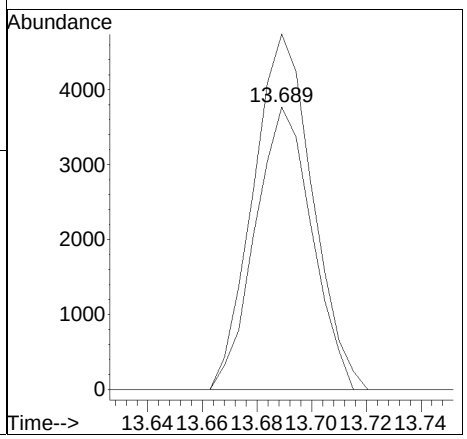


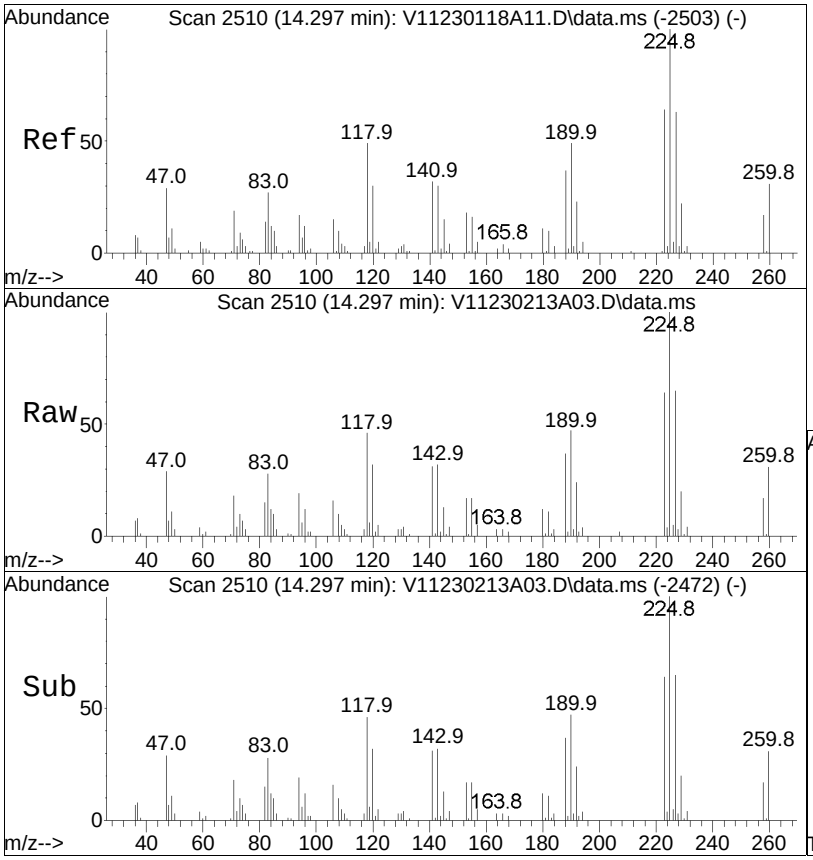


#106
1,2-Dibromo-3-chloropropane
Concen: 35.44 ug/L
RT: 13.689 min Scan# 2394
Delta R.T. -0.000 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:155 Resp: 5428

Ion	Ratio	Lower	Upper
155	100		
157	131.9	100.0	150.0

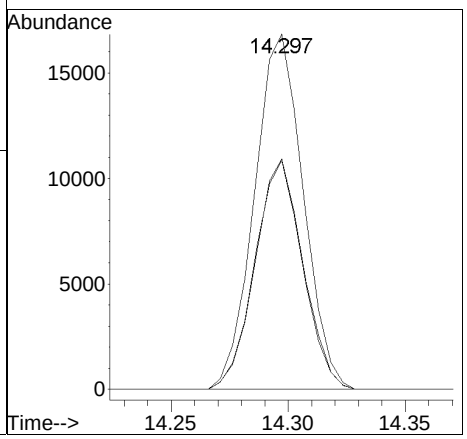


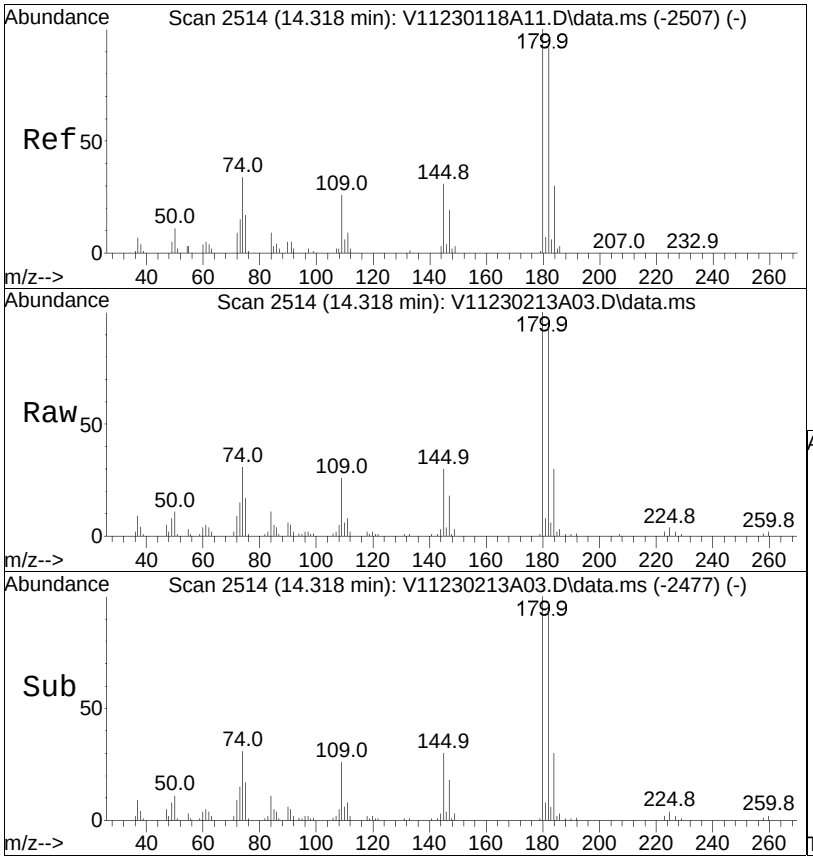


#108
Hexachlorobutadiene
Concen: 38.92 ug/L
RT: 14.297 min Scan# 2510
Delta R.T. 0.000 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:225 Resp: 24398

Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.9	74.9
227	63.4	50.6	75.8

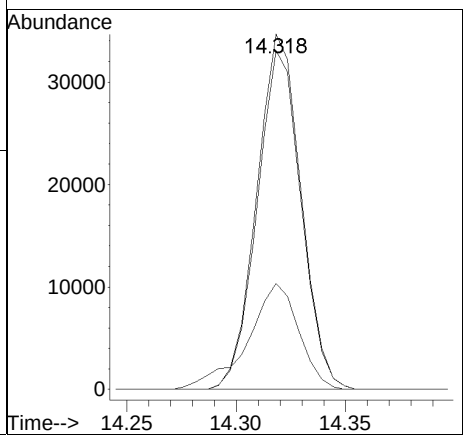


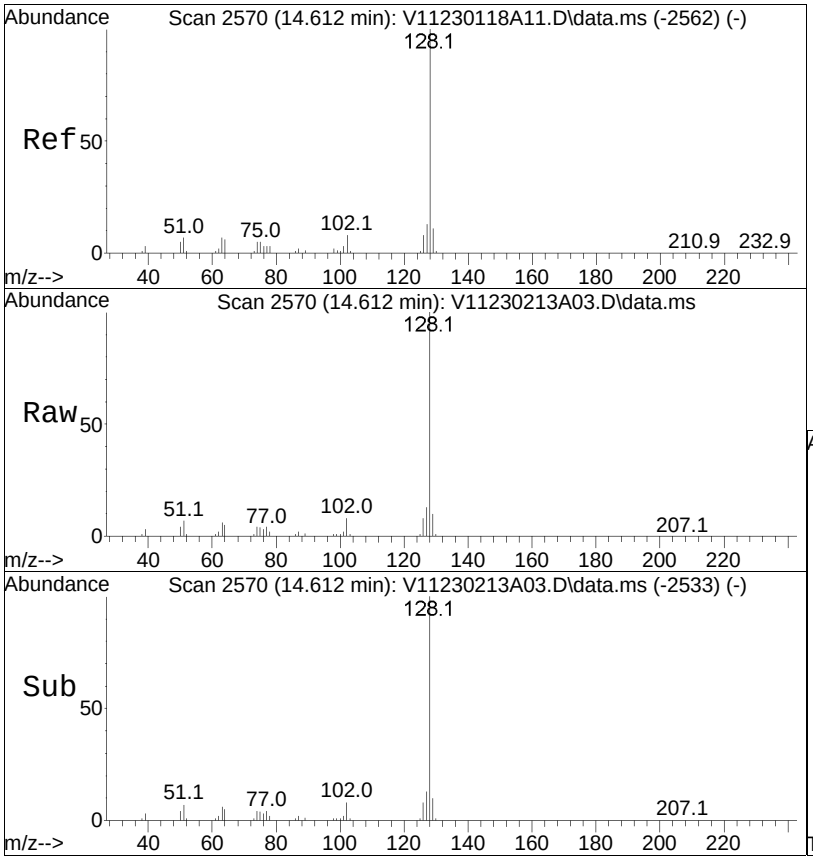


#109
1,2,4-Trichlorobenzene
Concen: 38.34 ug/L
RT: 14.318 min Scan# 2514
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:180 Resp: 48838

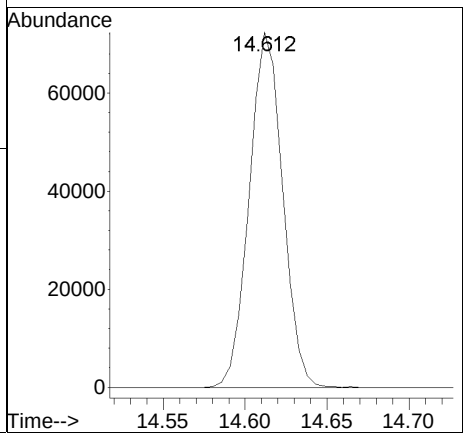
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.6
145	34.4	29.6	44.4

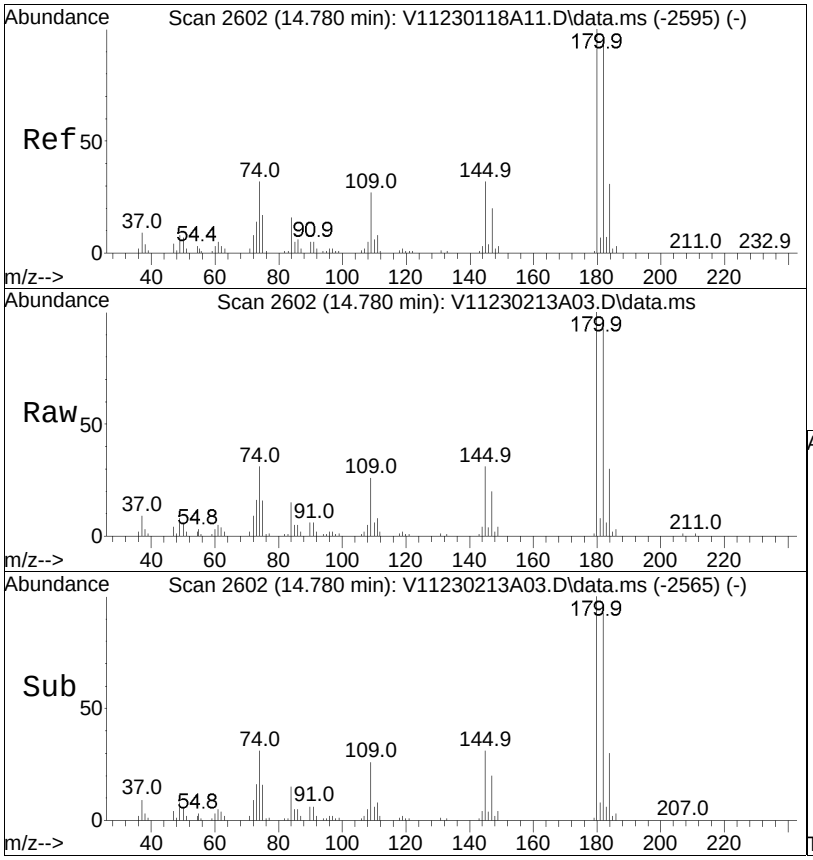




#110
Naphthalene
Concen: 37.51 ug/L
RT: 14.612 min Scan# 2570
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:128 Resp: 102708

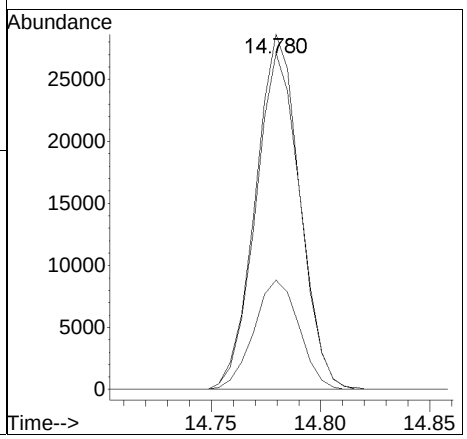




#111
1,2,3-Trichlorobenzene
Concen: 38.07 ug/L
RT: 14.780 min Scan# 2602
Delta R.T. -0.005 min
Lab File: V11230213A03.D
Acq: 13 Feb 2023 08:23 am

Tgt Ion:180 Resp: 40479

Ion	Ratio	Lower	Upper
180	100		
182	94.8	74.2	111.4
145	31.3	26.3	39.5



Manual Integration Report

Data Path	: I:\VOLATILES\VOA111\2023\2	QMethod	: V111_230118_8260.m
Data File	: V11230213A03.D	Operator	: VOA111:AJK
Date Inj'd	: 2/13/2023 8:23 am	Instrument	: VOA111
Sample	: WG1744281-4,31,5,5	Quant Date	: 2/13/2023 9:12 am

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

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)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Feb 15 2023, 11:35 am

Work Group: WG1742861 for Department: 31 GC/MS - Volatiles

Created: 09-FEB-23 Due: Operator: KJD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2306704-04	FIELD BLANK	S	NYTCL-8260	WATER	DONE	U	0221	0215	S0	Vial-B
L2306704-05	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	0220	0215	S0	Vial-B
L2306837-02	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	0222	0222	S0	Vial-B
L2306838-04	FIELD BLANK	S	NYTCL-8260	WATER	DONE	U	0222	0215	S0	Vial-B
L2306838-05	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	0222	0215	S0	Vial-B
L2306908-15	TRIPBLANK01 _20230208	S	NYTCL-8260	WATER	DONE	U	0222	0214	S0	Vial-B
WG1742861-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG1742861-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG1742861-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG1742861-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG1742861-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				

Comments:

WG1742861-4 WG1742861-3

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Feb 15 2023, 11:35 am

Work Group: WG1743940 for Department: 31 GC/MS - Volatiles

Created: 13-FEB-23 Due: Operator: AJK

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2306831-01	B-02 (4.5')	S	NYTCL-8260HLW	SOIL	DONE	U	0222	0215	S0	8260SET
L2306831-02	B-02 (5')	S	NYTCL-8260HLW	SOIL	DONE	U	0222	0215	S0	8260SET
L2306831-03	B-02 (9.5')	S	NYTCL-8260HLW	SOIL	DONE	U	0222	0215	S0	8260SET
L2306831-04	B-02 (10')	S	NYTCL-8260HLW	SOIL	DONE	U	0222	0215	S0	8260SET
L2306831-05	B-02 (14.5')	S	NYTCL-8260HLW	SOIL	SEC	U	0222	0215	S0	8260SET
L2306838-01	PX-SE	S	NYTCL-8260HLW	SOIL	DONE	U	0222	0215	S0	8260SET
L2306838-03	PX-SW	S	NYTCL-8260HLW	SOIL	DONE	U	0222	0215	S0	8260SET
L2306908-03	LSB17_0-2	C	NYTCL-8260HLW	SOIL	DONE	U	0222	0214	S0	8260SET
L2306908-05	LSB4A_4-6	C	NYTCL-8260HLW	SOIL	DONE	U	0222	0214	S0	8260SET
L2306908-07	LSB18_4-6	C	NYTCL-8260HLW	SOIL	DONE	U	0222	0214	S0	8260SET
L2306908-08	LSB20_0-2	C	NYTCL-8260HLW	SOIL	DONE	U	0222	0214	S0	8260SET
L2306908-09	LSB20_6-8	C	NYTCL-8260HLW	SOIL	DONE	U	0222	0214	S0	8260SET
L2306908-10	LSB17_4-6	C	NYTCL-8260HLW	SOIL	DONE	U	0222	0214	S0	8260SET
L2306908-14	LSB21_4-6	C	NYTCL-8260HLW	SOIL	DONE	U	0222	0214	S0	8260SET
WG1743940-1	MS BFB Tune Standard	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1743940-2	Continuing Calibrati	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1743940-3	Laboratory Control S	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1743940-4	LCS Duplicate	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1743940-5	Laboratory Method Bl	S	NYTCL-8260HLW	SOIL	DONE	U				

Comments:

WG1743940-4 WG1743940-3

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Feb 15 2023, 11:35 am

Work Group: WG1744281 for Department: 31 GC/MS - Volatiles

Created: 14-FEB-23 Due: Operator: jic

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2306831-06	B-02 (15')	S	NYTCL-8260HLW	SOIL	DONE	U	0222	0215	S0	8260SET
L2306838-02	PX-S	S	NYTCL-8260HLW	SOIL	DONE	U	0222	0215	S0	8260SET
L2306908-13	LSB21_0-2	C	NYTCL-8260HLW	SOIL	DONE	U	0222	0214	S0	8260SET
L2307469-01	EP-29	S	NYTCL-8260HLW	SOIL	DONE	U	0224	0215	1C	8260SET
L2307531-03	LSB10_0-2	C	NYTCL-8260HLW	SOIL	SEC	U	0224	0216	S0	8260SET
L2307531-04	LSB10_6-8	C	NYTCL-8260HLW	SOIL	SEC	U	0224	0216	S0	8260SET
L2307531-06	LSB8A_4-6	C	NYTCL-8260HLW	SOIL	SEC	U	0224	0216	S0	8260SET
L2307531-07	LSB8A_6-8	S	NYTCL-8260HLW	SOIL	SEC	U	0224	0216	S0	8260SET
L2307531-08	DUP01_20230210	C	NYTCL-8260HLW	SOIL	SEC	U	0224	0216	S0	8260SET
L2307531-09	LSB27_0-2	C	NYTCL-8260HLW	SOIL	SEC	U	0224	0216	S0	8260SET
L2307531-10	LSB27_6-8	C	NYTCL-8260HLW	SOIL	SEC	U	0224	0216	S0	8260SET
L2307532-01	LSB3A_70-72	C	NYTCL-8260HLW	SOIL	SENT	U	0224	0216	S0	8260SET
L2307563-01	T14-SW-E-11'	S	NYTCL-8260HLW-R2	SOIL	DONE	U	0224	0215	3C	8260SET
L2307563-02	T15-SW-E-11'	S	NYTCL-8260HLW-R2	SOIL	DONE	U	0224	0215	3C	8260SET
WG1744281-1	MS BFB Tune Standard	S	NYTCL-8260HLW-R2	SOIL	DACQ	U				
WG1744281-1	MS BFB Tune Standard	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1744281-2	Continuing Calibrati	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1744281-2	Continuing Calibrati	S	NYTCL-8260HLW-R2	SOIL	DACQ	U				
WG1744281-3	Laboratory Control S	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1744281-3	Laboratory Control S	S	NYTCL-8260HLW-R2	SOIL	DACQ	U				
WG1744281-4	LCS Duplicate	S	NYTCL-8260HLW-R2	SOIL	DACQ	U				
WG1744281-4	LCS Duplicate	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1744281-5	Laboratory Method Bl	S	NYTCL-8260HLW-R2	SOIL	DACQ	U				
WG1744281-5	Laboratory Method Bl	S	NYTCL-8260HLW	SOIL	DONE	U				

Comments:

WG1744281-4 WG1744281-3

Inst: VOA101 BFB: V9424 Method GC: 8260

Initials: PID IS/SS: V9428 Autosampler: 8260water

Date: **12/16/22** ICAL: V9423B,V9425 Concentrator: 8260water

Run: **A** ICV: V9434,V9416,V9417,V9395,V9418,V9419 QC: _____ Seq:

Vial	DATA FILE	SAMPLE	pH<2
1	V01221216ABF1	BFB TUNE 12:02	
1	V01221216A01	BLK	
2	V01221216A02	I8260STD0.19PPB	
3	V01221216A03	I8260STD0.5PPB	
4	V01221216A04	I8260STD0.5PPB	
5	V01221216A05	I8260STD2PPB	
6	V01221216A06	I8260STD2PPB	
7	V01221216A07	I8260STD10PPB	
8	V01221216A08	I8260STD30PPB	
9	V01221216A09	I8260STD80PPB	
10	V01221216A10	I8260STD120PPB	
11	V01221216A11	I8260STD200PPB	
12	V01221216A12	BLK	
13	V01221216A13	BLK	
14	V01221216A14	BLK	
15	V01221216A15	BLK	
16	V01221216A16	BLK	
17	V01221216A17	C8260STD10PPB	
18	V01221216A18	C8260STD10PPB	
19	V01221216A19	BLK	
20	V01221216A20	BLK	
21	V01221216A21	MDL METHOD BLK	
22	V01221216A22	MDL L11	
23	V01221216A23	MDL L11	
24	V01221216A24	MDL L1	
25	V01221216A25	MDL L1	
26	V01221216A26	MDL L2	
27	V01221216A27	MDL L2	
28	V01221216A28	BLK	

Inst: VOA111 BFB V9469 Method GC: 8260_

nitials: NLK IS/SS: V9476 Autosampler: 8260soi

Date: **01/18/23** ICAL: V9480,V9452D Concentrator: 8260_

Run: **A** ICV: V9485,V9471,V9472,V9450,V9473,V9474 QC:_____ Seq:_____

Vial	Data File	Sample
1	V11230118ABF1	BFB
1	V11230118A01	BLK
2	V11230118A02	BLK
3	V11230118A03	I8260STD0.5PPB
4	V11230118A04	I8260STD0.5PPB
5	V11230118A05	I8260STD1PPB
6	V11230118A06	I8260STD1PPB
7	V11230118A07	I8260STD2PPB
8	V11230118A08	I8260STD2PPB
9	V11230118A09	I8260STD4PPB
10	V11230118A10	I8260STD20PPB
11	V11230118A11	I8260STD40PPB
12	V11230118A12	I8260STD100PPB
13	V11230118A13	I8260STD200PPB
14	V11230118A14	I8260STD300PPB
15	V11230118A15	BLK
16	V11230118A16	BLK
17	V11230118A17	BLK
18	V11230118A18	BLK
19	V11230118A19	C8260STD40PPB
20	V11230118A20	C8260STD40PPB
21	V11230118A21	BLK
22	V11230118A22	BLK
23	V11230118A23	MDL 0.5PPB
24	V11230118A24	MDL 1.0PPB
	V11230118A25	MDL 4.0PPB

Inst: VOA101 BFB: V9518 Method GC: 8260
Initials: PID IS/SS: V9507 Autosampler: 8260water
Date: **02/09/23** ICAL: V9519A,V9513 Concentrator: 8260water
Run: **A** QC: _____ Seq:

Vial	DATA FILE	SAMPLE			
					pH<2
1	V01230209ABF1	BFB TUNE 06:31			
1	V01230209A01	8260 CCAL LCS			
2	V01230209A02	8260 CCAL LCSD			
3	V01230209A03	8260 CCAL			
4	V01230209A04	BLK			
5	V01230209A05	METHOD BLK			
6	V01230209A06	L2306723-08,31,10,10,,A	PA8260	FB	pH<2
7	V01230209A07	L2306723-09,31,10,10,,A	PA8260	TB	pH<2
8	V01230209A08	L2306723-10,31,10,10,,A	PA8260	TB	pH<2
9	V01230209A09	L2306801-01,31,10,10,,A,R1C	PA/124TCB		pH<2
10	V01230209A10	L2306801-02,31,10,10,,A,R1C	PA/124TCB		pH<2
11	V01230209A11	L2306908-15,31,10,10,,A,PRI	NYCURVE	TB	pH<2
12	V01230209A12	L2306704-04,31,10,10,,A,PRI	NYTCL/10	FB	pH<2
13	V01230209A13	L2306704-05,31,10,10,,A,PRI	NYTCL/10	TB	pH<2
14	V01230209A14	L2306837-02,31,10,10,,A,PRI	NYTCL/10	TB	pH<2
15	V01230209A15	L2306838-04,31,10,10,,A	NYTCL	FB	pH<2
16	V01230209A16	L2306838-05,31,10,10,,A	NYTCL	TB	pH<2
17	V01230209A17	L2306647-11,31,10,10,,A	PA/BTEX,MTBE,IPB,NAPH	TB	pH<2
18	V01230209A18	L2306647-01,31,10,10,,A	PA/BTEX,MTBE,IPB,NAPH		pH<2
19	V01230209A19	L2306647-02,31,10,10,,A	PA/BTEX,MTBE,IPB,NAPH		pH<2
20	V01230209A20	L2306647-03,31,10,10,,A	PA/BTEX,MTBE,IPB,NAPH		pH<2
21	V01230209A21	L2306647-04,31,10,10,,A	PA/BTEX,MTBE,IPB,NAPH		pH<2
22	V01230209A22	L2306647-05,31,10,10,,A	PA/BTEX,MTBE,IPB,NAPH		pH<2
23	V01230209A23	L2306647-06,31,10,10,,A	PA/BTEX,MTBE,IPB,NAPH		pH<2
24	V01230209A24	L2306647-07,31,10,10,,A	PA/BTEX,MTBE,IPB,NAPH		pH<2
25	V01230209A25	L2306647-08,31,10,10,,A	PA/BTEX,MTBE,IPB,NAPH		pH<2
26	V01230209A26	HSTD			
27	V01230209A27	BLK			
28	V01230209A28	BLK			

Inst: VOA111 BFB V9518 Method
Initials: TMH IS/SS: V9514 GC: 8260_
Date: **02/10/23** ICAL: V9520,V9491D Autosampler: 8260soi
Run: **A** Concentrator: 8260_
QC:_____ Seq:_____

Vial	Data File	Sample	
1	V11230210ABF1	BFB	
1	V11230210A01	8260 CCAL	
2	V11230210A02	8260 LCS	
3	V11230210A03	8260 LCS	
4	V11230210A04	BLK	
5	V11230210A05	MEOH BLK	
6	V11230210A06	L2306908-01,31H,4.09,5,0.100,,A,PRI	NY/H LG
7	V11230210A07	L2306908-03,31,5.30,5,,C,PRI	NYHLW LG
8	V11230210A08	L2306908-05,31,4.42,5,,C,PRI	NYHLW LG
9	V11230210A09	L2306908-07,31,4.22,5,,B,PRI	NYHLW LG
10	V11230210A10	L2306908-08,31,6.87,5,,B,PRI	NYHLW LG
11	V11230210A11	L2306908-09,31,6.37,5,,B,PRI	NYHLW LG
12	V11230210A12	L2306908-10,31,5.84,5,,B,PRI	NYHLW LG
13	V11230210A13	L2306908-11,31,3.93,5,,B,PRI	NYHLW LG
14	V11230210A14	L2306908-12,31H,4.92,5,0.100,,A,PRI	NY/H LG
15	V11230210A15	L2306908-13,31,5.78,5,,B,PRI	NYHLW LG
16	V11230210A16	L2306908-14,31,5.09,5,,B,PRI	NYHLW LG
17	V11230210A17	L2306831-01,31,4.04,5,,C,PRI	NYHLW
18	V11230210A18	L2306831-02,31,3.45,5,,C,PRI	NYHLW
19	V11230210A19	L2306831-03,31,4.05,5,,C,PRI	NYHLW
20	V11230210A20	L2306831-04,31,3.63,5,,C,PRI	NYHLW
21	V11230210A21	L2306831-05,31,4.39,5,,C,PRI	NYHLW
22	V11230210A22	L2306831-06,31H,1.04,5,0.100,,A,PRI	NY/H
23	V11230210A23	L2306838-01,31,3.80,5,,Y	NYHLW
24	V11230210A24	L2306838-02,31H,2.76,5,0.100,,X	NY/H
25	V11230210A25	L2306838-03,31,4.00,5,,Y	NYHLW
26	V11230210A26	STD	

Inst: VOA111 BFB V9518 Method

nitials: TMH IS/SS: V9514 GC: 8260_

Date: **02/13/23** ICAL: V9520,V9491D Autosampler: 8260soi

Run: **A** Concentrator: 8260_

QC:_____ Seq:_____

Vial	Data File	Sample	
1	V11230213ABF1	BFB	
1	V11230213A01	8260 CCAL	
2	V11230213A02	8260 LCS	
3	V11230213A03	8260 LCS	
4	V11230213A04	BLK	
5	V11230213A05	MEOH BLK	
6	V11230213A06	I2307469-01,31,3.39,5,,y,r1c	NYHLW
7	V11230213A07	I2307563-01,31,8.56,5,,c,r3c	NYHLW CURVE
8	V11230213A08	I2307563-02,31,8.39,5,,c,r3c	NYHLW CURVE
9	V11230213A09	I2307480-01,31h,15.75,15,0.100,,a,r3d	8/H
10	V11230213A10	I2307480-02,31,3.91,5,,c,r3d	8LW
11	V11230213A11	I2307487-01,31,5.10,5,,c,r3d	8LW
12	V11230213A12	I2307531-01,31h,5.01,5,0.100,,a,pri	NY/H LG
13	V11230213A13	I2307531-02,31h,2.88,5,0.100,,a,pri	NY/H LG
14	V11230213A14	I2307531-03,31,6.07,5,,b,pri	NYHLW LG
15	V11230213A15	I2307531-04,31,6.04,5,,b,pri	NYHLW LG
16	V11230213A16	I2307531-06,31,3.80,5,,b,pri	NYHLW LG
17	V11230213A17	I2307531-07,31,6.23,5,,b,pri	NYHLW LG
18	V11230213A18	I2307531-08,31,4.57,5,,b,pri	NYHLW LG
19	V11230213A19	I2307531-09,31,4.42,5,,b,pri	NYHLW LG
20	V11230213A20	I2307531-10,31,6.25,5,,b,pri	NYHLW LG
21	V11230213A21	I2306908-13,31,3.89,5,,c,pri	NYHLW LG^
22	V11230213A22	I2306838-02,31,2.63,5,,z	NYHLW*
23	V11230213A23	I2306831-06,31,3.03,5,,b,pri	NYHLW*
24	V11230213A24	I2307532-01,31,7.04,5,,b,pri	NYHLW LG
25	V11230213A25	STD	

Wet Chemistry

Total Solids / Percent Moisture Analysis

Results

Form 1
WETCHEM

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2306838-01	**Date Collected**	: 02/08/23 09:20
Client ID	: PX-SE	**Date Received**	: 02/08/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/09/23 11:37
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: ROI
Lab File ID	: WG1742556.pdf	**Instrument ID**	: BALANCE#53
Sample Amount	:	**%Solids**	: 91
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total	90.9	0.100	NA	

Form 1
WETCHEM

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2306838-02	**Date Collected**	: 02/08/23 09:40
Client ID	: PX-S	**Date Received**	: 02/08/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/09/23 11:37
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: ROI
Lab File ID	: WG1742556.pdf	**Instrument ID**	: BALANCE#53
Sample Amount	:	**%Solids**	: 79
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**79.0**	**0.100**	**NA**	

Form 1
WETCHEM

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2306838-03	**Date Collected**	: 02/08/23 10:00
Client ID	: PX-SW	**Date Received**	: 02/08/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/09/23 11:37
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: ROI
Lab File ID	: WG1742556.pdf	**Instrument ID**	: BALANCE#53
Sample Amount	:	**%Solids**	: 92
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**92.2**	**0.100**	**NA**	

Form 1
WETCHEM

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1742556-1	**Date Collected**	: 02/02/23 00:00
Client ID	: WG1742556-1 DUP	**Date Received**	: 02/08/23
Sample Location	:	**Date Analyzed**	: 02/09/23 11:37
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: ROI
Lab File ID	: WG1742556.pdf	**Instrument ID**	: BALANCE#53
Sample Amount	:	**%Solids**	: 30
Digestion Method	:	**Date Digested**	:

			%		
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**29.4**	**0.100**	**NA**	

Sample Raw Data

Wet Chemistry Gravimetric ELN

Printed: FEB-09-23 16:53:28

WorkGroup WG1742556
Title Solids, Total
Method SM2540G
Instrumen BALANCE#53

Temp In (C)	105	**Temp In (C)**		**Temp In (C)**		**Temp In (C)**	
Temp Out (C)	105	**Temp Out (C)**		**Temp Out (C)**		**Temp Out (C)**	
Time In	09-FEB-23 11:49	**Time In**		**Time In**		**Time In**	
Time Out	09-FEB-23 16:50	**Time Out**		**Time Out**		**Time Out**	

Sample #	Analysis Date	Analyst	Tare Weight (gm)	Gross Weight (gm)	Net Weight (1) (gm)	Net Weight (2) (gm)	Net Weight (3) (gm)	Net Weight (4) (gm)	Result %	Comment
L2306530-01	09-FEB-23 11:37	ROMANY IBRAHIM	.84	8.6	7.94				91.49	
L2306530-02	09-FEB-23 11:37	ROMANY IBRAHIM	.84	8.53	7.98				92.85	
L2306530-03	09-FEB-23 11:37	ROMANY IBRAHIM	.84	8.42	7.91				93.27	
L2306530-04	09-FEB-23 11:37	ROMANY IBRAHIM	.84	8.4	7.84				92.59	
L2306530-05	09-FEB-23 11:37	ROMANY IBRAHIM	.83	8.58	7.92				91.48	
L2306530-06	09-FEB-23 11:37	ROMANY IBRAHIM	.81	8.62	7.99				91.93	
L2306530-07	09-FEB-23 11:37	ROMANY IBRAHIM	.83	8.51	7.89				91.93	
L2306530-08	09-FEB-23 11:37	ROMANY IBRAHIM	.83	8.26	7.58				90.85	
L2306530-09	09-FEB-23 11:37	ROMANY IBRAHIM	.85	8.39	7.82				92.44	
L2306682-08	09-FEB-23 11:37	ROMANY IBRAHIM	.83	8.34	3.05				29.56	
L2306756-01	09-FEB-23 11:37	ROMANY IBRAHIM	.85	8.34	4.13				43.79	
L2306756-02	09-FEB-23 11:37	ROMANY IBRAHIM	.85	8.85	7.9				88.13	
L2306756-03	09-FEB-23 11:37	ROMANY IBRAHIM	.84	8.27	7.64				91.52	
L2306756-04	09-FEB-23 11:37	ROMANY IBRAHIM	.83	8.3	7.07				83.53	
L2306756-05	09-FEB-23 11:37	ROMANY IBRAHIM	.84	8.34	7.9				94.13	
L2306756-06	09-FEB-23 11:37	ROMANY IBRAHIM	.83	8.29	6.14				71.18	
L2306838-01	09-FEB-23 11:37	ROMANY IBRAHIM	.85	8.87	8.14				90.90	
L2306838-02	09-FEB-23 11:37	ROMANY IBRAHIM	.84	8.63	6.99				78.95	
L2306838-03	09-FEB-23 11:37	ROMANY IBRAHIM	.82	8.13	7.56				92.20	
WG1742556-1	09-FEB-23 11:37	ROMANY IBRAHIM	.84	8.32	3.04				29.41	

Quality Control

Form 6
Lab Duplicates

Client	: Environmental Compliance & Control,	**Lab Number**	: L2306838
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Client Sample ID	: NA	**Matrix**	: SLUDGE
Lab Sample ID	: NA	**Analysis Date**	: 02/09/23 11:37
Dup Sample ID	: WG1742556-1	**DUP Analysis Date**	: 02/09/23 11:37

Parameter	Sample Concentration (%)	Duplicate Concentration (%)	RPD	RPD Limit
Solids, Total	29.6	29.4	1	20

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Alpha Analytical

Laboratory Code: 11148

SDG Number: L2308387

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Project Name: BRIDGE CLEANERS
Project Number: BRIDGE CLEANERS

Lab Number: L2308387
Report Date: 02/23/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2308387-01	PX-E	SOIL	QUEENS, NY	02/15/23 15:00	02/16/23
L2308387-02	FIELD BLANK	WATER	QUEENS, NY	02/15/23 15:15	02/16/23
L2308387-03	TRIP BLANK	WATER	QUEENS, NY	02/15/23 00:00	02/16/23

Case Narrative

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

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

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

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

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

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

Case Narrative (continued)

Report Submission

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

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: Melissa Sturgis Report Date: 02/23/23

Title: Technical Director/Representative

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: 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).

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

Volatile Organics Instruments

Volatile Organics:

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

Volatile Organics: VPH

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

Volatile Organics: PIANO

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

Volatile Organics: Dissolved Gas

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

Volatile Organics in Air Instruments

Volatile Organics in Air:

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

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

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

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

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

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

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

Pesticides/PCB/Herbicides:

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

Petroleum/EPH:

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

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

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

Semivolatile Organics (8270):

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

Semivolatile Organics (8270 SIM):

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

Semivolatile Organics (1,4-Dioxane):

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

Semivolatile Organics (209 Congener):

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

Semivolatile Organics (8081):

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

Semivolatile Organics (8082):

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

Semivolatile Organics (SHC Extractables):

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

Sample Delivery Group Summary

Alpha Job Number : L2308387

Account Name : Environmental Compliance & Control,
Project Number : BRIDGE CLEANERS
Project Name : BRIDGE CLEANERS

Received : 16-FEB-2023
Reviewer : Wendy Morency

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.5	

Condition Information

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

Volatile Organics/VPH

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

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Feb 23 2023, 12:53 pm

Login Number: L2308387
Account: ECCHORIZON Environmental Compliance & Control, Inc.Project: BRIDGE CLEANERS
Received: 16FEB23 Due Date: 23FEB23

Sample #	Client ID	Mat	PR	Collected
L2308387-01	PX-E	3	S0	15FEB23 15:00
| ASP-B Package Due Date: 02/23/23				
ASP-B,E&I-FEE,NYTCL-8260HLW,TS				
L2308387-02	FIELD BLANK	1	S0	15FEB23 15:15
| Package Due Date: 02/23/23				
NYTCL-8260				
L2308387-03	TRIP BLANK	1	S0	15FEB23 00:00
| Package Due Date: 02/23/23				
NYTCL-8260				

Logged By: Ashaley Moynihan

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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: 2/16/23

ALPHA Job #: L2308387

Client Information
Client: ECC Horizon
Address: One Emery Ave unit 2, Randolph NJ 07869
Phone: Cell 201-552-0224
Fax:
Email: NKrasnecky@eccHorizon.com

Project Information
Project Name: Bridge Cleaners
Project Location: Queens NY
Project #: Bridge Cleaners
(Use Project name as Project #) ☒
Project Manager: Nick Krasnecky
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 # Bridge Cleaners

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
EPA 8260D
Total Solids

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	EPA 8260D	Total Solids	Sample Specific Comments	Total Bottle
08387-01	PX-E	2-15-2023	1500	Soil	MGH	✓	✓		
-02	Field Blank	2-15-2023	1515	Water	MGH	✓			
-03	Trip Blank	2-14-2023	—	Water	—	✓			

Container Type: V P
Preservative: B B 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
	2-16-2023 955		2/16/23 1100
	2/16/23 1420		2/16/23 1600
	2/16/23 2300		2/16/23 23:00

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: Environmental Compliance & Control, Inc.
Project Name: BRIDGE CLEANERS

Lab Number: L2308387
Project Number: BRIDGE CLEANERS
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
FIELD BLANK (L2308387-02)	110	101	101	102	0
TRIP BLANK (L2308387-03)	110	101	99	98	0
WG1746138-3LCS	109	103	103	99	0
WG1746138-4LCSD	110	104	100	99	0
WG1746138-5BLANK	107	102	101	99	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

Surrogate Recovery Summary
Form 2
Volatiles

Client: Environmental Compliance & Control, Inc.
Project Name: BRIDGE CLEANERS

Lab Number: L2308387
Project Number: BRIDGE CLEANERS
Matrix: Soil

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
PX-E (L2308387-01)	122	100	98	96	0
WG1747023-3LCS	107	103	100	97	0
WG1747023-4LCSD	108	102	99	97	0
WG1747023-5BLANK	116	104	99	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	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: WATER		
LCS Sample ID	: WG1746138-3 **Analysis Date** : 02/17/23 07:40	**File ID**	: VG230217A01
LCSD Sample ID	: WG1746138-4 **Analysis Date** : 02/17/23 08:06	**File ID**	: VG230217A02

	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	9.3	93	10	10	100	7	70-130	20
1,1-Dichloroethane	10	10	100	10	11	110	10	70-130	20
Chloroform	10	9.5	95	10	11	110	15	70-130	20
Carbon tetrachloride	10	8.7	87	10	9.7	97	11	63-132	20
1,2-Dichloropropane	10	10	100	10	11	110	10	70-130	20
Dibromochloromethane	10	9.3	93	10	10	100	7	63-130	20
1,1,2-Trichloroethane	10	9.3	93	10	10	100	7	70-130	20
Tetrachloroethene	10	9.0	90	10	9.9	99	10	70-130	20
Chlorobenzene	10	9.9	99	10	11	110	11	75-130	20
Trichlorofluoromethane	10	8.3	83	10	9.5	95	13	62-150	20
1,2-Dichloroethane	10	9.7	97	10	11	110	13	70-130	20
1,1,1-Trichloroethane	10	9.0	90	10	10	100	11	67-130	20
Bromodichloromethane	10	9.2	92	10	10	100	8	67-130	20
trans-1,3-Dichloropropene	10	9.6	96	10	10	100	4	70-130	20
cis-1,3-Dichloropropene	10	9.1	91	10	10	100	9	70-130	20
1,1-Dichloropropene	10	9.4	94	10	10	100	6	70-130	20
Bromoform	10	9.2	92	10	10	100	8	54-136	20
1,1,2,2-Tetrachloroethane	10	10	100	10	12	120	18	67-130	20
Benzene	10	9.6	96	10	11	110	14	70-130	20
Toluene	10	9.7	97	10	11	110	13	70-130	20
Ethylbenzene	10	9.7	97	10	11	110	13	70-130	20
Chloromethane	10	10	100	10	11	110	10	64-130	20
Bromomethane	10	6.6	66	10	8.2	82	22 Q	39-139	20
Vinyl chloride	10	9.7	97	10	11	110	13	55-140	20
Chloroethane	10	14	140 Q	10	13	130	7	55-138	20
1,1-Dichloroethene	10	8.8	88	10	9.6	96	9	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: WATER		
LCS Sample ID	: WG1746138-3 **Analysis Date** : 02/17/23 07:40	**File ID**	: VG230217A01
LCSD Sample ID	: WG1746138-4 **Analysis Date** : 02/17/23 08:06	**File ID**	: VG230217A02

	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	9.1	91	10	10	100	9	70-130	20
Trichloroethene	10	8.5	85	10	9.6	96	12	70-130	20
1,2-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
1,3-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
1,4-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
Methyl tert butyl ether	10	8.3	83	10	10	100	19	63-130	20
p/m-Xylene	20	19	95	20	21	105	10	70-130	20
o-Xylene	20	19	95	20	21	105	10	70-130	20
cis-1,2-Dichloroethene	10	9.1	91	10	9.9	99	8	70-130	20
Dibromomethane	10	9.5	95	10	11	110	15	70-130	20
1,2,3-Trichloropropane	10	10	100	10	12	120	18	64-130	20
Acrylonitrile	10	8.7	87	10	11	110	23 Q	70-130	20
Styrene	20	20	100	20	22	110	10	70-130	20
Dichlorodifluoromethane	10	8.5	85	10	9.4	94	10	36-147	20
Acetone	10	8.9	89	10	11	110	21 Q	58-148	20
Carbon disulfide	10	12	120	10	13	130	8	51-130	20
2-Butanone	10	7.9	79	10	10	100	23 Q	63-138	20
Vinyl acetate	10	10	100	10	12	120	18	70-130	20
4-Methyl-2-pentanone	10	7.9	79	10	10	100	23 Q	59-130	20
2-Hexanone	10	8.3	83	10	10	100	19	57-130	20
Bromochloromethane	10	9.3	93	10	10	100	7	70-130	20
2,2-Dichloropropane	10	9.5	95	10	10	100	5	63-133	20
1,2-Dibromoethane	10	9.2	92	10	10	100	8	70-130	20
1,3-Dichloropropane	10	9.9	99	10	11	110	11	70-130	20
1,1,1,2-Tetrachloroethane	10	9.4	94	10	10	100	6	64-130	20
Bromobenzene	10	9.8	98	10	10	100	2	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: WATER		
LCS Sample ID	: WG1746138-3 **Analysis Date** : 02/17/23 07:40	**File ID**	: VG230217A01
LCSD Sample ID	: WG1746138-4 **Analysis Date** : 02/17/23 08:06	**File ID**	: VG230217A02

	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	9.9	99		10	11	110	11	53-136	20
sec-Butylbenzene	10	9.9	99		10	11	110	11	70-130	20
tert-Butylbenzene	10	9.6	96		10	10	100	4	70-130	20
o-Chlorotoluene	10	11	110		10	12	120	9	70-130	20
p-Chlorotoluene	10	10	100		10	11	110	10	70-130	20
1,2-Dibromo-3-chloropropane	10	7.6	76		10	9.9	99	26 Q	41-144	20
Hexachlorobutadiene	10	8.4	84		10	9.8	98	15	63-130	20
Isopropylbenzene	10	9.7	97		10	11	110	13	70-130	20
p-Isopropyltoluene	10	9.6	96		10	11	110	14	70-130	20
Naphthalene	10	5.8	58	Q	10	8.5	85	38 Q	70-130	20
n-Propylbenzene	10	10	100		10	11	110	10	69-130	20
1,2,3-Trichlorobenzene	10	7.3	73		10	9.6	96	27 Q	70-130	20
1,2,4-Trichlorobenzene	10	7.8	78		10	9.8	98	23 Q	70-130	20
1,3,5-Trimethylbenzene	10	10	100		10	11	110	10	64-130	20
1,2,4-Trimethylbenzene	10	9.8	98		10	11	110	12	70-130	20
1,4-Dioxane	500	450	90		500	590	118	27 Q	56-162	20
p-Diethylbenzene	10	9.1	91		10	10	100	9	70-130	20
p-Ethyltoluene	10	10	100		10	11	110	10	70-130	20
1,2,4,5-Tetramethylbenzene	10	7.7	77		10	9.2	92	18	70-130	20
Ethyl ether	10	9.6	96		10	11	110	14	59-134	20
trans-1,4-Dichloro-2-butene	10	6.2	62	Q	10	7.9	79	24 Q	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1747023-3 **Analysis Date** : 02/20/23 09:25	**File ID**	: V29230220A02
LCSD Sample ID	: WG1747023-4 **Analysis Date** : 02/20/23 09:45	**File ID**	: V29230220A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	40	39	96	40	40	100	4	70-130	30
1,1-Dichloroethane	40	42	105	40	43	108	3	70-130	30
Chloroform	40	40	101	40	41	102	1	70-130	30
Carbon tetrachloride	40	38	95	40	39	98	3	70-130	30
1,2-Dichloropropane	40	43	107	40	44	110	3	70-130	30
Dibromochloromethane	40	42	104	40	43	108	4	70-130	30
1,1,2-Trichloroethane	40	44	110	40	46	114	4	70-130	30
Tetrachloroethene	40	42	104	40	42	104	0	70-130	30
Chlorobenzene	40	42	106	40	43	108	2	70-130	30
Trichlorofluoromethane	40	35	87	40	34	85	2	70-139	30
1,2-Dichloroethane	40	46	116	40	47	119	3	70-130	30
1,1,1-Trichloroethane	40	40	100	40	40	101	1	70-130	30
Bromodichloromethane	40	42	105	40	44	109	4	70-130	30
trans-1,3-Dichloropropene	40	44	109	40	45	113	4	70-130	30
cis-1,3-Dichloropropene	40	42	104	40	43	106	2	70-130	30
1,1-Dichloropropene	40	40	101	40	41	102	1	70-130	30
Bromoform	40	41	103	40	43	106	3	70-130	30
1,1,2,2-Tetrachloroethane	40	42	104	40	42	104	0	70-130	30
Benzene	40	40	101	40	41	102	1	70-130	30
Toluene	40	41	103	40	42	105	2	70-130	30
Ethylbenzene	40	42	106	40	43	108	2	70-130	30
Chloromethane	40	35	86	40	35	87	1	52-130	30
Bromomethane	40	34	85	40	33	82	4	57-147	30
Vinyl chloride	40	31	78	40	31	78	0	67-130	30
Chloroethane	40	36	90	40	37	92	2	50-151	30
1,1-Dichloroethene	40	36	89	40	35	86	3	65-135	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1747023-3 **Analysis Date** : 02/20/23 09:25	**File ID**	: V29230220A02
LCSD Sample ID	: WG1747023-4 **Analysis Date** : 02/20/23 09:45	**File ID**	: V29230220A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	40	37	93	40	39	98	5	70-130	30
Trichloroethene	40	42	104	40	43	108	4	70-130	30
1,2-Dichlorobenzene	40	43	106	40	44	109	3	70-130	30
1,3-Dichlorobenzene	40	42	106	40	43	108	2	70-130	30
1,4-Dichlorobenzene	40	42	104	40	43	108	4	70-130	30
Methyl tert butyl ether	40	43	106	40	45	112	6	66-130	30
p/m-Xylene	80	84	105	80	85	106	1	70-130	30
o-Xylene	80	87	109	80	88	110	1	70-130	30
cis-1,2-Dichloroethene	40	39	97	40	40	99	2	70-130	30
Dibromomethane	40	42	104	40	43	108	4	70-130	30
Styrene	80	89	111	80	91	114	3	70-130	30
Dichlorodifluoromethane	40	25	63	40	25	63	0	30-146	30
Acetone	40	59	148 Q	40	65	163 Q	10	54-140	30
Carbon disulfide	40	54	135 Q	40	55	136 Q	1	59-130	30
2-Butanone	40	51	127	40	54	135 Q	6	70-130	30
Vinyl acetate	40	41	102	40	39	96	6	70-130	30
4-Methyl-2-pentanone	40	43	108	40	46	114	5	70-130	30
1,2,3-Trichloropropane	40	46	114	40	48	119	4	68-130	30
2-Hexanone	40	48	119	40	51	129	8	70-130	30
Bromochloromethane	40	39	98	40	40	100	2	70-130	30
2,2-Dichloropropane	40	40	99	40	40	100	1	70-130	30
1,2-Dibromoethane	40	43	107	40	44	111	4	70-130	30
1,3-Dichloropropane	40	45	112	40	46	116	4	69-130	30
1,1,1,2-Tetrachloroethane	40	43	107	40	44	110	3	70-130	30
Bromobenzene	40	42	104	40	43	108	4	70-130	30
n-Butylbenzene	40	42	106	40	43	108	2	70-130	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1747023-3 **Analysis Date** : 02/20/23 09:25	**File ID**	: V29230220A02
LCSD Sample ID	: WG1747023-4 **Analysis Date** : 02/20/23 09:45	**File ID**	: V29230220A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
sec-Butylbenzene	40	41	102	40	42	104	2	70-130	30
tert-Butylbenzene	40	41	102	40	42	104	2	70-130	30
o-Chlorotoluene	40	41	103	40	45	113	9	70-130	30
p-Chlorotoluene	40	43	107	40	44	109	2	70-130	30
1,2-Dibromo-3-chloropropane	40	40	101	40	41	103	2	68-130	30
Hexachlorobutadiene	40	40	99	40	43	106	7	67-130	30
Isopropylbenzene	40	42	105	40	43	107	2	70-130	30
p-Isopropyltoluene	40	41	103	40	42	104	1	70-130	30
Naphthalene	40	42	106	40	44	111	5	70-130	30
Acrylonitrile	40	44	110	40	48	119	8	70-130	30
n-Propylbenzene	40	42	105	40	43	108	3	70-130	30
1,2,3-Trichlorobenzene	40	43	108	40	45	112	4	70-130	30
1,2,4-Trichlorobenzene	40	43	107	40	45	113	5	70-130	30
1,3,5-Trimethylbenzene	40	42	105	40	43	106	1	70-130	30
1,2,4-Trimethylbenzene	40	42	105	40	43	108	3	70-130	30
1,4-Dioxane	2000	2100	106	2000	2200	109	3	65-136	30
p-Diethylbenzene	40	41	102	40	42	105	3	70-130	30
p-Ethyltoluene	40	42	106	40	43	108	2	70-130	30
1,2,4,5-Tetramethylbenzene	40	43	107	40	44	110	3	70-130	30
Ethyl ether	40	36	90	40	38	95	5	67-130	30
trans-1,4-Dichloro-2-butene	40	48	120	40	52	130	8	70-130	30

Method Blank Summary
Form 4
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab Sample ID	: WG1746138-5	**Lab File ID**	: VG230217A05
Instrument ID	: GONZO		
Matrix	: WATER	**Analysis Date**	: 02/17/23 09:24

Client Sample No.	Lab Sample ID	Analysis Date
WG1746138-3LCS	WG1746138-3	02/17/23 07:40
WG1746138-4LCSD	WG1746138-4	02/17/23 08:06
FIELD BLANK	L2308387-02	02/17/23 11:14
TRIP BLANK	L2308387-03	02/17/23 11:40

Method Blank Summary
Form 4
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab Sample ID	: WG1747023-5	**Lab File ID**	: V29230220A05
Instrument ID	: VOA129		
Matrix	: SOIL	**Analysis Date**	: 02/20/23 10:27

Client Sample No.	Lab Sample ID	Analysis Date
WG1747023-3LCS	WG1747023-3	02/20/23 09:25
WG1747023-4LCSD	WG1747023-4	02/20/23 09:45
PX-E	L2308387-01	02/20/23 14:27

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

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: GONZO	**Analysis Date**	: 10/18/22 21:12
Tune Standard	: WG1701421-1	**Tune File ID**	: G221018NBFB1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	18.5
75	30.0 - 80.0% of mass 95	46
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	8.3
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0% of mass 95	89.6
175	5.0 - 9.0% of mass 174	6.6 (7.4)1
176	Greater than 95.0% but less than 101% of mass	88.7 (99)1
177	5.0 - 9.0% of mass 176	5.8 (6.6)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1622529-1	VG221018N03	10/18/22 22:22
STD0.5PPB	R1622529-3	VG221018N05	10/18/22 23:14
STD2PPB	R1622529-2	VG221018N07	10/19/22 00:07
STD10PPB	R1622529-4	VG221018N09	10/19/22 00:58
STD30PPB	R1622529-5	VG221018N10	10/19/22 01:25
STD80PPB	R1622529-7	VG221018N11	10/19/22 01:51
STD120PPB	R1622529-6	VG221018N12	10/19/22 02:17
STD200PPB	R1622529-8	VG221018N13	10/19/22 02:43
ICV Quant Report	R1622529-9	VG221018N20	10/19/22 05:46

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

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: GONZO	**Analysis Date**	: 02/17/23 07:25
Tune Standard	: WG1746138-1	**Tune File ID**	: VG230217ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	19.1
75	30.0 - 80.0% of mass 95	48.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.6 (.8)1
174	Greater than 50.0% of mass 95	81.2
175	5.0 - 9.0% of mass 174	6.1 (7.5)1
176	Greater than 95.0% but less than 101% of mass	77.3 (95.2)1
177	5.0 - 9.0% of mass 176	5 (6.5)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1746138-2CCAL	WG1746138-2	VG230217A01	02/17/23 07:40
WG1746138-3LCS	WG1746138-3	VG230217A01	02/17/23 07:40
WG1746138-4LCSD	WG1746138-4	VG230217A02	02/17/23 08:06
WG1746138-5BLANK	WG1746138-5	VG230217A05	02/17/23 09:24
FIELD BLANK	L2308387-02	VG230217A09	02/17/23 11:14
TRIP BLANK	L2308387-03	VG230217A10	02/17/23 11:40

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

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA129	**Analysis Date**	: 12/27/22 22:11
Tune Standard	: WG1728525-1	**Tune File ID**	: V29221227NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	19.6
75	30.0 - 80.0% of mass 95	49.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0% of mass 95	88.3
175	5.0 - 9.0% of mass 174	6.7 (7.6)1
176	Greater than 95.0% but less than 101% of mass	85.4 (96.7)1
177	5.0 - 9.0% of mass 176	5.5 (6.5)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.5PPB	R1648060-1	V29221227N03	12/27/22 23:14
STD1.0PPB	R1648060-3	V29221227N04	12/27/22 23:35
STD2.0PPB	R1648060-2	V29221227N05	12/27/22 23:56
STD4.0PPB	R1648060-4	V29221227N06	12/28/22 00:16
STD20PPB	R1648060-5	V29221227N07	12/28/22 00:37
STD40PPB	R1648060-6	V29221227N08	12/28/22 00:58
STD100PPB	R1648060-9	V29221227N09	12/28/22 01:19
STD200PPB	R1648060-8	V29221227N10	12/28/22 01:39
STD300PPB	R1648060-7	V29221227N11	12/28/22 02:00
ICV Quant Report	R1648060-10	V29221227N16	12/28/22 03:43

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

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA129	**Analysis Date**	: 02/20/23 08:44
Tune Standard	: WG1747023-1	**Tune File ID**	: V29230220ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20
75	30.0 - 80.0% of mass 95	50
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.3 (.3)1
174	Greater than 50.0% of mass 95	95
175	5.0 - 9.0% of mass 174	7 (7.4)1
176	Greater than 95.0% but less than 101% of mass	91.9 (96.8)1
177	5.0 - 9.0% of mass 176	6.3 (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
WG1747023-2CCAL	WG1747023-2	V29230220A01	02/20/23 09:04
WG1747023-3LCS	WG1747023-3	V29230220A02	02/20/23 09:25
WG1747023-4LCSD	WG1747023-4	V29230220A03	02/20/23 09:45
WG1747023-5BLANK	WG1747023-5	V29230220A05	02/20/23 10:27
PX-E	L2308387-01	V29230220A16	02/20/23 14:27

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: GONZO	**Analysis Date**	: 02/17/23 07:40:00
Sample No	: WG1746138-2	**Lab File ID**	: VG230217A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1746138-2	361440	6.21	269855	9.76	153692	12.42
Upper Limit	722880	6.71	539710	10.26	307384	12.92
Lower Limit	180720	5.71	134928	9.26	76846	11.92
Sample ID						
WG1746138-3 LCS	361440	6.21	269855	9.76	153692	12.42
WG1746138-4 LCSD	320989	6.21	242178	9.76	140764	12.43
WG1746138-5 BLANK	311436	6.21	228372	9.77	129307	12.43
FIELD BLANK	306976	6.22	227731	9.77	128630	12.43
TRIP BLANK	309046	6.21	228428	9.77	127361	12.43

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

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA129	**Analysis Date**	: 02/20/23 09:04:00
Sample No	: WG1747023-2	**Lab File ID**	: V29230220A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1747023-2	336478	5.90	260372	8.74	142944	10.19
Upper Limit	672956	6.40	520744	9.24	285888	10.69
Lower Limit	168239	5.40	130186	8.24	71472	9.69
Sample ID						
WG1747023-3 LCS	339465	5.90	263246	8.75	146365	10.19
WG1747023-4 LCSD	329429	5.90	256959	8.75	143237	10.19
WG1747023-5 BLANK	300670	5.90	237034	8.75	133575	10.19
PX-E	277362	5.90	219518	8.75	125909	10.19

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: 06/19/18
Created By: Jason Hebert
File: PM5049-1
Page: 1

Volatile Organics - EPA 8260C (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	0.210	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			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.240	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	0.200	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			
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	0.330	ug/l				20	20			
Xylene (Total)	1330-20-7	1	0.330	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			

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Volatile Organics - EPA 8260C (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		
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			
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	0.430	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	0.220	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			
1,3,5-Trichlorobenzene	108-70-3	2	0.141	ug/l	70-130	20	70-130	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			
Methyl Acetate	79-20-9	10	0.234	ug/l	70-130	20	70-130	20	20			
Ethyl Acetate	141-78-6	10	0.716	ug/l	70-130	20	70-130	20	20			
Isopropyl Ether	108-20-3	2	0.425	ug/l	70-130	20	70-130	20	20			
Cyclohexane	110-82-7	10	0.271	ug/l	70-130	20	70-130	20	20			
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.179	ug/l	70-130	20	70-130	20	20			

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Volatile Organics - EPA 8260C (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		
Tertiary-Amyl Methyl Ether	994-05-8	2	0.278	ug/l	66-130	20	66-130	20	20			
1,4-Dioxane	123-91-1	250	60.8	ug/l	56-162	20	56-162	20	20			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	10	0.148	ug/l	70-130	20	70-130	20	20			
Methyl cyclohexane	108-87-2	10	0.396	ug/l	70-130	20	70-130	20	20			
1,4-Diethylbenzene	105-05-5	2	0.392	ug/l	70-130	20	70-130	20	20			
4-Ethyltoluene	622-96-8	2	0.340	ug/l	70-130	20	70-130	20	20			
1,2,4,5-Tetramethylbenzene	95-93-2	2	0.542	ug/l	70-130	20	70-130	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*		

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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	5	2.29	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	1	0.145	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	1.5	0.140	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	1	0.230	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	1	0.125	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	1	0.140	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	1	0.267	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	0.5	0.196	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	0.5	0.127	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	4	0.695	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	1	0.257	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	0.5	0.167	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	0.5	0.109	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	1	0.273	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.158	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	0.5	0.159	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	4	0.246	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	1	0.543	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	1	0.141	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	4	0.932	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	2	0.581	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	1	0.335	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	2	0.452	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	1	0.238	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	1.5	0.137	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	0.5	0.137	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.144	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.148	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.171	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	2	0.201	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	2	0.560	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	1	0.291	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	1	0.175	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
Dibromomethane	74-95-3	2	0.238	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	10	0.226	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	2	0.127	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	1	0.196	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	10	0.915	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	10	4.81	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	10	4.55	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	10	2.22	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	10	2.15	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	10	1.28	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	10	1.18	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	10	1.58	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	4	1.15	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	2	0.205	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	4	1.59	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	2	0.202	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	1	0.279	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	2	0.167	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.132	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	2	0.145	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	1	0.167	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	1	0.146	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	2	0.118	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	2	0.173	ug/kg	70-139	30	70-130	30	30			
o-Chlorotoluene	95-49-8	2	0.191	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	2	0.108	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	3	0.998	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	4	0.169	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	1	0.109	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	1	0.109	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	4	0.650	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	1	0.171	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	2	0.322	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	2	0.272	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	2	0.193	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	2	0.334	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	5	1.42	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	100	100	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2	0.341	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	4	0.950	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	10	1.21	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	2	0.213	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	10	0.544	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.128	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	2	0.176	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	100	35.1	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	4	0.693	ug/kg	70-130	30	70-130	30	30			
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)
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Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	250	115	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	50	7.25	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	75	7.00	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	50	11.5	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	50	6.25	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	50	7.00	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	50	13.4	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	25	9.80	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	25	6.35	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	200	34.8	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	50	12.9	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	25	8.35	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	25	5.45	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	50	13.7	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	25	7.90	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	25	7.95	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	200	12.3	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	25	8.30	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	25	8.30	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	50	27.2	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	50	7.05	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	200	46.6	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	100	29.1	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	50	16.8	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	100	22.6	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	50	11.9	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	75	6.85	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	25	6.85	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	100	7.20	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	100	7.40	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	100	8.55	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	100	10.1	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	100	28.0	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	50	14.6	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	50	8.75	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
Dibromomethane	74-95-3	100	11.9	ug/kg	70-130	30	70-130	30	30			

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

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	500	11.3	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	100	6.35	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	50	9.80	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	500	45.8	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	500	241	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	500	228	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	500	111	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	500	108	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	500	64.0	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	500	59.0	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	500	79.0	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	200	57.5	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	100	10.3	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	200	79.5	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	100	10.1	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	50	14.0	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	100	8.35	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	25	6.60	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	100	7.25	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	50	8.35	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	50	7.30	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	100	5.90	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	100	8.65	ug/kg	70-139	30	70-130	30	30			
o-Chlorotoluene	95-49-8	100	9.55	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	100	5.40	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	150	49.9	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	200	8.45	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	50	5.45	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	50	5.45	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	200	32.5	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	50	8.55	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	100	16.1	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	100	13.6	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	100	9.65	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	100	16.7	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	250	71.0	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	5000	5000	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	100	17.1	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	200	47.5	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	500	60.5	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	100	10.7	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	500	27.2	ug/kg	70-130	30	70-130	30	30			

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

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	100	6.40	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	100	8.80	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	5000	1755	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	200	34.7	ug/kg	70-130	30	70-130	30	30			
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 Alpha Analytical, Inc.

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2308387-01	**Date Collected**	: 02/15/23 15:00
Client ID	: PX-E	**Date Received**	: 02/16/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/20/23 14:27
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: AJK
Lab File ID	: V29230220A16	**Instrument ID**	: VOA129
Sample Amount	: 4.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 79
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	7.8	3.6	U
75-34-3	1,1-Dichloroethane	ND	1.6	0.23	U
67-66-3	Chloroform	ND	2.4	0.22	U
56-23-5	Carbon tetrachloride	ND	1.6	0.36	U
78-87-5	1,2-Dichloropropane	ND	1.6	0.20	U
124-48-1	Dibromochloromethane	ND	1.6	0.22	U
79-00-5	1,1,2-Trichloroethane	ND	1.6	0.42	U
127-18-4	Tetrachloroethene	0.93	0.78	0.31	
108-90-7	Chlorobenzene	ND	0.78	0.20	U
75-69-4	Trichlorofluoromethane	ND	6.3	1.1	U
107-06-2	1,2-Dichloroethane	ND	1.6	0.40	U
71-55-6	1,1,1-Trichloroethane	ND	0.78	0.26	U
75-27-4	Bromodichloromethane	ND	0.78	0.17	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	0.43	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.78	0.25	U
542-75-6	1,3-Dichloropropene, Total	ND	0.78	0.25	U
563-58-6	1,1-Dichloropropene	ND	0.78	0.25	U
75-25-2	Bromoform	ND	6.3	0.39	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.78	0.26	U
71-43-2	Benzene	ND	0.78	0.26	U
108-88-3	Toluene	ND	1.6	0.85	U
100-41-4	Ethylbenzene	0.30	1.6	0.22	J
74-87-3	Chloromethane	ND	6.3	1.5	U
74-83-9	Bromomethane	ND	3.1	0.91	U
75-01-4	Vinyl chloride	ND	1.6	0.53	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2308387
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2308387-01	Date Collected	: 02/15/23 15:00
Client ID	: PX-E	Date Received	: 02/16/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/20/23 14:27
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: V29230220A16	Instrument ID	: VOA129
Sample Amount	: 4.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 79
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	3.1	0.71	U
75-35-4	1,1-Dichloroethene	ND	1.6	0.37	U
156-60-5	trans-1,2-Dichloroethene	ND	2.4	0.22	U
79-01-6	Trichloroethene	ND	0.78	0.22	U
95-50-1	1,2-Dichlorobenzene	ND	3.1	0.23	U
541-73-1	1,3-Dichlorobenzene	ND	3.1	0.23	U
106-46-7	1,4-Dichlorobenzene	ND	3.1	0.27	U
1634-04-4	Methyl tert butyl ether	ND	3.1	0.32	U
179601-23-1	p/m-Xylene	1.2	3.1	0.88	J
95-47-6	o-Xylene	0.73	1.6	0.46	J
1330-20-7	Xylenes, Total	1.9	1.6	0.46	J
156-59-2	cis-1,2-Dichloroethene	ND	1.6	0.27	U
540-59-0	1,2-Dichloroethene, Total	ND	1.6	0.22	U
74-95-3	Dibromomethane	ND	3.1	0.37	U
100-42-5	Styrene	ND	1.6	0.31	U
75-71-8	Dichlorodifluoromethane	ND	16	1.4	U
67-64-1	Acetone	12	16	7.6	J
75-15-0	Carbon disulfide	ND	16	7.1	U
78-93-3	2-Butanone	ND	16	3.5	U
108-05-4	Vinyl acetate	ND	16	3.4	U
108-10-1	4-Methyl-2-pentanone	ND	16	2.0	U
96-18-4	1,2,3-Trichloropropane	ND	3.1	0.20	U
591-78-6	2-Hexanone	ND	16	1.8	U
74-97-5	Bromochloromethane	ND	3.1	0.32	U
594-20-7	2,2-Dichloropropane	ND	3.1	0.32	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2308387
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2308387-01	Date Collected	: 02/15/23 15:00
Client ID	: PX-E	Date Received	: 02/16/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/20/23 14:27
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: V29230220A16	Instrument ID	: VOA129
Sample Amount	: 4.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 79
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.6	0.44	U
142-28-9	1,3-Dichloropropane	ND	3.1	0.26	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.78	0.21	U
108-86-1	Bromobenzene	ND	3.1	0.23	U
104-51-8	n-Butylbenzene	ND	1.6	0.26	U
135-98-8	sec-Butylbenzene	ND	1.6	0.23	U
98-06-6	tert-Butylbenzene	ND	3.1	0.18	U
95-49-8	o-Chlorotoluene	ND	3.1	0.30	U
106-43-4	p-Chlorotoluene	ND	3.1	0.17	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.7	1.6	U
87-68-3	Hexachlorobutadiene	ND	6.3	0.26	U
98-82-8	Isopropylbenzene	ND	1.6	0.17	U
99-87-6	p-Isopropyltoluene	ND	1.6	0.17	U
91-20-3	Naphthalene	ND	6.3	1.0	U
107-13-1	Acrylonitrile	ND	6.3	1.8	U
103-65-1	n-Propylbenzene	ND	1.6	0.27	U
87-61-6	1,2,3-Trichlorobenzene	ND	3.1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	ND	3.1	0.43	U
108-67-8	1,3,5-Trimethylbenzene	ND	3.1	0.30	U
95-63-6	1,2,4-Trimethylbenzene	ND	3.1	0.52	U
123-91-1	1,4-Dioxane	ND	120	55.	U
105-05-5	p-Diethylbenzene	ND	3.1	0.28	U
622-96-8	p-Ethyltoluene	ND	3.1	0.60	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	3.1	0.30	U
60-29-7	Ethyl ether	ND	3.1	0.54	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2308387-01	**Date Collected**	: 02/15/23 15:00
Client ID	: PX-E	**Date Received**	: 02/16/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/20/23 14:27
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: AJK
Lab File ID	: V29230220A16	**Instrument ID**	: VOA129
Sample Amount	: 4.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 79
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	7.8	2.2	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2308387-02	**Date Collected**	: 02/15/23 15:15
Client ID	: FIELD BLANK	**Date Received**	: 02/16/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/17/23 11:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG230217A09	**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	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2308387-02	**Date Collected**	: 02/15/23 15:15
Client ID	: FIELD BLANK	**Date Received**	: 02/16/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/17/23 11:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG230217A09	**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	0.70	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	: Environmental Compliance & Control,	Lab Number	: L2308387
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2308387-02	Date Collected	: 02/15/23 15:15
Client ID	: FIELD BLANK	Date Received	: 02/16/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/17/23 11:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VG230217A09	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	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2308387-02	**Date Collected**	: 02/15/23 15:15
Client ID	: FIELD BLANK	**Date Received**	: 02/16/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/17/23 11:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG230217A09	**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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2308387-03	**Date Collected**	: 02/15/23 00:00
Client ID	: TRIP BLANK	**Date Received**	: 02/16/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/17/23 11:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG230217A10	**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	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2308387-03	**Date Collected**	: 02/15/23 00:00
Client ID	: TRIP BLANK	**Date Received**	: 02/16/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/17/23 11:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG230217A10	**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	0.70	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	: Environmental Compliance & Control,	Lab Number	: L2308387
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2308387-03	Date Collected	: 02/15/23 00:00
Client ID	: TRIP BLANK	Date Received	: 02/16/23
Sample Location	: QUEENS, NY	Date Analyzed	: 02/17/23 11:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VG230217A10	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	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2308387-03	**Date Collected**	: 02/15/23 00:00
Client ID	: TRIP BLANK	**Date Received**	: 02/16/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/17/23 11:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG230217A10	**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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Compliance & Control,	Lab Number	: L2308387
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1746138-5	Date Collected	: NA
Client ID	: WG1746138-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/17/23 09:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VG230217A05	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	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1746138-5	**Date Collected**	: NA
Client ID	: WG1746138-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 02/17/23 09:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG230217A05	**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	0.70	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	: Environmental Compliance & Control,	Lab Number	: L2308387
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1746138-5	Date Collected	: NA
Client ID	: WG1746138-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/17/23 09:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VG230217A05	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	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1746138-5	**Date Collected**	: NA
Client ID	: WG1746138-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 02/17/23 09:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG230217A05	**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

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2308387
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1747023-5	Date Collected	: NA
Client ID	: WG1747023-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 02/20/23 10:27
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V29230220A05	Instrument ID	: VOA129
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5.0	2.3	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	U
67-66-3	Chloroform	ND	1.5	0.14	U
56-23-5	Carbon tetrachloride	ND	1.0	0.23	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.12	U
124-48-1	Dibromochloromethane	ND	1.0	0.14	U
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.27	U
127-18-4	Tetrachloroethene	ND	0.50	0.20	U
108-90-7	Chlorobenzene	ND	0.50	0.13	U
75-69-4	Trichlorofluoromethane	ND	4.0	0.70	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.17	U
75-27-4	Bromodichloromethane	ND	0.50	0.11	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.27	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.16	U
563-58-6	1,1-Dichloropropene	ND	0.50	0.16	U
75-25-2	Bromoform	ND	4.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.17	U
108-88-3	Toluene	ND	1.0	0.54	U
100-41-4	Ethylbenzene	ND	1.0	0.14	U
74-87-3	Chloromethane	ND	4.0	0.93	U
74-83-9	Bromomethane	ND	2.0	0.58	U
75-01-4	Vinyl chloride	ND	1.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1747023-5	**Date Collected**	: NA
Client ID	: WG1747023-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 02/20/23 10:27
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V29230220A05	**Instrument ID**	: VOA129
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.0	0.45	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.14	U
79-01-6	Trichloroethene	ND	0.50	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.56	U
95-47-6	o-Xylene	ND	1.0	0.29	U
1330-20-7	Xylenes, Total	ND	1.0	0.29	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
540-59-0	1,2-Dichloroethene, Total	ND	1.0	0.14	U
74-95-3	Dibromomethane	ND	2.0	0.24	U
100-42-5	Styrene	ND	1.0	0.20	U
75-71-8	Dichlorodifluoromethane	ND	10	0.92	U
67-64-1	Acetone	ND	10	4.8	U
75-15-0	Carbon disulfide	ND	10	4.6	U
78-93-3	2-Butanone	ND	10	2.2	U
108-05-4	Vinyl acetate	ND	10	2.2	U
108-10-1	4-Methyl-2-pentanone	ND	10	1.3	U
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.13	U
591-78-6	2-Hexanone	ND	10	1.2	U
74-97-5	Bromochloromethane	ND	2.0	0.20	U
594-20-7	2,2-Dichloropropane	ND	2.0	0.20	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1747023-5	**Date Collected**	: NA
Client ID	: WG1747023-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 02/20/23 10:27
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V29230220A05	**Instrument ID**	: VOA129
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	U
142-28-9	1,3-Dichloropropane	ND	2.0	0.17	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	U
108-86-1	Bromobenzene	ND	2.0	0.14	U
104-51-8	n-Butylbenzene	ND	1.0	0.17	U
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
95-49-8	o-Chlorotoluene	ND	2.0	0.19	U
106-43-4	p-Chlorotoluene	ND	2.0	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.0	1.0	U
87-68-3	Hexachlorobutadiene	ND	4.0	0.17	U
98-82-8	Isopropylbenzene	ND	1.0	0.11	U
99-87-6	p-Isopropyltoluene	ND	1.0	0.11	U
91-20-3	Naphthalene	ND	4.0	0.65	U
107-13-1	Acrylonitrile	ND	4.0	1.2	U
103-65-1	n-Propylbenzene	ND	1.0	0.17	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.32	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.27	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.33	U
123-91-1	1,4-Dioxane	ND	80	35.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.18	U
622-96-8	p-Ethyltoluene	ND	2.0	0.38	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.19	U
60-29-7	Ethyl ether	ND	2.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1747023-5	**Date Collected**	: NA
Client ID	: WG1747023-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 02/20/23 10:27
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V29230220A05	**Instrument ID**	: VOA129
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	1.4	U

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A09.D
Acq On : 17 Feb 2023 11:14 am
Operator : GONZO:PID
Sample : L2308387-02,31,10,10,,A
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 17 12:11:29 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2023\230217A\VG230217A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.215	96	306976	10.000	ug/L	0.00
Standard Area 1 = 361440			Recovery = 84.93%			
59) Chlorobenzene-d5	9.768	117	227731	10.000	ug/L	0.00
Standard Area 1 = 269855			Recovery = 84.39%			
79) 1,4-Dichlorobenzene-d4	12.426	152	128630	10.000	ug/L	0.00
Standard Area 1 = 153692			Recovery = 83.69%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.402	113	78179	10.208	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.08%			
43) 1,2-Dichloroethane-d4	5.934	65	98523	10.992	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.92%			
60) Toluene-d8	7.908	98	297565	10.128	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.28%			
83) 4-Bromofluorobenzene	11.233	95	114446	10.081	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.81%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	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	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
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	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	0.000		0	N.D.		

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A09.D
Acq On : 17 Feb 2023 11:14 am
Operator : GONZO:PID
Sample : L2308387-02,31,10,10,,A
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 17 12:11:29 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2023\230217A\VG230217A01.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	0.000		0	N.D.		d
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		d
48) Trichloroethene	0.000		0	N.D.		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	7.987	92	71	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	0.000		0	N.D.		
74) Ethylbenzene	9.818	91	80	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	11.233	91	198	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	0.000		0	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	0.000		0	N.D.		

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A09.D
Acq On : 17 Feb 2023 11:14 am
Operator : GONZO:PID
Sample : L2308387-02,31,10,10,,A
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 17 12:11:29 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2023\230217A\VG230217A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	12.031	105	178		N.D.	
98) sec-Butylbenzene	12.121	105	75		N.D.	
99) p-Isopropyltoluene	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	0.000		0		N.D.	
101) 1,4-Dichlorobenzene	0.000		0		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	14.581	128	76		N.D.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

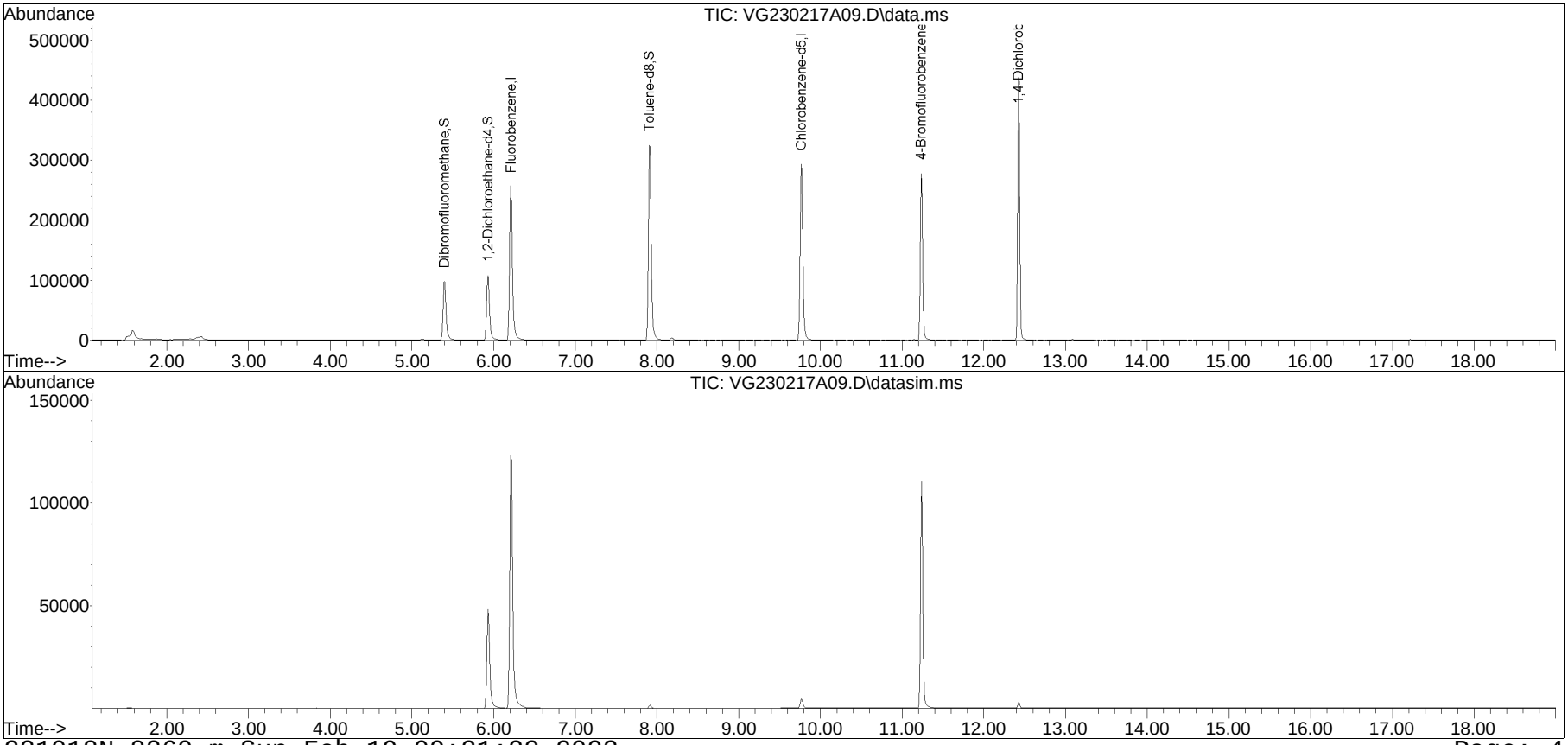
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A09.D
Acq On : 17 Feb 2023 11:14 am
Operator : GONZO:PID
Sample : L2308387-02,31,10,10,,A
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 17 12:11:29 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox0217A\VG230217A01.D•



Manual Integration Report

Data Path	: I:\VOLATILES\Gonzo\2023\23Q	Method	: G_221018N_8260.m
Data File	: VG230217A09.D	Operator	: GONZO:PID
Date Inj'd	: 2/17/2023 11:14 am	Instrument	: Gonzo
Sample	: L2308387-02,31,10,10,,A	Quant Date	: 2/17/2023 12:10 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A10.D
Acq On : 17 Feb 2023 11:40 am
Operator : GONZO:PID
Sample : L2308387-03,31,10,10,,A
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 17 12:11:37 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2023\230217A\VG230217A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.208	96	309046	10.000	ug/L	0.00
Standard Area 1 = 361440			Recovery = 85.50%			
59) Chlorobenzene-d5	9.769	117	228428	10.000	ug/L	0.00
Standard Area 1 = 269855			Recovery = 84.65%			
79) 1,4-Dichlorobenzene-d4	12.426	152	127361	10.000	ug/L	0.00
Standard Area 1 = 153692			Recovery = 82.87%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.395	113	75698	9.817	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.17%			
43) 1,2-Dichloroethane-d4	5.934	65	99288	11.003	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.03%			
60) Toluene-d8	7.908	98	296517	10.062	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.62%			
83) 4-Bromofluorobenzene	11.233	95	110915	9.867	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.67%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	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	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.739	43	78	N.D.		
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	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	0.000		0	N.D.		

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A10.D
Acq On : 17 Feb 2023 11:40 am
Operator : GONZO:PID
Sample : L2308387-03,31,10,10,,A
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 17 12:11:37 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2023\230217A\VG230217A01.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	0.000		0	N.D.		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.	d	
48) Trichloroethene	0.000		0	N.D.	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	0.000		0	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	0.000		0	N.D.		
74) Ethylbenzene	9.760	91	265	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	11.233	91	268	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	0.000		0	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	0.000		0	N.D.		

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A10.D
Acq On : 17 Feb 2023 11:40 am
Operator : GONZO:PID
Sample : L2308387-03,31,10,10,,A
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 17 12:11:37 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2023\230217A\VG230217A01.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	0.000		0		N.D.	
101)	1,4-Dichlorobenzene	0.000		0		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	14.589	128	74		N.D.	
111)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

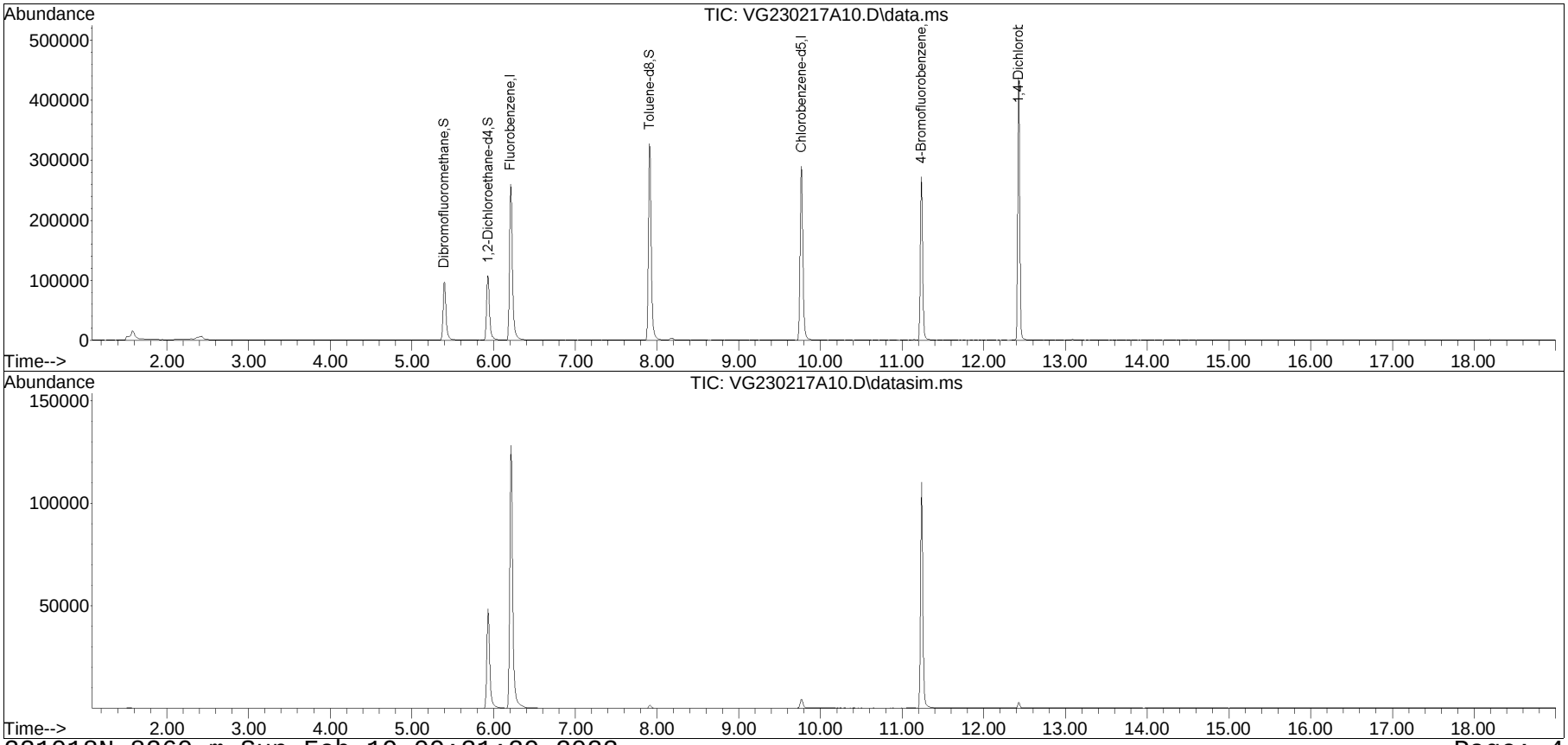
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A10.D
Acq On : 17 Feb 2023 11:40 am
Operator : GONZO:PID
Sample : L2308387-03,31,10,10,,A
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 17 12:11:37 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox0217A\VG230217A01.D•



Manual Integration Report

Data Path	: I:\VOLATILES\Gonzo\2023\23Q	Method	: G_221018N_8260.m
Data File	: VG230217A10.D	Operator	: GONZO:PID
Date Inj'd	: 2/17/2023 11:40 am	Instrument	: Gonzo
Sample	: L2308387-03,31,10,10,,A	Quant Date	: 2/17/2023 12:10 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220A16.D
Acq On : 20 Feb 2023 02:27 pm
Operator : VOA129:AJK
Sample : l2308387-01,31,4.03,5,,y
Misc : WG1747023,ICAL19631
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 21 11:34:35 2023
Quant Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:19 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2023\230220A\V29230220A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.904	96	277362	20.000	ug/L	0.00
Standard Area 1 = 336478			Recovery = 82.43%			
59) Chlorobenzene-d5	8.745	117	219518	20.000	ug/L	0.00
Standard Area 1 = 260372			Recovery = 84.31%			
79) 1,4-Dichlorobenzene-d4	10.192	152	125909	20.000	ug/L	0.00
Standard Area 1 = 142944			Recovery = 88.08%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.976	113	70632	19.261	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.30%			
43) 1,2-Dichloroethane-d4	5.573	65	88498	24.434	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 122.17%			
60) Toluene-d8	7.539	98	274892	20.059	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.30%			
83) 4-Bromofluorobenzene	9.532	95	101334	19.516	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.58%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.221	50	51	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	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	2.144	76	464	0.087	ug/L #	76
15) Methylene chloride	2.689	84	3070	0.076	ug/L	80
17) Acetone	2.747	43	7953	7.379	ug/L	95
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	4.021	43	56	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	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220A16.D
Acq On : 20 Feb 2023 02:27 pm
Operator : VOA129:AJK
Sample : l2308387-01,31,4.03,5,,y
Misc : WG1747023,ICAL19631
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 21 11:34:35 2023
Quant Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:19 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2023\230220A\V29230220A01.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	0.000		0	N.D.	d	
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	5.405	78	209	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	6.098	95	60	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	7.587	92	1772	0.246	ug/L	99
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.922	166	2074	0.593	ug/L #	79
65) trans-1,3-Dichloropropene	7.891	75	300	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.	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.	d	
73) Chlorobenzene	8.677	112	51	N.D.		
74) Ethylbenzene	8.792	91	2572	0.190	ug/L	99
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	8.892	106	4183	0.761	ug/L	97
77) o Xylene	9.170	106	2422	0.466	ug/L	95
78) Styrene	9.207	104	53	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	9.521	105	111	N.D.		
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	9.626	91	165	N.D.		
87) 1,1,2,2-Tetrachloroethane	9.668	83	64	N.D.		
88) 4-Ethyltoluene	9.689	105	444	N.D.		
89) 2-Chlorotoluene	9.673	91	49	N.D.		
90) 1,3,5-Trimethylbenzene	9.747	105	266	N.D.		
91) 1,2,3-Trichloropropane	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	9.862	53	51	N.D.		
93) 4-Chlorotoluene	9.857	91	51	N.D.		
94) tert-Butylbenzene	0.000		0	N.D.	d	

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220A16.D
Acq On : 20 Feb 2023 02:27 pm
Operator : VOA129:AJK
Sample : l2308387-01,31,4.03,5,,y
Misc : WG1747023,ICAL19631
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 21 11:34:35 2023
Quant Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:19 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2023\230220A\V29230220A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	9.967	105	307	N.D.		
98)	sec-Butylbenzene	9.967	105	307	N.D.		
99)	p-Isopropyltoluene	10.103	119	624	N.D.		
100)	1,3-Dichlorobenzene	10.203	146	180	N.D.		
101)	1,4-Dichlorobenzene	10.203	146	180	N.D.		
102)	p-Diethylbenzene	10.334	119	357	N.D.		
103)	n-Butylbenzene	10.355	91	71	N.D.		
104)	1,2-Dichlorobenzene	10.444	146	118	N.D.		
105)	1,2,4,5-Tetramethylben...	10.780	119	889	0.070	ug/L	87
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108)	Hexachlorobutadiene	0.000		0	N.D.		
109)	1,2,4-Trichlorobenzene	11.272	180	109	N.D.		
110)	Naphthalene	11.456	128	1814	0.145	ug/L	100
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

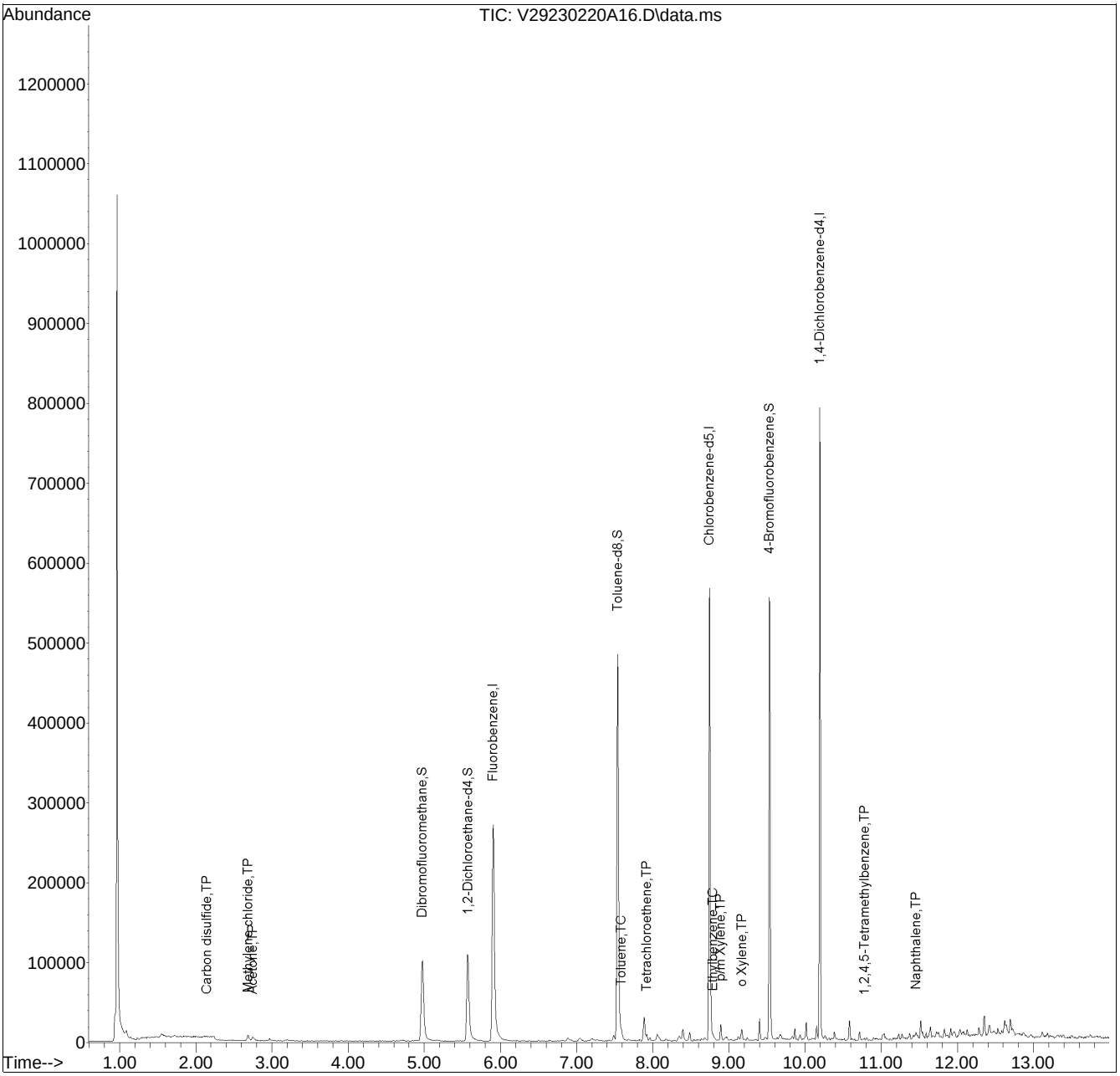
(#) = qualifier out of range (m) = manual integration (+) = signals summed

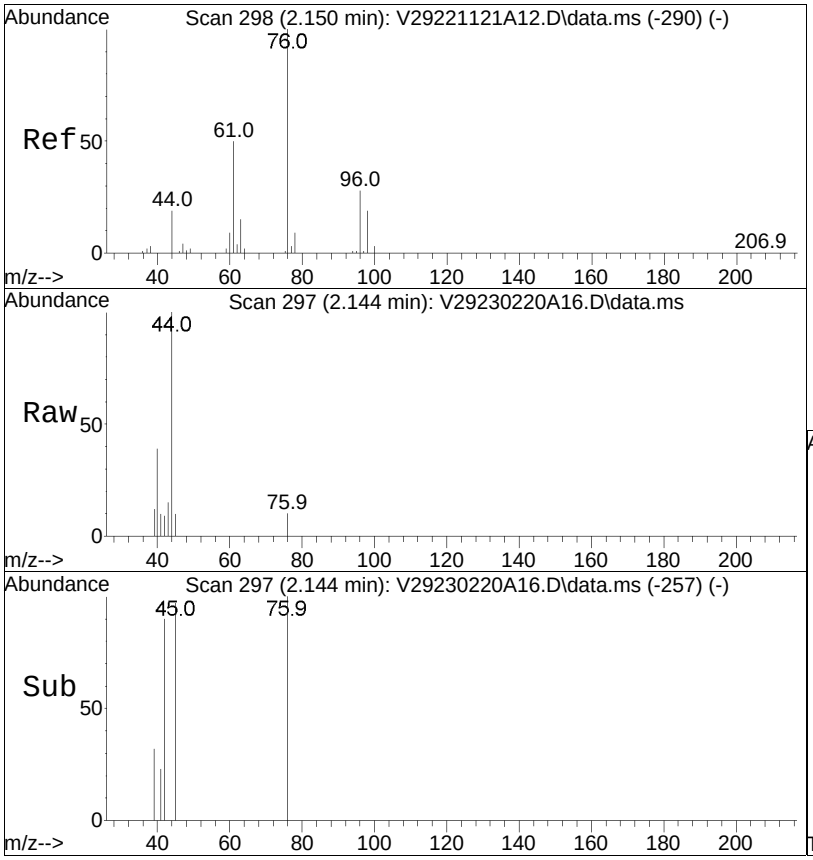
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220A16.D
Acq On : 20 Feb 2023 02:27 pm
Operator : VOA129:AJK
Sample : l2308387-01,31,4.03,5,,y
Misc : WG1747023,ICAL19631
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 21 11:34:35 2023
Quant Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:19 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox30220A\V29230220A01.D•

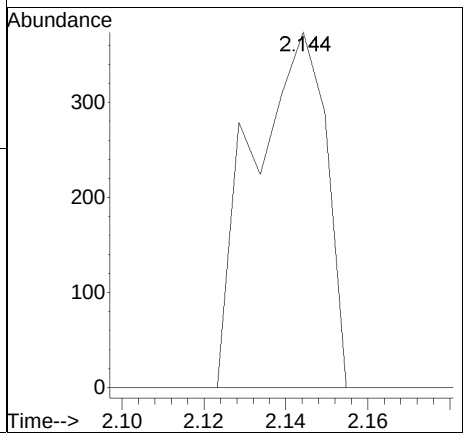


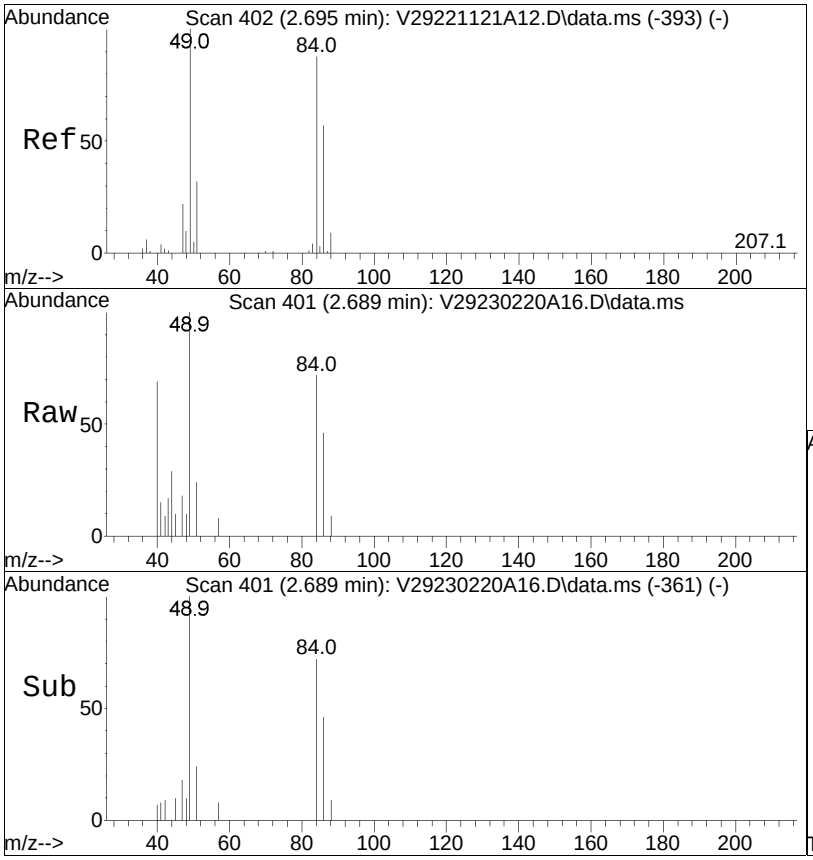


#11
Carbon disulfide
Concen: 0.09 ug/L
RT: 2.144 min Scan# 297
Delta R.T. 0.010 min
Lab File: V29230220A16.D
Acq: 20 Feb 2023 02:27 pm

Tgt Ion: 76 Resp: 464

Ion	Ratio	Lower	Upper
76	100		
78	0.0	5.7	11.7#

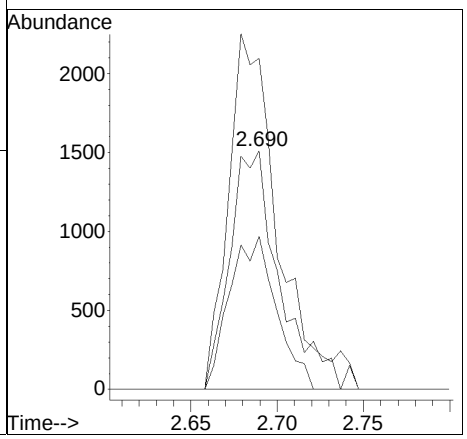


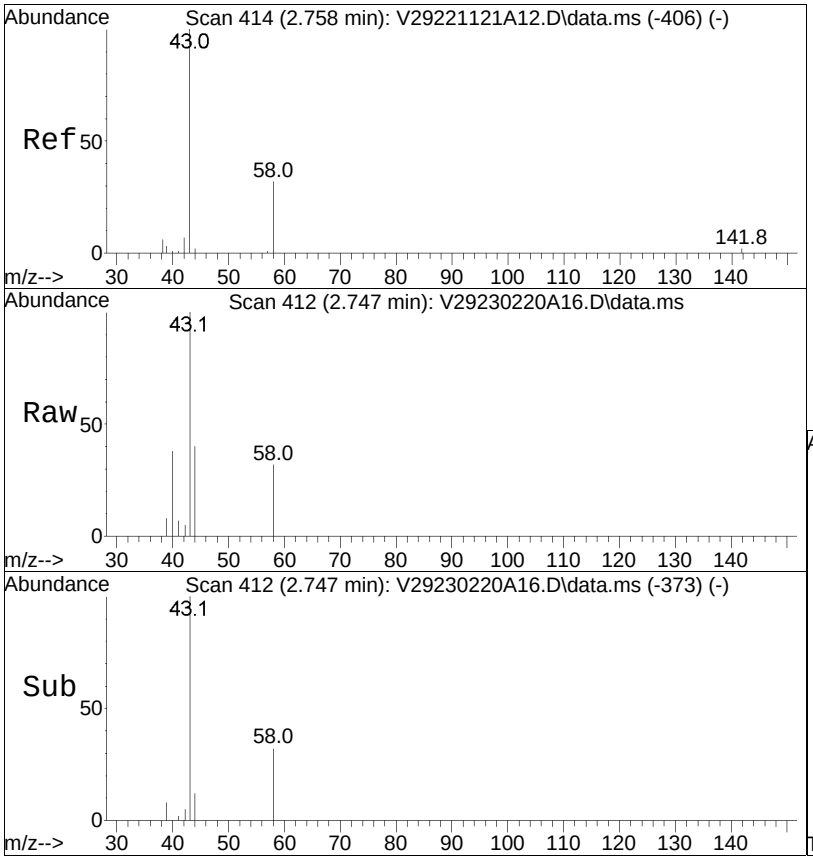


#15
Methylene chloride
Concen: 0.08 ug/L
RT: 2.689 min Scan# 401
Delta R.T. 0.010 min
Lab File: V29230220A16.D
Acq: 20 Feb 2023 02:27 pm

Tgt Ion: 84 Resp: 3070

Ion	Ratio	Lower	Upper
84	100		
86	59.6	40.4	83.8
49	146.9	120.0	249.2

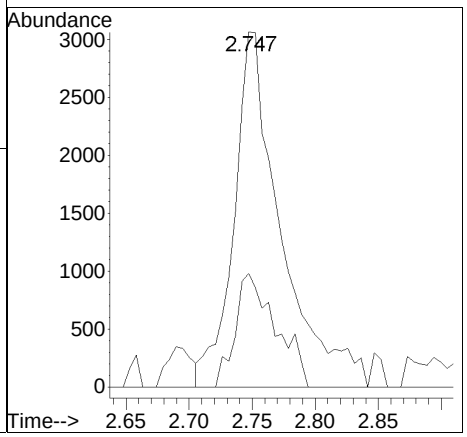


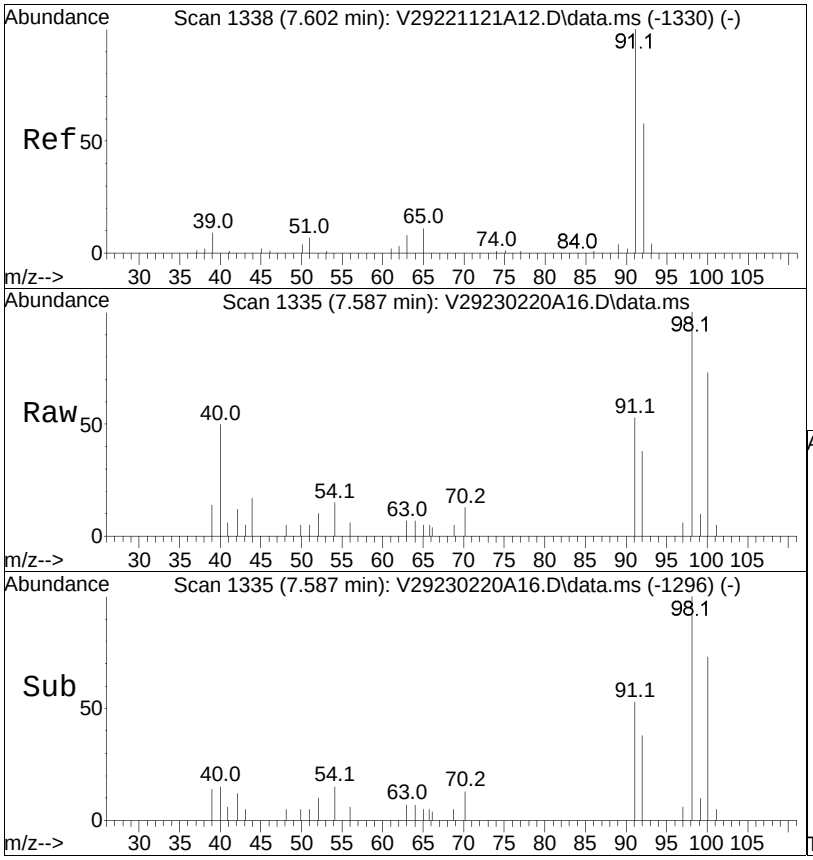


#17
Acetone
Concen: 7.38 ug/L
RT: 2.747 min Scan# 412
Delta R.T. 0.005 min
Lab File: V29230220A16.D
Acq: 20 Feb 2023 02:27 pm

Tgt Ion: 43 Resp: 7953

Ion	Ratio	Lower	Upper
43	100		
58	27.8	24.2	36.4

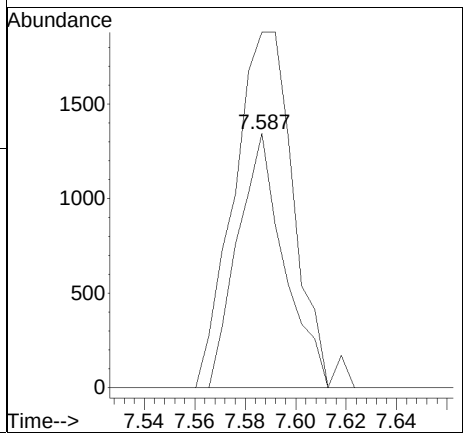


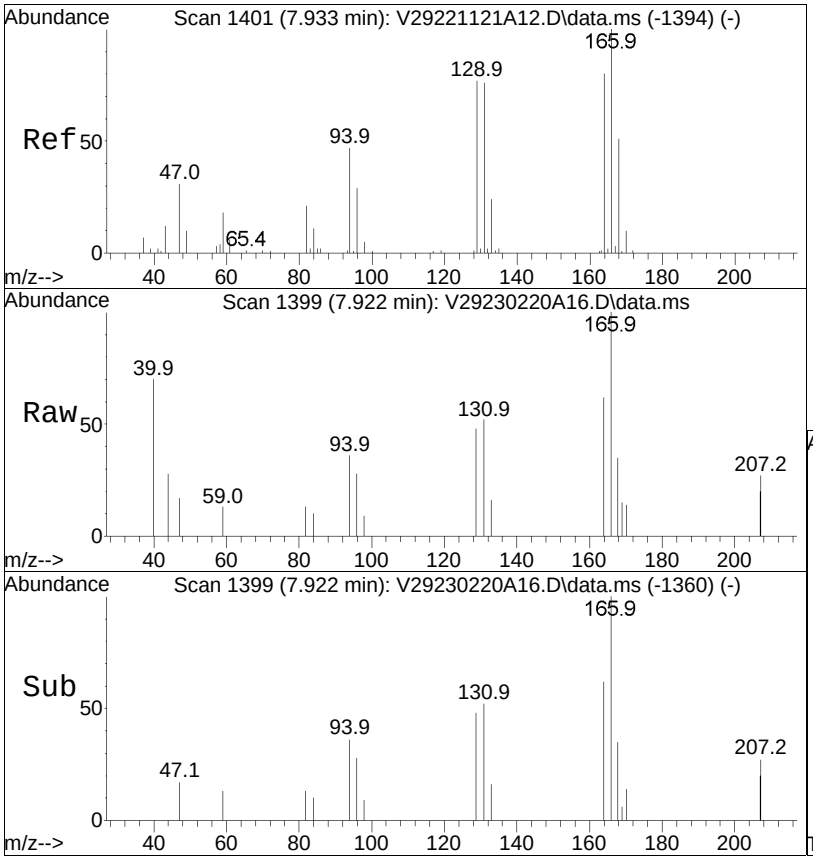


#61
Toluene
Concen: 0.25 ug/L
RT: 7.587 min Scan# 1335
Delta R.T. 0.005 min
Lab File: V29230220A16.D
Acq: 20 Feb 2023 02:27 pm

Tgt Ion: 92 Resp: 1772

Ion	Ratio	Lower	Upper
92	100		
91	172.9	139.8	209.6

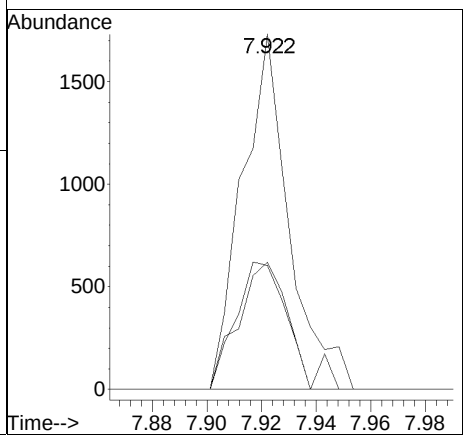


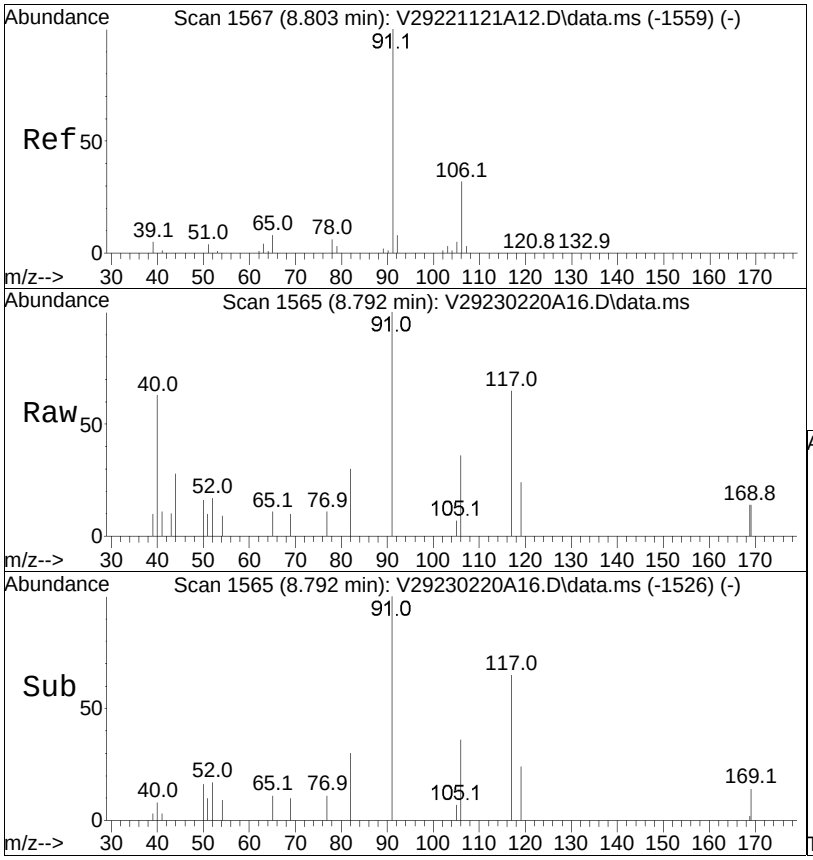


#63
Tetrachloroethene
Concen: 0.59 ug/L
RT: 7.922 min Scan# 1399
Delta R.T. 0.005 min
Lab File: V29230220A16.D
Acq: 20 Feb 2023 02:27 pm

Tgt Ion:166 Resp: 2074

Ion	Ratio	Lower	Upper
166	100		
168	40.5	28.2	68.2
94	37.0	38.4	78.4#

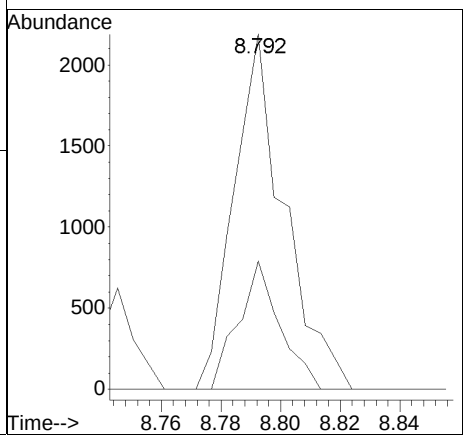


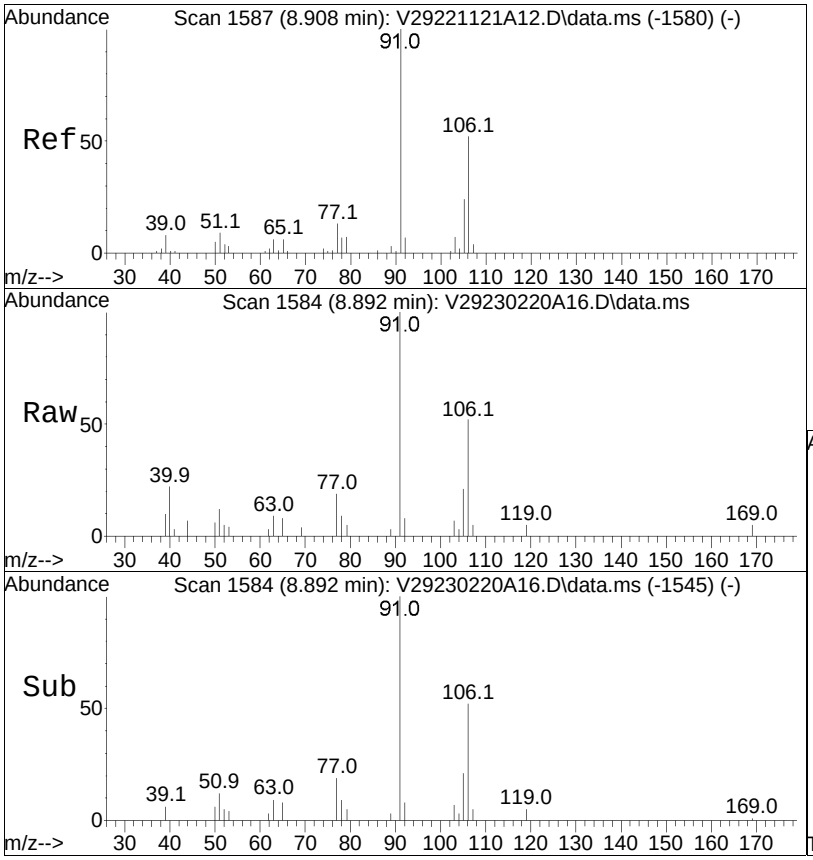


#74
Ethylbenzene
Concen: 0.19 ug/L
RT: 8.792 min Scan# 1565
Delta R.T. 0.005 min
Lab File: V29230220A16.D
Acq: 20 Feb 2023 02:27 pm

Tgt Ion: 91 Resp: 2572

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.3	36.5

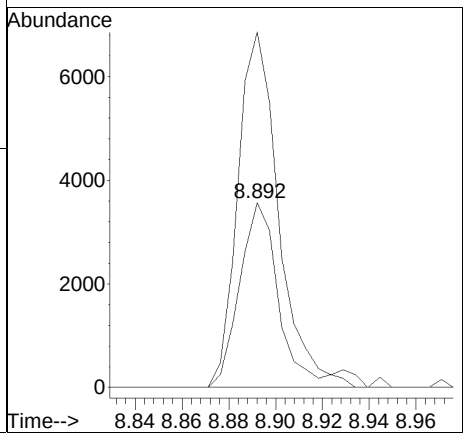


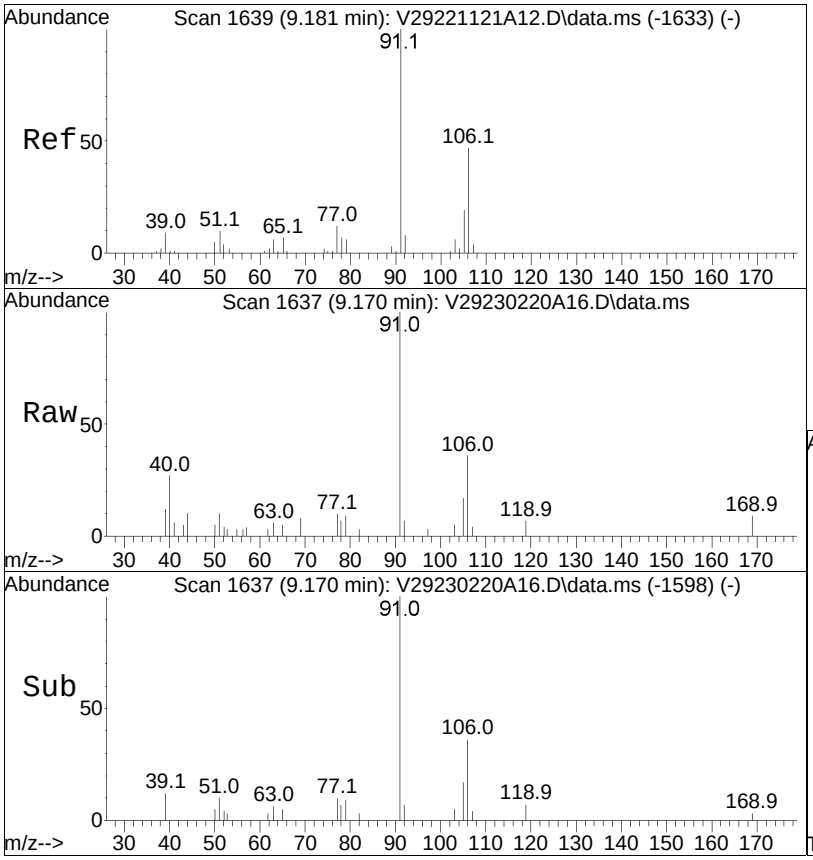


#76
p/m Xylene
Concen: 0.76 ug/L
RT: 8.892 min Scan# 1584
Delta R.T. 0.005 min
Lab File: V29230220A16.D
Acq: 20 Feb 2023 02:27 pm

Tgt Ion:106 Resp: 4183

Ion	Ratio	Lower	Upper
106	100		
91	203.3	166.4	249.6

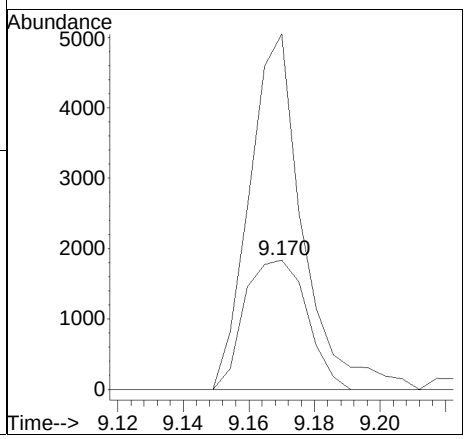


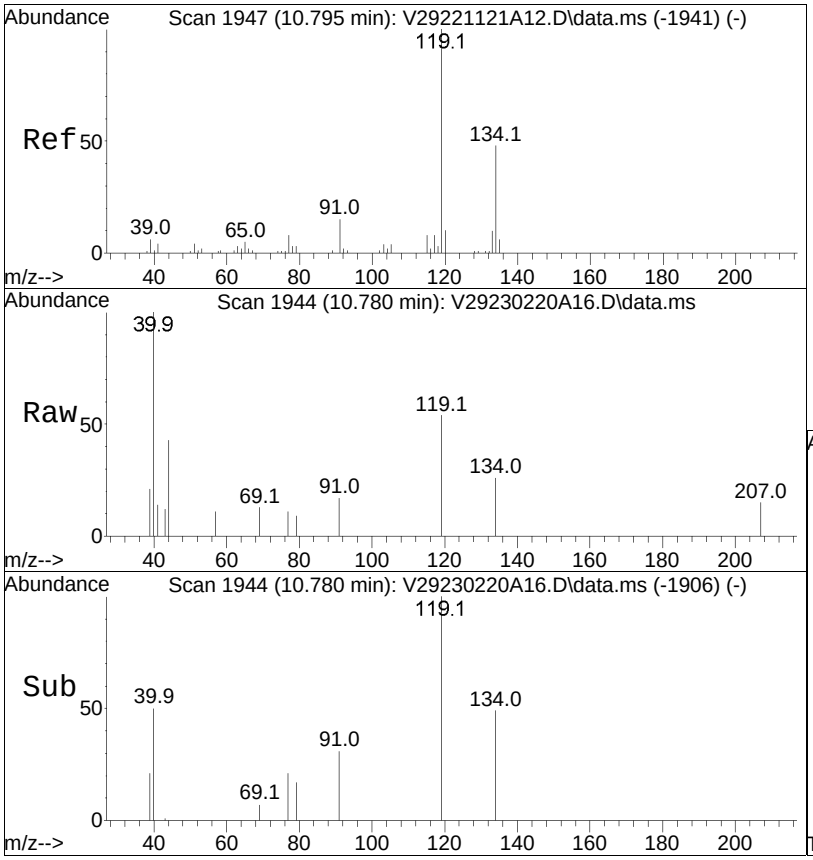


#77
o Xylene
Concen: 0.47 ug/L
RT: 9.170 min Scan# 1637
Delta R.T. 0.005 min
Lab File: V29230220A16.D
Acq: 20 Feb 2023 02:27 pm

Tgt Ion:106 Resp: 2422

Ion	Ratio	Lower	Upper
106	100		
91	235.8	182.6	273.8

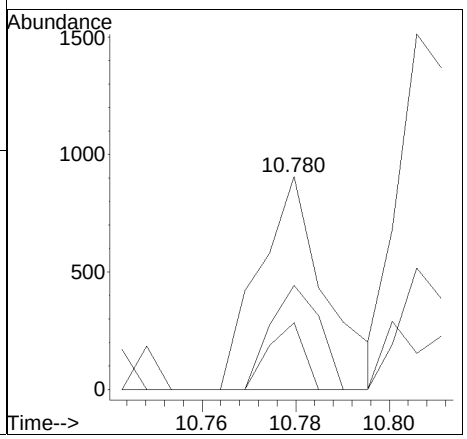


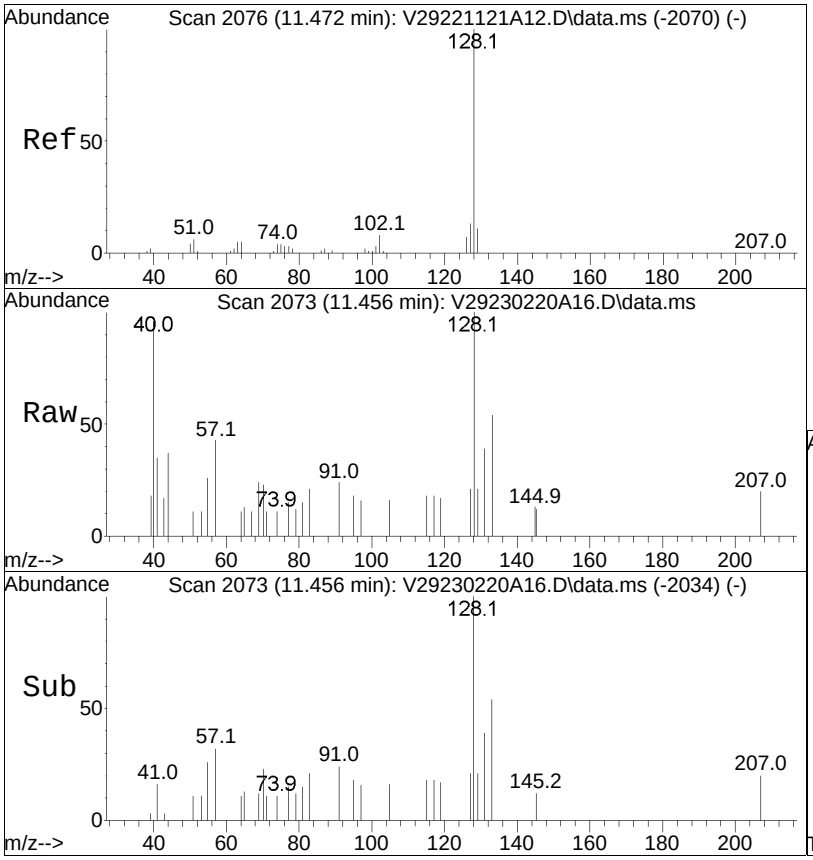


#105
1,2,4,5-Tetramethylbenzene
Concen: 0.07 ug/L
RT: 10.780 min Scan# 1944
Delta R.T. -0.000 min
Lab File: V29230220A16.D
Acq: 20 Feb 2023 02:27 pm

Tgt Ion:119 Resp: 889

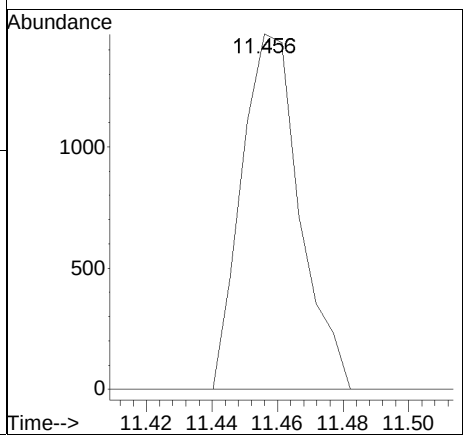
Ion	Ratio	Lower	Upper
119	100		
134	36.4	30.5	63.3
91	16.6	12.4	25.7





#110
Naphthalene
Concen: 0.15 ug/L
RT: 11.456 min Scan# 2073
Delta R.T. 0.005 min
Lab File: V29230220A16.D
Acq: 20 Feb 2023 02:27 pm

Tgt Ion:128 Resp: 1814



Manual Integration Report

Data Path	: I:\VOLATILES\VOA129\2023\2	QMethod	: V129_221227N_8260.m
Data File	: V29230220A16.D	Operator	: VOA129:AJK
Date Inj'd	: 2/20/2023 2:27 pm	Instrument	: VOA 129
Sample	: l2308387-01,31,4.03,5,,y	Quant Date	: 2/21/2023 10:27 am

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

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2308387**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: GONZO**	**Ical Ref**	**: ICAL19406**
Calibration dates	**: 10/18/22 22:22 10/19/22 02:43**		

Calibration Files

L11 =VG221018N03.D L1 =VG221018N05.D L2 =VG221018N07.D L3 =VG221018N09.D L4 =VG221018N10.D

L6 =VG221018N11.D L8 =VG221018N12.D L10 =VG221018N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.145	0.147	0.154	0.155	0.162	0.156	0.155	0.153	3.78
3)	TP	Chloromethane		0.232	0.193	0.190	0.193	0.204	0.203	0.200	0.202	6.95
4)	TC	Vinyl chloride	0.163	0.141	0.166	0.184	0.191	0.201	0.199	0.197	0.180	11.97
5)	TP	Bromomethane		0.107	0.080	0.077	0.087	0.099	0.103	0.104	0.094	12.87
6)	TP	Chloroethane		0.061	0.052	0.053	0.055	0.053	0.045	0.040	0.051	13.40
7)	TP	Trichlorofluor		0.157	0.210	0.212	0.238	0.253	0.248	0.248	0.224	15.35
8)	TP	Ethyl ether		0.056	0.074	0.076	0.077	0.082	0.080	0.080	0.075	11.74
10)	TC	1,1-Dichloroet		0.148	0.144	0.149	0.152	0.160	0.159	0.161	0.153	4.42
11)	TP	Carbon disulfide		0.321	0.363	0.386	0.405	0.436	0.431	0.428	0.396	10.68
12)	TP	Freon-113		0.110	0.141	0.159	0.166	0.176	0.170	0.169	0.156	14.71
13)	TP	Iodomethane			0.147	0.189	0.211	0.227	0.225	0.218	0.203	14.99
14)	TP	Acrolein			0.024	0.025	0.025	0.028	0.028	0.027	0.026	7.11
15)	TP	Methylene chlo		0.217	0.174	0.162	0.164	0.174	0.171	0.168	0.176	10.77
17)	TP	Acetone			0.055	0.048	0.047	0.050	0.049	0.048	0.049	5.90
18)	TP	trans-1,2-Dich		0.147	0.157	0.160	0.163	0.172	0.170	0.167	0.162	5.47
19)	TP	Methyl acetate			0.131	0.113	0.114	0.123	0.121	0.120	0.120	5.50
20)	TP	Methyl tert butyl ether		0.362	0.383	0.409	0.418	0.452	0.444	0.435	0.415	7.96
21)	TP	tert-Butyl alc		0.016	0.017	0.017	0.017	0.018	0.018	0.018	0.017	5.05
22)	TP	Diisopropyl ether		0.467	0.485	0.539	0.562	0.614	0.608	0.598	0.553	10.73
23)	TP	1,1-Dichloroet		0.240	0.280	0.301	0.310	0.329	0.324	0.319	0.300	10.44
24)	TP	Halothane		0.106	0.119	0.128	0.132	0.141	0.138	0.138	0.129	9.63
25)	TP	Acrylonitrile		0.054	0.053	0.054	0.054	0.059	0.059	0.058	0.056	4.35
26)	TP	Ethyl tert-but		0.441	0.460	0.501	0.524	0.570	0.564	0.554	0.516	9.94
27)	TP	Vinyl acetate		0.319	0.306	0.316	0.334	0.376	0.365	0.383	0.343	9.16
28)	TP	cis-1,2-Dichlo		0.186	0.180	0.178	0.181	0.193	0.189	0.186	0.185#	2.85
29)	TP	2,2-Dichloropr		0.218	0.237	0.251	0.255	0.265	0.258	0.251	0.248	6.30
30)	TP	Bromochloromet		0.076	0.075	0.080	0.079	0.084	0.083	0.080	0.079#	4.28
31)	TP	Cyclohexane		0.260	0.325	0.336	0.343	0.362	0.352	0.352	0.333	10.31
32)	TC	Chloroform		0.295	0.276	0.281	0.283	0.304	0.300	0.295	0.291	3.61
33)	TP	Ethyl acetate		0.154	0.149	0.155	0.162	0.177	0.175	0.172	0.163	6.89
34)	TP	Carbon tetrachloride	0.221	0.175	0.199	0.217	0.228	0.240	0.238	0.236	0.219	10.21
35)	TP	Tetrahydrofuran			0.057	0.052	0.051	0.055	0.053	0.052	0.053	4.11
36)	S	Dibromofluoromethane	0.252	0.253	0.257	0.251	0.248	0.247	0.244	0.244	0.249	1.87
37)	TP	1,1,1-Trichloroethane		0.228	0.229	0.249	0.254	0.268	0.264	0.262	0.250	6.50
39)	TP	2-Butanone			0.075	0.075	0.081	0.086	0.085	0.081	0.080	5.86

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2308387**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: GONZO**	**Ical Ref**	**: ICAL19406**
Calibration dates	**: 10/18/22 22:22 10/19/22 02:43**		

Calibration Files
L11 =VG221018N03.D L1 =VG221018N05.D L2 =VG221018N07.D L3 =VG221018N09.D L4 =VG221018N10.D
L6 =VG221018N11.D L8 =VG221018N12.D L10 =VG221018N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropropene		0.173	0.201	0.227	0.237	0.252	0.248	0.247	0.227	12.94
41) TP	Benzene	0.745	0.546	0.616	0.679	0.701	0.746	0.738	0.727	0.687	10.45
42) TP	Tertiary-Amyl Methyl Ether		0.396	0.414	0.456	0.475	0.518	0.513	0.504	0.468	10.36
43) S	1,2-Dichloroethane-d4	0.299	0.295	0.302	0.308	0.282	0.281	0.281	0.288	0.292	3.60
44) TP	1,2-Dichloroet		0.192	0.193	0.205	0.208	0.221	0.217	0.212	0.207	5.35
47) TP	Methyl cyclohe		0.311	0.319	0.343	0.348	0.372	0.363	0.363	0.345	6.65
48) TP	Trichloroethene	0.250	0.177	0.165	0.176	0.182	0.191	0.189	0.183	0.189#	13.64
50) TP	Dibromomethane		0.079	0.087	0.093	0.095	0.101	0.099	0.097	0.093	8.27
51) TC	1,2-Dichloropr		0.144	0.156	0.170	0.175	0.185	0.183	0.180	0.170	8.88
53) TP	2-Chloroethyl		0.078	0.087	0.099	0.104	0.113	0.112	0.110	0.100	13.20
54) TP	Bromodichloromethane		0.209	0.221	0.220	0.224	0.237	0.239	0.231	0.226#	4.71
57) TP	1,4-Dioxane		0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002#	12.27
58) TP	cis-1,3-Dichloropropene	0.289	0.226	0.248	0.273	0.284	0.303	0.301	0.296	0.278#	9.90
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.292	1.289	1.289	1.278	1.291	1.295	1.290	1.297	1.290	0.45
61) TC	Toluene		0.478	0.501	0.539	0.561	0.594	0.586	0.574	0.548	8.04
62) TP	4-Methyl-2-pen		0.085	0.073	0.075	0.077	0.084	0.083	0.081	0.080	5.66
63) TP	Tetrachloroethene		0.188	0.222	0.237	0.256	0.272	0.268	0.266	0.244	12.55
65) TP	trans-1,3-Dichloropropene	0.293	0.248	0.276	0.305	0.324	0.351	0.347	0.343	0.311	11.97
67) TP	Ethyl methacry		0.265	0.259	0.272	0.276	0.295	0.290	0.285	0.277	4.80
68) TP	1,1,2-Trichlor		0.202	0.152	0.146	0.152	0.163	0.159	0.157	0.162#	11.49
69) TP	Chlorodibromomethane		0.180	0.184	0.197	0.213	0.230	0.230	0.228	0.209	10.51
70) TP	1,3-Dichloropr		0.268	0.277	0.305	0.319	0.344	0.339	0.336	0.313	9.74
71) TP	1,2-Dibromoethane		0.153	0.160	0.173	0.182	0.198	0.197	0.194	0.180#	10.16
72) TP	2-Hexanone		0.165	0.126	0.137	0.146	0.160	0.152	0.153	0.148	9.04
73) TP	Chlorobenzene		0.507	0.541	0.582	0.607	0.645	0.642	0.634	0.594	9.01
74) TC	Ethylbenzene	1.161	0.915	0.968	1.035	1.080	1.142	1.133	1.127	1.070	8.37
75) TP	1,1,1,2-Tetrachloroethane		0.174	0.188	0.204	0.213	0.232	0.230	0.230	0.210	10.85
76) TP	p/m Xylene	0.451	0.340	0.378	0.411	0.430	0.456	0.449	0.435	0.419	9.72
77) TP	o Xylene		0.335	0.362	0.395	0.412	0.435	0.429	0.412	0.397	9.23
78) TP	Styrene	0.664	0.535	0.588	0.646	0.673	0.714	0.704	0.671	0.649	9.24
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.219	0.222	0.248	0.262	0.287	0.291	0.280	0.258	11.54
82) TP	Isopropylbenzene		1.472	1.614	1.814	1.852	1.986	2.000	1.950	1.813	11.06
83) S	4-Bromofluorobenzene	0.900	0.890	0.890	0.885	0.871	0.876	0.883	0.866	0.883	1.26
84) TP	Bromobenzene		0.400	0.417	0.451	0.455	0.495	0.492	0.478	0.455	8.04

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2308387**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: GONZO**	**Ical Ref**	**: ICAL19406**
Calibration dates	**: 10/18/22 22:22 10/19/22 02:43**		

Calibration Files
L11 =VG221018N03.D L1 =VG221018N05.D L2 =VG221018N07.D L3 =VG221018N09.D L4 =VG221018N10.D
L6 =VG221018N11.D L8 =VG221018N12.D L10 =VG221018N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP	n-Propylbenzene		1.774	2.015	2.217	2.268	2.407	2.414	2.316	2.202	10.54
86) TP	1,4-Dichlorobu		0.552	0.513	0.556	0.563	0.606	0.614	0.592	0.571	6.22
87) TP	1,1,2,2-Tetrachloroethane		0.500	0.396	0.393	0.397	0.435	0.429	0.422	0.425	8.80
88) TP	4-Ethyltoluene		1.504	1.656	1.820	1.868	1.999	1.998	1.935	1.826	10.14
89) TP	2-Chlorotoluene		1.055	1.181	1.298	1.323	1.408	1.410	1.375	1.293	10.16
90) TP	1,3,5-Trimethy		1.312	1.448	1.577	1.607	1.731	1.731	1.663	1.581	9.74
91) TP	1,2,3-Trichlor		0.327	0.327	0.352	0.351	0.378	0.379	0.360	0.353	6.06
92) TP	trans-1,4-Dich		0.125	0.131	0.119	0.119	0.131	0.132	0.129	0.127	4.42
93) TP	4-Chlorotoluene		1.169	1.202	1.300	1.341	1.448	1.463	1.410	1.333	8.74
94) TP	tert-Butylbenzene		1.067	1.216	1.349	1.387	1.481	1.498	1.438	1.348	11.58
97) TP	1,2,4-Trimethy		1.265	1.393	1.519	1.534	1.663	1.668	1.615	1.522	9.77
98) TP	sec-Butylbenzene		1.591	1.833	2.034	2.080	2.235	2.233	2.135	2.020	11.56
99) TP	p-Isopropyltol		1.338	1.541	1.768	1.800	1.927	1.910	1.844	1.733	12.47
100) TP	1,3-Dichlorobe		0.712	0.767	0.853	0.877	0.941	0.948	0.917	0.859	10.46
101) TP	1,4-Dichlorobe		0.748	0.789	0.850	0.878	0.944	0.943	0.917	0.867	8.80
102) TP	p-Diethylbenzene		0.805	0.900	1.024	1.059	1.137	1.148	1.123	1.028	12.73
103) TP	n-Butylbenzene		1.130	1.342	1.497	1.538	1.620	1.631	1.592	1.479	12.34
104) TP	1,2-Dichlorobe		0.678	0.722	0.801	0.814	0.873	0.876	0.851	0.802	9.49
105) TP	1,2,4,5-Tetram		1.069	1.154	1.268	1.298	1.427	1.476	1.457	1.307	11.99
106) TP	1,2-Dibromo-3-		0.072	0.072	0.074	0.076	0.085	0.085	0.083	0.078	7.64
107) TP	1,3,5-Trichlor		0.515	0.557	0.623	0.651	0.703	0.709	0.678	0.634	11.69
108) TP	Hexachlorobuta		0.240	0.280	0.313	0.336	0.360	0.369	0.351	0.321	14.63
109) TP	1,2,4-Trichlor		0.405	0.447	0.494	0.518	0.571	0.582	0.555	0.510	12.98
110) TP	Naphthalene		0.907	0.876	0.974	0.999	1.097	1.130	1.098	1.011	9.87
111) TP	1,2,3-Trichlor		0.328	0.369	0.399	0.422	0.465	0.470	0.440	0.413	12.54

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2308387**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA129**	**Ical Ref**	**: ICAL19631**
Calibration dates	**: 12/27/22 23:14 12/28/22 02:00**		

Calibration Files

0.5 =V29221227N03.D 1 =V29221227N04.D 2 =V29221227N05.D 4 =V29221227N06.D 20 =V29221227N07.D

40 =V29221227N08.D 100 =V29221227N09.D 200 =V29221227N10.D 300 =V29221227N11.D

		Compound	0.5	1	2	4	20	40	100	200	300	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------										
2)	TP	Dichlorodifluo		0.209	0.193	0.174	0.159	0.152	0.155	0.165	0.168	0.172	11.56
3)	TP	Chloromethane		0.199	0.215	0.216	0.204	0.206	0.203	0.211	0.218	0.209	3.34
4)	TC	Vinyl chloride		0.185	0.228	0.224	0.206	0.209	0.208	0.219	0.225	0.213	6.65
5)	TP	Bromomethane		0.253	0.249	0.228	0.174	0.161	0.158	0.165	0.173	*L	0.9982
6)	TP	Chloroethane		0.136	0.148	0.141	0.128	0.138	0.146	0.151	0.147	0.142	5.53
7)	TP	Trichlorofluor		0.282	0.335	0.321	0.310	0.311	0.316	0.335	0.348	0.320	6.33
8)	TP	Ethyl ether		0.121	0.102	0.099	0.092	0.094	0.094	0.100	0.103	0.101	9.16
10)	TC	1,1-Dichloroet		0.164	0.192	0.188	0.183	0.184	0.185	0.194	0.199	0.186	5.58
11)	TP	Carbon disulfide		0.359	0.403	0.383	0.381	0.379	0.378	0.399	0.407	0.386	4.16
12)	TP	Freon-113		0.188	0.209	0.202	0.205	0.201	0.201	0.216	0.222	0.206	5.00
14)	TP	Acrolein					0.008	0.008	0.008	0.009	0.010	0.008#	8.83
15)	TP	Methylene chlo		0.439	0.311	0.275	0.213	0.214	0.208	0.216	0.220	*L	0.9994
17)	TP	Acetone		0.219	0.154	0.095	0.057	0.063	0.052	0.064	0.058	*Q	0.9947
18)	TP	trans-1,2-Dich		0.208	0.205	0.224	0.196	0.204	0.204	0.213	0.219	0.209	4.26
19)	TP	Methyl acetate			0.148	0.128	0.126	0.126	0.127	0.135	0.134	0.132	6.07
20)	TP	Methyl tert butyl ether		0.452	0.470	0.490	0.471	0.497	0.503	0.524	0.533	0.492	5.62
21)	TP	tert-Butyl alc		0.039	0.031	0.031	0.026	0.028	0.027	0.029	0.029	0.030	13.18
22)	TP	Diisopropyl ether		0.597	0.600	0.627	0.623	0.643	0.653	0.683	0.700	0.641	5.77
23)	TP	1,1-Dichloroet		0.298	0.339	0.350	0.337	0.340	0.342	0.358	0.366	0.341	5.97
24)	TP	Halothane		0.154	0.164	0.161	0.165	0.165	0.165	0.175	0.179	0.166	4.52
25)	TP	Acrylonitrile			0.071	0.067	0.058	0.059	0.059	0.063	0.063	0.063	7.97
26)	TP	Ethyl tert-but		0.595	0.577	0.620	0.614	0.640	0.645	0.680	0.694	0.633	6.32
27)	TP	Vinyl acetate		0.426	0.406	0.415	0.434	0.414	0.460	0.448	0.486	0.436	6.26
28)	TP	cis-1,2-Dichlo		0.235	0.231	0.242	0.219	0.229	0.223	0.233	0.237	0.231	3.20
29)	TP	2,2-Dichloropr		0.295	0.322	0.320	0.300	0.309	0.305	0.319	0.328	0.312	3.75
30)	TP	Bromochloromet		0.113	0.120	0.120	0.115	0.118	0.120	0.123	0.124	0.119	3.08
31)	TP	Cyclohexane		0.289	0.369	0.342	0.343	0.337	0.347	0.366	0.377	0.346	7.90
32)	TC	Chloroform		0.416	0.351	0.356	0.348	0.361	0.364	0.379	0.386	0.370	6.09
33)	TP	Ethyl acetate			0.185	0.209	0.186	0.203	0.202	0.212	0.215	0.202	5.98
34)	TP	Carbon tetrach		0.268	0.295	0.287	0.290	0.296	0.302	0.320	0.327	0.298	6.24
35)	TP	Tetrahydrofuran			0.072	0.061	0.067	0.069	0.068	0.071	0.073	0.069	5.58
36)	S	Dibromofluoromethane	0.264	0.263	0.265	0.266	0.260	0.263	0.267	0.264	0.268	0.264	0.92
37)	TP	1,1,1-Trichloroethane	0.276	0.319	0.360	0.320	0.318	0.320	0.321	0.336	0.343	0.324	7.14
39)	TP	2-Butanone			0.096	0.094	0.086	0.096	0.088	0.100	0.097	0.094	5.50
40)	TP	1,1-Dichloropropene	0.273	0.219	0.269	0.263	0.266	0.263	0.266	0.285	0.291	0.266	7.58

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2308387**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA129**	**Ical Ref**	**: ICAL19631**
Calibration dates	**: 12/27/22 23:14 12/28/22 02:00**		

Calibration Files

0.5 =V29221227N03.D 1 =V29221227N04.D 2 =V29221227N05.D 4 =V29221227N06.D 20 =V29221227N07.D

40 =V29221227N08.D 100 =V29221227N09.D 200 =V29221227N10.D 300 =V29221227N11.D

	Compound	0.5	1	2	4	20	40	100	200	300	Avg	%RSD
41) TP	Benzene	0.768	0.757	0.778	0.792	0.785	0.800	0.799	0.836	0.847	0.796	3.71
42) TP	Tertiary-Amyl Methyl Ether		0.570	0.551	0.569	0.576	0.605	0.612	0.641	0.655	0.597	6.22
43) S	1,2-Dichloroethane-d4	0.268	0.274	0.264	0.262	0.259	0.256	0.252	0.258	0.257	0.261	2.63
44) TP	1,2-Dichloroet		0.255	0.251	0.261	0.255	0.260	0.265	0.276	0.281	0.263	3.98
47) TP	Methyl cyclohe		0.297	0.386	0.361	0.382	0.369	0.376	0.399	0.409	0.372	9.21
48) TP	Trichloroethene	0.231	0.237	0.215	0.213	0.217	0.225	0.222	0.238	0.239	0.226	4.53
50) TP	Dibromomethane		0.128	0.128	0.133	0.128	0.133	0.136	0.141	0.143	0.134	4.31
51) TC	1,2-Dichloropr		0.191	0.204	0.216	0.209	0.212	0.215	0.225	0.230	0.213	5.61
53) TP	2-Chloroethyl		0.114	0.121	0.131	0.127	0.131	0.134	0.141	0.144	0.130	7.38
54) TP	Bromodichloromethane	0.236	0.269	0.280	0.273	0.283	0.295	0.300	0.313	0.320	0.285#	8.90
57) TP	1,4-Dioxane		0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.003	0.002#	4.72
58) TP	cis-1,3-Dichloropropene	0.319	0.317	0.321	0.346	0.343	0.357	0.360	0.376	0.381	0.347	6.97
59) I	Chlorobenzene-d5	----------ISTD----------										
60) S	Toluene-d8	1.248	1.234	1.257	1.246	1.248	1.246	1.259	1.251	1.250	1.249	0.57
61) TC	Toluene		0.597	0.663	0.663	0.640	0.650	0.658	0.686	0.699	0.657	4.65
62) TP	4-Methyl-2-pen		0.117	0.104	0.112	0.092	0.097	0.100	0.103	0.105	0.104	7.51
63) TP	Tetrachloroethene	0.293	0.281	0.326	0.316	0.323	0.321	0.322	0.340	0.344	0.318	6.34
65) TP	trans-1,3-Dich		0.323	0.369	0.382	0.389	0.403	0.414	0.429	0.440	0.394	9.42
67) TP	Ethyl methacry		0.286	0.306	0.311	0.316	0.326	0.336	0.349	0.356	0.323	7.21
68) TP	1,1,2-Trichlor		0.146	0.189	0.201	0.187	0.194	0.195	0.203	0.208	0.190#	10.15
69) TP	Chlorodibromomethane	0.274	0.272	0.289	0.305	0.299	0.310	0.321	0.334	0.337	0.305	7.75
70) TP	1,3-Dichloropr		0.340	0.362	0.373	0.373	0.386	0.393	0.408	0.413	0.381	6.37
71) TP	1,2-Dibromoethane	0.248	0.242	0.234	0.243	0.239	0.249	0.252	0.264	0.267	0.249	4.42
72) TP	2-Hexanone		0.206	0.165	0.169	0.167	0.185	0.184	0.198	0.199	0.184	8.63
73) TP	Chlorobenzene	0.771	0.694	0.770	0.760	0.751	0.761	0.773	0.795	0.799	0.764	4.01
74) TC	Ethylbenzene		1.104	1.247	1.241	1.238	1.226	1.246	1.289	1.284	1.234	4.64
75) TP	1,1,1,2-Tetrachloroethane	0.260	0.244	0.269	0.281	0.288	0.297	0.305	0.313	0.319	0.286	8.84
76) TP	p/m Xylene	0.479	0.443	0.512	0.519	0.504	0.504	0.507	0.521	0.518	0.501	4.98
77) TP	o Xylene	0.436	0.449	0.481	0.476	0.475	0.473	0.480	0.495	0.493	0.473	4.05
78) TP	Styrene	0.749	0.720	0.779	0.777	0.779	0.781	0.797	0.802	0.760	0.772	3.30
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------										
80) TP	Bromoform		0.333	0.350	0.380	0.396	0.404	0.413	0.433	0.435	0.393	9.39
82) TP	Isopropylbenzene		2.011	2.276	2.215	2.338	2.237	2.299	2.397	2.333	2.263	5.18
83) S	4-Bromofluorobenzene	0.830	0.830	0.837	0.817	0.822	0.821	0.817	0.829	0.820	0.825	0.86
84) TP	Bromobenzene		0.580	0.655	0.633	0.646	0.640	0.651	0.673	0.674	0.644	4.61
85) TP	n-Propylbenzene		2.280	2.717	2.606	2.711	2.632	2.721	2.785	2.652	2.638	5.90

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2308387**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA129**	**Ical Ref**	**: ICAL19631**
Calibration dates	**: 12/27/22 23:14 12/28/22 02:00**		

Calibration Files

0.5 =V29221227N03.D 1 =V29221227N04.D 2 =V29221227N05.D 4 =V29221227N06.D 20 =V29221227N07.D

40 =V29221227N08.D 100 =V29221227N09.D 200 =V29221227N10.D 300 =V29221227N11.D

	Compound	0.5	1	2	4	20	40	100	200	300	Avg	%RSD
86) TP	1,4-Dichlorobu		0.656	0.606	0.631	0.641	0.639	0.672	0.717	0.722	0.661	6.21
87) TP	1,1,2,2-Tetrachloroethane	0.536	0.520	0.543	0.525	0.552	0.541	0.582	0.604	0.612	0.557	6.06
88) TP	4-Ethyltoluene		1.992	2.182	2.188	2.306	2.228	2.294	2.375	2.299	2.233	5.27
89) TP	2-Chlorotoluene		1.449	1.601	1.496	1.546	1.499	1.546	1.617	1.634	1.549	4.22
90) TP	1,3,5-Trimethy		1.734	1.938	1.904	1.996	1.948	2.007	2.082	2.020	1.954	5.35
91) TP	1,2,3-Trichlor		0.372	0.405	0.409	0.420	0.431	0.448	0.472	0.476	0.429	8.16
92) TP	trans-1,4-Dich		0.157	0.147	0.163	0.151	0.148	0.160	0.173	0.177	0.159	6.99
93) TP	4-Chlorotoluene		1.436	1.674	1.567	1.649	1.624	1.671	1.740	1.709	1.634	5.84
94) TP	tert-Butylbenzene		1.537	1.731	1.706	1.760	1.718	1.783	1.838	1.790	1.733	5.20
97) TP	1,2,4-Trimethy		1.706	1.851	1.847	1.949	1.924	2.004	2.068	2.001	1.919	5.98
98) TP	sec-Butylbenzene		2.171	2.522	2.450	2.579	2.479	2.558	2.642	2.524	2.491	5.71
99) TP	p-Isopropyltol		1.881	2.168	2.105	2.300	2.205	2.282	2.346	2.244	2.191	6.70
100) TP	1,3-Dichlorobe		1.043	1.156	1.191	1.224	1.195	1.227	1.261	1.236	1.192	5.73
101) TP	1,4-Dichlorobe		1.180	1.210	1.198	1.228	1.204	1.238	1.279	1.241	1.222	2.53
102) TP	p-Diethylbenzene		1.157	1.290	1.237	1.362	1.317	1.378	1.437	1.398	1.322	6.98
103) TP	n-Butylbenzene		1.529	1.760	1.765	1.931	1.883	1.939	2.035	1.951	1.849	8.64
104) TP	1,2-Dichlorobe		1.027	1.110	1.107	1.159	1.135	1.175	1.209	1.187	1.138	5.08
105) TP	1,2,4,5-Tetram		1.750	1.856	1.907	2.028	2.056	2.133	2.199	2.135	2.008	7.77
106) TP	1,2-Dibromo-3-		0.112	0.110	0.115	0.115	0.118	0.122	0.128	0.127	0.118	5.67
107) TP	1,3,5-Trichlor		0.827	0.914	0.927	0.959	0.950	0.969	0.999	0.976	0.940	5.66
108) TP	Hexachlorobuta		0.435	0.527	0.473	0.517	0.506	0.517	0.525	0.515	0.502	6.34
109) TP	1,2,4-Trichlor		0.781	0.818	0.832	0.887	0.882	0.900	0.922	0.909	0.866	5.80
110) TP	Naphthalene		1.935	1.928	1.901	1.948	1.969	2.033	2.090	2.044	1.981	3.37
111) TP	1,2,3-Trichlor		0.777	0.784	0.784	0.824	0.828	0.845	0.865	0.869	0.822	4.48

Response Factor Report Gonzo

Method Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Method File : G_221018N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Oct 19 09:56:39 2022
Response Via : Initial Calibration

Calibration Files
L11 =VG221018N03.D L1 =VG221018N05.D L2 =VG221018N07.D L3 =VG221018N09.D L4 =VG221018N10.D
L6 =VG221018N11.D L8 =VG221018N12.D L10 =VG221018N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------	ISTD	----------							
2)	TP	Dichlorodifluo...		0.145	0.147	0.154	0.155	0.162	0.156	0.155	0.153	3.78
3)	TP	Chloromethane		0.232	0.193	0.190	0.193	0.204	0.203	0.200	0.202	6.95
4)	TC	Vinyl chloride	0.163	0.141	0.166	0.184	0.191	0.201	0.199	0.197	0.180	11.97
5)	TP	Bromomethane		0.107	0.080	0.077	0.087	0.099	0.103	0.104	0.094	12.87
6)	TP	Chloroethane		0.061	0.052	0.053	0.055	0.053	0.045	0.040	0.051	13.40
7)	TP	Trichlorofluor...		0.157	0.210	0.212	0.238	0.253	0.248	0.248	0.224	15.35
8)	TP	Ethyl ether		0.056	0.074	0.076	0.077	0.082	0.080	0.080	0.075	11.74
10)	TC	1,1-Dichloroet...		0.148	0.144	0.149	0.152	0.160	0.159	0.161	0.153	4.42
11)	TP	Carbon disulfide		0.321	0.363	0.386	0.405	0.436	0.431	0.428	0.396	10.68
12)	TP	Freon-113		0.110	0.141	0.159	0.166	0.176	0.170	0.169	0.156	14.71
13)	TP	Iodomethane			0.147	0.189	0.211	0.227	0.225	0.218	0.203	14.99
14)	TP	Acrolein			0.024	0.025	0.025	0.028	0.028	0.027	0.026	7.11
15)	TP	Methylene chlo...		0.217	0.174	0.162	0.164	0.174	0.171	0.168	0.176	10.77
17)	TP	Acetone			0.055	0.048	0.047	0.050	0.049	0.048	0.049	5.90
18)	TP	trans-1,2-Dich...		0.147	0.157	0.160	0.163	0.172	0.170	0.167	0.162	5.47
19)	TP	Methyl acetate			0.131	0.113	0.114	0.123	0.121	0.120	0.120	5.50
20)	TP	Methyl tert-bu...		0.362	0.383	0.409	0.418	0.452	0.444	0.435	0.415	7.96
21)	TP	tert-Butyl alc...		0.016	0.017	0.017	0.017	0.018	0.018	0.018	0.017	5.05
22)	TP	Diisopropyl ether		0.467	0.485	0.539	0.562	0.614	0.608	0.598	0.553	10.73
23)	TP	1,1-Dichloroet...		0.240	0.280	0.301	0.310	0.329	0.324	0.319	0.300	10.44
24)	TP	Halothane		0.106	0.119	0.128	0.132	0.141	0.138	0.138	0.129	9.63
25)	TP	Acrylonitrile		0.054	0.053	0.054	0.054	0.059	0.059	0.058	0.056	4.35
26)	TP	Ethyl tert-but...		0.441	0.460	0.501	0.524	0.570	0.564	0.554	0.516	9.94
27)	TP	Vinyl acetate		0.319	0.306	0.316	0.334	0.376	0.365	0.383	0.343	9.16
28)	TP	cis-1,2-Dichlo...		0.186	0.180	0.178	0.181	0.193	0.189	0.186	0.185#	2.85
29)	TP	2,2-Dichloropr...		0.218	0.237	0.251	0.255	0.265	0.258	0.251	0.248	6.30
30)	TP	Bromochloromet...		0.076	0.075	0.080	0.079	0.084	0.083	0.080	0.079#	4.28
31)	TP	Cyclohexane		0.260	0.325	0.336	0.343	0.362	0.352	0.352	0.333	10.31
32)	TC	Chloroform		0.295	0.276	0.281	0.283	0.304	0.300	0.295	0.291	3.61
33)	TP	Ethyl acetate		0.154	0.149	0.155	0.162	0.177	0.175	0.172	0.163	6.89

Method Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Method File : G_221018N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Oct 19 09:56:39 2022
Response Via : Initial Calibration

Calibration Files
L11 =VG221018N03.D L1 =VG221018N05.D L2 =VG221018N07.D L3 =VG221018N09.D L4 =VG221018N10.D
L6 =VG221018N11.D L8 =VG221018N12.D L10 =VG221018N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP	Carbon tetrach...	0.221	0.175	0.199	0.217	0.228	0.240	0.238	0.236	0.219	10.21
35)	TP	Tetrahydrofuran		0.057	0.052	0.051	0.055	0.053	0.052	0.053		4.11
36)	S	Dibromofluorom...	0.252	0.253	0.257	0.251	0.248	0.247	0.244	0.244	0.249	1.87
37)	TP	1,1,1-Trichlor...		0.228	0.229	0.249	0.254	0.268	0.264	0.262	0.250	6.50
39)	TP	2-Butanone			0.075	0.075	0.081	0.086	0.085	0.081	0.080	5.86
40)	TP	1,1-Dichloropr...		0.173	0.201	0.227	0.237	0.252	0.248	0.247	0.227	12.94
41)	TP	Benzene	0.745	0.546	0.616	0.679	0.701	0.746	0.738	0.727	0.687	10.45
42)	TP	tert-Amyl meth...		0.396	0.414	0.456	0.475	0.518	0.513	0.504	0.468	10.36
43)	S	1,2-Dichloroet...	0.299	0.295	0.302	0.308	0.282	0.281	0.281	0.288	0.292	3.60
44)	TP	1,2-Dichloroet...		0.192	0.193	0.205	0.208	0.221	0.217	0.212	0.207	5.35
47)	TP	Methyl cyclohe...		0.311	0.319	0.343	0.348	0.372	0.363	0.363	0.345	6.65
48)	TP	Trichloroethene	0.250	0.177	0.165	0.176	0.182	0.191	0.189	0.183	0.189#	13.64
50)	TP	Dibromomethane		0.079	0.087	0.093	0.095	0.101	0.099	0.097	0.093	8.27
51)	TC	1,2-Dichloropr...		0.144	0.156	0.170	0.175	0.185	0.183	0.180	0.170	8.88
53)	TP	2-Chloroethyl ...		0.078	0.087	0.099	0.104	0.113	0.112	0.110	0.100	13.20
54)	TP	Bromodichlorom...		0.209	0.221	0.220	0.224	0.237	0.239	0.231	0.226#	4.71
57)	TP	1,4-Dioxane		0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002#	12.27
58)	TP	cis-1,3-Dichlo...	0.289	0.226	0.248	0.273	0.284	0.303	0.301	0.296	0.278#	9.90
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.292	1.289	1.289	1.278	1.291	1.295	1.290	1.297	1.290	0.45
61)	TC	Toluene		0.478	0.501	0.539	0.561	0.594	0.586	0.574	0.548	8.04
62)	TP	4-Methyl-2-pen...		0.085	0.073	0.075	0.077	0.084	0.083	0.081	0.080	5.66
63)	TP	Tetrachloroethene		0.188	0.222	0.237	0.256	0.272	0.268	0.266	0.244	12.55
65)	TP	trans-1,3-Dich...	0.293	0.248	0.276	0.305	0.324	0.351	0.347	0.343	0.311	11.97
67)	TP	Ethyl methacry...		0.265	0.259	0.272	0.276	0.295	0.290	0.285	0.277	4.80
68)	TP	1,1,2-Trichlor...		0.202	0.152	0.146	0.152	0.163	0.159	0.157	0.162#	11.49
69)	TP	Chlorodibromom...		0.180	0.184	0.197	0.213	0.230	0.230	0.228	0.209	10.51
70)	TP	1,3-Dichloropr...		0.268	0.277	0.305	0.319	0.344	0.339	0.336	0.313	9.74
71)	TP	1,2-Dibromoethane		0.153	0.160	0.173	0.182	0.198	0.197	0.194	0.180#	10.16
72)	TP	2-Hexanone		0.165	0.126	0.137	0.146	0.160	0.152	0.153	0.148	9.04
73)	TP	Chlorobenzene		0.507	0.541	0.582	0.607	0.645	0.642	0.634	0.594	9.01

Response Factor Report Gonzo

Method Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Method File : G_221018N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Oct 19 09:56:39 2022
Response Via : Initial Calibration

Calibration Files
L11 =VG221018N03.D L1 =VG221018N05.D L2 =VG221018N07.D L3 =VG221018N09.D L4 =VG221018N10.D
L6 =VG221018N11.D L8 =VG221018N12.D L10 =VG221018N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74)	TC	Ethylbenzene	1.161	0.915	0.968	1.035	1.080	1.142	1.133	1.127	1.070	8.37
75)	TP	1,1,1,2-Tetrac...		0.174	0.188	0.204	0.213	0.232	0.230	0.230	0.210	10.85
76)	TP	p/m Xylene	0.451	0.340	0.378	0.411	0.430	0.456	0.449	0.435	0.419	9.72
77)	TP	o Xylene		0.335	0.362	0.395	0.412	0.435	0.429	0.412	0.397	9.23
78)	TP	Styrene	0.664	0.535	0.588	0.646	0.673	0.714	0.704	0.671	0.649	9.24
79)	I	1,4-Dichlorobenzene-d4	ISTD									
80)	TP	Bromoform		0.219	0.222	0.248	0.262	0.287	0.291	0.280	0.258	11.54
82)	TP	Isopropylbenzene		1.472	1.614	1.814	1.852	1.986	2.000	1.950	1.813	11.06
83)	S	4-Bromofluorob...	0.900	0.890	0.890	0.885	0.871	0.876	0.883	0.866	0.883	1.26
84)	TP	Bromobenzene		0.400	0.417	0.451	0.455	0.495	0.492	0.478	0.455	8.04
85)	TP	n-Propylbenzene		1.774	2.015	2.217	2.268	2.407	2.414	2.316	2.202	10.54
86)	TP	1,4-Dichlorobu...		0.552	0.513	0.556	0.563	0.606	0.614	0.592	0.571	6.22
87)	TP	1,1,2,2-Tetrac...		0.500	0.396	0.393	0.397	0.435	0.429	0.422	0.425	8.80
88)	TP	4-Ethyltoluene		1.504	1.656	1.820	1.868	1.999	1.998	1.935	1.826	10.14
89)	TP	2-Chlorotoluene		1.055	1.181	1.298	1.323	1.408	1.410	1.375	1.293	10.16
90)	TP	1,3,5-Trimethy...		1.312	1.448	1.577	1.607	1.731	1.731	1.663	1.581	9.74
91)	TP	1,2,3-Trichlor...		0.327	0.327	0.352	0.351	0.378	0.379	0.360	0.353	6.06
92)	TP	trans-1,4-Dich...		0.125	0.131	0.119	0.119	0.131	0.132	0.129	0.127	4.42
93)	TP	4-Chlorotoluene		1.169	1.202	1.300	1.341	1.448	1.463	1.410	1.333	8.74
94)	TP	tert-Butylbenzene		1.067	1.216	1.349	1.387	1.481	1.498	1.438	1.348	11.58
97)	TP	1,2,4-Trimethy...		1.265	1.393	1.519	1.534	1.663	1.668	1.615	1.522	9.77
98)	TP	sec-Butylbenzene		1.591	1.833	2.034	2.080	2.235	2.233	2.135	2.020	11.56
99)	TP	p-Isopropyltol...		1.338	1.541	1.768	1.800	1.927	1.910	1.844	1.733	12.47
100)	TP	1,3-Dichlorobe...		0.712	0.767	0.853	0.877	0.941	0.948	0.917	0.859	10.46
101)	TP	1,4-Dichlorobe...		0.748	0.789	0.850	0.878	0.944	0.943	0.917	0.867	8.80
102)	TP	p-Diethylbenzene		0.805	0.900	1.024	1.059	1.137	1.148	1.123	1.028	12.73
103)	TP	n-Butylbenzene		1.130	1.342	1.497	1.538	1.620	1.631	1.592	1.479	12.34
104)	TP	1,2-Dichlorobe...		0.678	0.722	0.801	0.814	0.873	0.876	0.851	0.802	9.49
105)	TP	1,2,4,5-Tetram...		1.069	1.154	1.268	1.298	1.427	1.476	1.457	1.307	11.99
106)	TP	1,2-Dibromo-3-...		0.072	0.072	0.074	0.076	0.085	0.085	0.083	0.078	7.64
107)	TP	1,3,5-Trichlor...		0.515	0.557	0.623	0.651	0.703	0.709	0.678	0.634	11.69

Method Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Method File : G_221018N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Oct 19 09:56:39 2022
Response Via : Initial Calibration

Calibration Files
L11 =VG221018N03.D L1 =VG221018N05.D L2 =VG221018N07.D L3 =VG221018N09.D L4 =VG221018N10.D
L6 =VG221018N11.D L8 =VG221018N12.D L10 =VG221018N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
108)	TP Hexachlorobuta...	0.240	0.280	0.313	0.336	0.360	0.369	0.351	0.321	14.63	
109)	TP 1,2,4-Trichlor...	0.405	0.447	0.494	0.518	0.571	0.582	0.555	0.510	12.98	
110)	TP Naphthalene	0.907	0.876	0.974	0.999	1.097	1.130	1.098	1.011	9.87	
111)	TP 1,2,3-Trichlor...	0.328	0.369	0.399	0.422	0.465	0.470	0.440	0.413	12.54	

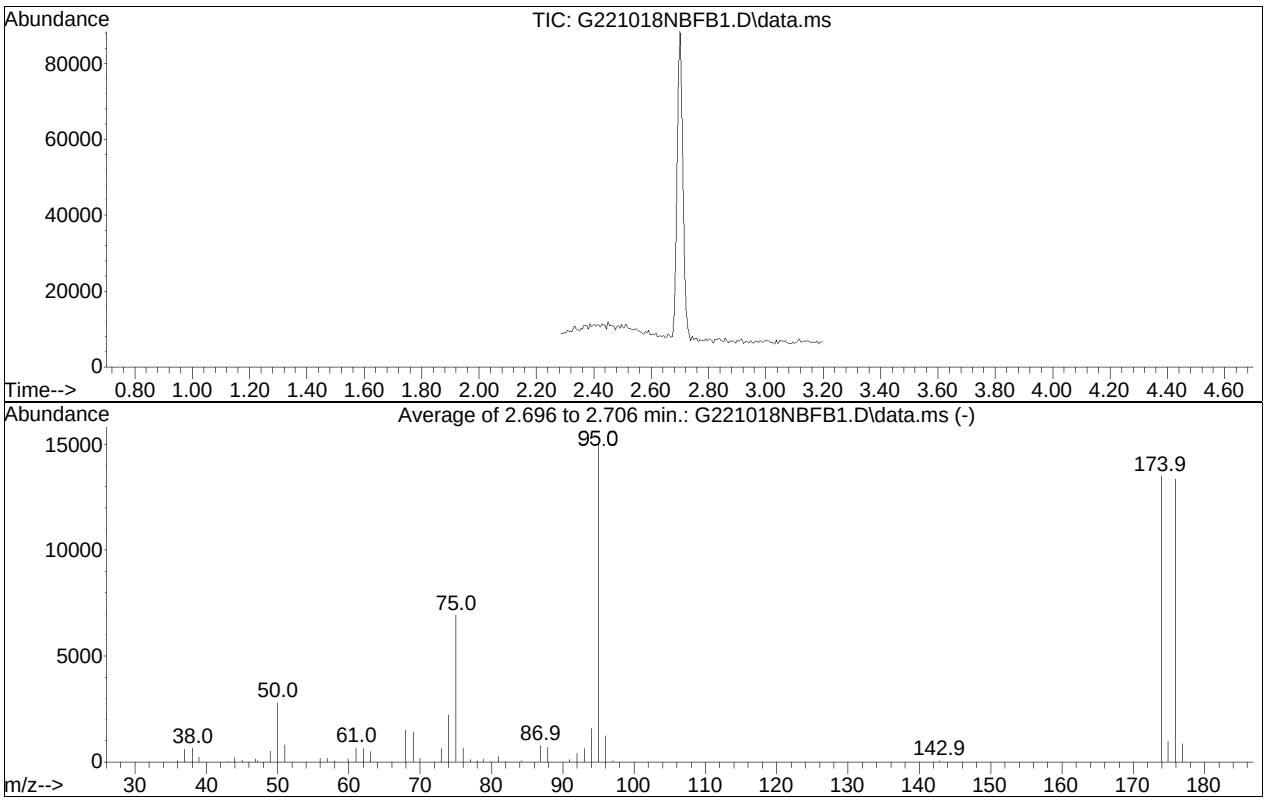
(#) = Out of Range

BFB

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : G221018NBFB1.D
Acq On : 18 Oct 2022 9:12 pm
Operator : GONZO:AJK
Sample : WG1701421-1
Misc : WG1701421
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Oct 19 09:56:39 2022



AutoFind: Scans 79, 80, 81; Background Corrected with Scan 73

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	2791	PASS
75	95	30	60	46.0	6936	PASS
95	95	100	100	100.0	15068	PASS
96	95	5	9	8.3	1249	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	89.6	13501	PASS
175	174	5	9	7.4	1001	PASS
176	174	95	101	99.0	13360	PASS
177	176	5	9	6.6	877	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N03.D
Acq On : 18 Oct 2022 10:22 pm
Operator : GONZO:MKS
Sample : I8260STD0.19PPB
Misc : WG1701421
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 19 09:47:43 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-L11 - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.208	96	468162	10.000	ug/L	0.00
Standard Area 1 = 482021			Recovery = 97.12%			
59) Chlorobenzene-d5	9.769	117	367003	10.000	ug/L	0.00
Standard Area 1 = 382099			Recovery = 96.05%			
79) 1,4-Dichlorobenzene-d4	12.426	152	209458	10.000	ug/L	0.00
Standard Area 1 = 219687			Recovery = 95.34%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.395	113	118125	10.068	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.68%			
43) 1,2-Dichloroethane-d4	5.927	65	139829	9.692	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.92%			
60) Toluene-d8	7.908	98	474213	10.113	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.13%			
83) 4-Bromofluorobenzene	11.233	95	188508	10.168	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.68%			
Target Compounds						Qvalue
4) Vinyl chloride	2.006	62	1451	0.169	ug/L	85
34) Carbon tetrachloride	5.357	117	1969	0.194	ug/L	92
41) Benzene	5.790	78	6627	0.208	ug/L #	84
48) Trichloroethene	6.390	95	2222	0.270	ug/L #	58
58) cis-1,3-Dichloropropene	7.707	75	2569	0.201	ug/L	94
65) trans-1,3-Dichloropropene	8.467	75	2043	0.182	ug/L	87
74) Ethylbenzene	9.826	91	8095M1	0.213	ug/L	
76) p/m Xylene	10.007	106	6289	0.417	ug/L	95
78) Styrene	10.608	104	9265	0.391	ug/L	94

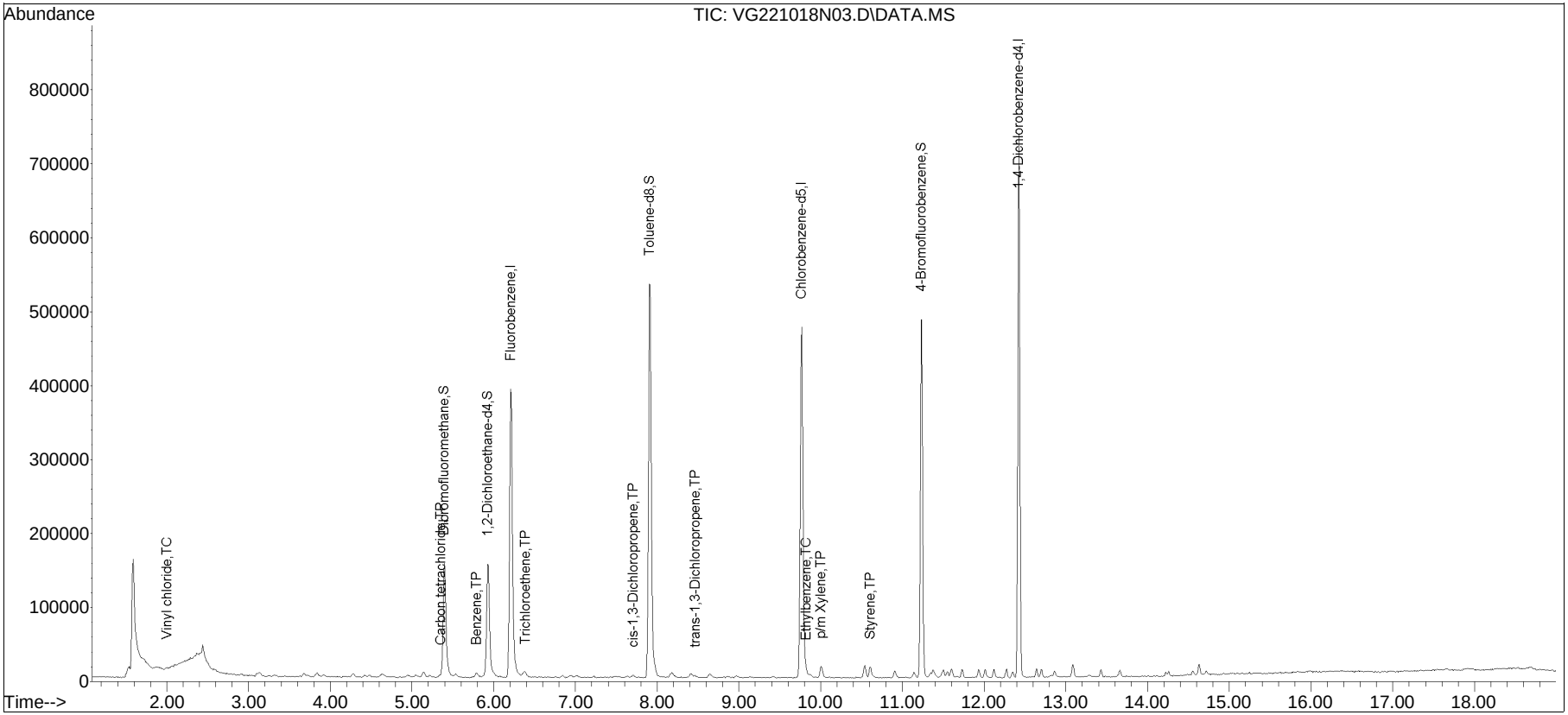
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N03.D
Acq On : 18 Oct 2022 10:22 pm
Operator : GONZO:MKS
Sample : I8260STD0.19PPB
Misc : WG1701421
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 19 09:47:43 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

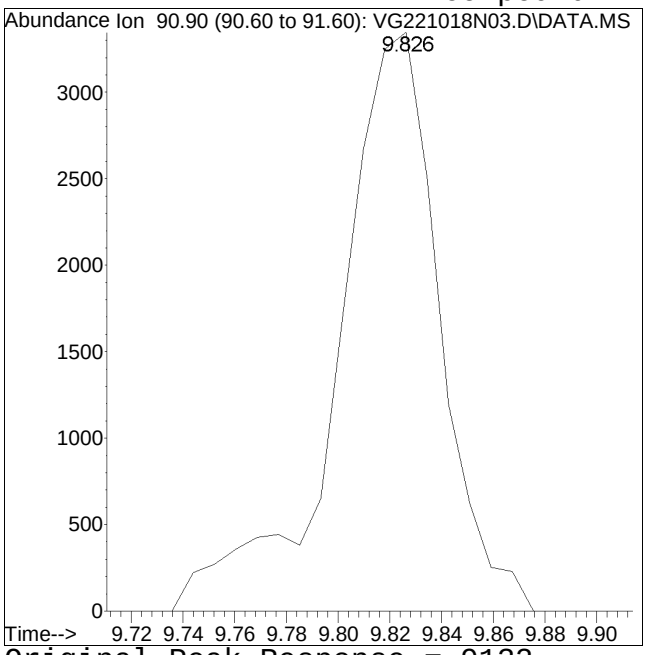
Sub List : 8260-L11 - Level 11 for 8260-LRR productG221018N09.D•

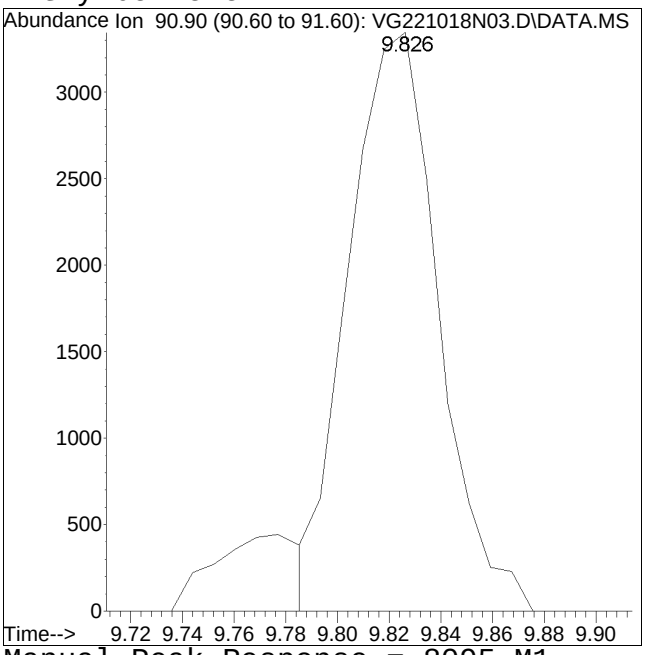


Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N03.D Operator : GONZO:MKS
Date Inj'd : 10/18/2022 10:22 pm Instrument : Gonzo
Sample : I8260STD0.19PPB Quant Date : 10/19/2022 9:45 am

Compound #74: Ethylbenzene





Original Peak Response = 9132 Manual Peak Response = 8095 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N05.D
Acq On : 18 Oct 2022 11:14 pm
Operator : GONZO:MKS
Sample : I8260STD0.5PPB
Misc : WG1701421
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 19 09:49:08 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.215	96	472892	10.000 ug/L	0.00
Standard Area 1 = 482021			Recovery = 98.11%		
59) Chlorobenzene-d5	9.769	117	372412	10.000 ug/L	0.00
Standard Area 1 = 382099			Recovery = 97.46%		
79) 1,4-Dichlorobenzene-d4	12.426	152	214754	10.000 ug/L	0.00
Standard Area 1 = 219687			Recovery = 97.75%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.402	113	119633	10.094 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.94%		
43) 1,2-Dichloroethane-d4	5.934	65	139713	9.587 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.87%		
60) Toluene-d8	7.908	98	479967	10.087 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.87%		
83) 4-Bromofluorobenzene	11.233	95	191180	10.058 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.58%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.725	85	3418	0.469 ug/L #	86
3) Chloromethane	1.938	50	5476	0.608 ug/L #	92
4) Vinyl chloride	2.007	62	3332	0.383 ug/L	90
5) Bromomethane	2.333	94	2529	0.692 ug/L #	77
6) Chloroethane	2.432	64	1440	0.573 ug/L #	1
7) Trichlorofluoromethane	2.584	101	3710	0.371 ug/L	84
8) Ethyl ether	2.911	74	1324	0.366 ug/L #	27
10) 1,1-Dichloroethene	3.101	96	3505	0.498 ug/L #	77
11) Carbon disulfide	3.139	76	7585	0.415 ug/L	99
12) Freon-113	3.139	101	2610	0.347 ug/L #	74
13) Iodomethane	3.245	142	2557	0.286 ug/L #	86
14) Acrolein	0.000		0	N.D. d	
15) Methylene chloride	3.678	84	5141	0.671 ug/L	94
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	3.830	96	3469	0.459 ug/L	94
19) Methyl acetate	3.845	43	5762	1.083 ug/L #	87
20) Methyl tert-butyl ether	3.921	73	8551	0.442 ug/L #	83
21) tert-Butyl alcohol	4.012	59	1900	2.334 ug/L #	80
22) Diisopropyl ether	4.278	45	11038	0.433 ug/L	97
23) 1,1-Dichloroethane	4.430	63	5667	0.398 ug/L	86
24) Halothane	4.476	117	2508	0.414 ug/L	87

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N05.D
Acq On : 18 Oct 2022 11:14 pm
Operator : GONZO:MKS
Sample : I8260STD0.5PPB
Misc : WG1701421
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 19 09:49:08 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.476	53	1278	0.499	ug/L	#	71
26) Ethyl tert-butyl ether	4.635	59	10420	0.440	ug/L		87
27) Vinyl acetate	4.658	43	7554	0.505	ug/L	#	90
28) cis-1,2-Dichloroethene	4.954	96	4406	0.523	ug/L		92
29) 2,2-Dichloropropane	5.045	77	5154	0.434	ug/L		93
30) Bromochloromethane	5.152	128	1789	0.474	ug/L	#	82
31) Cyclohexane	5.137	56	6151	0.387	ug/L		90
32) Chloroform	5.220	83	6986	0.525	ug/L	#	94
33) Ethyl acetate	5.327	43	3631	0.494	ug/L	#	87
34) Carbon tetrachloride	5.349	117	4142	0.403	ug/L	#	92
35) Tetrahydrofuran	0.000		0	N.D.	d		
37) 1,1,1-Trichloroethane	5.410	97	5390	0.458	ug/L	#	94
39) 2-Butanone	0.000		0	N.D.	d		
40) 1,1-Dichloropropene	5.539	75	4102	0.381	ug/L		94
41) Benzene	5.790	78	12918	0.402	ug/L		93
42) tert-Amyl methyl ether	5.896	73	9370	0.435	ug/L	#	88
44) 1,2-Dichloroethane	6.003	62	4543	0.468	ug/L		96
47) Methyl cyclohexane	6.375	83	7350	0.453	ug/L		96
48) Trichloroethene	6.390	95	4187	0.504	ug/L	#	78
50) Dibromomethane	6.846	93	1860	0.424	ug/L	#	86
51) 1,2-Dichloropropane	6.945	63	3408	0.424	ug/L		97
53) 2-Chloroethyl vinyl ether	7.636	63	1855	0.395	ug/L	#	65
54) Bromodichloromethane	7.020	83	4941	0.476	ug/L	#	89
57) 1,4-Dioxane	7.228	88	6199	75.028	ug/L	#	78
58) cis-1,3-Dichloropropene	7.715	75	5344	0.413	ug/L	#	88
61) Toluene	7.973	92	8902	0.443	ug/L		97
62) 4-Methyl-2-pentanone	8.417	58	1580	0.564	ug/L	#	92
63) Tetrachloroethene	8.424	166	3508	0.397	ug/L		98
65) trans-1,3-Dichloropropene	8.467	75	4624	0.407	ug/L		85
67) Ethyl methacrylate	8.639	69	4938	0.488	ug/L		85
68) 1,1,2-Trichloroethane	8.639	83	3757	0.692	ug/L		84
69) Chlorodibromomethane	8.868	129	3344	0.455	ug/L		88
70) 1,3-Dichloropropane	8.975	76	4989	0.439	ug/L		99
71) 1,2-Dibromoethane	9.147	107	2852	0.443	ug/L		97
72) 2-Hexanone	9.427	43	3065	0.601	ug/L		91
73) Chlorobenzene	9.785	112	9434	0.435	ug/L	#	64
74) Ethylbenzene	9.818	91	17045M1	0.442	ug/L		
75) 1,1,1,2-Tetrachloroethane	9.876	131	3239	0.427	ug/L	#	65
76) p/m Xylene	10.007	106	12649	0.826	ug/L		96
77) o Xylene	10.542	106	12462	0.847	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N05.D
Acq On : 18 Oct 2022 11:14 pm
Operator : GONZO:MKS
Sample : I8260STD0.5PPB
Misc : WG1701421
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 19 09:49:08 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.608	104	19929	0.828	ug/L		94
80) Bromoform	10.641	173	2348	0.441	ug/L		95
82) Isopropylbenzene	10.912	105	15802	0.406	ug/L		100
84) Bromobenzene	11.348	156	4293	0.444	ug/L		98
85) n-Propylbenzene	11.381	91	19044	0.400	ug/L		100
86) 1,4-Dichlorobutane	11.406	55	5925	0.497	ug/L		99
87) 1,1,2,2-Tetrachloroethane	11.472	83	5367	0.635	ug/L		92
88) 4-Ethyltoluene	11.504	105	16153	0.413	ug/L		97
89) 2-Chlorotoluene	11.554	91	11329M1	0.407	ug/L		
90) 1,3,5-Trimethylbenzene	11.603	105	14090	0.416	ug/L		97
91) 1,2,3-Trichloropropane	11.611	75	3507	0.463	ug/L		97
92) trans-1,4-Dichloro-2-b...	11.661	53	1347	0.527	ug/L	#	65
93) 4-Chlorotoluene	11.735	91	12549	0.449	ug/L		95
94) tert-Butylbenzene	11.932	119	11461	0.396	ug/L		95
97) 1,2,4-Trimethylbenzene	12.015	105	13579	0.416	ug/L		99
98) sec-Butylbenzene	12.121	105	17083	0.391	ug/L		98
99) p-Isopropyltoluene	12.270	119	14368	0.378	ug/L		97
100) 1,3-Dichlorobenzene	12.352	146	7642	0.417	ug/L		95
101) 1,4-Dichlorobenzene	12.442	146	8027	0.440	ug/L	#	76
102) p-Diethylbenzene	12.640	119	8640	0.393	ug/L		96
103) n-Butylbenzene	12.706	91	12133	0.377	ug/L		97
104) 1,2-Dichlorobenzene	12.862	146	7277	0.423	ug/L		96
105) 1,2,4,5-Tetramethylben...	13.429	119	11475	0.421	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.635	155	777	0.488	ug/L		98
107) 1,3,5-Trichlorobenzene	13.660	180	5526	0.413	ug/L	#	93
108) Hexachlorobutadiene	14.227	225	2579	0.384	ug/L		95
109) 1,2,4-Trichlorobenzene	14.260	180	4345	0.409	ug/L		100
110) Naphthalene	14.556	128	9734	0.466	ug/L		100
111) 1,2,3-Trichlorobenzene	14.721	180	3522	0.411	ug/L	#	94

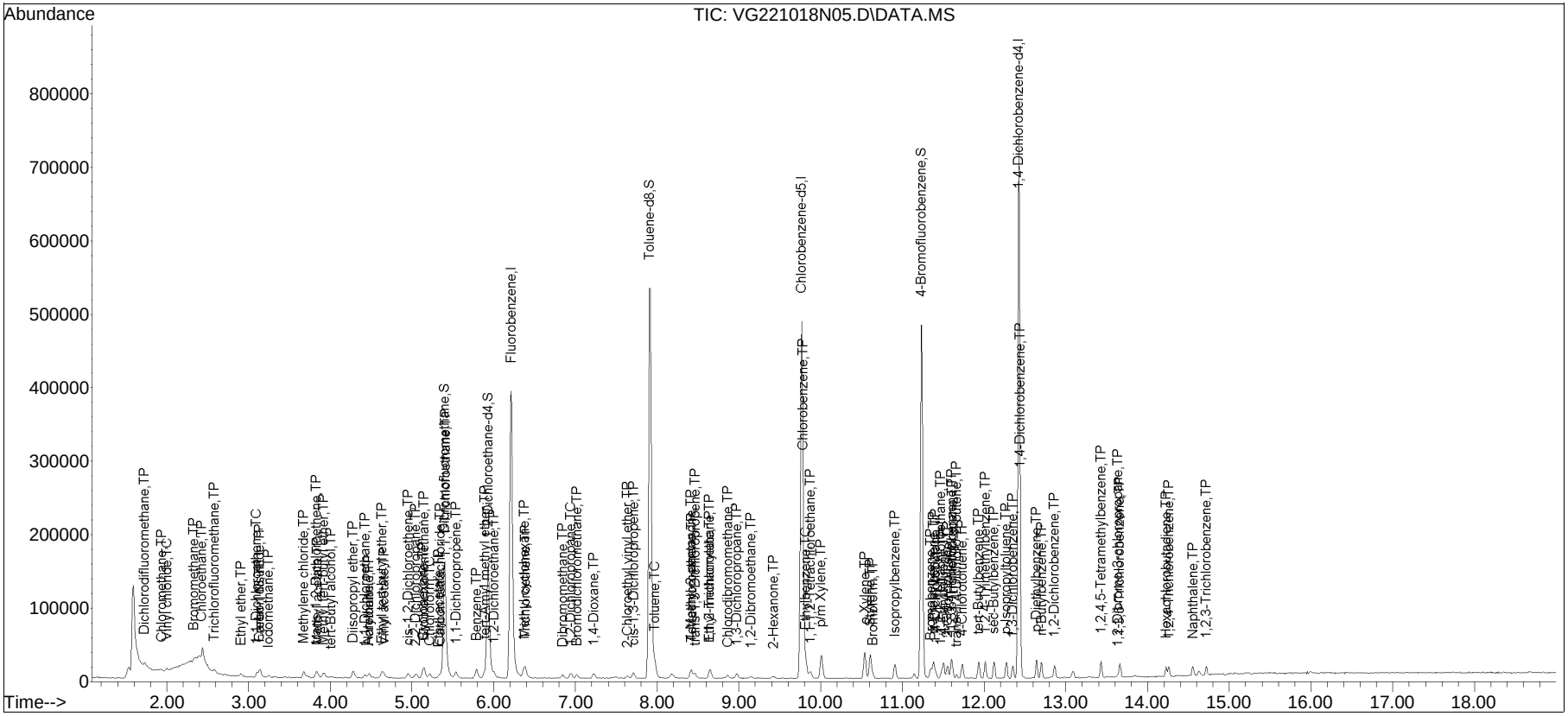
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N05.D
Acq On : 18 Oct 2022 11:14 pm
Operator : GONZO:MKS
Sample : I8260STD0.5PPB
Misc : WG1701421
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 19 09:49:08 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

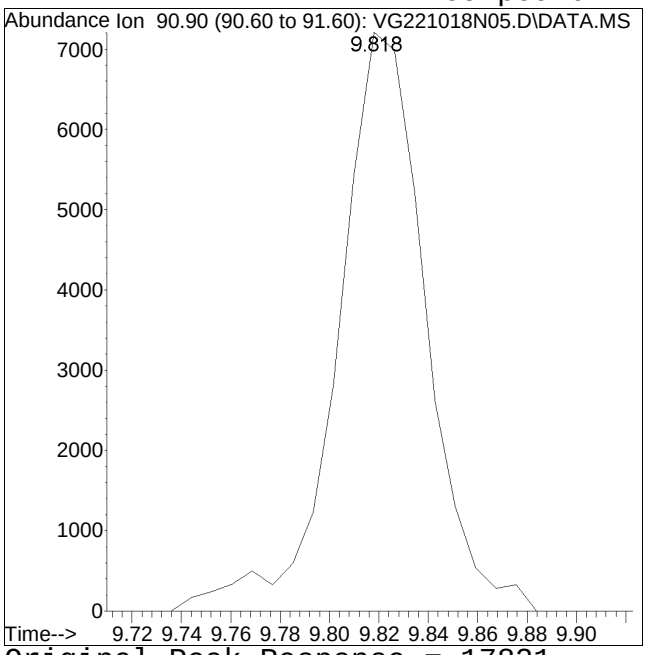
Sub List : 8260-Curve - Megamix plus Diox1018ICAL\VG221018N09.D•

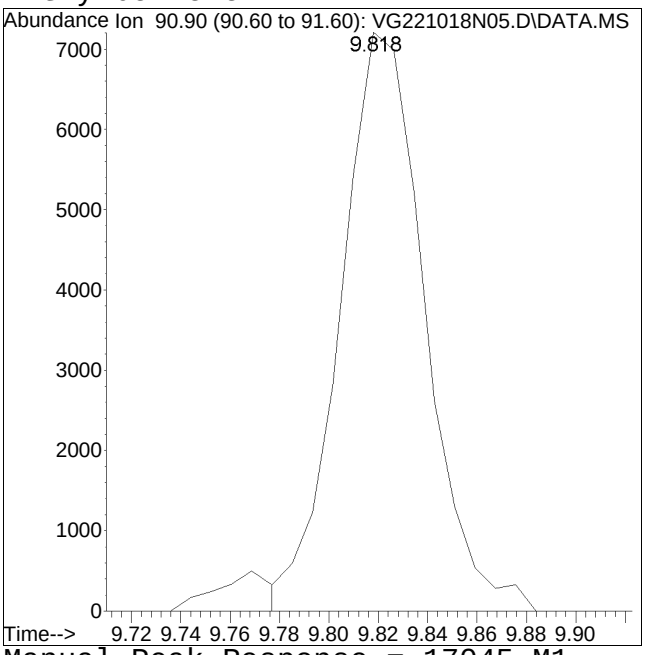


Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N05.D Operator : GONZO:MKS
Date Inj'd : 10/18/2022 11:14 pm Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 10/19/2022 9:45 am

Compound #74: Ethylbenzene





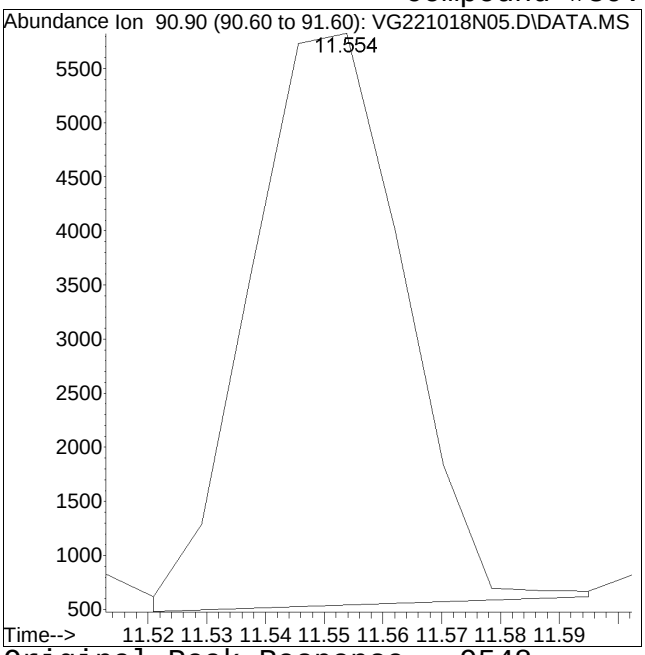
Original Peak Response = 17821 Manual Peak Response = 17045 M1

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

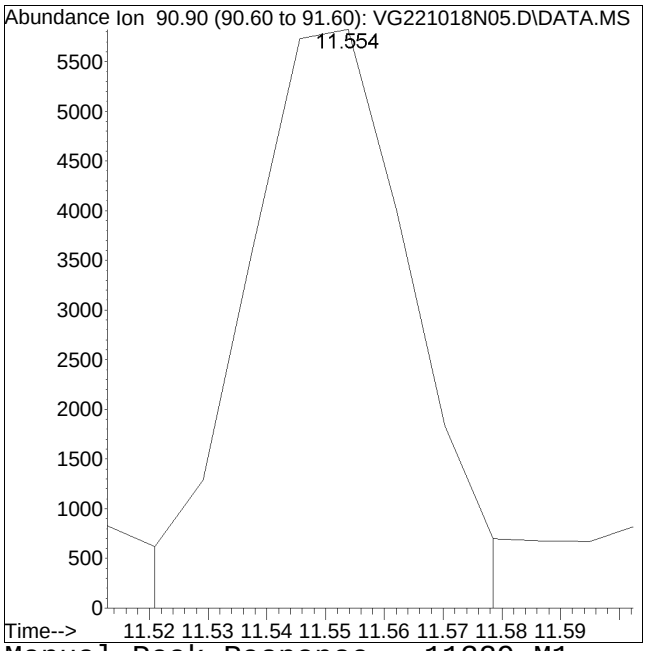
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N05.D Operator : GONZO:MKS
Date Inj'd : 10/18/2022 11:14 pm Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 10/19/2022 9:45 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 9548



Manual Peak Response = 11329 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N07.D
Acq On : 19 Oct 2022 12:07 am
Operator : GONZO:MKS
Sample : I8260STD2PPB
Misc : WG1701421
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 19 09:50:10 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.215	96	469946	10.000	ug/L	0.00
Standard Area 1 = 482021			Recovery = 97.49%			
59) Chlorobenzene-d5	9.768	117	372595	10.000	ug/L	0.00
Standard Area 1 = 382099			Recovery = 97.51%			
79) 1,4-Dichlorobenzene-d4	12.426	152	216629	10.000	ug/L	0.00
Standard Area 1 = 219687			Recovery = 98.61%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.402	113	120952	10.269	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.69%			
43) 1,2-Dichloroethane-d4	5.934	65	141690	9.783	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.83%			
60) Toluene-d8	7.915	98	480250	10.088	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.88%			
83) 4-Bromofluorobenzene	11.233	95	192715	10.051	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.51%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.725	85	13858	1.914	ug/L	95
3) Chloromethane	1.953	50	18153	2.028	ug/L	97
4) Vinyl chloride	2.006	62	15602	1.807	ug/L	95
5) Bromomethane	2.333	94	7559	2.083	ug/L	83
6) Chloroethane	2.439	64	4916	1.969	ug/L	70
7) Trichlorofluoromethane	2.584	101	19755	1.988	ug/L	96
8) Ethyl ether	2.903	74	6919	1.926	ug/L	86
10) 1,1-Dichloroethene	3.108	96	13526	1.933	ug/L	99
11) Carbon disulfide	3.138	76	34108	1.879	ug/L	100
12) Freon-113	3.138	101	13298	1.780	ug/L	89
13) Iodomethane	3.252	142	13860	1.559	ug/L	95
14) Acrolein	3.442	56	2239	1.926	ug/L	89
15) Methylene chloride	3.678	84	16340	2.147	ug/L	97
17) Acetone	3.723	43	5162	2.283	ug/L #	83
18) trans-1,2-Dichloroethene	3.830	96	14731	1.963	ug/L	97
19) Methyl acetate	3.837	43	12283	2.322	ug/L	95
20) Methyl tert-butyl ether	3.921	73	36015	1.872	ug/L	94
21) tert-Butyl alcohol	4.012	59	7828M1	9.678	ug/L	
22) Diisopropyl ether	4.285	45	45587	1.799	ug/L	97
23) 1,1-Dichloroethane	4.422	63	26336	1.861	ug/L	97
24) Halothane	4.475	117	11229	1.864	ug/L	100

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N07.D
Acq On : 19 Oct 2022 12:07 am
Operator : GONZO:MKS
Sample : I8260STD2PPB
Misc : WG1701421
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 19 09:50:10 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.483	53	5026	1.974	ug/L	#	87
26) Ethyl tert-butyl ether	4.635	59	43233	1.837	ug/L		92
27) Vinyl acetate	4.658	43	28715	1.931	ug/L		100
28) cis-1,2-Dichloroethene	4.954	96	16961	2.026	ug/L		95
29) 2,2-Dichloropropane	5.045	77	22293	1.889	ug/L		99
30) Bromochloromethane	5.144	128	7009	1.867	ug/L	#	82
31) Cyclohexane	5.144	56	30585	1.938	ug/L		79
32) Chloroform	5.220	83	25964	1.965	ug/L		96
33) Ethyl acetate	5.319	43	14024	1.920	ug/L	#	95
34) Carbon tetrachloride	5.349	117	18676	1.829	ug/L		96
35) Tetrahydrofuran	5.380	42	5317	2.189	ug/L		95
37) 1,1,1-Trichloroethane	5.417	97	21547	1.842	ug/L		96
39) 2-Butanone	5.516	43	7017	1.993	ug/L	#	71
40) 1,1-Dichloropropene	5.539	75	18851	1.764	ug/L		96
41) Benzene	5.790	78	57932	1.815	ug/L		96
42) tert-Amyl methyl ether	5.889	73	38871	1.815	ug/L		98
44) 1,2-Dichloroethane	6.002	62	18183	1.884	ug/L		97
47) Methyl cyclohexane	6.375	83	30010	1.861	ug/L		91
48) Trichloroethene	6.390	95	15553	1.883	ug/L		95
50) Dibromomethane	6.838	93	8188	1.877	ug/L		97
51) 1,2-Dichloropropane	6.945	63	14689	1.840	ug/L		96
53) 2-Chloroethyl vinyl ether	7.636	63	8149	1.748	ug/L		88
54) Bromodichloromethane	7.012	83	20786	2.014	ug/L		99
57) 1,4-Dioxane	7.220	88	26307	320.394	ug/L	#	86
58) cis-1,3-Dichloropropene	7.707	75	23297	1.813	ug/L	#	87
61) Toluene	7.972	92	37316	1.857	ug/L		99
62) 4-Methyl-2-pentanone	8.416	58	5472	1.951	ug/L	#	93
63) Tetrachloroethene	8.416	166	16511	1.869	ug/L		99
65) trans-1,3-Dichloropropene	8.459	75	20537	1.806	ug/L		97
67) Ethyl methacrylate	8.639	69	19295	1.907	ug/L		88
68) 1,1,2-Trichloroethane	8.653	83	11346	2.088	ug/L		94
69) Chlorodibromomethane	8.868	129	13687	1.861	ug/L		98
70) 1,3-Dichloropropane	8.975	76	20660	1.815	ug/L		97
71) 1,2-Dibromoethane	9.140	107	11908	1.847	ug/L		97
72) 2-Hexanone	9.419	43	9376	1.837	ug/L	#	91
73) Chlorobenzene	9.793	112	40348	1.860	ug/L		88
74) Ethylbenzene	9.818	91	72164	1.871	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.875	131	14012	1.847	ug/L		96
76) p/m Xylene	10.007	106	56408	3.680	ug/L		98
77) o Xylene	10.542	106	53921	3.664	ug/L		94

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N07.D
Acq On : 19 Oct 2022 12:07 am
Operator : GONZO:MKS
Sample : I8260STD2PPB
Misc : WG1701421
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 19 09:50:10 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.608	104	87677	3.640	ug/L		96
80) Bromoform	10.640	173	9634	1.792	ug/L		95
82) Isopropylbenzene	10.912	105	69939	1.780	ug/L		99
84) Bromobenzene	11.348	156	18057	1.850	ug/L		99
85) n-Propylbenzene	11.381	91	87291	1.817	ug/L		99
86) 1,4-Dichlorobutane	11.406	55	22208	1.845	ug/L		99
87) 1,1,2,2-Tetrachloroethane	11.480	83	17140	2.011	ug/L		98
88) 4-Ethyltoluene	11.504	105	71745	1.819	ug/L		99
89) 2-Chlorotoluene	11.554	91	51184M1	1.821	ug/L		
90) 1,3,5-Trimethylbenzene	11.603	105	62729	1.836	ug/L		98
91) 1,2,3-Trichloropropane	11.611	75	14159M1	1.854	ug/L		
92) trans-1,4-Dichloro-2-b...	11.661	53	5656	2.195	ug/L	#	86
93) 4-Chlorotoluene	11.735	91	52061	1.848	ug/L		97
94) tert-Butylbenzene	11.932	119	52683	1.803	ug/L		97
97) 1,2,4-Trimethylbenzene	12.014	105	60342	1.834	ug/L		98
98) sec-Butylbenzene	12.121	105	79430	1.802	ug/L		98
99) p-Isopropyltoluene	12.269	119	66758	1.743	ug/L		98
100) 1,3-Dichlorobenzene	12.352	146	33251	1.799	ug/L		97
101) 1,4-Dichlorobenzene	12.442	146	34197	1.857	ug/L		95
102) p-Diethylbenzene	12.640	119	38978	1.757	ug/L		99
103) n-Butylbenzene	12.697	91	58164	1.793	ug/L		99
104) 1,2-Dichlorobenzene	12.862	146	31280	1.804	ug/L		98
105) 1,2,4,5-Tetramethylben...	13.429	119	49992	1.820	ug/L		96
106) 1,2-Dibromo-3-chloropr...	13.635	155	3100	1.930	ug/L		94
107) 1,3,5-Trichlorobenzene	13.660	180	24149	1.789	ug/L		99
108) Hexachlorobutadiene	14.227	225	12122	1.788	ug/L		97
109) 1,2,4-Trichlorobenzene	14.260	180	19369	1.809	ug/L		97
110) Naphthalene	14.548	128	37951	1.799	ug/L		100
111) 1,2,3-Trichlorobenzene	14.721	180	15998	1.853	ug/L		95

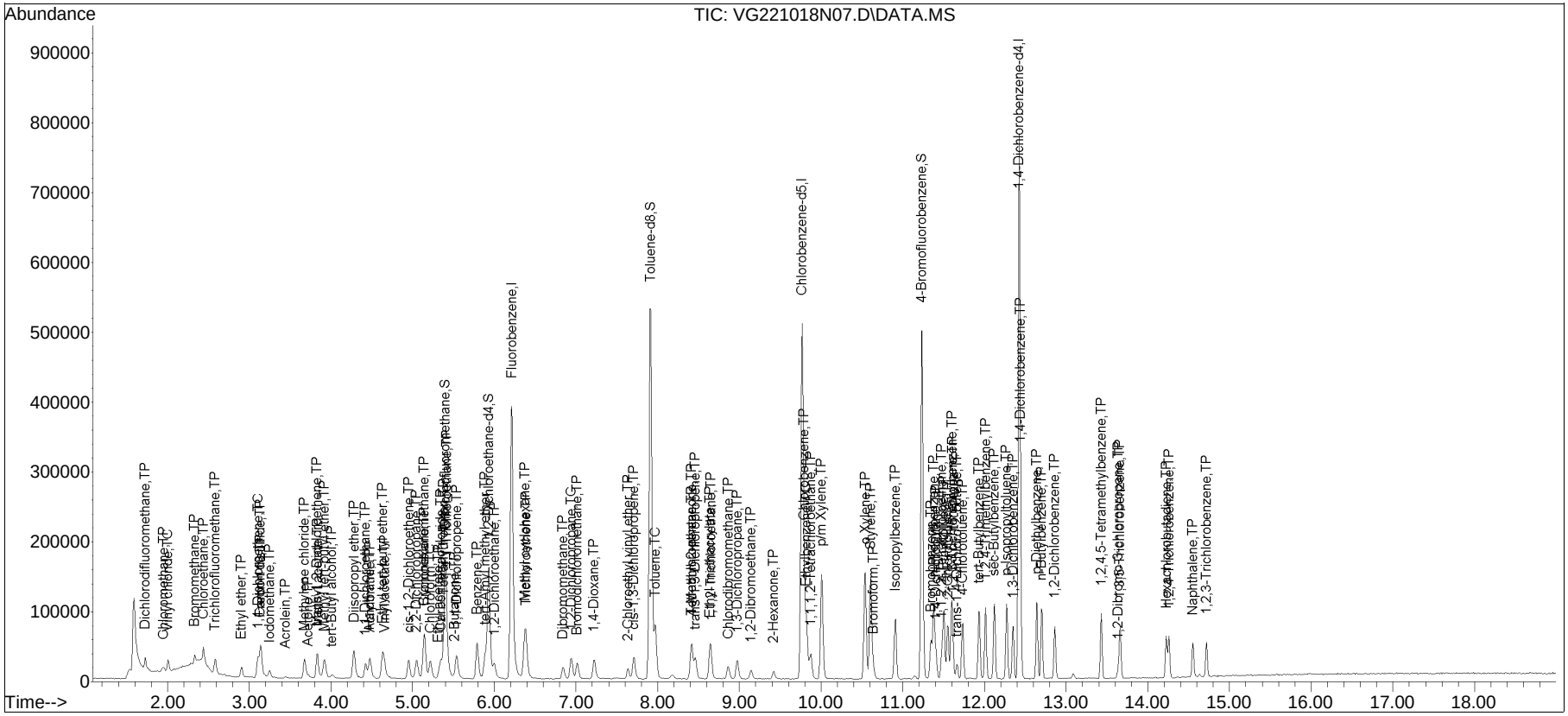
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N07.D
Acq On : 19 Oct 2022 12:07 am
Operator : GONZO:MKS
Sample : I8260STD2PPB
Misc : WG1701421
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 19 09:50:10 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

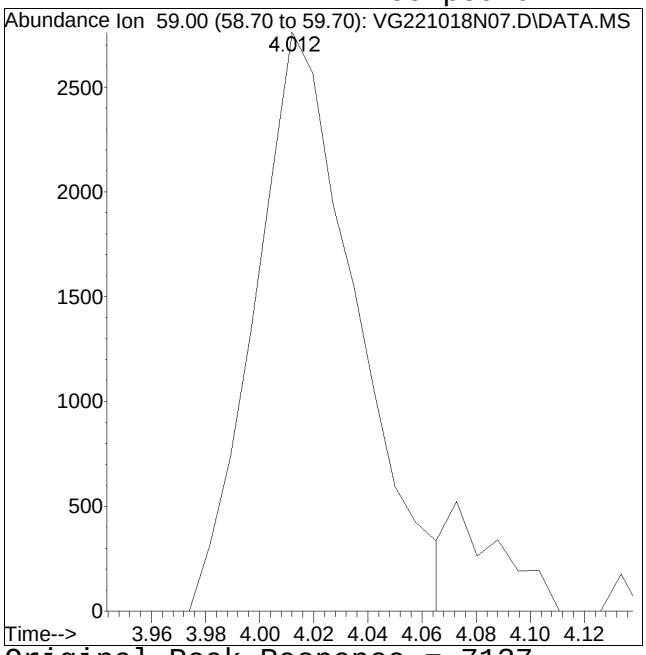
Sub List : 8260-Curve - Megamix plus Diox1018ICAL\VG221018N09.D•

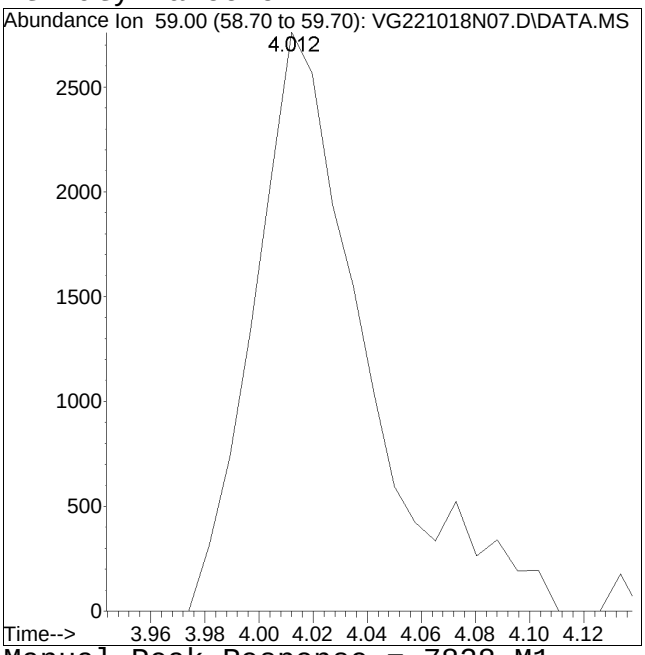


Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N07.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 12:07 am Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 10/19/2022 9:45 am

Compound #21: tert-Butyl alcohol



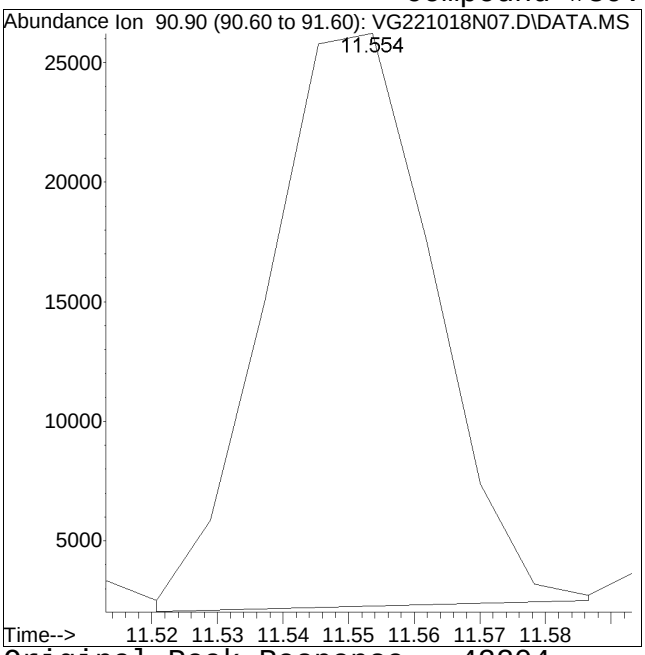


Original Peak Response = 7137 Manual Peak Response = 7828 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

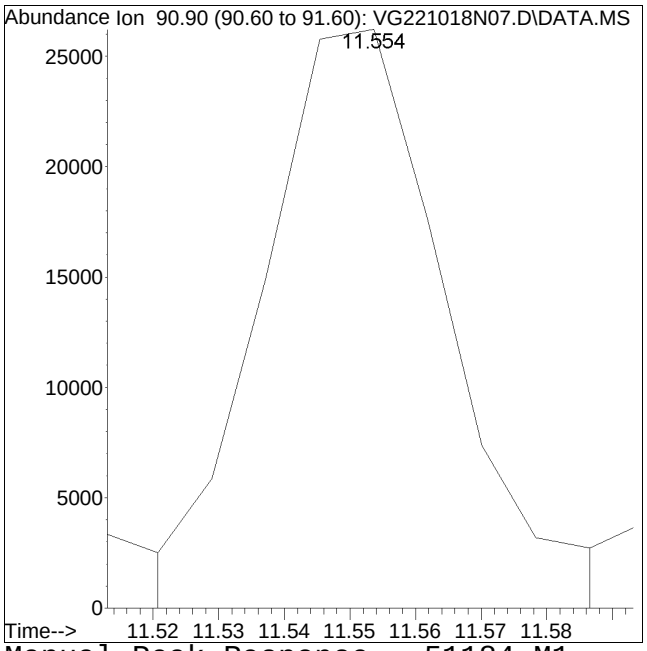
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N07.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 12:07 am Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 10/19/2022 9:45 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 42204



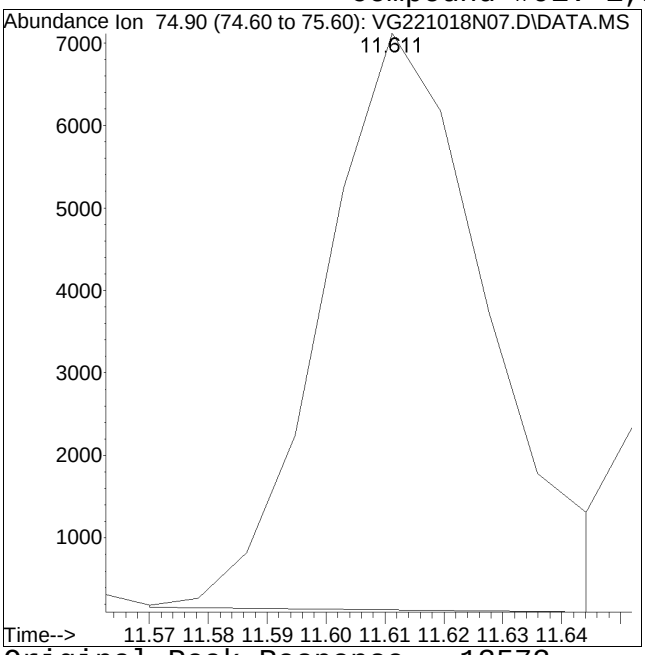
Manual Peak Response = 51184 M1

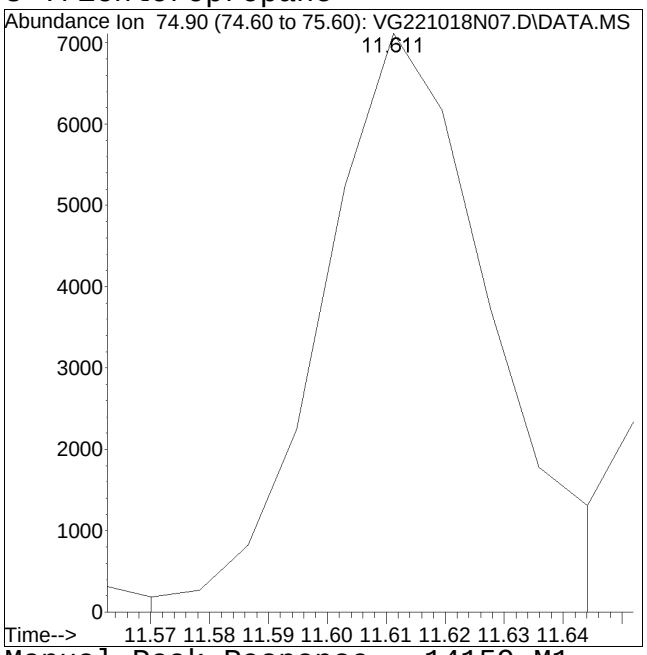
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N07.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 12:07 am Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 10/19/2022 9:45 am

Compound #91: 1,2,3-Trichloropropane





Original Peak Response = 13573 Manual Peak Response = 14159 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N09.D
Acq On : 19 Oct 2022 12:58 am
Operator : GONZO:MKS
Sample : I8260STD10PPB
Misc : WG1701421
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 19 09:44:13 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 28 10:17:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.215	96	482021	10.000 ug/L	0.00
Standard Area 1 = 482021			Recovery = 100.00%		
59) Chlorobenzene-d5	9.769	117	382099	10.000 ug/L	0.00
Standard Area 1 = 382099			Recovery = 100.00%		
79) 1,4-Dichlorobenzene-d4	12.426	152	219687	10.000 ug/L	0.00
Standard Area 1 = 219687			Recovery = 100.00%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.395	113	120806	9.687 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.87%		
43) 1,2-Dichloroethane-d4	5.934	65	148549	9.555 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.55%		
60) Toluene-d8	7.915	98	488212	9.993 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.93%		
83) 4-Bromofluorobenzene	11.233	95	194448	9.638 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.38%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.725	85	74278	15.378 ug/L	99
3) Chloromethane	1.953	50	91799	12.894 ug/L	97
4) Vinyl chloride	2.007	62	88580	14.163 ug/L	97
5) Bromomethane	2.333	94	37227	10.817 ug/L	97
6) Chloroethane	2.432	64	25613	11.011 ug/L	94
7) Trichlorofluoromethane	2.584	101	101948	10.685 ug/L	98
8) Ethyl ether	2.903	74	36839	10.331 ug/L	90
10) 1,1-Dichloroethene	3.108	96	71786	11.904 ug/L	95
11) Carbon disulfide	3.139	76	186218	12.296 ug/L	100
12) Freon-113	3.139	101	76629	12.619 ug/L	95
13) Iodomethane	3.252	142	91167	9.588 ug/L	94
14) Acrolein	3.435	56	11922	10.798 ug/L	96
15) Methylene chloride	3.678	84	78060	10.289 ug/L	92
17) Acetone	3.724	43	23196	9.684 ug/L	90
18) trans-1,2-Dichloroethene	3.830	96	76979	11.389 ug/L	94
19) Methyl acetate	3.837	43	54247	9.516 ug/L	96
20) Methyl tert-butyl ether	3.921	73	197344	9.573 ug/L	96
21) tert-Butyl alcohol	4.012	59	41482	46.049 ug/L	89
22) Diisopropyl ether	4.278	45	259950	10.122 ug/L	95
23) 1,1-Dichloroethane	4.422	63	145173	10.693 ug/L	98
24) Halothane	4.476	117	61778	10.814 ug/L	99

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N09.D
Acq On : 19 Oct 2022 12:58 am
Operator : GONZO:MKS
Sample : I8260STD10PPB
Misc : WG1701421
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 19 09:44:13 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 28 10:17:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.483	53	26114	8.878	ug/L		92
26) Ethyl tert-butyl ether	4.635	59	241422	9.710	ug/L		95
27) Vinyl acetate	4.658	43	152513	9.167	ug/L		99
28) cis-1,2-Dichloroethene	4.954	96	85862	10.877	ug/L		96
29) 2,2-Dichloropropane	5.053	77	121036	10.638	ug/L		96
30) Bromochloromethane	5.144	128	38504	10.430	ug/L	#	87
31) Cyclohexane	5.144	56	161902	11.841	ug/L		85
32) Chloroform	5.220	83	135560	10.157	ug/L		99
33) Ethyl acetate	5.319	43	74913	9.003	ug/L		98
34) Carbon tetrachloride	5.349	117	104726	10.156	ug/L		97
35) Tetrahydrofuran	5.372	42	24913M4	9.334	ug/L		
37) 1,1,1-Trichloroethane	5.418	97	120007	10.152	ug/L		97
39) 2-Butanone	5.509	43	36114	8.112	ug/L	#	78
40) 1,1-Dichloropropene	5.539	75	109617	10.946	ug/L		97
41) Benzene	5.790	78	327298	11.311	ug/L		97
42) tert-Amyl methyl ether	5.889	73	219676	10.015	ug/L		98
44) 1,2-Dichloroethane	6.003	62	99008	9.229	ug/L		98
47) Methyl cyclohexane	6.375	83	165401	12.678	ug/L		89
48) Trichloroethene	6.390	95	84702	10.654	ug/L		98
50) Dibromomethane	6.838	93	44749	9.777	ug/L		99
51) 1,2-Dichloropropane	6.945	63	81894	9.787	ug/L		98
53) 2-Chloroethyl vinyl ether	7.636	63	47829	8.996	ug/L		96
54) Bromodichloromethane	7.020	83	105859	11.530	ug/L		97
57) 1,4-Dioxane	7.220	88	42109	432.126	ug/L		88
58) cis-1,3-Dichloropropene	7.707	75	131781	10.510	ug/L		96
61) Toluene	7.973	92	206049	10.754	ug/L		100
62) 4-Methyl-2-pentanone	8.409	58	28761	9.238	ug/L		97
63) Tetrachloroethene	8.417	166	90603	10.796	ug/L		98
65) trans-1,3-Dichloropropene	8.460	75	116601	9.978	ug/L		95
67) Ethyl methacrylate	8.639	69	103757	9.716	ug/L		90
68) 1,1,2-Trichloroethane	8.646	83	55729	10.054	ug/L		97
69) Chlorodibromomethane	8.861	129	75423	9.554	ug/L		99
70) 1,3-Dichloropropane	8.975	76	116703	10.102	ug/L		99
71) 1,2-Dibromoethane	9.140	107	66126	9.667	ug/L		99
72) 2-Hexanone	9.419	43	52351	7.687	ug/L		99
73) Chlorobenzene	9.793	112	222473	10.735	ug/L		95
74) Ethylbenzene	9.818	91	395637	10.493	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.876	131	77811	10.076	ug/L		98
76) p/m Xylene	10.007	106	314405	21.738	ug/L		97
77) o Xylene	10.542	106	301831	21.595	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N09.D
Acq On : 19 Oct 2022 12:58 am
Operator : GONZO:MKS
Sample : I8260STD10PPB
Misc : WG1701421
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 19 09:44:13 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 28 10:17:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.608	104	494031	21.284	ug/L		96
80) Bromoform	10.641	173	54527	10.109	ug/L		99
82) Isopropylbenzene	10.912	105	398443	10.663	ug/L		99
84) Bromobenzene	11.348	156	98981	10.563	ug/L		99
85) n-Propylbenzene	11.381	91	487063	10.982	ug/L		99
86) 1,4-Dichlorobutane	11.406	55	122047	8.545	ug/L		96
87) 1,1,2,2-Tetrachloroethane	11.472	83	86435	9.884	ug/L		99
88) 4-Ethyltoluene	11.504	105	399924	10.887	ug/L		99
89) 2-Chlorotoluene	11.554	91	285063M1	10.774	ug/L		
90) 1,3,5-Trimethylbenzene	11.595	105	346485	10.983	ug/L		99
91) 1,2,3-Trichloropropane	11.611	75	77437M1	10.017	ug/L		
92) trans-1,4-Dichloro-2-b...	11.661	53	26132	7.807	ug/L	#	97
93) 4-Chlorotoluene	11.735	91	285615	10.499	ug/L		98
94) tert-Butylbenzene	11.932	119	296320	11.079	ug/L		98
97) 1,2,4-Trimethylbenzene	12.015	105	333718	10.890	ug/L		99
98) sec-Butylbenzene	12.121	105	446904	11.296	ug/L		98
99) p-Isopropyltoluene	12.270	119	388383	11.572	ug/L		98
100) 1,3-Dichlorobenzene	12.352	146	187412	10.731	ug/L		99
101) 1,4-Dichlorobenzene	12.442	146	186767	10.543	ug/L		98
102) p-Diethylbenzene	12.640	119	224929	11.778	ug/L		99
103) n-Butylbenzene	12.697	91	328976	11.883	ug/L		100
104) 1,2-Dichlorobenzene	12.862	146	175862	10.476	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.429	119	278526	10.516	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.635	155	16287	9.588	ug/L		95
107) 1,3,5-Trichlorobenzene	13.660	180	136865	11.868	ug/L		98
108) Hexachlorobutadiene	14.227	225	68747	14.924	ug/L		99
109) 1,2,4-Trichlorobenzene	14.260	180	108556	10.744	ug/L		99
110) Naphthalene	14.548	128	213880	9.096	ug/L		100
111) 1,2,3-Trichlorobenzene	14.721	180	87566	10.145	ug/L		99

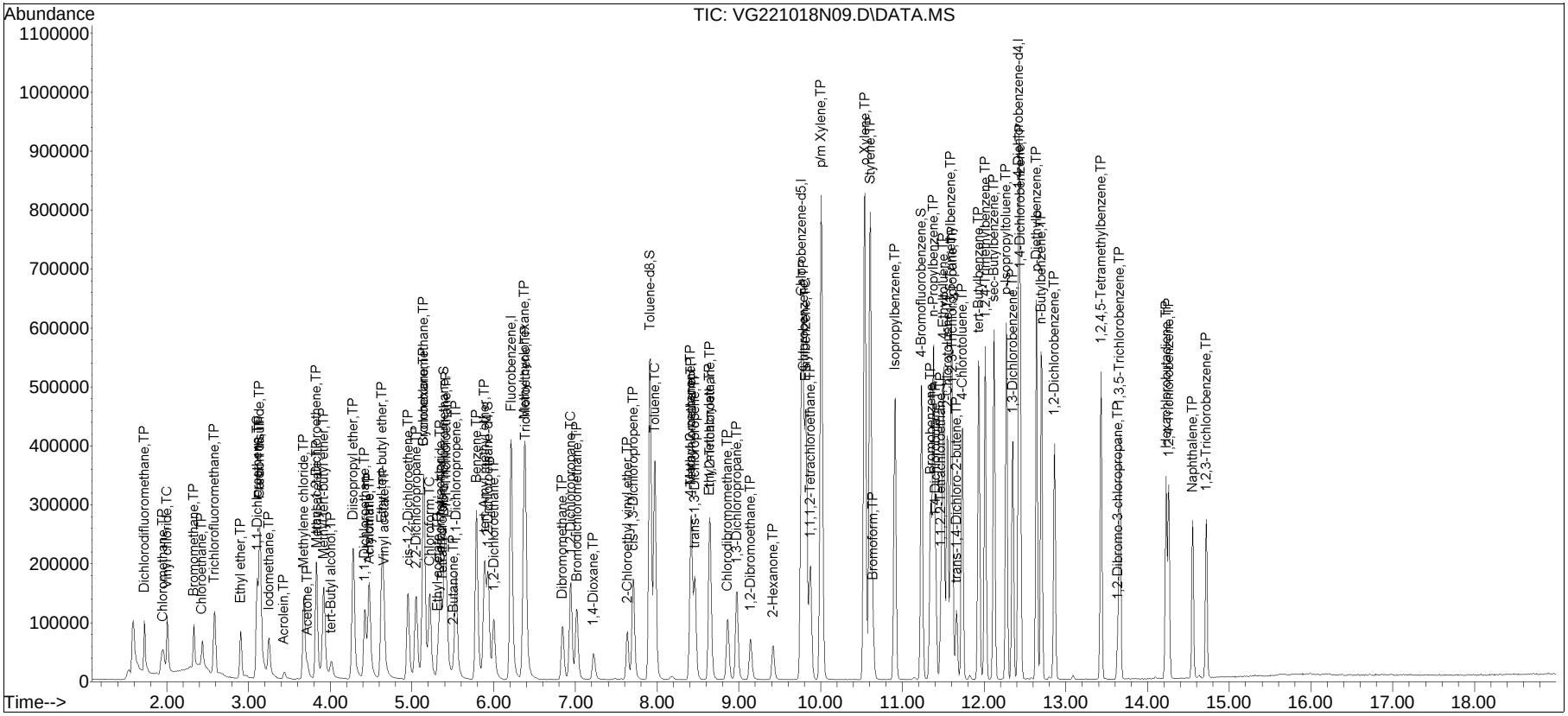
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N09.D
Acq On : 19 Oct 2022 12:58 am
Operator : GONZO:MKS
Sample : I8260STD10PPB
Misc : WG1701421
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 19 09:44:13 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 28 10:17:40 2022
Response via : Initial Calibration

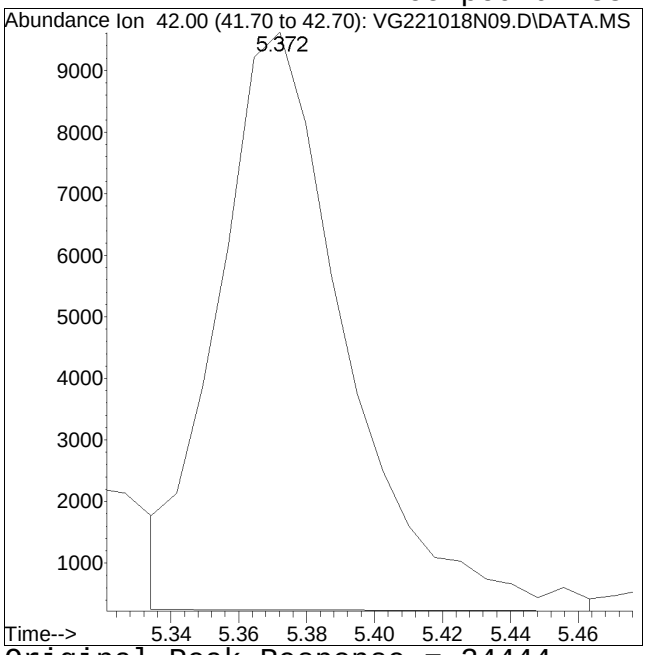
Sub List : 8260-Curve - Megamix plus Diox1018ICAL\VG221018N09.D•



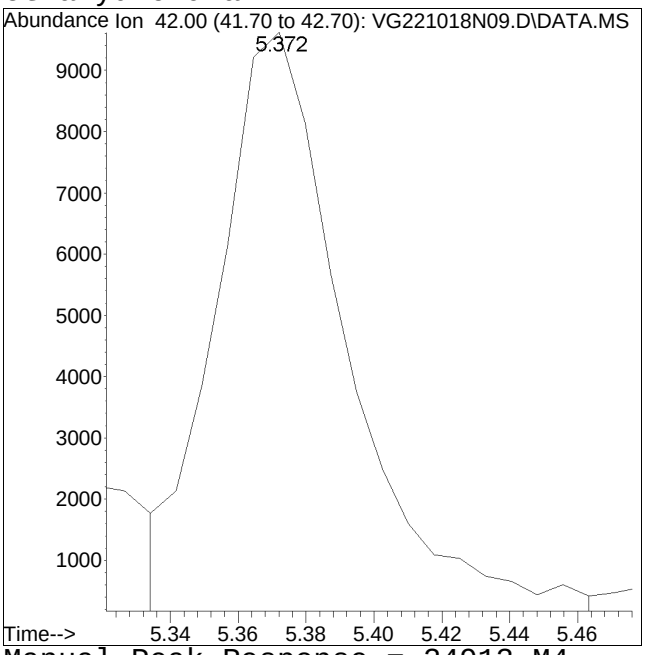
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N09.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 12:58 am Instrument : Gonzo
Sample : I8260STD10PPB Quant Date : 10/19/2022 9:43 am

Compound #35: Tetrahydrofuran



Original Peak Response = 24444



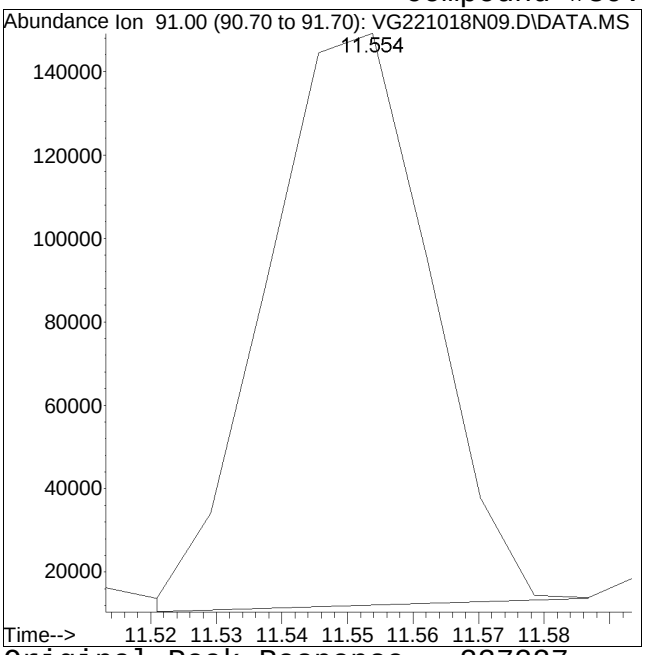
Manual Peak Response = 24913 M4

M4 = Poor automated baseline construction.

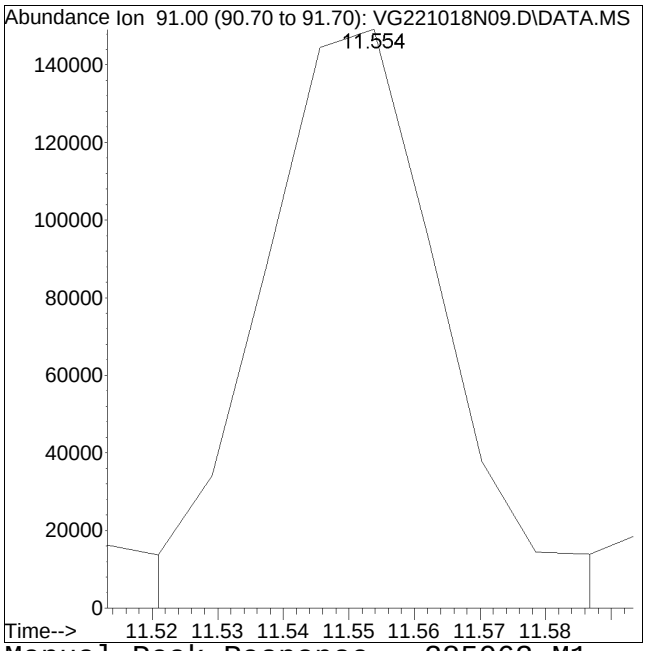
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N09.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 12:58 am Instrument : Gonzo
Sample : I8260STD10PPB Quant Date : 10/19/2022 9:43 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 237227



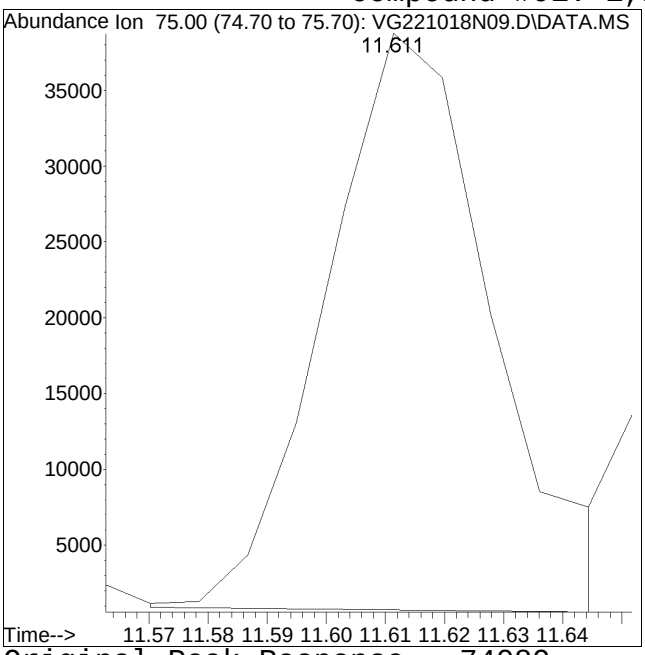
Manual Peak Response = 285063 M1

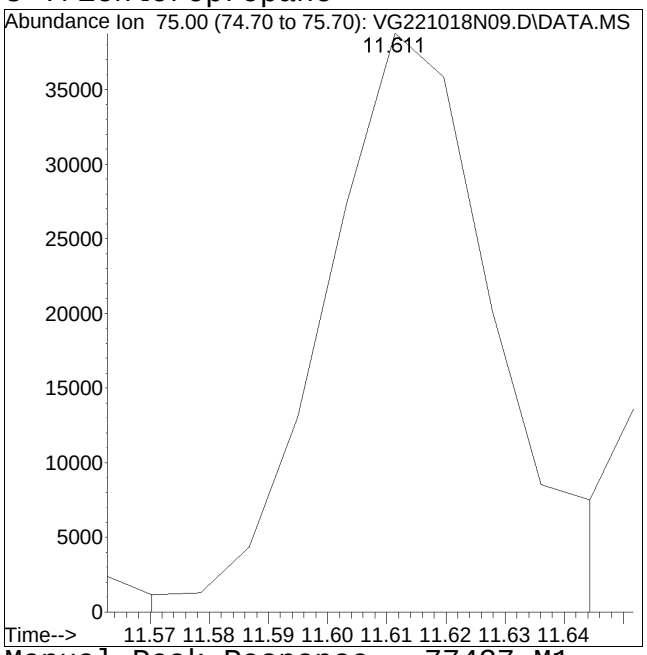
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N09.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 12:58 am Instrument : Gonzo
Sample : I8260STD10PPB Quant Date : 10/19/2022 9:43 am

Compound #91: 1,2,3-Trichloropropane





Original Peak Response = 74089 Manual Peak Response = 77437 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N10.D
Acq On : 19 Oct 2022 1:25 am
Operator : GONZO:MKS
Sample : I8260STD30PPB
Misc : WG1701421
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 19 09:53:40 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.215	96	507511	10.000 ug/L	0.00
Standard Area 1 = 482021			Recovery = 105.29%		
59) Chlorobenzene-d5	9.768	117	393571	10.000 ug/L	0.00
Standard Area 1 = 382099			Recovery = 103.00%		
79) 1,4-Dichlorobenzene-d4	12.426	152	230884	10.000 ug/L	0.00
Standard Area 1 = 219687			Recovery = 105.10%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.395	113	125701	9.883 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.83%		
43) 1,2-Dichloroethane-d4	5.934	65	143344	9.165 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.65%		
60) Toluene-d8	7.915	98	508161	10.105 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.05%		
83) 4-Bromofluorobenzene	11.233	95	201077	9.839 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.39%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.725	85	236568	30.249 ug/L	99
3) Chloromethane	1.953	50	293557	30.372 ug/L	98
4) Vinyl chloride	2.006	62	291121	31.215 ug/L	99
5) Bromomethane	2.333	94	132268	33.746 ug/L	97
6) Chloroethane	2.432	64	83739M1	31.052 ug/L	
7) Trichlorofluoromethane	2.584	101	362710M1	33.791 ug/L	
8) Ethyl ether	2.903	74	116878	30.133 ug/L	90
10) 1,1-Dichloroethene	3.100	96	231104	30.577 ug/L	93
11) Carbon disulfide	3.138	76	617003	31.469 ug/L	100
12) Freon-113	3.138	101	253312	31.397 ug/L	94
13) Iodomethane	3.252	142	321102	33.452 ug/L	94
14) Acrolein	3.435	56	38535	30.699 ug/L	97
15) Methylene chloride	3.678	84	249609	30.371 ug/L	92
17) Acetone	3.716	43	70963	29.056 ug/L	94
18) trans-1,2-Dichloroethene	3.830	96	247496	30.536 ug/L	92
19) Methyl acetate	3.830	43	173142	30.314 ug/L	93
20) Methyl tert-butyl ether	3.921	73	636681	30.642 ug/L	96
21) tert-Butyl alcohol	4.020	59	128783	147.431 ug/L	94
22) Diisopropyl ether	4.278	45	856009	31.276 ug/L	95
23) 1,1-Dichloroethane	4.422	63	471551	30.851 ug/L	99
24) Halothane	4.475	117	200870	30.882 ug/L	99

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N10.D
Acq On : 19 Oct 2022 1:25 am
Operator : GONZO:MKS
Sample : I8260STD30PPB
Misc : WG1701421
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 19 09:53:40 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.475	53	82712	30.083	ug/L		93
26) Ethyl tert-butyl ether	4.635	59	798084	31.397	ug/L		95
27) Vinyl acetate	4.658	43	508063	31.640	ug/L		100
28) cis-1,2-Dichloroethene	4.954	96	275161	30.437	ug/L		95
29) 2,2-Dichloropropane	5.053	77	387834	30.433	ug/L		95
30) Bromochloromethane	5.144	128	120817	29.802	ug/L	#	84
31) Cyclohexane	5.144	56	522563	30.655	ug/L		87
32) Chloroform	5.220	83	431547	30.235	ug/L		99
33) Ethyl acetate	5.319	43	246929	31.307	ug/L		98
34) Carbon tetrachloride	5.349	117	346588	31.433	ug/L		99
35) Tetrahydrofuran	5.364	42	77106M1	29.396	ug/L		
37) 1,1,1-Trichloroethane	5.417	97	386099	30.557	ug/L		97
39) 2-Butanone	5.509	43	122913	32.325	ug/L	#	74
40) 1,1-Dichloropropene	5.539	75	361256	31.301	ug/L		98
41) Benzene	5.790	78	1067924	30.990	ug/L		97
42) tert-Amyl methyl ether	5.888	73	723842	31.295	ug/L		99
44) 1,2-Dichloroethane	6.002	62	316396	30.352	ug/L		100
47) Methyl cyclohexane	6.375	83	530019	30.435	ug/L		87
48) Trichloroethene	6.390	95	277122	31.074	ug/L		98
50) Dibromomethane	6.838	93	144022	30.568	ug/L		99
51) 1,2-Dichloropropane	6.944	63	266076	30.858	ug/L		98
53) 2-Chloroethyl vinyl ether	7.636	63	158245	31.424	ug/L		97
54) Bromodichloromethane	7.012	83	341686	30.656	ug/L		99
57) 1,4-Dioxane	7.220	88	54399	613.489	ug/L		89
58) cis-1,3-Dichloropropene	7.707	75	432673	31.184	ug/L		99
61) Toluene	7.972	92	662259	31.204	ug/L		100
62) 4-Methyl-2-pentanone	8.402	58	91111	30.755	ug/L		98
63) Tetrachloroethene	8.416	166	302180	32.380	ug/L		98
65) trans-1,3-Dichloropropene	8.459	75	382260	31.828	ug/L		95
67) Ethyl methacrylate	8.638	69	326350	30.536	ug/L		92
68) 1,1,2-Trichloroethane	8.653	83	179453	31.262	ug/L		97
69) Chlorodibromomethane	8.861	129	251142	32.327	ug/L		99
70) 1,3-Dichloropropane	8.975	76	376420	31.314	ug/L		100
71) 1,2-Dibromoethane	9.140	107	214652	31.515	ug/L		99
72) 2-Hexanone	9.419	43	172735	32.034	ug/L		99
73) Chlorobenzene	9.785	112	716200	31.254	ug/L		96
74) Ethylbenzene	9.818	91	1275216	31.292	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.875	131	251367	31.363	ug/L		98
76) p/m Xylene	10.007	106	1014400	62.647	ug/L		98
77) o Xylene	10.542	106	972532	62.564	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N10.D
Acq On : 19 Oct 2022 1:25 am
Operator : GONZO:MKS
Sample : I8260STD30PPB
Misc : WG1701421
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 19 09:53:40 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.608	104	1588300	62.425	ug/L		96
80)	Bromoform	10.640	173	181563	31.683	ug/L		100
82)	Isopropylbenzene	10.912	105	1282831	30.635	ug/L		100
84)	Bromobenzene	11.348	156	315418	30.321	ug/L		98
85)	n-Propylbenzene	11.381	91	1571041	30.691	ug/L		99
86)	1,4-Dichlorobutane	11.406	55	389858	30.394	ug/L		95
87)	1,1,2,2-Tetrachloroethane	11.480	83	274836	30.255	ug/L		99
88)	4-Ethyltoluene	11.504	105	1293627	30.778	ug/L		99
89)	2-Chlorotoluene	11.554	91	916121M1	30.579	ug/L		
90)	1,3,5-Trimethylbenzene	11.603	105	1113192	30.570	ug/L		100
91)	1,2,3-Trichloropropane	11.611	75	243164M1	29.879	ug/L		
92)	trans-1,4-Dichloro-2-b...	11.661	53	82374	29.994	ug/L	#	100
93)	4-Chlorotoluene	11.735	91	928859	30.944	ug/L		98
94)	tert-Butylbenzene	11.932	119	960472	30.841	ug/L		98
97)	1,2,4-Trimethylbenzene	12.014	105	1062483	30.294	ug/L		99
98)	sec-Butylbenzene	12.121	105	1441031	30.681	ug/L		100
99)	p-Isopropyltoluene	12.269	119	1246904	30.548	ug/L		100
100)	1,3-Dichlorobenzene	12.352	146	607569	30.847	ug/L		99
101)	1,4-Dichlorobenzene	12.442	146	608464	30.999	ug/L		99
102)	p-Diethylbenzene	12.639	119	733296	31.020	ug/L		99
103)	n-Butylbenzene	12.697	91	1065486	30.817	ug/L		100
104)	1,2-Dichlorobenzene	12.862	146	563477	30.487	ug/L		100
105)	1,2,4,5-Tetramethylben...	13.429	119	899206	30.719	ug/L		98
106)	1,2-Dibromo-3-chloropr...	13.635	155	52791	30.841	ug/L		95
107)	1,3,5-Trichlorobenzene	13.660	180	450956	31.351	ug/L		98
108)	Hexachlorobutadiene	14.227	225	232541	32.185	ug/L		99
109)	1,2,4-Trichlorobenzene	14.260	180	358574	31.429	ug/L		99
110)	Naphthalene	14.548	128	692078	30.789	ug/L		100
111)	1,2,3-Trichlorobenzene	14.721	180	292332	31.765	ug/L		99

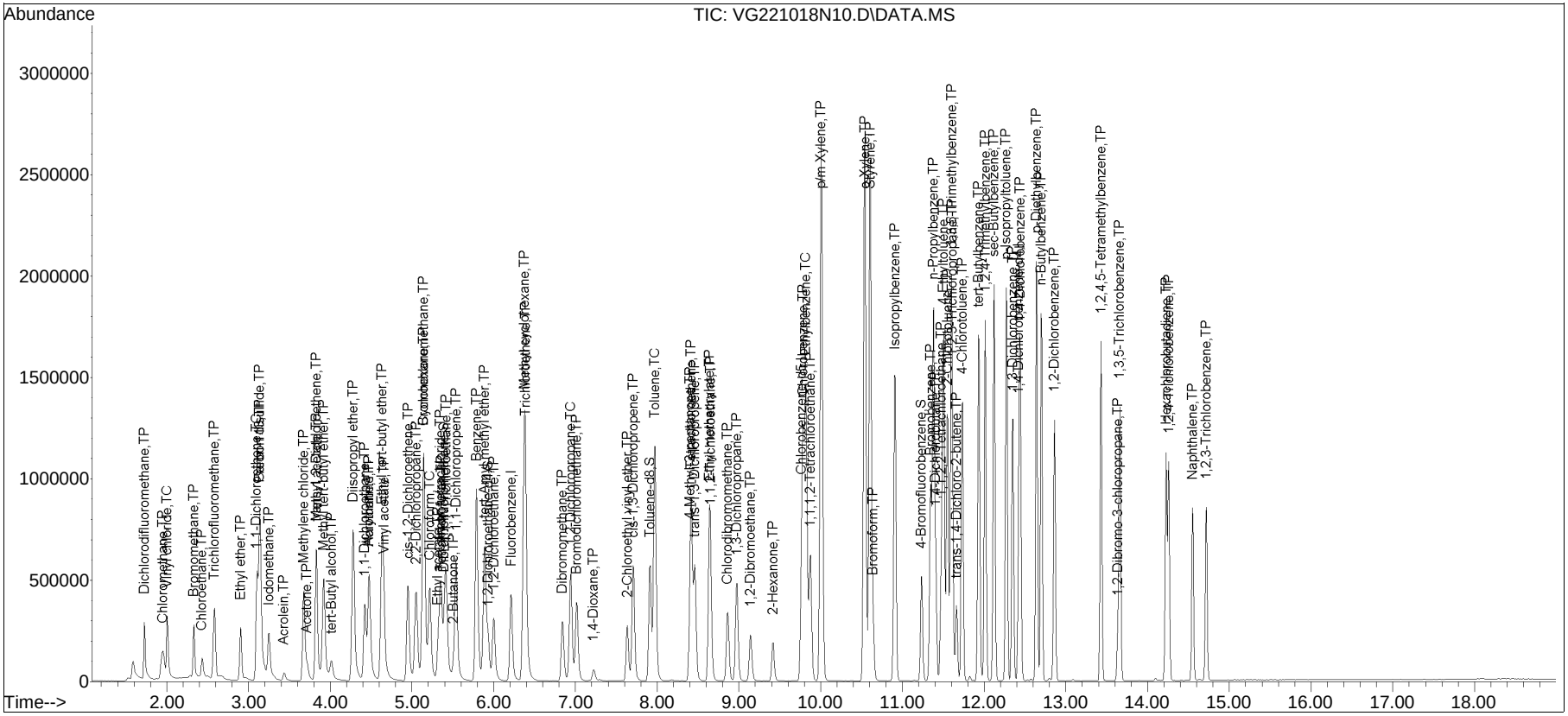
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N10.D
Acq On : 19 Oct 2022 1:25 am
Operator : GONZO:MKS
Sample : I8260STD30PPB
Misc : WG1701421
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 19 09:53:40 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

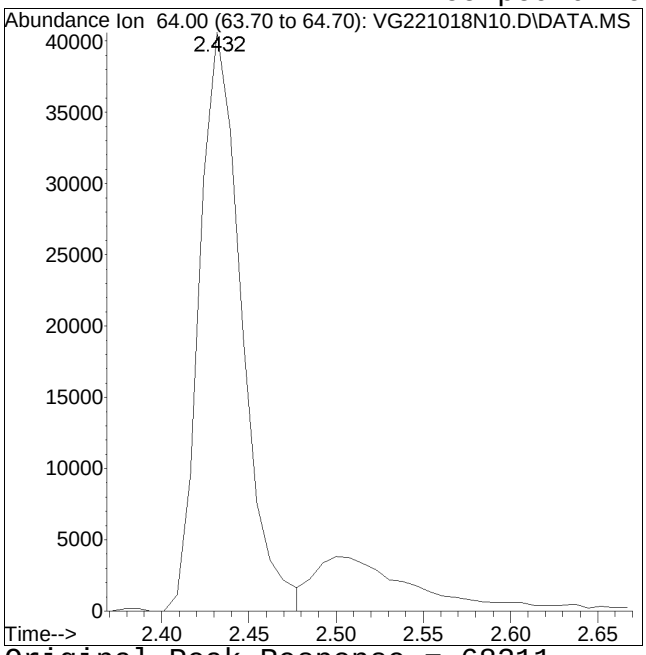
Sub List : 8260-Curve - Megamix plus Diox1018ICAL\VG221018N09.D•

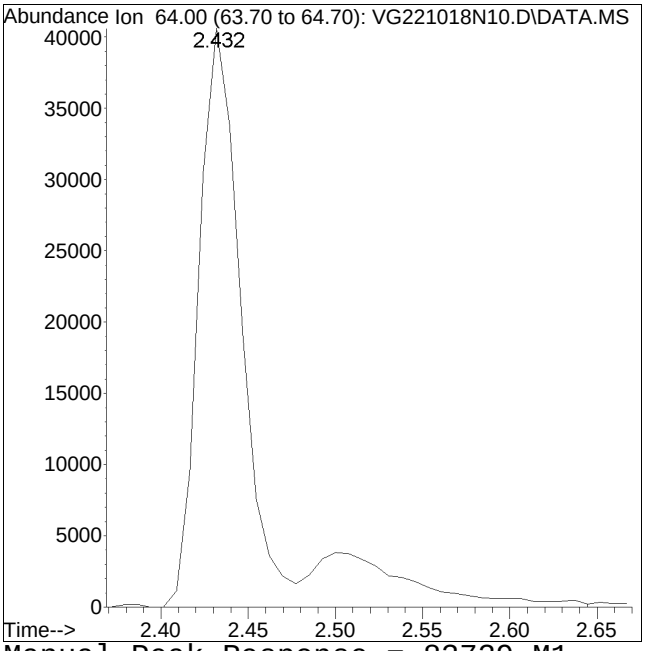


Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N10.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 1:25 am Instrument : Gonzo
Sample : I8260STD30PPB Quant Date : 10/19/2022 9:45 am

Compound #6: Chloroethane





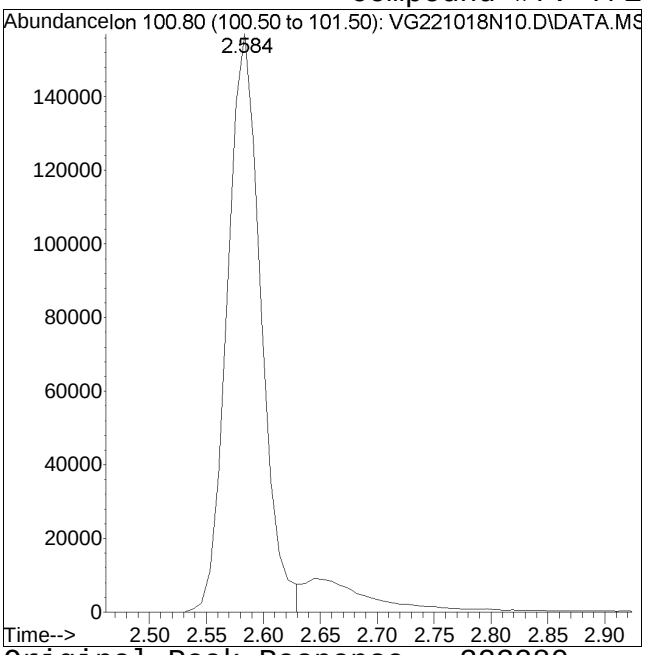
Original Peak Response = 68211 Manual Peak Response = 83739 M1

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

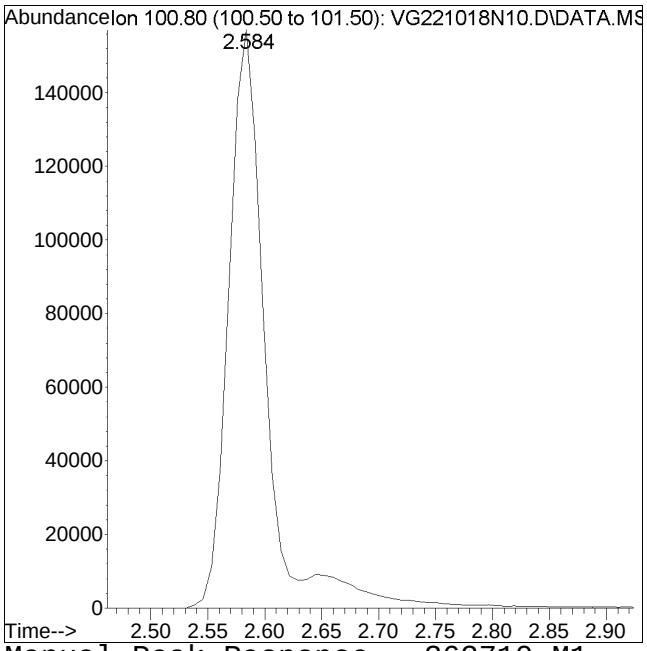
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N10.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 1:25 am Instrument : Gonzo
Sample : I8260STD30PPB Quant Date : 10/19/2022 9:45 am

Compound #7: Trichlorofluoromethane



Original Peak Response = 323280



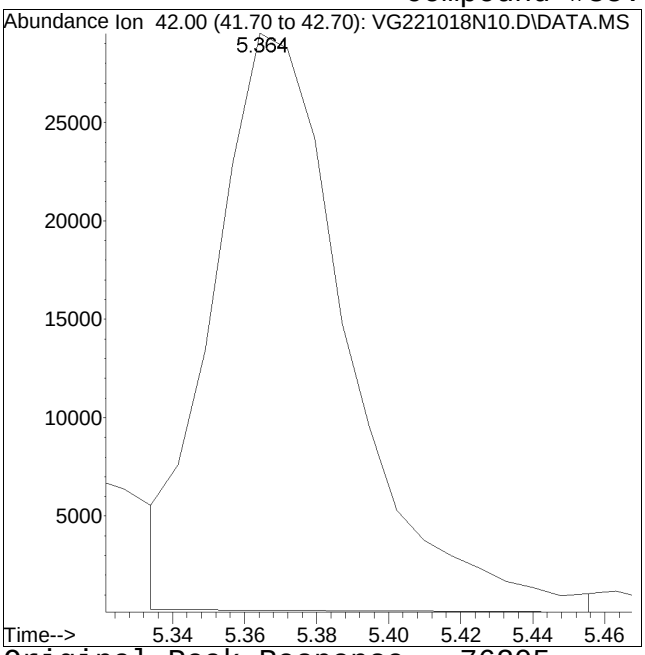
Manual Peak Response = 362710 M1

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

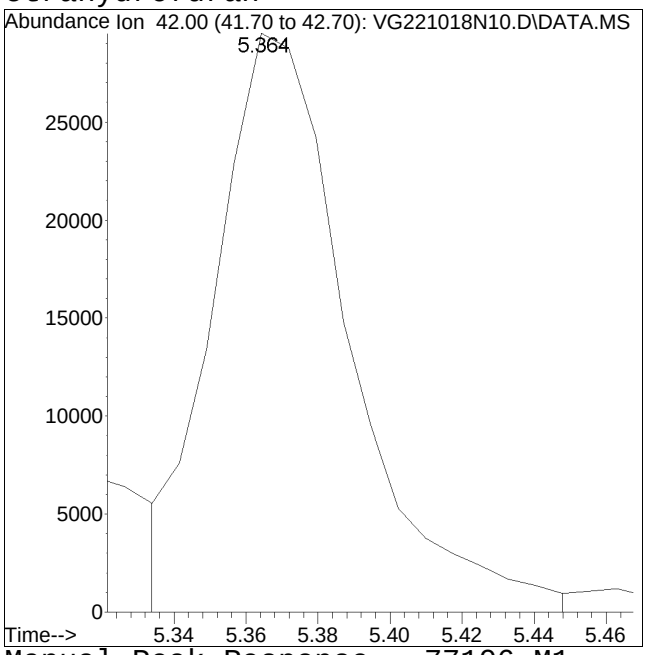
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N10.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 1:25 am Instrument : Gonzo
Sample : I8260STD30PPB Quant Date : 10/19/2022 9:45 am

Compound #35: Tetrahydrofuran



Original Peak Response = 76205



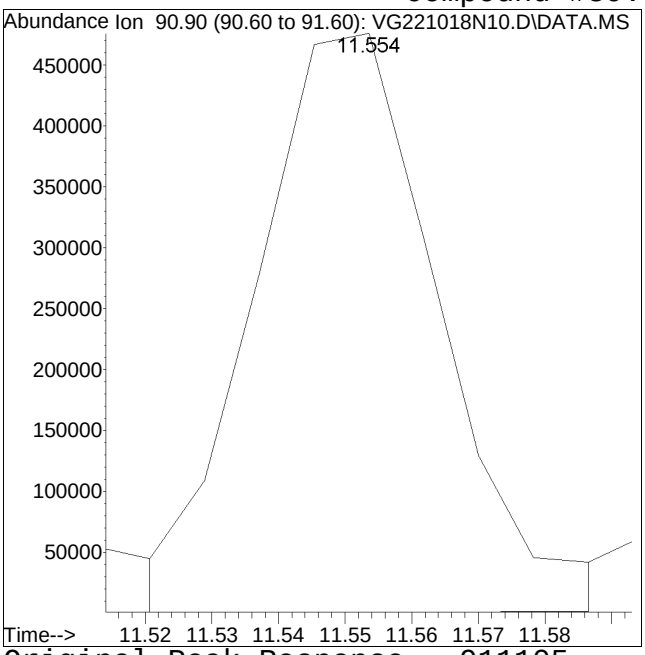
Manual Peak Response = 77106 M1

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

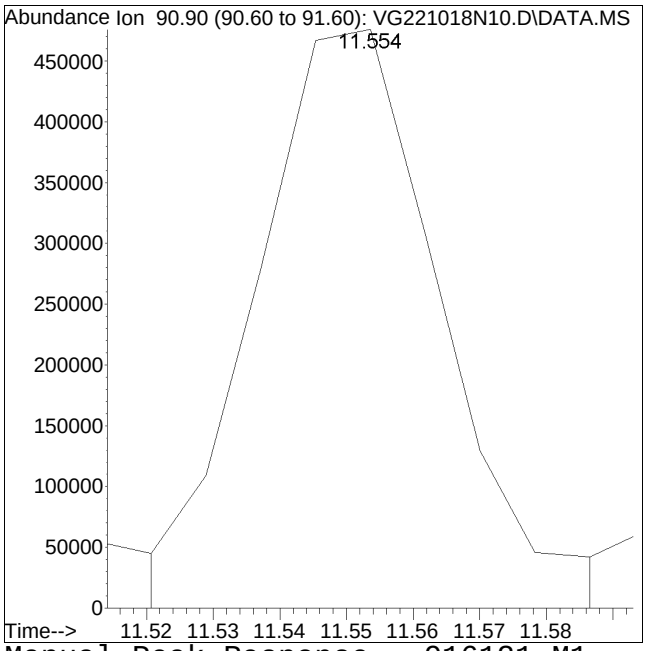
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N10.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 1:25 am Instrument : Gonzo
Sample : I8260STD30PPB Quant Date : 10/19/2022 9:45 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 911105



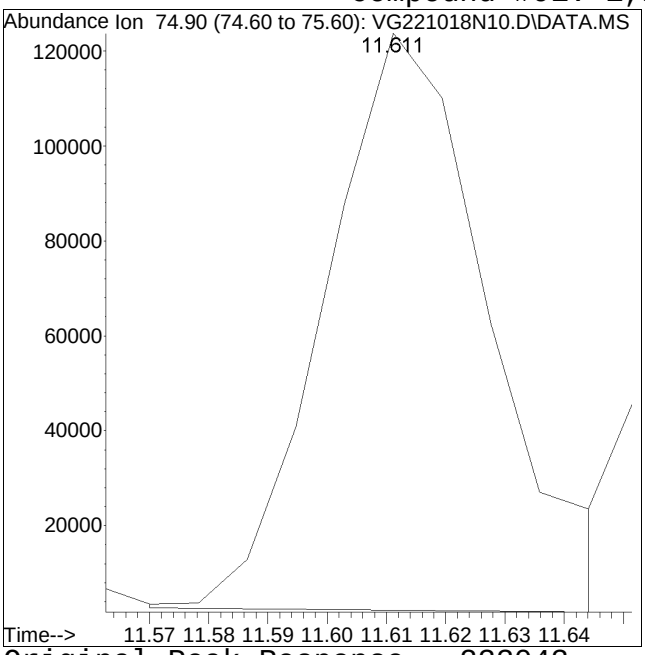
Manual Peak Response = 916121 M1

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

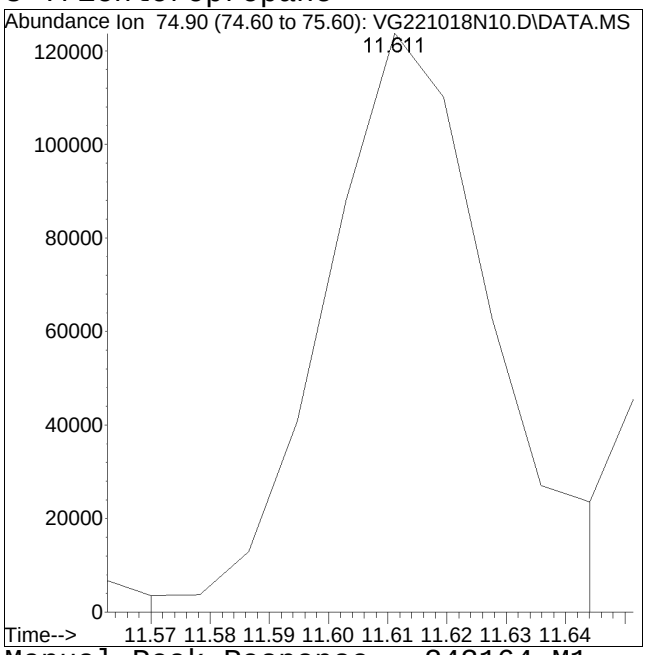
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N10.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 1:25 am Instrument : Gonzo
Sample : I8260STD30PPB Quant Date : 10/19/2022 9:45 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 233043



Manual Peak Response = 243164 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N11.D
Acq On : 19 Oct 2022 1:51 am
Operator : GONZO:MKS
Sample : I8260STD80PPB
Misc : WG1701421
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 19 09:53:49 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.215	96	494911	10.000 ug/L	0.00
Standard Area 1 = 482021			Recovery = 102.67%		
59) Chlorobenzene-d5	9.769	117	383432	10.000 ug/L	0.00
Standard Area 1 = 382099			Recovery = 100.35%		
79) 1,4-Dichlorobenzene-d4	12.426	152	223446	10.000 ug/L	0.00
Standard Area 1 = 219687			Recovery = 101.71%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.395	113	122103	9.844 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.44%		
43) 1,2-Dichloroethane-d4	5.934	65	138873	9.105 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.05%		
60) Toluene-d8	7.915	98	496635	10.137 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.37%		
83) 4-Bromofluorobenzene	11.233	95	195821	9.901 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.01%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.725	85	642026	84.184 ug/L	99
3) Chloromethane	1.953	50	808301	85.758 ug/L	98
4) Vinyl chloride	2.006	62	796625	87.591 ug/L	99
5) Bromomethane	2.333	94	392092	102.581 ug/L	99
6) Chloroethane	2.432	64	208061M1	79.117 ug/L	
7) Trichlorofluoromethane	2.584	101	1001706	95.697 ug/L	99
8) Ethyl ether	2.903	74	323516	85.532 ug/L	90
10) 1,1-Dichloroethene	3.108	96	635389	86.206 ug/L	93
11) Carbon disulfide	3.138	76	1725396	90.241 ug/L	100
12) Freon-113	3.138	101	695136	88.352 ug/L	93
13) Iodomethane	3.252	142	896938	95.822 ug/L	95
14) Acrolein	3.435	56	112376	91.804 ug/L	100
15) Methylene chloride	3.678	84	689012	85.968 ug/L	92
17) Acetone	3.716	43	197390	82.880 ug/L	95
18) trans-1,2-Dichloroethene	3.830	96	682169	86.309 ug/L	91
19) Methyl acetate	3.830	43	486674	87.378 ug/L #	93
20) Methyl tert-butyl ether	3.921	73	1790677	88.376 ug/L	96
21) tert-Butyl alcohol	4.012	59	365586	429.179 ug/L	95
22) Diisopropyl ether	4.278	45	2431334	91.095 ug/L	95
23) 1,1-Dichloroethane	4.422	63	1302915	87.412 ug/L	98
24) Halothane	4.476	117	558432	88.039 ug/L	99

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N11.D
Acq On : 19 Oct 2022 1:51 am
Operator : GONZO:MKS
Sample : I8260STD80PPB
Misc : WG1701421
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 19 09:53:49 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.476	53	233846	87.216	ug/L		92
26) Ethyl tert-butyl ether	4.635	59	2256658	91.039	ug/L		94
27) Vinyl acetate	4.658	43	1488724	95.071	ug/L		100
28) cis-1,2-Dichloroethene	4.954	96	764073	86.671	ug/L		96
29) 2,2-Dichloropropane	5.053	77	1049499	84.451	ug/L		95
30) Bromochloromethane	5.152	128	332857	84.196	ug/L	#	87
31) Cyclohexane	5.144	56	1434391	86.289	ug/L		86
32) Chloroform	5.220	83	1203359	86.457	ug/L		99
33) Ethyl acetate	5.319	43	701754	91.236	ug/L		97
34) Carbon tetrachloride	5.349	117	951306	88.472	ug/L		100
35) Tetrahydrofuran	5.364	42	217888M1	85.182	ug/L		
37) 1,1,1-Trichloroethane	5.418	97	1062168	86.204	ug/L		98
39) 2-Butanone	5.509	43	339957	91.683	ug/L	#	74
40) 1,1-Dichloropropene	5.539	75	999484	88.805	ug/L		98
41) Benzene	5.790	78	2953553	87.890	ug/L		97
42) tert-Amyl methyl ether	5.889	73	2049269	90.856	ug/L		99
44) 1,2-Dichloroethane	6.003	62	876950	86.267	ug/L		99
47) Methyl cyclohexane	6.375	83	1471008	86.620	ug/L		87
48) Trichloroethene	6.390	95	757984	87.158	ug/L		98
50) Dibromomethane	6.838	93	398922	86.825	ug/L		99
51) 1,2-Dichloropropane	6.945	63	732825	87.154	ug/L		98
53) 2-Chloroethyl vinyl ether	7.636	63	446465	90.915	ug/L		97
54) Bromodichloromethane	7.013	83	940059	86.490	ug/L		98
57) 1,4-Dioxane	7.227	88	64918	750.756	ug/L		91
58) cis-1,3-Dichloropropene	7.707	75	1201591	88.806	ug/L		99
61) Toluene	7.972	92	1822699	88.152	ug/L		100
62) 4-Methyl-2-pentanone	8.402	58	257636	89.267	ug/L		97
63) Tetrachloroethene	8.417	166	833830	91.711	ug/L		98
65) trans-1,3-Dichloropropene	8.460	75	1077875	92.120	ug/L		94
67) Ethyl methacrylate	8.639	69	906084	87.024	ug/L		92
68) 1,1,2-Trichloroethane	8.653	83	500976	89.583	ug/L		98
69) Chlorodibromomethane	8.861	129	705706	93.241	ug/L		99
70) 1,3-Dichloropropane	8.975	76	1054620	90.054	ug/L		99
71) 1,2-Dibromoethane	9.140	107	608439	91.692	ug/L		99
72) 2-Hexanone	9.412	43	491690	93.595	ug/L		98
73) Chlorobenzene	9.793	112	1977840	88.593	ug/L		97
74) Ethylbenzene	9.818	91	3503806	88.253	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.876	131	711242	91.089	ug/L		98
76) p/m Xylene	10.007	106	2794831	177.167	ug/L		97
77) o Xylene	10.542	106	2671231	176.386	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N11.D
Acq On : 19 Oct 2022 1:51 am
Operator : GONZO:MKS
Sample : I8260STD80PPB
Misc : WG1701421
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 19 09:53:49 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.608	104	4382166	176.788	ug/L		97
80)	Bromoform	10.641	173	513022	92.503	ug/L		99
82)	Isopropylbenzene	10.912	105	3549549	87.587	ug/L		99
84)	Bromobenzene	11.348	156	884542	87.861	ug/L		99
85)	n-Propylbenzene	11.381	91	4303157	86.863	ug/L		99
86)	1,4-Dichlorobutane	11.406	55	1083569	87.289	ug/L		95
87)	1,1,2,2-Tetrachloroethane	11.480	83	777174	88.402	ug/L		99
88)	4-Ethyltoluene	11.504	105	3573435	87.850	ug/L		99
89)	2-Chlorotoluene	11.554	91	2516453	86.792	ug/L		100
90)	1,3,5-Trimethylbenzene	11.603	105	3094134	87.798	ug/L		99
91)	1,2,3-Trichloropropane	11.611	75	675970M1	85.824	ug/L		
92)	trans-1,4-Dichloro-2-b...	11.661	53	234644	88.281	ug/L	#	99
93)	4-Chlorotoluene	11.735	91	2587752	89.079	ug/L		98
94)	tert-Butylbenzene	11.940	119	2648234	87.867	ug/L		98
97)	1,2,4-Trimethylbenzene	12.014	105	2972002	87.559	ug/L		99
98)	sec-Butylbenzene	12.121	105	3994465	87.877	ug/L		100
99)	p-Isopropyltoluene	12.278	119	3444965	87.208	ug/L		99
100)	1,3-Dichlorobenzene	12.352	146	1682705	88.276	ug/L		99
101)	1,4-Dichlorobenzene	12.442	146	1688122	88.866	ug/L		99
102)	p-Diethylbenzene	12.640	119	2033339	88.878	ug/L		99
103)	n-Butylbenzene	12.705	91	2895232	86.527	ug/L		99
104)	1,2-Dichlorobenzene	12.862	146	1559839	87.205	ug/L		99
105)	1,2,4,5-Tetramethylben...	13.429	119	2551637	90.071	ug/L		98
106)	1,2-Dibromo-3-chloropr...	13.635	155	152381	91.986	ug/L		97
107)	1,3,5-Trichlorobenzene	13.660	180	1256944	90.293	ug/L		98
108)	Hexachlorobutadiene	14.227	225	644144	92.121	ug/L		99
109)	1,2,4-Trichlorobenzene	14.260	180	1020043	92.384	ug/L		99
110)	Naphthalene	14.548	128	1960643	90.128	ug/L		100
111)	1,2,3-Trichlorobenzene	14.721	180	830821	93.283	ug/L		100

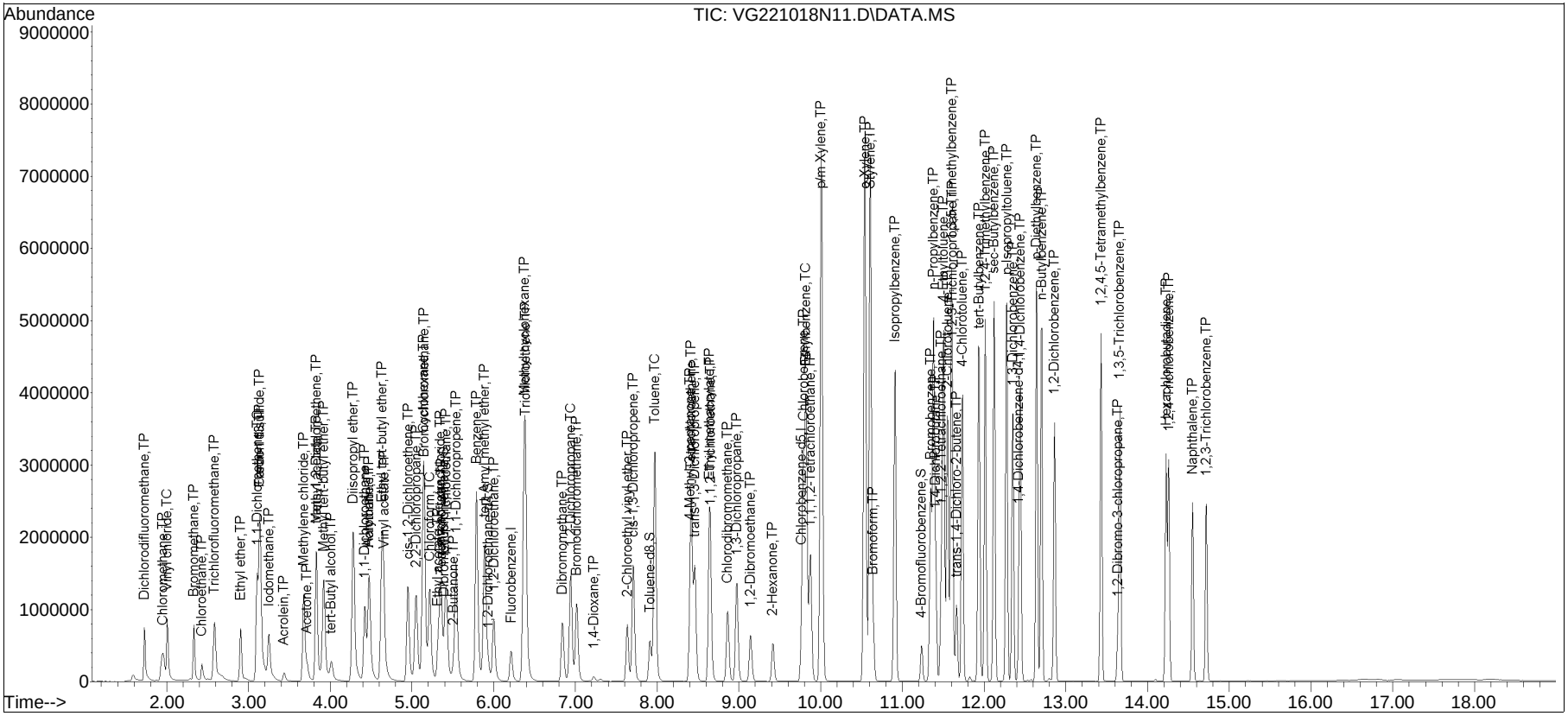
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N11.D
Acq On : 19 Oct 2022 1:51 am
Operator : GONZO:MKS
Sample : I8260STD80PPB
Misc : WG1701421
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 19 09:53:49 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

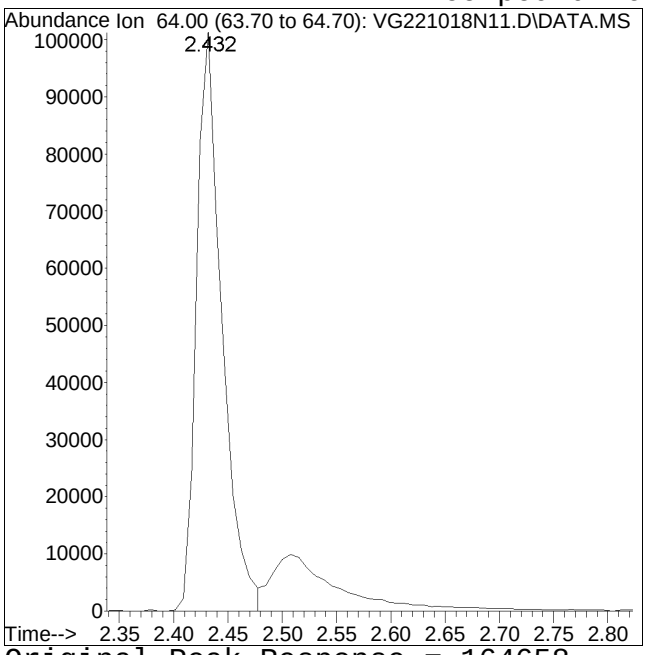
Sub List : 8260-Curve - Megamix plus Diox1018ICAL\VG221018N09.D•

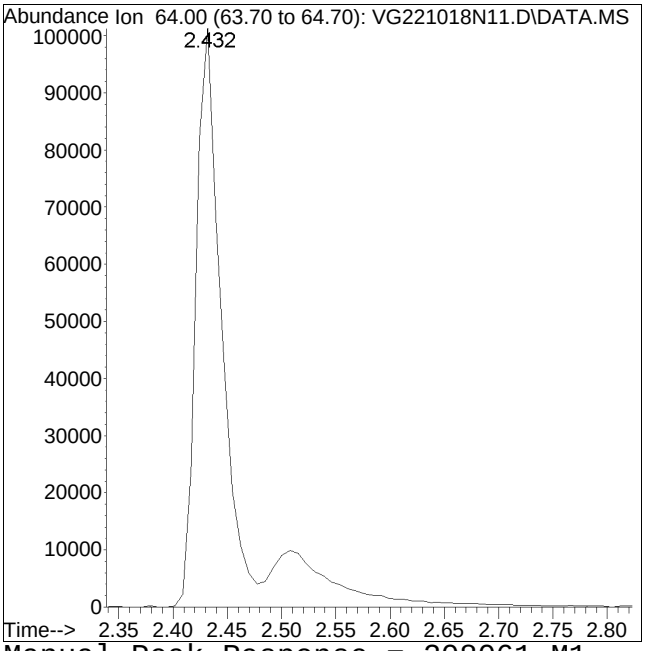


Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N11.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 1:51 am Instrument : Gonzo
Sample : I8260STD80PPB Quant Date : 10/19/2022 9:45 am

Compound #6: Chloroethane





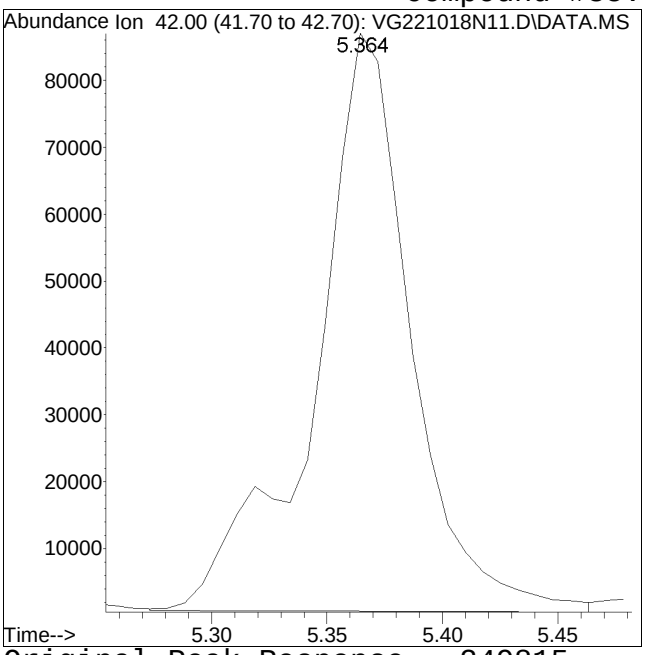
Original Peak Response = 164658 Manual Peak Response = 208061 M1

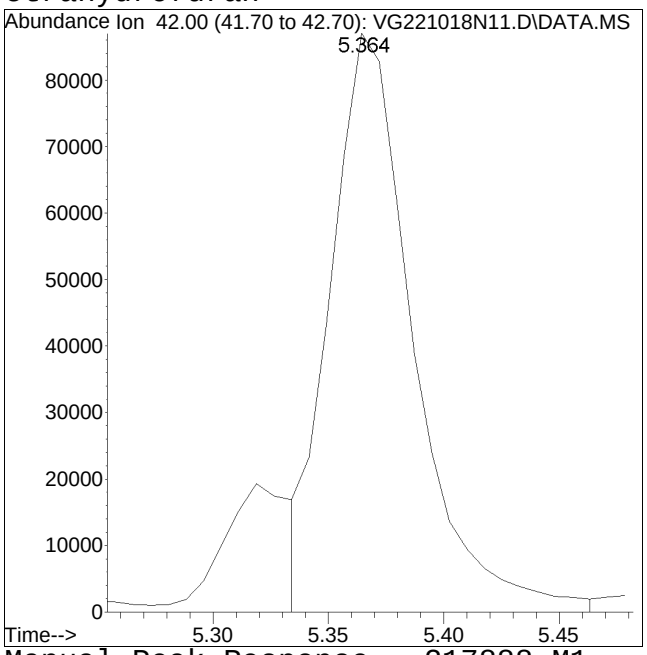
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N11.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 1:51 am Instrument : Gonzo
Sample : I8260STD80PPB Quant Date : 10/19/2022 9:45 am

Compound #35: Tetrahydrofuran



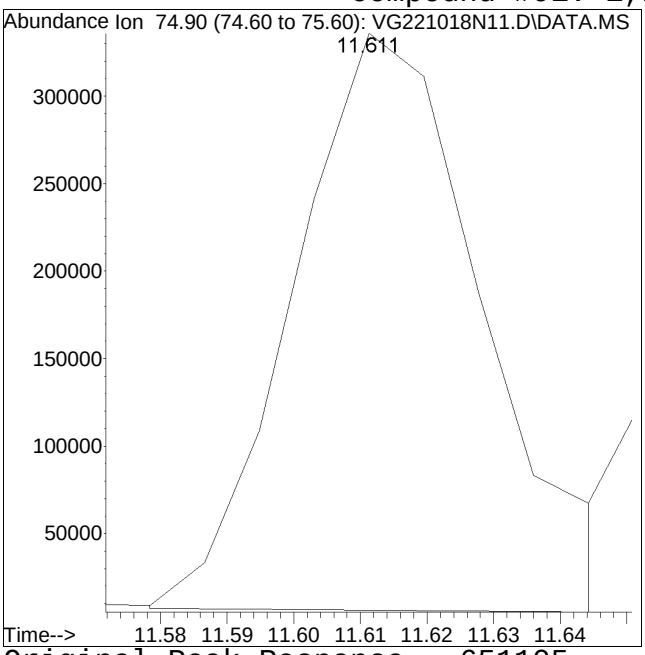


Original Peak Response = 249815 Manual Peak Response = 217888 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

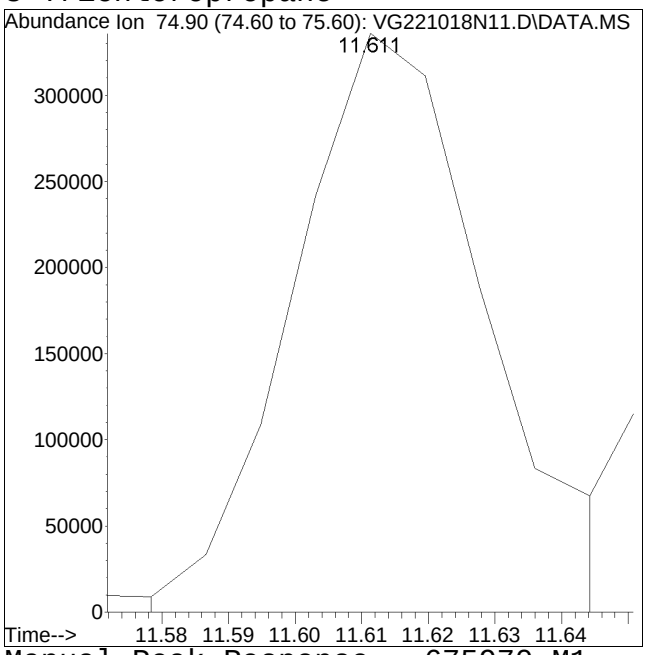
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N11.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 1:51 am Instrument : Gonzo
Sample : I8260STD80PPB Quant Date : 10/19/2022 9:45 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 651105



Manual Peak Response = 675970 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N12.D
Acq On : 19 Oct 2022 2:17 am
Operator : GONZO:MKS
Sample : I8260STD120PPB
Misc : WG1701421
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 19 09:52:32 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.216	96	499989	10.000	ug/L	0.00
Standard Area 1 = 482021			Recovery = 103.73%			
59) Chlorobenzene-d5	9.769	117	387927	10.000	ug/L	0.00
Standard Area 1 = 382099			Recovery = 101.53%			
79) 1,4-Dichlorobenzene-d4	12.426	152	222423	10.000	ug/L	0.00
Standard Area 1 = 219687			Recovery = 101.25%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.395	113	121963	9.733	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.33%			
43) 1,2-Dichloroethane-d4	5.927	65	140311	9.106	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.06%			
60) Toluene-d8	7.908	98	500338	10.094	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.94%			
83) 4-Bromofluorobenzene	11.233	95	196299	9.971	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.71%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.726	85	935205	121.381	ug/L	100
3) Chloromethane	1.954	50	1215256	127.625	ug/L	99
4) Vinyl chloride	2.007	62	1196405	130.211	ug/L	100
5) Bromomethane	2.333	94	616105	159.552	ug/L	98
6) Chloroethane	2.425	64	269092M1	101.285	ug/L	
7) Trichlorofluoromethane	2.584	101	1490472	140.945	ug/L	100
8) Ethyl ether	2.903	74	482548	126.281	ug/L	89
10) 1,1-Dichloroethene	3.101	96	955378	128.304	ug/L	93
11) Carbon disulfide	3.139	76	2583679	133.759	ug/L	100
12) Freon-113	3.139	101	1019907	128.314	ug/L	90
13) Iodomethane	3.245	142	1352269	142.998	ug/L	94
14) Acrolein	3.435	56	167631	135.553	ug/L	100
15) Methylene chloride	3.678	84	1027478	126.896	ug/L	92
17) Acetone	3.716	43	292131	121.414	ug/L	94
18) trans-1,2-Dichloroethene	3.830	96	1022492	128.054	ug/L	91
19) Methyl acetate	3.830	43	726726	129.152	ug/L #	93
20) Methyl tert-butyl ether	3.921	73	2665048	130.193	ug/L	96
21) tert-Butyl alcohol	4.012	59	548789	637.707	ug/L	95
22) Diisopropyl ether	4.278	45	3650581	135.387	ug/L	95
23) 1,1-Dichloroethane	4.423	63	1943933	129.092	ug/L	99
24) Halothane	4.476	117	827342	129.109	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N12.D
Acq On : 19 Oct 2022 2:17 am
Operator : GONZO:MKS
Sample : I8260STD120PPB
Misc : WG1701421
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 19 09:52:32 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.476	53	352552	130.153	ug/L	#	91
26) Ethyl tert-butyl ether	4.635	59	3385948	135.210	ug/L		95
27) Vinyl acetate	4.658	43	2189417	138.397	ug/L		100
28) cis-1,2-Dichloroethene	4.947	96	1132564	127.165	ug/L		95
29) 2,2-Dichloropropane	5.046	77	1545626	123.111	ug/L		94
30) Bromochloromethane	5.152	128	495241	123.998	ug/L		89
31) Cyclohexane	5.137	56	2114608	125.917	ug/L		87
32) Chloroform	5.220	83	1802699	128.203	ug/L		99
33) Ethyl acetate	5.319	43	1050559	135.198	ug/L		97
34) Carbon tetrachloride	5.349	117	1425511	131.227	ug/L		99
35) Tetrahydrofuran	5.365	42	319990M1	123.827	ug/L		
37) 1,1,1-Trichloroethane	5.418	97	1583196	127.184	ug/L		98
39) 2-Butanone	5.509	43	507559	135.493	ug/L	#	73
40) 1,1-Dichloropropene	5.539	75	1489832	131.028	ug/L		98
41) Benzene	5.790	78	4427663	130.418	ug/L		97
42) tert-Amyl methyl ether	5.889	73	3076995	135.036	ug/L		99
44) 1,2-Dichloroethane	6.003	62	1299740	126.559	ug/L		99
47) Methyl cyclohexane	6.375	83	2176700	126.872	ug/L		87
48) Trichloroethene	6.390	95	1131320	128.765	ug/L		98
50) Dibromomethane	6.838	93	592418	127.629	ug/L		99
51) 1,2-Dichloropropane	6.945	63	1098460	129.312	ug/L		98
53) 2-Chloroethyl vinyl ether	7.636	63	670407	135.130	ug/L		97
54) Bromodichloromethane	7.013	83	1434598	130.650	ug/L		99
57) 1,4-Dioxane	7.221	88	109001	1247.760	ug/L		92
58) cis-1,3-Dichloropropene	7.708	75	1805831	132.108	ug/L		99
61) Toluene	7.973	92	2729184	130.463	ug/L		99
62) 4-Methyl-2-pentanone	8.402	58	385932	132.170	ug/L		97
63) Tetrachloroethene	8.417	166	1248701	135.751	ug/L		98
65) trans-1,3-Dichloropropene	8.460	75	1616472	136.550	ug/L		94
67) Ethyl methacrylate	8.639	69	1350814	128.234	ug/L		92
68) 1,1,2-Trichloroethane	8.653	83	741888	131.124	ug/L		98
69) Chlorodibromomethane	8.861	129	1068770	139.575	ug/L		99
70) 1,3-Dichloropropane	8.976	76	1578876	133.258	ug/L		99
71) 1,2-Dibromoethane	9.140	107	917181	136.618	ug/L		99
72) 2-Hexanone	9.412	43	709193	133.434	ug/L		99
73) Chlorobenzene	9.785	112	2990265	132.391	ug/L		97
74) Ethylbenzene	9.818	91	5274684	131.318	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.876	131	1071770	135.671	ug/L		98
76) p/m Xylene	10.007	106	4175854	261.645	ug/L		97
77) o Xylene	10.542	106	3991995	260.545	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N12.D
Acq On : 19 Oct 2022 2:17 am
Operator : GONZO:MKS
Sample : I8260STD120PPB
Misc : WG1701421
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 19 09:52:32 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.608	104	6554917	261.378	ug/L		96
80)	Bromoform	10.641	173	776325	140.623	ug/L		99
82)	Isopropylbenzene	10.912	105	5338148	132.327	ug/L		100
84)	Bromobenzene	11.348	156	1313986	131.118	ug/L		98
85)	n-Propylbenzene	11.381	91	6442893	130.653	ug/L		99
86)	1,4-Dichlorobutane	11.406	55	1637649	132.531	ug/L		95
87)	1,1,2,2-Tetrachloroethane	11.480	83	1145990	130.953	ug/L		99
88)	4-Ethyltoluene	11.505	105	5332577	131.700	ug/L		99
89)	2-Chlorotoluene	11.554	91	3763824	130.411	ug/L		99
90)	1,3,5-Trimethylbenzene	11.603	105	4621331	131.737	ug/L		99
91)	1,2,3-Trichloropropane	11.612	75	1012192M1	129.104	ug/L		
92)	trans-1,4-Dichloro-2-b...	11.661	53	351483	132.848	ug/L	#	100
93)	4-Chlorotoluene	11.735	91	3905782	135.068	ug/L		98
94)	tert-Butylbenzene	11.932	119	3998762	133.287	ug/L		98
97)	1,2,4-Trimethylbenzene	12.015	105	4451737	131.757	ug/L		99
98)	sec-Butylbenzene	12.122	105	5959191	131.704	ug/L		100
99)	p-Isopropyltoluene	12.278	119	5097676	129.639	ug/L		100
100)	1,3-Dichlorobenzene	12.352	146	2530651	133.370	ug/L		99
101)	1,4-Dichlorobenzene	12.442	146	2516888	133.103	ug/L		99
102)	p-Diethylbenzene	12.640	119	3063594	134.527	ug/L		99
103)	n-Butylbenzene	12.697	91	4352446	130.675	ug/L		99
104)	1,2-Dichlorobenzene	12.862	146	2336982	131.253	ug/L		99
105)	1,2,4,5-Tetramethylben...	13.430	119	3938532	139.667	ug/L		98
106)	1,2-Dibromo-3-chloropr...	13.635	155	226247	137.204	ug/L		95
107)	1,3,5-Trichlorobenzene	13.660	180	1893148	136.621	ug/L		99
108)	Hexachlorobutadiene	14.228	225	985103	141.531	ug/L		99
109)	1,2,4-Trichlorobenzene	14.260	180	1554329	141.421	ug/L		99
110)	Naphthalene	14.548	128	3015289	139.246	ug/L		100
111)	1,2,3-Trichlorobenzene	14.721	180	1254953	141.552	ug/L		99

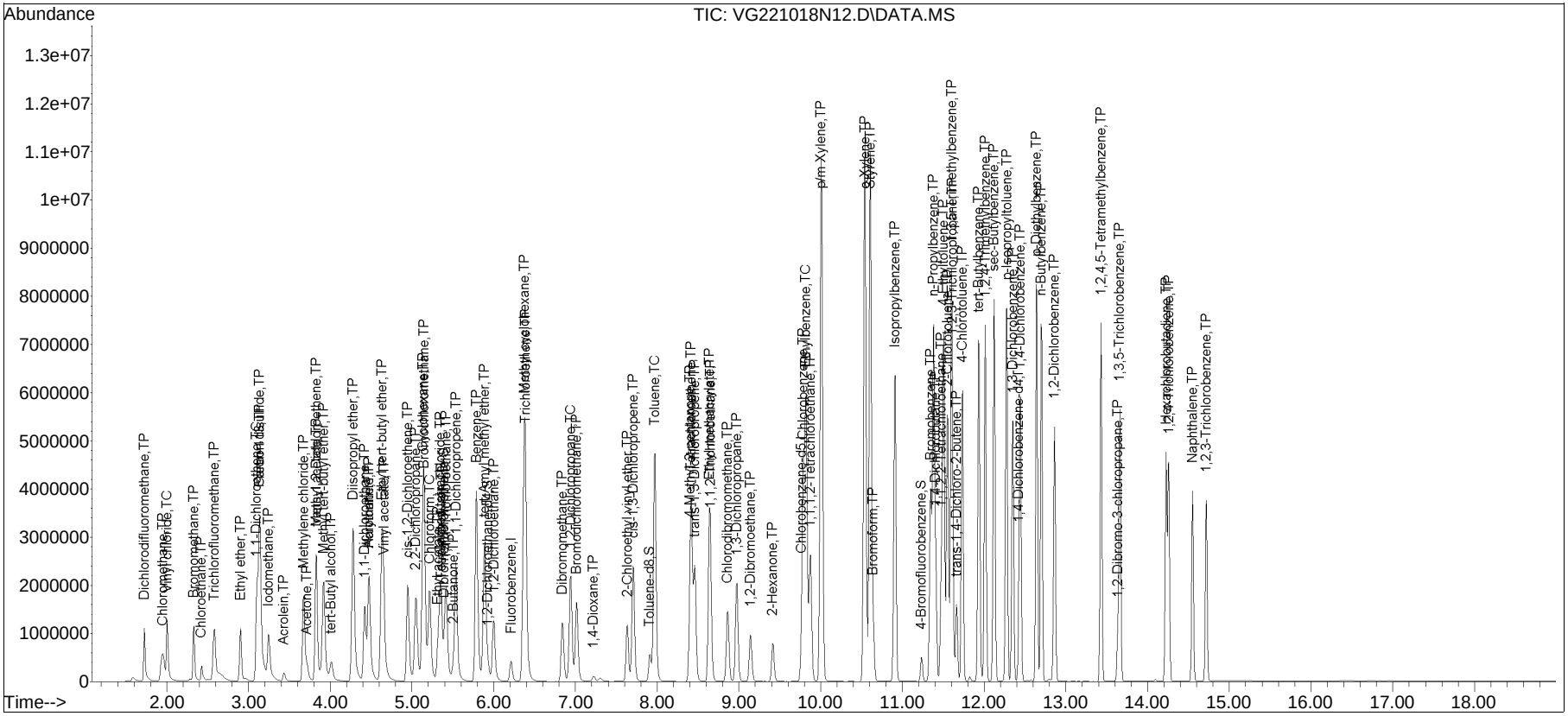
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N12.D
Acq On : 19 Oct 2022 2:17 am
Operator : GONZO:MKS
Sample : I8260STD120PPB
Misc : WG1701421
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 19 09:52:32 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

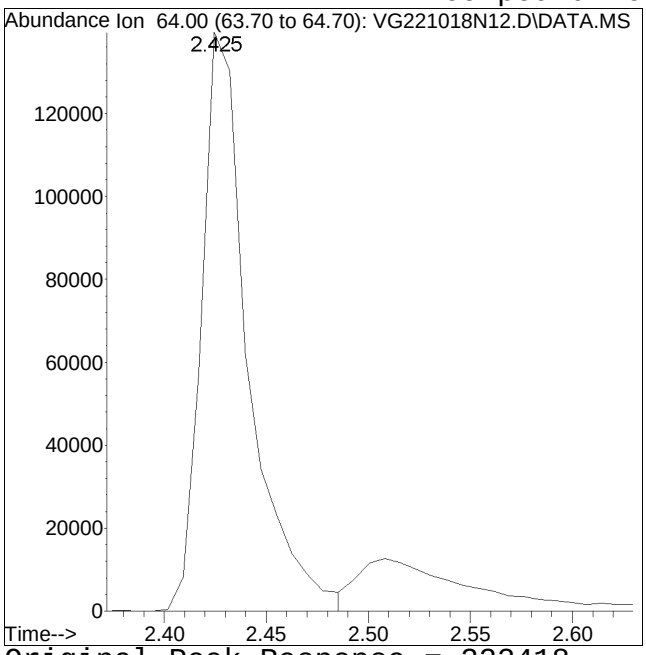
Sub List : 8260-Curve - Megamix plus Diox1018ICAL\VG221018N09.D•

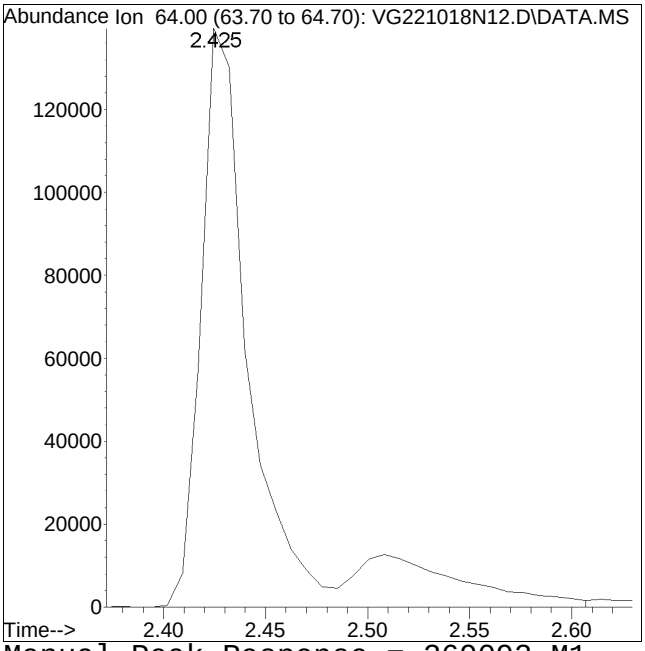


Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N12.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 2:17 am Instrument : Gonzo
Sample : I8260STD120PPB Quant Date : 10/19/2022 9:45 am

Compound #6: Chloroethane



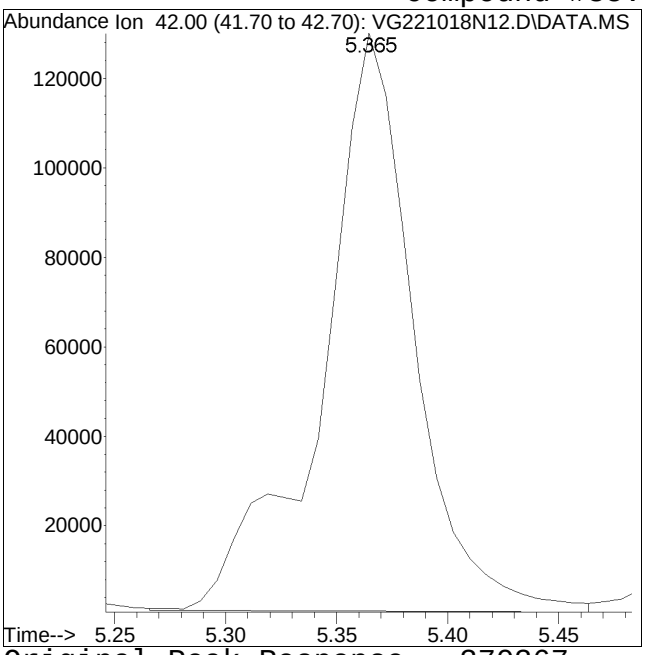


Original Peak Response = 222418 Manual Peak Response = 269092 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

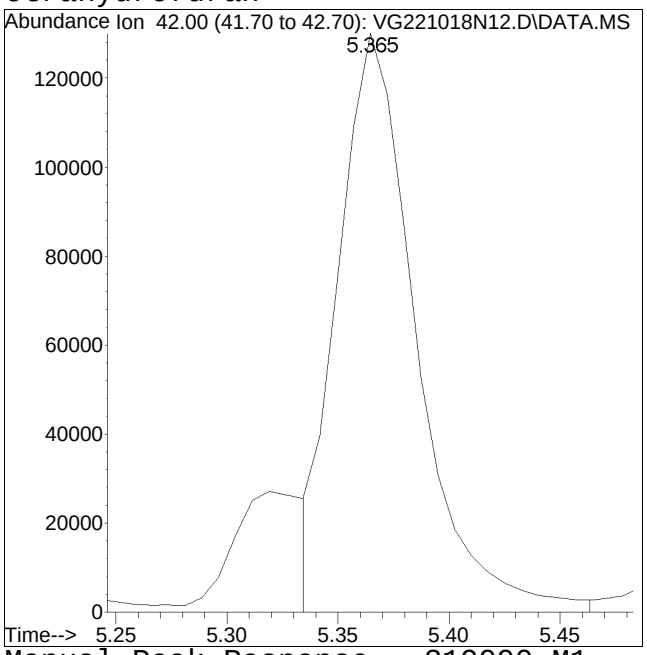
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N12.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 2:17 am Instrument : Gonzo
Sample : I8260STD120PPB Quant Date : 10/19/2022 9:45 am

Compound #35: Tetrahydrofuran



Original Peak Response = 370367



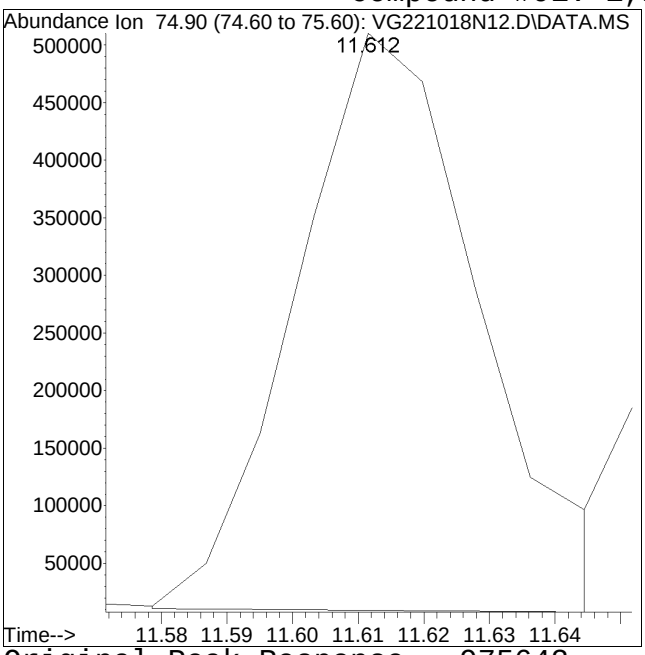
Manual Peak Response = 319990 M1

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

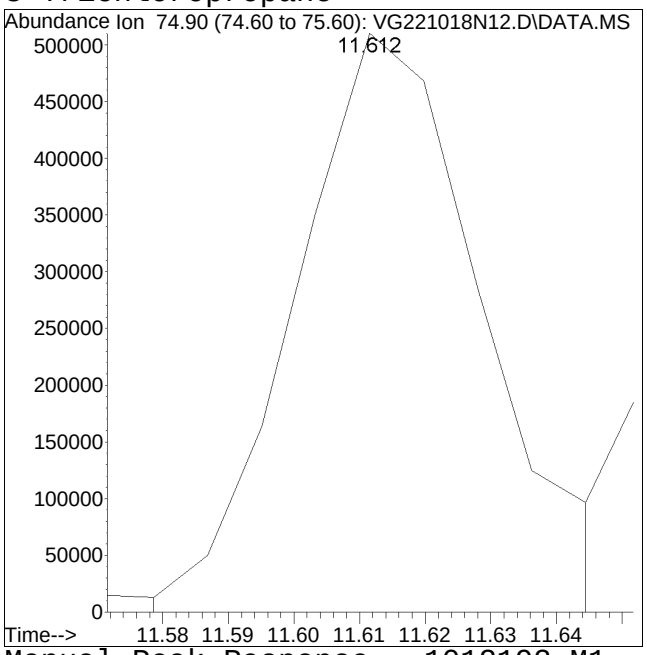
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N12.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 2:17 am Instrument : Gonzo
Sample : I8260STD120PPB Quant Date : 10/19/2022 9:45 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 975642



Manual Peak Response = 1012192 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N13.D
Acq On : 19 Oct 2022 2:43 am
Operator : GONZO:MKS
Sample : I8260STD200PPB
Misc : WG1701421
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 19 09:53:19 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.215	96	510539	10.000	ug/L	0.00
Standard Area 1 = 482021			Recovery = 105.92%			
59) Chlorobenzene-d5	9.769	117	395977	10.000	ug/L	0.00
Standard Area 1 = 382099			Recovery = 103.63%			
79) 1,4-Dichlorobenzene-d4	12.426	152	229438	10.000	ug/L	0.00
Standard Area 1 = 219687			Recovery = 104.44%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.402	113	124749	9.750	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.50%			
43) 1,2-Dichloroethane-d4	5.934	65	147272	9.360	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.60%			
60) Toluene-d8	7.915	98	513719	10.154	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.54%			
83) 4-Bromofluorobenzene	11.233	95	198681	9.783	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.83%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.725	85	1578064	200.586	ug/L	99
3) Chloromethane	1.953	50	2040849	209.899	ug/L	99
4) Vinyl chloride	2.007	62	2012019	214.454	ug/L	99
5) Bromomethane	2.333	94	1056859	268.038	ug/L	99
6) Chloroethane	2.424	64	407619M1	150.256	ug/L	
7) Trichlorofluoromethane	2.576	101	2536024M1	234.861	ug/L	
8) Ethyl ether	2.903	74	813076	208.382	ug/L	91
10) 1,1-Dichloroethene	3.108	96	1640299	215.735	ug/L	92
11) Carbon disulfide	3.139	76	4366495	221.385	ug/L	100
12) Freon-113	3.139	101	1727821	212.884	ug/L	91
13) Iodomethane	3.245	142	2230089	230.952	ug/L	95
14) Acrolein	3.435	56	277823	220.017	ug/L	97
15) Methylene chloride	3.678	84	1717236	207.701	ug/L	92
17) Acetone	3.716	43	490814	199.775	ug/L	95
18) trans-1,2-Dichloroethene	3.830	96	1709659	209.688	ug/L	90
19) Methyl acetate	3.837	43	1227559	213.650	ug/L #	93
20) Methyl tert-butyl ether	3.921	73	4441934	212.513	ug/L	97
21) tert-Butyl alcohol	4.020	59	904251	1029.050	ug/L	95
22) Diisopropyl ether	4.278	45	6109234	221.888	ug/L	95
23) 1,1-Dichloroethane	4.422	63	3256049	211.759	ug/L	98
24) Halothane	4.476	117	1404810	214.694	ug/L	99

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N13.D
Acq On : 19 Oct 2022 2:43 am
Operator : GONZO:MKS
Sample : I8260STD200PPB
Misc : WG1701421
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 19 09:53:19 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.476	53	587249	212.318	ug/L		92
26) Ethyl tert-butyl ether	4.635	59	5656614	221.216	ug/L		92
27) Vinyl acetate	4.658	43	3908995	241.989	ug/L		100
28) cis-1,2-Dichloroethene	4.947	96	1900181	208.945	ug/L		94
29) 2,2-Dichloropropane	5.053	77	2560510	199.733	ug/L		95
30) Bromochloromethane	5.152	128	815202	199.892	ug/L	#	88
31) Cyclohexane	5.144	56	3593222	209.541	ug/L		86
32) Chloroform	5.220	83	3008300	209.521	ug/L		100
33) Ethyl acetate	5.319	43	1753223	220.962	ug/L		98
34) Carbon tetrachloride	5.349	117	2412286	217.476	ug/L		99
35) Tetrahydrofuran	5.364	42	536053M1	203.151	ug/L		
37) 1,1,1-Trichloroethane	5.418	97	2670658	210.111	ug/L		98
39) 2-Butanone	5.509	43	823238	215.222	ug/L	#	75
40) 1,1-Dichloropropene	5.539	75	2519136	216.976	ug/L		98
41) Benzene	5.790	78	7427004	214.243	ug/L		97
42) tert-Amyl methyl ether	5.889	73	5148090	221.259	ug/L		99
44) 1,2-Dichloroethane	6.003	62	2165887	206.539	ug/L		100
47) Methyl cyclohexane	6.375	83	3702832	211.365	ug/L		87
48) Trichloroethene	6.390	95	1870199	208.464	ug/L		98
50) Dibromomethane	6.838	93	992947	209.498	ug/L		99
51) 1,2-Dichloropropane	6.945	63	1835571	211.620	ug/L		98
53) 2-Chloroethyl vinyl ether	7.636	63	1121851	221.453	ug/L		97
54) Bromodichloromethane	7.013	83	2354257	209.973	ug/L		99
57) 1,4-Dioxane	7.228	88	178350	1999.425	ug/L		92
58) cis-1,3-Dichloropropene	7.707	75	3020951	216.435	ug/L		99
61) Toluene	7.973	92	4544432	212.821	ug/L		98
62) 4-Methyl-2-pentanone	8.409	58	642519	215.570	ug/L		97
63) Tetrachloroethene	8.417	166	2107177	224.421	ug/L		98
65) trans-1,3-Dichloropropene	8.460	75	2720329	225.126	ug/L		94
67) Ethyl methacrylate	8.639	69	2253441	209.573	ug/L		93
68) 1,1,2-Trichloroethane	8.653	83	1242905	215.210	ug/L		98
69) Chlorodibromomethane	8.861	129	1806727	231.150	ug/L		99
70) 1,3-Dichloropropane	8.975	76	2659937	219.935	ug/L		100
71) 1,2-Dibromoethane	9.140	107	1535320	224.044	ug/L		100
72) 2-Hexanone	9.412	43	1208113	222.684	ug/L		99
73) Chlorobenzene	9.793	112	5017752	217.640	ug/L		96
74) Ethylbenzene	9.826	91	8923362	217.639	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.876	131	1820751	225.796	ug/L		98
76) p/m Xylene	10.007	106	6892397	423.074	ug/L		97
77) o Xylene	10.542	106	6519290	416.843	ug/L		96

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N13.D
Acq On : 19 Oct 2022 2:43 am
Operator : GONZO:MKS
Sample : I8260STD200PPB
Misc : WG1701421
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 19 09:53:19 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.608	104	10624714	415.049	ug/L		95
80) Bromoform	10.641	173	1284915	225.633	ug/L		98
82) Isopropylbenzene	10.912	105	8950101	215.080	ug/L		99
84) Bromobenzene	11.348	156	2194401	212.277	ug/L		99
85) n-Propylbenzene	11.381	91	10626722	208.907	ug/L		100
86) 1,4-Dichlorobutane	11.406	55	2714601	212.970	ug/L		94
87) 1,1,2,2-Tetrachloroethane	11.480	83	1935704	214.431	ug/L		99
88) 4-Ethyltoluene	11.504	105	8880374	212.614	ug/L		99
89) 2-Chlorotoluene	11.554	91	6308052	211.882	ug/L		99
90) 1,3,5-Trimethylbenzene	11.603	105	7629592	210.841	ug/L		99
91) 1,2,3-Trichloropropane	11.620	75	1650706M1	204.108	ug/L		
92) trans-1,4-Dichloro-2-b...	11.661	53	592223	216.996	ug/L	#	100
93) 4-Chlorotoluene	11.735	91	6471503	216.952	ug/L		97
94) tert-Butylbenzene	11.940	119	6598179	213.207	ug/L		98
97) 1,2,4-Trimethylbenzene	12.014	105	7410104	212.610	ug/L		99
98) sec-Butylbenzene	12.121	105	9798128	209.927	ug/L		100
99) p-Isopropyltoluene	12.278	119	8462026	208.619	ug/L		99
100) 1,3-Dichlorobenzene	12.352	146	4206212	214.898	ug/L		99
101) 1,4-Dichlorobenzene	12.442	146	4206122	215.636	ug/L		99
102) p-Diethylbenzene	12.648	119	5154645	219.428	ug/L		98
103) n-Butylbenzene	12.705	91	7303995	212.586	ug/L		99
104) 1,2-Dichlorobenzene	12.862	146	3904428	212.581	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.429	119	6687136	229.886	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.635	155	380582	223.741	ug/L		96
107) 1,3,5-Trichlorobenzene	13.660	180	3111868	217.705	ug/L		99
108) Hexachlorobutadiene	14.227	225	1609693	224.196	ug/L		99
109) 1,2,4-Trichlorobenzene	14.260	180	2546964	224.651	ug/L		100
110) Naphthalene	14.548	128	5039512	225.609	ug/L		100
111) 1,2,3-Trichlorobenzene	14.721	180	2019231	220.795	ug/L		100

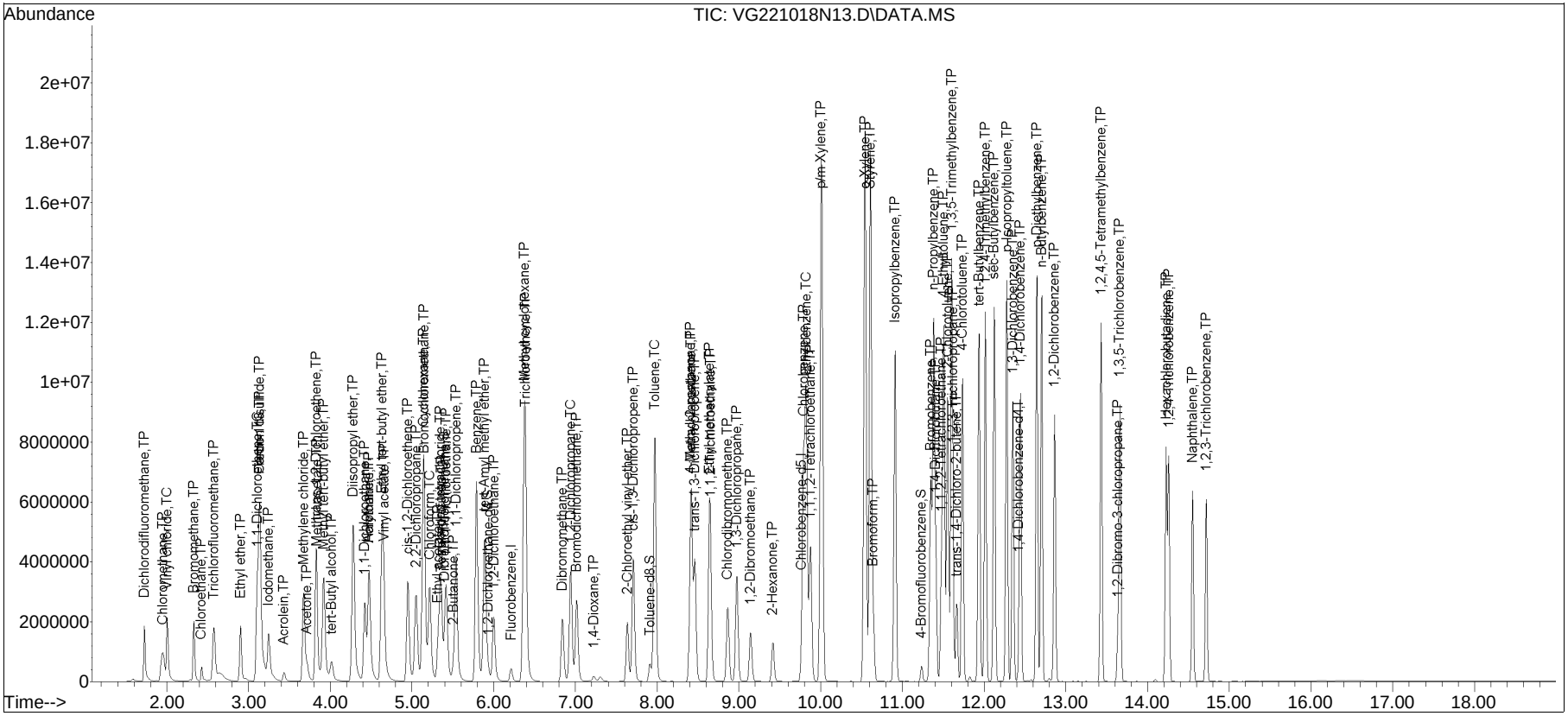
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N13.D
Acq On : 19 Oct 2022 2:43 am
Operator : GONZO:MKS
Sample : I8260STD200PPB
Misc : WG1701421
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 19 09:53:19 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:44:43 2022
Response via : Initial Calibration

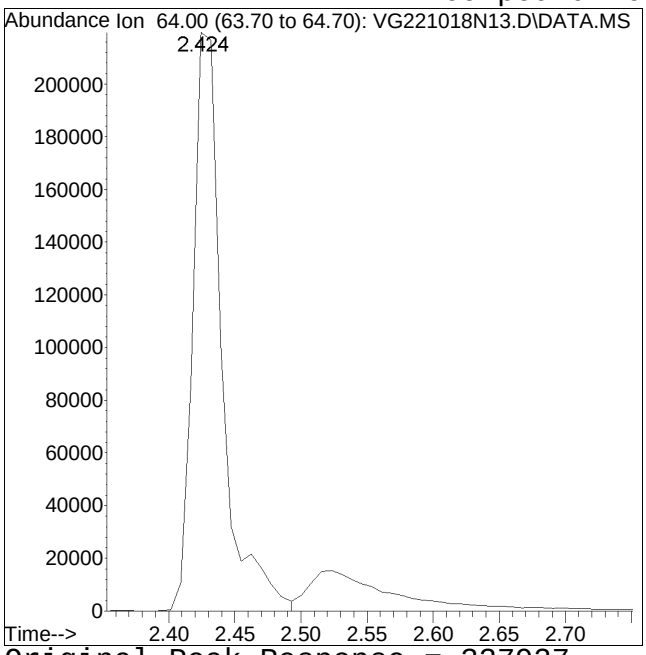
Sub List : 8260-Curve - Megamix plus Diox1018ICAL\VG221018N09.D•

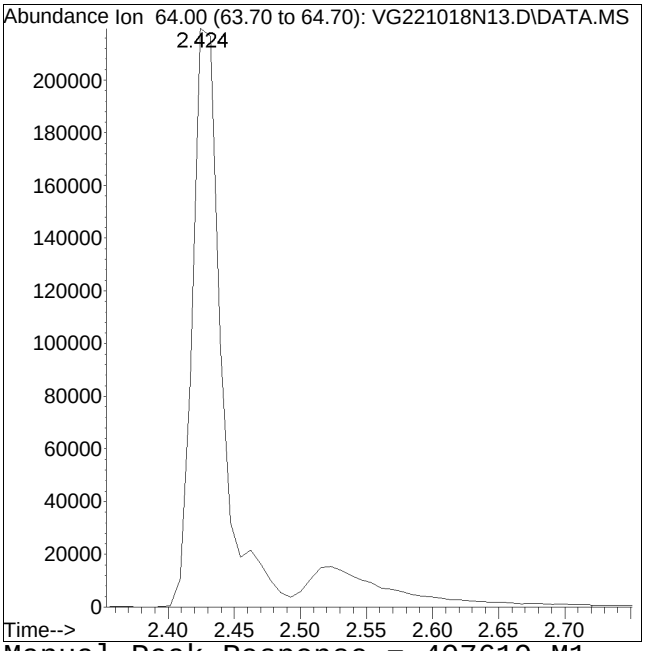


Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N13.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 2:43 am Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 10/19/2022 9:45 am

Compound #6: Chloroethane



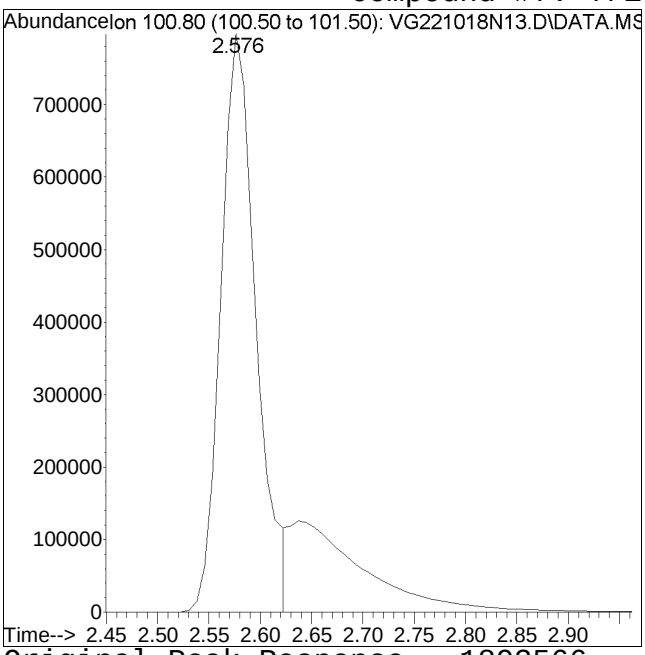


Original Peak Response = 337927 Manual Peak Response = 407619 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

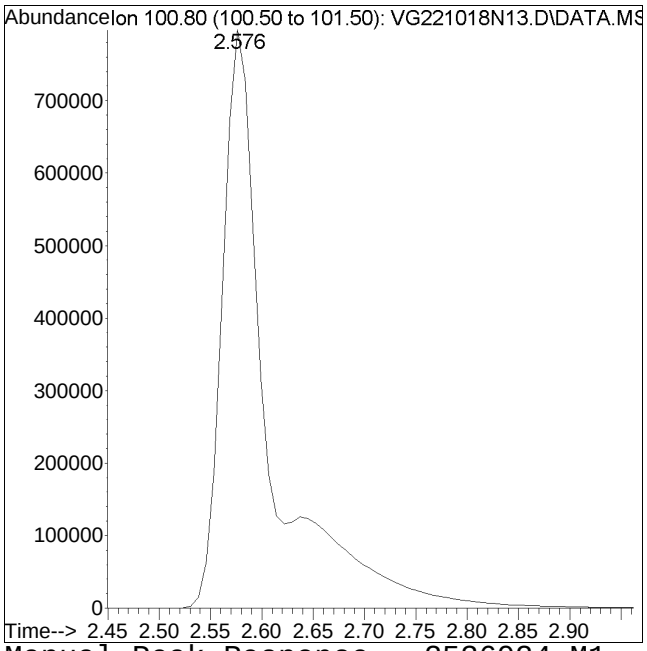
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N13.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 2:43 am Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 10/19/2022 9:45 am

Compound #7: Trichlorofluoromethane



Original Peak Response = 1893566



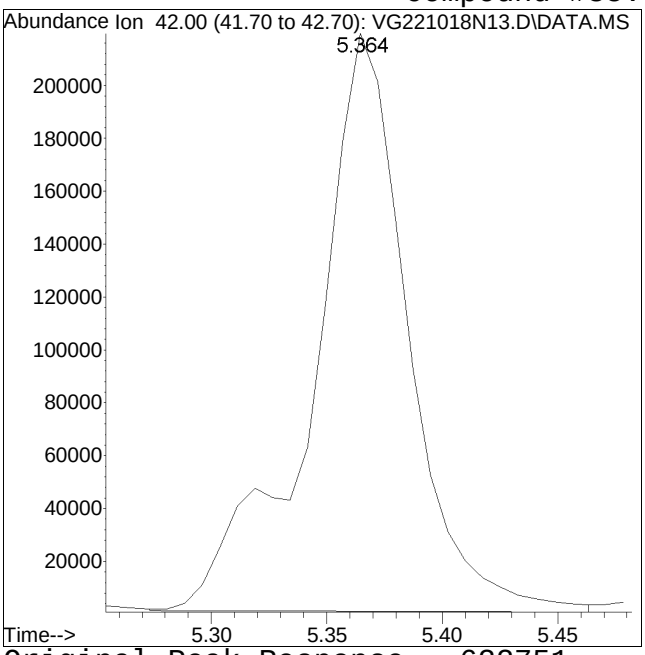
Manual Peak Response = 2536024 M1

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

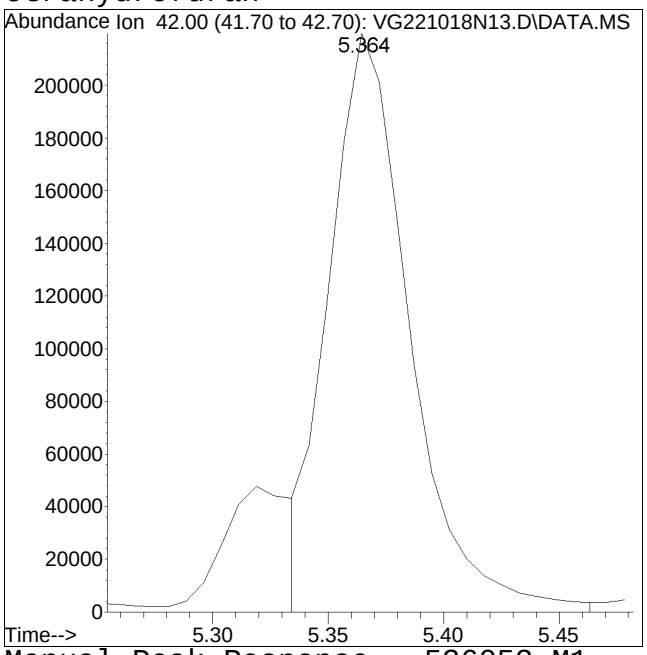
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N13.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 2:43 am Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 10/19/2022 9:45 am

Compound #35: Tetrahydrofuran



Original Peak Response = 622751



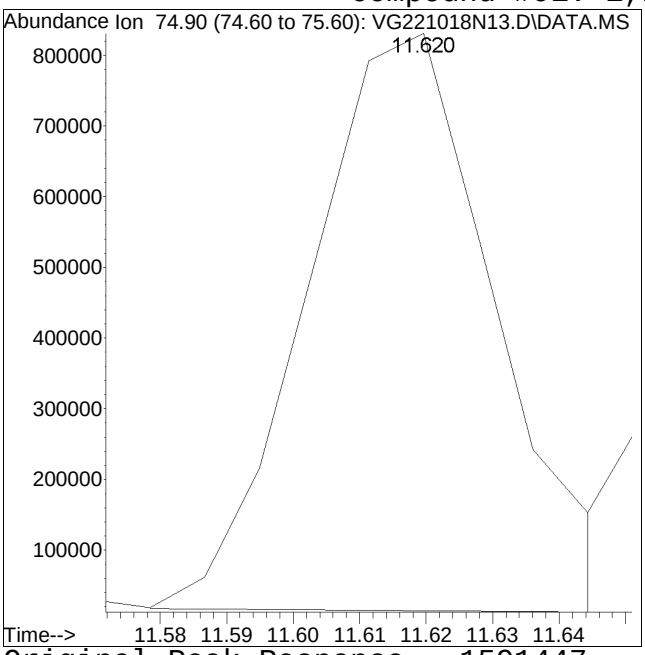
Manual Peak Response = 536053 M1

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

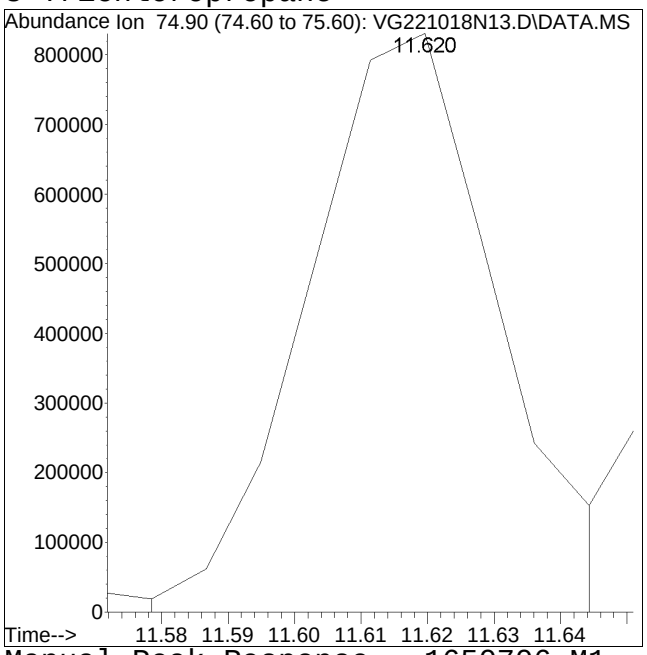
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N13.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 2:43 am Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 10/19/2022 9:45 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 1591447



Manual Peak Response = 1650706 M1

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N20.D
Acq On : 19 Oct 2022 5:46 am
Operator : GONZO:MKS
Sample : C8260STD10PPB
Misc : WG1701421
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 19 09:59:04 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
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	106	0.00
2	TP	Dichlorodifluoromethane	0.153	0.186	-21.6#	128	0.00
3	TP	Chloromethane	0.202	0.219	-8.4	122	0.00
4	TC	Vinyl chloride	0.180	0.203	-12.8	117	0.00
5	TP	Bromomethane	0.094	0.101	-7.4	138	0.00
6	TP	Chloroethane	0.051	0.057	-11.8	114	0.00
7	TP	Trichlorofluoromethane	0.224	0.235	-4.9	118	0.00
8	TP	Ethyl ether	0.075	0.088	-17.3	122	0.00
10	TC	1,1-Dichloroethene	0.153	0.142	7.2	101	0.00
11	TP	Carbon disulfide	0.396	0.441	-11.4	121	0.00
12	TP	Freon-113	0.156	0.153	1.9	102	0.00
13	TP	Iodomethane	0.203	0.199	2.0	112	0.00
14	TP	Acrolein	0.026	0.020	23.1#	85	0.00
15	TP	Methylene chloride	0.176	0.155	11.9	101	0.00
17	TP	Acetone	0.049	0.043	12.2	95	0.00
18	TP	trans-1,2-Dichloroethene	0.162	0.148	8.6	98	0.00
19	TP	Methyl acetate	0.120	0.103	14.2	97	0.00
20	TP	Methyl tert-butyl ether	0.415	0.405	2.4	105	0.00
21	TP	tert-Butyl alcohol	0.017	0.016	5.9	97	0.00
22	TP	Diisopropyl ether	0.553	0.485	12.3	95	0.00
23	TP	1,1-Dichloroethane	0.300	0.288#	4.0	101	0.00
24	TP	Halothane	0.129	0.131	-1.6	108	0.00
25	TP	Acrylonitrile	0.056	0.051	8.9	99	0.00
26	TP	Ethyl tert-butyl ether	0.516	0.459	11.0	97	0.00
27	TP	Vinyl acetate	0.343	0.244	28.9#	82	0.00
28	TP	cis-1,2-Dichloroethene	0.185	0.165#	10.8	98	0.00
29	TP	2,2-Dichloropropane	0.248	0.198	20.2#	84	0.00
30	TP	Bromochloromethane	0.079	0.074#	6.3	98	0.00
31	TP	Cyclohexane	0.333	0.307	7.8	97	0.00
32	TC	Chloroform	0.291	0.257	11.7	97	0.00
33	TP	Ethyl acetate	0.163	0.152	6.7	104	0.00
34	TP	Carbon tetrachloride	0.219	0.204	6.8	99	0.00
35	TP	Tetrahydrofuran	0.053	0.049	7.5	101	0.00
36	S	Dibromofluoromethane	0.249	0.245	1.6	103	0.00
37	TP	1,1,1-Trichloroethane	0.250	0.240	4.0	102	0.00
39	TP	2-Butanone	0.080	0.068	15.0	96	0.00
40	TP	1,1-Dichloropropene	0.227	0.221	2.6	103	0.00
41	TP	Benzene	0.687	0.630	8.3	98	0.00
42	TP	tert-Amyl methyl ether	0.468	0.408	12.8	95	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N20.D
Acq On : 19 Oct 2022 5:46 am
Operator : GONZO:MKS
Sample : C8260STD10PPB
Misc : WG1701421
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 19 09:59:04 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
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	0.292	0.301	-3.1	104	0.00
44	TP	1,2-Dichloroethane	0.207	0.191	7.7	99	0.00
47	TP	Methyl cyclohexane	0.345	0.316	8.4	98	0.00
48	TP	Trichloroethene	0.189	0.172#	9.0	104	0.00
50	TP	Dibromomethane	0.093	0.086	7.5	99	0.00
51	TC	1,2-Dichloropropane	0.170	0.158	7.1	99	0.00
53	TP	2-Chloroethyl vinyl ether	0.100	0.095	5.0	102	0.00
54	TP	Bromodichloromethane	0.226	0.203#	10.2	98	0.00
57	TP	1,4-Dioxane	0.00164	0.00170#	-3.7	103	0.00
58	TP	cis-1,3-Dichloropropene	0.278	0.250#	10.1	97	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
60	S	Toluene-d8	1.290	1.286	0.3	105	0.00
61	TC	Toluene	0.548	0.508	7.3	98	0.00
62	TP	4-Methyl-2-pentanone	0.080	0.068	15.0	94	0.00
63	TP	Tetrachloroethene	0.244	0.232	4.9	102	0.00
65	TP	trans-1,3-Dichloropropene	0.311	0.282#	9.3	97	0.00
67	TP	Ethyl methacrylate	0.277	0.249	10.1	96	0.00
68	TP	1,1,2-Trichloroethane	0.162	0.136#	16.0	97	0.00
69	TP	Chlorodibromomethane	0.209	0.190#	9.1	100	0.00
70	TP	1,3-Dichloropropane	0.313	0.284	9.3	97	0.00
71	TP	1,2-Dibromoethane	0.180	0.162#	10.0	98	0.00
72	TP	2-Hexanone	0.148	0.123	16.9	94	0.00
73	TP	Chlorobenzene	0.594	0.552	7.1	99	0.00
74	TC	Ethylbenzene	1.070	0.992	7.3	100	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.210	0.191	9.0	98	0.00
76	TP	p/m Xylene	0.419	0.388	7.4	98	0.00
77	TP	o Xylene	0.397	0.375	5.5	99	0.00
78	TP	Styrene	0.649	0.630	2.9	102	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
80	TP	Bromoform	0.258	0.242	6.2	102	0.00
82	TP	Isopropylbenzene	1.813	1.720	5.1	99	0.00
83	S	4-Bromofluorobenzene	0.883	0.886	-0.3	105	0.00
84	TP	Bromobenzene	0.455	0.424	6.8	98	0.00
85	TP	n-Propylbenzene	2.202	2.101	4.6	99	0.00
86	TP	1,4-Dichlorobutane	0.571	0.557	2.5	105	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.425	0.349	17.9	93	0.00
88	TP	4-Ethyltoluene	1.826	1.807	1.0	104	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N20.D
Acq On : 19 Oct 2022 5:46 am
Operator : GONZO:MKS
Sample : C8260STD10PPB
Misc : WG1701421
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 19 09:59:04 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
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	1.293	1.205	6.8	97	0.00
90 TP	1,3,5-Trimethylbenzene	1.581	1.473	6.8	98	0.00
91 TP	1,2,3-Trichloropropane	0.353	0.324	8.2	96	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.127	0.110	13.4	97	0.00
93 TP	4-Chlorotoluene	1.333	1.255	5.9	101	0.00
94 TP	tert-Butylbenzene	1.348	1.298	3.7	101	0.00
97 TP	1,2,4-Trimethylbenzene	1.522	1.474	3.2	102	0.00
98 TP	sec-Butylbenzene	2.020	1.939	4.0	100	0.00
99 TP	p-Isopropyltoluene	1.733	1.677	3.2	99	0.00
100 TP	1,3-Dichlorobenzene	0.859	0.818	4.8	100	0.00
101 TP	1,4-Dichlorobenzene	0.867	0.778	10.3	96	0.00
102 TP	p-Diethylbenzene	1.028	0.982	4.5	100	0.00
103 TP	n-Butylbenzene	1.479	1.493	-0.9	104	0.00
104 TP	1,2-Dichlorobenzene	0.802	0.760	5.2	99	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.307	1.232	5.7	102	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.078	0.070	10.3	100	0.00
107 TP	1,3,5-Trichlorobenzene	0.634	0.634	0.0	107	0.00
108 TP	Hexachlorobutadiene	0.321	0.294	8.4	98	0.00
109 TP	1,2,4-Trichlorobenzene	0.510	0.479	6.1	101	0.00
110 TP	Naphthalene	1.011	0.982	2.9	106	0.00
111 TP	1,2,3-Trichlorobenzene	0.413	0.397#	3.9	104	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 12 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N20.D
Acq On : 19 Oct 2022 5:46 am
Operator : GONZO:MKS
Sample : C8260STD10PPB
Misc : WG1701421
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 19 09:59:04 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.215	96	510971	10.000 ug/L	0.00
Standard Area 1 = 482021			Recovery = 106.01%		
59) Chlorobenzene-d5	9.769	117	398953	10.000 ug/L	0.00
Standard Area 1 = 382099			Recovery = 104.41%		
79) 1,4-Dichlorobenzene-d4	12.426	152	229931	10.000 ug/L	0.00
Standard Area 1 = 219687			Recovery = 104.66%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.402	113	124978	9.803 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.03%		
43) 1,2-Dichloroethane-d4	5.934	65	153816	10.309 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.09%		
60) Toluene-d8	7.915	98	512980	9.967 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.67%		
83) 4-Bromofluorobenzene	11.233	95	203618	10.034 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.34%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.725	85	95192	12.142 ug/L	100
3) Chloromethane	1.946	50	111999	10.847 ug/L	97
4) Vinyl chloride	2.007	62	103579	11.241 ug/L	99
5) Bromomethane	2.333	94	51406	10.724 ug/L	96
6) Chloroethane	2.432	64	29235M1	11.167 ug/L	
7) Trichlorofluoromethane	2.584	101	120144M1	10.506 ug/L	
8) Ethyl ether	2.903	74	45007	11.754 ug/L	90
10) 1,1-Dichloroethene	3.108	96	72622	9.270 ug/L	95
11) Carbon disulfide	3.138	76	225268	11.144 ug/L	100
12) Freon-113	3.138	101	78116	9.800 ug/L #	75
13) Iodomethane	3.252	142	101837	9.819 ug/L	95
14) Acrolein	3.442	56	10193	7.604 ug/L	96
15) Methylene chloride	3.678	84	79208	8.818 ug/L	94
17) Acetone	3.716	43	22138	8.774 ug/L #	84
18) trans-1,2-Dichloroethene	3.830	96	75662	9.126 ug/L	91
19) Methyl acetate	3.837	43	52405	8.532 ug/L	96
20) Methyl tert-butyl ether	3.921	73	206968	9.764 ug/L	96
21) tert-Butyl alcohol	4.020	59	40147	45.330 ug/L	89
22) Diisopropyl ether	4.278	45	247978	8.769 ug/L	96
23) 1,1-Dichloroethane	4.422	63	147091	9.583 ug/L	99
24) Halothane	4.476	117	66734	10.134 ug/L	100

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N20.D
Acq On : 19 Oct 2022 5:46 am
Operator : GONZO:MKS
Sample : C8260STD10PPB
Misc : WG1701421
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 19 09:59:04 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.476	53	25880	9.059	ug/L		93
26) Ethyl tert-butyl ether	4.635	59	234476	8.888	ug/L		94
27) Vinyl acetate	4.658	43	124650	7.119	ug/L		99
28) cis-1,2-Dichloroethene	4.954	96	84123	8.909	ug/L		96
29) 2,2-Dichloropropane	5.053	77	101164	7.990	ug/L		97
30) Bromochloromethane	5.144	128	37860	9.330	ug/L		90
31) Cyclohexane	5.137	56	156847	9.217	ug/L		87
32) Chloroform	5.220	83	131473	8.849	ug/L		96
33) Ethyl acetate	5.319	43	77919	9.327	ug/L		99
34) Carbon tetrachloride	5.349	117	104050	9.286	ug/L		98
35) Tetrahydrofuran	5.372	42	25145M4	9.234	ug/L		
37) 1,1,1-Trichloroethane	5.418	97	122610	9.579	ug/L		98
39) 2-Butanone	5.509	43	34686	8.461	ug/L	#	76
40) 1,1-Dichloropropene	5.539	75	112932	9.754	ug/L		97
41) Benzene	5.790	78	322044	9.168	ug/L		97
42) tert-Amyl methyl ether	5.889	73	208550	8.722	ug/L		99
44) 1,2-Dichloroethane	6.003	62	97548	9.222	ug/L		98
47) Methyl cyclohexane	6.375	83	161288	9.137	ug/L		89
48) Trichloroethene	6.390	95	88108	9.116	ug/L		98
50) Dibromomethane	6.846	93	44093	9.294	ug/L		98
51) 1,2-Dichloropropane	6.945	63	80802	9.279	ug/L		98
53) 2-Chloroethyl vinyl ether	7.636	63	48720	9.498	ug/L		98
54) Bromodichloromethane	7.020	83	103768	8.990	ug/L		99
57) 1,4-Dioxane	7.228	88	43383	519.193	ug/L		89
58) cis-1,3-Dichloropropene	7.707	75	127490	8.989	ug/L		97
61) Toluene	7.972	92	202822	9.284	ug/L		99
62) 4-Methyl-2-pentanone	8.409	58	27092	8.508	ug/L		95
63) Tetrachloroethene	8.417	166	92395	9.485	ug/L		97
65) trans-1,3-Dichloropropene	8.460	75	112589	9.074	ug/L		96
67) Ethyl methacrylate	8.639	69	99197	8.962	ug/L		92
68) 1,1,2-Trichloroethane	8.646	83	54311	8.422	ug/L		98
69) Chlorodibromomethane	8.861	129	75637	9.083	ug/L		99
70) 1,3-Dichloropropane	8.975	76	113261	9.082	ug/L		100
71) 1,2-Dibromoethane	9.140	107	64597	9.016	ug/L		100
72) 2-Hexanone	9.419	43	48973	8.271	ug/L		97
73) Chlorobenzene	9.785	112	220359	9.300	ug/L		96
74) Ethylbenzene	9.818	91	395738	9.268	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.876	131	76225	9.095	ug/L		97
76) p/m Xylene	10.007	106	309576	18.534	ug/L		97
77) o Xylene	10.542	106	299131	18.886	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N20.D
Acq On : 19 Oct 2022 5:46 am
Operator : GONZO:MKS
Sample : C8260STD10PPB
Misc : WG1701421
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 19 09:59:04 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221018ICAL\VG221018N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.608	104	502546	19.394	ug/L		97
80)	Bromoform	10.641	173	55561	9.349	ug/L		98
82)	Isopropylbenzene	10.912	105	395369	9.487	ug/L		99
84)	Bromobenzene	11.348	156	97390	9.301	ug/L		99
85)	n-Propylbenzene	11.381	91	483102	9.544	ug/L		99
86)	1,4-Dichlorobutane	11.406	55	128142	9.767	ug/L		96
87)	1,1,2,2-Tetrachloroethane	11.472	83	80134	8.210	ug/L		99
88)	4-Ethyltoluene	11.504	105	415519	9.898	ug/L		99
89)	2-Chlorotoluene	11.554	91	276976	9.318	ug/L		99
90)	1,3,5-Trimethylbenzene	11.595	105	338601	9.312	ug/L		99
91)	1,2,3-Trichloropropane	11.611	75	74386M1	9.153	ug/L		
92)	trans-1,4-Dichloro-2-b...	11.661	53	25233	8.672	ug/L	#	99
93)	4-Chlorotoluene	11.735	91	288617	9.415	ug/L		97
94)	tert-Butylbenzene	11.932	119	298382	9.626	ug/L		98
97)	1,2,4-Trimethylbenzene	12.014	105	338967	9.684	ug/L		99
98)	sec-Butylbenzene	12.121	105	445906	9.600	ug/L		99
99)	p-Isopropyltoluene	12.269	119	385594	9.679	ug/L		100
100)	1,3-Dichlorobenzene	12.352	146	188155	9.522	ug/L		100
101)	1,4-Dichlorobenzene	12.442	146	178891	8.973	ug/L		99
102)	p-Diethylbenzene	12.640	119	225872	9.557	ug/L		98
103)	n-Butylbenzene	12.697	91	343219	10.095	ug/L		100
104)	1,2-Dichlorobenzene	12.862	146	174781	9.480	ug/L		99
105)	1,2,4,5-Tetramethylben...	13.429	119	283353	9.429	ug/L		98
106)	1,2-Dibromo-3-chloropr...	13.635	155	16208	9.017	ug/L		92
107)	1,3,5-Trichlorobenzene	13.660	180	145834	10.007	ug/L		98
108)	Hexachlorobutadiene	14.227	225	67508	9.139	ug/L		98
109)	1,2,4-Trichlorobenzene	14.260	180	110059	9.381	ug/L		98
110)	Naphthalene	14.548	128	225706	9.705	ug/L		100
111)	1,2,3-Trichlorobenzene	14.721	180	91310	9.609	ug/L		99

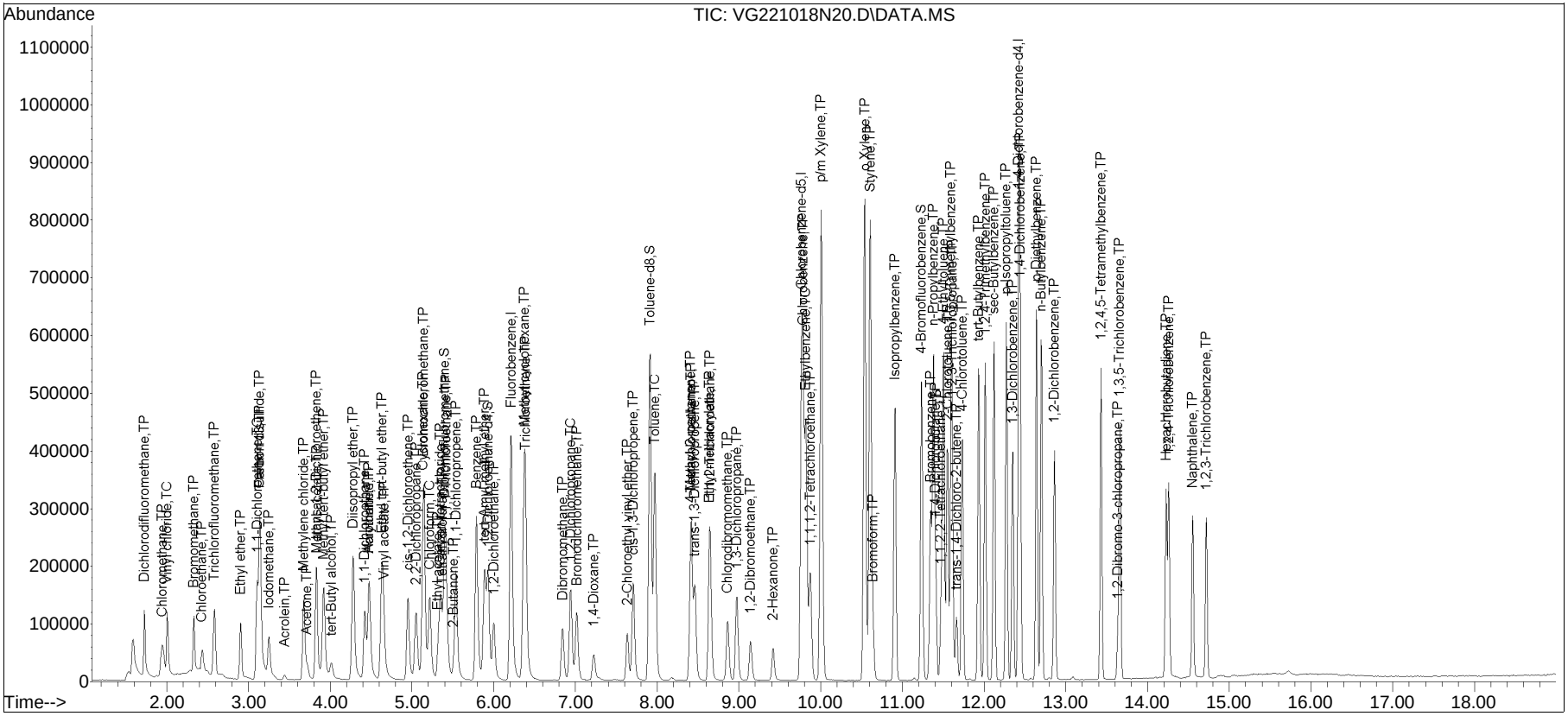
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221018ICAL\
Data File : VG221018N20.D
Acq On : 19 Oct 2022 5:46 am
Operator : GONZO:MKS
Sample : C8260STD10PPB
Misc : WG1701421
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 19 09:59:04 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221018ICAL\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

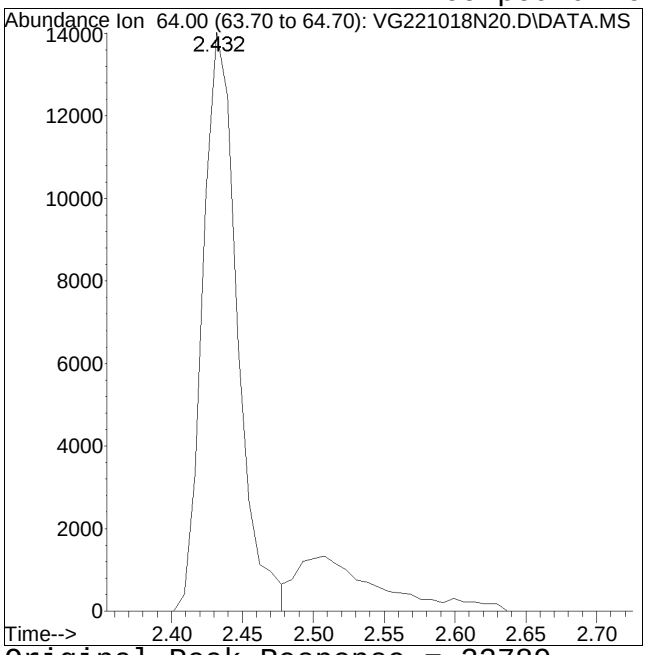
Sub List : 8260-Curve - Megamix plus Diox1018ICAL\VG221018N09.D•

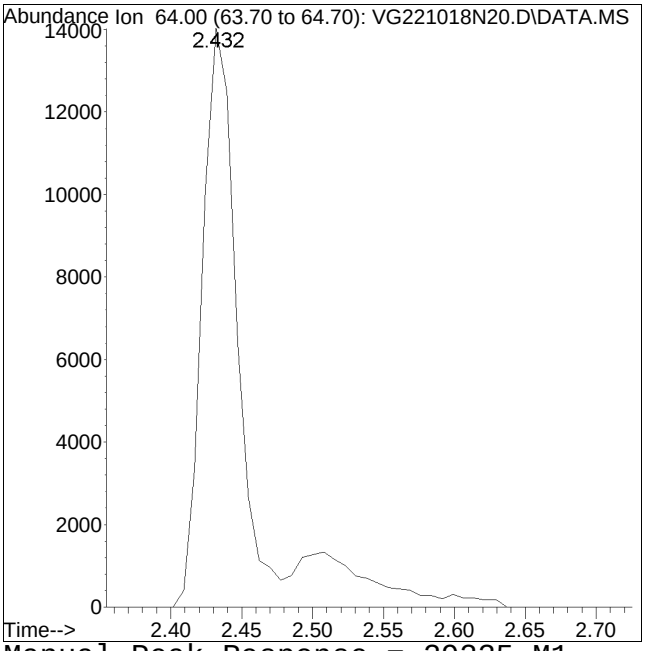


Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N20.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 5:46 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 10/19/2022 9:58 am

Compound #6: Chloroethane



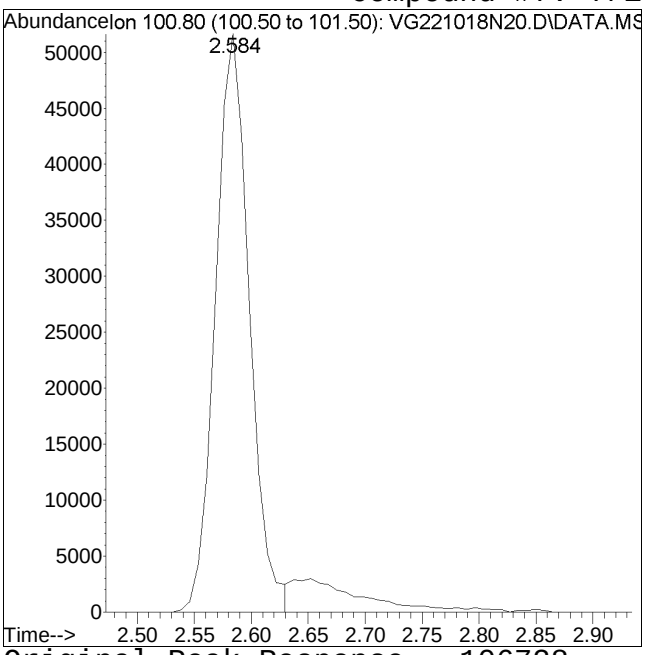


Original Peak Response = 23789 Manual Peak Response = 29235 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

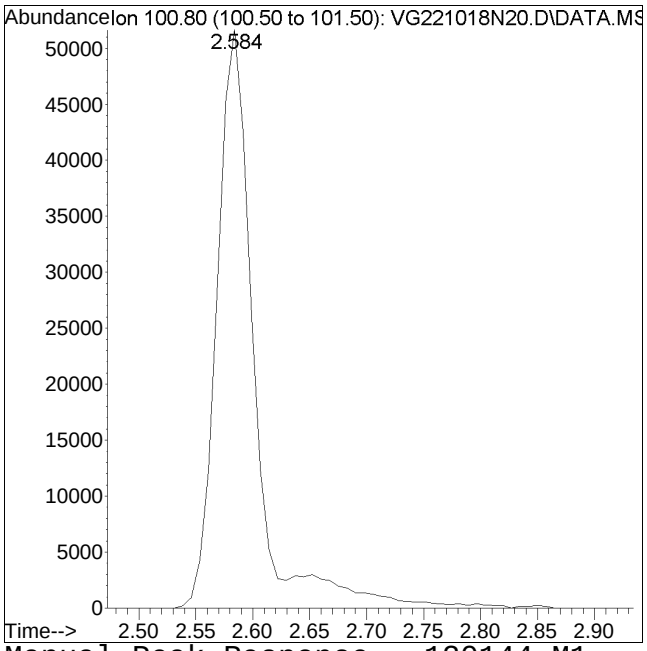
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N20.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 5:46 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 10/19/2022 9:58 am

Compound #7: Trichlorofluoromethane



Original Peak Response = 106728



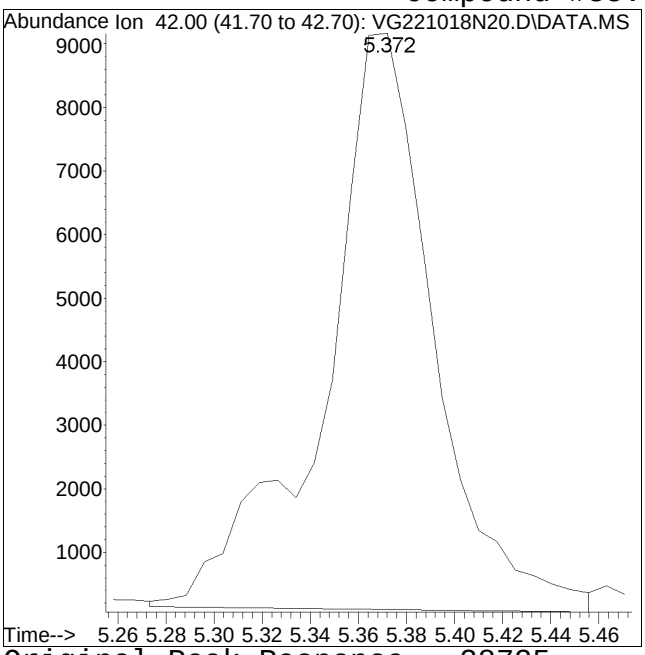
Manual Peak Response = 120144 M1

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

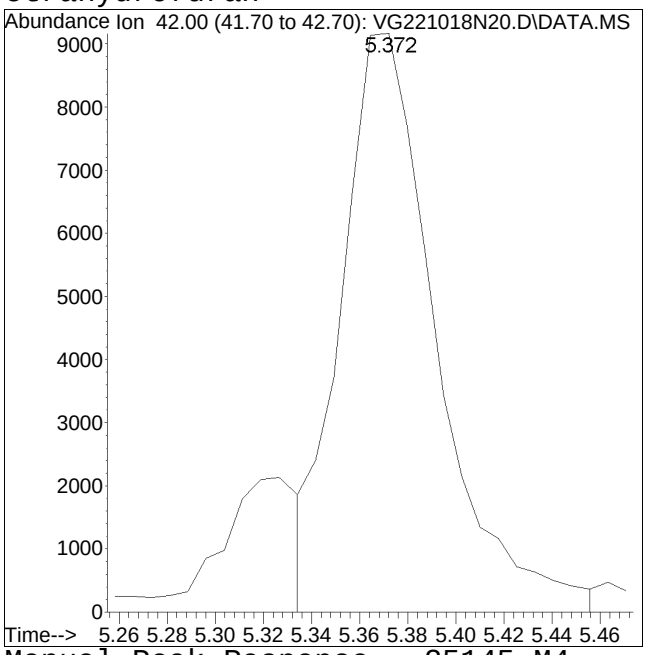
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N20.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 5:46 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 10/19/2022 9:58 am

Compound #35: Tetrahydrofuran



Original Peak Response = 28725



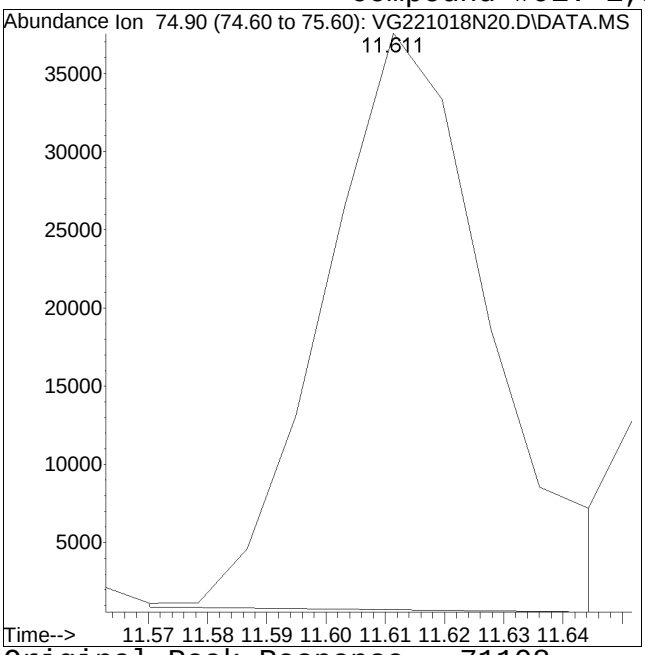
Manual Peak Response = 25145 M4

M4 = Poor automated baseline construction.

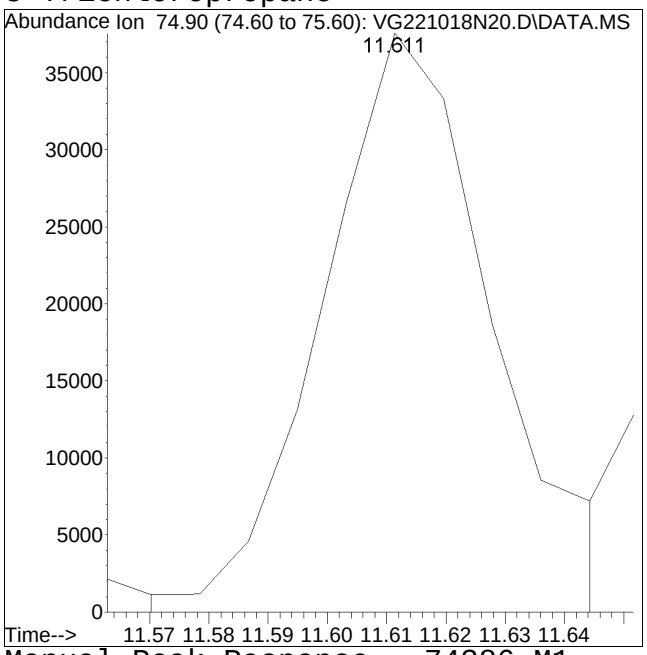
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_221018N_8260.m
Data File : VG221018N20.D Operator : GONZO:MKS
Date Inj'd : 10/19/2022 5:46 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 10/19/2022 9:58 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 71108



Manual Peak Response = 74386 M1

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

Response Factor Report VOA 129

Method Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Method File : V129_221227N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Dec 30 10:37:19 2022
Response Via : Initial Calibration

Calibration Files
0.5 =V29221227N03.D 1 =V29221227N04.D 2 =V29221227N05.D 4 =V29221227N06.D 20 =V29221227N07.D
40 =V29221227N08.D 100 =V29221227N09.D 200 =V29221227N10.D 300 =V29221227N11.D

		Compound	0.5	1	2	4	20	40	100	200	300	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------										
2)	TP	Dichlorodifluo...		0.209	0.193	0.174	0.159	0.152	0.155	0.165	0.168	0.172	11.56
3)	TP	Chloromethane		0.199	0.215	0.216	0.204	0.206	0.203	0.211	0.218	0.209	3.34
4)	TC	Vinyl chloride		0.185	0.228	0.224	0.206	0.209	0.208	0.219	0.225	0.213	6.65
5)	TP	Bromomethane		0.253	0.249	0.228	0.174	0.161	0.158	0.165	0.173	*L	0.9982
6)	TP	Chloroethane		0.136	0.148	0.141	0.128	0.138	0.146	0.151	0.147	0.142	5.53
7)	TP	Trichlorofluor...		0.282	0.335	0.321	0.310	0.311	0.316	0.335	0.348	0.320	6.33
8)	TP	Ethyl ether		0.121	0.102	0.099	0.092	0.094	0.094	0.100	0.103	0.101	9.16
10)	TC	1,1-Dichloroet...		0.164	0.192	0.188	0.183	0.184	0.185	0.194	0.199	0.186	5.58
11)	TP	Carbon disulfide		0.359	0.403	0.383	0.381	0.379	0.378	0.399	0.407	0.386	4.16
12)	TP	Freon-113		0.188	0.209	0.202	0.205	0.201	0.201	0.216	0.222	0.206	5.00
14)	TP	Acrolein					0.008	0.008	0.008	0.009	0.010	0.008#	8.83
15)	TP	Methylene chlo...		0.439	0.311	0.275	0.213	0.214	0.208	0.216	0.220	*L	0.9994
17)	TP	Acetone		0.219	0.154	0.095	0.057	0.063	0.052	0.064	0.058	*Q	0.9947
18)	TP	trans-1,2-Dich...		0.208	0.205	0.224	0.196	0.204	0.204	0.213	0.219	0.209	4.26
19)	TP	Methyl acetate			0.148	0.128	0.126	0.126	0.127	0.135	0.134	0.132	6.07
20)	TP	Methyl tert-bu...		0.452	0.470	0.490	0.471	0.497	0.503	0.524	0.533	0.492	5.62
21)	TP	tert-Butyl alc...		0.039	0.031	0.031	0.026	0.028	0.027	0.029	0.029	0.030	13.18
22)	TP	Diisopropyl ether		0.597	0.600	0.627	0.623	0.643	0.653	0.683	0.700	0.641	5.77
23)	TP	1,1-Dichloroet...		0.298	0.339	0.350	0.337	0.340	0.342	0.358	0.366	0.341	5.97
24)	TP	Halothane		0.154	0.164	0.161	0.165	0.165	0.165	0.175	0.179	0.166	4.52
25)	TP	Acrylonitrile			0.071	0.067	0.058	0.059	0.059	0.063	0.063	0.063	7.97
26)	TP	Ethyl tert-but...		0.595	0.577	0.620	0.614	0.640	0.645	0.680	0.694	0.633	6.32
27)	TP	Vinyl acetate		0.426	0.406	0.415	0.434	0.414	0.460	0.448	0.486	0.436	6.26
28)	TP	cis-1,2-Dichlo...		0.235	0.231	0.242	0.219	0.229	0.223	0.233	0.237	0.231	3.20
29)	TP	2,2-Dichloropr...		0.295	0.322	0.320	0.300	0.309	0.305	0.319	0.328	0.312	3.75
30)	TP	Bromochloromet...		0.113	0.120	0.120	0.115	0.118	0.120	0.123	0.124	0.119	3.08
31)	TP	Cyclohexane		0.289	0.369	0.342	0.343	0.337	0.347	0.366	0.377	0.346	7.90
32)	TC	Chloroform		0.416	0.351	0.356	0.348	0.361	0.364	0.379	0.386	0.370	6.09
33)	TP	Ethyl acetate			0.185	0.209	0.186	0.203	0.202	0.212	0.215	0.202	5.98
34)	TP	Carbon tetrach...		0.268	0.295	0.287	0.290	0.296	0.302	0.320	0.327	0.298	6.24

Response Factor Report VOA 129

Method Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Method File : V129_221227N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Dec 30 10:37:19 2022
Response Via : Initial Calibration

Calibration Files
0.5 =V29221227N03.D 1 =V29221227N04.D 2 =V29221227N05.D 4 =V29221227N06.D 20 =V29221227N07.D
40 =V29221227N08.D 100 =V29221227N09.D 200 =V29221227N10.D 300 =V29221227N11.D

		Compound	0.5	1	2	4	20	40	100	200	300	Avg	%RSD
35)	TP	Tetrahydrofuran		0.072	0.061	0.067	0.069	0.068	0.071	0.073	0.069		5.58
36)	S	Dibromofluorom...	0.264	0.263	0.265	0.266	0.260	0.263	0.267	0.264	0.268	0.264	0.92
37)	TP	1,1,1-Trichlor...	0.276	0.319	0.360	0.320	0.318	0.320	0.321	0.336	0.343	0.324	7.14
39)	TP	2-Butanone		0.096	0.094	0.086	0.096	0.088	0.100	0.097	0.094		5.50
40)	TP	1,1-Dichloropr...	0.273	0.219	0.269	0.263	0.266	0.263	0.266	0.285	0.291	0.266	7.58
41)	TP	Benzene	0.768	0.757	0.778	0.792	0.785	0.800	0.799	0.836	0.847	0.796	3.71
42)	TP	tert-Amyl meth...		0.570	0.551	0.569	0.576	0.605	0.612	0.641	0.655	0.597	6.22
43)	S	1,2-Dichloroet...	0.268	0.274	0.264	0.262	0.259	0.256	0.252	0.258	0.257	0.261	2.63
44)	TP	1,2-Dichloroet...		0.255	0.251	0.261	0.255	0.260	0.265	0.276	0.281	0.263	3.98
47)	TP	Methyl cyclohe...		0.297	0.386	0.361	0.382	0.369	0.376	0.399	0.409	0.372	9.21
48)	TP	Trichloroethene	0.231	0.237	0.215	0.213	0.217	0.225	0.222	0.238	0.239	0.226	4.53
50)	TP	Dibromomethane		0.128	0.128	0.133	0.128	0.133	0.136	0.141	0.143	0.134	4.31
51)	TC	1,2-Dichloropr...		0.191	0.204	0.216	0.209	0.212	0.215	0.225	0.230	0.213	5.61
53)	TP	2-Chloroethyl ...		0.114	0.121	0.131	0.127	0.131	0.134	0.141	0.144	0.130	7.38
54)	TP	Bromodichlorom...	0.236	0.269	0.280	0.273	0.283	0.295	0.300	0.313	0.320	0.285#	8.90
57)	TP	1,4-Dioxane		0.002	0.002	0.003	0.002	0.002	0.002	0.003	0.003	0.002#	4.72
58)	TP	cis-1,3-Dichlo...	0.319	0.317	0.321	0.346	0.343	0.357	0.360	0.376	0.381	0.347	6.97
59)	I	Chlorobenzene-d5	----------ISTD----------										
60)	S	Toluene-d8	1.248	1.234	1.257	1.246	1.248	1.246	1.259	1.251	1.250	1.249	0.57
61)	TC	Toluene		0.597	0.663	0.663	0.640	0.650	0.658	0.686	0.699	0.657	4.65
62)	TP	4-Methyl-2-pen...		0.117	0.104	0.112	0.092	0.097	0.100	0.103	0.105	0.104	7.51
63)	TP	Tetrachloroethene	0.293	0.281	0.326	0.316	0.323	0.321	0.322	0.340	0.344	0.318	6.34
65)	TP	trans-1,3-Dich...		0.323	0.369	0.382	0.389	0.403	0.414	0.429	0.440	0.394	9.42
67)	TP	Ethyl methacry...		0.286	0.306	0.311	0.316	0.326	0.336	0.349	0.356	0.323	7.21
68)	TP	1,1,2-Trichlor...		0.146	0.189	0.201	0.187	0.194	0.195	0.203	0.208	0.190#	10.15
69)	TP	Chlorodibromom...	0.274	0.272	0.289	0.305	0.299	0.310	0.321	0.334	0.337	0.305	7.75
70)	TP	1,3-Dichloropr...		0.340	0.362	0.373	0.373	0.386	0.393	0.408	0.413	0.381	6.37
71)	TP	1,2-Dibromoethane	0.248	0.242	0.234	0.243	0.239	0.249	0.252	0.264	0.267	0.249	4.42
72)	TP	2-Hexanone		0.206	0.165	0.169	0.167	0.185	0.184	0.198	0.199	0.184	8.63
73)	TP	Chlorobenzene	0.771	0.694	0.770	0.760	0.751	0.761	0.773	0.795	0.799	0.764	4.01
74)	TC	Ethylbenzene		1.104	1.247	1.241	1.238	1.226	1.246	1.289	1.284	1.234	4.64

Response Factor Report VOA 129

Method Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Method File : V129_221227N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Dec 30 10:37:19 2022
Response Via : Initial Calibration

Calibration Files
0.5 =V29221227N03.D 1 =V29221227N04.D 2 =V29221227N05.D 4 =V29221227N06.D 20 =V29221227N07.D
40 =V29221227N08.D 100 =V29221227N09.D 200 =V29221227N10.D 300 =V29221227N11.D

		Compound	0.5	1	2	4	20	40	100	200	300	Avg	%RSD
75)	TP	1,1,1,2-Tetrac...	0.260	0.244	0.269	0.281	0.288	0.297	0.305	0.313	0.319	0.286	8.84
76)	TP	p/m Xylene	0.479	0.443	0.512	0.519	0.504	0.504	0.507	0.521	0.518	0.501	4.98
77)	TP	o Xylene	0.436	0.449	0.481	0.476	0.475	0.473	0.480	0.495	0.493	0.473	4.05
78)	TP	Styrene	0.749	0.720	0.779	0.777	0.779	0.781	0.797	0.802	0.760	0.772	3.30
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------										
80)	TP	Bromoform		0.333	0.350	0.380	0.396	0.404	0.413	0.433	0.435	0.393	9.39
82)	TP	Isopropylbenzene		2.011	2.276	2.215	2.338	2.237	2.299	2.397	2.333	2.263	5.18
83)	S	4-Bromofluorob...	0.830	0.830	0.837	0.817	0.822	0.821	0.817	0.829	0.820	0.825	0.86
84)	TP	Bromobenzene		0.580	0.655	0.633	0.646	0.640	0.651	0.673	0.674	0.644	4.61
85)	TP	n-Propylbenzene		2.280	2.717	2.606	2.711	2.632	2.721	2.785	2.652	2.638	5.90
86)	TP	1,4-Dichlorobu...		0.656	0.606	0.631	0.641	0.639	0.672	0.717	0.722	0.661	6.21
87)	TP	1,1,2,2-Tetrac...	0.536	0.520	0.543	0.525	0.552	0.541	0.582	0.604	0.612	0.557	6.06
88)	TP	4-Ethyltoluene		1.992	2.182	2.188	2.306	2.228	2.294	2.375	2.299	2.233	5.27
89)	TP	2-Chlorotoluene		1.449	1.601	1.496	1.546	1.499	1.546	1.617	1.634	1.549	4.22
90)	TP	1,3,5-Trimethy...		1.734	1.938	1.904	1.996	1.948	2.007	2.082	2.020	1.954	5.35
91)	TP	1,2,3-Trichlor...		0.372	0.405	0.409	0.420	0.431	0.448	0.472	0.476	0.429	8.16
92)	TP	trans-1,4-Dich...		0.157	0.147	0.163	0.151	0.148	0.160	0.173	0.177	0.159	6.99
93)	TP	4-Chlorotoluene		1.436	1.674	1.567	1.649	1.624	1.671	1.740	1.709	1.634	5.84
94)	TP	tert-Butylbenzene		1.537	1.731	1.706	1.760	1.718	1.783	1.838	1.790	1.733	5.20
97)	TP	1,2,4-Trimethy...		1.706	1.851	1.847	1.949	1.924	2.004	2.068	2.001	1.919	5.98
98)	TP	sec-Butylbenzene		2.171	2.522	2.450	2.579	2.479	2.558	2.642	2.524	2.491	5.71
99)	TP	p-Isopropyltol...		1.881	2.168	2.105	2.300	2.205	2.282	2.346	2.244	2.191	6.70
100)	TP	1,3-Dichlorobe...		1.043	1.156	1.191	1.224	1.195	1.227	1.261	1.236	1.192	5.73
101)	TP	1,4-Dichlorobe...		1.180	1.210	1.198	1.228	1.204	1.238	1.279	1.241	1.222	2.53
102)	TP	p-Diethylbenzene		1.157	1.290	1.237	1.362	1.317	1.378	1.437	1.398	1.322	6.98
103)	TP	n-Butylbenzene		1.529	1.760	1.765	1.931	1.883	1.939	2.035	1.951	1.849	8.64
104)	TP	1,2-Dichlorobe...		1.027	1.110	1.107	1.159	1.135	1.175	1.209	1.187	1.138	5.08
105)	TP	1,2,4,5-Tetram...		1.750	1.856	1.907	2.028	2.056	2.133	2.199	2.135	2.008	7.77
106)	TP	1,2-Dibromo-3-...		0.112	0.110	0.115	0.115	0.118	0.122	0.128	0.127	0.118	5.67
107)	TP	1,3,5-Trichlor...		0.827	0.914	0.927	0.959	0.950	0.969	0.999	0.976	0.940	5.66
108)	TP	Hexachlorobuta...		0.435	0.527	0.473	0.517	0.506	0.517	0.525	0.515	0.502	6.34

Method Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Method File : V129_221227N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Dec 30 10:37:19 2022
Response Via : Initial Calibration

Calibration Files
0.5 =V29221227N03.D 1 =V29221227N04.D 2 =V29221227N05.D 4 =V29221227N06.D 20 =V29221227N07.D
40 =V29221227N08.D 100 =V29221227N09.D 200 =V29221227N10.D 300 =V29221227N11.D

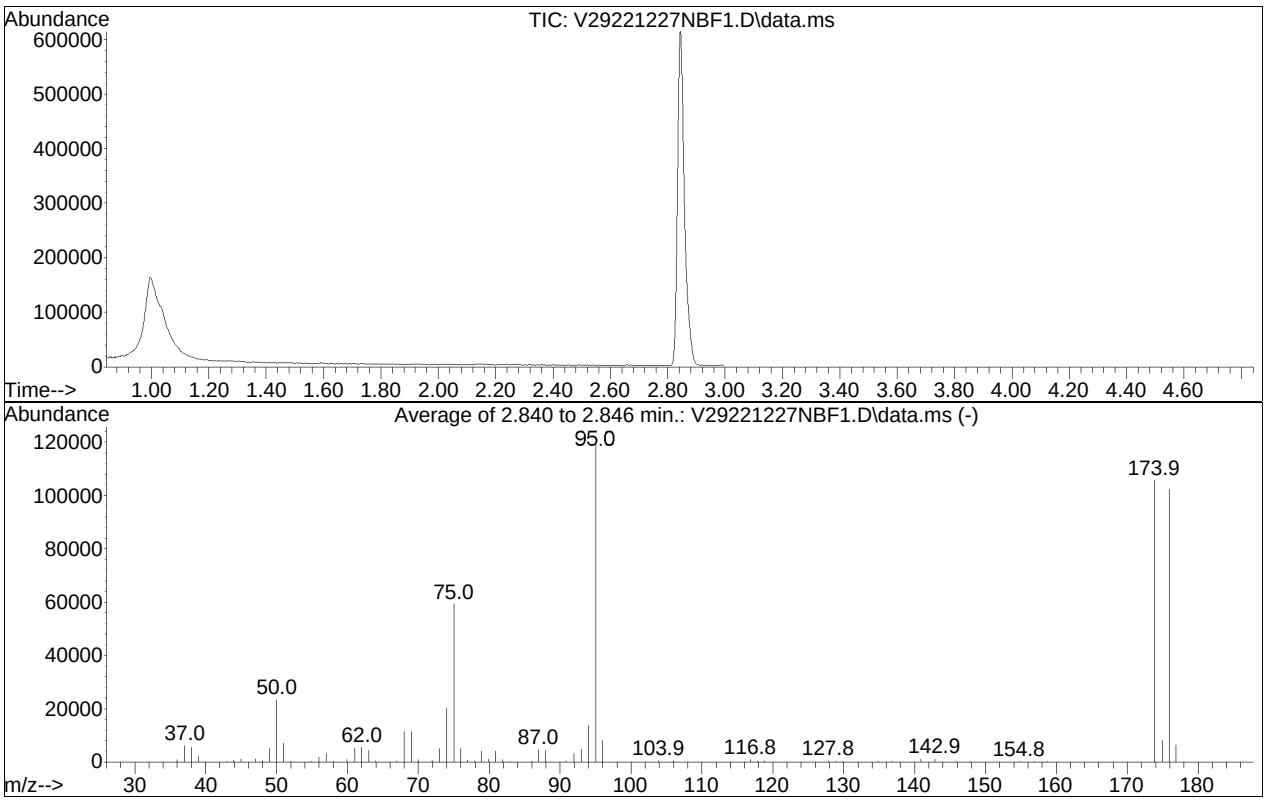
	Compound	0.5	1	2	4	20	40	100	200	300	Avg	%RSD
109) TP	1,2,4-Trichlor...	0.781	0.818	0.832	0.887	0.882	0.900	0.922	0.909	0.866		5.80
110) TP	Naphthalene	1.935	1.928	1.901	1.948	1.969	2.033	2.090	2.044	1.981		3.37
111) TP	1,2,3-Trichlor...	0.777	0.784	0.784	0.824	0.828	0.845	0.865	0.869	0.822		4.48

(#) = Out of Range

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227NBF1.D
Acq On : 27 Dec 2022 10:11 pm
Operator : VOA129:NLK
Sample : WG1728525-1
Misc : WG1728525
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Dec 29 13:02:33 2022



AutoFind: Scans 808, 809, 810; Background Corrected with Scan 795

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.6	23539	PASS
75	95	30	60	49.6	59419	PASS
95	95	100	100	100.0	119840	PASS
96	95	5	9	6.7	8069	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	88.3	105875	PASS
175	174	5	9	7.6	8054	PASS
176	174	95	101	96.7	102352	PASS
177	176	5	9	6.5	6619	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N03.D
Acq On : 27 Dec 2022 11:14 pm
Operator : VOA129:NLK
Sample : I8260STD0.5PPB
Misc : WG1728525,ICAL19353
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 28 15:09:35 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-L0_OH - Level 0.5ppb for Soils OH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.899	96	466479	20.000	ug/L	0.00
Standard Area 1 = 471521			Recovery = 98.93%			
59) Chlorobenzene-d5	8.740	117	374714	20.000	ug/L	0.00
Standard Area 1 = 381092			Recovery = 98.33%			
79) 1,4-Dichlorobenzene-d4	10.198	152	213004	20.000	ug/L	0.00
Standard Area 1 = 213135			Recovery = 99.94%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.971	113	123275	20.102	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.51%			
43) 1,2-Dichloroethane-d4	5.563	65	125240	21.012	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.06%			
60) Toluene-d8	7.534	98	467630	20.035	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.18%			
83) 4-Bromofluorobenzene	9.532	95	176838	20.214	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.07%			
Target Compounds						Qvalue
37) 1,1,1-Trichloroethane	4.965	97	3213	0.431	ug/L	86
40) 1,1-Dichloropropene	5.128	75	3185	0.519	ug/L #	78
41) Benzene	5.411	78	8953	0.480	ug/L	91
48) Trichloroethene	6.093	95	2694M4	0.513	ug/L	
54) Bromodichloromethane	6.722	83	2749	0.400	ug/L #	62
58) cis-1,3-Dichloropropene	7.367	75	3720	0.446	ug/L #	89
63) Tetrachloroethene	7.912	166	2743	0.457	ug/L	91
69) Chlorodibromomethane	8.211	129	2563	0.442	ug/L	92
71) 1,2-Dibromoethane	8.363	107	2320	0.498	ug/L	93
73) Chlorobenzene	8.751	112	7226	0.507	ug/L #	71
75) 1,1,1,2-Tetrachloroethane	8.808	131	2431	0.437	ug/L #	67
76) p/m Xylene	8.887	106	8970	0.950	ug/L	99
77) o Xylene	9.165	106	8178	0.923	ug/L	94
78) Styrene	9.202	104	14031	0.958	ug/L	93
87) 1,1,2,2-Tetrachloroethane	9.668	83	2855	0.496	ug/L #	76

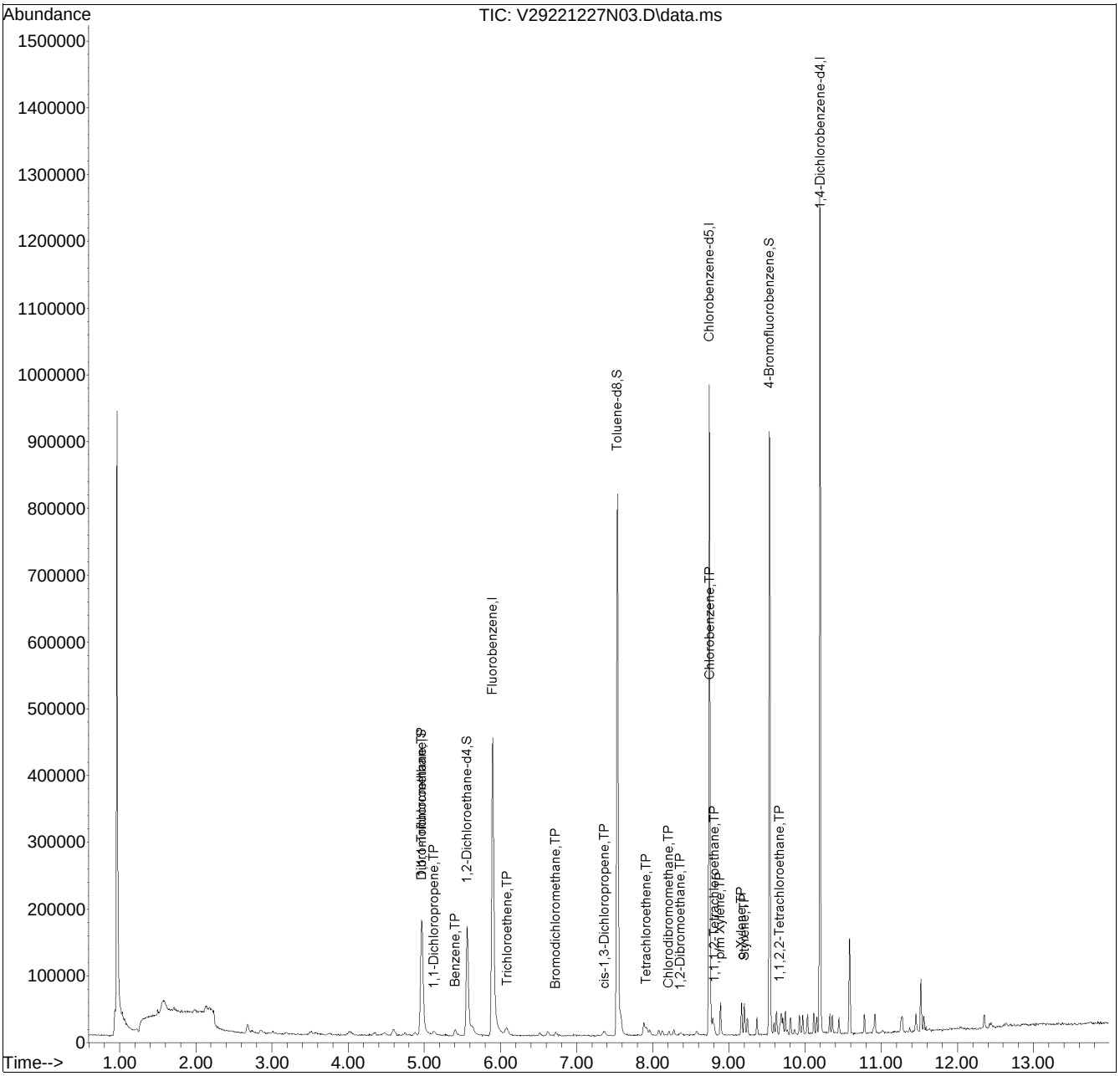
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N03.D
Acq On : 27 Dec 2022 11:14 pm
Operator : VOA129:NLK
Sample : I8260STD0.5PPB
Misc : WG1728525,ICAL19353
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 28 15:09:35 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

Sub List : 8260-L0_OH - Level 0.5ppb for Soils OHAL\V29221227N08.D•

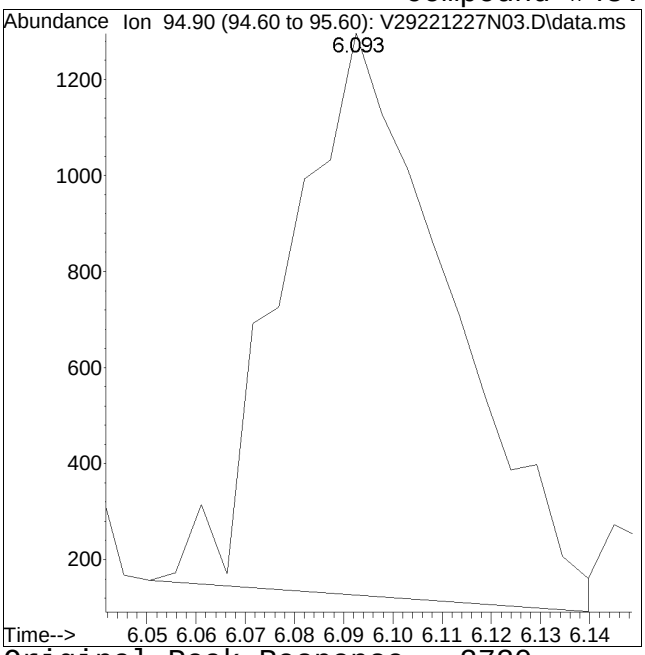


Manual Integration Report

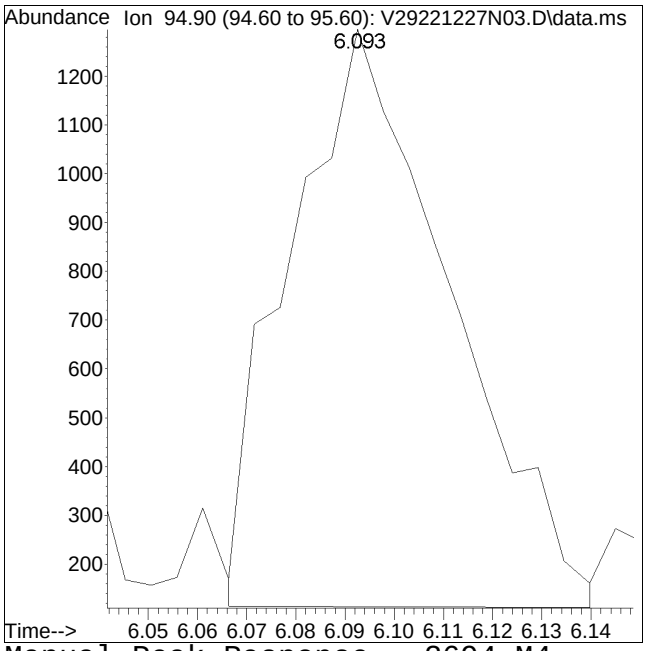
Data Path : I:\VOLATILES\VOA129\2022\2Q
Data File : V29221227N03.D
Date Inj'd : 12/27/2022 11:14 pm
Sample : I8260STD0.5PPB

Method : V129_221227N_8260.m
Operator : VOA129:NLK
Instrument : VOA 129
Quant Date : 12/28/2022 3:07 pm

Compound #48: Trichloroethene



Original Peak Response = 2730



Manual Peak Response = 2694 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N04.D
Acq On : 27 Dec 2022 11:35 pm
Operator : VOA129:NLK
Sample : I8260STD1.0PPB
Misc : WG1728525,ICAL19353
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 28 15:10:58 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.898	96	454319	20.000	ug/L	0.00
Standard Area 1 = 471521			Recovery = 96.35%			
59) Chlorobenzene-d5	8.740	117	371890	20.000	ug/L	0.00
Standard Area 1 = 381092			Recovery = 97.59%			
79) 1,4-Dichlorobenzene-d4	10.198	152	211546	20.000	ug/L	0.00
Standard Area 1 = 213135			Recovery = 99.25%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.965	113	119501	20.008	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.04%			
43) 1,2-Dichloroethane-d4	5.563	65	124611	21.466	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 107.33%			
60) Toluene-d8	7.534	98	458803	19.806	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.03%			
83) 4-Bromofluorobenzene	9.532	95	175615	20.213	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.07%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.069	85	4758	1.376	ug/L	88
3) Chloromethane	1.216	50	4512	0.966	ug/L	93
4) Vinyl chloride	1.269	62	4206	0.886	ug/L	74
5) Bromomethane	1.499	94	5748	1.570	ug/L	80
6) Chloroethane	1.599	64	3082	0.982	ug/L	81
7) Trichlorofluoromethane	1.714	101	6410	0.904	ug/L	90
8) Ethyl ether	1.982	74	2755	1.287	ug/L #	52
10) 1,1-Dichloroethene	2.128	96	3733	0.892	ug/L	78
11) Carbon disulfide	2.134	76	8150	0.945	ug/L #	64
12) Freon-113	2.176	101	4271	0.934	ug/L	83
14) Acrolein	0.000		0	N.D.	d	
15) Methylene chloride	2.679	84	9970	2.053	ug/L #	57
17) Acetone	2.742	43	4980M3	3.502	ug/L	
18) trans-1,2-Dichloroethene	2.852	96	4716M4	1.016	ug/L	
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	3.020	73	10275	0.910	ug/L #	70
21) tert-Butyl alcohol	3.182	59	4403	6.954	ug/L #	81
22) Diisopropyl ether	3.507	45	13557	0.928	ug/L #	91
23) 1,1-Dichloroethane	3.581	63	6759	0.876	ug/L	90
24) Halothane	3.754	117	3509	0.933	ug/L #	77
25) Acrylonitrile	3.633	53	2213	1.656	ug/L #	64

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N04.D
Acq On : 27 Dec 2022 11:35 pm
Operator : VOA129:NLK
Sample : I8260STD1.0PPB
Misc : WG1728525,ICAL19353
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 28 15:10:58 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.021	59	13525	0.928	ug/L		88
27) Vinyl acetate	4.000	43	9673	1.025	ug/L		99
28) cis-1,2-Dichloroethene	4.346	96	5336	1.026	ug/L	#	60
29) 2,2-Dichloropropane	4.488	77	6696	0.954	ug/L	#	79
30) Bromochloromethane	4.593	128	2565	0.959	ug/L	#	55
31) Cyclohexane	4.603	56	6566M1	0.856	ug/L		
32) Chloroform	4.745	83	9450	1.152	ug/L	#	88
33) Ethyl acetate	0.000		0	N.D.	d		
34) Carbon tetrachloride	4.871	117	6088	0.904	ug/L	#	86
35) Tetrahydrofuran	0.000		0	N.D.	d		
37) 1,1,1-Trichloroethane	4.960	97	7257	0.999	ug/L		89
39) 2-Butanone	0.000		0	N.D.	d		
40) 1,1-Dichloropropene	5.122	75	4980	0.833	ug/L	#	70
41) Benzene	5.405	78	17207	0.947	ug/L		89
42) tert-Amyl methyl ether	5.626	73	12949	0.942	ug/L	#	85
44) 1,2-Dichloroethane	5.641	62	5790	0.982	ug/L		91
47) Methyl cyclohexane	6.077	83	6736	0.804	ug/L		80
48) Trichloroethene	6.098	95	5381	1.053	ug/L		93
50) Dibromomethane	6.512	93	2900	0.961	ug/L	#	81
51) 1,2-Dichloropropane	6.622	63	4344	0.901	ug/L		92
53) 2-Chloroethyl vinyl ether	7.340	63	2595	0.873	ug/L		91
54) Bromodichloromethane	6.732	83	6103	0.911	ug/L		99
57) 1,4-Dioxane	6.952	88	2050	36.493	ug/L	#	91
58) cis-1,3-Dichloropropene	7.366	75	7198	0.887	ug/L	#	91
61) Toluene	7.581	92	11108	0.919	ug/L		98
62) 4-Methyl-2-pentanone	7.933	58	2173	1.203	ug/L	#	70
63) Tetrachloroethene	7.912	166	5225	0.876	ug/L		87
65) trans-1,3-Dichloropropene	7.959	75	6007	0.802	ug/L		90
67) Ethyl methacrylate	8.121	69	5326	0.879	ug/L		96
68) 1,1,2-Trichloroethane	8.085	83	2712	0.750	ug/L	#	67
69) Chlorodibromomethane	8.210	129	5063	0.879	ug/L		92
70) 1,3-Dichloropropane	8.279	76	6320	0.880	ug/L		92
71) 1,2-Dibromoethane	8.363	107	4498	0.973	ug/L		93
72) 2-Hexanone	8.572	43	3831	1.112	ug/L	#	91
73) Chlorobenzene	8.756	112	12901	0.911	ug/L		88
74) Ethylbenzene	8.787	91	20524	0.900	ug/L		91
75) 1,1,1,2-Tetrachloroethane	8.808	131	4539	0.823	ug/L	#	69
76) p/m Xylene	8.887	106	16489	1.759	ug/L		99
77) o Xylene	9.165	106	16683	1.898	ug/L		85
78) Styrene	9.201	104	26761	1.842	ug/L		86

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N04.D
Acq On : 27 Dec 2022 11:35 pm
Operator : VOA129:NLK
Sample : I8260STD1.0PPB
Misc : WG1728525,ICAL19353
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 28 15:10:58 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	9.207	173	3523	0.824	ug/L		100
82) Isopropylbenzene	9.369	105	21273	0.899	ug/L		96
84) Bromobenzene	9.595	156	6134	0.906	ug/L		97
85) n-Propylbenzene	9.621	91	24118	0.866	ug/L		92
86) 1,4-Dichlorobutane	9.626	55	6943	1.027	ug/L		94
87) 1,1,2,2-Tetrachloroethane	9.663	83	5502	0.962	ug/L		96
88) 4-Ethyltoluene	9.689	105	21065	0.894	ug/L		91
89) 2-Chlorotoluene	9.710	91	15329M6	0.967	ug/L		
90) 1,3,5-Trimethylbenzene	9.742	105	18341	0.890	ug/L		95
91) 1,2,3-Trichloropropane	9.736	75	3939	0.864	ug/L		91
92) trans-1,4-Dichloro-2-b...	9.768	53	1657	1.057	ug/L	#	73
93) 4-Chlorotoluene	9.810	91	15190	0.884	ug/L	#	84
94) tert-Butylbenzene	9.925	119	16260	0.895	ug/L		94
97) 1,2,4-Trimethylbenzene	9.967	105	18048	0.887	ug/L		97
98) sec-Butylbenzene	10.030	105	22960	0.876	ug/L		95
99) p-Isopropyltoluene	10.114	119	19896	0.853	ug/L		97
100) 1,3-Dichlorobenzene	10.156	146	11029	0.872	ug/L		96
101) 1,4-Dichlorobenzene	10.203	146	12482	0.980	ug/L	#	87
102) p-Diethylbenzene	10.323	119	12233	0.878	ug/L		91
103) n-Butylbenzene	10.355	91	16170	0.812	ug/L		94
104) 1,2-Dichlorobenzene	10.444	146	10861	0.904	ug/L		96
105) 1,2,4,5-Tetramethylben...	10.780	119	18512	0.851	ug/L		97
106) 1,2-Dibromo-3-chloropr...	10.895	155	1181	0.944	ug/L		99
107) 1,3,5-Trichlorobenzene	10.916	180	8743	0.870	ug/L		93
108) Hexachlorobutadiene	11.262	225	4606	0.860	ug/L		96
109) 1,2,4-Trichlorobenzene	11.278	180	8259	0.885	ug/L		97
110) Naphthalene	11.456	128	20462	0.982	ug/L		100
111) 1,2,3-Trichlorobenzene	11.561	180	8219	0.939	ug/L		94

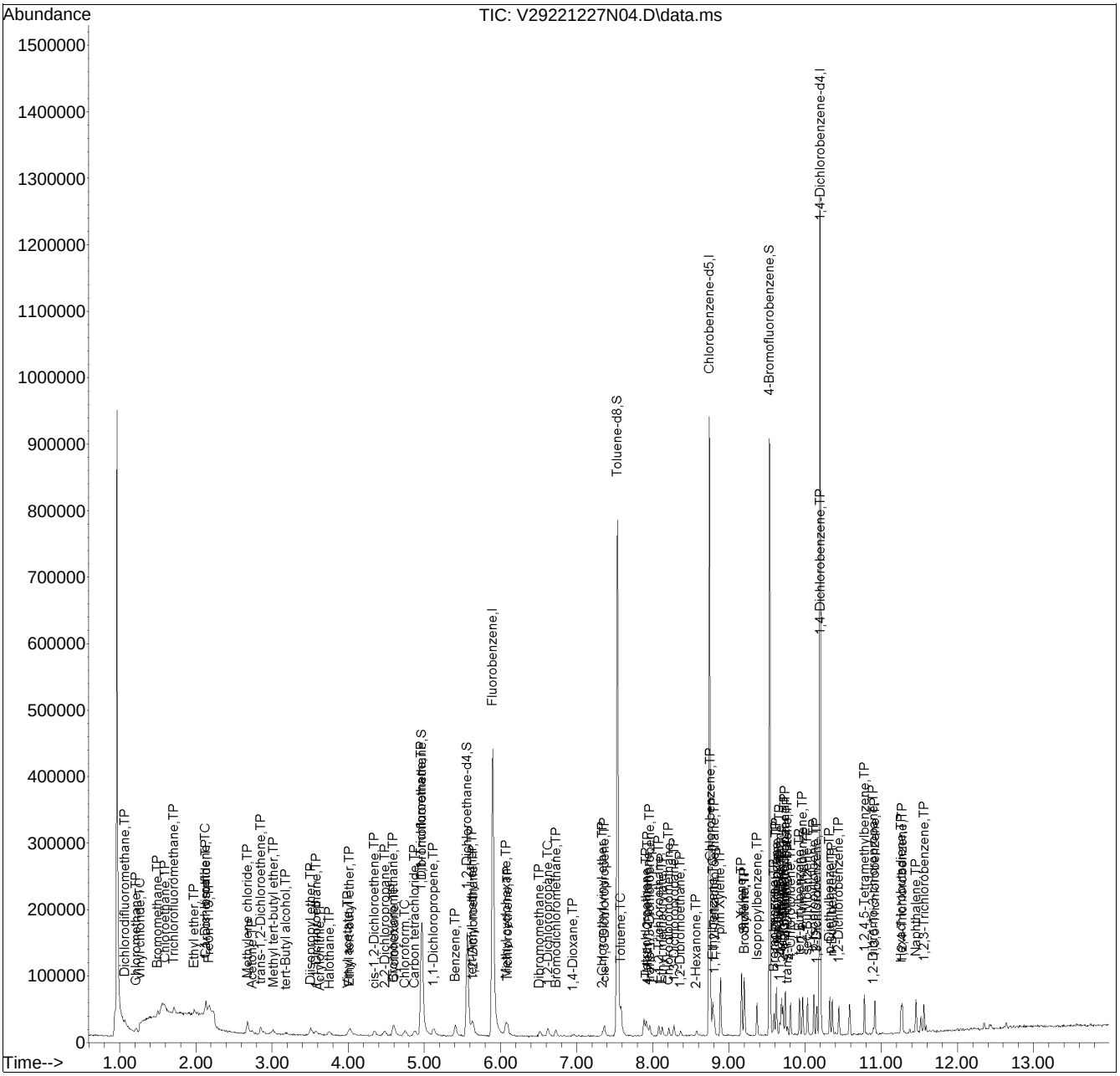
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N04.D
Acq On : 27 Dec 2022 11:35 pm
Operator : VOA129:NLK
Sample : I8260STD1.0PPB
Misc : WG1728525,ICAL19353
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 28 15:10:58 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

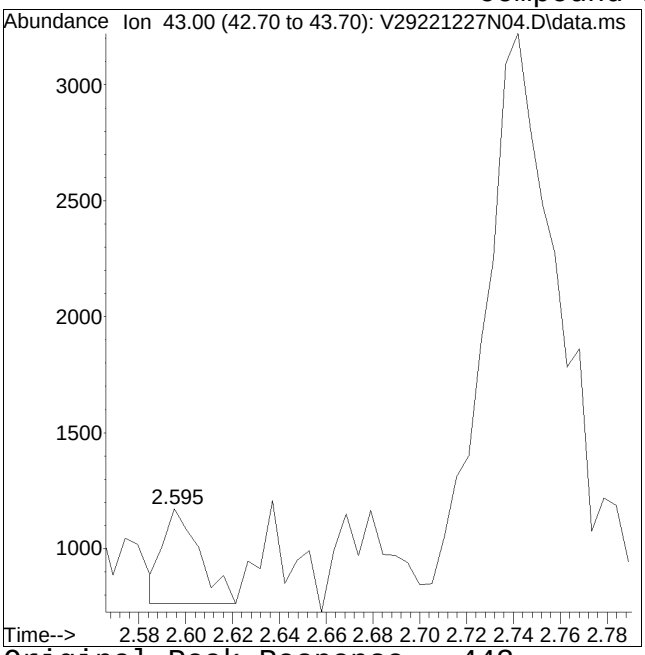
Sub List : 8260-CurveSoil - Megamix plus Diox7NICAL\V29221227N08.D•

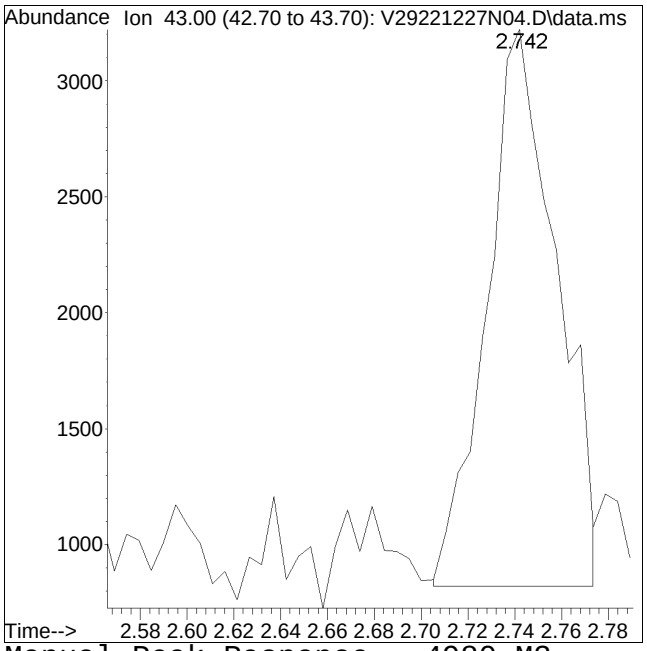


Manual Integration Report

Data Path : I:\VOLATILES\VOA129\2022\2QMethod : V129_221227N_8260.m
Data File : V29221227N04.D Operator : VOA129:NLK
Date Inj'd : 12/27/2022 11:35 pm Instrument : VOA 129
Sample : I8260STD1.0PPB Quant Date : 12/28/2022 3:07 pm

Compound #17: Acetone





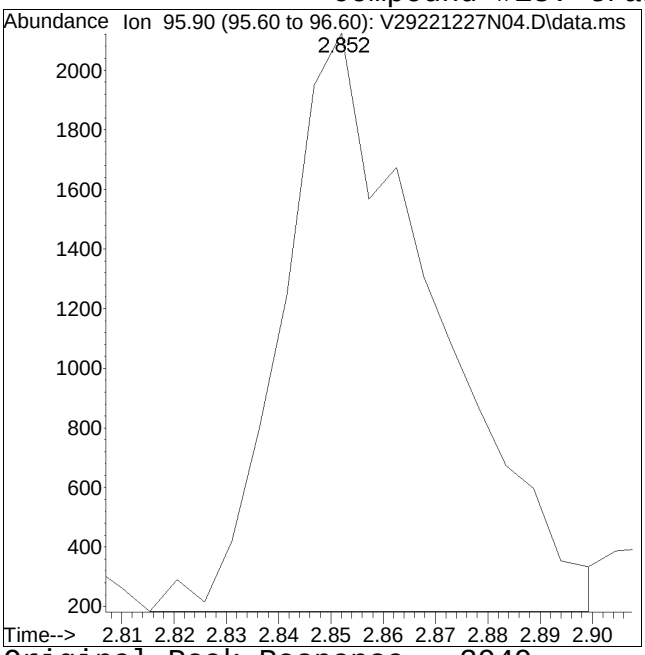
Original Peak Response = 443 Manual Peak Response = 4980 M3

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.

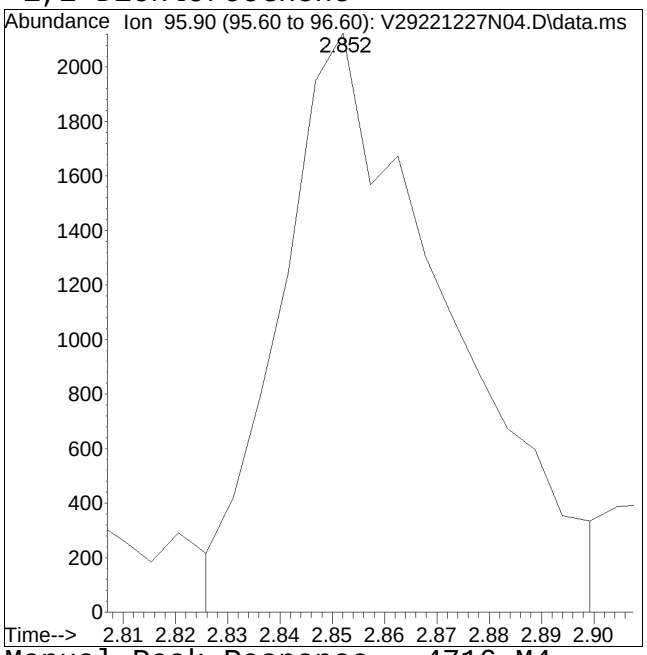
Manual Integration Report

Data Path : I:\VOLATILES\VOA129\2022\2QMethod : V129_221227N_8260.m
Data File : V29221227N04.D Operator : VOA129:NLK
Date Inj'd : 12/27/2022 11:35 pm Instrument : VOA 129
Sample : I8260STD1.0PPB Quant Date : 12/28/2022 3:07 pm

Compound #18: trans-1,2-Dichloroethene



Original Peak Response = 3949



Manual Peak Response = 4716 M4

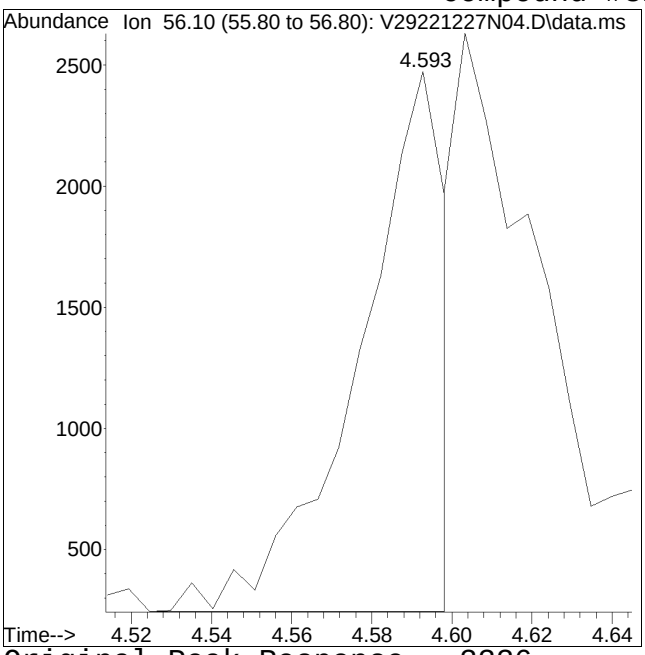
M4 = Poor automated baseline construction.

Manual Integration Report

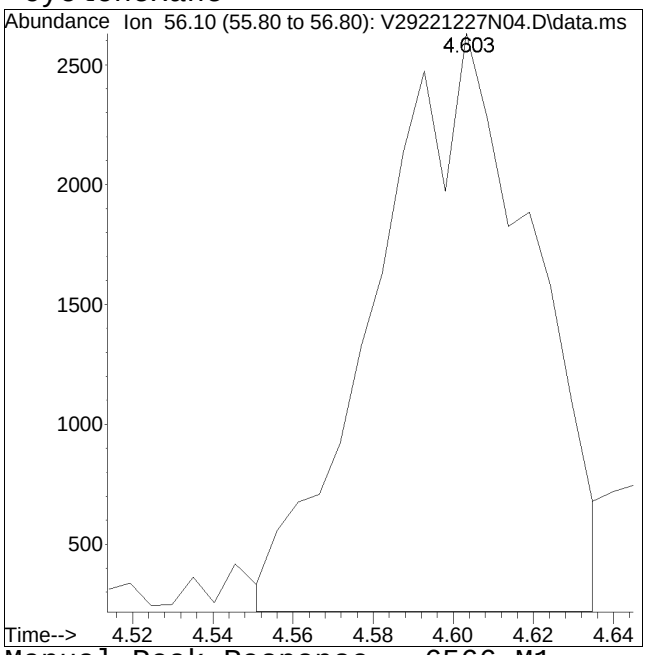
Data Path : I:\VOLATILES\VOA129\2022\2Q
Data File : V29221227N04.D
Date Inj'd : 12/27/2022 11:35 pm
Sample : I8260STD1.0PPB

Method : V129_221227N_8260.m
Operator : VOA129:NLK
Instrument : VOA 129
Quant Date : 12/28/2022 3:07 pm

Compound #31: Cyclohexane



Original Peak Response = 3336



Manual Peak Response = 6566 M1

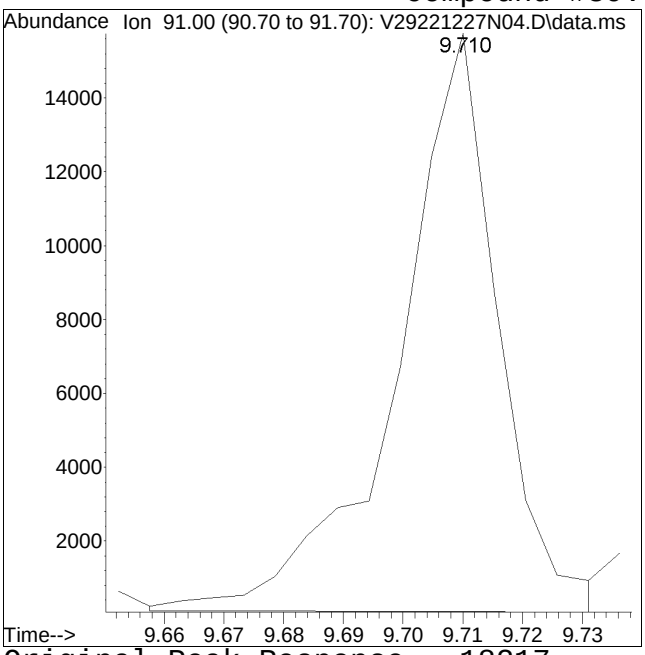
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

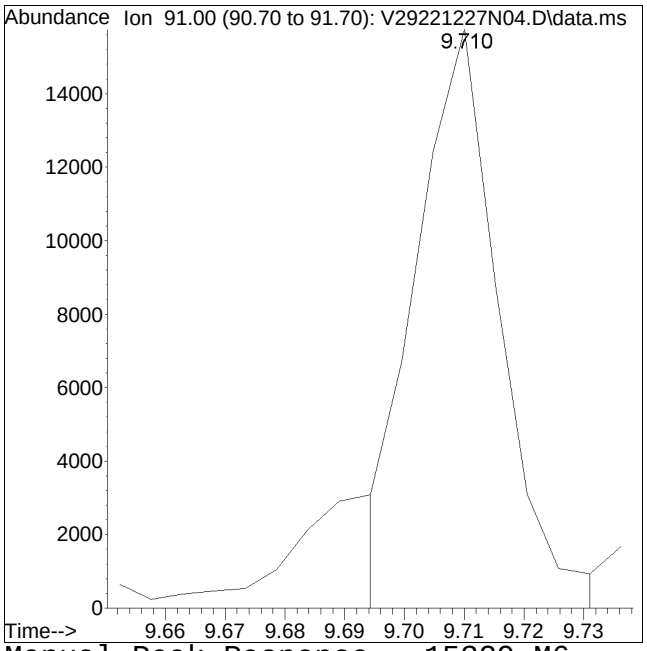
Data Path : I:\VOLATILES\VOA129\2022\2Q
Data File : V29221227N04.D
Date Inj'd : 12/27/2022 11:35 pm
Sample : I8260STD1.0PPB

Method : V129_221227N_8260.m
Operator : VOA129:NLK
Instrument : VOA 129
Quant Date : 12/28/2022 3:07 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 18217



Manual Peak Response = 15329 M6

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N05.D
Acq On : 27 Dec 2022 11:56 pm
Operator : VOA129:NLK
Sample : I8260STD2.0PPB
Misc : WG1728525,ICAL19353
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 28 15:12:09 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.898	96	460123	20.000 ug/L	0.00
Standard Area 1 = 471521			Recovery = 97.58%		
59) Chlorobenzene-d5	8.740	117	368386	20.000 ug/L	0.00
Standard Area 1 = 381092			Recovery = 96.67%		
79) 1,4-Dichlorobenzene-d4	10.193	152	207907	20.000 ug/L	0.00
Standard Area 1 = 213135			Recovery = 97.55%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.965	113	122050	20.177 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.89%		
43) 1,2-Dichloroethane-d4	5.563	65	121377	20.645 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.22%		
60) Toluene-d8	7.534	98	462908	20.174 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.87%		
83) 4-Bromofluorobenzene	9.532	95	174008	20.378 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.89%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.069	85	8887	2.538 ug/L	94
3) Chloromethane	1.216	50	9912	2.094 ug/L	96
4) Vinyl chloride	1.269	62	10489	2.181 ug/L	97
5) Bromomethane	1.499	94	11448	3.087 ug/L	92
6) Chloroethane	1.599	64	6799	2.140 ug/L	83
7) Trichlorofluoromethane	1.709	101	15392	2.143 ug/L	93
8) Ethyl ether	1.977	74	4688	2.162 ug/L	68
10) 1,1-Dichloroethene	2.129	96	8813	2.078 ug/L #	74
11) Carbon disulfide	2.134	76	18549	2.124 ug/L #	91
12) Freon-113	2.181	101	9601	2.073 ug/L	92
14) Acrolein	0.000		0	N.D. d	
15) Methylene chloride	2.674	84	14320	2.912 ug/L #	66
17) Acetone	2.742	43	7088M3	4.921 ug/L	
18) trans-1,2-Dichloroethene	2.852	96	9442	2.009 ug/L	69
19) Methyl acetate	2.899	43	6821	2.345 ug/L #	89
20) Methyl tert-butyl ether	3.015	73	21620	1.891 ug/L	88
21) tert-Butyl alcohol	3.188	59	7022	10.951 ug/L #	92
22) Diisopropyl ether	3.513	45	27613	1.866 ug/L #	93
23) 1,1-Dichloroethane	3.576	63	15613	1.997 ug/L	96
24) Halothane	3.759	117	7562	1.986 ug/L #	53
25) Acrylonitrile	3.639	53	3287	2.429 ug/L	95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N05.D
Acq On : 27 Dec 2022 11:56 pm
Operator : VOA129:NLK
Sample : I8260STD2.0PPB
Misc : WG1728525,ICAL19353
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 28 15:12:09 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.021	59	26565	1.800	ug/L		89
27) Vinyl acetate	4.006	43	18665	1.953	ug/L	#	96
28) cis-1,2-Dichloroethene	4.352	96	10620	2.016	ug/L	#	63
29) 2,2-Dichloropropane	4.483	77	14829	2.087	ug/L		91
30) Bromochloromethane	4.603	128	5504	2.033	ug/L	#	48
31) Cyclohexane	4.593	56	16983	2.187	ug/L	#	65
32) Chloroform	4.745	83	16156	1.944	ug/L		95
33) Ethyl acetate	4.970	43	8493	1.822	ug/L	#	71
34) Carbon tetrachloride	4.876	117	13562	1.989	ug/L		98
35) Tetrahydrofuran	4.944	42	3306	2.094	ug/L		99
37) 1,1,1-Trichloroethane	4.965	97	16580	2.253	ug/L	#	89
39) 2-Butanone	5.143	43	4438	2.020	ug/L	#	42
40) 1,1-Dichloropropene	5.117	75	12389	2.045	ug/L		91
41) Benzene	5.406	78	35810	1.945	ug/L		91
42) tert-Amyl methyl ether	5.626	73	25367	1.821	ug/L		88
44) 1,2-Dichloroethane	5.641	62	11570	1.937	ug/L		90
47) Methyl cyclohexane	6.071	83	17755	2.092	ug/L	#	71
48) Trichloroethene	6.092	95	9908	1.914	ug/L	#	88
50) Dibromomethane	6.517	93	5880	1.923	ug/L	#	84
51) 1,2-Dichloropropane	6.622	63	9390	1.923	ug/L		95
53) 2-Chloroethyl vinyl ether	7.340	63	5583	1.855	ug/L		90
54) Bromodichloromethane	6.727	83	12890	1.900	ug/L		91
57) 1,4-Dioxane	6.947	88	4311	75.775	ug/L	#	84
58) cis-1,3-Dichloropropene	7.361	75	14780	1.798	ug/L	#	86
61) Toluene	7.581	92	24437	2.041	ug/L		97
62) 4-Methyl-2-pentanone	7.938	58	3833	2.143	ug/L	#	91
63) Tetrachloroethene	7.917	166	12010	2.034	ug/L		86
65) trans-1,3-Dichloropropene	7.959	75	13595	1.832	ug/L		97
67) Ethyl methacrylate	8.121	69	11268	1.877	ug/L		99
68) 1,1,2-Trichloroethane	8.074	83	6967	1.946	ug/L		86
69) Chlorodibromomethane	8.211	129	10661	1.869	ug/L		96
70) 1,3-Dichloropropane	8.279	76	13328	1.873	ug/L		97
71) 1,2-Dibromoethane	8.368	107	8604	1.878	ug/L		96
72) 2-Hexanone	8.572	43	6089	1.784	ug/L	#	83
73) Chlorobenzene	8.756	112	28351	2.022	ug/L		97
74) Ethylbenzene	8.787	91	45921	2.034	ug/L		98
75) 1,1,1,2-Tetrachloroethane	8.808	131	9922	1.815	ug/L		96
76) p/m Xylene	8.887	106	37690	4.058	ug/L		91
77) o Xylene	9.165	106	35431	4.069	ug/L		84
78) Styrene	9.202	104	57421	3.989	ug/L		88

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N05.D
Acq On : 27 Dec 2022 11:56 pm
Operator : VOA129:NLK
Sample : I8260STD2.0PPB
Misc : WG1728525,ICAL19353
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 28 15:12:09 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	9.212	173	7267	1.729	ug/L		94
82) Isopropylbenzene	9.369	105	47330	2.035	ug/L		95
84) Bromobenzene	9.595	156	13624	2.048	ug/L		98
85) n-Propylbenzene	9.621	91	56496	2.065	ug/L		93
86) 1,4-Dichlorobutane	9.626	55	12606	1.897	ug/L		99
87) 1,1,2,2-Tetrachloroethane	9.668	83	11280	2.006	ug/L		99
88) 4-Ethyltoluene	9.689	105	45358	1.959	ug/L		92
89) 2-Chlorotoluene	9.710	91	33288M6	2.136	ug/L		
90) 1,3,5-Trimethylbenzene	9.742	105	40293	1.990	ug/L		89
91) 1,2,3-Trichloropropane	9.736	75	8428M4	1.881	ug/L		
92) trans-1,4-Dichloro-2-b...	9.768	53	3053	1.981	ug/L	#	67
93) 4-Chlorotoluene	9.810	91	34808M3	2.062	ug/L		
94) tert-Butylbenzene	9.925	119	35992	2.015	ug/L		97
97) 1,2,4-Trimethylbenzene	9.967	105	38480	1.924	ug/L		89
98) sec-Butylbenzene	10.030	105	52432	2.035	ug/L		94
99) p-Isopropyltoluene	10.114	119	45084	1.967	ug/L		94
100) 1,3-Dichlorobenzene	10.151	146	24026	1.933	ug/L		98
101) 1,4-Dichlorobenzene	10.203	146	25162	2.010	ug/L		91
102) p-Diethylbenzene	10.324	119	26817	1.958	ug/L		92
103) n-Butylbenzene	10.355	91	36592	1.869	ug/L		95
104) 1,2-Dichlorobenzene	10.444	146	23068	1.955	ug/L		96
105) 1,2,4,5-Tetramethylben...	10.780	119	38587	1.806	ug/L		96
106) 1,2-Dibromo-3-chloropr...	10.895	155	2279	1.853	ug/L		94
107) 1,3,5-Trichlorobenzene	10.916	180	18995	1.923	ug/L		91
108) Hexachlorobutadiene	11.262	225	10960	2.083	ug/L		92
109) 1,2,4-Trichlorobenzene	11.273	180	16997	1.853	ug/L		97
110) Naphthalene	11.451	128	40087	1.958	ug/L		100
111) 1,2,3-Trichlorobenzene	11.561	180	16307	1.895	ug/L		97

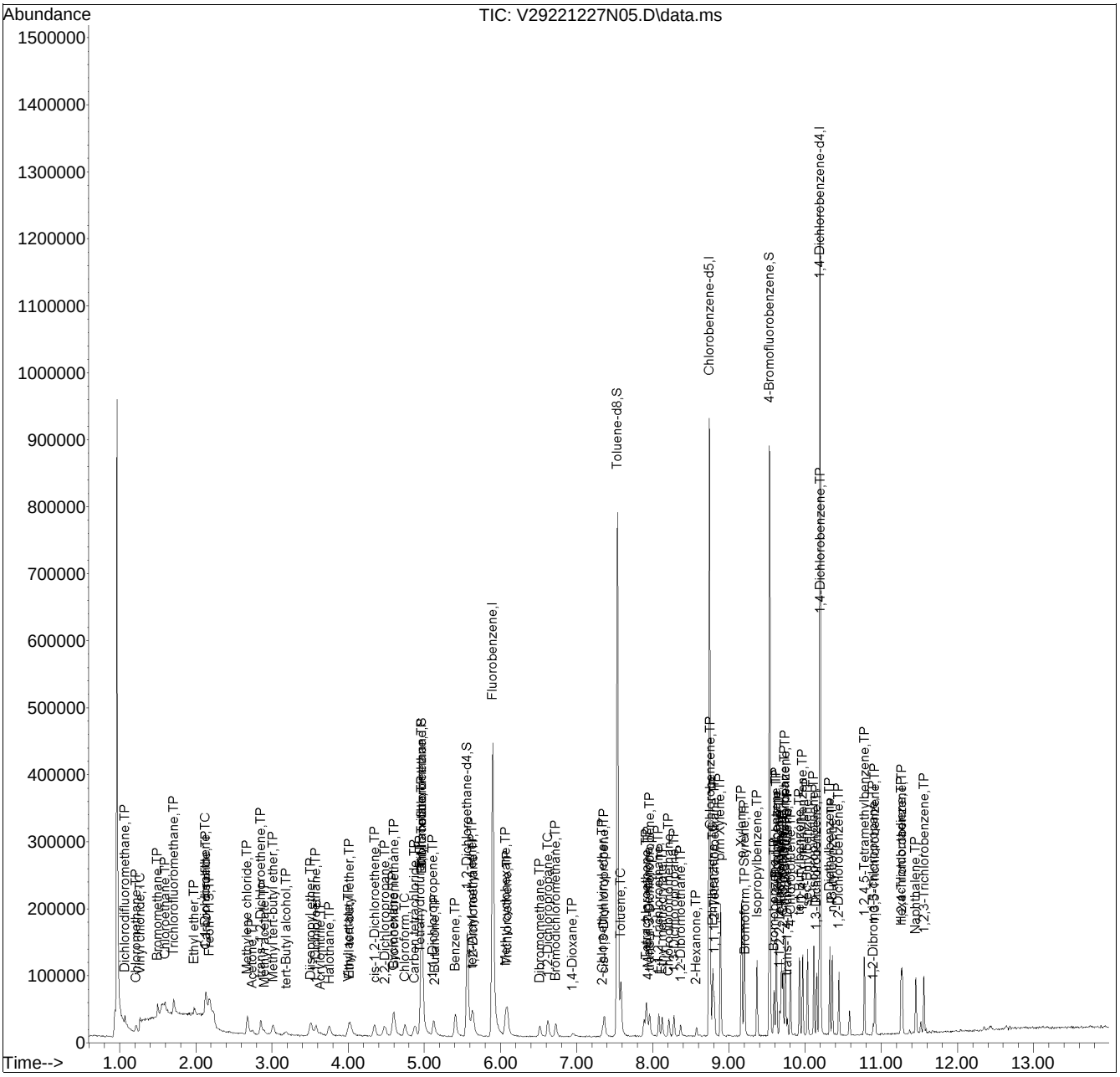
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N05.D
Acq On : 27 Dec 2022 11:56 pm
Operator : VOA129:NLK
Sample : I8260STD2.0PPB
Misc : WG1728525,ICAL19353
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 28 15:12:09 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

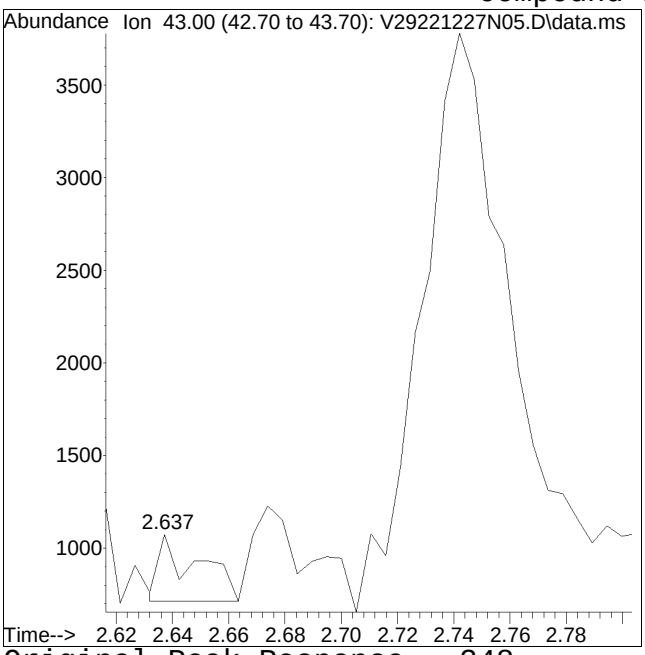
Sub List : 8260-CurveSoil - Megamix plus Diox7NICAL\V29221227N08.D•

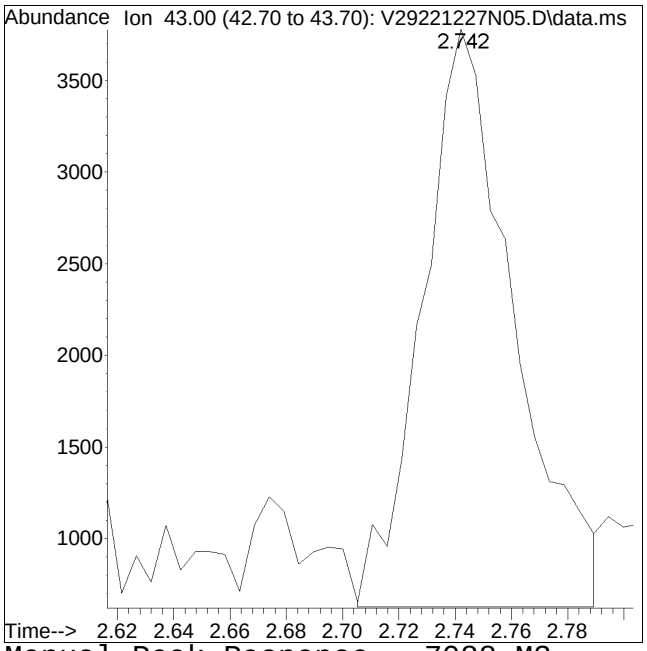


Manual Integration Report

Data Path : I:\VOLATILES\VOA129\2022\2QMethod : V129_221227N_8260.m
Data File : V29221227N05.D Operator : VOA129:NLK
Date Inj'd : 12/27/2022 11:56 pm Instrument : VOA 129
Sample : I8260STD2.0PPB Quant Date : 12/28/2022 3:07 pm

Compound #17: Acetone





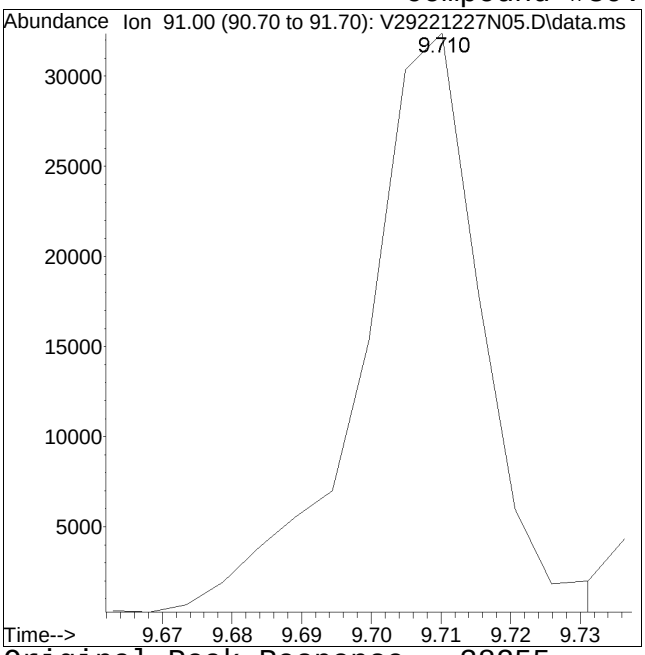
Original Peak Response = 348 Manual Peak Response = 7088 M3

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.

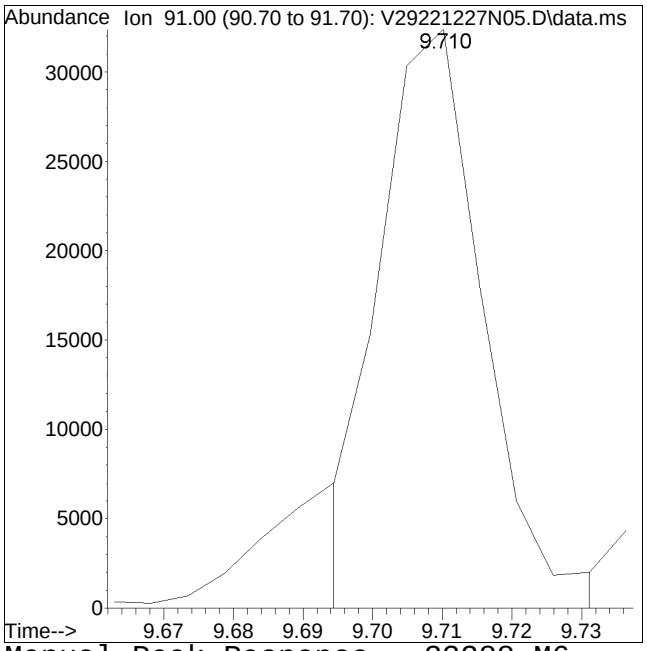
Manual Integration Report

Data Path : I:\VOLATILES\VOA129\2022\2QMethod : V129_221227N_8260.m
Data File : V29221227N05.D Operator : VOA129:NLK
Date Inj'd : 12/27/2022 11:56 pm Instrument : VOA 129
Sample : I8260STD2.0PPB Quant Date : 12/28/2022 3:07 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 38255



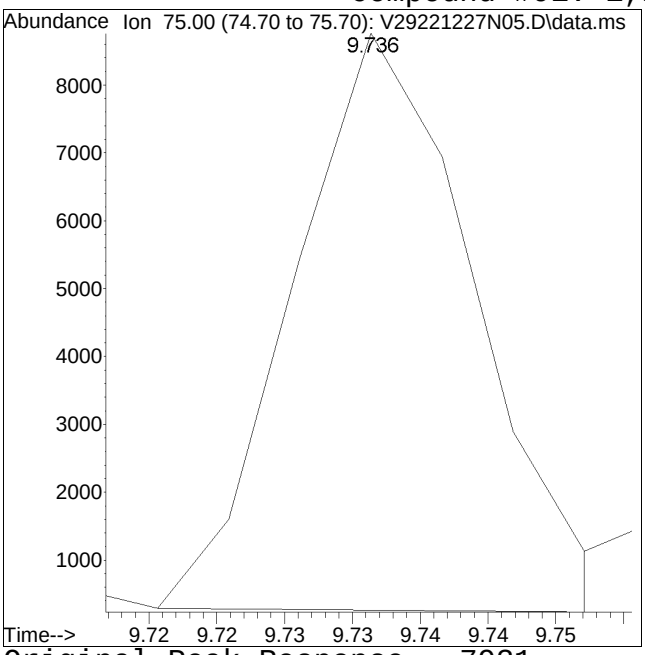
Manual Peak Response = 33288 M6

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

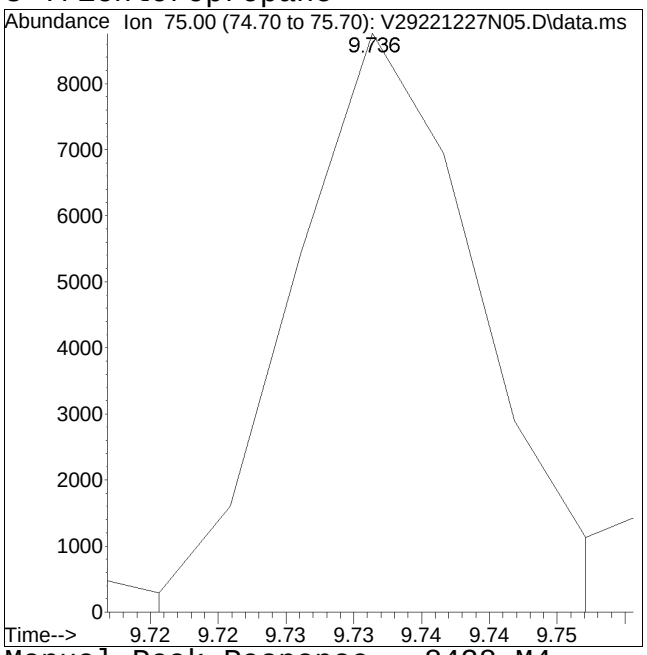
Manual Integration Report

Data Path : I:\VOLATILES\VOA129\2022\2QMethod : V129_221227N_8260.m
Data File : V29221227N05.D Operator : VOA129:NLK
Date Inj'd : 12/27/2022 11:56 pm Instrument : VOA 129
Sample : I8260STD2.0PPB Quant Date : 12/28/2022 3:07 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 7931



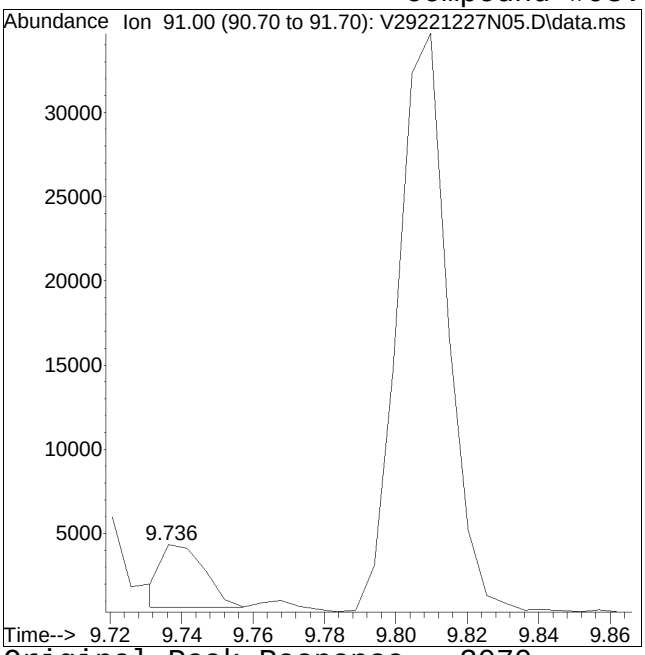
Manual Peak Response = 8428 M4

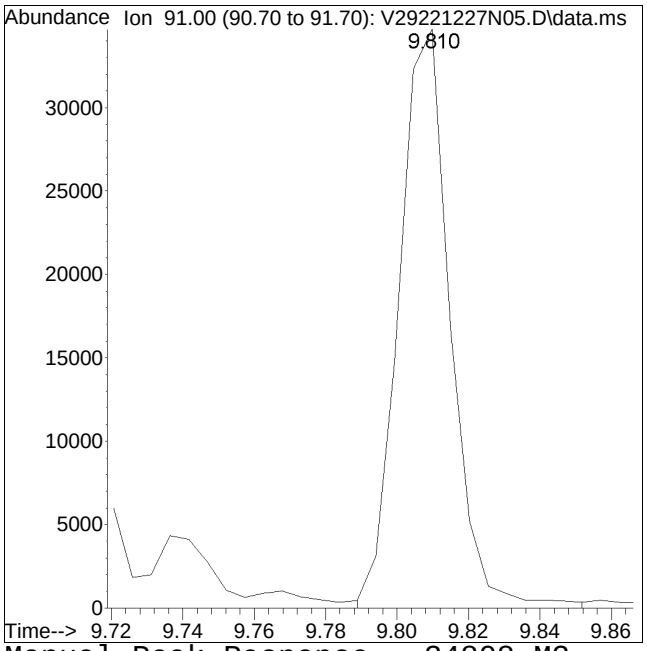
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\VOLATILES\VOA129\2022\2QMethod : V129_221227N_8260.m
Data File : V29221227N05.D Operator : VOA129:NLK
Date Inj'd : 12/27/2022 11:56 pm Instrument : VOA 129
Sample : I8260STD2.0PPB Quant Date : 12/28/2022 3:07 pm

Compound #93: 4-Chlorotoluene





Original Peak Response = 3070 Manual Peak Response = 34808 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N06.D
Acq On : 28 Dec 2022 12:16 am
Operator : VOA129:NLK
Sample : I8260STD4.0PPB
Misc : WG1728525,ICAL19353
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 28 15:13:21 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.899	96	454387	20.000 ug/L	0.00
Standard Area 1 = 471521			Recovery = 96.37%		
59) Chlorobenzene-d5	8.740	117	370101	20.000 ug/L	0.00
Standard Area 1 = 381092			Recovery = 97.12%		
79) 1,4-Dichlorobenzene-d4	10.198	152	211392	20.000 ug/L	0.00
Standard Area 1 = 213135			Recovery = 99.18%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.965	113	120831	20.228 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.14%		
43) 1,2-Dichloroethane-d4	5.563	65	119176	20.527 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.64%		
60) Toluene-d8	7.534	98	461012	19.998 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.99%		
83) 4-Bromofluorobenzene	9.532	95	172609	19.881 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.41%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.070	85	15820	4.575 ug/L	97
3) Chloromethane	1.216	50	19596	4.193 ug/L	99
4) Vinyl chloride	1.269	62	20362	4.288 ug/L	92
5) Bromomethane	1.500	94	20732	5.661 ug/L	96
6) Chloroethane	1.599	64	12794	4.078 ug/L	95
7) Trichlorofluoromethane	1.709	101	29214	4.119 ug/L	96
8) Ethyl ether	1.982	74	9031	4.217 ug/L	64
10) 1,1-Dichloroethene	2.129	96	17084	4.079 ug/L #	69
11) Carbon disulfide	2.134	76	34801	4.036 ug/L #	90
12) Freon-113	2.176	101	18354	4.013 ug/L	90
14) Acrolein	0.000		0	N.D. d	
15) Methylene chloride	2.679	84	24981	5.144 ug/L #	65
17) Acetone	2.742	43	8593M3	6.042 ug/L	
18) trans-1,2-Dichloroethene	2.852	96	20367	4.388 ug/L #	63
19) Methyl acetate	2.894	43	11653	4.056 ug/L #	88
20) Methyl tert-butyl ether	3.010	73	44513	3.942 ug/L	91
21) tert-Butyl alcohol	3.188	59	13912	21.970 ug/L #	89
22) Diisopropyl ether	3.513	45	56979	3.899 ug/L #	93
23) 1,1-Dichloroethane	3.581	63	31789	4.118 ug/L	96
24) Halothane	3.749	117	14673	3.903 ug/L	98
25) Acrylonitrile	3.639	53	6096	4.561 ug/L	94

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N06.D
Acq On : 28 Dec 2022 12:16 am
Operator : VOA129:NLK
Sample : I8260STD4.0PPB
Misc : WG1728525,ICAL19353
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 28 15:13:21 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.022	59	56376	3.869	ug/L		90
27) Vinyl acetate	4.001	43	37707	3.995	ug/L	#	93
28) cis-1,2-Dichloroethene	4.341	96	21990	4.227	ug/L	#	60
29) 2,2-Dichloropropane	4.478	77	29036	4.138	ug/L		90
30) Bromochloromethane	4.598	128	10948	4.094	ug/L	#	51
31) Cyclohexane	4.598	56	31038	4.048	ug/L	#	59
32) Chloroform	4.750	83	32381	3.946	ug/L		93
33) Ethyl acetate	4.965	43	19024	4.134	ug/L	#	93
34) Carbon tetrachloride	4.876	117	26083	3.874	ug/L		96
35) Tetrahydrofuran	4.939	42	5584M3	3.581	ug/L		
37) 1,1,1-Trichloroethane	4.955	97	29120	4.007	ug/L	#	97
39) 2-Butanone	5.138	43	8507	3.920	ug/L	#	40
40) 1,1-Dichloropropene	5.123	75	23863	3.989	ug/L		90
41) Benzene	5.406	78	72012	3.961	ug/L		90
42) tert-Amyl methyl ether	5.626	73	51688	3.758	ug/L		88
44) 1,2-Dichloroethane	5.642	62	23688	4.016	ug/L		93
47) Methyl cyclohexane	6.066	83	32849	3.919	ug/L	#	70
48) Trichloroethene	6.093	95	19346	3.784	ug/L	#	88
50) Dibromomethane	6.517	93	12065	3.996	ug/L	#	82
51) 1,2-Dichloropropane	6.622	63	19594	4.064	ug/L		95
53) 2-Chloroethyl vinyl ether	7.340	63	11864	3.992	ug/L	#	90
54) Bromodichloromethane	6.727	83	24850	3.710	ug/L	#	91
57) 1,4-Dioxane	6.947	88	11611	206.664	ug/L	#	79
58) cis-1,3-Dichloropropene	7.361	75	31453	3.875	ug/L		91
61) Toluene	7.582	92	49075	4.079	ug/L		95
62) 4-Methyl-2-pentanone	7.933	58	8284	4.609	ug/L	#	83
63) Tetrachloroethene	7.917	166	23422	3.948	ug/L		87
65) trans-1,3-Dichloropropene	7.959	75	28283	3.794	ug/L		95
67) Ethyl methacrylate	8.122	69	23007	3.814	ug/L		97
68) 1,1,2-Trichloroethane	8.080	83	14896	4.141	ug/L		97
69) Chlorodibromomethane	8.211	129	22607	3.944	ug/L		96
70) 1,3-Dichloropropane	8.279	76	27579	3.858	ug/L		97
71) 1,2-Dibromoethane	8.363	107	18008	3.912	ug/L		98
72) 2-Hexanone	8.573	43	12475	3.637	ug/L		92
73) Chlorobenzene	8.756	112	56255	3.993	ug/L		92
74) Ethylbenzene	8.787	91	91847	4.049	ug/L		96
75) 1,1,1,2-Tetrachloroethane	8.808	131	20779	3.784	ug/L		96
76) p/m Xylene	8.887	106	76874	8.239	ug/L		89
77) o Xylene	9.165	106	70509	8.061	ug/L		87
78) Styrene	9.196	104	115062	7.957	ug/L		87

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N06.D
Acq On : 28 Dec 2022 12:16 am
Operator : VOA129:NLK
Sample : I8260STD4.0PPB
Misc : WG1728525,ICAL19353
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 28 15:13:21 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	9.207	173	16053	3.756	ug/L		95
82) Isopropylbenzene	9.369	105	93666	3.961	ug/L		95
84) Bromobenzene	9.595	156	26765	3.958	ug/L		100
85) n-Propylbenzene	9.621	91	110178	3.961	ug/L		94
86) 1,4-Dichlorobutane	9.621	55	26673	3.948	ug/L		100
87) 1,1,2,2-Tetrachloroethane	9.668	83	22206	3.884	ug/L		96
88) 4-Ethyltoluene	9.689	105	92496	3.928	ug/L		94
89) 2-Chlorotoluene	9.710	91	63232M6	3.991	ug/L		
90) 1,3,5-Trimethylbenzene	9.742	105	80511	3.911	ug/L		89
91) 1,2,3-Trichloropropane	9.736	75	17312	3.800	ug/L		97
92) trans-1,4-Dichloro-2-b...	9.768	53	6899	4.403	ug/L	#	79
93) 4-Chlorotoluene	9.810	91	66247	3.859	ug/L	#	86
94) tert-Butylbenzene	9.925	119	72111	3.971	ug/L		97
97) 1,2,4-Trimethylbenzene	9.967	105	78085	3.840	ug/L		92
98) sec-Butylbenzene	10.030	105	103597	3.954	ug/L		94
99) p-Isopropyltoluene	10.114	119	88981	3.818	ug/L		94
100) 1,3-Dichlorobenzene	10.151	146	50355	3.985	ug/L		96
101) 1,4-Dichlorobenzene	10.203	146	50646	3.979	ug/L		97
102) p-Diethylbenzene	10.324	119	52290	3.756	ug/L		92
103) n-Butylbenzene	10.355	91	74622	3.749	ug/L	#	97
104) 1,2-Dichlorobenzene	10.444	146	46782	3.899	ug/L		96
105) 1,2,4,5-Tetramethylben...	10.780	119	80644	3.712	ug/L		97
106) 1,2-Dibromo-3-chloropr...	10.895	155	4850	3.878	ug/L		89
107) 1,3,5-Trichlorobenzene	10.916	180	39174	3.901	ug/L	#	91
108) Hexachlorobutadiene	11.262	225	19992	3.737	ug/L		95
109) 1,2,4-Trichlorobenzene	11.278	180	35157	3.770	ug/L		99
110) Naphthalene	11.451	128	80389	3.863	ug/L		100
111) 1,2,3-Trichlorobenzene	11.561	180	33133	3.787	ug/L		97

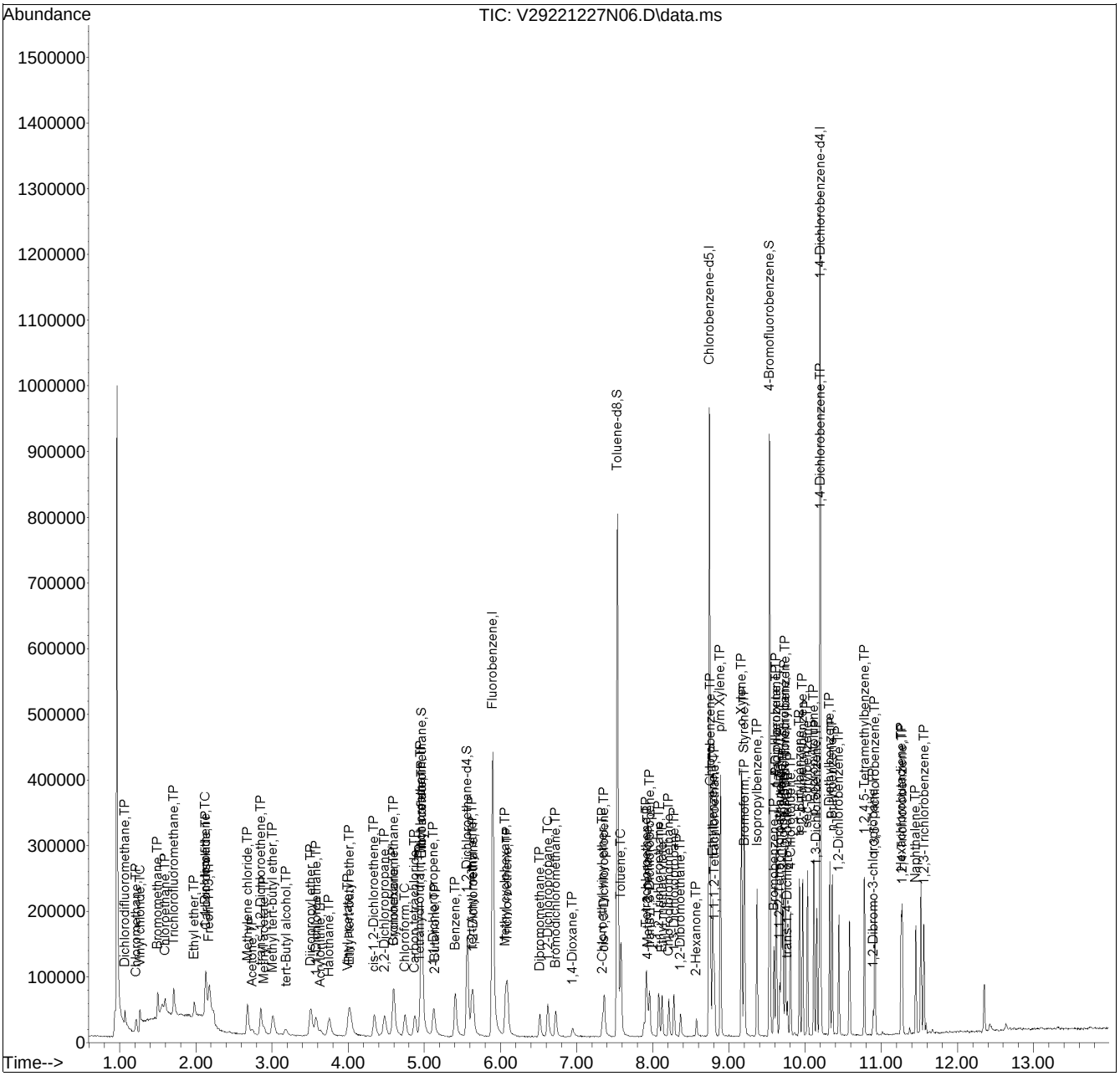
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N06.D
Acq On : 28 Dec 2022 12:16 am
Operator : VOA129:NLK
Sample : I8260STD4.0PPB
Misc : WG1728525,ICAL19353
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 28 15:13:21 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

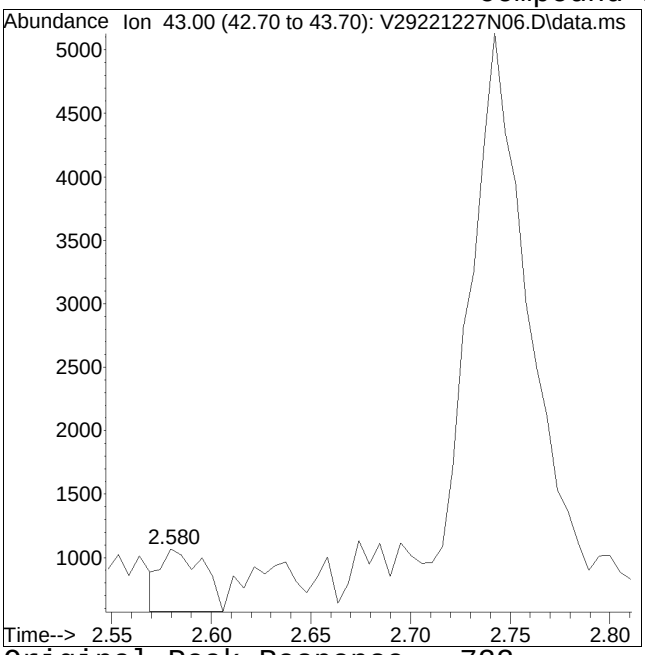
Sub List : 8260-CurveSoil - Megamix plus Diox7NICAL\V29221227N08.D•

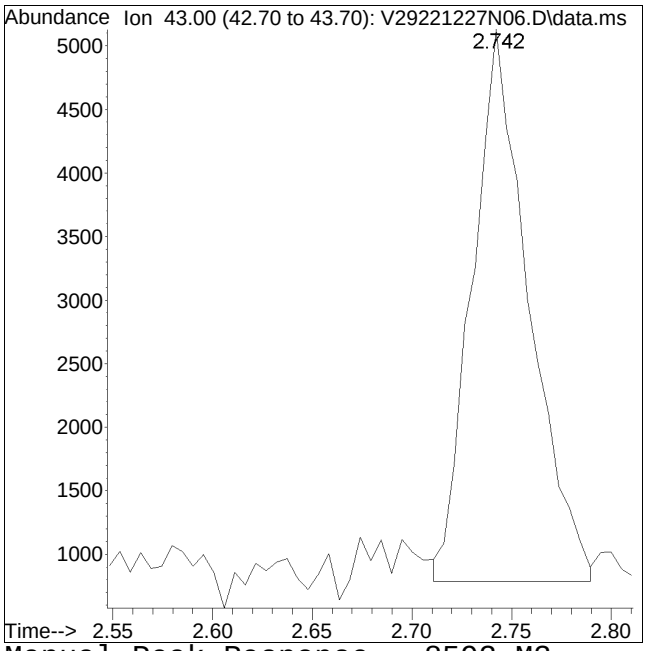


Manual Integration Report

Data Path : I:\VOLATILES\VOA129\2022\2QMethod : V129_221227N_8260.m
Data File : V29221227N06.D Operator : VOA129:NLK
Date Inj'd : 12/28/2022 12:16 am Instrument : VOA 129
Sample : I8260STD4.0PPB Quant Date : 12/28/2022 3:07 pm

Compound #17: Acetone





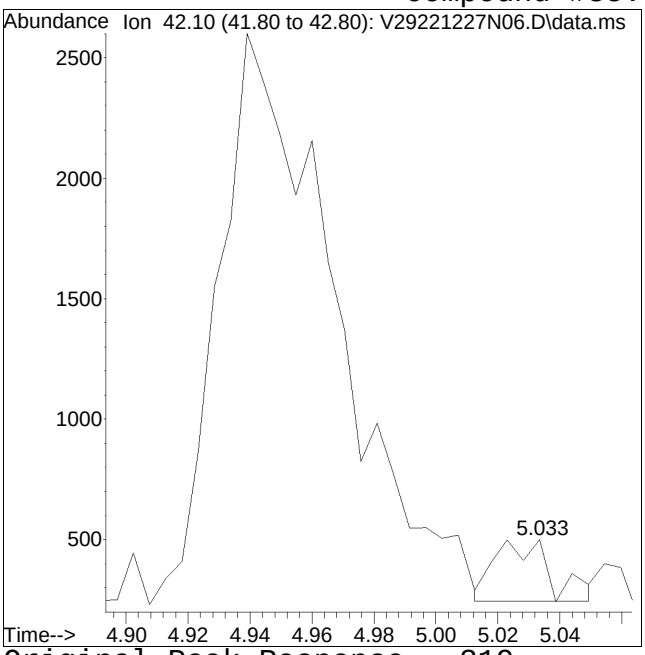
Original Peak Response = 722 Manual Peak Response = 8593 M3

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.

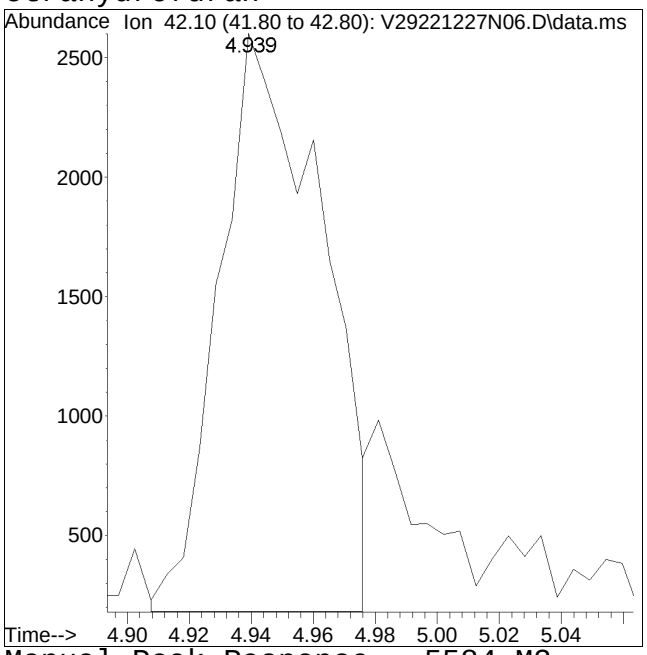
Manual Integration Report

Data Path : I:\VOLATILES\VOA129\2022\2QMethod : V129_221227N_8260.m
Data File : V29221227N06.D Operator : VOA129:NLK
Date Inj'd : 12/28/2022 12:16 am Instrument : VOA 129
Sample : I8260STD4.0PPB Quant Date : 12/28/2022 3:07 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 319



Manual Peak Response = 5584 M3

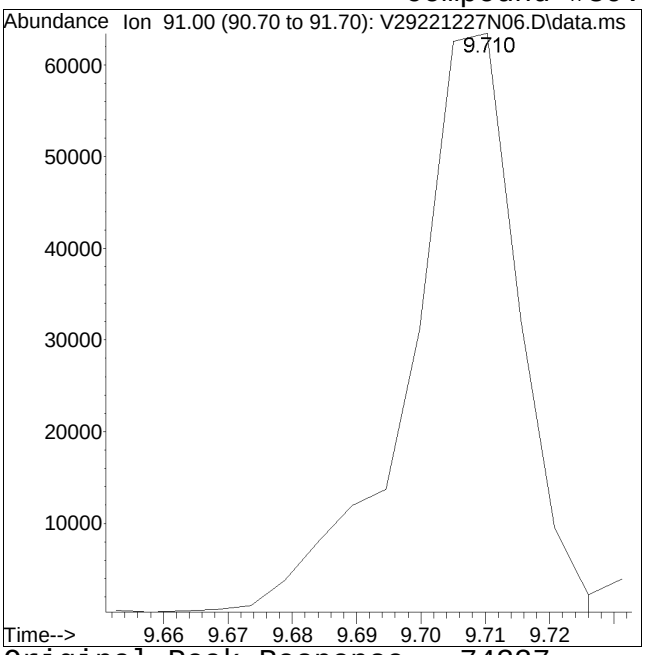
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

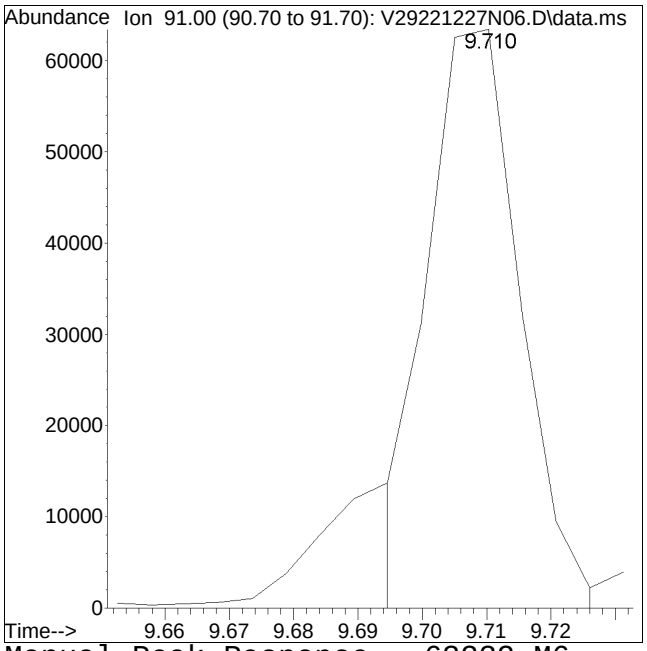
Data Path : I:\VOLATILES\VOA129\2022\2Q
Data File : V29221227N06.D
Date Inj'd : 12/28/2022 12:16 am
Sample : I8260STD4.0PPB

Method : V129_221227N_8260.m
Operator : VOA129:NLK
Instrument : VOA 129
Quant Date : 12/28/2022 3:07 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 74337



Manual Peak Response = 63232 M6

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N07.D
Acq On : 28 Dec 2022 12:37 am
Operator : VOA129:NLK
Sample : I8260STD20PPB
Misc : WG1728525,ICAL19353
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 28 15:13:55 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.898	96	475317	20.000	ug/L	0.00
Standard Area 1 = 471521			Recovery = 100.81%			
59) Chlorobenzene-d5	8.740	117	380681	20.000	ug/L	0.00
Standard Area 1 = 381092			Recovery = 99.89%			
79) 1,4-Dichlorobenzene-d4	10.198	152	207211	20.000	ug/L	0.00
Standard Area 1 = 213135			Recovery = 97.22%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.965	113	123384	19.745	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.73%			
43) 1,2-Dichloroethane-d4	5.563	65	123000	20.252	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.26%			
60) Toluene-d8	7.534	98	475220	20.041	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.21%			
83) 4-Bromofluorobenzene	9.532	95	170332	20.015	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.08%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.069	85	75399	20.842	ug/L	99
3) Chloromethane	1.216	50	97179	19.878	ug/L	99
4) Vinyl chloride	1.263	62	97825	19.692	ug/L	94
5) Bromomethane	1.499	94	82869	21.632	ug/L	99
6) Chloroethane	1.599	64	60684	18.490	ug/L	97
7) Trichlorofluoromethane	1.714	101	147192	19.838	ug/L	100
8) Ethyl ether	1.982	74	43782	19.546	ug/L	71
10) 1,1-Dichloroethene	2.129	96	87037	19.868	ug/L #	64
11) Carbon disulfide	2.134	76	181074	20.076	ug/L	99
12) Freon-113	2.181	101	97540	20.387	ug/L	90
14) Acrolein	2.438	56	3610	18.851	ug/L	85
15) Methylene chloride	2.679	84	101256	19.931	ug/L	69
17) Acetone	2.737	43	26886	18.071	ug/L	92
18) trans-1,2-Dichloroethene	2.857	96	93317	19.219	ug/L	73
19) Methyl acetate	2.894	43	59668	19.856	ug/L #	89
20) Methyl tert-butyl ether	3.009	73	223790	18.948	ug/L	92
21) tert-Butyl alcohol	3.172	59	61974	93.559	ug/L #	67
22) Diisopropyl ether	3.507	45	296098	19.371	ug/L #	92
23) 1,1-Dichloroethane	3.581	63	160172	19.835	ug/L	98
24) Halothane	3.754	117	78604	19.985	ug/L	97
25) Acrylonitrile	3.633	53	27397	19.595	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N07.D
Acq On : 28 Dec 2022 12:37 am
Operator : VOA129:NLK
Sample : I8260STD20PPB
Misc : WG1728525,ICAL19353
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 28 15:13:55 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.021	59	291753	19.140	ug/L		88
27) Vinyl acetate	4.000	43	206151	20.879	ug/L	#	93
28) cis-1,2-Dichloroethene	4.346	96	104139	19.135	ug/L	#	65
29) 2,2-Dichloropropane	4.472	77	142718	19.443	ug/L		94
30) Bromochloromethane	4.598	128	54877	19.619	ug/L	#	50
31) Cyclohexane	4.598	56	162847	20.303	ug/L	#	63
32) Chloroform	4.745	83	165638	19.296	ug/L		95
33) Ethyl acetate	4.965	43	88512	18.386	ug/L	#	93
34) Carbon tetrachloride	4.876	117	138026	19.597	ug/L		97
35) Tetrahydrofuran	4.934	42	31923	19.569	ug/L	#	80
37) 1,1,1-Trichloroethane	4.955	97	151093	19.873	ug/L	#	96
39) 2-Butanone	5.133	43	40816	17.980	ug/L	#	35
40) 1,1-Dichloropropene	5.122	75	126439	20.206	ug/L		93
41) Benzene	5.405	78	373350	19.631	ug/L		89
42) tert-Amyl methyl ether	5.626	73	273889	19.037	ug/L		88
44) 1,2-Dichloroethane	5.641	62	121141	19.634	ug/L		97
47) Methyl cyclohexane	6.071	83	181604	20.713	ug/L	#	67
48) Trichloroethene	6.092	95	103235	19.306	ug/L		90
50) Dibromomethane	6.517	93	61065	19.334	ug/L	#	87
51) 1,2-Dichloropropane	6.622	63	99182	19.666	ug/L		95
53) 2-Chloroethyl vinyl ether	7.340	63	60336	19.410	ug/L		89
54) Bromodichloromethane	6.721	83	134521	19.198	ug/L	#	99
57) 1,4-Dioxane	6.942	88	56509	961.514	ug/L	#	72
58) cis-1,3-Dichloropropene	7.361	75	162815	19.174	ug/L		90
61) Toluene	7.581	92	243805	19.702	ug/L		98
62) 4-Methyl-2-pentanone	7.933	58	35194	19.038	ug/L	#	92
63) Tetrachloroethene	7.917	166	122898	20.139	ug/L		86
65) trans-1,3-Dichloropropene	7.954	75	147996	19.302	ug/L		94
67) Ethyl methacrylate	8.121	69	120213	19.374	ug/L		97
68) 1,1,2-Trichloroethane	8.079	83	71267	19.261	ug/L		93
69) Chlorodibromomethane	8.211	129	113874	19.314	ug/L		96
70) 1,3-Dichloropropane	8.279	76	141831	19.291	ug/L		98
71) 1,2-Dibromoethane	8.363	107	91024	19.226	ug/L		97
72) 2-Hexanone	8.567	43	63751	18.072	ug/L		94
73) Chlorobenzene	8.756	112	285836	19.724	ug/L	#	88
74) Ethylbenzene	8.787	91	471429	20.205	ug/L		96
75) 1,1,1,2-Tetrachloroethane	8.808	131	109702	19.422	ug/L		96
76) p/m Xylene	8.887	106	383356	39.944	ug/L		91
77) o Xylene	9.165	106	361417	40.169	ug/L		85
78) Styrene	9.201	104	592852	39.858	ug/L		87

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N07.D
Acq On : 28 Dec 2022 12:37 am
Operator : VOA129:NLK
Sample : I8260STD20PPB
Misc : WG1728525,ICAL19353
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 28 15:13:55 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	9.207	173	82076	19.592	ug/L		95
82) Isopropylbenzene	9.369	105	484426	20.898	ug/L		94
84) Bromobenzene	9.595	156	133831	20.189	ug/L		99
85) n-Propylbenzene	9.621	91	561737	20.602	ug/L		92
86) 1,4-Dichlorobutane	9.621	55	132763	20.046	ug/L		95
87) 1,1,2,2-Tetrachloroethane	9.668	83	114352	20.404	ug/L		99
88) 4-Ethyltoluene	9.689	105	477894	20.704	ug/L		93
89) 2-Chlorotoluene	9.710	91	320447M6	20.633	ug/L		
90) 1,3,5-Trimethylbenzene	9.742	105	413579	20.495	ug/L		88
91) 1,2,3-Trichloropropane	9.736	75	87055	19.494	ug/L		97
92) trans-1,4-Dichloro-2-b...	9.762	53	31243	20.341	ug/L	#	61
93) 4-Chlorotoluene	9.810	91	341766	20.311	ug/L	#	87
94) tert-Butylbenzene	9.925	119	364641	20.486	ug/L		98
97) 1,2,4-Trimethylbenzene	9.967	105	403772	20.258	ug/L		90
98) sec-Butylbenzene	10.030	105	534467	20.809	ug/L		94
99) p-Isopropyltoluene	10.114	119	476549	20.863	ug/L		93
100) 1,3-Dichlorobenzene	10.150	146	253670	20.482	ug/L		97
101) 1,4-Dichlorobenzene	10.203	146	254509	20.398	ug/L		97
102) p-Diethylbenzene	10.323	119	282252	20.681	ug/L		91
103) n-Butylbenzene	10.355	91	400049	20.504	ug/L	#	96
104) 1,2-Dichlorobenzene	10.444	146	240062	20.410	ug/L		97
105) 1,2,4,5-Tetramethylben...	10.780	119	420162	19.728	ug/L		95
106) 1,2-Dibromo-3-chloropr...	10.895	155	23871	19.473	ug/L		93
107) 1,3,5-Trichlorobenzene	10.916	180	198615	20.176	ug/L	#	92
108) Hexachlorobutadiene	11.262	225	107200	20.440	ug/L		96
109) 1,2,4-Trichlorobenzene	11.278	180	183711	20.096	ug/L		98
110) Naphthalene	11.451	128	403575	19.783	ug/L		100
111) 1,2,3-Trichlorobenzene	11.561	180	170813	19.918	ug/L		98

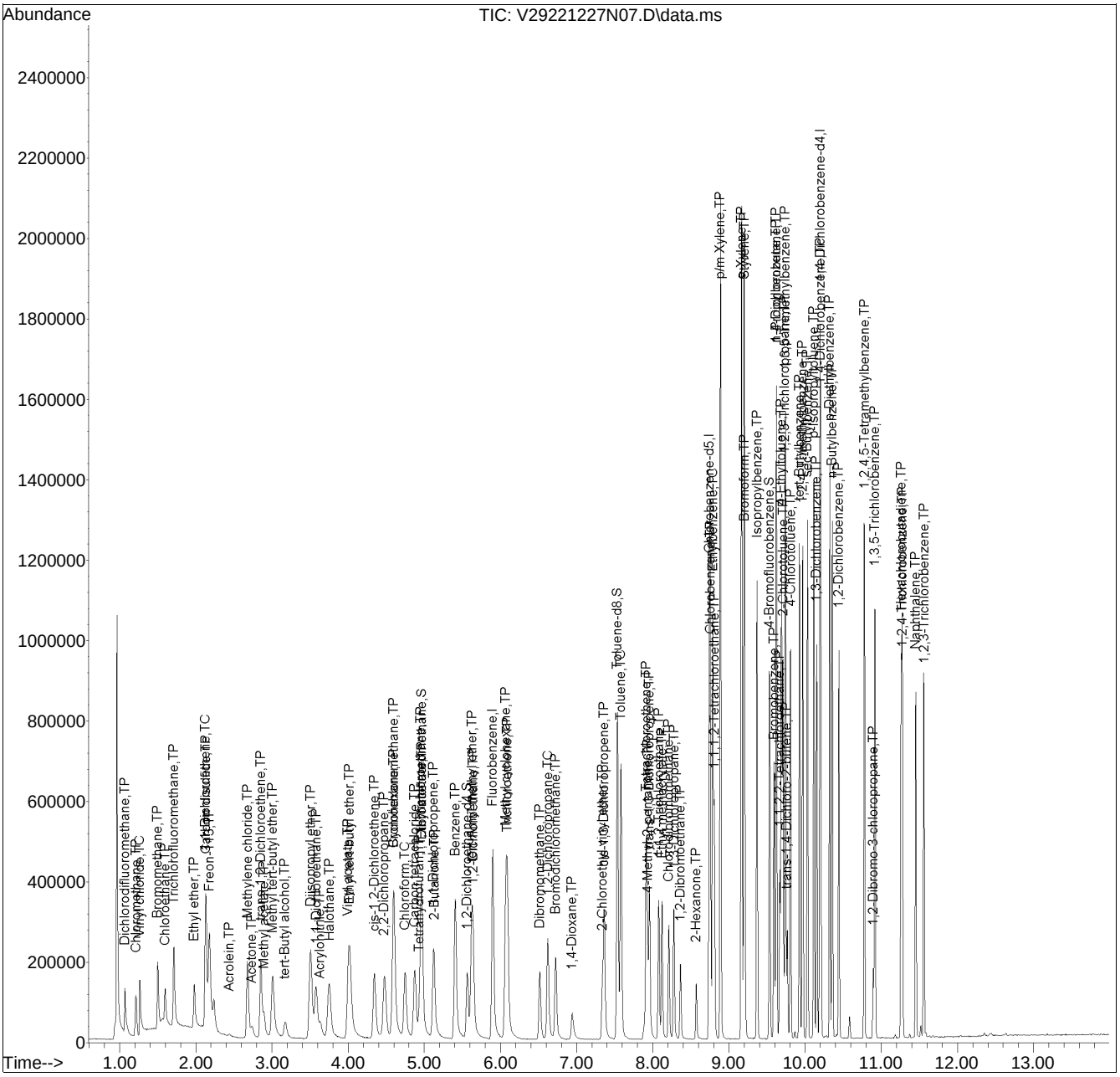
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N07.D
Acq On : 28 Dec 2022 12:37 am
Operator : VOA129:NLK
Sample : I8260STD20PPB
Misc : WG1728525,ICAL19353
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 28 15:13:55 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox7NICAL\V29221227N08.D•

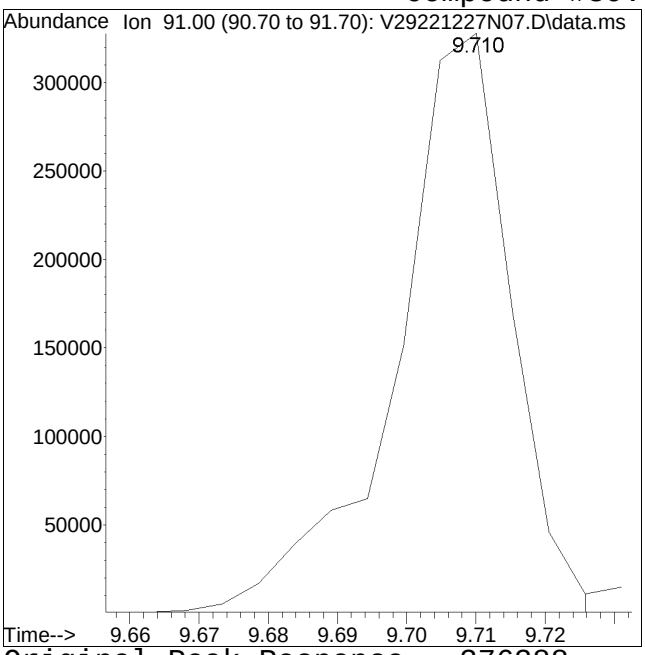


Manual Integration Report

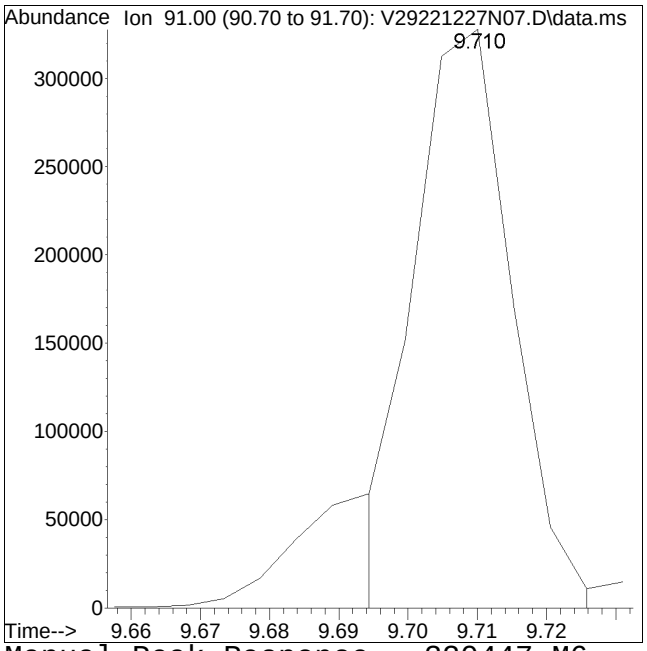
Data Path : I:\VOLATILES\VOA129\2022\2Q
Data File : V29221227N07.D
Date Inj'd : 12/28/2022 12:37 am
Sample : I8260STD20PPB

Method : V129_221227N_8260.m
Operator : VOA129:NLK
Instrument : VOA 129
Quant Date : 12/28/2022 3:07 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 376388



Manual Peak Response = 320447 M6

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N08.D
Acq On : 28 Dec 2022 12:58 am
Operator : VOA129:NLK
Sample : I8260STD40PPB
Misc : WG1728525,ICAL19353
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 28 15:06:44 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.899	96	471521	20.000	ug/L	0.00
Standard Area 1 = 471521			Recovery = 100.00%			
59) Chlorobenzene-d5	8.740	117	381092	20.000	ug/L	0.00
Standard Area 1 = 381092			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	10.193	152	213135	20.000	ug/L	0.00
Standard Area 1 = 213135			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.965	113	123977	20.000	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.00%			
43) 1,2-Dichloroethane-d4	5.568	65	120497	20.000	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.00%			
60) Toluene-d8	7.534	98	474751	20.000	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.00%			
83) 4-Bromofluorobenzene	9.532	95	175073	20.000	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.070	85	143547	40.000	ug/L	98
3) Chloromethane	1.216	50	193989	40.000	ug/L	99
4) Vinyl chloride	1.264	62	197127	40.000	ug/L	96
5) Bromomethane	1.500	94	152013	40.000	ug/L	97
6) Chloroethane	1.599	64	130234	40.000	ug/L	97
7) Trichlorofluoromethane	1.709	101	293718	39.904	ug/L	97
8) Ethyl ether	1.982	74	88884	40.000	ug/L	70
10) 1,1-Dichloroethene	2.129	96	173830	40.000	ug/L #	65
11) Carbon disulfide	2.134	76	357672	39.975	ug/L	100
12) Freon-113	2.176	101	189847	40.000	ug/L	91
14) Acrolein	2.438	56	7599	40.000	ug/L	99
15) Methylene chloride	2.679	84	201588	40.000	ug/L	68
17) Acetone	2.742	43	59038	40.000	ug/L	92
18) trans-1,2-Dichloroethene	2.852	96	192672	40.000	ug/L	72
19) Methyl acetate	2.894	43	119242	40.000	ug/L #	89
20) Methyl tert-butyl ether	3.010	73	468664	40.000	ug/L	92
21) tert-Butyl alcohol	3.177	59	131423	200.000	ug/L #	71
22) Diisopropyl ether	3.508	45	606551	40.000	ug/L #	91
23) 1,1-Dichloroethane	3.581	63	320429	40.000	ug/L	97
24) Halothane	3.749	117	156067	40.000	ug/L	99
25) Acrylonitrile	3.634	53	55481	40.000	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N08.D
Acq On : 28 Dec 2022 12:58 am
Operator : VOA129:NLK
Sample : I8260STD40PPB
Misc : WG1728525,ICAL19353
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 28 15:06:44 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.016	59	603904	39.938	ug/L		91
27) Vinyl acetate	4.001	43	390189	39.837	ug/L	#	93
28) cis-1,2-Dichloroethene	4.347	96	215958	40.000	ug/L	#	64
29) 2,2-Dichloropropane	4.478	77	291272	40.000	ug/L		94
30) Bromochloromethane	4.598	128	110994	40.000	ug/L	#	51
31) Cyclohexane	4.593	56	318264	40.000	ug/L	#	66
32) Chloroform	4.745	83	340612	40.000	ug/L		96
33) Ethyl acetate	4.960	43	191024	40.000	ug/L	#	94
34) Carbon tetrachloride	4.876	117	279472	40.000	ug/L		98
35) Tetrahydrofuran	4.929	42	64731	40.000	ug/L	#	77
37) 1,1,1-Trichloroethane	4.955	97	301690	40.000	ug/L	#	95
39) 2-Butanone	5.128	43	90077	40.000	ug/L	#	44
40) 1,1-Dichloropropene	5.123	75	248299	40.000	ug/L		92
41) Benzene	5.406	78	754675	40.000	ug/L		89
42) tert-Amyl methyl ether	5.621	73	570881	40.000	ug/L		87
44) 1,2-Dichloroethane	5.642	62	244825	40.000	ug/L		98
47) Methyl cyclohexane	6.072	83	347897	40.000	ug/L	#	68
48) Trichloroethene	6.093	95	212187	40.000	ug/L		90
50) Dibromomethane	6.517	93	125325	40.000	ug/L	#	87
51) 1,2-Dichloropropane	6.622	63	200115	39.998	ug/L		95
53) 2-Chloroethyl vinyl ether	7.335	63	123350	40.000	ug/L	#	90
54) Bromodichloromethane	6.727	83	278049	40.000	ug/L	#	99
57) 1,4-Dioxane	6.942	88	116603	2000.000	ug/L	#	70
58) cis-1,3-Dichloropropene	7.361	75	336944	40.000	ug/L		89
61) Toluene	7.582	92	495519	40.000	ug/L		97
62) 4-Methyl-2-pentanone	7.933	58	74025	40.000	ug/L	#	93
63) Tetrachloroethene	7.917	166	244368	40.000	ug/L		85
65) trans-1,3-Dichloropropene	7.954	75	307025	40.000	ug/L		94
67) Ethyl methacrylate	8.122	69	248457	40.000	ug/L		98
68) 1,1,2-Trichloroethane	8.080	83	148164	40.000	ug/L		94
69) Chlorodibromomethane	8.211	129	236091	40.000	ug/L		97
70) 1,3-Dichloropropane	8.279	76	294399	40.000	ug/L		99
71) 1,2-Dibromoethane	8.363	107	189579	40.000	ug/L		98
72) 2-Hexanone	8.567	43	141257	40.000	ug/L		96
73) Chlorobenzene	8.756	112	580310	40.000	ug/L	#	87
74) Ethylbenzene	8.787	91	934317	40.000	ug/L		95
75) 1,1,1,2-Tetrachloroethane	8.808	131	226180	40.000	ug/L		96
76) p/m Xylene	8.887	106	768625	80.000	ug/L		91
77) o Xylene	9.165	106	720565	80.000	ug/L		86
78) Styrene	9.202	104	1191211	80.000	ug/L		87

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N08.D
Acq On : 28 Dec 2022 12:58 am
Operator : VOA129:NLK
Sample : I8260STD40PPB
Misc : WG1728525,ICAL19353
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 28 15:06:44 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:43 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	9.207	173	172360	40.000	ug/L		95
82) Isopropylbenzene	9.369	105	953729	40.000	ug/L		94
84) Bromobenzene	9.595	156	272737	40.000	ug/L		99
85) n-Propylbenzene	9.621	91	1121831	40.000	ug/L		92
86) 1,4-Dichlorobutane	9.621	55	272490	40.000	ug/L		93
87) 1,1,2,2-Tetrachloroethane	9.663	83	230588	40.000	ug/L		100
88) 4-Ethyltoluene	9.689	105	949672	40.000	ug/L		93
89) 2-Chlorotoluene	9.705	91	639001M3	40.000	ug/L		
90) 1,3,5-Trimethylbenzene	9.742	105	830275	40.000	ug/L		88
91) 1,2,3-Trichloropropane	9.736	75	183737	40.000	ug/L		97
92) trans-1,4-Dichloro-2-b...	9.763	53	63195	40.000	ug/L	#	57
93) 4-Chlorotoluene	9.805	91	692319	40.000	ug/L	#	88
94) tert-Butylbenzene	9.925	119	732320	40.000	ug/L		97
97) 1,2,4-Trimethylbenzene	9.967	105	820072	40.000	ug/L		90
98) sec-Butylbenzene	10.030	105	1056760	40.000	ug/L		94
99) p-Isopropyltoluene	10.114	119	939803	40.000	ug/L		93
100) 1,3-Dichlorobenzene	10.151	146	509572	40.000	ug/L		97
101) 1,4-Dichlorobenzene	10.203	146	513358	40.000	ug/L		96
102) p-Diethylbenzene	10.324	119	561523	40.000	ug/L		92
103) n-Butylbenzene	10.355	91	802729	40.000	ug/L	#	96
104) 1,2-Dichlorobenzene	10.444	146	483934	40.000	ug/L		96
105) 1,2,4,5-Tetramethylben...	10.780	119	876259	40.000	ug/L		95
106) 1,2-Dibromo-3-chloropr...	10.895	155	50436	40.000	ug/L		92
107) 1,3,5-Trichlorobenzene	10.916	180	405013	40.000	ug/L	#	92
108) Hexachlorobutadiene	11.262	225	215779	40.000	ug/L		97
109) 1,2,4-Trichlorobenzene	11.278	180	376129	40.000	ug/L		99
110) Naphthalene	11.451	128	839340	40.000	ug/L		100
111) 1,2,3-Trichlorobenzene	11.561	180	352843	40.000	ug/L		99

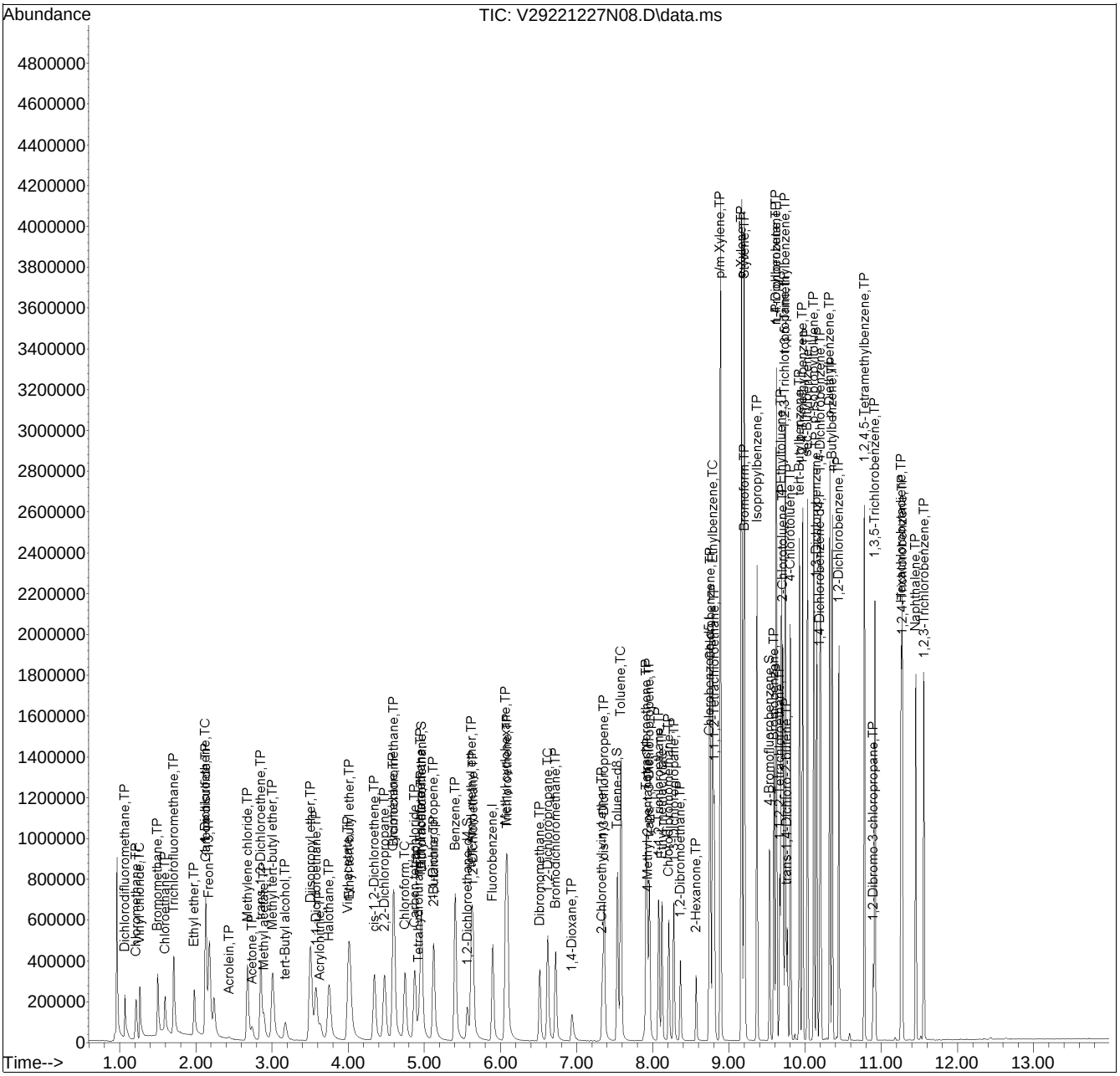
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N08.D
Acq On : 28 Dec 2022 12:58 am
Operator : VOA129:NLK
Sample : I8260STD40PPB
Misc : WG1728525,ICAL19353
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 28 15:06:44 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:43 2022
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox7NICAL\V29221227N08.D•

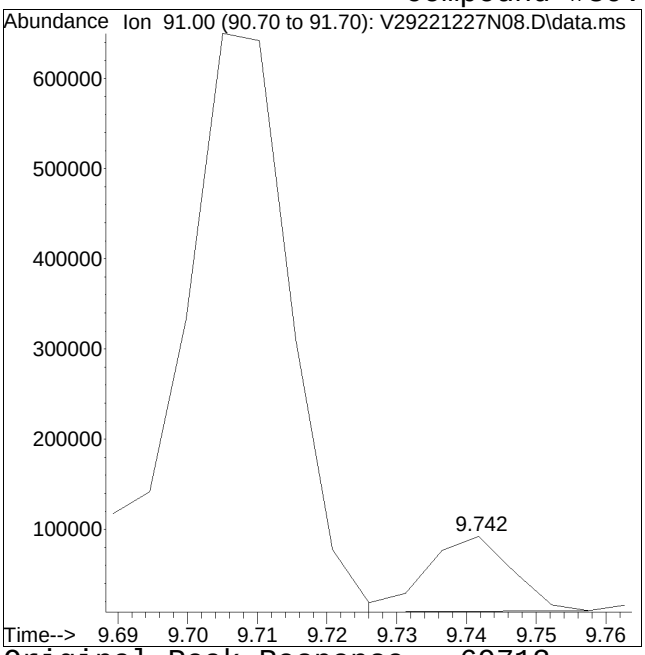


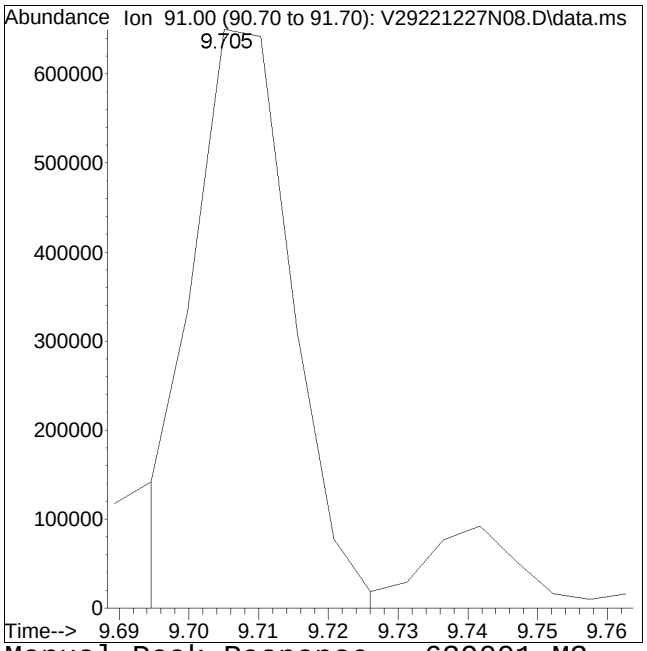
Manual Integration Report

Data Path : I:\VOLATILES\VOA129\2022\2Q
Data File : V29221227N08.D
Date Inj'd : 12/28/2022 12:58 am
Sample : I8260STD40PPB

Method : V129_221227N_8260.m
Operator : VOA129:NLK
Instrument : VOA 129
Quant Date : 12/28/2022 3:06 pm

Compound #89: 2-Chlorotoluene





Original Peak Response = 69713 Manual Peak Response = 639001 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N09.D
Acq On : 28 Dec 2022 01:19 am
Operator : VOA129:NLK
Sample : I8260STD100PPB
Misc : WG1728525,ICAL19353
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 28 15:14:51 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.898	96	477225	20.000	ug/L	0.00
Standard Area 1 = 471521			Recovery = 101.21%			
59) Chlorobenzene-d5	8.740	117	380699	20.000	ug/L	0.00
Standard Area 1 = 381092			Recovery = 99.90%			
79) 1,4-Dichlorobenzene-d4	10.198	152	210371	20.000	ug/L	0.00
Standard Area 1 = 213135			Recovery = 98.70%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.965	113	127334	20.296	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.48%			
43) 1,2-Dichloroethane-d4	5.563	65	120338	19.735	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.67%			
60) Toluene-d8	7.534	98	479156	20.206	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.03%			
83) 4-Bromofluorobenzene	9.532	95	171808	19.885	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.43%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.069	85	370807	102.092	ug/L	99
3) Chloromethane	1.216	50	484382	98.684	ug/L	100
4) Vinyl chloride	1.269	62	496380	99.519	ug/L	95
5) Bromomethane	1.499	94	376780	97.959	ug/L	98
6) Chloroethane	1.594	64	349204	105.972	ug/L	97
7) Trichlorofluoromethane	1.709	101	753724	101.176	ug/L	97
8) Ethyl ether	1.982	74	223687	99.461	ug/L	72
10) 1,1-Dichloroethene	2.128	96	442476	100.601	ug/L #	64
11) Carbon disulfide	2.134	76	902965	99.713	ug/L	95
12) Freon-113	2.176	101	480090	99.944	ug/L	90
14) Acrolein	2.433	56	19987	103.951	ug/L	92
15) Methylene chloride	2.679	84	496399	97.320	ug/L	69
17) Acetone	2.742	43	124896	83.609	ug/L	95
18) trans-1,2-Dichloroethene	2.852	96	487606	100.020	ug/L	72
19) Methyl acetate	2.894	43	303736	100.671	ug/L #	88
20) Methyl tert-butyl ether	3.009	73	1199117	101.120	ug/L	92
21) tert-Butyl alcohol	3.177	59	324028	487.213	ug/L #	69
22) Diisopropyl ether	3.502	45	1558412	101.544	ug/L #	90
23) 1,1-Dichloroethane	3.576	63	816429	100.699	ug/L	97
24) Halothane	3.749	117	392624	99.427	ug/L	98
25) Acrylonitrile	3.633	53	140590	100.149	ug/L	98

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N09.D
Acq On : 28 Dec 2022 01:19 am
Operator : VOA129:NLK
Sample : I8260STD100PPB
Misc : WG1728525,ICAL19353
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 28 15:14:51 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.016	59	1537980	100.495	ug/L		87
27) Vinyl acetate	4.000	43	1096808	110.641	ug/L	#	93
28) cis-1,2-Dichloroethene	4.346	96	533239	97.587	ug/L	#	66
29) 2,2-Dichloropropane	4.477	77	726708	98.605	ug/L		95
30) Bromochloromethane	4.598	128	286016	101.842	ug/L	#	50
31) Cyclohexane	4.598	56	827016	102.699	ug/L	#	65
32) Chloroform	4.745	83	869074	100.840	ug/L		95
33) Ethyl acetate	4.960	43	483068	99.944	ug/L	#	93
34) Carbon tetrachloride	4.876	117	719487	101.747	ug/L		97
35) Tetrahydrofuran	4.923	42	162601	99.277	ug/L	#	78
37) 1,1,1-Trichloroethane	4.960	97	766052	100.354	ug/L	#	95
39) 2-Butanone	5.128	43	209328	91.844	ug/L	#	39
40) 1,1-Dichloropropene	5.122	75	635145	101.096	ug/L		92
41) Benzene	5.405	78	1906387	99.836	ug/L		90
42) tert-Amyl methyl ether	5.620	73	1460339	101.099	ug/L		88
44) 1,2-Dichloroethane	5.641	62	631310	101.912	ug/L		98
47) Methyl cyclohexane	6.071	83	896625	101.859	ug/L	#	68
48) Trichloroethene	6.092	95	528917	98.516	ug/L		90
50) Dibromomethane	6.517	93	323832	102.122	ug/L	#	87
51) 1,2-Dichloropropane	6.622	63	512665	101.245	ug/L		94
53) 2-Chloroethyl vinyl ether	7.340	63	318613	102.085	ug/L	#	89
54) Bromodichloromethane	6.727	83	716980	101.912	ug/L	#	98
57) 1,4-Dioxane	6.936	88	297080	5034.676	ug/L	#	71
58) cis-1,3-Dichloropropene	7.361	75	860014	100.875	ug/L		90
61) Toluene	7.581	92	1252529	101.213	ug/L		97
62) 4-Methyl-2-pentanone	7.933	58	190669	103.136	ug/L	#	94
63) Tetrachloroethene	7.917	166	613487	100.524	ug/L		86
65) trans-1,3-Dichloropropene	7.954	75	787119	102.654	ug/L		95
67) Ethyl methacrylate	8.121	69	639504	103.062	ug/L		98
68) 1,1,2-Trichloroethane	8.074	83	371129	100.298	ug/L		93
69) Chlorodibromomethane	8.210	129	611181	103.657	ug/L		96
70) 1,3-Dichloropropane	8.279	76	748891	101.857	ug/L		98
71) 1,2-Dibromoethane	8.363	107	479857	101.351	ug/L		98
72) 2-Hexanone	8.567	43	349838	99.167	ug/L		95
73) Chlorobenzene	8.756	112	1470808	101.486	ug/L	#	86
74) Ethylbenzene	8.787	91	2371328	101.626	ug/L		95
75) 1,1,1,2-Tetrachloroethane	8.808	131	581472	102.940	ug/L		95
76) p/m Xylene	8.887	106	1929119	200.994	ug/L		90
77) o Xylene	9.165	106	1825728	202.909	ug/L		85
78) Styrene	9.201	104	3035275	204.055	ug/L		87

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N09.D
Acq On : 28 Dec 2022 01:19 am
Operator : VOA129:NLK
Sample : I8260STD100PPB
Misc : WG1728525,ICAL19353
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 28 15:14:51 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	9.207	173	434407	102.138	ug/L		96
82) Isopropylbenzene	9.369	105	2417817	102.737	ug/L		93
84) Bromobenzene	9.589	156	684898	101.768	ug/L		98
85) n-Propylbenzene	9.621	91	2861984	103.388	ug/L		92
86) 1,4-Dichlorobutane	9.621	55	706793	105.116	ug/L		94
87) 1,1,2,2-Tetrachloroethane	9.663	83	612410	107.630	ug/L		99
88) 4-Ethyltoluene	9.689	105	2413381	102.987	ug/L		94
89) 2-Chlorotoluene	9.705	91	1626658M6	103.163	ug/L		
90) 1,3,5-Trimethylbenzene	9.741	105	2110692	103.022	ug/L		89
91) 1,2,3-Trichloropropane	9.736	75	471560	104.009	ug/L		97
92) trans-1,4-Dichloro-2-b...	9.762	53	167800	107.606	ug/L	#	60
93) 4-Chlorotoluene	9.804	91	1757311	102.866	ug/L	#	89
94) tert-Butylbenzene	9.925	119	1875473	103.786	ug/L		97
97) 1,2,4-Trimethylbenzene	9.967	105	2107440	104.143	ug/L		90
98) sec-Butylbenzene	10.030	105	2690560	103.180	ug/L		94
99) p-Isopropyltoluene	10.114	119	2400445	103.510	ug/L		93
100) 1,3-Dichlorobenzene	10.150	146	1290377	102.622	ug/L		97
101) 1,4-Dichlorobenzene	10.203	146	1301727	102.761	ug/L		97
102) p-Diethylbenzene	10.323	119	1449620	104.620	ug/L		92
103) n-Butylbenzene	10.355	91	2039951	102.986	ug/L	#	96
104) 1,2-Dichlorobenzene	10.444	146	1236041	103.508	ug/L		96
105) 1,2,4,5-Tetramethylben...	10.780	119	2243316	103.750	ug/L		96
106) 1,2-Dibromo-3-chloropr...	10.895	155	127899	102.767	ug/L		89
107) 1,3,5-Trichlorobenzene	10.916	180	1019248	101.986	ug/L	#	92
108) Hexachlorobutadiene	11.262	225	543635	102.100	ug/L		96
109) 1,2,4-Trichlorobenzene	11.272	180	946587	101.989	ug/L		98
110) Naphthalene	11.451	128	2138559	103.255	ug/L		100
111) 1,2,3-Trichlorobenzene	11.561	180	889330	102.143	ug/L		99

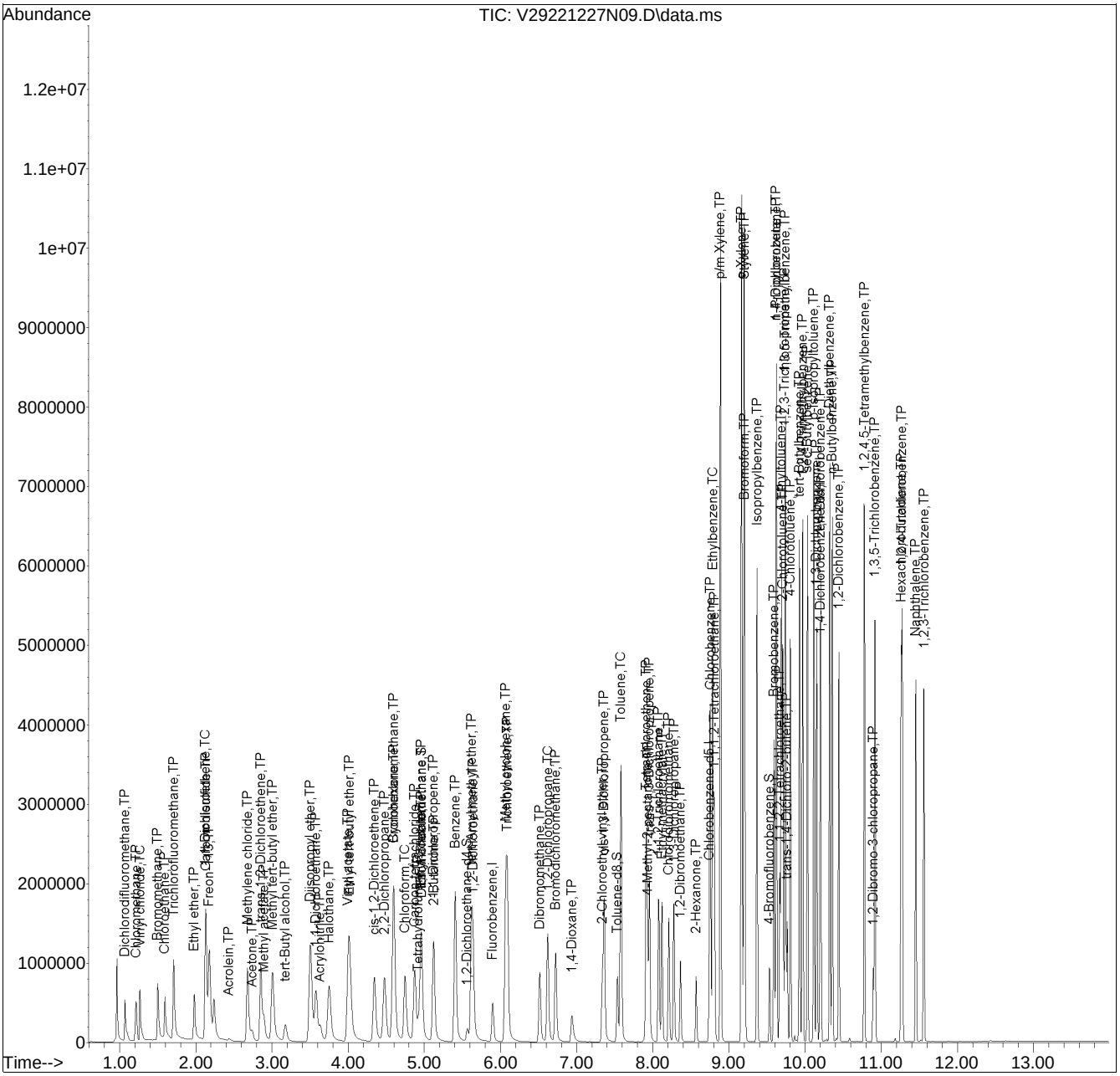
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N09.D
Acq On : 28 Dec 2022 01:19 am
Operator : VOA129:NLK
Sample : I8260STD100PPB
Misc : WG1728525,ICAL19353
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 28 15:14:51 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox7NICAL\V29221227N08.D•

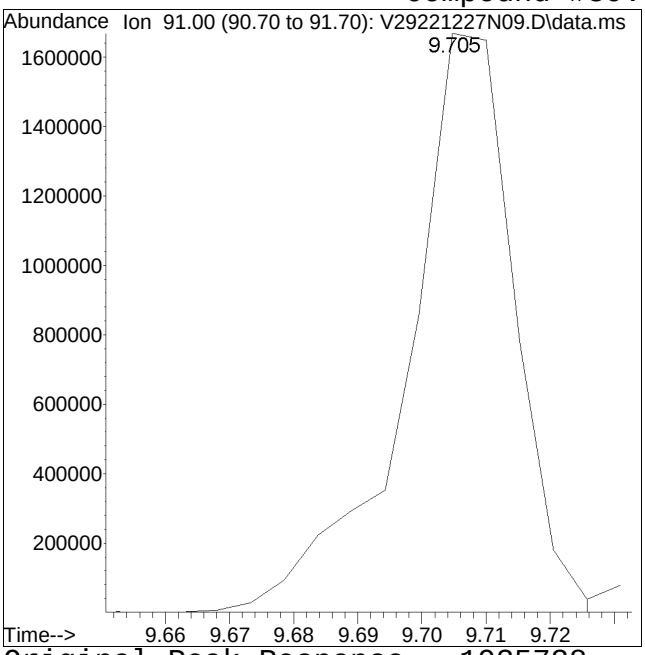


Manual Integration Report

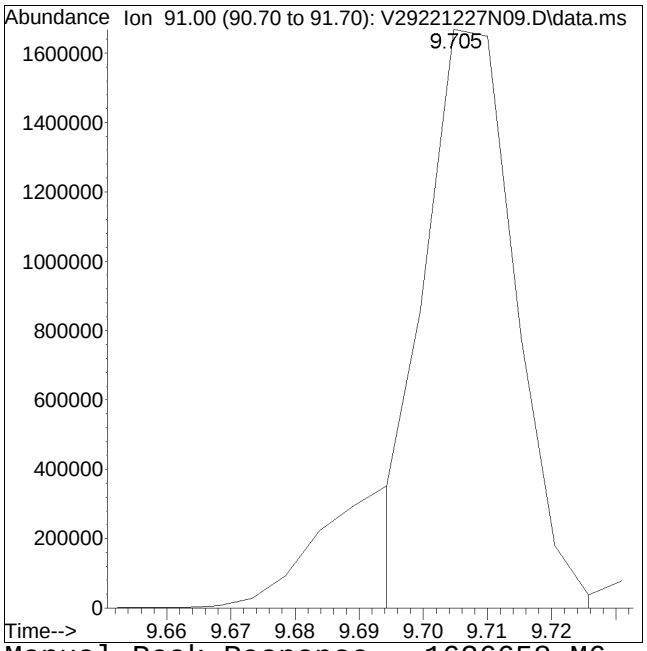
Data Path : I:\VOLATILES\VOA129\2022\2Q
Data File : V29221227N09.D
Date Inj'd : 12/28/2022 1:19 am
Sample : I8260STD100PPB

Method : V129_221227N_8260.m
Operator : VOA129:NLK
Instrument : VOA 129
Quant Date : 12/28/2022 3:07 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 1935738



Manual Peak Response = 1626658 M6

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N10.D
Acq On : 28 Dec 2022 01:39 am
Operator : VOA129:NLK
Sample : I8260STD200PPB
Misc : WG1728525,ICAL19353
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 28 15:15:20 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.898	96	472842	20.000	ug/L	0.00
Standard Area 1 = 471521			Recovery = 100.28%			
59) Chlorobenzene-d5	8.740	117	379706	20.000	ug/L	0.00
Standard Area 1 = 381092			Recovery = 99.64%			
79) 1,4-Dichlorobenzene-d4	10.198	152	208363	20.000	ug/L	0.00
Standard Area 1 = 213135			Recovery = 97.76%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.970	113	125003	20.109	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.55%			
43) 1,2-Dichloroethane-d4	5.563	65	122018	20.196	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.98%			
60) Toluene-d8	7.534	98	474824	20.076	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.38%			
83) 4-Bromofluorobenzene	9.532	95	172758	20.188	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.94%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.070	85	779647	216.645	ug/L	98
3) Chloromethane	1.216	50	996754	204.954	ug/L	99
4) Vinyl chloride	1.264	62	1037029	209.841	ug/L	95
5) Bromomethane	1.499	94	781516	205.070	ug/L	100
6) Chloroethane	1.594	64	715727	219.214	ug/L	97
7) Trichlorofluoromethane	1.709	101	1585153	214.754	ug/L	97
8) Ethyl ether	1.982	74	472463	212.026	ug/L	70
10) 1,1-Dichloroethene	2.123	96	919026	210.886	ug/L #	65
11) Carbon disulfide	2.134	76	1887503	210.367	ug/L	95
12) Freon-113	2.176	101	1020993	214.518	ug/L	92
14) Acrolein	2.433	56	41969	220.301	ug/L	93
15) Methylene chloride	2.679	84	1020305	201.888	ug/L	69
17) Acetone	2.737	43	300838	203.257	ug/L	96
18) trans-1,2-Dichloroethene	2.852	96	1007857	208.653	ug/L	73
19) Methyl acetate	2.894	43	638161	213.474	ug/L #	90
20) Methyl tert-butyl ether	3.004	73	2477595	210.869	ug/L	92
21) tert-Butyl alcohol	3.177	59	676835	1027.132	ug/L #	69
22) Diisopropyl ether	3.502	45	3230862	212.469	ug/L #	91
23) 1,1-Dichloroethane	3.576	63	1695023	211.003	ug/L	97
24) Halothane	3.749	117	825701	211.036	ug/L	99
25) Acrylonitrile	3.633	53	296205	212.958	ug/L	97

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N10.D
Acq On : 28 Dec 2022 01:39 am
Operator : VOA129:NLK
Sample : I8260STD200PPB
Misc : WG1728525,ICAL19353
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 28 15:15:20 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.016	59	3217585	212.193	ug/L		90
27) Vinyl acetate	4.000	43	2119470	215.785	ug/L	#	92
28) cis-1,2-Dichloroethene	4.341	96	1103902	203.895	ug/L	#	66
29) 2,2-Dichloropropane	4.478	77	1509007	206.651	ug/L		94
30) Bromochloromethane	4.598	128	581132	208.843	ug/L	#	49
31) Cyclohexane	4.598	56	1729223	216.725	ug/L	#	64
32) Chloroform	4.745	83	1792775	209.948	ug/L		95
33) Ethyl acetate	4.960	43	1000487	208.914	ug/L	#	93
34) Carbon tetrachloride	4.876	117	1511157	215.683	ug/L		98
35) Tetrahydrofuran	4.918	42	335478	206.727	ug/L	#	74
37) 1,1,1-Trichloroethane	4.955	97	1590946	210.349	ug/L	#	94
39) 2-Butanone	5.128	43	473318	209.597	ug/L	#	43
40) 1,1-Dichloropropene	5.122	75	1348469	216.626	ug/L		93
41) Benzene	5.406	78	3952375	208.902	ug/L		90
42) tert-Amyl methyl ether	5.621	73	3029816	211.697	ug/L		88
44) 1,2-Dichloroethane	5.642	62	1303528	212.378	ug/L		97
47) Methyl cyclohexane	6.071	83	1885157	216.143	ug/L	#	68
48) Trichloroethene	6.092	95	1124986	211.482	ug/L		91
50) Dibromomethane	6.512	93	664553	211.513	ug/L	#	87
51) 1,2-Dichloropropane	6.622	63	1062697	211.814	ug/L		95
53) 2-Chloroethyl vinyl ether	7.340	63	665633	215.249	ug/L	#	88
54) Bromodichloromethane	6.722	83	1478728	212.135	ug/L	#	98
57) 1,4-Dioxane	6.937	88	601147	10282.198	ug/L	#	71
58) cis-1,3-Dichloropropene	7.361	75	1776298	210.282	ug/L		90
61) Toluene	7.581	92	2606016	211.134	ug/L		96
62) 4-Methyl-2-pentanone	7.933	58	391003	212.053	ug/L	#	92
63) Tetrachloroethene	7.912	166	1290623	212.030	ug/L		86
65) trans-1,3-Dichloropropene	7.954	75	1630031	213.140	ug/L		95
67) Ethyl methacrylate	8.122	69	1326091	214.272	ug/L		98
68) 1,1,2-Trichloroethane	8.074	83	769447	208.487	ug/L		93
69) Chlorodibromomethane	8.211	129	1268735	215.742	ug/L		96
70) 1,3-Dichloropropane	8.279	76	1548482	211.160	ug/L		99
71) 1,2-Dibromoethane	8.363	107	1000855	211.945	ug/L		98
72) 2-Hexanone	8.567	43	750439	213.279	ug/L		95
73) Chlorobenzene	8.756	112	3018982	208.854	ug/L	#	88
74) Ethylbenzene	8.787	91	4895961	210.371	ug/L		95
75) 1,1,1,2-Tetrachloroethane	8.808	131	1189890	211.201	ug/L		96
76) p/m Xylene	8.892	106	3954954	413.142	ug/L		88
77) o Xylene	9.165	106	3758968	418.859	ug/L		81
78) Styrene	9.202	104	6092957	410.688	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N10.D
Acq On : 28 Dec 2022 01:39 am
Operator : VOA129:NLK
Sample : I8260STD200PPB
Misc : WG1728525,ICAL19353
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 28 15:15:20 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	9.212	173	901442	213.991	ug/L		96
82) Isopropylbenzene	9.369	105	4994839	214.284	ug/L		93
84) Bromobenzene	9.595	156	1401411	210.240	ug/L		98
85) n-Propylbenzene	9.621	91	5803578	211.672	ug/L		91
86) 1,4-Dichlorobutane	9.621	55	1494385	224.391	ug/L		95
87) 1,1,2,2-Tetrachloroethane	9.668	83	1258007	223.224	ug/L		100
88) 4-Ethyltoluene	9.689	105	4949606	213.251	ug/L		92
89) 2-Chlorotoluene	9.710	91	3368916M6	215.716	ug/L		
90) 1,3,5-Trimethylbenzene	9.742	105	4337515	213.753	ug/L		88
91) 1,2,3-Trichloropropane	9.736	75	982665	218.828	ug/L		97
92) trans-1,4-Dichloro-2-b...	9.763	53	360999	233.732	ug/L	#	61
93) 4-Chlorotoluene	9.810	91	3624534	214.210	ug/L	#	89
94) tert-Butylbenzene	9.925	119	3828868	213.926	ug/L		98
97) 1,2,4-Trimethylbenzene	9.967	105	4309745	215.027	ug/L		90
98) sec-Butylbenzene	10.030	105	5504863	213.140	ug/L		93
99) p-Isopropyltoluene	10.114	119	4887173	212.772	ug/L		94
100) 1,3-Dichlorobenzene	10.156	146	2628459	211.052	ug/L		98
101) 1,4-Dichlorobenzene	10.203	146	2665433	212.443	ug/L		96
102) p-Diethylbenzene	10.324	119	2994616	218.207	ug/L		93
103) n-Butylbenzene	10.355	91	4241138	216.176	ug/L	#	95
104) 1,2-Dichlorobenzene	10.444	146	2518763	212.959	ug/L		97
105) 1,2,4,5-Tetramethylben...	10.780	119	4581078	213.909	ug/L		95
106) 1,2-Dibromo-3-chloropr...	10.895	155	266319	216.051	ug/L		92
107) 1,3,5-Trichlorobenzene	10.916	180	2081111	210.242	ug/L	#	92
108) Hexachlorobutadiene	11.262	225	1094383	207.517	ug/L		96
109) 1,2,4-Trichlorobenzene	11.278	180	1921914	209.070	ug/L		99
110) Naphthalene	11.451	128	4355633	212.328	ug/L		100
111) 1,2,3-Trichlorobenzene	11.561	180	1801557	208.911	ug/L		99

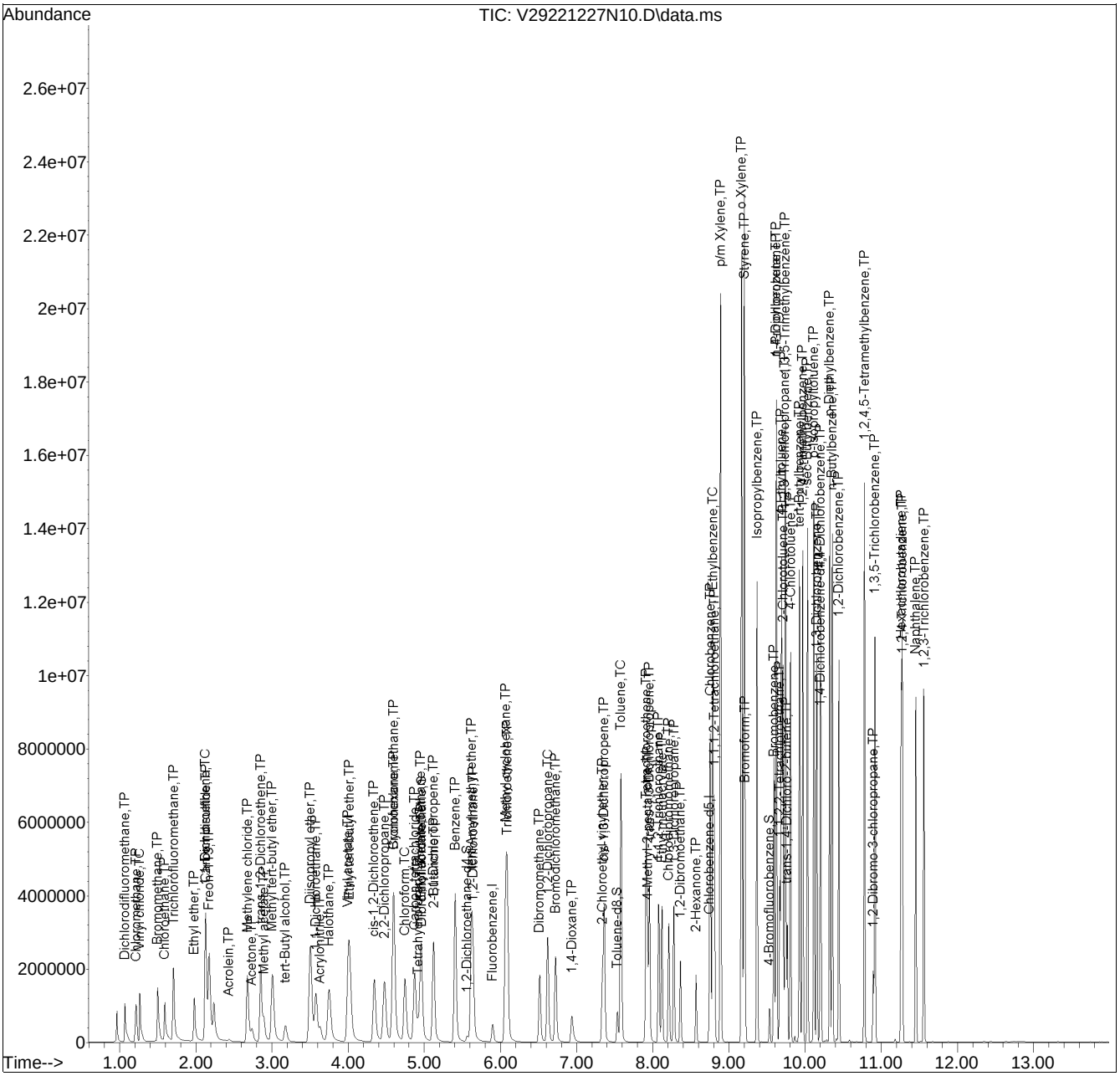
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N10.D
Acq On : 28 Dec 2022 01:39 am
Operator : VOA129:NLK
Sample : I8260STD200PPB
Misc : WG1728525,ICAL19353
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 28 15:15:20 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox7NICAL\V29221227N08.D•

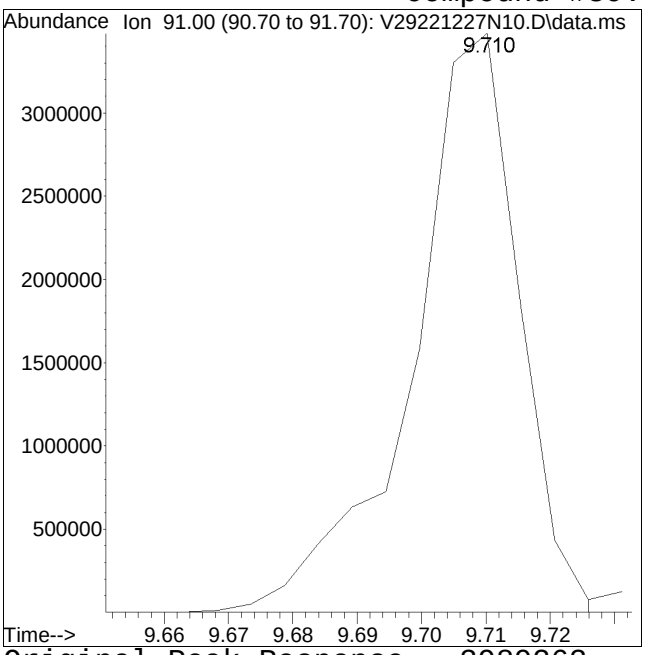


Manual Integration Report

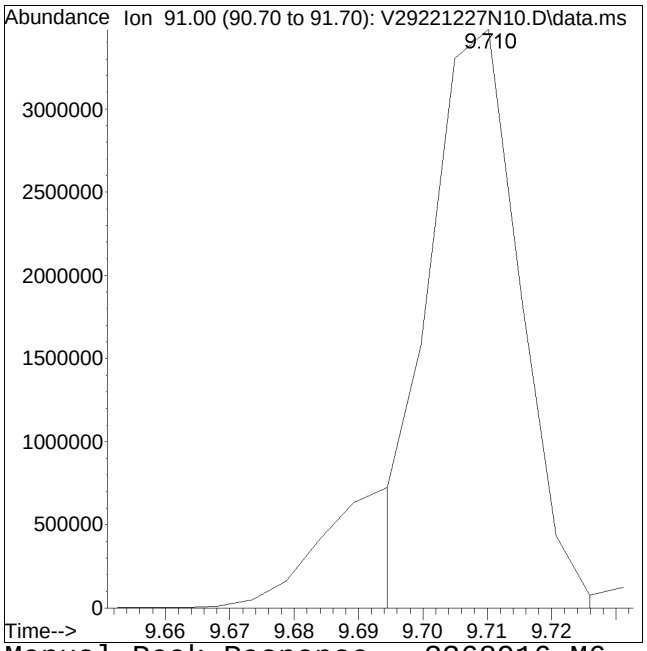
Data Path : I:\VOLATILES\VOA129\2022\2Q
Data File : V29221227N10.D
Date Inj'd : 12/28/2022 1:39 am
Sample : I8260STD200PPB

Method : V129_221227N_8260.m
Operator : VOA129:NLK
Instrument : VOA 129
Quant Date : 12/28/2022 3:07 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 3989263



Manual Peak Response = 3368916 M6

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N11.D
Acq On : 28 Dec 2022 02:00 am
Operator : VOA129:NLK
Sample : I8260STD300PPB
Misc : WG1728525,ICAL19353
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 30 10:36:51 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.898	96	472186	20.000	ug/L	0.00
Standard Area 1 = 471521			Recovery = 100.14%			
59) Chlorobenzene-d5	8.745	117	379629	20.000	ug/L	0.00
Standard Area 1 = 381092			Recovery = 99.62%			
79) 1,4-Dichlorobenzene-d4	10.198	152	211235	20.000	ug/L	0.00
Standard Area 1 = 213135			Recovery = 99.11%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.965	113	126400	20.362	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.81%			
43) 1,2-Dichloroethane-d4	5.563	65	121433	20.127	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.63%			
60) Toluene-d8	7.534	98	474574	20.070	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.35%			
83) 4-Bromofluorobenzene	9.532	95	173224	19.967	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.83%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.069	85	1189323	330.943	ug/L	98
3) Chloromethane	1.216	50	1542185	317.546	ug/L	99
4) Vinyl chloride	1.263	62	1596439	323.485	ug/L	95
5) Bromomethane	1.499	94	1228296	322.753	ug/L	99
6) Chloroethane	1.594	64	1044198	320.263	ug/L	98
7) Trichlorofluoromethane	1.704	101	2466357	334.602	ug/L	97
8) Ethyl ether	1.982	74	727166	326.782	ug/L	70
10) 1,1-Dichloroethene	2.123	96	1410223	324.049	ug/L #	65
11) Carbon disulfide	2.134	76	2885875	322.084	ug/L	94
12) Freon-113	2.176	101	1571341	330.609	ug/L	91
14) Acrolein	2.438	56	67557	355.109	ug/L	93
15) Methylene chloride	2.679	84	1555416	308.198	ug/L	68
17) Acetone	2.742	43	408932	276.673	ug/L	96
18) trans-1,2-Dichloroethene	2.852	96	1547630	320.846	ug/L	73
19) Methyl acetate	2.894	43	949475	318.055	ug/L #	89
20) Methyl tert-butyl ether	3.009	73	3775388	321.772	ug/L	92
21) tert-Butyl alcohol	3.182	59	1025505	1558.419	ug/L #	69
22) Diisopropyl ether	3.507	45	4957137	326.446	ug/L #	91
23) 1,1-Dichloroethane	3.576	63	2590709	322.950	ug/L	97
24) Halothane	3.754	117	1265639	323.927	ug/L	99
25) Acrylonitrile	3.633	53	445888	321.018	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N11.D
Acq On : 28 Dec 2022 02:00 am
Operator : VOA129:NLK
Sample : I8260STD300PPB
Misc : WG1728525,ICAL19353
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 30 10:36:51 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.016	59	4917144	324.725	ug/L		88
27) Vinyl acetate	4.000	43	3444214	351.145	ug/L	#	92
28) cis-1,2-Dichloroethene	4.346	96	1680217	310.774	ug/L	#	66
29) 2,2-Dichloropropane	4.477	77	2320566	318.231	ug/L		94
30) Bromochloromethane	4.598	128	877768	315.884	ug/L	#	50
31) Cyclohexane	4.598	56	2670747	335.192	ug/L	#	65
32) Chloroform	4.745	83	2730981	320.263	ug/L		95
33) Ethyl acetate	4.960	43	1524367	318.750	ug/L	#	93
34) Carbon tetrachloride	4.876	117	2317207	331.188	ug/L		98
35) Tetrahydrofuran	4.918	42	516673	318.824	ug/L	#	76
37) 1,1,1-Trichloroethane	4.960	97	2427203	321.361	ug/L	#	94
39) 2-Butanone	5.128	43	686710	304.514	ug/L	#	41
40) 1,1-Dichloropropene	5.122	75	2061048	331.559	ug/L		93
41) Benzene	5.405	78	6002101	317.681	ug/L		90
42) tert-Amyl methyl ether	5.620	73	4642418	324.823	ug/L		88
44) 1,2-Dichloroethane	5.641	62	1989764	324.634	ug/L		97
47) Methyl cyclohexane	6.071	83	2899740	332.933	ug/L	#	68
48) Trichloroethene	6.092	95	1693842	318.861	ug/L		91
50) Dibromomethane	6.517	93	1010834	322.174	ug/L	#	87
51) 1,2-Dichloropropane	6.622	63	1626560	324.653	ug/L		94
53) 2-Chloroethyl vinyl ether	7.340	63	1016735	329.243	ug/L	#	89
54) Bromodichloromethane	6.727	83	2264197	325.268	ug/L	#	98
57) 1,4-Dioxane	6.936	88	914626	15665.770	ug/L	#	71
58) cis-1,3-Dichloropropene	7.361	75	2701921	320.304	ug/L		90
61) Toluene	7.581	92	3978274	322.378	ug/L		95
62) 4-Methyl-2-pentanone	7.933	58	597521	324.120	ug/L	#	93
63) Tetrachloroethene	7.917	166	1957566	321.664	ug/L		87
65) trans-1,3-Dichloropropene	7.954	75	2503482	327.417	ug/L		94
67) Ethyl methacrylate	8.121	69	2029248	327.955	ug/L		98
68) 1,1,2-Trichloroethane	8.079	83	1184888	321.118	ug/L		94
69) Chlorodibromomethane	8.211	129	1916800	326.008	ug/L		97
70) 1,3-Dichloropropane	8.279	76	2351523	320.733	ug/L		99
71) 1,2-Dibromoethane	8.363	107	1520497	322.052	ug/L		98
72) 2-Hexanone	8.567	43	1134319	322.445	ug/L		95
73) Chlorobenzene	8.756	112	4552180	314.985	ug/L	#	88
74) Ethylbenzene	8.787	91	7311379	314.221	ug/L		93
75) 1,1,1,2-Tetrachloroethane	8.808	131	1818884	322.910	ug/L		95
76) p/m Xylene	8.892	106	5896962	616.133	ug/L		75
77) o Xylene	9.165	106	5615909	625.903	ug/L	#	69
78) Styrene	9.201	104	8653450	583.393	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N11.D
Acq On : 28 Dec 2022 02:00 am
Operator : VOA129:NLK
Sample : I8260STD300PPB
Misc : WG1728525,ICAL19353
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 30 10:36:51 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	9.212	173	1378384	322.762	ug/L		96
82) Isopropylbenzene	9.369	105	7391785	312.805	ug/L		91
84) Bromobenzene	9.595	156	2136716	316.193	ug/L		98
85) n-Propylbenzene	9.621	91	8404181	302.355	ug/L	#	89
86) 1,4-Dichlorobutane	9.621	55	2287450	338.805	ug/L		95
87) 1,1,2,2-Tetrachloroethane	9.668	83	1938174	339.238	ug/L		100
88) 4-Ethyltoluene	9.689	105	7285272	309.614	ug/L		91
89) 2-Chlorotoluene	9.710	91	5178742M6	327.093	ug/L		
90) 1,3,5-Trimethylbenzene	9.742	105	6399630	311.087	ug/L	#	86
91) 1,2,3-Trichloropropane	9.736	75	1507119	331.055	ug/L		98
92) trans-1,4-Dichloro-2-b...	9.768	53	559731	357.475	ug/L	#	61
93) 4-Chlorotoluene	9.810	91	5416576	315.768	ug/L	#	87
94) tert-Butylbenzene	9.930	119	5672455	312.622	ug/L		96
97) 1,2,4-Trimethylbenzene	9.967	105	6341340	312.089	ug/L		88
98) sec-Butylbenzene	10.030	105	7998817	305.491	ug/L		91
99) p-Isopropyltoluene	10.114	119	7111150	305.388	ug/L		94
100) 1,3-Dichlorobenzene	10.156	146	3917793	310.302	ug/L		98
101) 1,4-Dichlorobenzene	10.203	146	3932940	309.205	ug/L		97
102) p-Diethylbenzene	10.324	119	4430000	318.409	ug/L		93
103) n-Butylbenzene	10.355	91	6181910	310.815	ug/L	#	94
104) 1,2-Dichlorobenzene	10.444	146	3761236	313.685	ug/L		97
105) 1,2,4,5-Tetramethylben...	10.780	119	6765507	311.614	ug/L		94
106) 1,2-Dibromo-3-chloropr...	10.895	155	401600	321.367	ug/L		91
107) 1,3,5-Trichlorobenzene	10.916	180	3093107	308.230	ug/L		93
108) Hexachlorobutadiene	11.262	225	1631917	305.237	ug/L		96
109) 1,2,4-Trichlorobenzene	11.278	180	2880081	309.041	ug/L		99
110) Naphthalene	11.451	128	6477488	311.471	ug/L		100
111) 1,2,3-Trichlorobenzene	11.561	180	2752291	314.820	ug/L		99

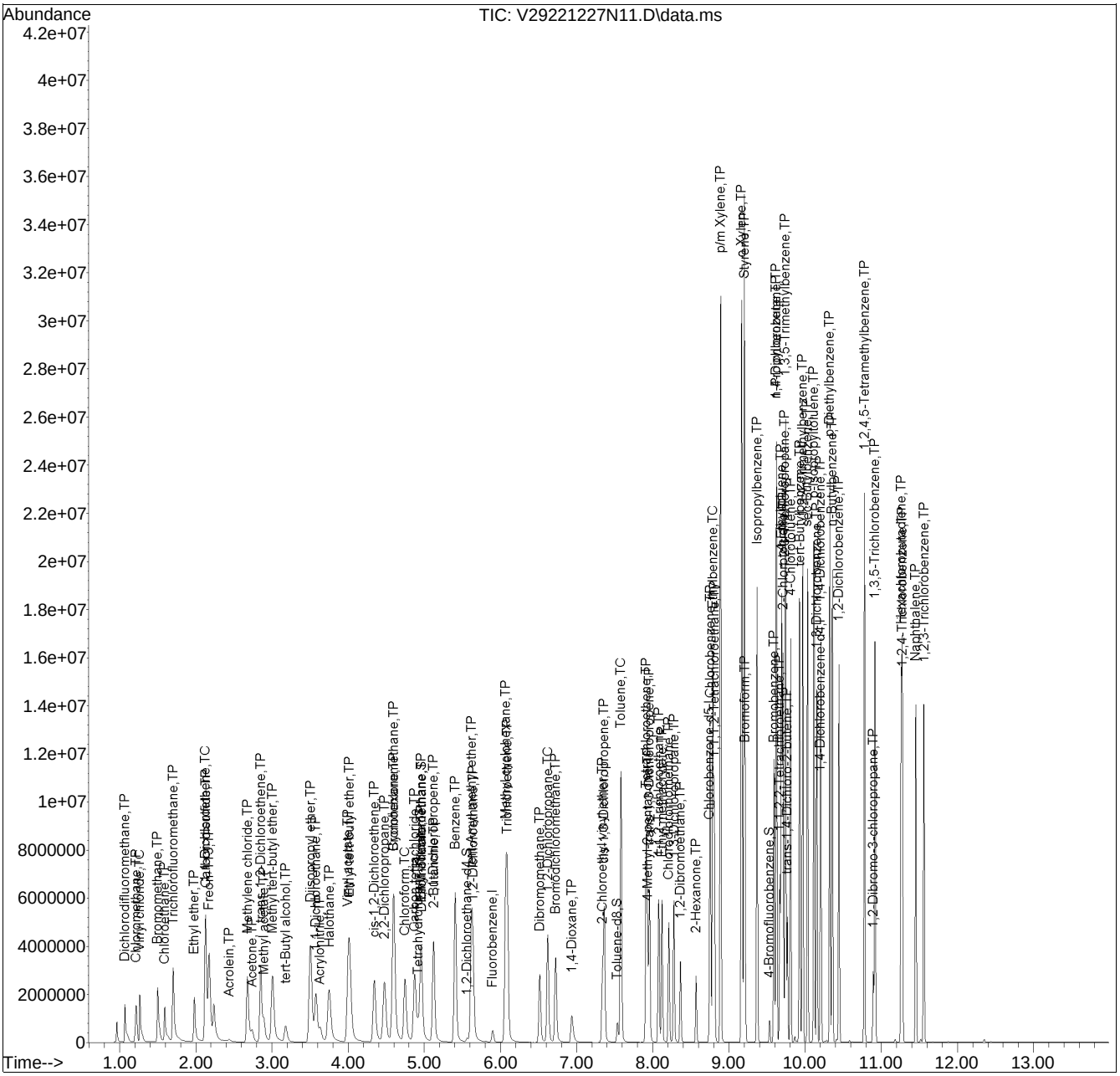
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N11.D
Acq On : 28 Dec 2022 02:00 am
Operator : VOA129:NLK
Sample : I8260STD300PPB
Misc : WG1728525,ICAL19353
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 30 10:36:51 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Dec 28 15:06:40 2022
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox7NICAL\V29221227N08.D•

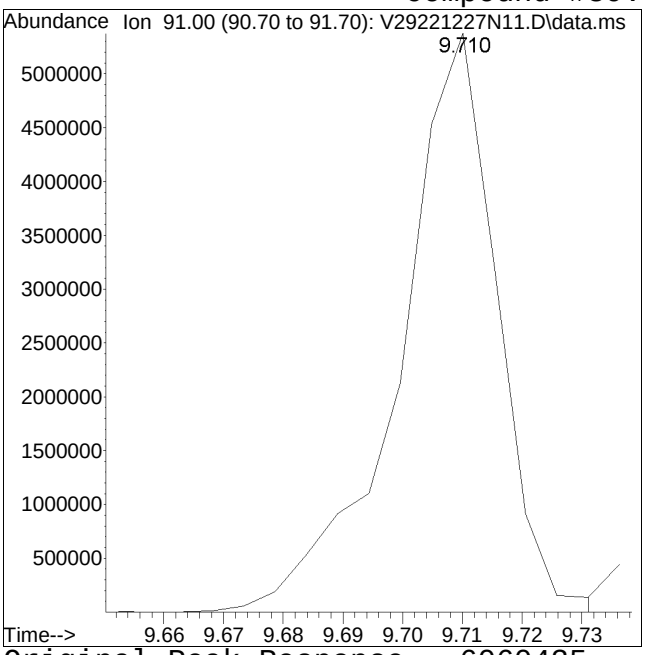


Manual Integration Report

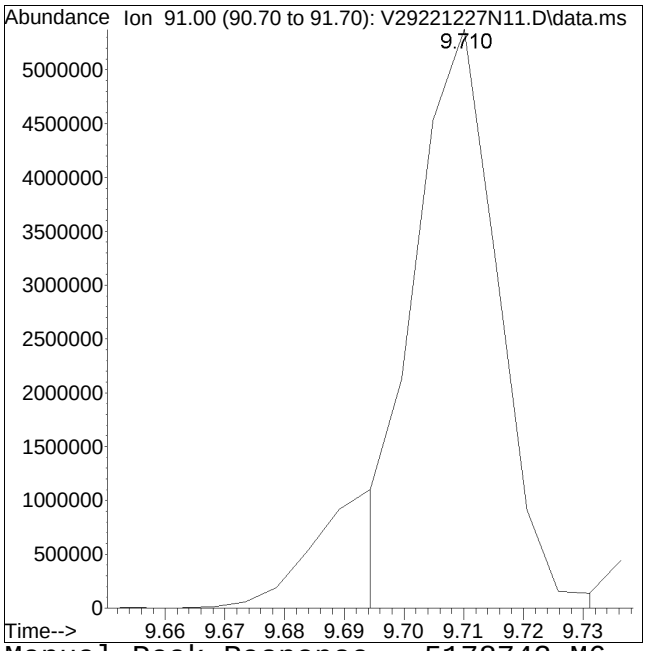
Data Path : I:\VOLATILES\VOA129\2022\2Q
Data File : V29221227N11.D
Date Inj'd : 12/28/2022 2:00 am
Sample : I8260STD300PPB

Method : V129_221227N_8260.m
Operator : VOA129:NLK
Instrument : VOA 129
Quant Date : 12/28/2022 3:08 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 6060435



Manual Peak Response = 5178742 M6

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N16.D
Acq On : 28 Dec 2022 03:43 am
Operator : VOA129:NLK
Sample : C8260STD40PPB
Misc : WG1728525,ICAL19353
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 30 10:37:47 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:21 2022
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	0.172	0.183	-6.4	116	0.00
3	TP	Chloromethane	0.209	0.230	-10.0	108	0.00
4	TC	Vinyl chloride	0.213	0.224	-5.2	104	0.00
5	TP	Bromomethane	* 40.000	43.774	-9.4	111	0.00
6	TP	Chloroethane	0.142	0.148	-4.2	103	0.00
7	TP	Trichlorofluoromethane	0.320	0.339	-5.9	105	0.00
8	TP	Ethyl ether	0.101	0.123	-21.8#	126	0.00
10	TC	1,1-Dichloroethene	0.186	0.185	0.5	97	0.00
11	TP	Carbon disulfide	0.386	0.548	-42.0#	140	0.00
12	TP	Freon-113	0.206	0.212	-2.9	102	0.00
14	TP	Acrolein	0.00849	0.00982#	-15.7	118	0.00
15	TP	Methylene chloride	* 40.000	38.706	3.2	96	0.00
17	TP	Acetone	* 40.000	35.294	11.8	81	0.00
18	TP	trans-1,2-Dichloroethene	0.209	0.198	5.3	94	0.00
19	TP	Methyl acetate	0.132	0.132	0.0	101	0.00
20	TP	Methyl tert-butyl ether	0.492	0.553	-12.4	108	0.00
21	TP	tert-Butyl alcohol	0.030	0.028	6.7	96	0.00
22	TP	Diisopropyl ether	0.641	0.646	-0.8	97	0.00
23	TP	1,1-Dichloroethane	0.341	0.348	-2.1	99	0.00
24	TP	Halothane	0.166	0.175	-5.4	102	0.00
25	TP	Acrylonitrile	0.063	0.064	-1.6	104	0.00
26	TP	Ethyl tert-butyl ether	0.633	0.631	0.3	95	0.00
27	TP	Vinyl acetate	0.436	0.375	14.0	88	0.00
28	TP	cis-1,2-Dichloroethene	0.231	0.220	4.8	93	0.00
29	TP	2,2-Dichloropropane	0.312	0.299	4.2	93	0.00
30	TP	Bromochloromethane	0.119	0.119	0.0	97	0.00
31	TP	Cyclohexane	0.346	0.346	0.0	99	0.00
32	TC	Chloroform	0.370	0.366	1.1	98	0.00
33	TP	Ethyl acetate	0.202	0.203	-0.5	97	0.00
34	TP	Carbon tetrachloride	0.298	0.299	-0.3	98	0.00
35	TP	Tetrahydrofuran	0.069	0.070	-1.4	99	0.00
36	S	Dibromofluoromethane	0.264	0.260	1.5	95	0.00
37	TP	1,1,1-Trichloroethane	0.324	0.338	-4.3	102	0.00
39	TP	2-Butanone	0.094	0.084	10.6	85	0.00
40	TP	1,1-Dichloropropene	0.266	0.274	-3.0	101	0.00
41	TP	Benzene	0.796	0.791	0.6	95	0.00
42	TP	tert-Amyl methyl ether	0.597	0.583	2.3	93	0.00
43	S	1,2-Dichloroethane-d4	0.261	0.258	1.1	98	0.00

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N16.D
Acq On : 28 Dec 2022 03:43 am
Operator : VOA129:NLK
Sample : C8260STD40PPB
Misc : WG1728525,ICAL19353
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 30 10:37:47 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:21 2022
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)
44	TP	1,2-Dichloroethane	0.263	0.261	0.8	97	0.00
47	TP	Methyl cyclohexane	0.372	0.383	-3.0	100	0.00
48	TP	Trichloroethene	0.226	0.225	0.4	97	0.00
50	TP	Dibromomethane	0.134	0.132	1.5	96	0.00
51	TC	1,2-Dichloropropane	0.213	0.210	1.4	95	0.00
53	TP	2-Chloroethyl vinyl ether	0.130	0.137	-5.4	101	0.00
54	TP	Bromodichloromethane	0.285	0.294#	-3.2	96	0.00
57	TP	1,4-Dioxane	0.00245	0.00252#	-2.9	99	0.00
58	TP	cis-1,3-Dichloropropene	0.347	0.349	-0.6	94	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
60	S	Toluene-d8	1.249	1.256	-0.6	96	0.00
61	TC	Toluene	0.657	0.656	0.2	96	0.00
62	TP	4-Methyl-2-pentanone	0.104	0.095	8.7	93	0.00
63	TP	Tetrachloroethene	0.318	0.326	-2.5	97	0.00
65	TP	trans-1,3-Dichloropropene	0.394	0.404	-2.5	96	0.00
67	TP	Ethyl methacrylate	0.323	0.349	-8.0	102	0.00
68	TP	1,1,2-Trichloroethane	0.190	0.193#	-1.6	95	0.00
69	TP	Chlorodibromomethane	0.305	0.319	-4.6	98	0.00
70	TP	1,3-Dichloropropane	0.381	0.388	-1.8	96	0.00
71	TP	1,2-Dibromoethane	0.249	0.251	-0.8	96	0.00
72	TP	2-Hexanone	0.184	0.176	4.3	91	0.00
73	TP	Chlorobenzene	0.764	0.769	-0.7	96	0.00
74	TC	Ethylbenzene	1.234	1.258	-1.9	98	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.286	0.301	-5.2	97	0.00
76	TP	p/m Xylene	0.501	0.509	-1.6	96	0.00
77	TP	o Xylene	0.473	0.504	-6.6	102	0.00
78	TP	Styrene	0.772	0.839	-8.7	102	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
80	TP	Bromoform	0.393	0.413	-5.1	98	0.00
82	TP	Isopropylbenzene	2.263	2.266	-0.1	97	0.00
83	S	4-Bromofluorobenzene	0.825	0.819	0.7	95	0.00
84	TP	Bromobenzene	0.644	0.630	2.2	94	0.00
85	TP	n-Propylbenzene	2.638	2.676	-1.4	97	0.00
86	TP	1,4-Dichlorobutane	0.661	0.697	-5.4	104	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.557	0.539	3.2	95	0.00
88	TP	4-Ethyltoluene	2.233	2.330	-4.3	100	0.00
89	TP	2-Chlorotoluene	1.549	1.495	3.5	95	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N16.D
Acq On : 28 Dec 2022 03:43 am
Operator : VOA129:NLK
Sample : C8260STD40PPB
Misc : WG1728525,ICAL19353
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 30 10:37:47 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:21 2022
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	1.954	1.953	0.1	96	0.00
91 TP	1,2,3-Trichloropropane	0.429	0.425	0.9	94	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.159	0.158	0.6	102	0.00
93 TP	4-Chlorotoluene	1.634	1.605	1.8	94	0.00
94 TP	tert-Butylbenzene	1.733	1.745	-0.7	97	0.00
97 TP	1,2,4-Trimethylbenzene	1.919	1.981	-3.2	98	0.00
98 TP	sec-Butylbenzene	2.491	2.507	-0.6	97	0.00
99 TP	p-Isopropyltoluene	2.191	2.215	-1.1	96	0.00
100 TP	1,3-Dichlorobenzene	1.192	1.196	-0.3	96	0.00
101 TP	1,4-Dichlorobenzene	1.222	1.156	5.4	92	0.00
102 TP	p-Diethylbenzene	1.322	1.291	2.3	94	0.00
103 TP	n-Butylbenzene	1.849	1.923	-4.0	98	0.00
104 TP	1,2-Dichlorobenzene	1.138	1.143	-0.4	96	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.008	2.001	0.3	93	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.118	0.120	-1.7	97	0.00
107 TP	1,3,5-Trichlorobenzene	0.940	0.944	-0.4	95	0.00
108 TP	Hexachlorobutadiene	0.502	0.481	4.2	91	0.00
109 TP	1,2,4-Trichlorobenzene	0.866	0.859	0.8	93	0.00
110 TP	Naphthalene	1.981	1.996	-0.8	97	0.00
111 TP	1,2,3-Trichlorobenzene	0.822	0.817	0.6	94	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 : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N16.D
Acq On : 28 Dec 2022 03:43 am
Operator : VOA129:NLK
Sample : C8260STD40PPB
Misc : WG1728525,ICAL19353
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 30 10:37:47 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:21 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.898	96	455549	20.000	ug/L	0.00
Standard Area 1 = 471521			Recovery = 96.61%			
59) Chlorobenzene-d5	8.745	117	363328	20.000	ug/L	0.00
Standard Area 1 = 381092			Recovery = 95.34%			
79) 1,4-Dichlorobenzene-d4	10.198	152	203690	20.000	ug/L	0.00
Standard Area 1 = 213135			Recovery = 95.57%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.965	113	118229	19.629	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.15%			
43) 1,2-Dichloroethane-d4	5.563	65	117738	19.792	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.96%			
60) Toluene-d8	7.534	98	456445	20.123	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.62%			
83) 4-Bromofluorobenzene	9.532	95	166788	19.855	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.28%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.069	85	166857	42.599	ug/L	98
3) Chloromethane	1.216	50	209768	44.081	ug/L	99
4) Vinyl chloride	1.269	62	204139	42.058	ug/L	93
5) Bromomethane	1.499	94	169447	43.774	ug/L	98
6) Chloroethane	1.594	64	134542	41.629	ug/L	97
7) Trichlorofluoromethane	1.709	101	308539	42.353	ug/L	96
8) Ethyl ether	1.982	74	112194	48.936	ug/L	69
10) 1,1-Dichloroethene	2.128	96	168389	39.687	ug/L #	64
11) Carbon disulfide	2.134	76	499080	56.725	ug/L	96
12) Freon-113	2.176	101	193131	41.257	ug/L	89
14) Acrolein	2.438	56	8947	46.274	ug/L	99
15) Methylene chloride	2.679	84	193915	38.706	ug/L	68
17) Acetone	2.742	43	48083	35.294	ug/L	95
18) trans-1,2-Dichloroethene	2.852	96	180740	37.931	ug/L	73
19) Methyl acetate	2.894	43	120425	40.020	ug/L #	89
20) Methyl tert-butyl ether	3.009	73	503826	44.920	ug/L	92
21) tert-Butyl alcohol	3.177	59	125567	184.838	ug/L #	68
22) Diisopropyl ether	3.507	45	588538	40.323	ug/L #	92
23) 1,1-Dichloroethane	3.581	63	316768	40.756	ug/L	98
24) Halothane	3.754	117	159486	42.148	ug/L	100
25) Acrylonitrile	3.639	53	57864	40.461	ug/L	98

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N16.D
Acq On : 28 Dec 2022 03:43 am
Operator : VOA129:NLK
Sample : C8260STD40PPB
Misc : WG1728525,ICAL19353
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 30 10:37:47 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:21 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.016	59	575142	39.870	ug/L		95
27) Vinyl acetate	4.000	43	341909	34.428	ug/L	#	94
28) cis-1,2-Dichloroethene	4.346	96	200598	38.085	ug/L	#	66
29) 2,2-Dichloropropane	4.477	77	271991	38.258	ug/L		94
30) Bromochloromethane	4.598	128	108050	39.827	ug/L	#	49
31) Cyclohexane	4.598	56	315431	40.008	ug/L	#	64
32) Chloroform	4.745	83	333772	39.577	ug/L		95
33) Ethyl acetate	4.960	43	184916	40.248	ug/L	#	94
34) Carbon tetrachloride	4.876	117	272705	40.163	ug/L		97
35) Tetrahydrofuran	4.928	42	64201	41.008	ug/L	#	70
37) 1,1,1-Trichloroethane	4.960	97	308098	41.781	ug/L	#	94
39) 2-Butanone	5.133	43	76237	35.703	ug/L	#	35
40) 1,1-Dichloropropene	5.122	75	249999	41.230	ug/L		92
41) Benzene	5.405	78	720572	39.744	ug/L		90
42) tert-Amyl methyl ether	5.620	73	530949	39.014	ug/L		88
44) 1,2-Dichloroethane	5.641	62	237362	39.649	ug/L		97
47) Methyl cyclohexane	6.071	83	349176	41.172	ug/L	#	67
48) Trichloroethene	6.092	95	204936	39.752	ug/L		90
50) Dibromomethane	6.517	93	120010	39.446	ug/L	#	86
51) 1,2-Dichloropropane	6.622	63	191069	39.451	ug/L		95
53) 2-Chloroethyl vinyl ether	7.340	63	124791	42.075	ug/L	#	88
54) Bromodichloromethane	6.721	83	267772	41.189	ug/L	#	98
57) 1,4-Dioxane	6.942	88	114957	2057.904	ug/L	#	72
58) cis-1,3-Dichloropropene	7.361	75	318179	40.288	ug/L		90
61) Toluene	7.581	92	476400	39.905	ug/L		97
62) 4-Methyl-2-pentanone	7.933	58	69174	36.681	ug/L	#	96
63) Tetrachloroethene	7.917	166	237121	40.994	ug/L		85
65) trans-1,3-Dichloropropene	7.954	75	293379	41.038	ug/L		94
67) Ethyl methacrylate	8.121	69	253918	43.233	ug/L		98
68) 1,1,2-Trichloroethane	8.079	83	140531	40.621	ug/L		93
69) Chlorodibromomethane	8.210	129	231800	41.890	ug/L		95
70) 1,3-Dichloropropane	8.279	76	282039	40.758	ug/L		99
71) 1,2-Dibromoethane	8.363	107	182628	40.447	ug/L		99
72) 2-Hexanone	8.567	43	128041	38.273	ug/L		97
73) Chlorobenzene	8.756	112	559136	40.297	ug/L	#	86
74) Ethylbenzene	8.787	91	913974	40.760	ug/L		95
75) 1,1,1,2-Tetrachloroethane	8.808	131	218513	42.011	ug/L		96
76) p/m Xylene	8.887	106	739470	81.302	ug/L		90
77) o Xylene	9.165	106	732845	85.280	ug/L		86
78) Styrene	9.201	104	1219935	87.028	ug/L		87

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N16.D
Acq On : 28 Dec 2022 03:43 am
Operator : VOA129:NLK
Sample : C8260STD40PPB
Misc : WG1728525,ICAL19353
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 30 10:37:47 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:21 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2022\221227NICAL\V29221227N08.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	9.207	173	168074	42.000	ug/L		97
82) Isopropylbenzene	9.369	105	923060	40.044	ug/L		93
84) Bromobenzene	9.595	156	256589	39.121	ug/L		97
85) n-Propylbenzene	9.621	91	1089947	40.567	ug/L		92
86) 1,4-Dichlorobutane	9.621	55	283989	42.212	ug/L		94
87) 1,1,2,2-Tetrachloroethane	9.663	83	219563	38.693	ug/L		99
88) 4-Ethyltoluene	9.689	105	949390	41.745	ug/L		93
89) 2-Chlorotoluene	9.705	91	609037M6	38.614	ug/L		
90) 1,3,5-Trimethylbenzene	9.742	105	795512	39.984	ug/L		89
91) 1,2,3-Trichloropropane	9.736	75	173144	39.606	ug/L		97
92) trans-1,4-Dichloro-2-b...	9.762	53	64241	39.573	ug/L	#	61
93) 4-Chlorotoluene	9.804	91	653982	39.303	ug/L	#	87
94) tert-Butylbenzene	9.925	119	711012	40.289	ug/L		97
97) 1,2,4-Trimethylbenzene	9.967	105	807195	41.307	ug/L		91
98) sec-Butylbenzene	10.030	105	1021181	40.257	ug/L		94
99) p-Isopropyltoluene	10.114	119	902166	40.424	ug/L		93
100) 1,3-Dichlorobenzene	10.150	146	487352	40.154	ug/L		97
101) 1,4-Dichlorobenzene	10.203	146	470759	37.815	ug/L		96
102) p-Diethylbenzene	10.323	119	525989	39.066	ug/L		92
103) n-Butylbenzene	10.355	91	783542	41.605	ug/L	#	96
104) 1,2-Dichlorobenzene	10.444	146	465731	40.168	ug/L		96
105) 1,2,4,5-Tetramethylben...	10.780	119	815008	39.854	ug/L		95
106) 1,2-Dibromo-3-chloropr...	10.895	155	49044	40.738	ug/L		93
107) 1,3,5-Trichlorobenzene	10.916	180	384703	40.188	ug/L	#	91
108) Hexachlorobutadiene	11.262	225	195835	38.303	ug/L		96
109) 1,2,4-Trichlorobenzene	11.278	180	350122	39.685	ug/L		99
110) Naphthalene	11.451	128	813307	40.310	ug/L		100
111) 1,2,3-Trichlorobenzene	11.561	180	332666	39.738	ug/L		99

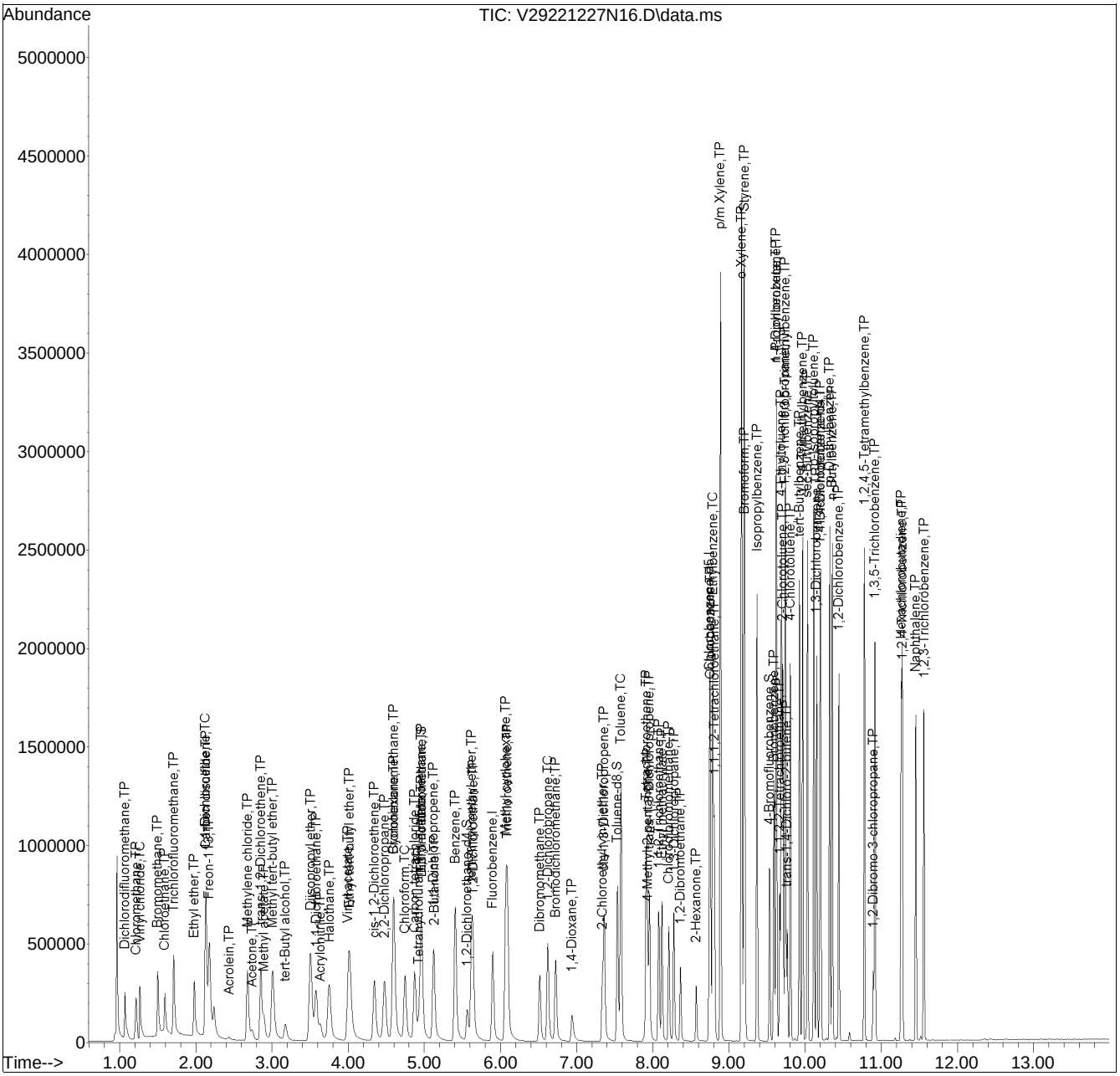
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Data File : V29221227N16.D
Acq On : 28 Dec 2022 03:43 am
Operator : VOA129:NLK
Sample : C8260STD40PPB
Misc : WG1728525,ICAL19353
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 30 10:37:47 2022
Quant Method : I:\VOLATILES\VOA129\2022\221227NICAL\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:21 2022
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox7NICAL\V29221227N08.D•

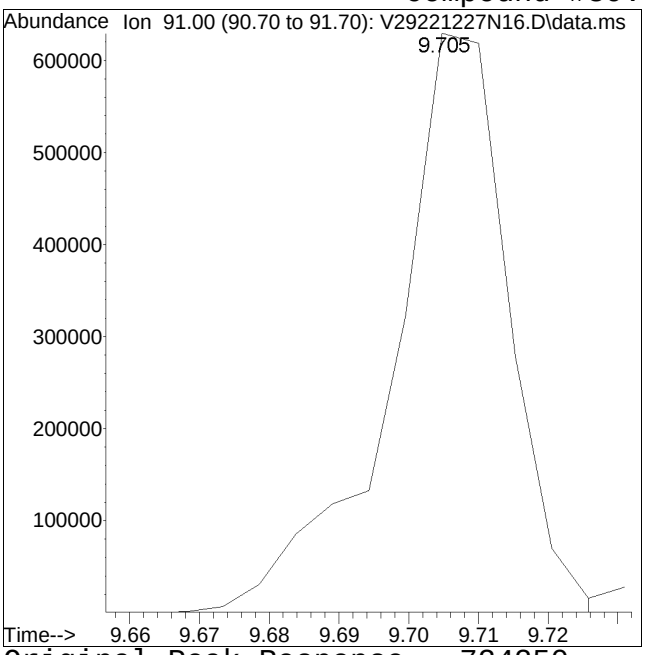


Manual Integration Report

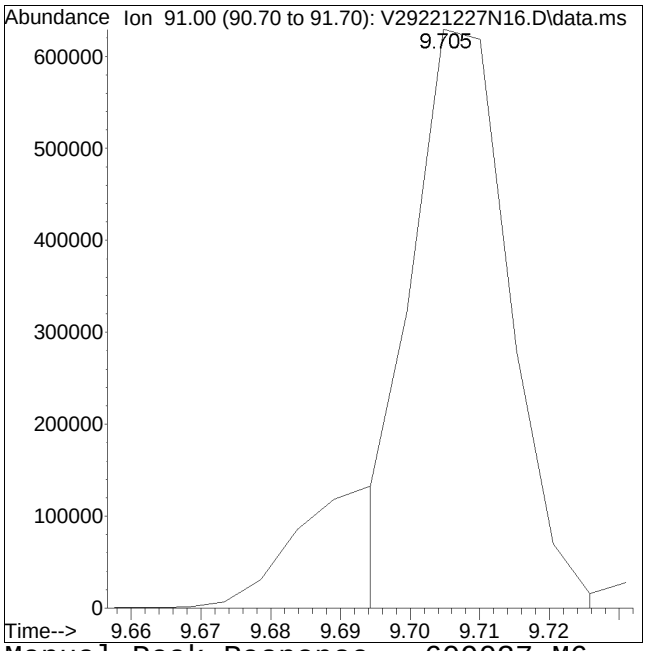
Data Path : I:\VOLATILES\VOA129\2022\2Q
Data File : V29221227N16.D
Date Inj'd : 12/28/2022 3:43 am
Sample : C8260STD40PPB

Method : V129_221227N_8260.m
Operator : VOA129:NLK
Instrument : VOA 129
Quant Date : 12/30/2022 10:37 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 724250



Manual Peak Response = 609037 M6

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

Evaluate Relative Error Report VOA 129

Method Path : I:\VOLATILES\VOA129\2022\221227NICAL\
Method File : V129_221227N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Dec 29 13:02:33 2022

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
5	TP Bromomethane	L	ug/L	40.0	37.843	-5.4	1.00	0.784	-21.6
15	TP Methylene chloride	L	ug/L	40.0	38.879	-2.8	1.00	1.089	8.9
17	TP Acetone	Q	ug/L	40.0	42.364	5.9	1.00	0.886	-11.4

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
5	TP Bromomethane	Linear	0.998212	0.000000	0.167158	0.00609904
15	TP Methylene chloride	Linear	0.999382	0.000000	0.214652	0.0102533
17	TP Acetone	Quadratic	0.994702	0.000302	0.0544341	0.00854844

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387	
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS	
Instrument ID	: GONZO	**Calibration Date**	: 02/17/23 07:40	
Lab File ID	: VG230217A01	**Init. Calib. Date(s)**	: 10/18/22	10/19/22
Sample No	: WG1746138-2	**Init. Calib. Times**	: 22:22	02:43
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	75	0
Dichlorodifluoromethane	0.153	0.13	-	15	20	63	0
Chloromethane	0.202	0.208	-	-3	20	82	0
Vinyl chloride	0.18	0.176	-	2.2	20	72	0
Bromomethane	0.094	0.062	-	34*	20	60	0
Chloroethane	0.051	0.07	-	-37.3*	20	99	0
Trichlorofluoromethane	0.224	0.185	-	17.4	20	66	0
Ethyl ether	0.075	0.072	-	4	20	70	0
1,1-Dichloroethene	0.153	0.134	-	12.4	20	68	0
Carbon disulfide	0.396	0.461	-	-16.4	20	90	0
Freon-113	0.156	0.136	-	12.8	20	64	0
Iodomethane	0.203	0.124	-	38.9*	20	49	0
Acrolein	0.026	0.026	-	0	20	78	0
Methylene chloride	0.176	0.163	-	7.4	20	75	0
Acetone	0.049	0.044	-	10.2	20	68	0
trans-1,2-Dichloroethene	0.162	0.147	-	9.3	20	69	0
Methyl acetate	0.12	0.099	-	17.5	20	66	0
Methyl tert-butyl ether	0.415	0.343	-	17.3	20	63	0
tert-Butyl alcohol	0.01733	0.00958*	-	44.7*	20	42	0
Diisopropyl ether	0.553	0.531	-	4	20	74	0
1,1-Dichloroethane	0.3	0.305	-	-1.7	20	76	-.02
Halothane	0.129	0.112	-	13.2	20	66	0
Acrylonitrile	0.056	0.049	-	12.5	20	68	0
Ethyl tert-butyl ether	0.516	0.457	-	11.4	20	68	0
Vinyl acetate	0.343	0.345	-	-0.6	20	82	0
cis-1,2-Dichloroethene	0.185	0.168*	-	9.2	20	71	0
2,2-Dichloropropane	0.248	0.236	-	4.8	20	70	0
Bromochloromethane	0.079	0.074*	-	6.3	20	70	-.02
Cyclohexane	0.333	0.298	-	10.5	20	67	0
Chloroform	0.291	0.275	-	5.5	20	73	0
Ethyl acetate	0.163	0.141	-	13.5	20	68	0
Carbon tetrachloride	0.219	0.192	-	12.3	20	66	0
Tetrahydrofuran	0.053	0.047	-	11.3	20	69	0
Dibromofluoromethane	0.249	0.247	-	0.8	20	74	0
1,1,1-Trichloroethane	0.25	0.226	-	9.6	20	68	0
2-Butanone	0.08	0.063	-	21.3*	20	63	0
1,1-Dichloropropene	0.227	0.212	-	6.6	20	70	0
Benzene	0.687	0.659	-	4.1	20	73	0
tert-Amyl methyl ether	0.468	0.391	-	16.5	20	64	-.02
1,2-Dichloroethane-d4	0.292	0.318	-	-8.9	20	77	0
1,2-Dichloroethane	0.207	0.2	-	3.4	20	73	0
Methyl cyclohexane	0.345	0.282	-	18.3	20	62	0
Trichloroethene	0.189	0.161*	-	14.8	20	69	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387		
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS		
Instrument ID	: GONZO	**Calibration Date**	: 02/17/23 07:40		
Lab File ID	: VG230217A01	**Init. Calib. Date(s)**	: 10/18/22	10/19/22	
Sample No	: WG1746138-2	**Init. Calib. Times**	: 22:22	02:43	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibromomethane	0.093	0.089	-	4.3	20	72	-.02
1,2-Dichloropropane	0.17	0.17	-	0	20	75	0
Bromodichloromethane	0.226	0.208*	-	8	20	71	-.01
1,4-Dioxane	0.00164	0.00149*	-	9.1	20	64	-.01
cis-1,3-Dichloropropene	0.278	0.251*	-	9.7	20	69	0
Chlorobenzene-d5	1	1	-	0	20	71	0
Toluene-d8	1.29	1.335	-	-3.5	20	74	-.01
Toluene	0.548	0.533	-	2.7	20	70	0
4-Methyl-2-pentanone	0.08	0.063	-	21.3*	20	59	0
Tetrachloroethene	0.244	0.219	-	10.2	20	65	-.01
trans-1,3-Dichloropropene	0.311	0.298*	-	4.2	20	69	-.01
Ethyl methacrylate	0.277	0.233	-	15.9	20	61	-.01
1,1,2-Trichloroethane	0.162	0.15*	-	7.4	20	73	-.01
Chlorodibromomethane	0.209	0.193*	-	7.7	20	69	-.01
1,3-Dichloropropane	0.313	0.311	-	0.6	20	72	-.01
1,2-Dibromoethane	0.18	0.166*	-	7.8	20	68	-.01
2-Hexanone	0.148	0.124	-	16.2	20	64	0
Chlorobenzene	0.594	0.588	-	1	20	71	-.02
Ethylbenzene	1.07	1.04	-	2.8	20	71	-.02
1,1,1,2-Tetrachloroethane	0.21	0.197	-	6.2	20	68	0
p/m Xylene	0.419	0.397	-	5.3	20	68	0
o Xylene	0.397	0.383	-	3.5	20	69	0
Styrene	0.649	0.647	-	0.3	20	71	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	70	-.02
Bromoform	0.258	0.238	-	7.8	20	67	0
Isopropylbenzene	1.813	1.764	-	2.7	20	68	0
4-Bromofluorobenzene	0.883	0.907	-	-2.7	20	72	-.02
Bromobenzene	0.455	0.448	-	1.5	20	69	0
n-Propylbenzene	2.202	2.253	-	-2.3	20	71	0
1,4-Dichlorobutane	0.571	0.599	-	-4.9	20	75	-.02
1,1,2,2-Tetrachloroethane	0.425	0.437	-	-2.8	20	78	0
4-Ethyltoluene	1.826	1.823	-	0.2	20	70	0
2-Chlorotoluene	1.293	1.397	-	-8	20	75	0
1,3,5-Trimethylbenzene	1.581	1.575	-	0.4	20	70	0
1,2,3-Trichloropropane	0.353	0.363	-	-2.8	20	72	-.02
trans-1,4-Dichloro-2-buten	0.127	0.079	-	37.8*	20	46	0
4-Chlorotoluene	1.333	1.405	-	-5.4	20	76	0
tert-Butylbenzene	1.348	1.297	-	3.8	20	67	0
1,2,4-Trimethylbenzene	1.522	1.491	-	2	20	69	0
sec-Butylbenzene	2.02	2	-	1	20	69	-.02
p-Isopropyltoluene	1.733	1.656	-	4.4	20	66	0
1,3-Dichlorobenzene	0.859	0.872	-	-1.5	20	72	0
1,4-Dichlorobenzene	0.867	0.893	-	-3	20	74	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387		
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS		
Instrument ID	: GONZO	**Calibration Date**	: 02/17/23 07:40		
Lab File ID	: VG230217A01	**Init. Calib. Date(s)**	: 10/18/22	10/19/22	
Sample No	: WG1746138-2	**Init. Calib. Times**	: 22:22	02:43	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.028	0.932	-	9.3	20	64	0
n-Butylbenzene	1.479	1.463	-	1.1	20	68	0
1,2-Dichlorobenzene	0.802	0.813	-	-1.4	20	71	-.02
1,2,4,5-Tetramethylbenzene	1.307	1.006	-	23*	20	56	0
1,2-Dibromo-3-chloropropan	0.078	0.059	-	24.4*	20	56	0
1,3,5-Trichlorobenzene	0.634	0.562	-	11.4	20	63	0
Hexachlorobutadiene	0.321	0.271	-	15.6	20	61	0
1,2,4-Trichlorobenzene	0.51	0.396*	-	22.4*	20	56	-.02
Naphthalene	1.011	0.59	-	41.6*	20	42	0
1,2,3-Trichlorobenzene	0.413	0.3*	-	27.4*	20	53	-.02

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387		
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS		
Instrument ID	: VOA129	**Calibration Date**	: 02/20/23 09:04		
Lab File ID	: V29230220A01	**Init. Calib. Date(s)**	: 12/27/22	12/28/22	
Sample No	: WG1747023-2	**Init. Calib. Times**	: 23:14	02:00	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	71	0
Dichlorodifluoromethane	0.172	0.121	-	29.7*	20	57	0
Chloromethane	0.209	0.202	-	3.3	20	70	0
Vinyl chloride	0.213	0.183	-	14.1	20	62	0
Bromomethane	40	37.561	-	6.1	20	71	0
Chloroethane	0.142	0.138	-	2.8	20	71	0
Trichlorofluoromethane	0.32	0.299	-	6.6	20	69	0
Ethyl ether	0.101	0.095	-	5.9	20	72	0
1,1-Dichloroethene	0.186	0.18	-	3.2	20	70	0
Carbon disulfide	0.386	0.572	-	-48.2*	20	108	0
Freon-113	0.206	0.198	-	3.9	20	70	0
Acrolein	0.00849	0.03805	-	-348.2*	20	337	0
Methylene chloride	40	41.638	-	-4.1	20	76	0
Acetone	40	56.758	-	-41.9*	20	94	0
trans-1,2-Dichloroethene	0.209	0.216	-	-3.3	20	76	0
Methyl acetate	0.132	0.149	-	-12.9	20	84	0
Methyl tert-butyl ether	0.492	0.547	-	-11.2	20	79	0
tert-Butyl alcohol	0.03	0.029	-	3.3	20	76	0
Diisopropyl ether	0.641	0.768	-	-19.8	20	85	0
1,1-Dichloroethane	0.341	0.385	-	-12.9	20	81	0
Halothane	0.166	0.166	-	0	20	71	0
Acrylonitrile	0.063	0.07	-	-11.1	20	85	0
Ethyl tert-butyl ether	0.633	0.73	-	-15.3	20	81	0
Vinyl acetate	0.436	0.528	-	-21.1*	20	91	0
cis-1,2-Dichloroethene	0.231	0.243	-	-5.2	20	76	0
2,2-Dichloropropane	0.312	0.331	-	-6.1	20	77	0
Bromochloromethane	0.119	0.125	-	-5	20	76	0
Cyclohexane	0.346	0.379	-	-9.5	20	80	.01
Chloroform	0.37	0.402	-	-8.6	20	79	0
Ethyl acetate	0.202	0.226	-	-11.9	20	80	0
Carbon tetrachloride	0.298	0.307	-	-3	20	74	0
Tetrahydrofuran	0.069	0.077	-	-11.6	20	81	0
Dibromofluoromethane	0.264	0.257	-	2.7	20	70	0
1,1,1-Trichloroethane	0.324	0.341	-	-5.2	20	76	0
2-Butanone	0.094	0.115	-	-22.3*	20	86	0
1,1-Dichloropropene	0.266	0.288	-	-8.3	20	78	0
Benzene	0.796	0.864	-	-8.5	20	77	0
tert-Amyl methyl ether	0.597	0.637	-	-6.7	20	75	0
1,2-Dichloroethane-d4	0.261	0.277	-	-6.1	20	77	0
1,2-Dichloroethane	0.263	0.306	-	-16.3	20	84	0
Methyl cyclohexane	0.372	0.379	-	-1.9	20	73	0
Trichloroethene	0.226	0.247	-	-9.3	20	78	0
Dibromomethane	0.134	0.143	-	-6.7	20	77	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387		
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS		
Instrument ID	: VOA129	**Calibration Date**	: 02/20/23 09:04		
Lab File ID	: V29230220A01	**Init. Calib. Date(s)**	: 12/27/22	12/28/22	
Sample No	: WG1747023-2	**Init. Calib. Times**	: 23:14	02:00	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.213	0.243	-	-14.1	20	82	0
2-Chloroethyl vinyl ether	0.13	0.153	-	-17.7	20	83	0
Bromodichloromethane	0.285	0.315	-	-10.5	20	76	0
1,4-Dioxane	0.00245	0.00242*	-	1.2	20	70	0
cis-1,3-Dichloropropene	0.347	0.379	-	-9.2	20	76	0
Chlorobenzene-d5	1	1	-	0	20	68	0
Toluene-d8	1.249	1.288	-	-3.1	20	71	0
Toluene	0.657	0.733	-	-11.6	20	77	0
4-Methyl-2-pentanone	0.104	0.111	-	-6.7	20	78	0
Tetrachloroethene	0.318	0.357	-	-12.3	20	76	0
trans-1,3-Dichloropropene	0.394	0.447	-	-13.5	20	76	0
Ethyl methacrylate	0.323	0.355	-	-9.9	20	74	0
1,1,2-Trichloroethane	0.19	0.216	-	-13.7	20	76	0
Chlorodibromomethane	0.305	0.324	-	-6.2	20	71	0
1,3-Dichloropropane	0.381	0.437	-	-14.7	20	77	0
1,2-Dibromoethane	0.249	0.271	-	-8.8	20	75	0
2-Hexanone	0.184	0.212	-	-15.2	20	78	0
Chlorobenzene	0.764	0.866	-	-13.4	20	78	0
Ethylbenzene	1.234	1.413	-	-14.5	20	79	0
1,1,1,2-Tetrachloroethane	0.286	0.322	-	-12.6	20	74	0
p/m Xylene	0.501	0.569	-	-13.6	20	77	0
o Xylene	0.473	0.549	-	-16.1	20	79	0
Styrene	0.772	0.928	-	-20.2*	20	81	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	67	0
Bromoform	0.393	0.412	-	-4.8	20	68	0
Isopropylbenzene	2.263	2.612	-	-15.4	20	78	0
4-Bromofluorobenzene	0.825	0.831	-	-0.7	20	68	0
Bromobenzene	0.644	0.729	-	-13.2	20	76	0
n-Propylbenzene	2.638	3.097	-	-17.4	20	79	0
1,4-Dichlorobutane	0.661	0.832	-	-25.9*	20	87	0
1,1,2,2-Tetrachloroethane	0.557	0.607	-	-9	20	75	0
4-Ethyltoluene	2.233	2.623	-	-17.5	20	79	0
2-Chlorotoluene	1.549	1.75	-	-13	20	78	0
1,3,5-Trimethylbenzene	1.954	2.258	-	-15.6	20	78	0
1,2,3-Trichloropropane	0.429	0.494	-	-15.2	20	77	0
trans-1,4-Dichloro-2-buten	0.159	0.204	-	-28.3*	20	92	0
4-Chlorotoluene	1.634	1.916	-	-17.3	20	79	0
tert-Butylbenzene	1.733	1.952	-	-12.6	20	76	0
1,2,4-Trimethylbenzene	1.919	2.247	-	-17.1	20	78	0
sec-Butylbenzene	2.491	2.862	-	-14.9	20	77	0
p-Isopropyltoluene	2.191	2.519	-	-15	20	77	0
1,3-Dichlorobenzene	1.192	1.389	-	-16.5	20	78	0
1,4-Dichlorobenzene	1.222	1.399	-	-14.5	20	78	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA129	**Calibration Date**	: 02/20/23 09:04
Lab File ID	: V29230220A01	**Init. Calib. Date(s)**	: 12/27/22 12/28/22
Sample No	: WG1747023-2	**Init. Calib. Times**	: 23:14 02:00
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.322	1.531	-	-15.8	20	78	0
n-Butylbenzene	1.849	2.248	-	-21.6*	20	80	0
1,2-Dichlorobenzene	1.138	1.307	-	-14.9	20	77	0
1,2,4,5-Tetramethylbenzene	2.008	2.306	-	-14.8	20	75	0
1,2-Dibromo-3-chloropropan	0.118	0.116	-	1.7	20	66	0
1,3,5-Trichlorobenzene	0.94	1.129	-	-20.1*	20	80	0
Hexachlorobutadiene	0.502	0.589	-	-17.3	20	78	0
1,2,4-Trichlorobenzene	0.866	1.043	-	-20.4*	20	79	0
Naphthalene	1.981	2.15	-	-8.5	20	73	0
1,2,3-Trichlorobenzene	0.822	0.976	-	-18.7	20	79	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A01.D
Acq On : 17 Feb 2023 7:40 am
Operator : GONZO:PID
Sample : WG1746138-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 08:12:24 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
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	75	0.00
2	TP	Dichlorodifluoromethane	0.153	0.130	15.0	63	0.00
3	TP	Chloromethane	0.202	0.208	-3.0	82	0.00
4	TC	Vinyl chloride	0.180	0.176	2.2	72	0.00
5	TP	Bromomethane	0.094	0.062	34.0#	60	0.00
6	TP	Chloroethane	0.051	0.070	-37.3#	99	0.00
7	TP	Trichlorofluoromethane	0.224	0.185	17.4	66	0.00
8	TP	Ethyl ether	0.075	0.072	4.0	70	0.00
10	TC	1,1-Dichloroethene	0.153	0.134	12.4	68	0.00
11	TP	Carbon disulfide	0.396	0.461	-16.4	90	0.00
12	TP	Freon-113	0.156	0.136	12.8	64	0.00
13	TP	Iodomethane	0.203	0.124	38.9#	49#	0.00
14	TP	Acrolein	0.026	0.026	0.0	78	0.00
15	TP	Methylene chloride	0.176	0.163	7.4	75	0.00
17	TP	Acetone	0.049	0.044	10.2	68	0.00
18	TP	trans-1,2-Dichloroethene	0.162	0.147	9.3	69	0.00
19	TP	Methyl acetate	0.120	0.099	17.5	66	0.00
20	TP	Methyl tert-butyl ether	0.415	0.343	17.3	63	0.00
21	TP	tert-Butyl alcohol	0.01733	0.00958#	44.7#	42#	0.00
22	TP	Diisopropyl ether	0.553	0.531	4.0	74	0.00
23	TP	1,1-Dichloroethane	0.300	0.305	-1.7	76	-0.02
24	TP	Halothane	0.129	0.112	13.2	66	0.00
25	TP	Acrylonitrile	0.056	0.049	12.5	68	0.00
26	TP	Ethyl tert-butyl ether	0.516	0.457	11.4	68	0.00
27	TP	Vinyl acetate	0.343	0.345	-0.6	82	0.00
28	TP	cis-1,2-Dichloroethene	0.185	0.168#	9.2	71	0.00
29	TP	2,2-Dichloropropane	0.248	0.236	4.8	70	0.00
30	TP	Bromochloromethane	0.079	0.074#	6.3	70	-0.02
31	TP	Cyclohexane	0.333	0.298	10.5	67	0.00
32	TC	Chloroform	0.291	0.275	5.5	73	0.00
33	TP	Ethyl acetate	0.163	0.141	13.5	68	0.00
34	TP	Carbon tetrachloride	0.219	0.192	12.3	66	0.00
35	TP	Tetrahydrofuran	0.053	0.047	11.3	69	0.00
36	S	Dibromofluoromethane	0.249	0.247	0.8	74	0.00
37	TP	1,1,1-Trichloroethane	0.250	0.226	9.6	68	0.00
39	TP	2-Butanone	0.080	0.063	21.3#	63	0.00
40	TP	1,1-Dichloropropene	0.227	0.212	6.6	70	0.00
41	TP	Benzene	0.687	0.659	4.1	73	0.00
42	TP	tert-Amyl methyl ether	0.468	0.391	16.5	64	-0.02

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A01.D
Acq On : 17 Feb 2023 7:40 am
Operator : GONZO:PID
Sample : WG1746138-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 08:12:24 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
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	0.292	0.318	-8.9	77	0.00
44	TP	1,2-Dichloroethane	0.207	0.200	3.4	73	0.00
47	TP	Methyl cyclohexane	0.345	0.282	18.3	62	0.00
48	TP	Trichloroethene	0.189	0.161#	14.8	69	0.00
50	TP	Dibromomethane	0.093	0.089	4.3	72	-0.02
51	TC	1,2-Dichloropropane	0.170	0.170	0.0	75	0.00
54	TP	Bromodichloromethane	0.226	0.208#	8.0	71	-0.01
57	TP	1,4-Dioxane	0.00164	0.00149#	9.1	64	-0.01
58	TP	cis-1,3-Dichloropropene	0.278	0.251#	9.7	69	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	71	0.00
60	S	Toluene-d8	1.290	1.335	-3.5	74	-0.01
61	TC	Toluene	0.548	0.533	2.7	70	0.00
62	TP	4-Methyl-2-pentanone	0.080	0.063	21.3#	59	0.00
63	TP	Tetrachloroethene	0.244	0.219	10.2	65	-0.01
65	TP	trans-1,3-Dichloropropene	0.311	0.298#	4.2	69	-0.01
67	TP	Ethyl methacrylate	0.277	0.233	15.9	61	-0.01
68	TP	1,1,2-Trichloroethane	0.162	0.150#	7.4	73	-0.01
69	TP	Chlorodibromomethane	0.209	0.193#	7.7	69	-0.01
70	TP	1,3-Dichloropropane	0.313	0.311	0.6	72	-0.01
71	TP	1,2-Dibromoethane	0.180	0.166#	7.8	68	-0.01
72	TP	2-Hexanone	0.148	0.124	16.2	64	0.00
73	TP	Chlorobenzene	0.594	0.588	1.0	71	-0.02
74	TC	Ethylbenzene	1.070	1.040	2.8	71	-0.02
75	TP	1,1,1,2-Tetrachloroethane	0.210	0.197	6.2	68	0.00
76	TP	p/m Xylene	0.419	0.397	5.3	68	0.00
77	TP	o Xylene	0.397	0.383	3.5	69	0.00
78	TP	Styrene	0.649	0.647	0.3	71	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	70	-0.02
80	TP	Bromoform	0.258	0.238	7.8	67	0.00
82	TP	Isopropylbenzene	1.813	1.764	2.7	68	0.00
83	S	4-Bromofluorobenzene	0.883	0.907	-2.7	72	-0.02
84	TP	Bromobenzene	0.455	0.448	1.5	69	0.00
85	TP	n-Propylbenzene	2.202	2.253	-2.3	71	0.00
86	TP	1,4-Dichlorobutane	0.571	0.599	-4.9	75	-0.02
87	TP	1,1,2,2-Tetrachloroethane	0.425	0.437	-2.8	78	0.00
88	TP	4-Ethyltoluene	1.826	1.823	0.2	70	0.00
89	TP	2-Chlorotoluene	1.293	1.397	-8.0	75	0.00

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A01.D
Acq On : 17 Feb 2023 7:40 am
Operator : GONZO:PID
Sample : WG1746138-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 08:12:24 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
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	1.581	1.575	0.4	70	0.00
91 TP	1,2,3-Trichloropropane	0.353	0.363	-2.8	72	-0.02
92 TP	trans-1,4-Dichloro-2-butene	0.127	0.079	37.8#	46#	0.00
93 TP	4-Chlorotoluene	1.333	1.405	-5.4	76	0.00
94 TP	tert-Butylbenzene	1.348	1.297	3.8	67	0.00
97 TP	1,2,4-Trimethylbenzene	1.522	1.491	2.0	69	0.00
98 TP	sec-Butylbenzene	2.020	2.000	1.0	69	-0.02
99 TP	p-Isopropyltoluene	1.733	1.656	4.4	66	0.00
100 TP	1,3-Dichlorobenzene	0.859	0.872	-1.5	72	0.00
101 TP	1,4-Dichlorobenzene	0.867	0.893	-3.0	74	0.00
102 TP	p-Diethylbenzene	1.028	0.932	9.3	64	0.00
103 TP	n-Butylbenzene	1.479	1.463	1.1	68	0.00
104 TP	1,2-Dichlorobenzene	0.802	0.813	-1.4	71	-0.02
105 TP	1,2,4,5-Tetramethylbenzene	1.307	1.006	23.0#	56	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.078	0.059	24.4#	56	0.00
107 TP	1,3,5-Trichlorobenzene	0.634	0.562	11.4	63	0.00
108 TP	Hexachlorobutadiene	0.321	0.271	15.6	61	0.00
109 TP	1,2,4-Trichlorobenzene	0.510	0.396#	22.4#	56	-0.02
110 TP	Naphthalene	1.011	0.590	41.6#	42#	0.00
111 TP	1,2,3-Trichlorobenzene	0.413	0.300#	27.4#	53	-0.02

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 13 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A01.D
Acq On : 17 Feb 2023 7:40 am
Operator : GONZO:PID
Sample : WG1746138-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 08:12:24 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.208	96	361440	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.760	117	269855	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.417	152	153692	10.000	ug/L	-0.02
System Monitoring Compounds						
36) Dibromofluoromethane	5.395	113	89234	9.895	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.95%			
43) 1,2-Dichloroethane-d4	5.927	65	115000	10.897	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.97%			
60) Toluene-d8	7.901	98	360187	10.346	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.46%			
83) 4-Bromofluorobenzene	11.225	95	139387	10.276	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.76%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.725	85	47140	8.500	ug/L	100
3) Chloromethane	1.946	50	75311	10.311	ug/L	99
4) Vinyl chloride	2.006	62	63536	9.748	ug/L	99
5) Bromomethane	2.333	94	22371	6.597	ug/L	98
6) Chloroethane	2.432	64	25362	13.695	ug/L	98
7) Trichlorofluoromethane	2.584	101	66925	8.274	ug/L	100
8) Ethyl ether	2.903	74	25959	9.584	ug/L	88
10) 1,1-Dichloroethene	3.100	96	48609	8.772	ug/L	86
11) Carbon disulfide	3.138	76	166784	11.664	ug/L	99
12) Freon-113	3.138	101	49156	8.718	ug/L #	51
13) Iodomethane	3.252	142	44680	6.090	ug/L	95
14) Acrolein	3.442	56	9253	9.759	ug/L	100
15) Methylene chloride	3.678	84	58870	9.265	ug/L	86
17) Acetone	3.723	43	15843	8.877	ug/L	94
18) trans-1,2-Dichloroethene	3.822	96	53298	9.088	ug/L	84
19) Methyl acetate	3.837	43	35904	8.264	ug/L #	90
20) Methyl tert-butyl ether	3.913	73	123896	8.263	ug/L	93
21) tert-Butyl alcohol	4.012	59	17314	27.637	ug/L	92
22) Diisopropyl ether	4.278	45	191863	9.591	ug/L	94
23) 1,1-Dichloroethane	4.415	63	110317	10.161	ug/L	98
24) Halothane	4.468	117	40550	8.705	ug/L	99
25) Acrylonitrile	4.475	53	17638	8.728	ug/L #	91
26) Ethyl tert-butyl ether	4.627	59	165256	8.856	ug/L	87
27) Vinyl acetate	4.650	43	124776	10.074	ug/L	98
28) cis-1,2-Dichloroethene	4.947	96	60771	9.099	ug/L	91

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A01.D
Acq On : 17 Feb 2023 7:40 am
Operator : GONZO:PID
Sample : WG1746138-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 08:12:24 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) 2,2-Dichloropropane	5.045	77	85236	9.518	ug/L		98
30) Bromochloromethane	5.136	128	26768	9.325	ug/L	#	78
31) Cyclohexane	5.136	56	107771	8.953	ug/L		84
32) Chloroform	5.212	83	99536	9.471	ug/L		99
33) Ethyl acetate	5.319	43	51000	8.631	ug/L		97
34) Carbon tetrachloride	5.342	117	69286	8.742	ug/L		99
35) Tetrahydrofuran	5.364	42	17085M6	8.870	ug/L		
37) 1,1,1-Trichloroethane	5.410	97	81860	9.041	ug/L		96
39) 2-Butanone	5.509	43	22837	7.875	ug/L	#	75
40) 1,1-Dichloropropene	5.531	75	76796	9.377	ug/L		96
41) Benzene	5.782	78	238264	9.589	ug/L		97
42) tert-Amyl methyl ether	5.881	73	141475	8.365	ug/L		94
44) 1,2-Dichloroethane	5.995	62	72395	9.676	ug/L		98
47) Methyl cyclohexane	6.367	83	101941	8.164	ug/L	#	82
48) Trichloroethene	6.382	95	58096	8.497	ug/L		94
50) Dibromomethane	6.831	93	32024	9.542	ug/L		94
51) 1,2-Dichloropropane	6.937	63	61404	9.968	ug/L		96
54) Bromodichloromethane	7.005	83	75123	9.201	ug/L		99
57) 1,4-Dioxane	7.213	88	26886	454.878	ug/L	#	88
58) cis-1,3-Dichloropropene	7.700	75	90896	9.060	ug/L		98
61) Toluene	7.965	92	143751	9.728	ug/L		98
62) 4-Methyl-2-pentanone	8.402	58	16987	7.886	ug/L	#	89
63) Tetrachloroethene	8.409	166	59174	8.981	ug/L		98
65) trans-1,3-Dichloropropene	8.452	75	80523	9.595	ug/L		99
67) Ethyl methacrylate	8.631	69	62878	8.398	ug/L		95
68) 1,1,2-Trichloroethane	8.639	83	40517	9.289	ug/L		96
69) Chlorodibromomethane	8.853	129	52183	9.264	ug/L		100
70) 1,3-Dichloropropane	8.961	76	83918	9.948	ug/L		100
71) 1,2-Dibromoethane	9.133	107	44845	9.254	ug/L		100
72) 2-Hexanone	9.419	43	33434	8.348	ug/L		95
73) Chlorobenzene	9.777	112	158704	9.902	ug/L		93
74) Ethylbenzene	9.810	91	280738	9.720	ug/L		96
75) 1,1,1,2-Tetrachloroethane	9.867	131	53208	9.386	ug/L		97
76) p/m Xylene	9.999	106	214401	18.977	ug/L		92
77) o Xylene	10.534	106	206925	19.315	ug/L		91
78) Styrene	10.599	104	349018	19.913	ug/L		94
80) Bromoform	10.632	173	36520	9.194	ug/L		99
82) Isopropylbenzene	10.904	105	271169	9.734	ug/L		98
84) Bromobenzene	11.340	156	68785	9.827	ug/L		98
85) n-Propylbenzene	11.373	91	346219	10.232	ug/L		96
86) 1,4-Dichlorobutane	11.397	55	91998	10.491	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A01.D
Acq On : 17 Feb 2023 7:40 am
Operator : GONZO:PID
Sample : WG1746138-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 08:12:24 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
87) 1,1,2,2-Tetrachloroethane	11.471	83	67147	10.292	ug/L		97
88) 4-Ethyltoluene	11.496	105	280252	9.987	ug/L		97
89) 2-Chlorotoluene	11.545	91	214748M1	10.808	ug/L		
90) 1,3,5-Trimethylbenzene	11.595	105	242105	9.962	ug/L		97
91) 1,2,3-Trichloropropane	11.603	75	55842M1	10.280	ug/L		
92) trans-1,4-Dichloro-2-b...	11.661	53	12071	6.206	ug/L	#	91
93) 4-Chlorotoluene	11.726	91	215989	10.541	ug/L		94
94) tert-Butylbenzene	11.932	119	199409	9.625	ug/L		95
97) 1,2,4-Trimethylbenzene	12.006	105	229213	9.797	ug/L		97
98) sec-Butylbenzene	12.113	105	307453	9.902	ug/L		97
99) p-Isopropyltoluene	12.269	119	254499	9.557	ug/L		98
100) 1,3-Dichlorobenzene	12.343	146	134027	10.148	ug/L		98
101) 1,4-Dichlorobenzene	12.434	146	137275	10.301	ug/L		97
102) p-Diethylbenzene	12.640	119	143170	9.062	ug/L		96
103) n-Butylbenzene	12.697	91	224914	9.897	ug/L		98
104) 1,2-Dichlorobenzene	12.853	146	124883	10.134	ug/L		98
105) 1,2,4,5-Tetramethylben...	13.429	119	154675	7.700	ug/L		95
106) 1,2-Dibromo-3-chloropr...	13.635	155	9125	7.595	ug/L		93
107) 1,3,5-Trichlorobenzene	13.660	180	86388	8.868	ug/L		97
108) Hexachlorobutadiene	14.227	225	41687	8.443	ug/L		98
109) 1,2,4-Trichlorobenzene	14.252	180	60862	7.761	ug/L		100
110) Naphthalene	14.548	128	90710	5.835	ug/L		100
111) 1,2,3-Trichlorobenzene	14.713	180	46144	7.265	ug/L		100

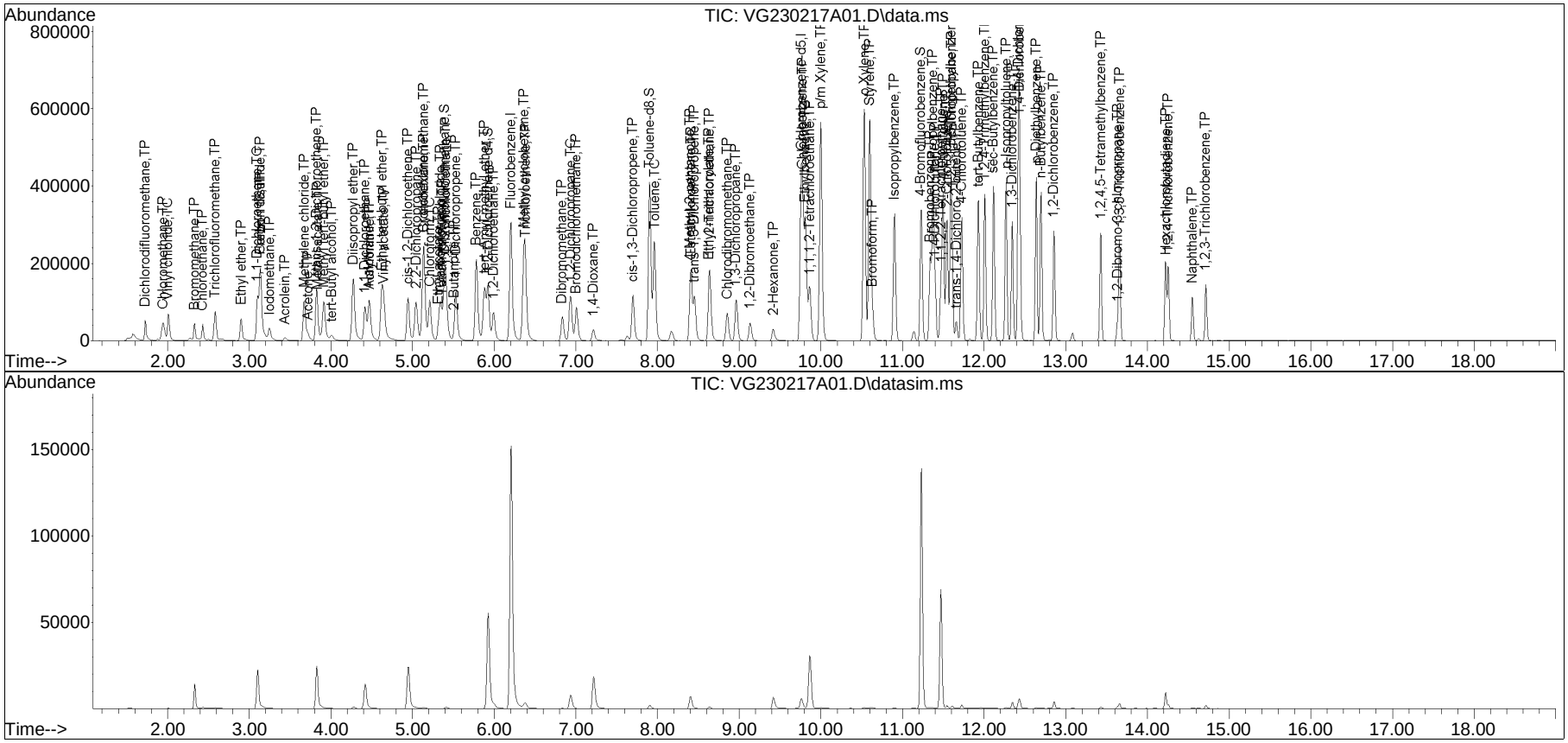
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A01.D
Acq On : 17 Feb 2023 7:40 am
Operator : GONZO:PID
Sample : WG1746138-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 08:12:24 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

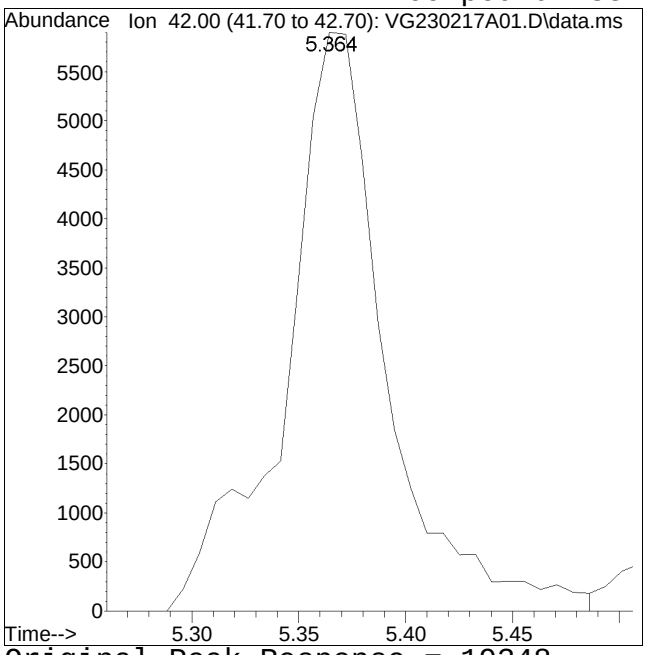
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE



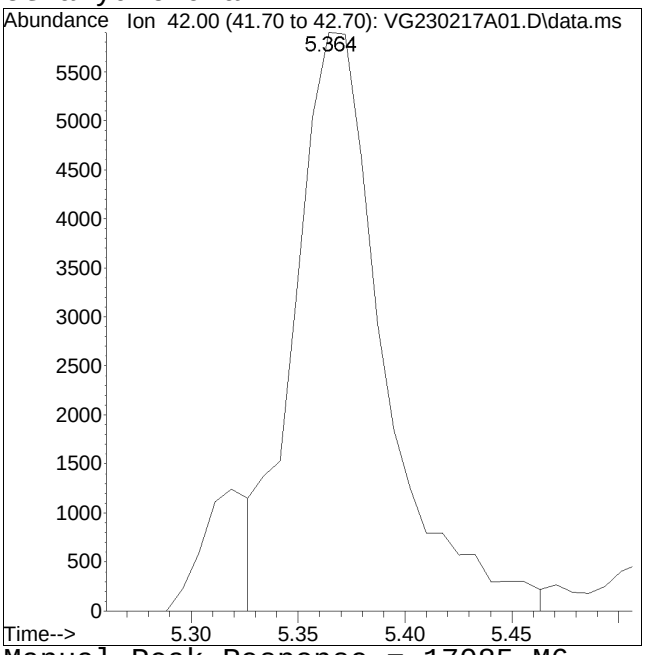
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2023\23QMethod : G_221018N_8260.m
Data File : VG230217A01.D Operator : GONZO:PID
Date Inj'd : 2/17/2023 7:40 am Instrument : Gonzo
Sample : WG1746138-2 Quant Date : 2/17/2023 8:11 am

Compound #35: Tetrahydrofuran



Original Peak Response = 19348



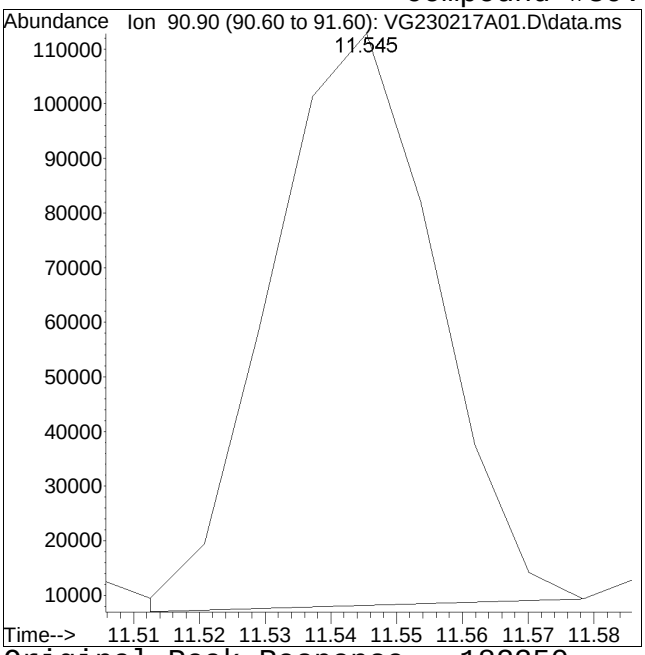
Manual Peak Response = 17085 M6

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

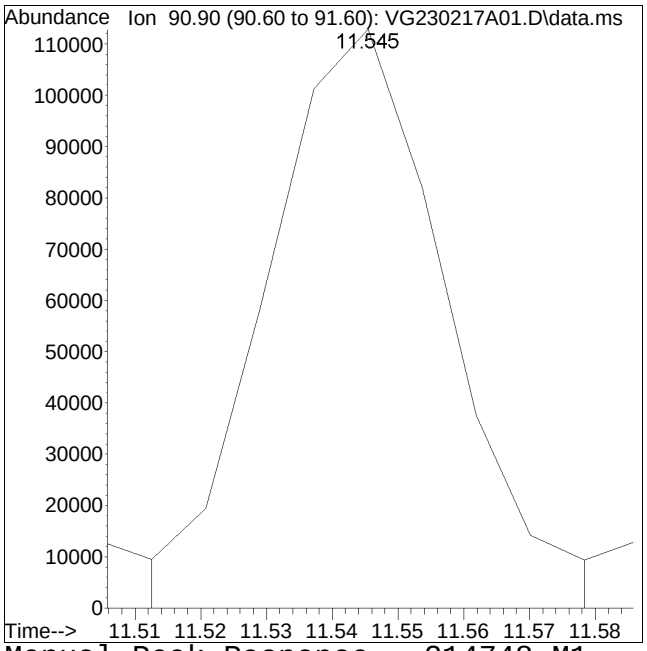
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2023\23QMethod : G_221018N_8260.m
Data File : VG230217A01.D Operator : GONZO:PID
Date Inj'd : 2/17/2023 7:40 am Instrument : Gonzo
Sample : WG1746138-2 Quant Date : 2/17/2023 8:11 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 182350



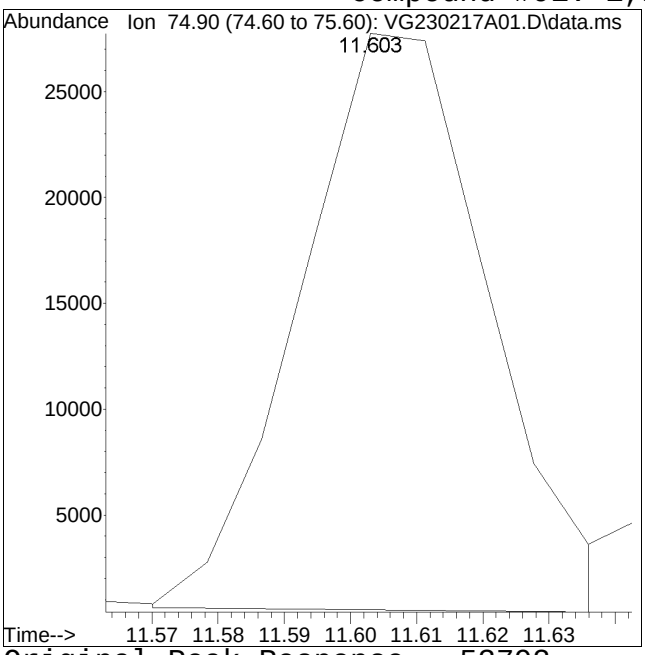
Manual Peak Response = 214748 M1

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

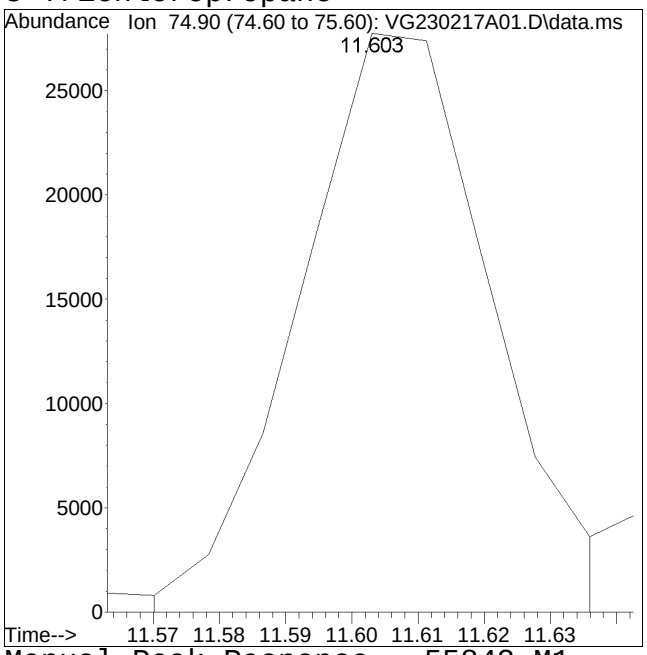
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2023\23QMethod : G_221018N_8260.m
Data File : VG230217A01.D Operator : GONZO:PID
Date Inj'd : 2/17/2023 7:40 am Instrument : Gonzo
Sample : WG1746138-2 Quant Date : 2/17/2023 8:11 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 53792



Manual Peak Response = 55842 M1

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220A01.D
Acq On : 20 Feb 2023 09:04 am
Operator : VOA129:MKS
Sample : WG1747023-2
Misc : WG1747023,ICAL19631
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 20 09:51:22 2023
Quant Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:19 2022
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	71	0.00
2	TP	Dichlorodifluoromethane	0.172	0.121	29.7#	57	0.00
3	TP	Chloromethane	0.209	0.202	3.3	70	0.00
4	TC	Vinyl chloride	0.213	0.183	14.1	62	0.00
5	TP	Bromomethane	* 40.000	37.561	6.1	71	0.00
6	TP	Chloroethane	0.142	0.138	2.8	71	0.00
7	TP	Trichlorofluoromethane	0.320	0.299	6.6	69	0.00
8	TP	Ethyl ether	0.101	0.095	5.9	72	0.00
10	TC	1,1-Dichloroethene	0.186	0.180	3.2	70	0.00
11	TP	Carbon disulfide	0.386	0.572	-48.2#	108	0.00
12	TP	Freon-113	0.206	0.198	3.9	70	0.00
14	TP	Acrolein	0.00849	0.03805	-348.2#	337#	0.00
15	TP	Methylene chloride	* 40.000	41.638	-4.1	76	0.00
17	TP	Acetone	* 40.000	56.758	-41.9#	94	0.00
18	TP	trans-1,2-Dichloroethene	0.209	0.216	-3.3	76	0.00
19	TP	Methyl acetate	0.132	0.149	-12.9	84	0.00
20	TP	Methyl tert-butyl ether	0.492	0.547	-11.2	79	0.00
21	TP	tert-Butyl alcohol	0.030	0.029	3.3	76	0.00
22	TP	Diisopropyl ether	0.641	0.768	-19.8	85	0.00
23	TP	1,1-Dichloroethane	0.341	0.385	-12.9	81	0.00
24	TP	Halothane	0.166	0.166	0.0	71	0.00
25	TP	Acrylonitrile	0.063	0.070	-11.1	85	0.00
26	TP	Ethyl tert-butyl ether	0.633	0.730	-15.3	81	0.00
27	TP	Vinyl acetate	0.436	0.528	-21.1#	91	0.00
28	TP	cis-1,2-Dichloroethene	0.231	0.243	-5.2	76	0.00
29	TP	2,2-Dichloropropane	0.312	0.331	-6.1	77	0.00
30	TP	Bromochloromethane	0.119	0.125	-5.0	76	0.00
31	TP	Cyclohexane	0.346	0.379	-9.5	80	0.01
32	TC	Chloroform	0.370	0.402	-8.6	79	0.00
33	TP	Ethyl acetate	0.202	0.226	-11.9	80	0.00
34	TP	Carbon tetrachloride	0.298	0.307	-3.0	74	0.00
35	TP	Tetrahydrofuran	0.069	0.077	-11.6	81	0.00
36	S	Dibromofluoromethane	0.264	0.257	2.7	70	0.00
37	TP	1,1,1-Trichloroethane	0.324	0.341	-5.2	76	0.00
39	TP	2-Butanone	0.094	0.115	-22.3#	86	0.00
40	TP	1,1-Dichloropropene	0.266	0.288	-8.3	78	0.00
41	TP	Benzene	0.796	0.864	-8.5	77	0.00
42	TP	tert-Amyl methyl ether	0.597	0.637	-6.7	75	0.00
43	S	1,2-Dichloroethane-d4	0.261	0.277	-6.1	77	0.00

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220A01.D
Acq On : 20 Feb 2023 09:04 am
Operator : VOA129:MKS
Sample : WG1747023-2
Misc : WG1747023,ICAL19631
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 20 09:51:22 2023
Quant Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:19 2022
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)
44	TP	1,2-Dichloroethane	0.263	0.306	-16.3	84	0.00
47	TP	Methyl cyclohexane	0.372	0.379	-1.9	73	0.00
48	TP	Trichloroethene	0.226	0.247	-9.3	78	0.00
50	TP	Dibromomethane	0.134	0.143	-6.7	77	0.00
51	TC	1,2-Dichloropropane	0.213	0.243	-14.1	82	0.00
53	TP	2-Chloroethyl vinyl ether	0.130	0.153	-17.7	83	0.00
54	TP	Bromodichloromethane	0.285	0.315	-10.5	76	0.00
57	TP	1,4-Dioxane	0.00245	0.00242#	1.2	70	0.00
58	TP	cis-1,3-Dichloropropene	0.347	0.379	-9.2	76	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	68	0.00
60	S	Toluene-d8	1.249	1.288	-3.1	71	0.00
61	TC	Toluene	0.657	0.733	-11.6	77	0.00
62	TP	4-Methyl-2-pentanone	0.104	0.111	-6.7	78	0.00
63	TP	Tetrachloroethene	0.318	0.357	-12.3	76	0.00
65	TP	trans-1,3-Dichloropropene	0.394	0.447	-13.5	76	0.00
67	TP	Ethyl methacrylate	0.323	0.355	-9.9	74	0.00
68	TP	1,1,2-Trichloroethane	0.190	0.216	-13.7	76	0.00
69	TP	Chlorodibromomethane	0.305	0.324	-6.2	71	0.00
70	TP	1,3-Dichloropropane	0.381	0.437	-14.7	77	0.00
71	TP	1,2-Dibromoethane	0.249	0.271	-8.8	75	0.00
72	TP	2-Hexanone	0.184	0.212	-15.2	78	0.00
73	TP	Chlorobenzene	0.764	0.866	-13.4	78	0.00
74	TC	Ethylbenzene	1.234	1.413	-14.5	79	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.286	0.322	-12.6	74	0.00
76	TP	p/m Xylene	0.501	0.569	-13.6	77	0.00
77	TP	o Xylene	0.473	0.549	-16.1	79	0.00
78	TP	Styrene	0.772	0.928	-20.2#	81	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	67	0.00
80	TP	Bromoform	0.393	0.412	-4.8	68	0.00
82	TP	Isopropylbenzene	2.263	2.612	-15.4	78	0.00
83	S	4-Bromofluorobenzene	0.825	0.831	-0.7	68	0.00
84	TP	Bromobenzene	0.644	0.729	-13.2	76	0.00
85	TP	n-Propylbenzene	2.638	3.097	-17.4	79	0.00
86	TP	1,4-Dichlorobutane	0.661	0.832	-25.9#	87	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.557	0.607	-9.0	75	0.00
88	TP	4-Ethyltoluene	2.233	2.623	-17.5	79	0.00
89	TP	2-Chlorotoluene	1.549	1.750	-13.0	78	0.00

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220A01.D
Acq On : 20 Feb 2023 09:04 am
Operator : VOA129:MKS
Sample : WG1747023-2
Misc : WG1747023,ICAL19631
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 20 09:51:22 2023
Quant Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:19 2022
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	1.954	2.258	-15.6	78	0.00
91 TP	1,2,3-Trichloropropane	0.429	0.494	-15.2	77	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.159	0.204	-28.3#	92	0.00
93 TP	4-Chlorotoluene	1.634	1.916	-17.3	79	0.00
94 TP	tert-Butylbenzene	1.733	1.952	-12.6	76	0.00
97 TP	1,2,4-Trimethylbenzene	1.919	2.247	-17.1	78	0.00
98 TP	sec-Butylbenzene	2.491	2.862	-14.9	77	0.00
99 TP	p-Isopropyltoluene	2.191	2.519	-15.0	77	0.00
100 TP	1,3-Dichlorobenzene	1.192	1.389	-16.5	78	0.00
101 TP	1,4-Dichlorobenzene	1.222	1.399	-14.5	78	0.00
102 TP	p-Diethylbenzene	1.322	1.531	-15.8	78	0.00
103 TP	n-Butylbenzene	1.849	2.248	-21.6#	80	0.00
104 TP	1,2-Dichlorobenzene	1.138	1.307	-14.9	77	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.008	2.306	-14.8	75	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.118	0.116	1.7	66	0.00
107 TP	1,3,5-Trichlorobenzene	0.940	1.129	-20.1#	80	0.00
108 TP	Hexachlorobutadiene	0.502	0.589	-17.3	78	0.00
109 TP	1,2,4-Trichlorobenzene	0.866	1.043	-20.4#	79	0.00
110 TP	Naphthalene	1.981	2.150	-8.5	73	0.00
111 TP	1,2,3-Trichlorobenzene	0.822	0.976	-18.7	79	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220A01.D
Acq On : 20 Feb 2023 09:04 am
Operator : VOA129:MKS
Sample : WG1747023-2
Misc : WG1747023,ICAL19631
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 20 09:51:22 2023
Quant Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:19 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2023\230220A\V29230220A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.898	96	336478	20.000	ug/L	0.00
Standard Area 1 = 336478			Recovery = 100.00%			
59) Chlorobenzene-d5	8.740	117	260372	20.000	ug/L	0.00
Standard Area 1 = 260372			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	10.193	152	142944	20.000	ug/L	0.00
Standard Area 1 = 142944			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.970	113	86510	19.446	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.23%			
43) 1,2-Dichloroethane-d4	5.563	65	93192	21.209	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 106.04%			
60) Toluene-d8	7.534	98	335386	20.633	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.16%			
83) 4-Bromofluorobenzene	9.532	95	118839	20.159	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.79%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.075	85	81646	28.221	ug/L	99
3) Chloromethane	1.216	50	135896	38.663	ug/L	99
4) Vinyl chloride	1.269	62	123015	34.313	ug/L	96
5) Bromomethane	1.505	94	107682	37.561	ug/L	99
6) Chloroethane	1.599	64	92753	38.855	ug/L	96
7) Trichlorofluoromethane	1.714	101	201453	37.439	ug/L	97
8) Ethyl ether	1.982	74	63831	37.694	ug/L	79
10) 1,1-Dichloroethene	2.134	96	120982	38.604	ug/L #	70
11) Carbon disulfide	2.139	76	385110	59.261	ug/L	96
12) Freon-113	2.181	101	133007	38.468	ug/L	91
14) Acrolein	2.438	56	25605	179.291	ug/L	98
15) Methylene chloride	2.684	84	153817	41.638	ug/L	76
17) Acetone	2.742	43	55674	56.758	ug/L	98
18) trans-1,2-Dichloroethene	2.857	96	145571	41.361	ug/L	77
19) Methyl acetate	2.899	43	100501	45.218	ug/L #	93
20) Methyl tert-butyl ether	3.010	73	368163	44.440	ug/L	96
21) tert-Butyl alcohol	3.177	59	99243	197.785	ug/L #	70
22) Diisopropyl ether	3.508	45	517155	47.971	ug/L #	92
23) 1,1-Dichloroethane	3.581	63	258951	45.107	ug/L	97
24) Halothane	3.754	117	111443	39.874	ug/L	98
25) Acrylonitrile	3.639	53	47361	44.836	ug/L	97

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220A01.D
Acq On : 20 Feb 2023 09:04 am
Operator : VOA129:MKS
Sample : WG1747023-2
Misc : WG1747023,ICAL19631
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 20 09:51:22 2023
Quant Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:19 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2023\230220A\V29230220A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.021	59	491010	46.083	ug/L		88
27) Vinyl acetate	4.006	43	355424	48.454	ug/L	#	94
28) cis-1,2-Dichloroethene	4.352	96	163315	41.979	ug/L	#	69
29) 2,2-Dichloropropane	4.483	77	223054	42.477	ug/L		98
30) Bromochloromethane	4.603	128	84301	42.070	ug/L	#	56
31) Cyclohexane	4.603	56	254852	43.763	ug/L		74
32) Chloroform	4.750	83	270629	43.445	ug/L		98
33) Ethyl acetate	4.965	43	152338	44.891	ug/L	#	93
34) Carbon tetrachloride	4.881	117	206663	41.208	ug/L		98
35) Tetrahydrofuran	4.934	42	52117	45.069	ug/L	#	81
37) 1,1,1-Trichloroethane	4.960	97	229295	42.098	ug/L	#	96
39) 2-Butanone	5.133	43	77266	48.989	ug/L	#	48
40) 1,1-Dichloropropene	5.122	75	193544	43.215	ug/L		94
41) Benzene	5.411	78	581663	43.435	ug/L		92
42) tert-Amyl methyl ether	5.621	73	428570	42.635	ug/L		91
44) 1,2-Dichloroethane	5.642	62	206092	46.607	ug/L		96
47) Methyl cyclohexane	6.072	83	254766	40.670	ug/L	#	75
48) Trichloroethene	6.092	95	166053	43.608	ug/L		91
50) Dibromomethane	6.517	93	96246	42.830	ug/L	#	88
51) 1,2-Dichloropropane	6.622	63	163212	45.625	ug/L		95
53) 2-Chloroethyl vinyl ether	7.340	63	102920	46.980	ug/L		93
54) Bromodichloromethane	6.727	83	211936	44.137	ug/L		98
57) 1,4-Dioxane	6.942	88	81332M1	1971.195	ug/L		
58) cis-1,3-Dichloropropene	7.361	75	254767	43.674	ug/L		94
61) Toluene	7.582	92	381787	44.626	ug/L		97
62) 4-Methyl-2-pentanone	7.933	58	57833	42.793	ug/L	#	90
63) Tetrachloroethene	7.917	166	185955	44.860	ug/L		87
65) trans-1,3-Dichloropropene	7.954	75	232690	45.419	ug/L		99
67) Ethyl methacrylate	8.122	69	185031	43.961	ug/L		99
68) 1,1,2-Trichloroethane	8.080	83	112403	45.338	ug/L		94
69) Chlorodibromomethane	8.211	129	168673	42.535	ug/L		97
70) 1,3-Dichloropropane	8.274	76	227724	45.922	ug/L		99
71) 1,2-Dibromoethane	8.363	107	141276	43.661	ug/L		98
72) 2-Hexanone	8.567	43	110424	46.058	ug/L		97
73) Chlorobenzene	8.751	112	450790	45.335	ug/L		88
74) Ethylbenzene	8.787	91	735827	45.792	ug/L		96
75) 1,1,1,2-Tetrachloroethane	8.808	131	167700	44.991	ug/L		96
76) p/m Xylene	8.887	106	592990	90.977	ug/L		94
77) o Xylene	9.165	106	571704	92.835	ug/L		89
78) Styrene	9.196	104	966991	96.261	ug/L		88

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220A01.D
Acq On : 20 Feb 2023 09:04 am
Operator : VOA129:MKS
Sample : WG1747023-2
Misc : WG1747023,ICAL19631
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 20 09:51:22 2023
Quant Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:19 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2023\230220A\V29230220A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80)	Bromoform	9.207	173	117713	41.916	ug/L		96
82)	Isopropylbenzene	9.369	105	746832	46.167	ug/L		95
84)	Bromobenzene	9.590	156	208292	45.253	ug/L		98
85)	n-Propylbenzene	9.621	91	885398	46.958	ug/L		94
86)	1,4-Dichlorobutane	9.621	55	237921	50.393	ug/L		97
87)	1,1,2,2-Tetrachloroethane	9.663	83	173627	43.600	ug/L		99
88)	4-Ethyltoluene	9.689	105	749801	46.980	ug/L		94
89)	2-Chlorotoluene	9.705	91	500431M1	45.212	ug/L		
90)	1,3,5-Trimethylbenzene	9.736	105	645631	46.241	ug/L		89
91)	1,2,3-Trichloropropane	9.736	75	141139	46.005	ug/L		97
92)	trans-1,4-Dichloro-2-b...	9.763	53	58266	51.146	ug/L		88
93)	4-Chlorotoluene	9.805	91	547790	46.911	ug/L		90
94)	tert-Butylbenzene	9.925	119	558172	45.069	ug/L		98
97)	1,2,4-Trimethylbenzene	9.967	105	642527	46.854	ug/L		92
98)	sec-Butylbenzene	10.030	105	818159	45.960	ug/L		95
99)	p-Isopropyltoluene	10.114	119	720058	45.975	ug/L		94
100)	1,3-Dichlorobenzene	10.151	146	397105	46.623	ug/L		98
101)	1,4-Dichlorobenzene	10.203	146	399989	45.784	ug/L		97
102)	p-Diethylbenzene	10.324	119	437631	46.316	ug/L		93
103)	n-Butylbenzene	10.355	91	642739	48.632	ug/L		98
104)	1,2-Dichlorobenzene	10.439	146	373585	45.913	ug/L		97
105)	1,2,4,5-Tetramethylben...	10.775	119	659312	45.942	ug/L		95
106)	1,2-Dibromo-3-chloropr...	10.895	155	33131	39.215	ug/L		92
107)	1,3,5-Trichlorobenzene	10.916	180	322796	48.050	ug/L	#	92
108)	Hexachlorobutadiene	11.262	225	168527	46.969	ug/L		96
109)	1,2,4-Trichlorobenzene	11.273	180	298108	48.149	ug/L		98
110)	Naphthalene	11.451	128	614746	43.417	ug/L		100
111)	1,2,3-Trichlorobenzene	11.556	180	279088	47.505	ug/L		98

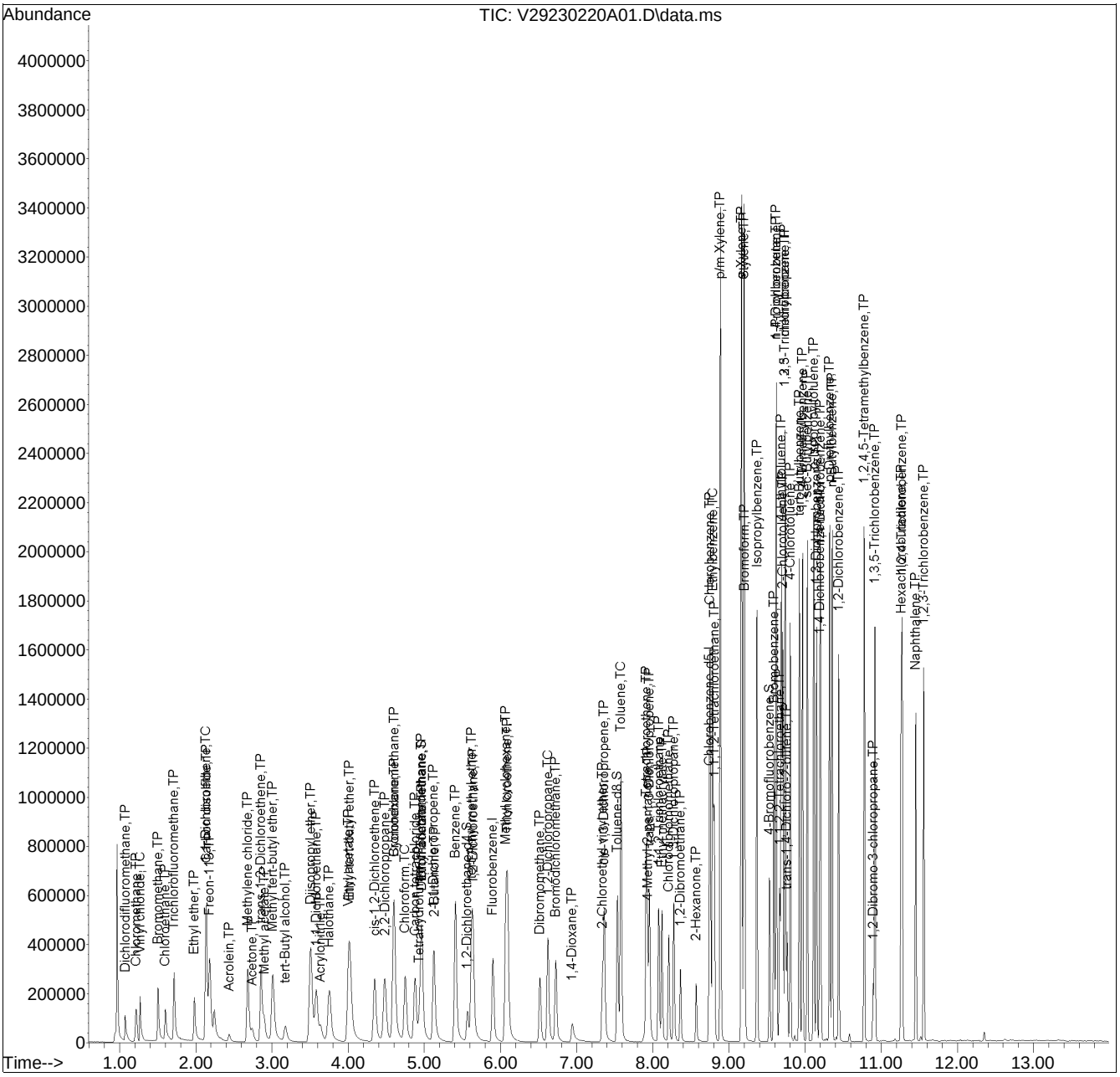
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220A01.D
Acq On : 20 Feb 2023 09:04 am
Operator : VOA129:MKS
Sample : WG1747023-2
Misc : WG1747023,ICAL19631
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 20 09:51:22 2023
Quant Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:19 2022
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox0A\V29230220A01.D•

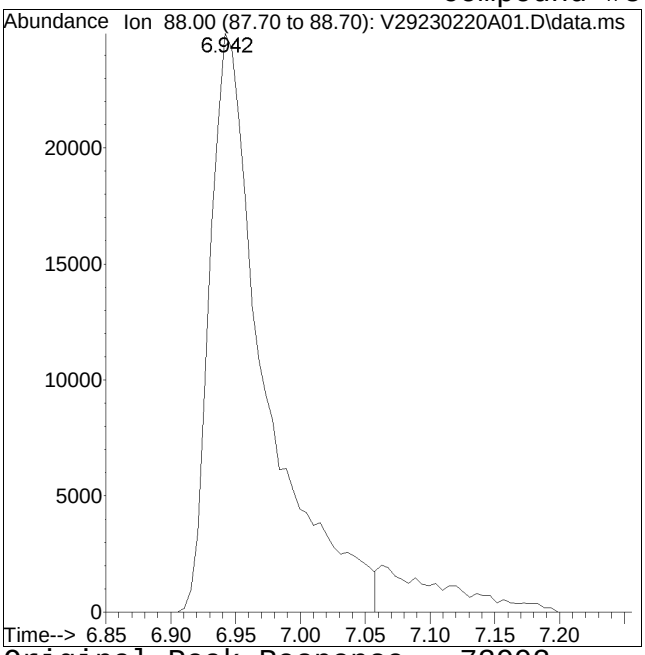


Manual Integration Report

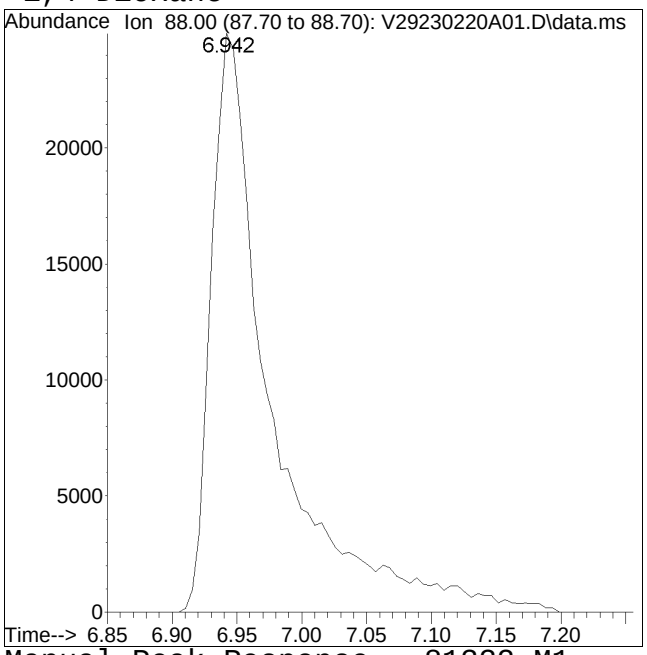
Data Path : I:\VOLATILES\VOA129\2023\2Q
Data File : V29230220A01.D
Date Inj'd : 2/20/2023 9:04 am
Sample : WG1747023-2

Method : V129_221227N_8260.m
Operator : VOA129:MKS
Instrument : VOA 129
Quant Date : 2/20/2023 9:50 am

Compound #57: 1,4-Dioxane



Original Peak Response = 73992



Manual Peak Response = 81332 M1

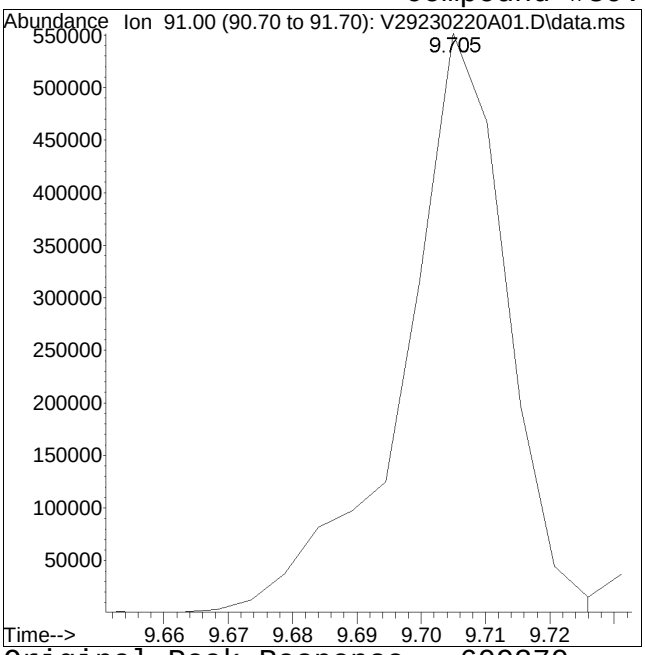
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

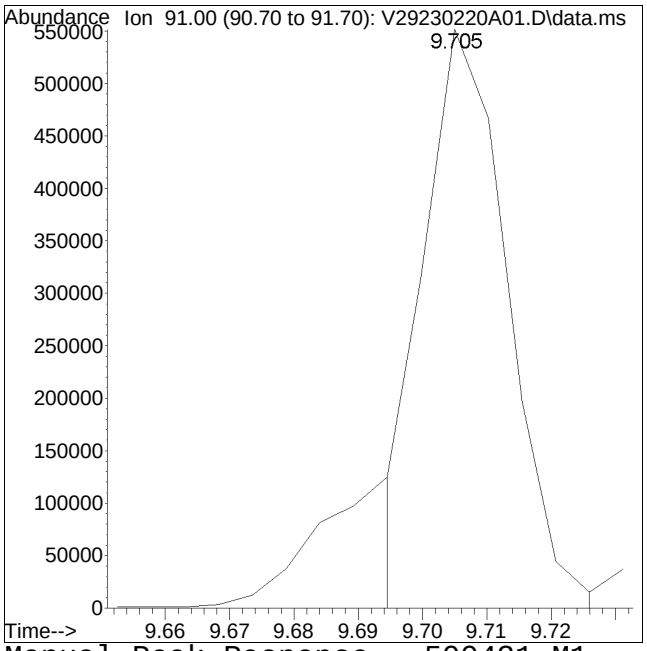
Data Path : I:\VOLATILES\VOA129\2023\2Q
Data File : V29230220A01.D
Date Inj'd : 2/20/2023 9:04 am
Sample : WG1747023-2

Method : V129_221227N_8260.m
Operator : VOA129:MKS
Instrument : VOA 129
Quant Date : 2/20/2023 9:50 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 609370



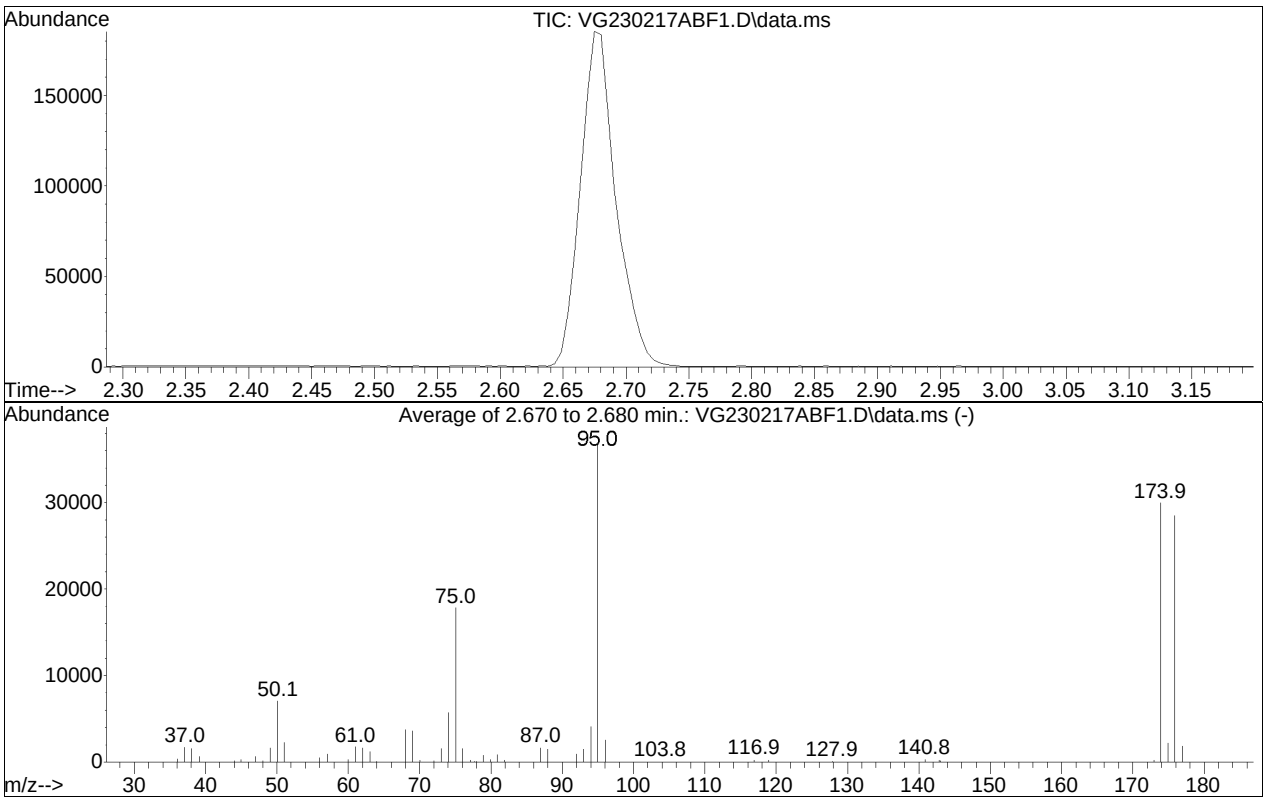
Manual Peak Response = 500431 M1

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

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217ABF1.D
Acq On : 17 Feb 2023 7:25 am
Operator : GONZO:PID
Sample : WG1746138-1
Misc : WG1746138,ICAL19406
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Wed Oct 19 09:56:39 2022



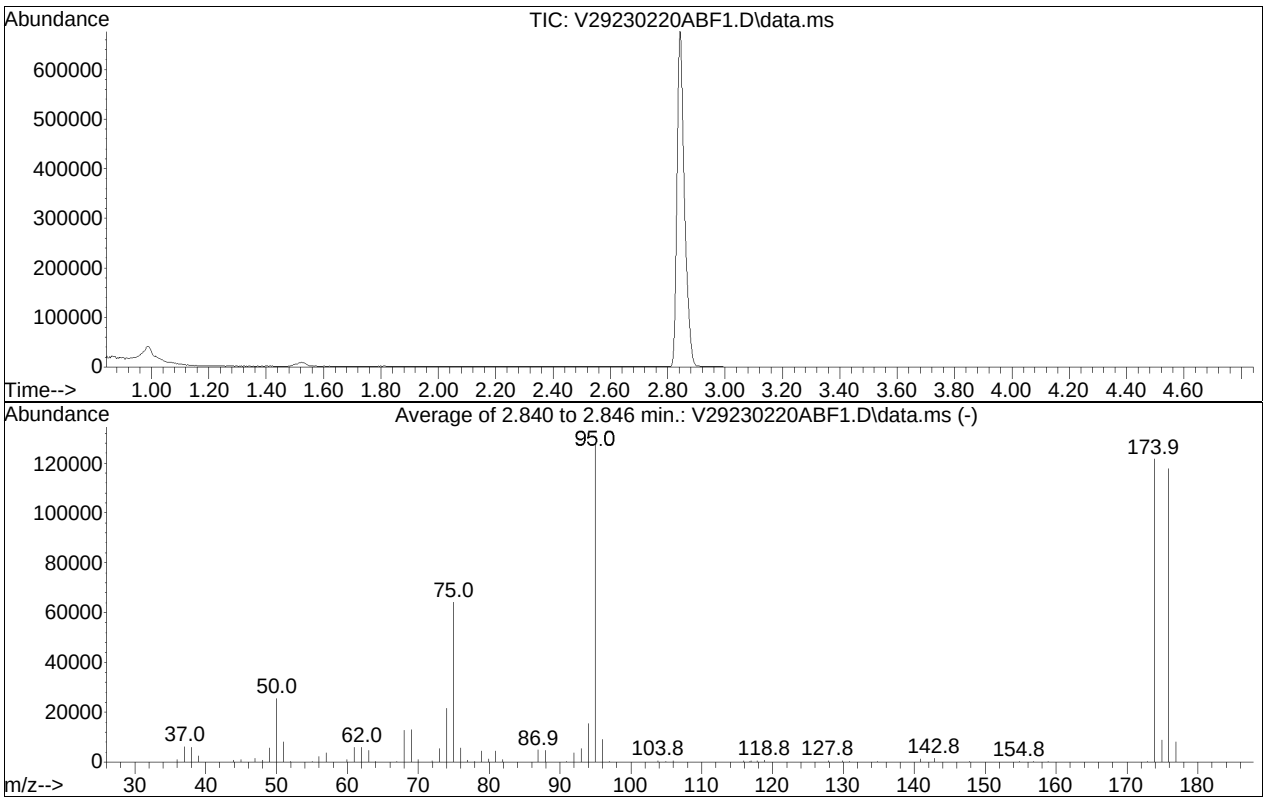
Spectrum Information: Average of 2.670 to 2.680 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	7049	PASS
75	95	30	60	48.3	17832	PASS
95	95	100	100	100.0	36920	PASS
96	95	5	9	7.0	2568	PASS
173	174	0.00	2	0.8	232	PASS
174	95	50	100	81.2	29976	PASS
175	174	5	9	7.5	2241	PASS
176	174	95	101	95.2	28523	PASS
177	176	5	9	6.5	1860	PASS

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220ABF1.D
Acq On : 20 Feb 2023 08:44 am
Operator : VOA129:MKS
Sample : WG1747023-1
Misc : WG1747023
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Dec 30 10:37:19 2022



AutoFind: Scans 808, 809, 810; Background Corrected with Scan 795

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.0	25584	PASS
75	95	30	60	50.0	64173	PASS
95	95	100	100	100.0	128232	PASS
96	95	5	9	7.0	8949	PASS
173	174	0.00	2	0.3	395	PASS
174	95	50	100	95.0	121757	PASS
175	174	5	9	7.4	8968	PASS
176	174	95	101	96.8	117880	PASS
177	176	5	9	6.8	8018	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A05.D
Acq On : 17 Feb 2023 9:24 am
Operator : GONZO:PID
Sample : WG1746138-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 17 09:57:50 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2023\230217A\VG230217A01.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.208	96	311436	10.000	ug/L	0.00
Standard Area 1 = 361440			Recovery = 86.17%			
59) Chlorobenzene-d5	9.769	117	228372	10.000	ug/L	0.00
Standard Area 1 = 269855			Recovery = 84.63%			
79) 1,4-Dichlorobenzene-d4	12.426	152	129307	10.000	ug/L	0.00
Standard Area 1 = 153692			Recovery = 84.13%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.395	113	76980	9.907	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.07%			
43) 1,2-Dichloroethane-d4	5.927	65	97613	10.734	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.34%			
60) Toluene-d8	7.908	98	300574	10.202	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.02%			
83) 4-Bromofluorobenzene	11.233	95	115686	10.137	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.37%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	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	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.746	43	79	N.D.		
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	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	0.000		0	N.D.		

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A05.D
Acq On : 17 Feb 2023 9:24 am
Operator : GONZO:PID
Sample : WG1746138-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 17 09:57:50 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2023\230217A\VG230217A01.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	0.000		0	N.D.		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.	d	
48) Trichloroethene	0.000		0	N.D.	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	0.000		0	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	0.000		0	N.D.		
74) Ethylbenzene	9.826	91	317	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	10.912	105	160	N.D.		
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	11.397	91	537	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	11.529	105	434	N.D.		
89) 2-Chlorotoluene	11.397	91	537	N.D.		
90) 1,3,5-Trimethylbenzene	11.611	105	157	N.D.		
91) 1,2,3-Trichloropropane	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93) 4-Chlorotoluene	11.759	91	171	N.D.		
94) tert-Butylbenzene	11.940	119	248	N.D.		

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A05.D
Acq On : 17 Feb 2023 9:24 am
Operator : GONZO:PID
Sample : WG1746138-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 17 09:57:50 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2023\230217A\VG230217A01.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97)	1,2,4-Trimethylbenzene	12.031	105	618	N.D.			
98)	sec-Butylbenzene	12.130	105	739	N.D.			
99)	p-Isopropyltoluene	12.286	119	843	N.D.			
100)	1,3-Dichlorobenzene	12.360	146	219	N.D.			
101)	1,4-Dichlorobenzene	12.442	146	473	N.D.			
102)	p-Diethylbenzene	12.664	119	424	N.D.			
103)	n-Butylbenzene	12.714	91	1285	N.D.			
104)	1,2-Dichlorobenzene	12.886	146	166	N.D.			
105)	1,2,4,5-Tetramethylben...	13.438	119	762	N.D.			
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
108)	Hexachlorobutadiene	14.227	225	368	0.089	ug/L	#	49
109)	1,2,4-Trichlorobenzene	14.285	180	754	0.114	ug/L	#	84
110)	Naphthalene	14.565	128	2222	0.170	ug/L		100
111)	1,2,3-Trichlorobenzene	14.729	180	802	0.150	ug/L	#	87

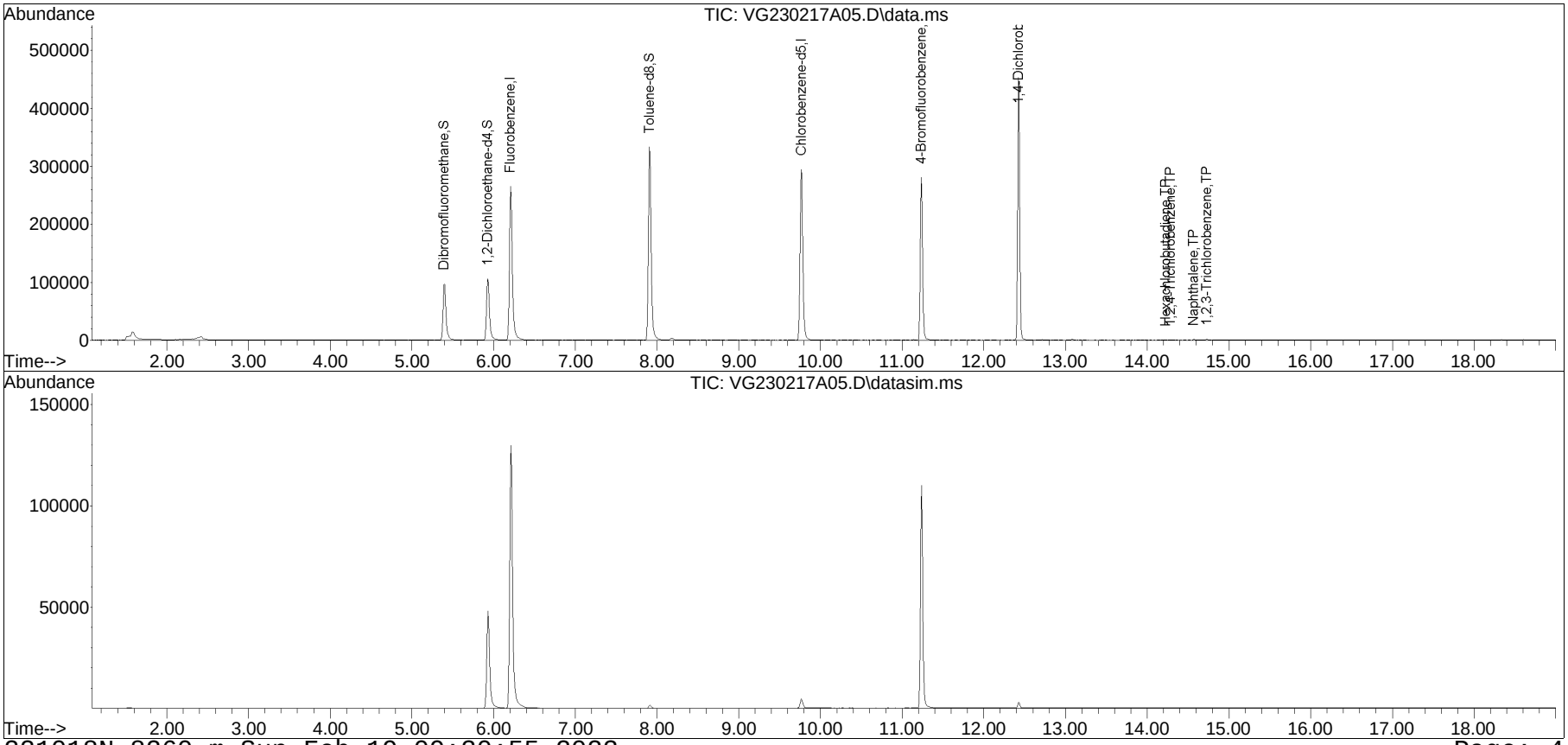
(#) = qualifier out of range (m) = manual integration (+) = signals summed

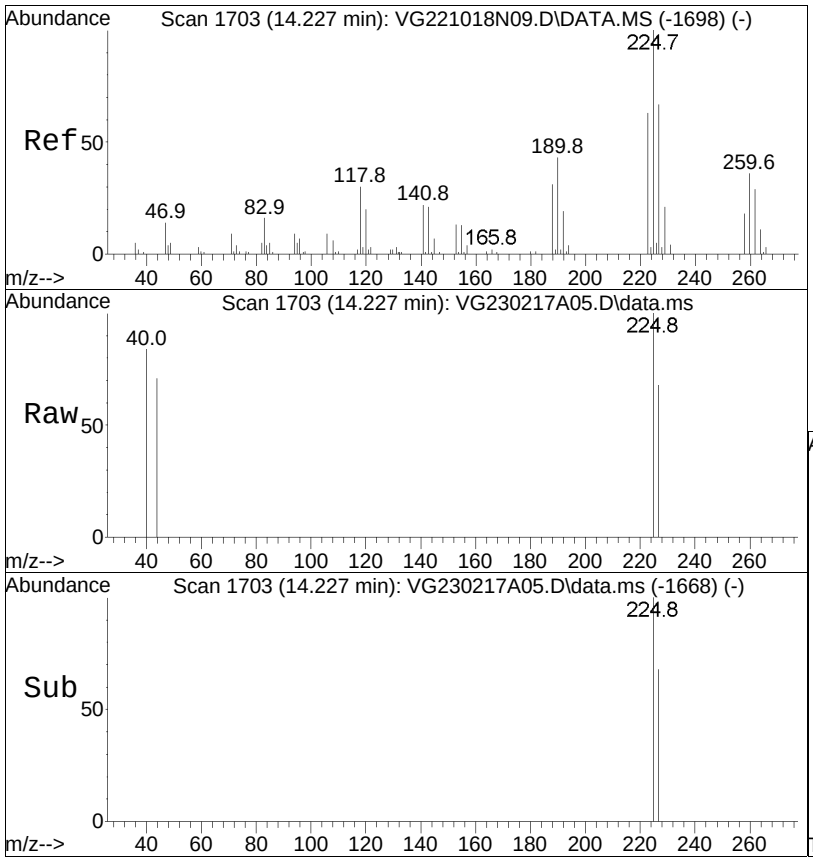
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A05.D
Acq On : 17 Feb 2023 9:24 am
Operator : GONZO:PID
Sample : WG1746138-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 17 09:57:50 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVEG230217A01.D•

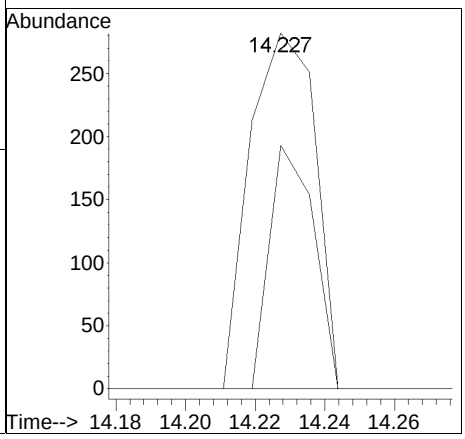


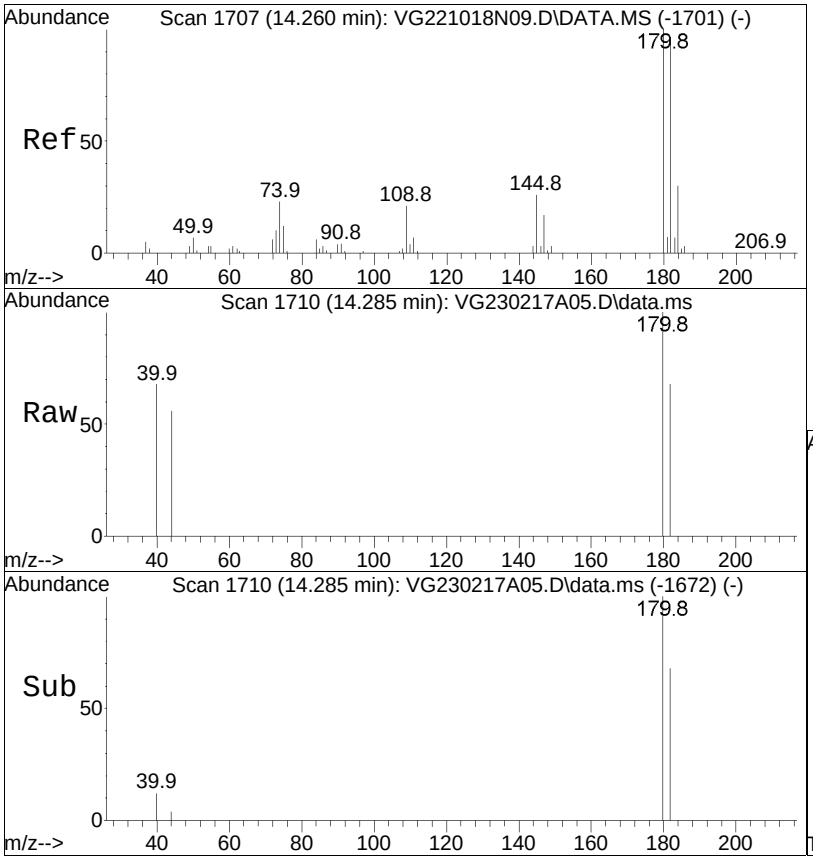


#108
Hexachlorobutadiene
Concen: 0.09 ug/L
RT: 14.227 min Scan# 1703
Delta R.T. -0.009 min
Lab File: VG230217A05.D
Acq: 17 Feb 2023 9:24 am

Tgt Ion:225 Resp: 368

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.1	75.1#
227	46.5	50.2	75.4#

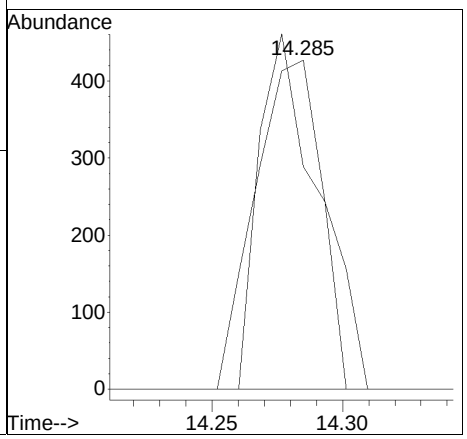


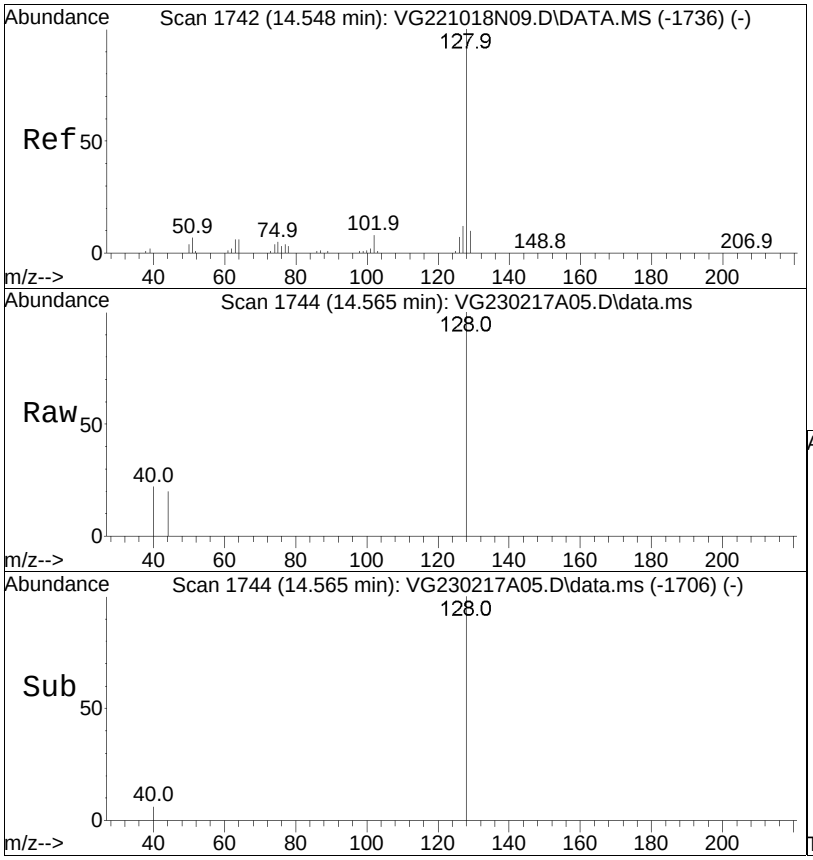


#109
1,2,4-Trichlorobenzene
Concen: 0.11 ug/L
RT: 14.285 min Scan# 1710
Delta R.T. 0.016 min
Lab File: VG230217A05.D
Acq: 17 Feb 2023 9:24 am

Tgt Ion:180 Resp: 754

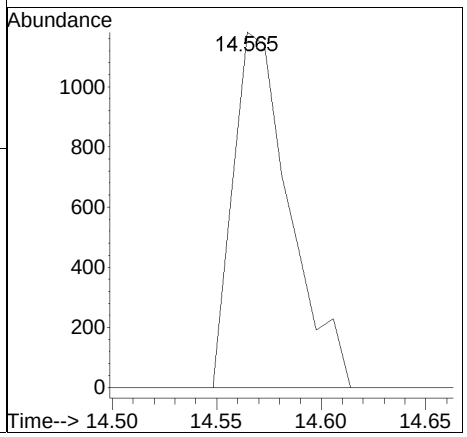
Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.7	115.1
145	0.0	26.5	39.7#

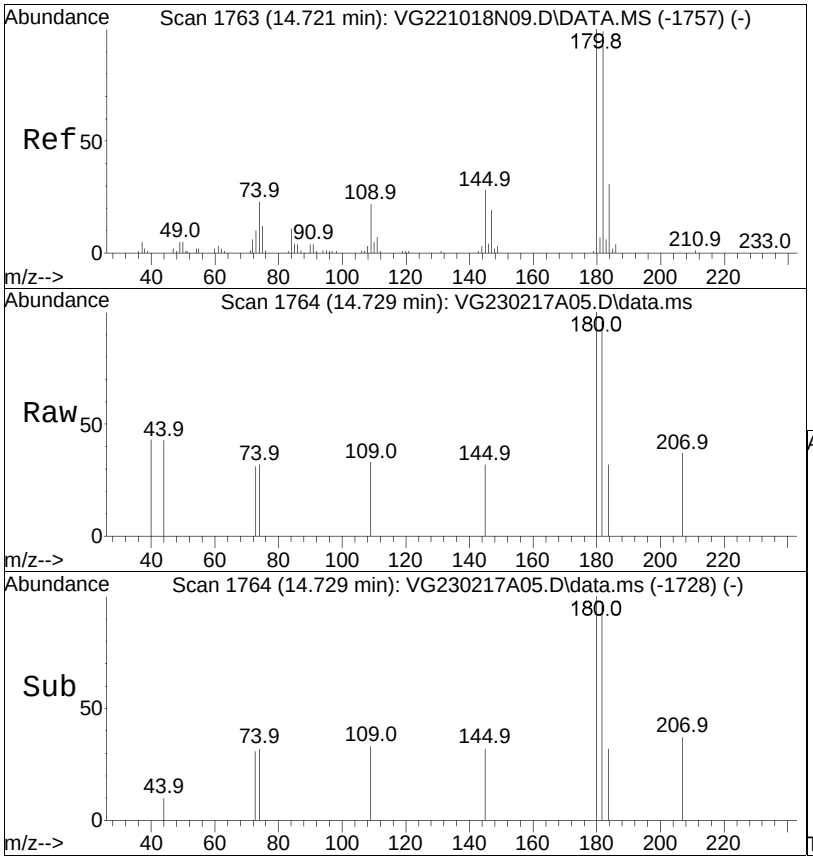




#110
Naphthalene
Concen: 0.17 ug/L
RT: 14.565 min Scan# 1744
Delta R.T. 0.009 min
Lab File: VG230217A05.D
Acq: 17 Feb 2023 9:24 am

Tgt Ion:128 Resp: 2222

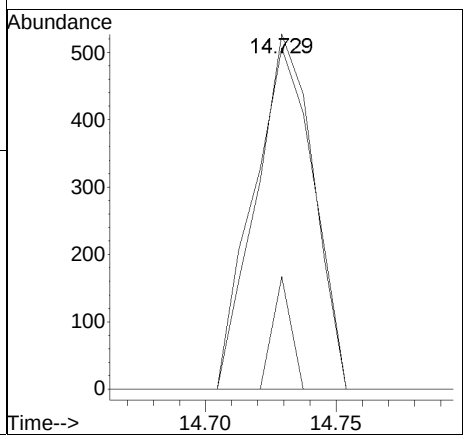




#111
1,2,3-Trichlorobenzene
Concen: 0.15 ug/L
RT: 14.729 min Scan# 1764
Delta R.T. 0.000 min
Lab File: VG230217A05.D
Acq: 17 Feb 2023 9:24 am

Tgt Ion:180 Resp: 802

Ion	Ratio	Lower	Upper
180	100		
182	102.0	77.0	115.4
145	10.2	24.1	36.1#



Manual Integration Report

Data Path	: I:\VOLATILES\Gonzo\2023\23Q	Method	: G_221018N_8260.m
Data File	: VG230217A05.D	Operator	: GONZO:PID
Date Inj'd	: 2/17/2023 9:24 am	Instrument	: Gonzo
Sample	: WG1746138-5,31,10,10	Quant Date	: 2/17/2023 9:57 am

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

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220A05.D
Acq On : 20 Feb 2023 10:27 am
Operator : VOA129:MKS
Sample : WG1747023-5,31,5,5
Misc : WG1747023,ICAL19631
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 20 11:07:21 2023
Quant Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:19 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2023\230220A\V29230220A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.904	96	300670	20.000	ug/L	0.00
Standard Area 1 = 336478			Recovery = 89.36%			
59) Chlorobenzene-d5	8.745	117	237034	20.000	ug/L	0.00
Standard Area 1 = 260372			Recovery = 91.04%			
79) 1,4-Dichlorobenzene-d4	10.192	152	133575	20.000	ug/L	0.00
Standard Area 1 = 142944			Recovery = 93.45%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.976	113	78126	19.653	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.26%			
43) 1,2-Dichloroethane-d4	5.568	65	91192	23.226	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 116.13%			
60) Toluene-d8	7.539	98	308211	20.828	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 104.14%			
83) 4-Bromofluorobenzene	9.532	95	109595	19.895	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.075	85	60	N.D.		
3) Chloromethane	0.000		0	N.D. d		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.510	94	869	Below Cal		88
6) Chloroethane	1.604	64	107	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.128	96	50	N.D.		
11) Carbon disulfide	2.128	76	248	N.D.		
15) Methylene chloride	2.679	84	3069	Below Cal		79
17) Acetone	2.773	43	3117	0.668	ug/L	95
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	3.020	73	49	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	3.953	43	98	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	4.750	83	70	N.D.		

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220A05.D
Acq On : 20 Feb 2023 10:27 am
Operator : VOA129:MKS
Sample : WG1747023-5,31,5,5
Misc : WG1747023,ICAL19631
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 20 11:07:21 2023
Quant Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:19 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2023\230220A\V29230220A01.D
Sub List : 8260-CurveSoil - 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	5.122	43	54	N.D.		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	5.426	78	353	N.D.		
44) 1,2-Dichloroethane	5.657	62	61	N.D.		
48) Trichloroethene	6.098	95	51	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	7.592	92	370	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	7.875	75	315	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.	d	
73) Chlorobenzene	8.751	112	474	N.D.		
74) Ethylbenzene	8.798	91	629	N.D.		
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	8.897	106	293	N.D.		
77) o Xylene	9.165	106	126	N.D.		
78) Styrene	9.217	104	549	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	9.369	105	132	N.D.		
84) Bromobenzene	9.595	156	117	N.D.		
85) n-Propylbenzene	9.626	91	436	N.D.		
87) 1,1,2,2-Tetrachloroethane	9.532	83	114	N.D.		
88) 4-Ethyltoluene	9.694	105	451	N.D.		
89) 2-Chlorotoluene	9.705	91	295	N.D.		
90) 1,3,5-Trimethylbenzene	9.742	105	290	N.D.		
91) 1,2,3-Trichloropropane	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	9.679	53	64	N.D.		
93) 4-Chlorotoluene	9.815	91	586	N.D.		
94) tert-Butylbenzene	9.925	119	139	N.D.		

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220A05.D
Acq On : 20 Feb 2023 10:27 am
Operator : VOA129:MKS
Sample : WG1747023-5,31,5,5
Misc : WG1747023,ICAL19631
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 20 11:07:21 2023
Quant Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:19 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2023\230220A\V29230220A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97)	1,2,4-Trimethylbenzene	9.967	105	376	N.D.			
98)	sec-Butylbenzene	10.030	105	370	N.D.			
99)	p-Isopropyltoluene	10.114	119	343	N.D.			
100)	1,3-Dichlorobenzene	10.156	146	458	N.D.			
101)	1,4-Dichlorobenzene	10.203	146	735	0.090	ug/L	#	1
102)	p-Diethylbenzene	10.329	119	134	N.D.			
103)	n-Butylbenzene	10.360	91	462	N.D.			
104)	1,2-Dichlorobenzene	10.449	146	434	N.D.			
105)	1,2,4,5-Tetramethylben...	10.780	119	404	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	11.278	180	464	0.080	ug/L		89
110)	Naphthalene	11.456	128	2572	0.194	ug/L		100
111)	1,2,3-Trichlorobenzene	11.561	180	486	0.089	ug/L	#	83

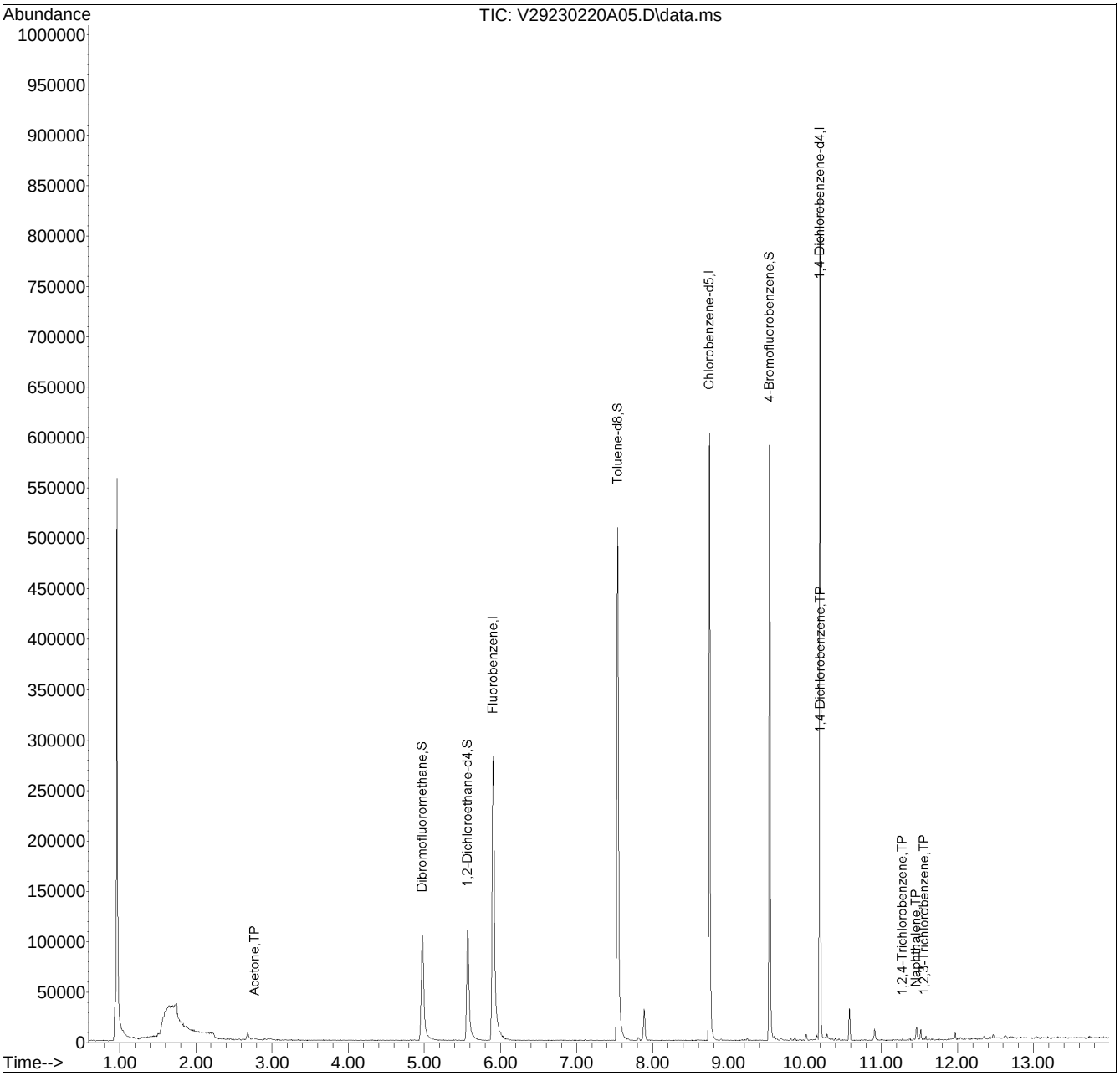
(#) = qualifier out of range (m) = manual integration (+) = signals summed

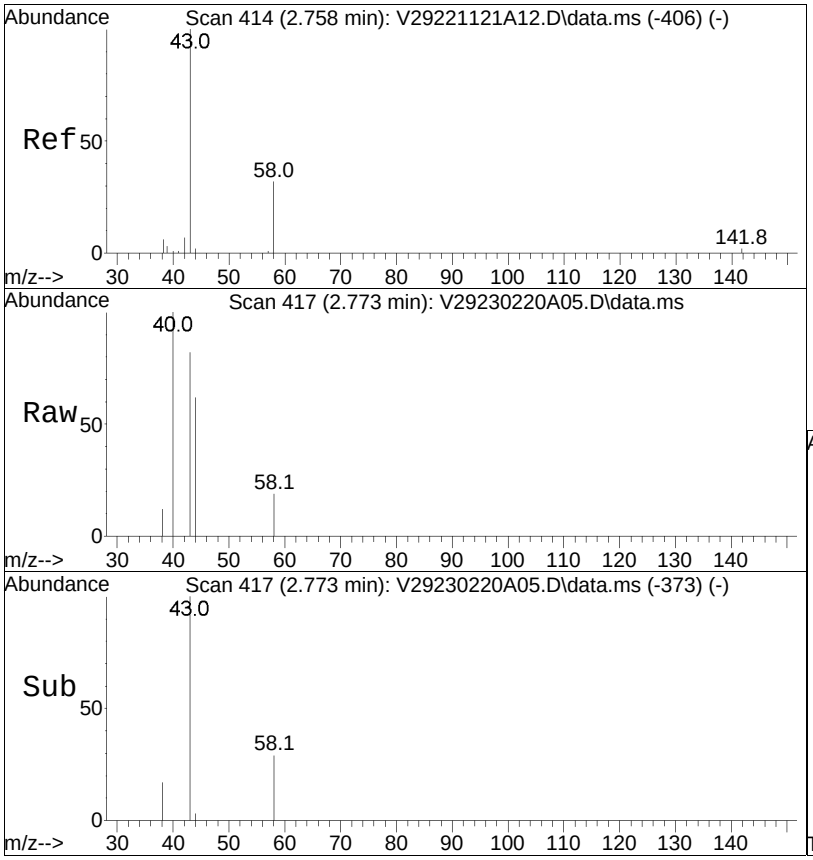
Quantitation Report (QT/LSC Reviewed)

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220A05.D
Acq On : 20 Feb 2023 10:27 am
Operator : VOA129:MKS
Sample : WG1747023-5,31,5,5
Misc : WG1747023,ICAL19631
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 20 11:07:21 2023
Quant Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:19 2022
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox0A\V29230220A01.D•

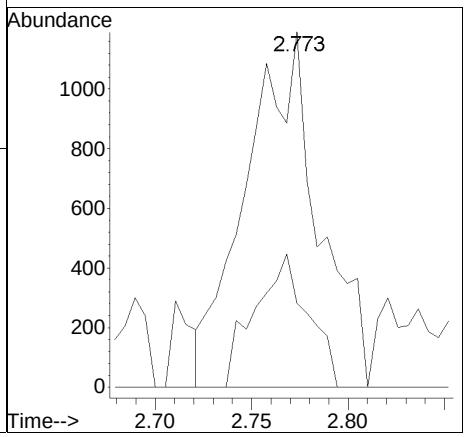


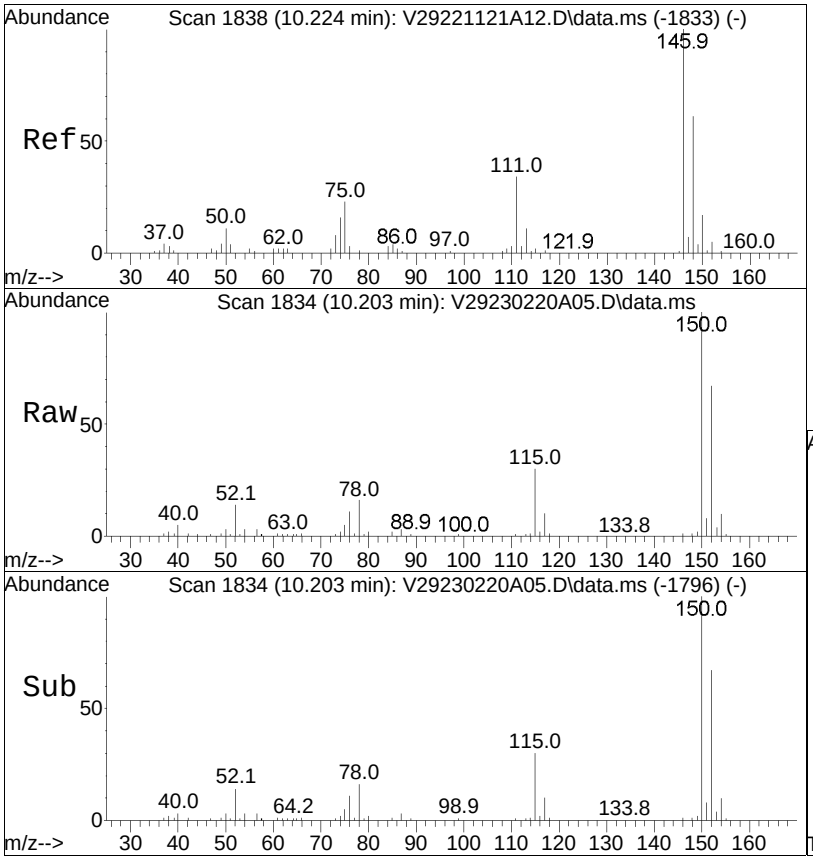


#17
Acetone
Concen: 0.67 ug/L
RT: 2.773 min Scan# 417
Delta R.T. 0.031 min
Lab File: V29230220A05.D
Acq: 20 Feb 2023 10:27 am

Tgt Ion: 43 Resp: 3117

Ion	Ratio	Lower	Upper
43	100		
58	27.5	24.2	36.4

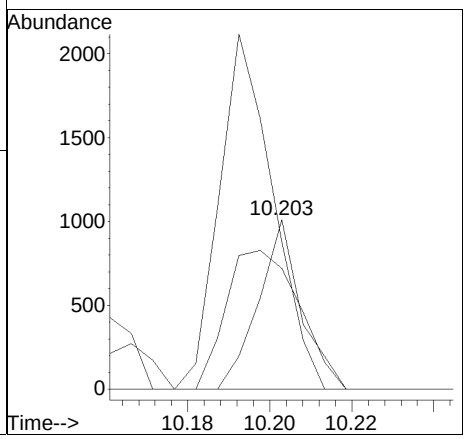


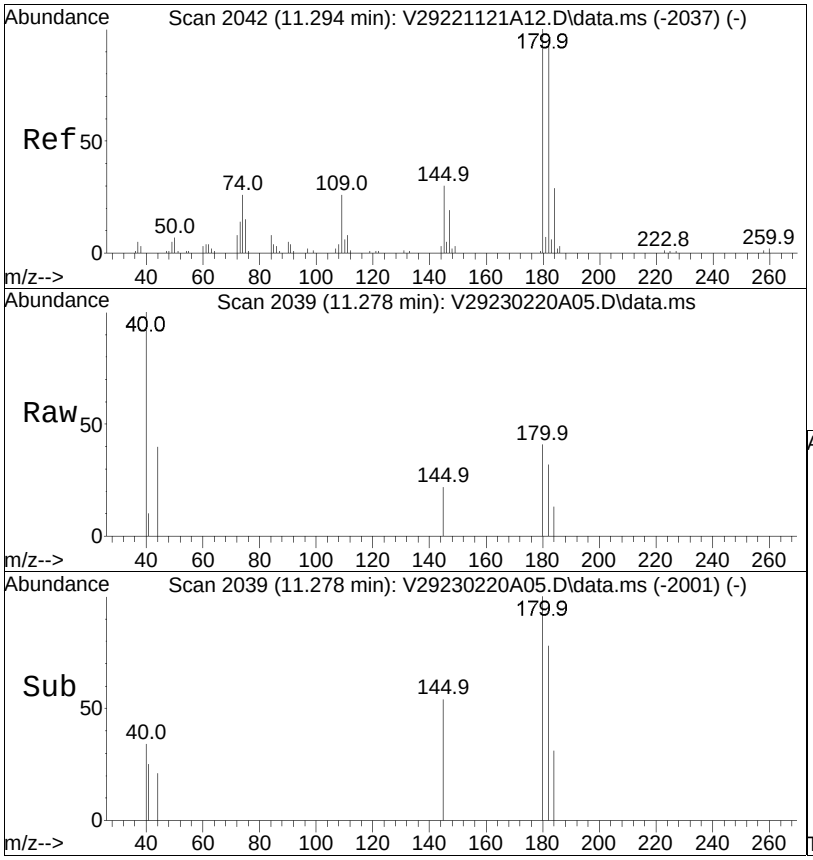


#101
1,4-Dichlorobenzene
Concen: 0.09 ug/L
RT: 10.203 min Scan# 1834
Delta R.T. -0.000 min
Lab File: V29230220A05.D
Acq: 20 Feb 2023 10:27 am

Tgt Ion:146 Resp: 735

Ion	Ratio	Lower	Upper
146	100		
111	262.3	32.3	48.5#
148	139.9	49.9	74.9#

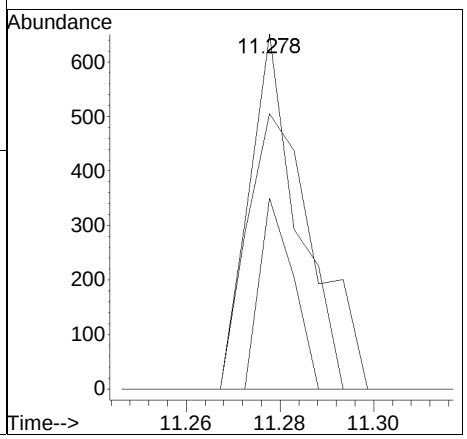


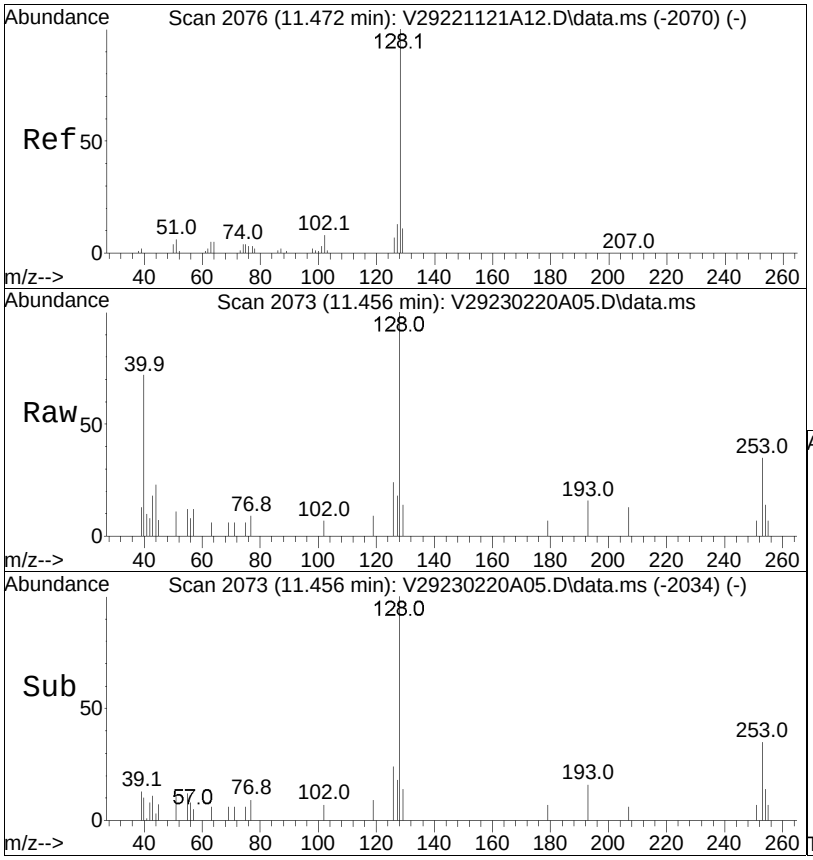


#109
1,2,4-Trichlorobenzene
Concen: 0.08 ug/L
RT: 11.278 min Scan# 2039
Delta R.T. -0.000 min
Lab File: V29230220A05.D
Acq: 20 Feb 2023 10:27 am

Tgt Ion:180 Resp: 464

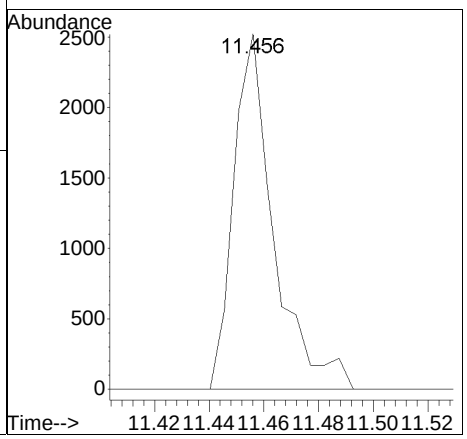
Ion	Ratio	Lower	Upper
180	100		
182	109.9	77.3	115.9
145	37.7	28.1	42.1

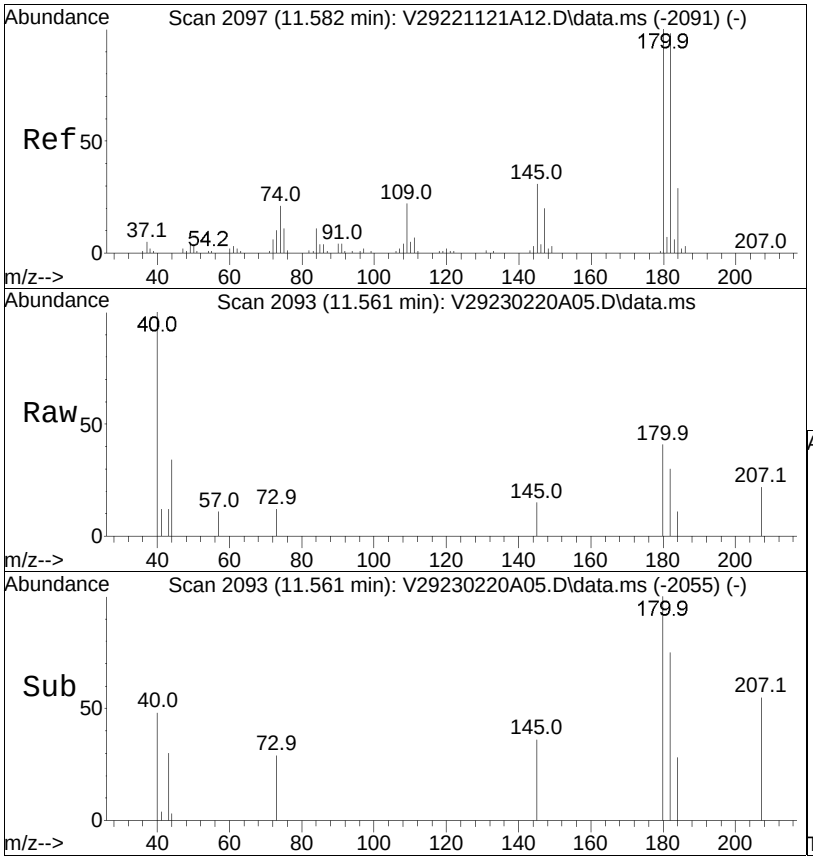




#110
Naphthalene
Concen: 0.19 ug/L
RT: 11.456 min Scan# 2073
Delta R.T. 0.005 min
Lab File: V29230220A05.D
Acq: 20 Feb 2023 10:27 am

Tgt Ion:128 Resp: 2572

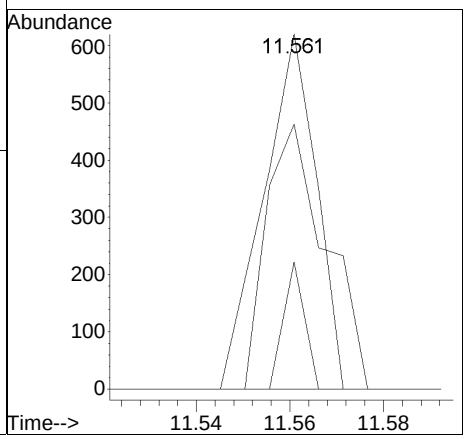




#111
1,2,3-Trichlorobenzene
Concen: 0.09 ug/L
RT: 11.561 min Scan# 2093
Delta R.T. -0.000 min
Lab File: V29230220A05.D
Acq: 20 Feb 2023 10:27 am

Tgt Ion:180 Resp: 486

Ion	Ratio	Lower	Upper
180	100		
182	84.2	76.4	114.6
145	14.4	26.4	39.6#



Manual Integration Report

Data Path	: I:\VOLATILES\VOA129\2023\2	Method	: V129_221227N_8260.m
Data File	: V29230220A05.D	Operator	: VOA129:MKS
Date Inj'd	: 2/20/2023 10:27 am	Instrument	: VOA 129
Sample	: WG1747023-5,31,5,5	Quant Date	: 2/20/2023 11:07 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A01.D
Acq On : 17 Feb 2023 7:40 am
Operator : GONZO:PID
Sample : WG1746138-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 17 08:12:24 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.208	96	361440	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.760	117	269855	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.417	152	153692	10.000	ug/L	-0.02
System Monitoring Compounds						
36) Dibromofluoromethane	5.395	113	89234	9.895	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.95%			
43) 1,2-Dichloroethane-d4	5.927	65	115000	10.897	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.97%			
60) Toluene-d8	7.901	98	360187	10.346	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.46%			
83) 4-Bromofluorobenzene	11.225	95	139387	10.276	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.76%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.725	85	47140	8.500	ug/L	100
3) Chloromethane	1.946	50	75311	10.311	ug/L	99
4) Vinyl chloride	2.006	62	63536	9.748	ug/L	99
5) Bromomethane	2.333	94	22371	6.597	ug/L	98
6) Chloroethane	2.432	64	25362	13.695	ug/L	98
7) Trichlorofluoromethane	2.584	101	66925	8.274	ug/L	100
8) Ethyl ether	2.903	74	25959	9.584	ug/L	88
10) 1,1-Dichloroethene	3.100	96	48609	8.772	ug/L	86
11) Carbon disulfide	3.138	76	166784	11.664	ug/L	99
15) Methylene chloride	3.678	84	58870	9.265	ug/L	86
17) Acetone	3.723	43	15843	8.877	ug/L	94
18) trans-1,2-Dichloroethene	3.822	96	53298	9.088	ug/L	84
20) Methyl tert-butyl ether	3.913	73	123896	8.263	ug/L	93
23) 1,1-Dichloroethane	4.415	63	110317	10.161	ug/L	98
25) Acrylonitrile	4.475	53	17638	8.728	ug/L #	91
27) Vinyl acetate	4.650	43	124776	10.074	ug/L	98
28) cis-1,2-Dichloroethene	4.947	96	60771	9.099	ug/L	91
29) 2,2-Dichloropropane	5.045	77	85236	9.518	ug/L	98
30) Bromochloromethane	5.136	128	26768	9.325	ug/L #	78
32) Chloroform	5.212	83	99536	9.471	ug/L	99
34) Carbon tetrachloride	5.342	117	69286	8.742	ug/L	99
37) 1,1,1-Trichloroethane	5.410	97	81860	9.041	ug/L	96
39) 2-Butanone	5.509	43	22837	7.875	ug/L #	75
40) 1,1-Dichloropropene	5.531	75	76796	9.377	ug/L	96

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Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

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Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	Benzene	5.782	78	238264	9.589	ug/L		97
44)	1,2-Dichloroethane	5.995	62	72395	9.676	ug/L		98
48)	Trichloroethene	6.382	95	58096	8.497	ug/L		94
50)	Dibromomethane	6.831	93	32024	9.542	ug/L		94
51)	1,2-Dichloropropane	6.937	63	61404	9.968	ug/L		96
54)	Bromodichloromethane	7.005	83	75123	9.201	ug/L		99
57)	1,4-Dioxane	7.213	88	26886	454.878	ug/L	#	88
58)	cis-1,3-Dichloropropene	7.700	75	90896	9.060	ug/L		98
61)	Toluene	7.965	92	143751	9.728	ug/L		98
62)	4-Methyl-2-pentanone	8.402	58	16987	7.886	ug/L	#	89
63)	Tetrachloroethene	8.409	166	59174	8.981	ug/L		98
65)	trans-1,3-Dichloropropene	8.452	75	80523	9.595	ug/L		99
68)	1,1,2-Trichloroethane	8.639	83	40517	9.289	ug/L		96
69)	Chlorodibromomethane	8.853	129	52183	9.264	ug/L		100
70)	1,3-Dichloropropane	8.961	76	83918	9.948	ug/L		100
71)	1,2-Dibromoethane	9.133	107	44845	9.254	ug/L		100
72)	2-Hexanone	9.419	43	33434	8.348	ug/L		95
73)	Chlorobenzene	9.777	112	158704	9.902	ug/L		93
74)	Ethylbenzene	9.810	91	280738	9.720	ug/L		96
75)	1,1,1,2-Tetrachloroethane	9.867	131	53208	9.386	ug/L		97
76)	p/m Xylene	9.999	106	214401	18.977	ug/L		92
77)	o Xylene	10.534	106	206925	19.315	ug/L		91
78)	Styrene	10.599	104	349018	19.913	ug/L		94
80)	Bromoform	10.632	173	36520	9.194	ug/L		99
82)	Isopropylbenzene	10.904	105	271169	9.734	ug/L		98
84)	Bromobenzene	11.340	156	68785	9.827	ug/L		98
85)	n-Propylbenzene	11.373	91	346219	10.232	ug/L		96
87)	1,1,2,2-Tetrachloroethane	11.471	83	67147	10.292	ug/L		97
88)	4-Ethyltoluene	11.496	105	280252	9.987	ug/L		97
89)	2-Chlorotoluene	11.545	91	214748M1	10.808	ug/L		
90)	1,3,5-Trimethylbenzene	11.595	105	242105	9.962	ug/L		97
91)	1,2,3-Trichloropropane	11.603	75	55842M1	10.280	ug/L		
92)	trans-1,4-Dichloro-2-b...	11.661	53	12071	6.206	ug/L	#	91
93)	4-Chlorotoluene	11.726	91	215989	10.541	ug/L		94
94)	tert-Butylbenzene	11.932	119	199409	9.625	ug/L		95
97)	1,2,4-Trimethylbenzene	12.006	105	229213	9.797	ug/L		97
98)	sec-Butylbenzene	12.113	105	307453	9.902	ug/L		97
99)	p-Isopropyltoluene	12.269	119	254499	9.557	ug/L		98
100)	1,3-Dichlorobenzene	12.343	146	134027	10.148	ug/L		98
101)	1,4-Dichlorobenzene	12.434	146	137275	10.301	ug/L		97

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Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102)	p-Diethylbenzene	12.640	119	143170	9.062	ug/L	96
103)	n-Butylbenzene	12.697	91	224914	9.897	ug/L	98
104)	1,2-Dichlorobenzene	12.853	146	124883	10.134	ug/L	98
105)	1,2,4,5-Tetramethylben...	13.429	119	154675	7.700	ug/L	95
106)	1,2-Dibromo-3-chloropr...	13.635	155	9125	7.595	ug/L	93
108)	Hexachlorobutadiene	14.227	225	41687	8.443	ug/L	98
109)	1,2,4-Trichlorobenzene	14.252	180	60862	7.761	ug/L	100
110)	Naphthalene	14.548	128	90710	5.835	ug/L	100
111)	1,2,3-Trichlorobenzene	14.713	180	46144	7.265	ug/L	100

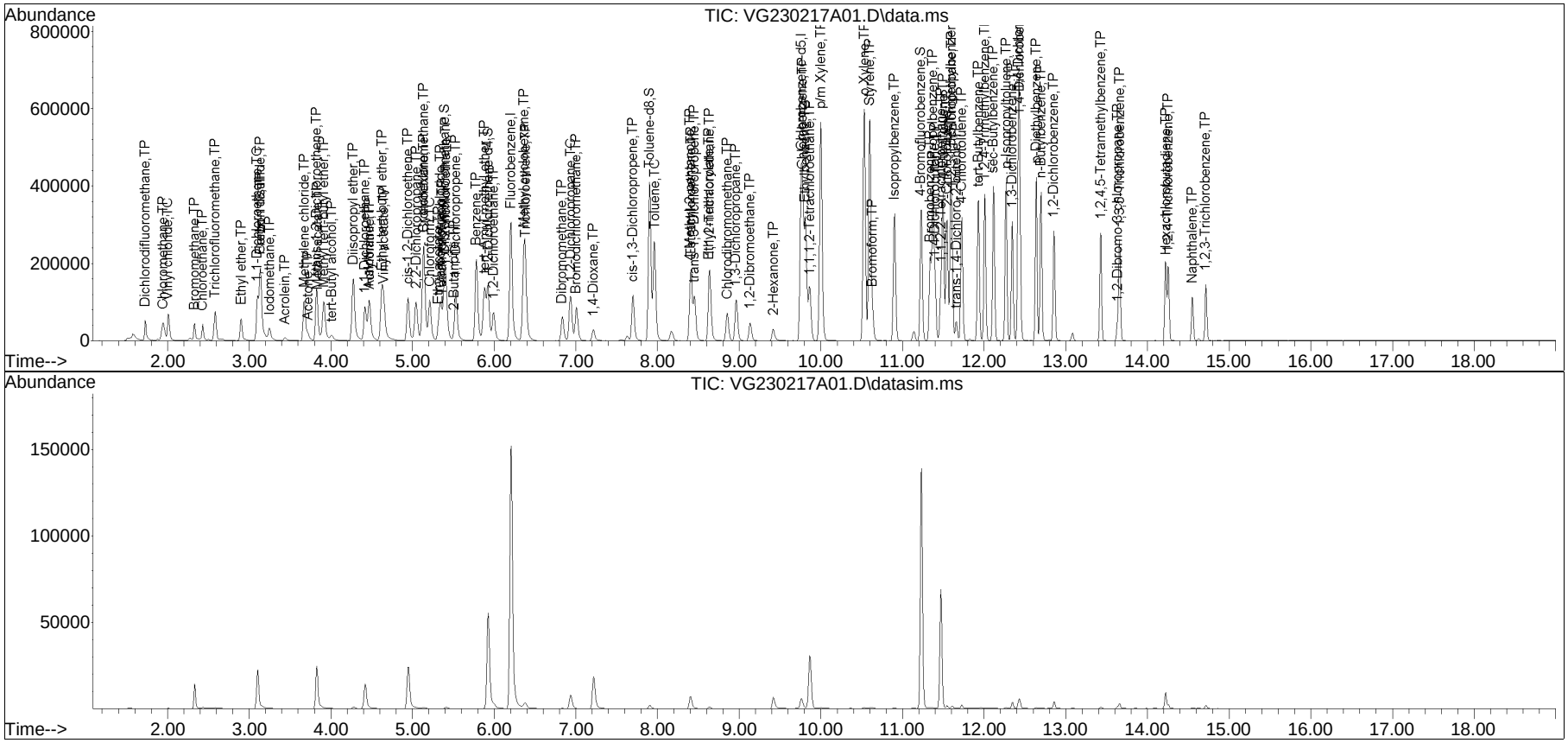
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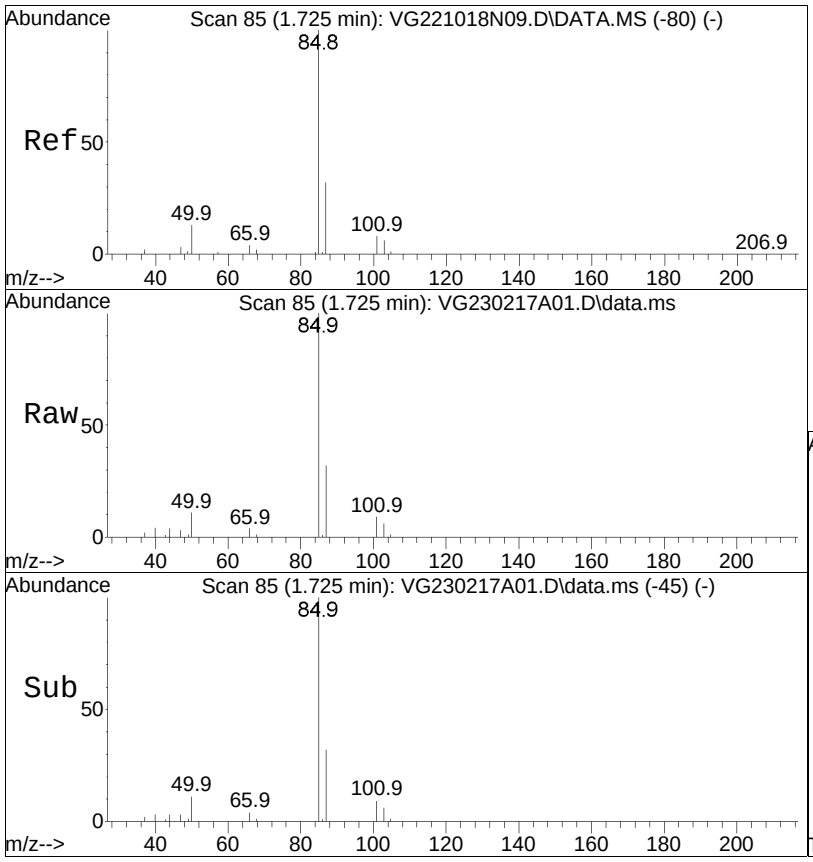
Quantitation Report (QT Reviewed)

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Operator : GONZO:PID
Sample : WG1746138-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

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Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

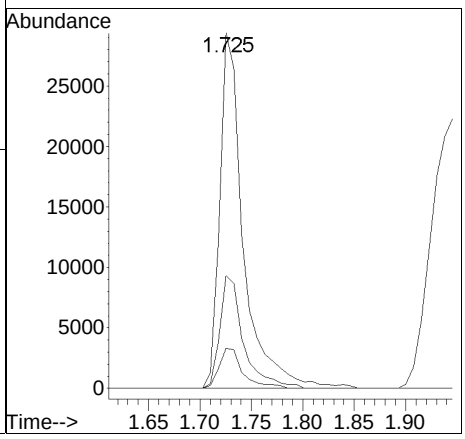


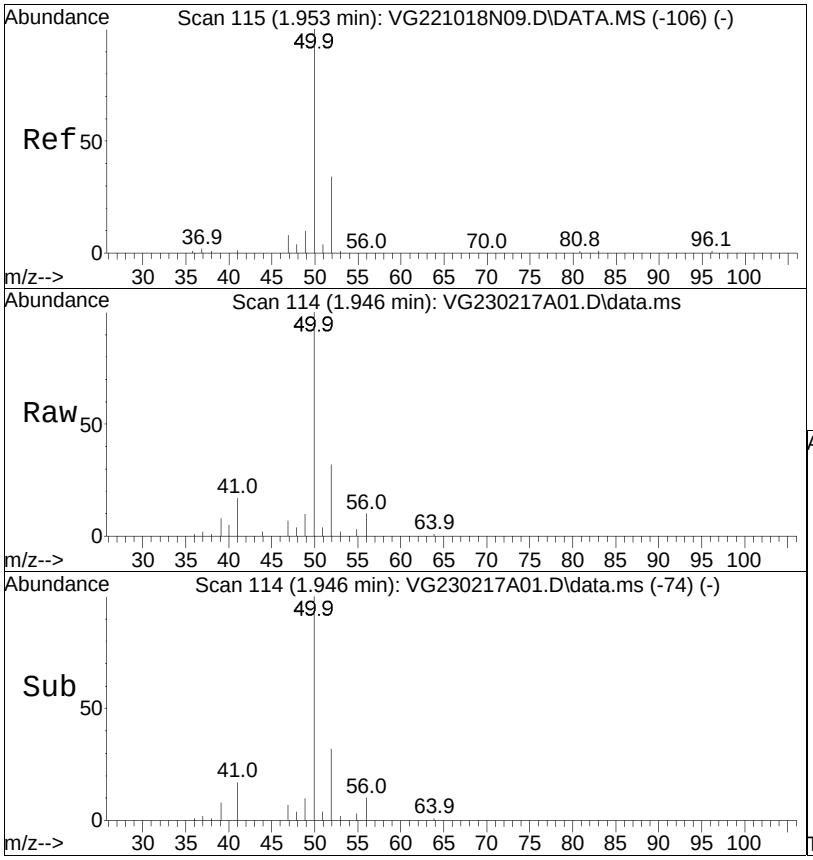


#2
Dichlorodifluoromethane
Concen: 8.50 ug/L
RT: 1.725 min Scan# 85
Delta R.T. 0.000 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 85 Resp: 47140

Ion	Ratio	Lower	Upper
85	100		
87	31.6	20.7	42.9
50	11.4	7.5	15.5

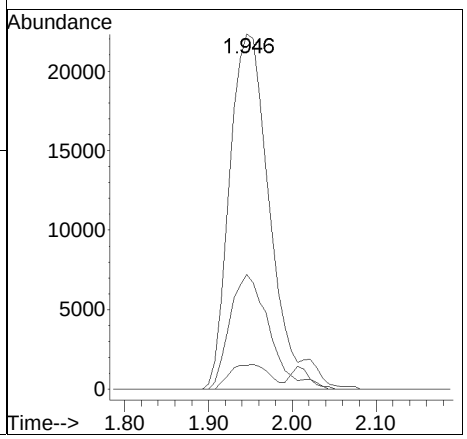


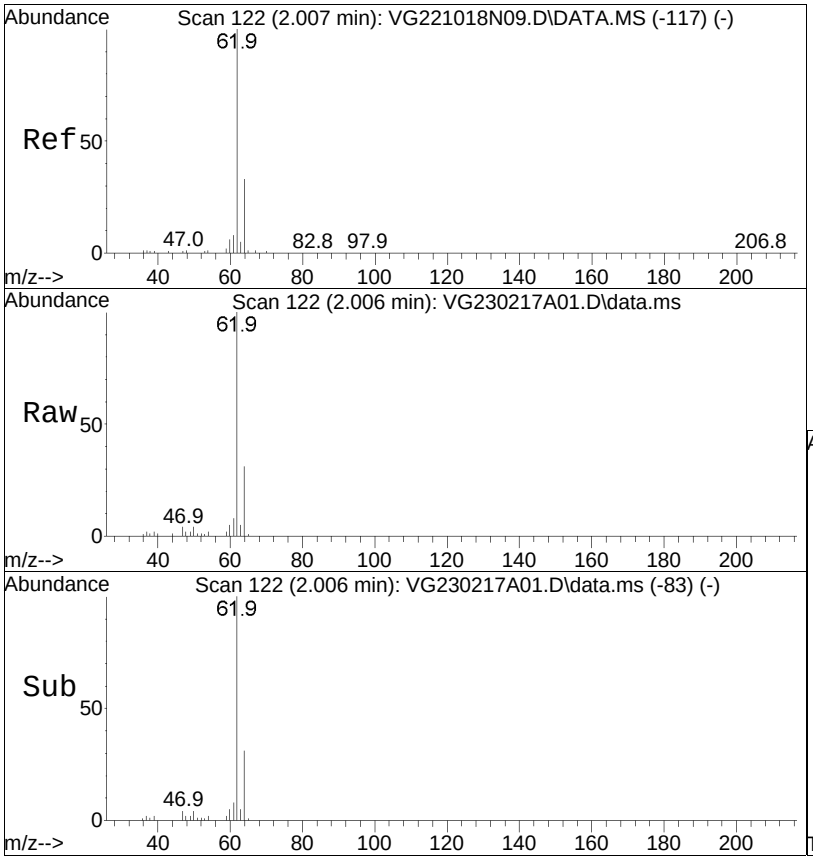


#3
Chloromethane
Concen: 10.31 ug/L
RT: 1.946 min Scan# 114
Delta R.T. 0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 50 Resp: 75311

Ion	Ratio	Lower	Upper
50	100		
52	31.7	11.7	51.7
47	7.0	0.0	28.0

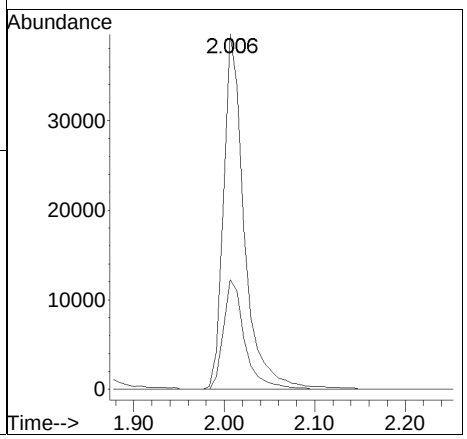


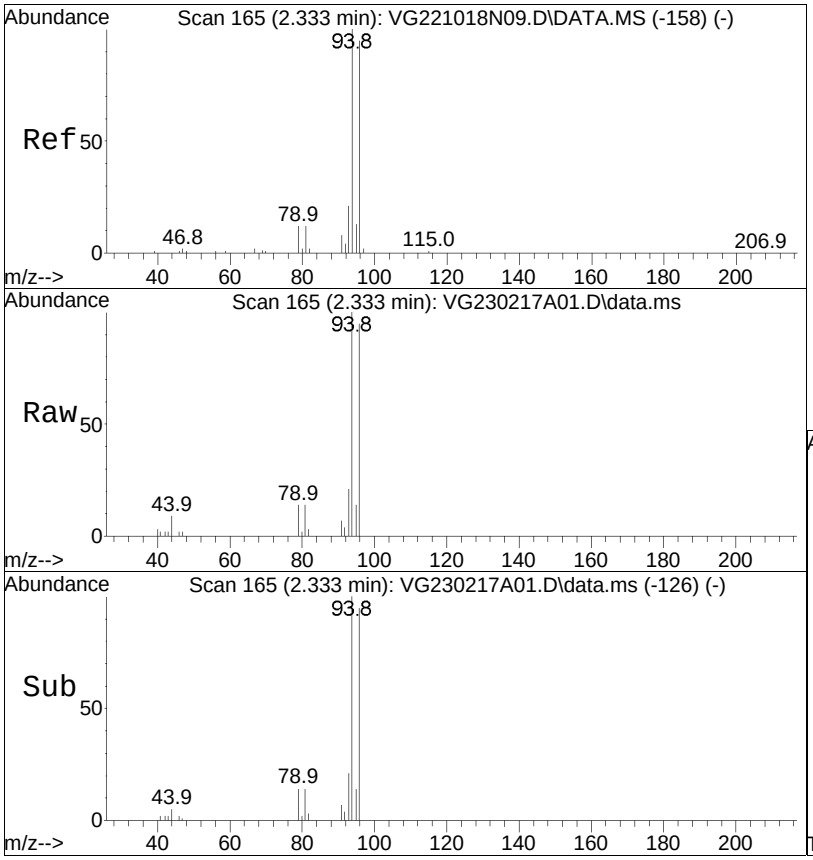


#4
Vinyl chloride
Concen: 9.75 ug/L
RT: 2.006 min Scan# 122
Delta R.T. -0.001 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 62 Resp: 63536

Ion	Ratio	Lower	Upper
62	100		
64	31.6	11.3	51.3

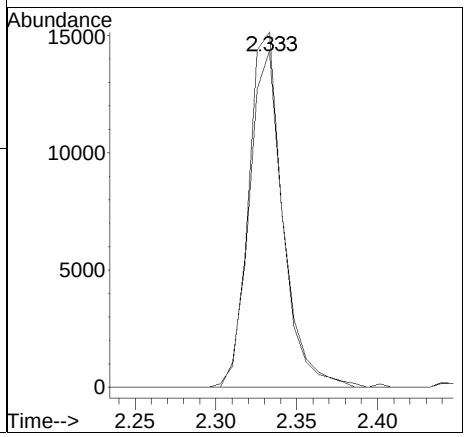


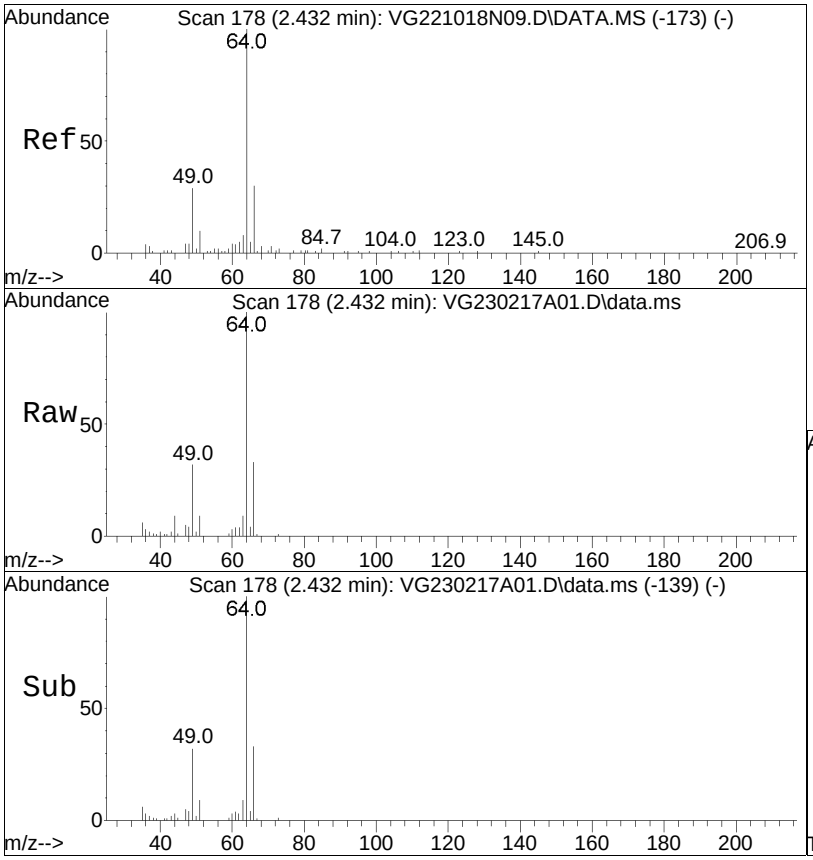


#5
Bromomethane
Concen: 6.60 ug/L
RT: 2.333 min Scan# 165
Delta R.T. 0.000 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 94 Resp: 22371

Ion	Ratio	Lower	Upper
94	100		
96	93.7	75.2	115.2

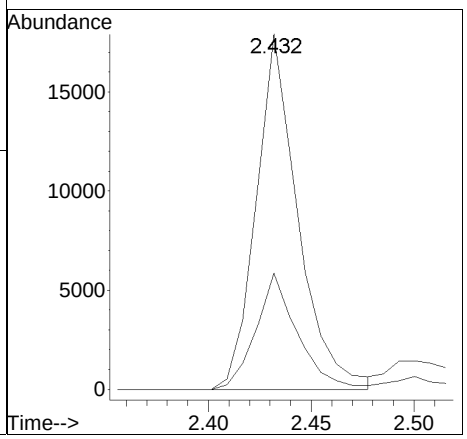


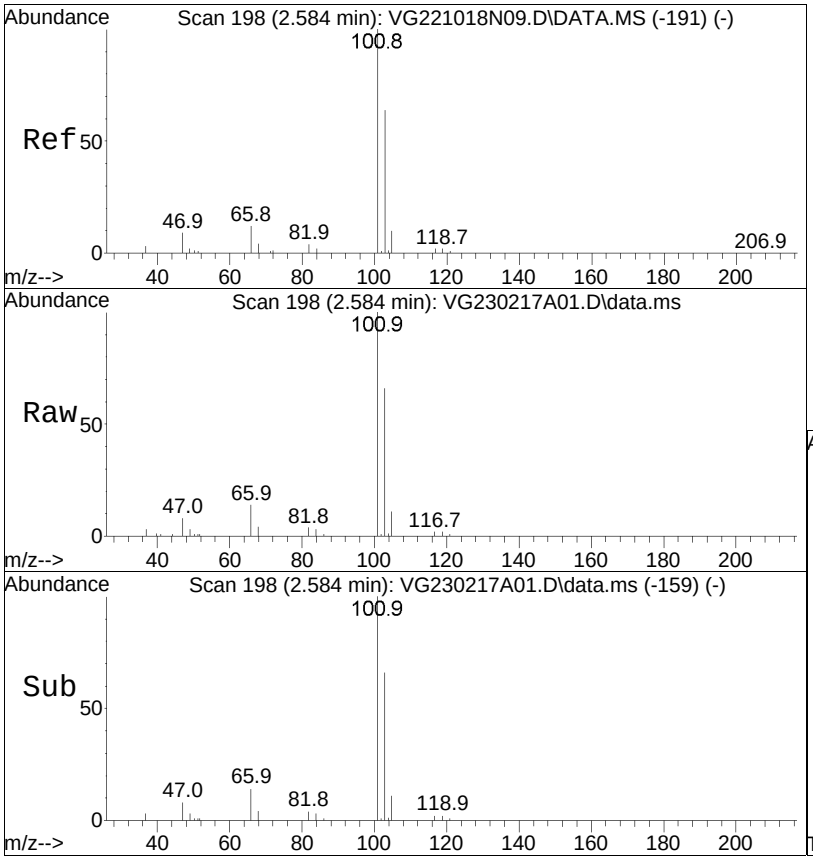


#6
Chloroethane
Concen: 13.69 ug/L
RT: 2.432 min Scan# 178
Delta R.T. -0.000 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 64 Resp: 25362

Ion	Ratio	Lower	Upper
64	100		
66	32.6	13.7	53.7

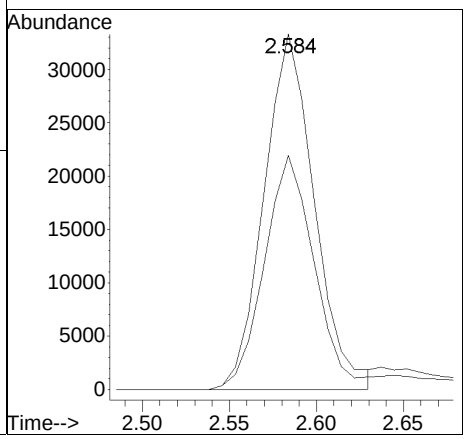


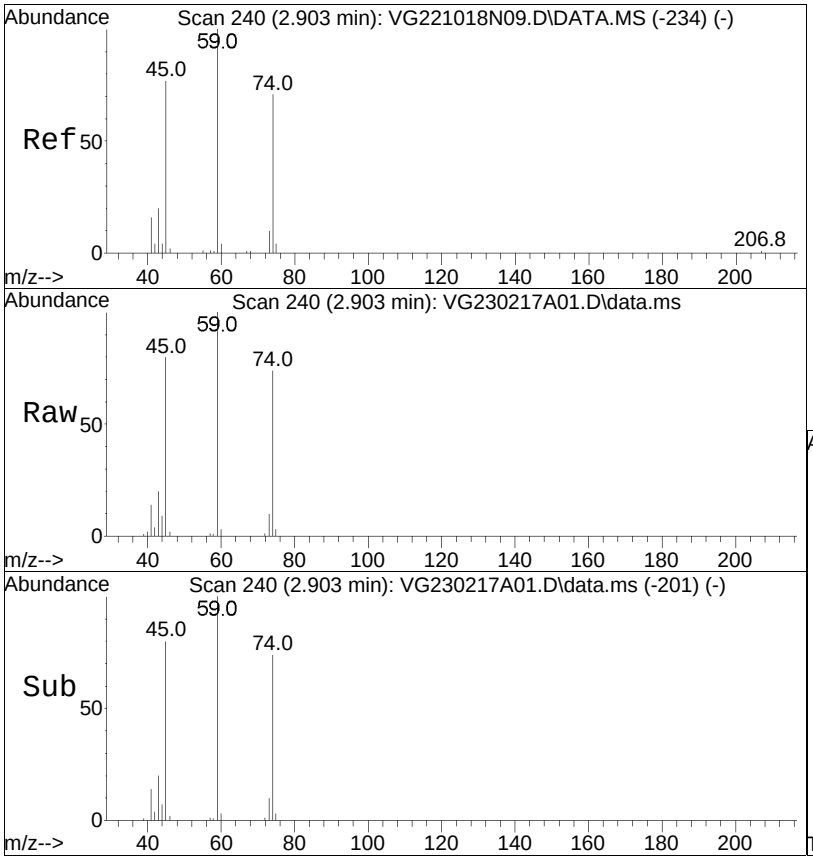


#7
Trichlorofluoromethane
Concen: 8.27 ug/L
RT: 2.584 min Scan# 198
Delta R.T. -0.000 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:101 Resp: 66925

Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.2	78.2

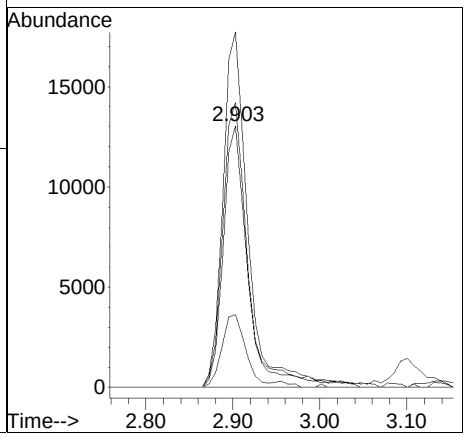


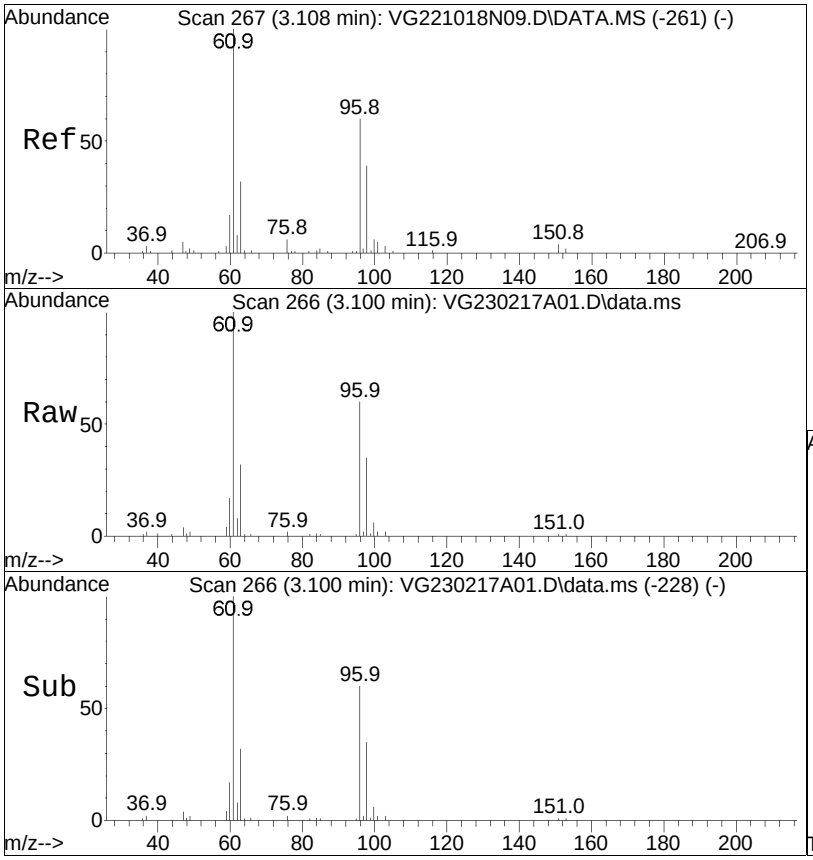


#8
Ethyl ether
Concen: 9.58 ug/L
RT: 2.903 min Scan# 240
Delta R.T. -0.000 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 74 Resp: 25959

Ion	Ratio	Lower	Upper
74	100		
59	139.4	83.5	173.3
45	110.9	59.7	123.9
43	26.6	17.6	36.6

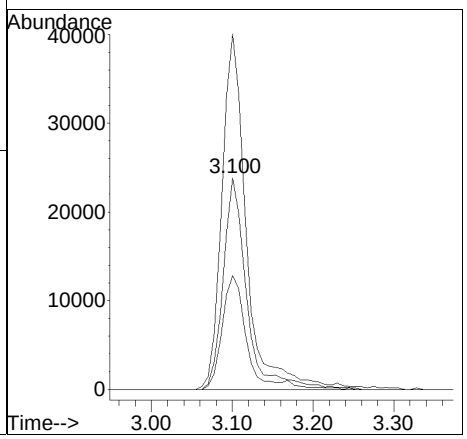


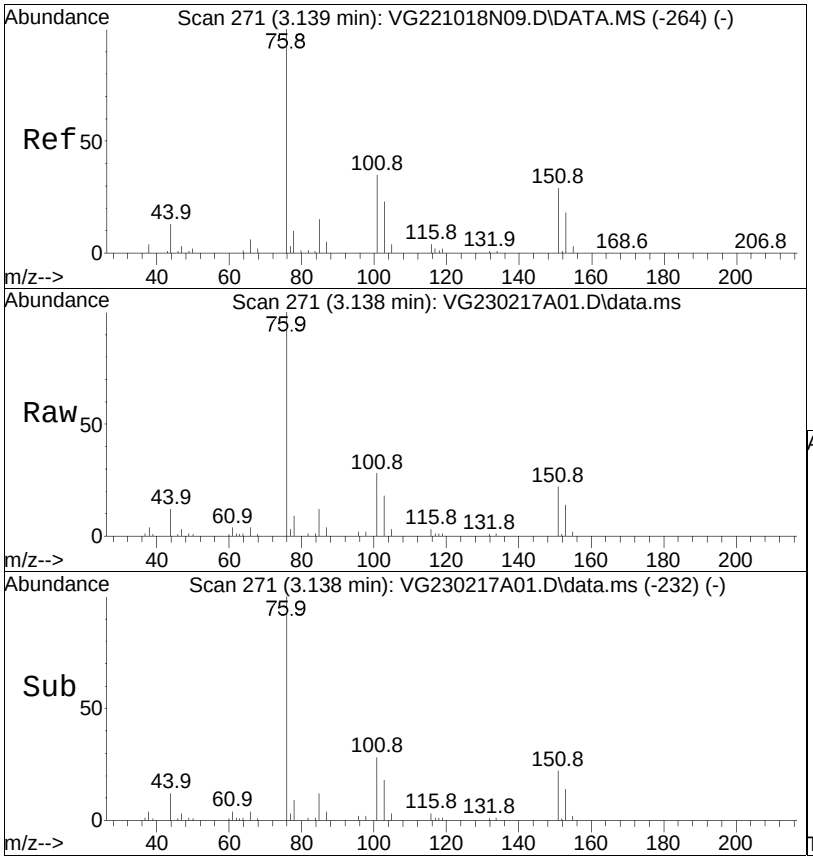


#10
1,1-Dichloroethene
Concen: 8.77 ug/L
RT: 3.100 min Scan# 266
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 96 Resp: 48609

Ion	Ratio	Lower	Upper
96	100		
61	175.1	124.2	186.4
63	56.6	40.0	60.0

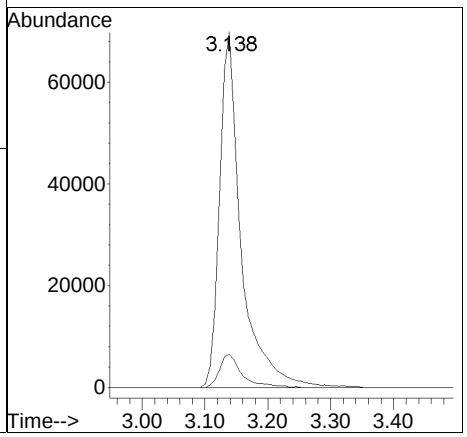


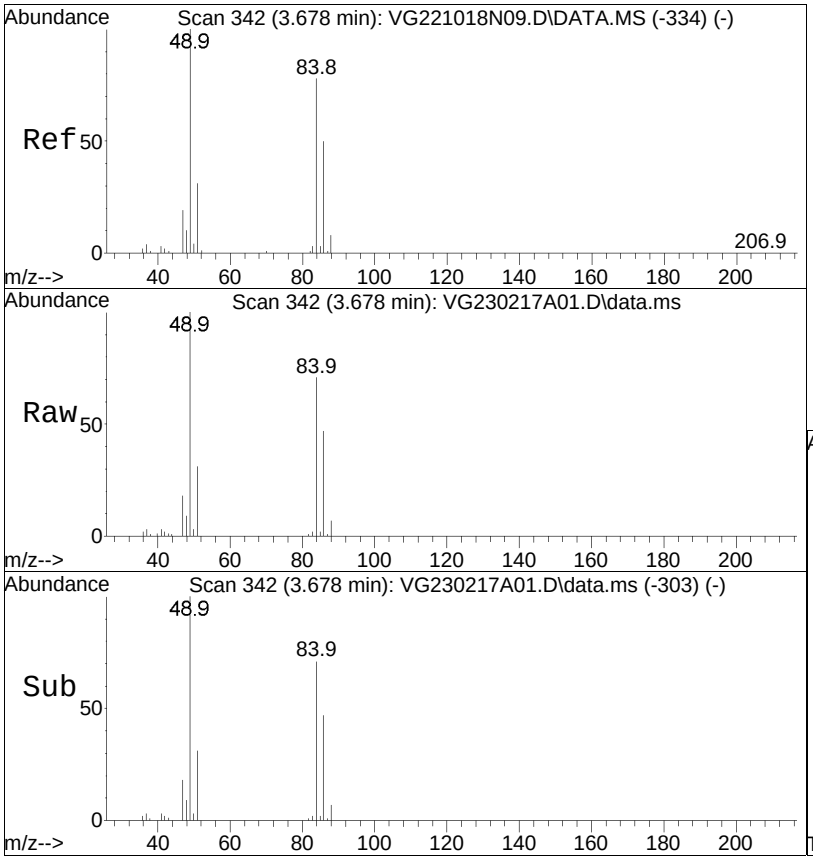


#11
Carbon disulfide
Concen: 11.66 ug/L
RT: 3.138 min Scan# 271
Delta R.T. -0.001 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 76 Resp: 166784

Ion	Ratio	Lower	Upper
76	100		
78	9.6	6.6	13.6

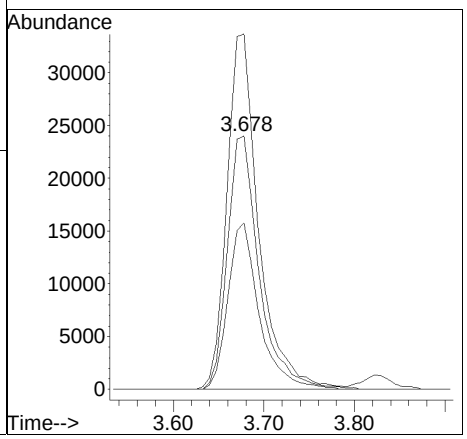


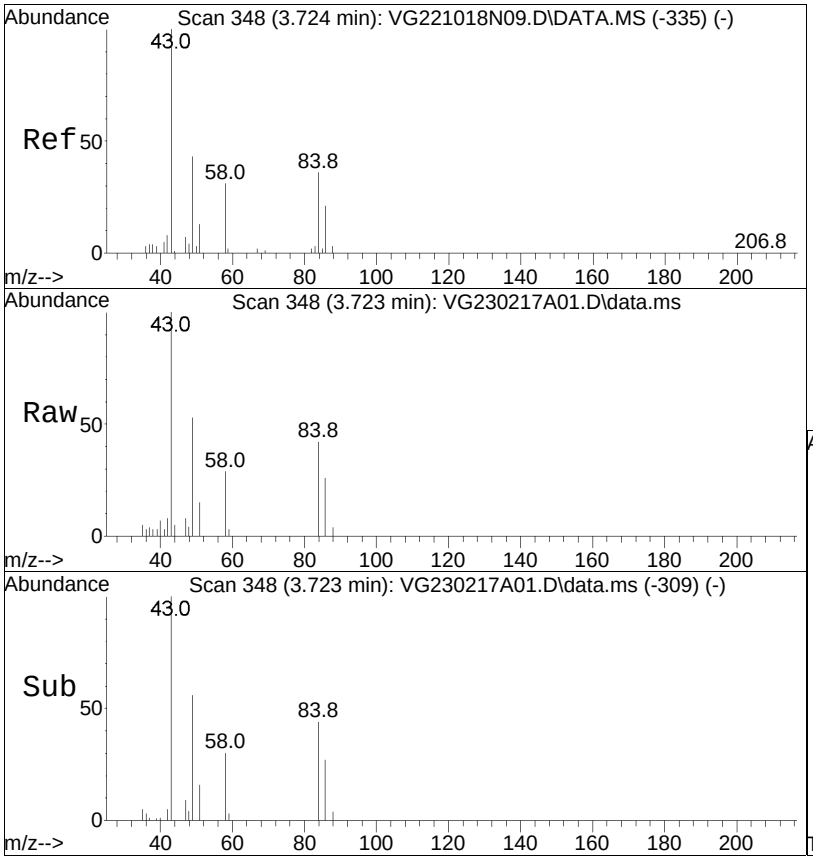


#15
Methylene chloride
Concen: 9.26 ug/L
RT: 3.678 min Scan# 342
Delta R.T. -0.000 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 84 Resp: 58870

Ion	Ratio	Lower	Upper
84	100		
86	64.6	41.1	85.5
49	139.6	76.2	158.2

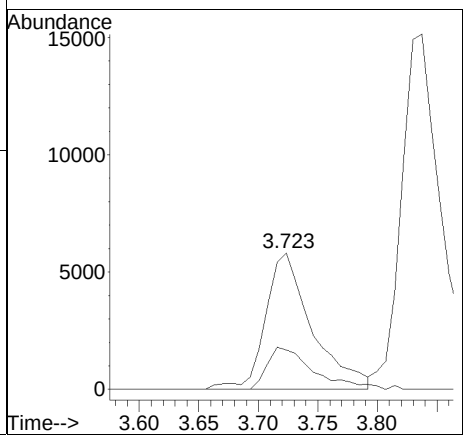


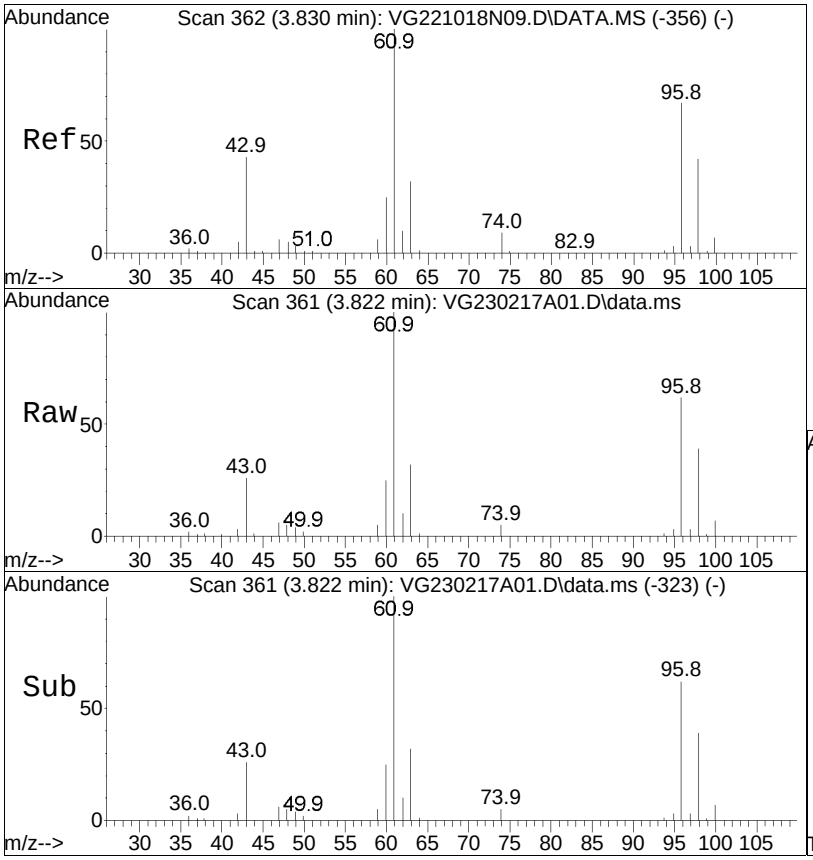


#17
Acetone
Concen: 8.88 ug/L
RT: 3.723 min Scan# 348
Delta R.T. -0.001 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 43 Resp: 15843

Ion	Ratio	Lower	Upper
43	100		
58	31.1	22.2	33.4

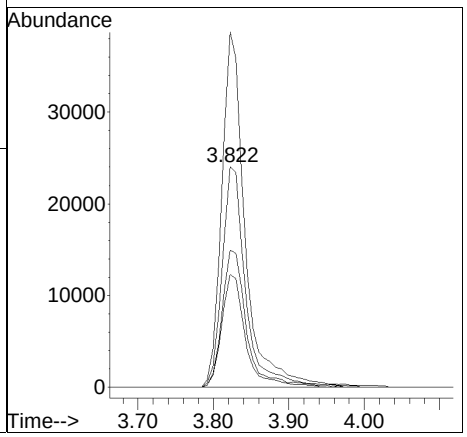


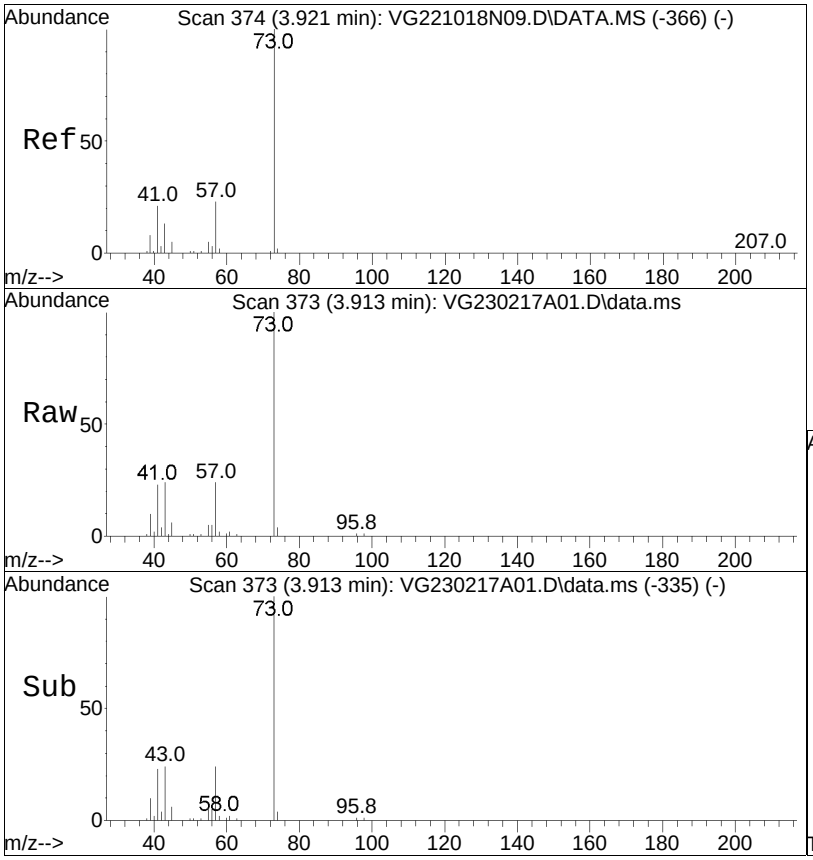


#18
trans-1,2-Dichloroethene
Concen: 9.09 ug/L
RT: 3.822 min Scan# 361
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 96 Resp: 53298

Ion	Ratio	Lower	Upper
96	100		
61	158.5	85.7	178.1
98	64.0	40.2	83.4
63	51.1	28.0	58.2

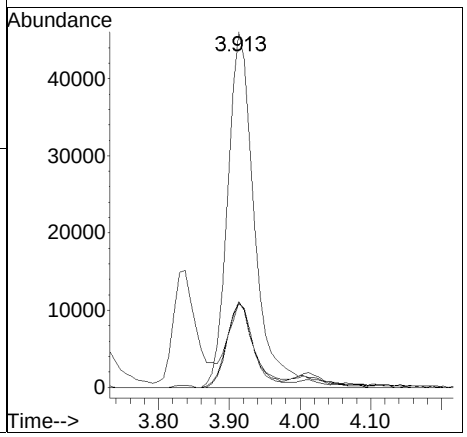


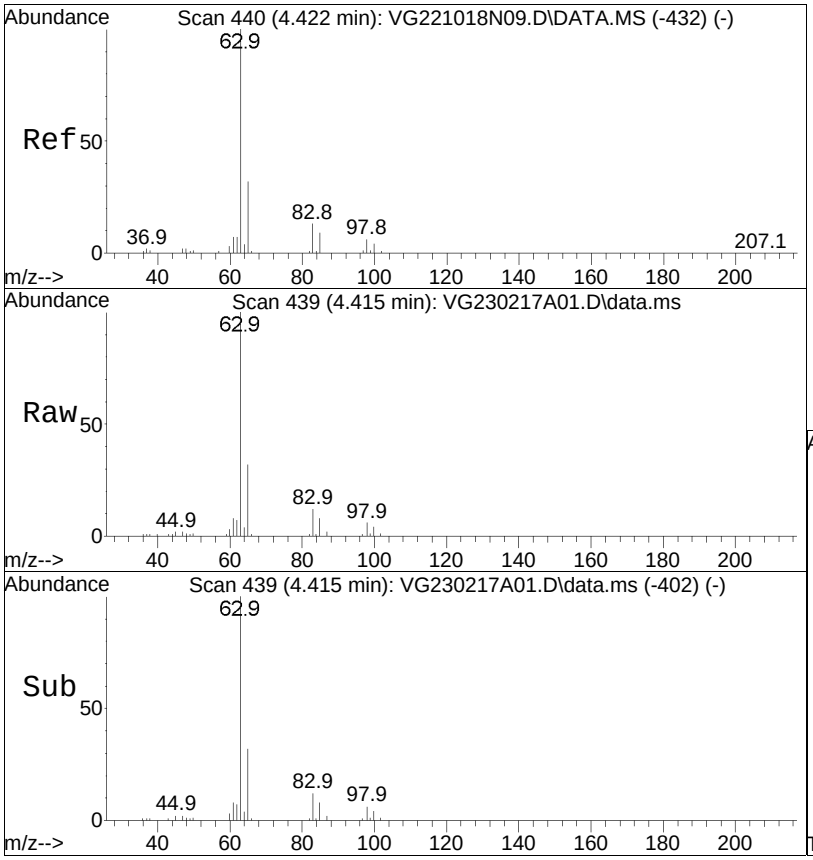


#20
Methyl tert-butyl ether
Concen: 8.26 ug/L
RT: 3.913 min Scan# 373
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 73 Resp: 123896

Ion	Ratio	Lower	Upper
73	100		
57	22.7	12.5	26.1
43	22.3	13.0	27.0
41	23.4	12.5	26.1

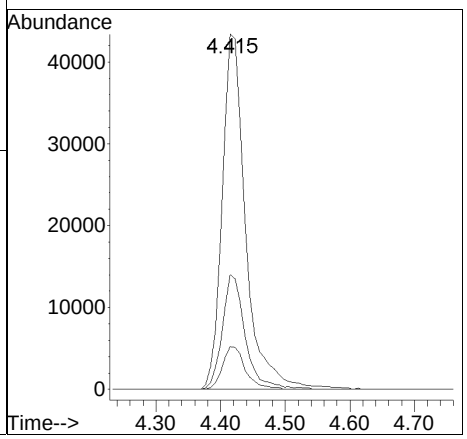


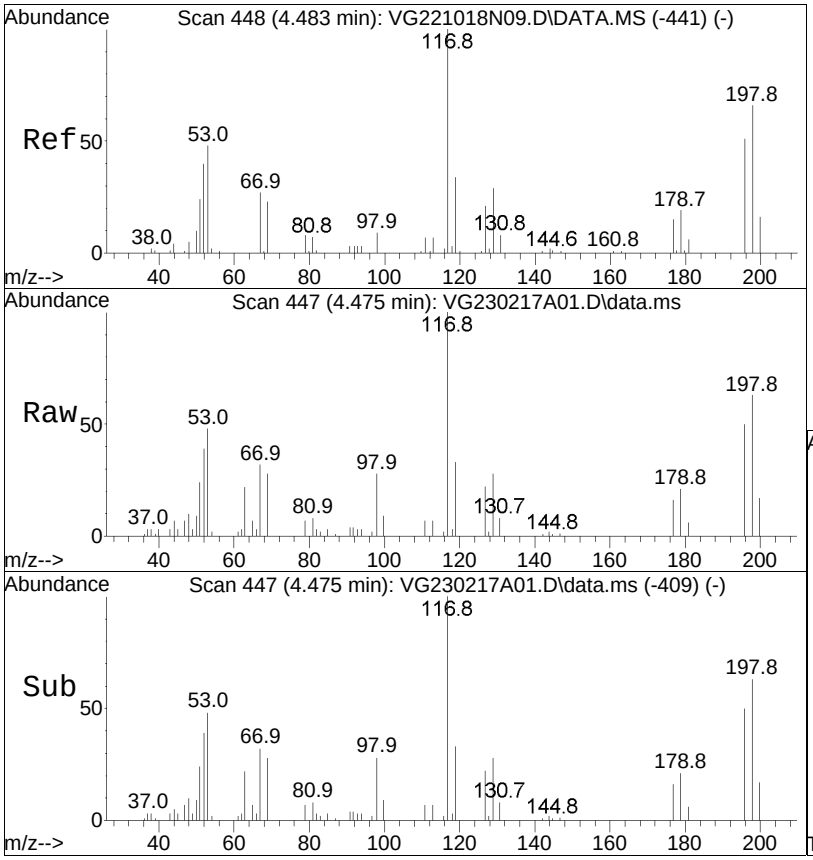


#23
1,1-Dichloroethane
Concen: 10.16 ug/L
RT: 4.415 min Scan# 439
Delta R.T. -0.015 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 63 Resp: 110317

Ion	Ratio	Lower	Upper
63	100		
65	31.4	10.4	50.4
83	11.7	0.0	33.2

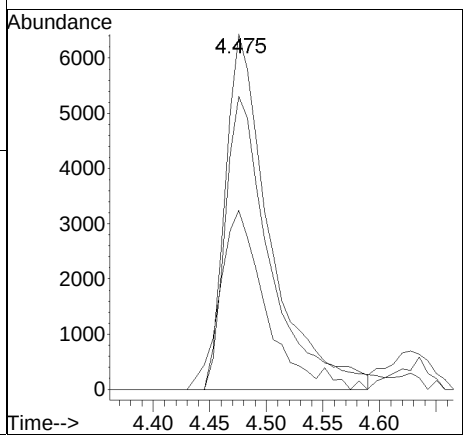


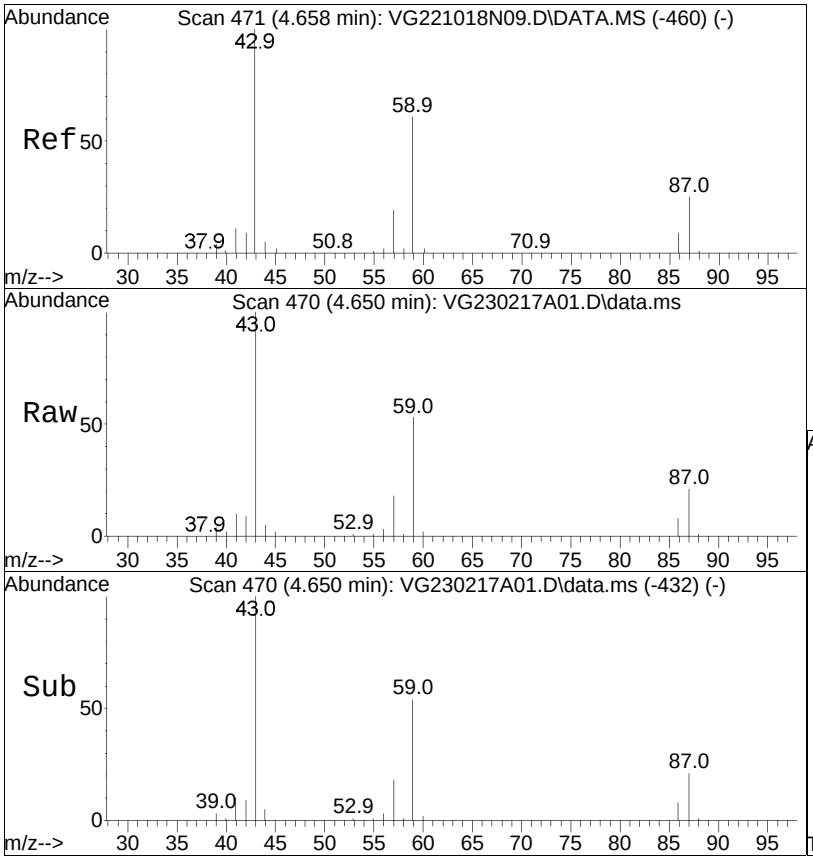


#25
Acrylonitrile
Concen: 8.73 ug/L
RT: 4.475 min Scan# 447
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 53 Resp: 17638

Ion	Ratio	Lower	Upper
53	100		
52	84.8	68.3	102.5
51	49.9	51.9	77.9#

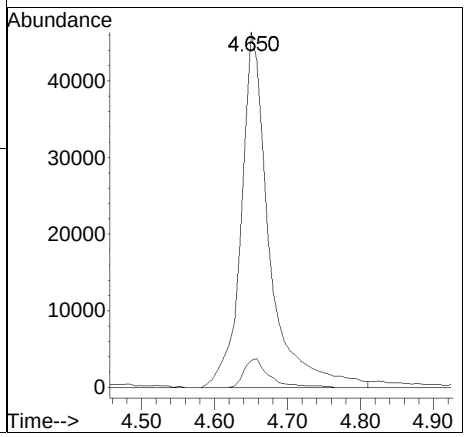


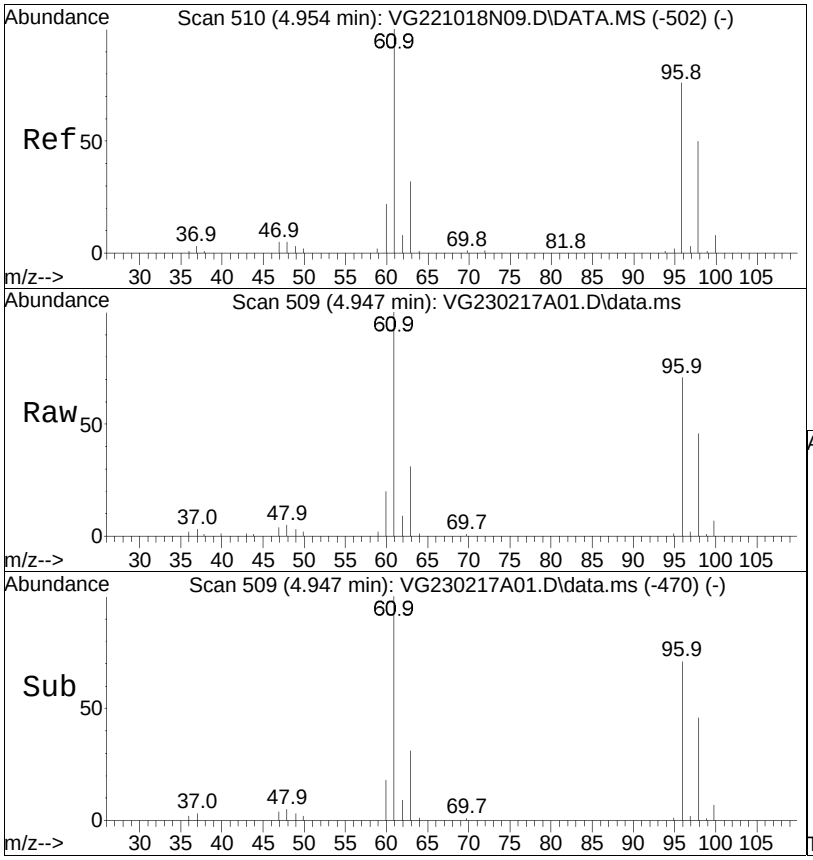


#27
Vinyl acetate
Concen: 10.07 ug/L
RT: 4.650 min Scan# 470
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 43 Resp: 124776

Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.3	9.5

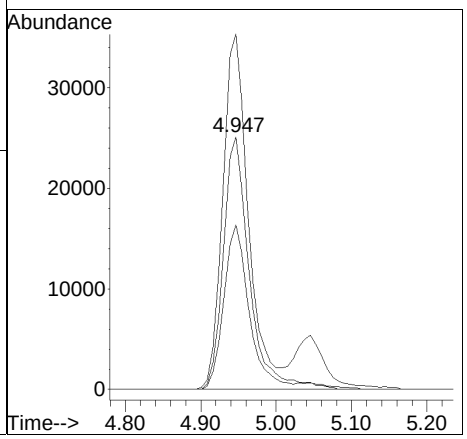


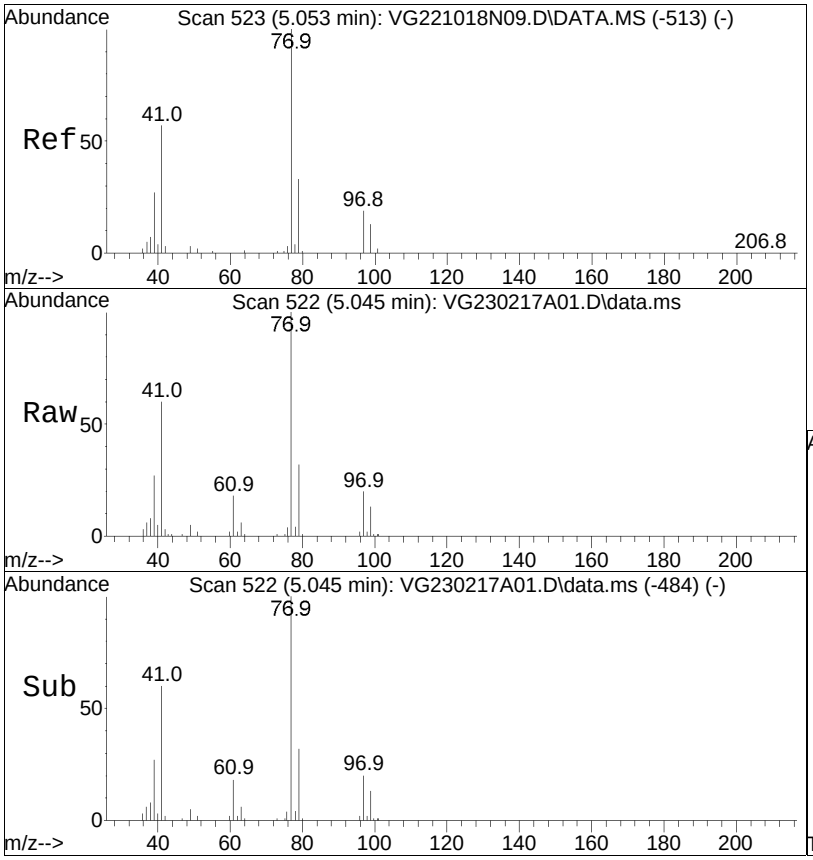


#28
cis-1,2-Dichloroethene
Concen: 9.10 ug/L
RT: 4.947 min Scan# 509
Delta R.T. -0.007 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 96 Resp: 60771

Ion	Ratio	Lower	Upper
96	100		
61	135.5	96.6	144.8
98	63.2	51.3	76.9

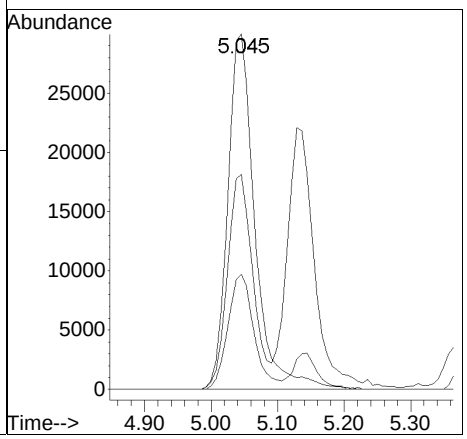


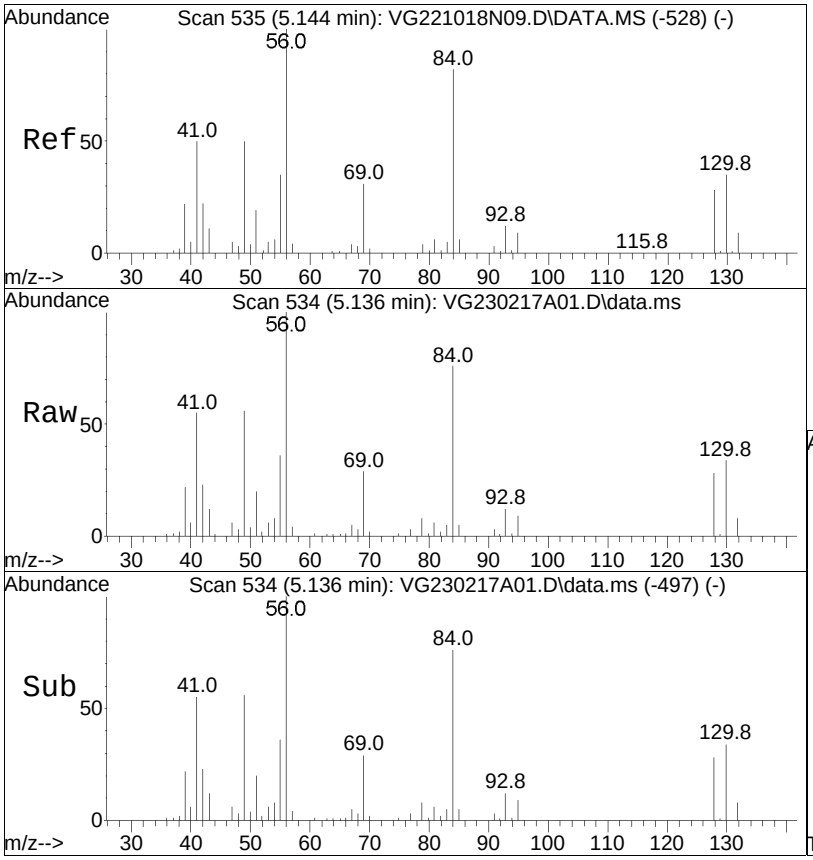


#29
2,2-Dichloropropane
Concen: 9.52 ug/L
RT: 5.045 min Scan# 522
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 77 Resp: 85236

Ion	Ratio	Lower	Upper
77	100		
41	56.8	38.1	79.1
79	31.2	20.6	42.8

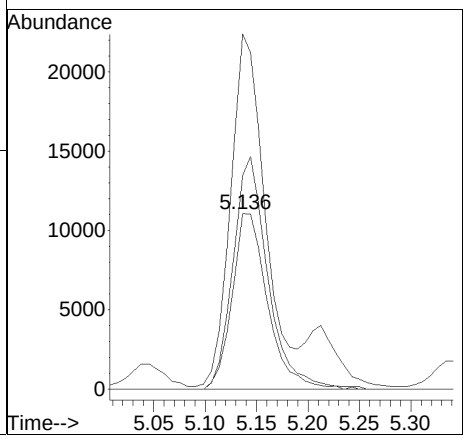


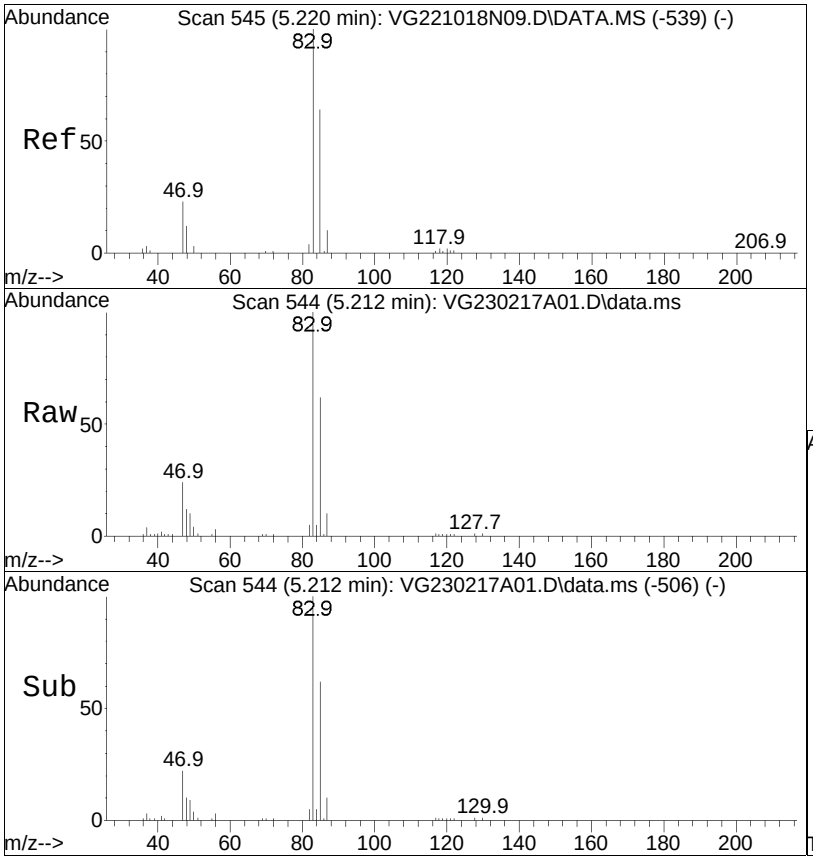


#30
Bromochloromethane
Concen: 9.33 ug/L
RT: 5.136 min Scan# 534
Delta R.T. -0.016 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:128 Resp: 26768

Ion	Ratio	Lower	Upper
128	100		
49	192.9	112.7	169.1#
130	129.7	103.3	154.9

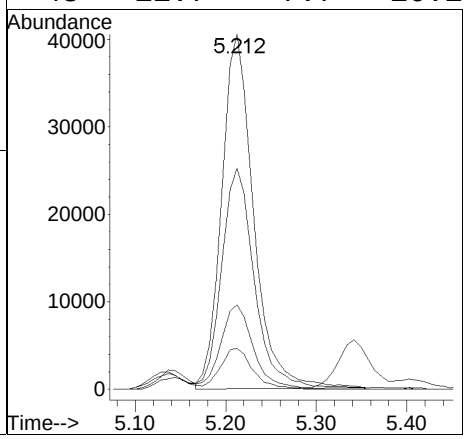


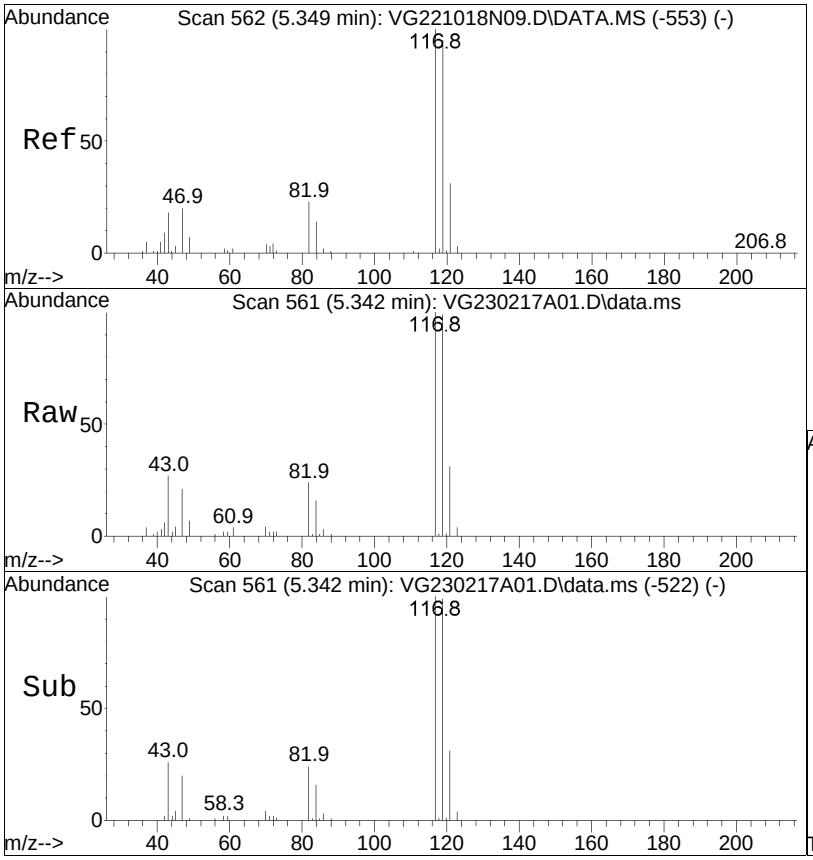


#32
Chloroform
Concen: 9.47 ug/L
RT: 5.212 min Scan# 544
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 83 Resp: 99536

Ion	Ratio	Lower	Upper
83	100		
85	64.8	41.4	86.0
47	22.4	15.1	31.3
48	11.7	7.7	16.1

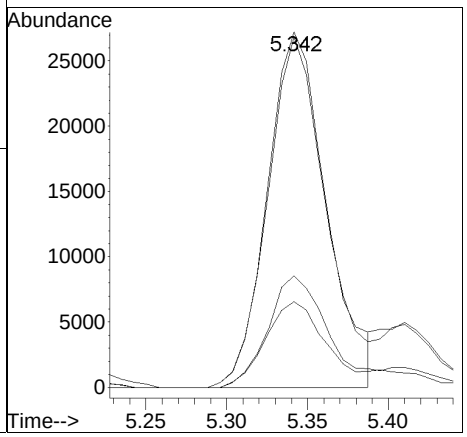


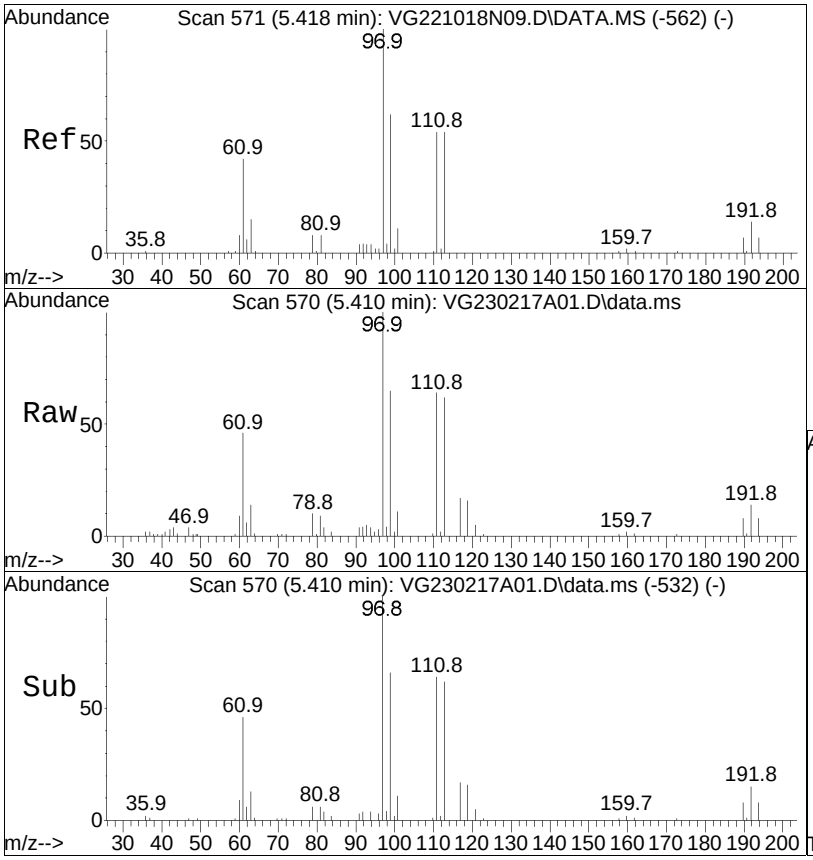


#34
Carbon tetrachloride
Concen: 8.74 ug/L
RT: 5.342 min Scan# 561
Delta R.T. -0.007 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:117 Resp: 69286

Ion	Ratio	Lower	Upper
117	100		
119	96.9	63.2	131.2
121	32.1	20.4	42.4
82	25.0	15.4	32.0

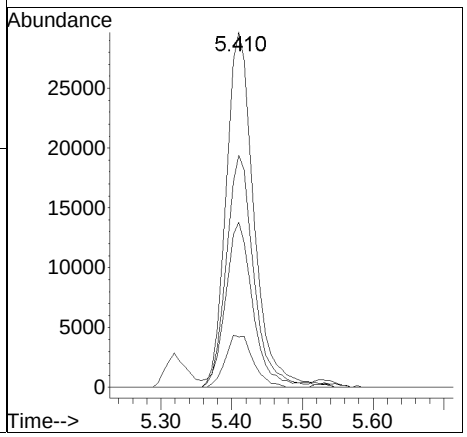


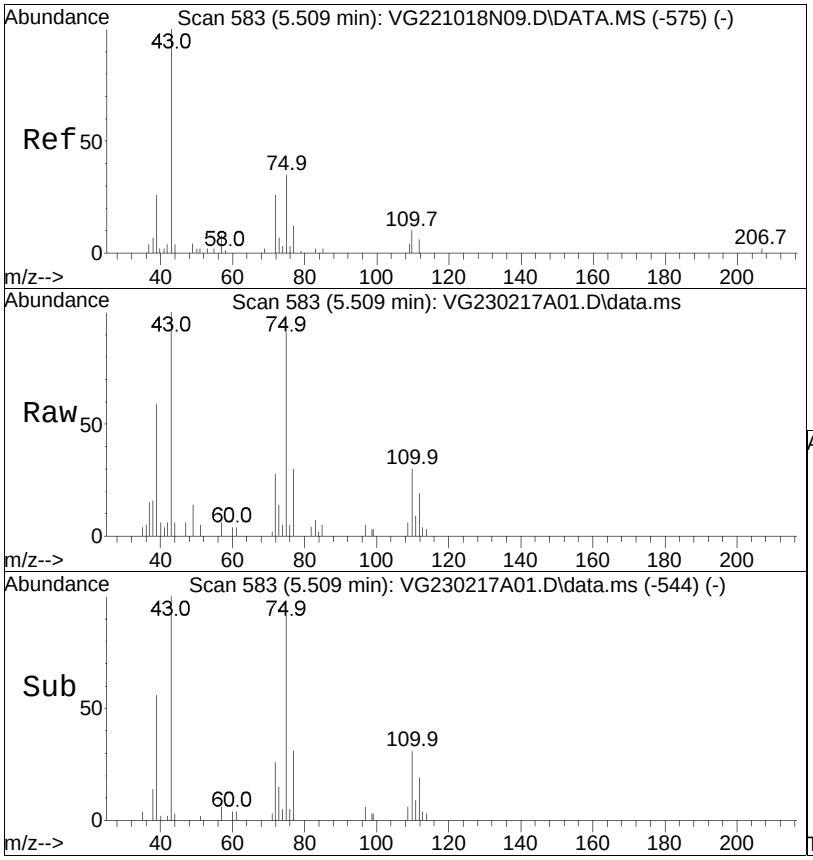


#37
1,1,1-Trichloroethane
Concen: 9.04 ug/L
RT: 5.410 min Scan# 570
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 97 Resp: 81860

Ion	Ratio	Lower	Upper
97	100		
99	64.5	41.3	85.7
61	45.6	26.0	54.0
63	14.6	8.6	18.0

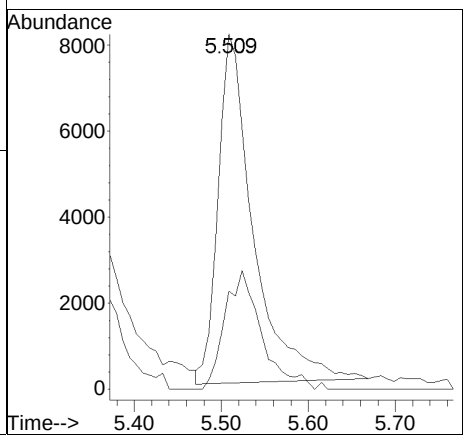


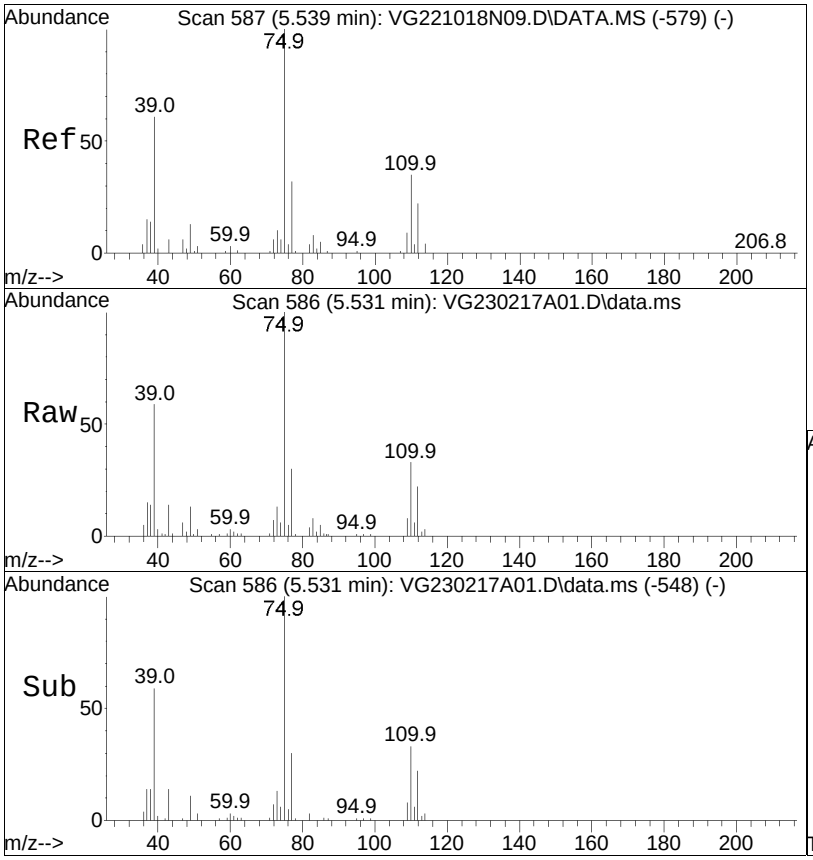


#39
2-Butanone
Concen: 7.88 ug/L
RT: 5.509 min Scan# 583
Delta R.T. -0.007 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 43 Resp: 22837

Ion	Ratio	Lower	Upper
43	100		
72	35.7	42.6	63.8#

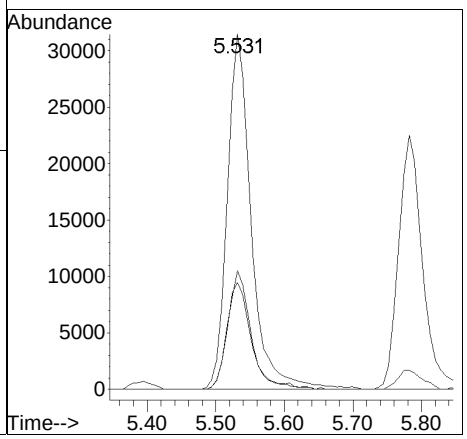


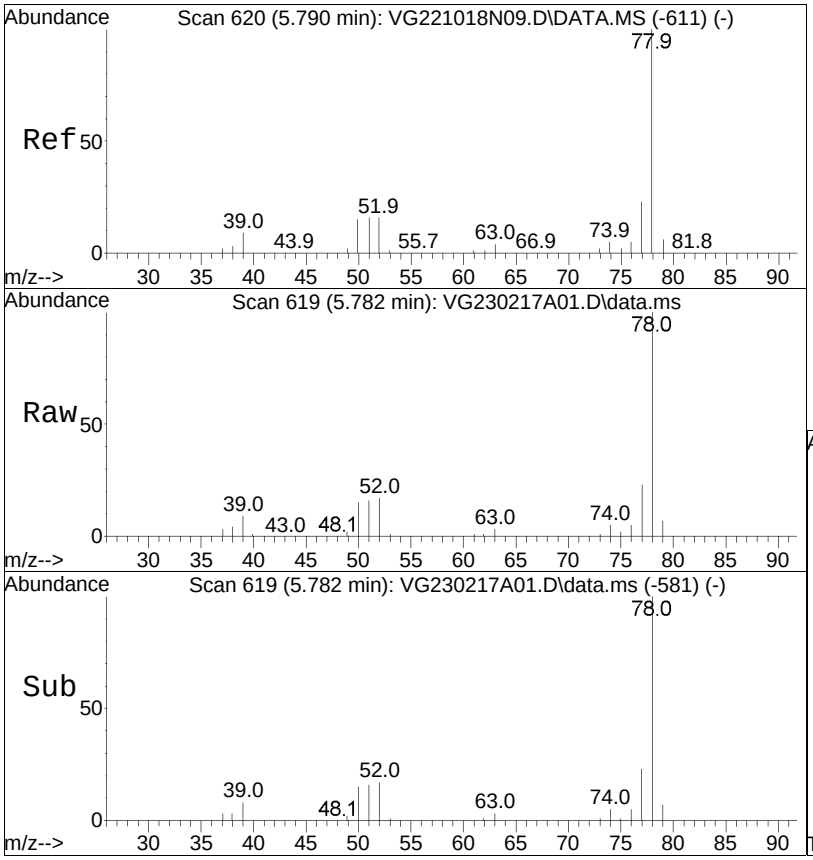


#40
1,1-Dichloropropene
Concen: 9.38 ug/L
RT: 5.531 min Scan# 586
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 75 Resp: 76796

Ion	Ratio	Lower	Upper
75	100		
110	32.5	24.1	50.1
77	30.7	19.8	41.0

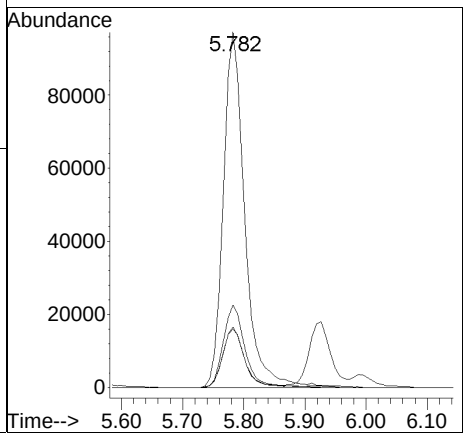


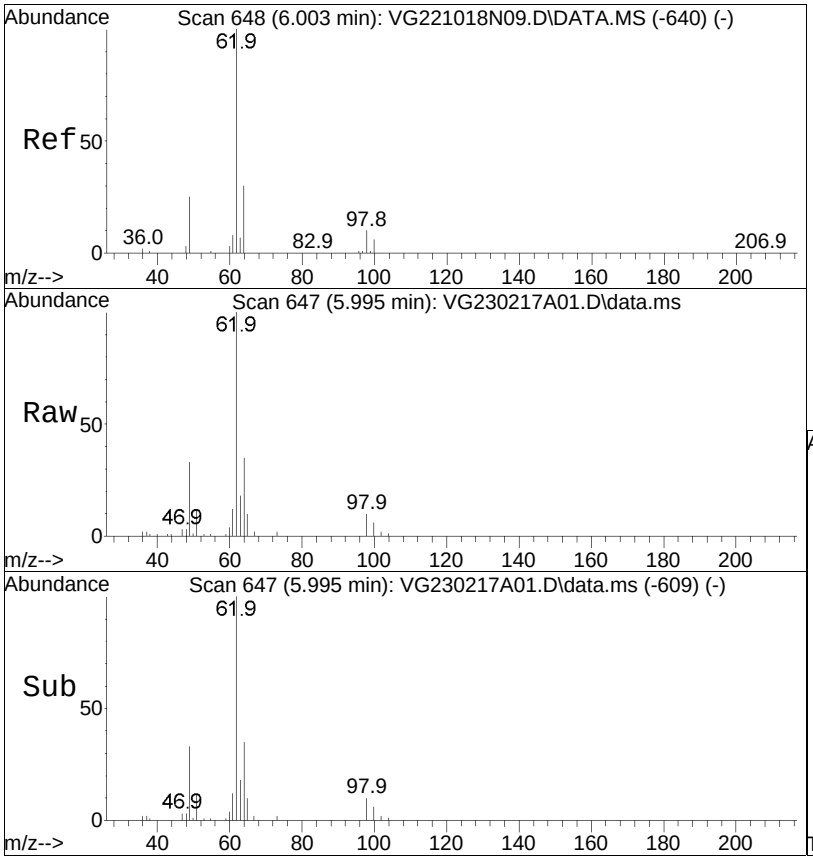


#41
Benzene
Concen: 9.59 ug/L
RT: 5.782 min Scan# 619
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 78 Resp: 238264

Ion	Ratio	Lower	Upper
78	100		
77	23.3	15.5	32.1
51	16.7	9.9	20.7
52	16.8	9.2	19.2

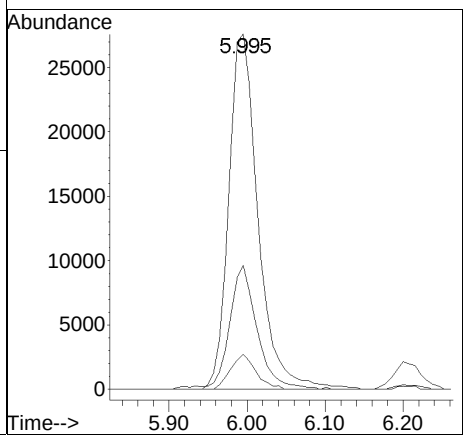


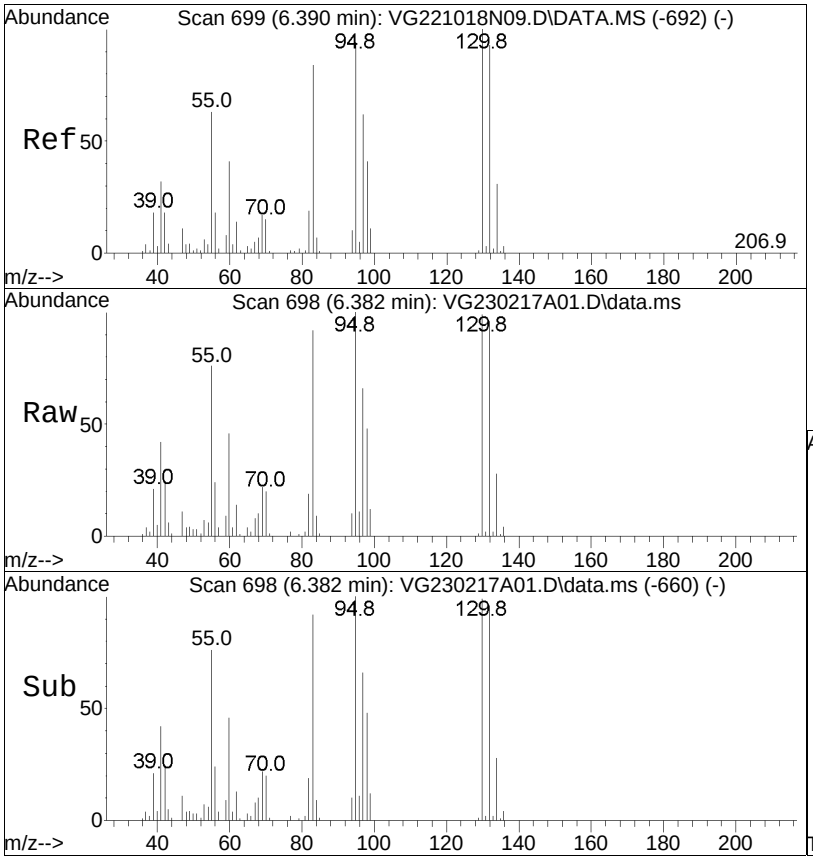


#44
1,2-Dichloroethane
Concen: 9.68 ug/L
RT: 5.995 min Scan# 647
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 62 Resp: 72395

Ion	Ratio	Lower	Upper
62	100		
64	33.2	11.9	51.9
98	8.6	0.0	29.3

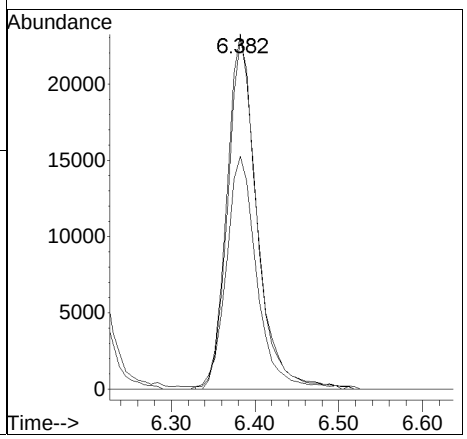


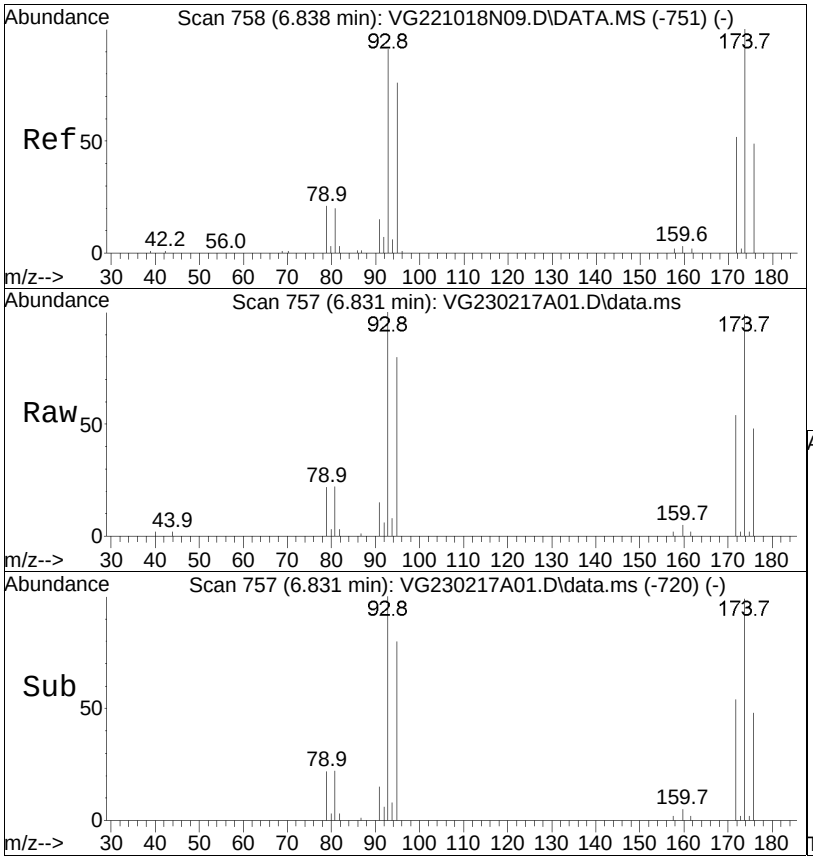


#48
Trichloroethene
Concen: 8.50 ug/L
RT: 6.382 min Scan# 698
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 95 Resp: 58096

Ion	Ratio	Lower	Upper
95	100		
97	67.2	54.0	81.0
130	97.1	85.0	127.4

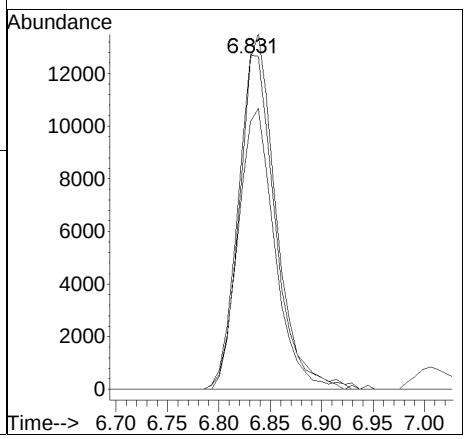


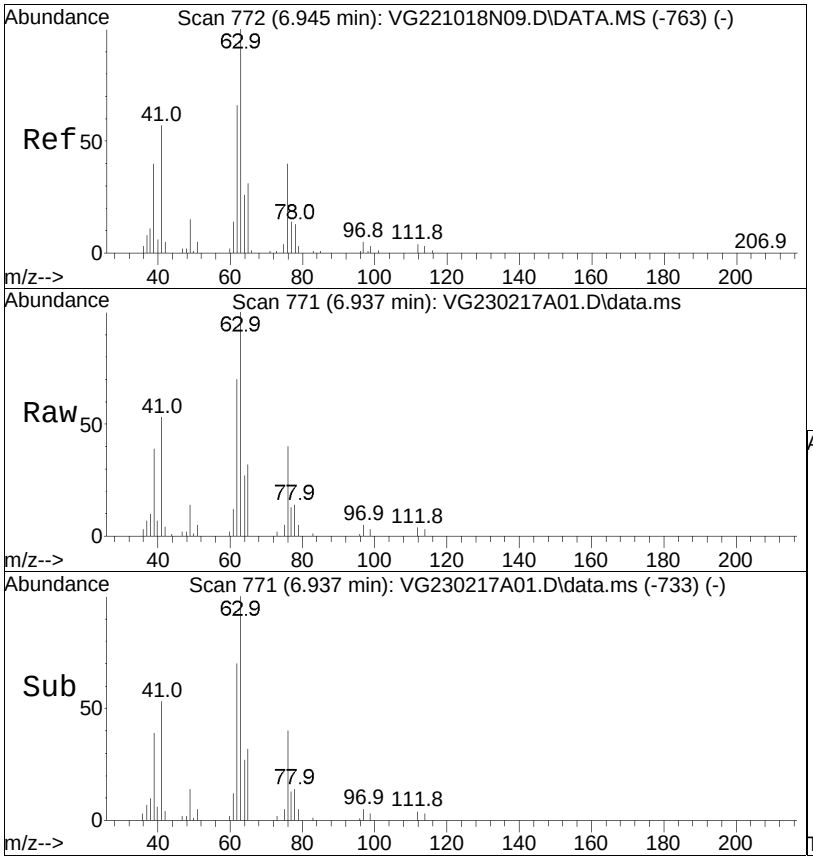


#50
Dibromomethane
Concen: 9.54 ug/L
RT: 6.831 min Scan# 757
Delta R.T. -0.015 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 93 Resp: 32024

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.6	100.0
174	103.1	90.5	135.7

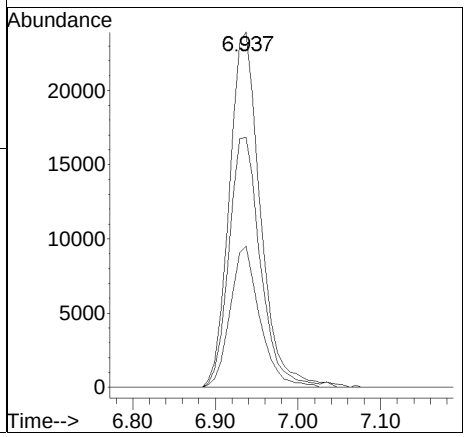


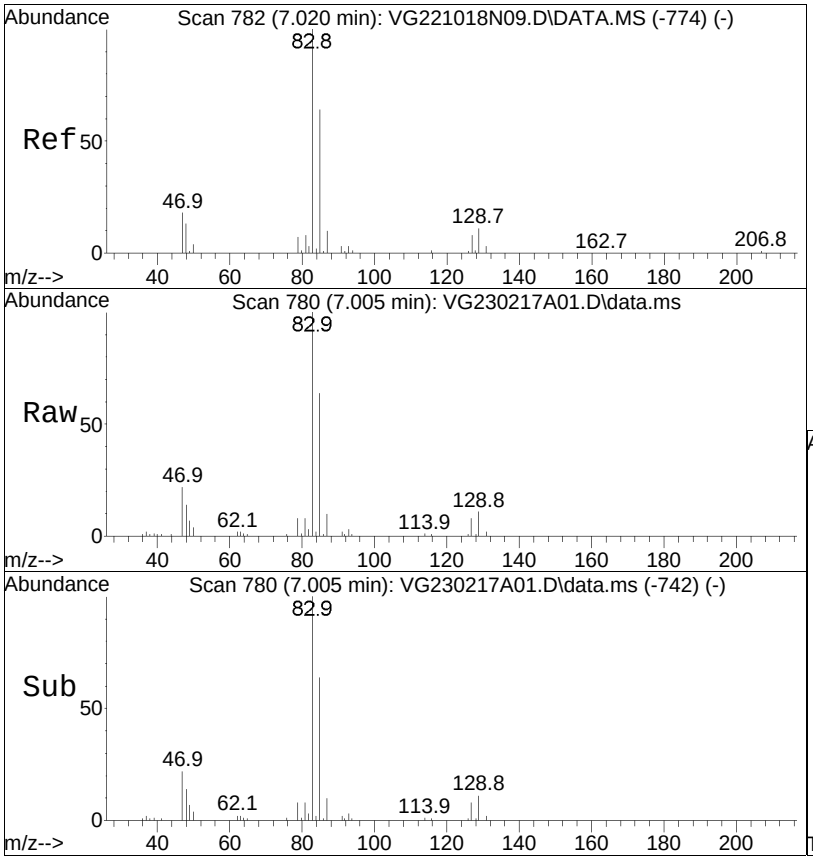


#51
1,2-Dichloropropane
Concen: 9.97 ug/L
RT: 6.937 min Scan# 771
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 63 Resp: 61404

Ion	Ratio	Lower	Upper
63	100		
62	71.8	56.5	84.7
76	38.4	34.6	52.0

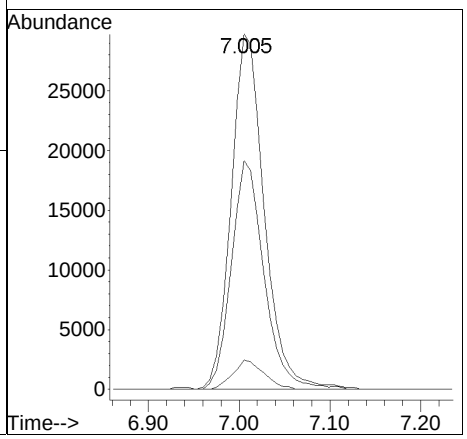


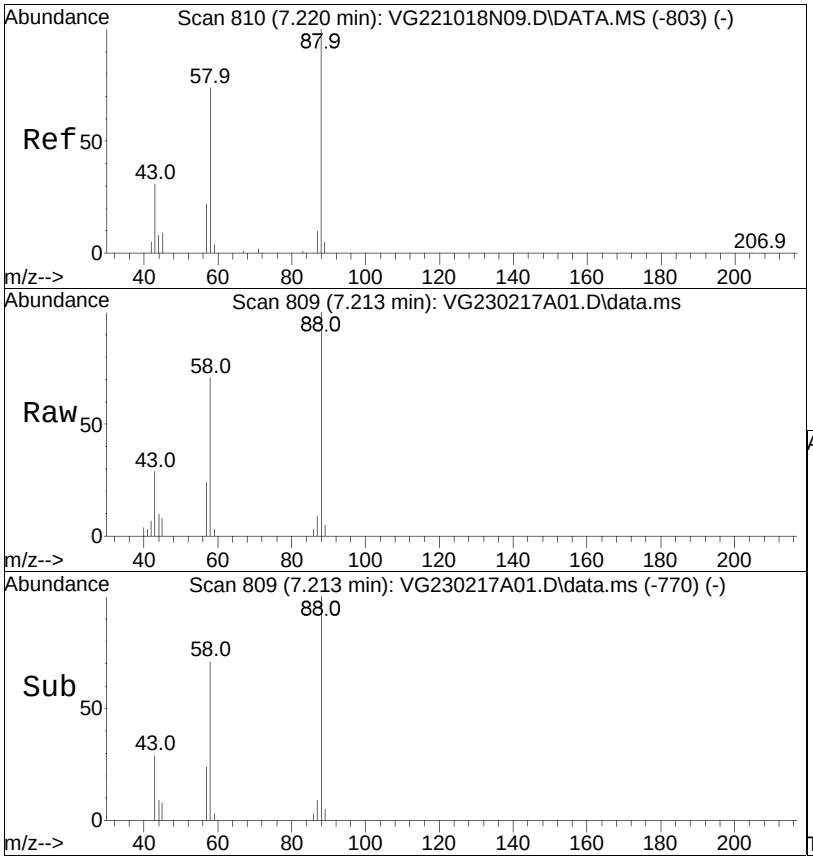


#54
Bromodichloromethane
Concen: 9.20 ug/L
RT: 7.005 min Scan# 780
Delta R.T. -0.015 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 83 Resp: 75123

Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.8	76.2
127	7.9	7.4	11.2

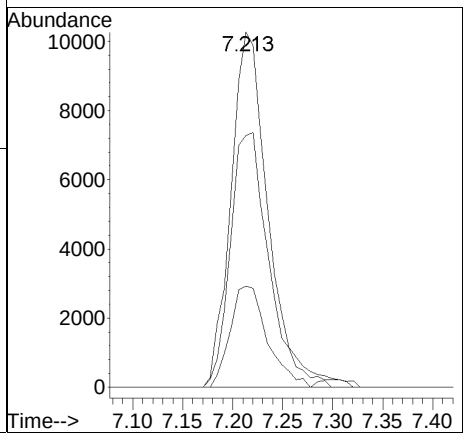


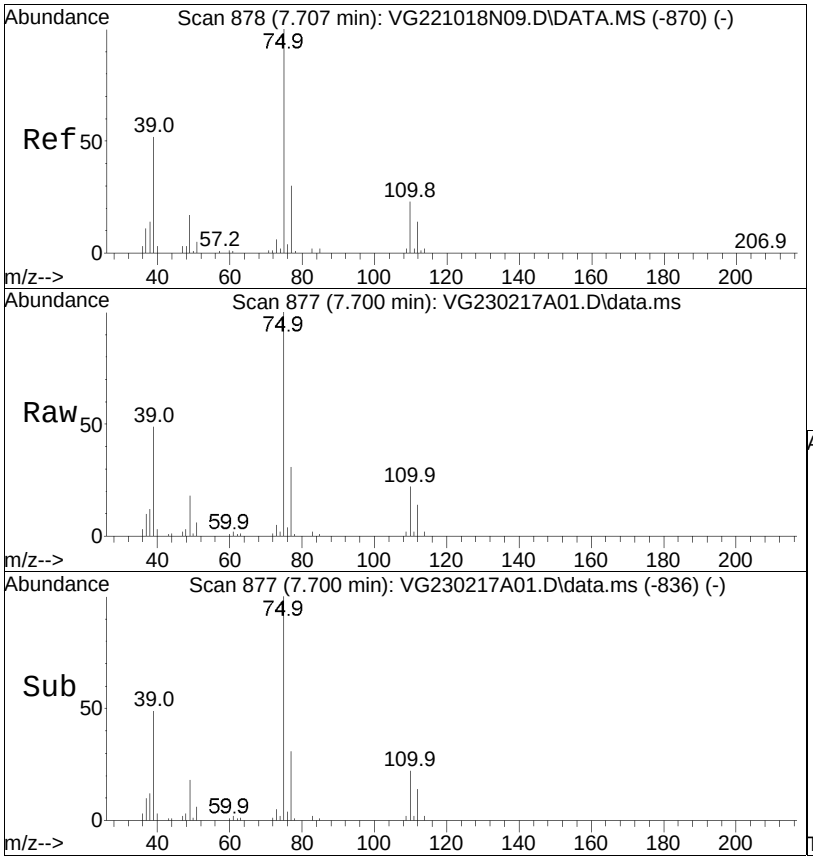


#57
1,4-Dioxane
Concen: 454.88 ug/L
RT: 7.213 min Scan# 809
Delta R.T. -0.015 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 88 Resp: 26886

Ion	Ratio	Lower	Upper
88	100		
58	74.3	48.7	73.1#
43	28.3	22.4	33.6

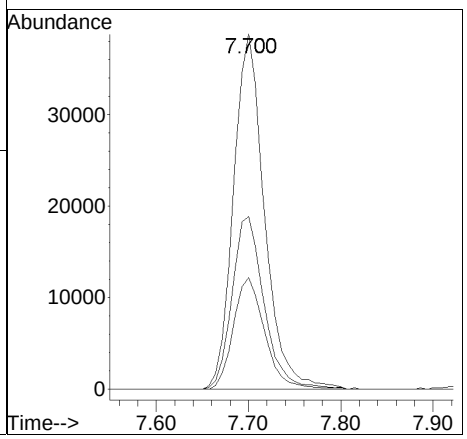


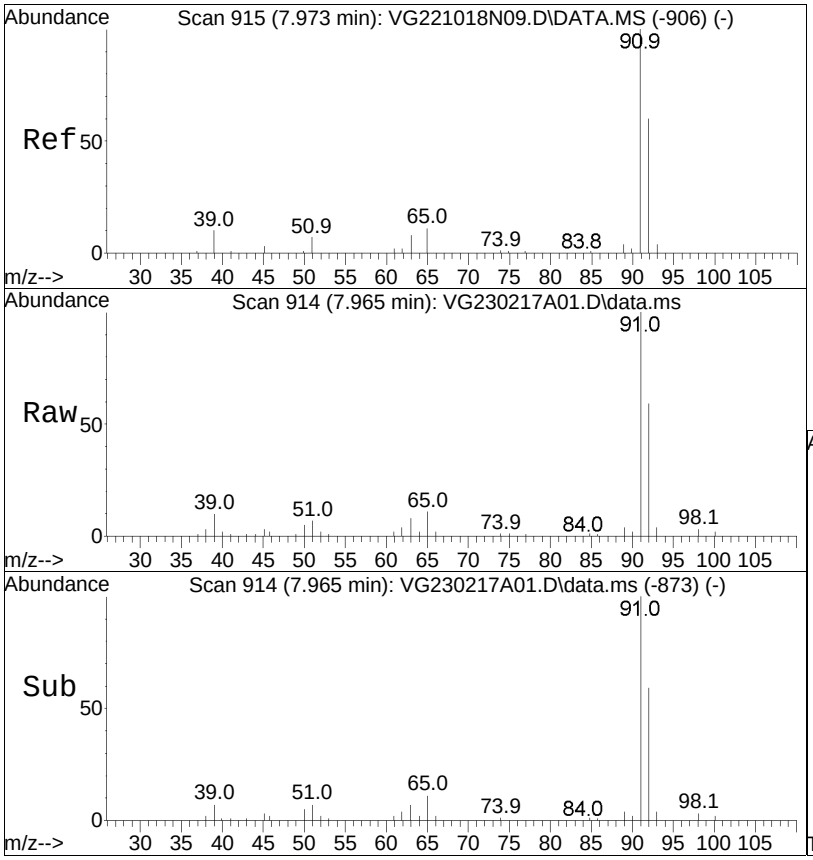


#58
cis-1,3-Dichloropropene
Concen: 9.06 ug/L
RT: 7.700 min Scan# 877
Delta R.T. -0.007 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 75 Resp: 90896

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.6	36.8
39	50.3	40.8	61.2

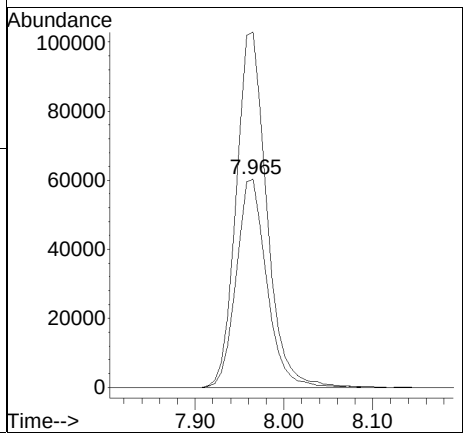


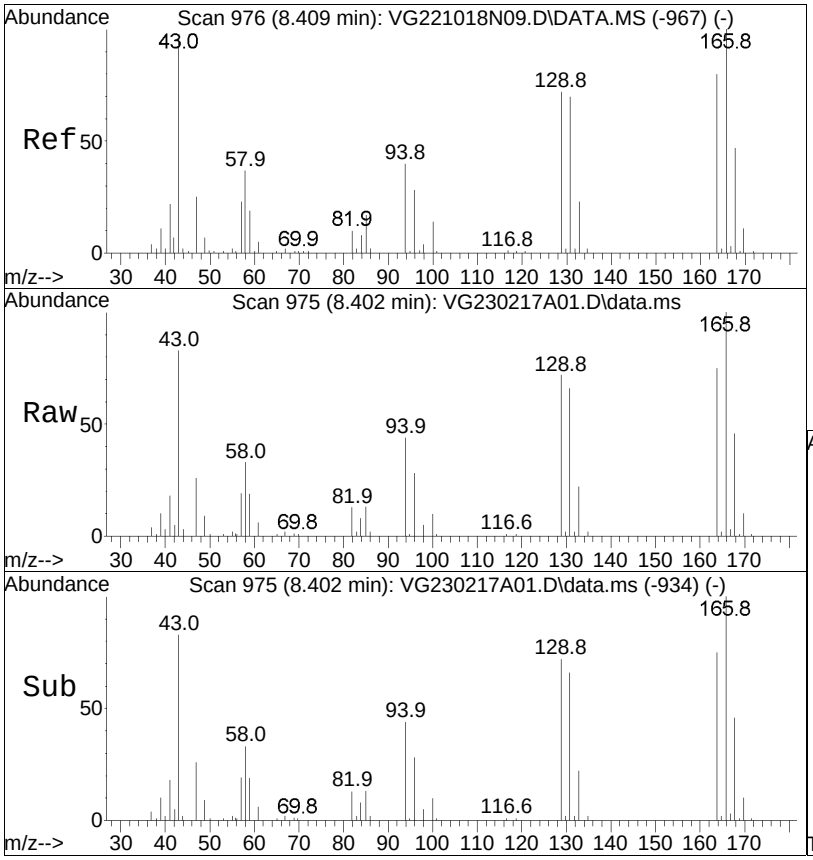


#61
Toluene
Concen: 9.73 ug/L
RT: 7.965 min Scan# 914
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 92 Resp: 143751

Ion	Ratio	Lower	Upper
92	100		
91	170.9	134.8	202.2

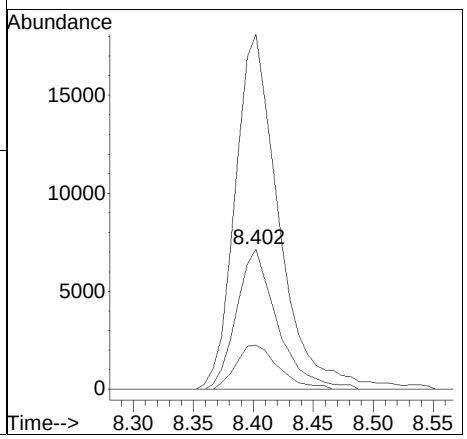


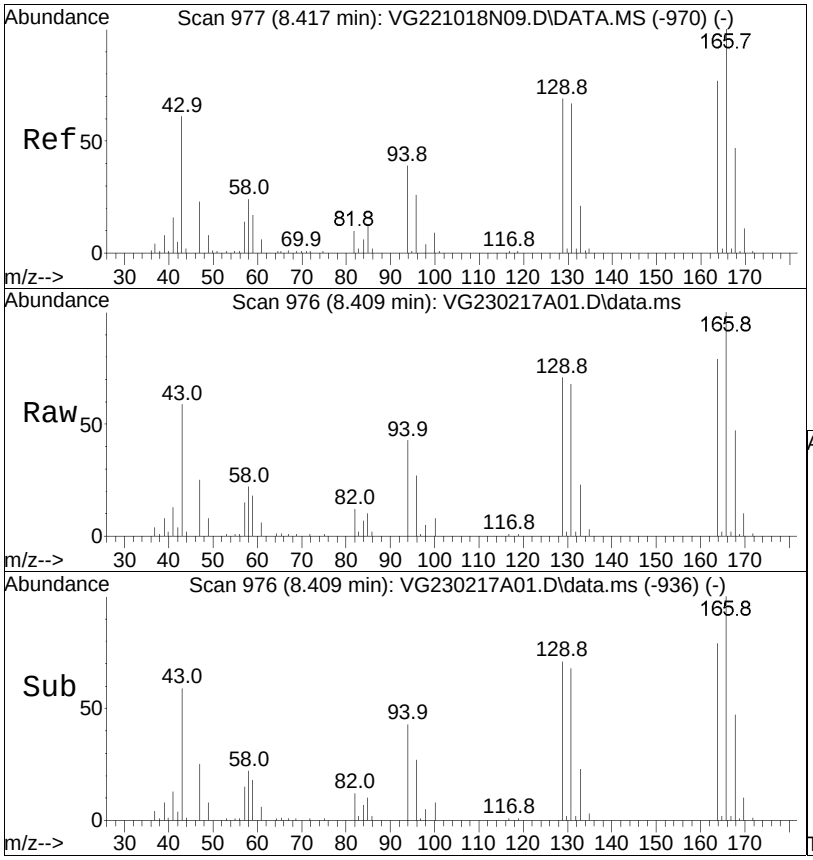


#62
4-Methyl-2-pentanone
Concen: 7.89 ug/L
RT: 8.402 min Scan# 975
Delta R.T. -0.007 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 58 Resp: 16987

Ion	Ratio	Lower	Upper
58	100		
100	33.2	33.6	50.4#
43	273.8	204.3	306.5

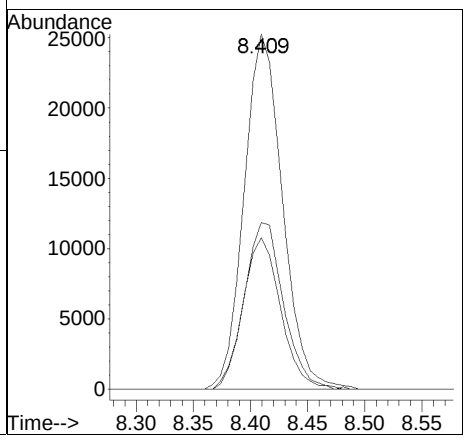


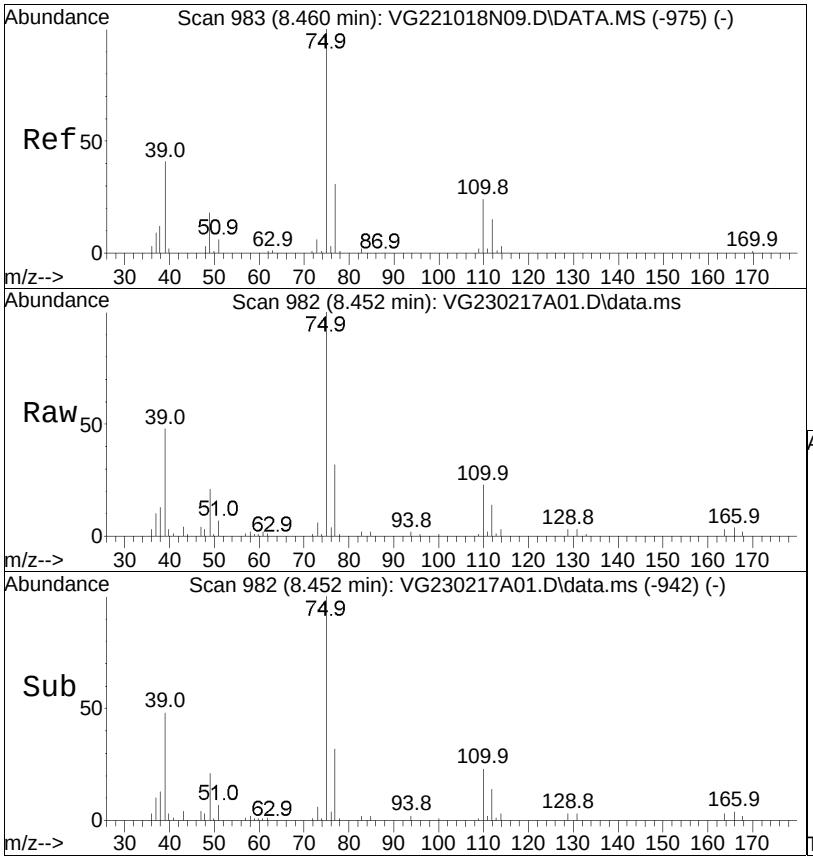


#63
Tetrachloroethene
Concen: 8.98 ug/L
RT: 8.409 min Scan# 976
Delta R.T. -0.015 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:166 Resp: 59174

Ion	Ratio	Lower	Upper
166	100		
168	47.8	27.3	67.3
94	42.1	20.5	60.5

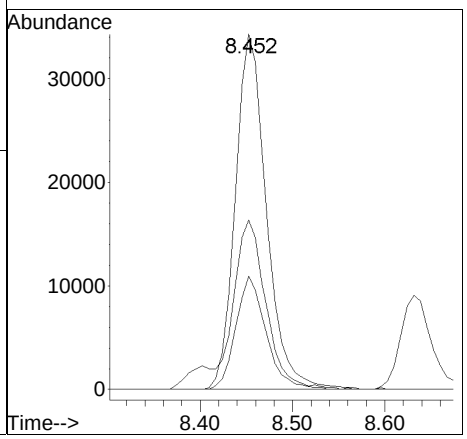


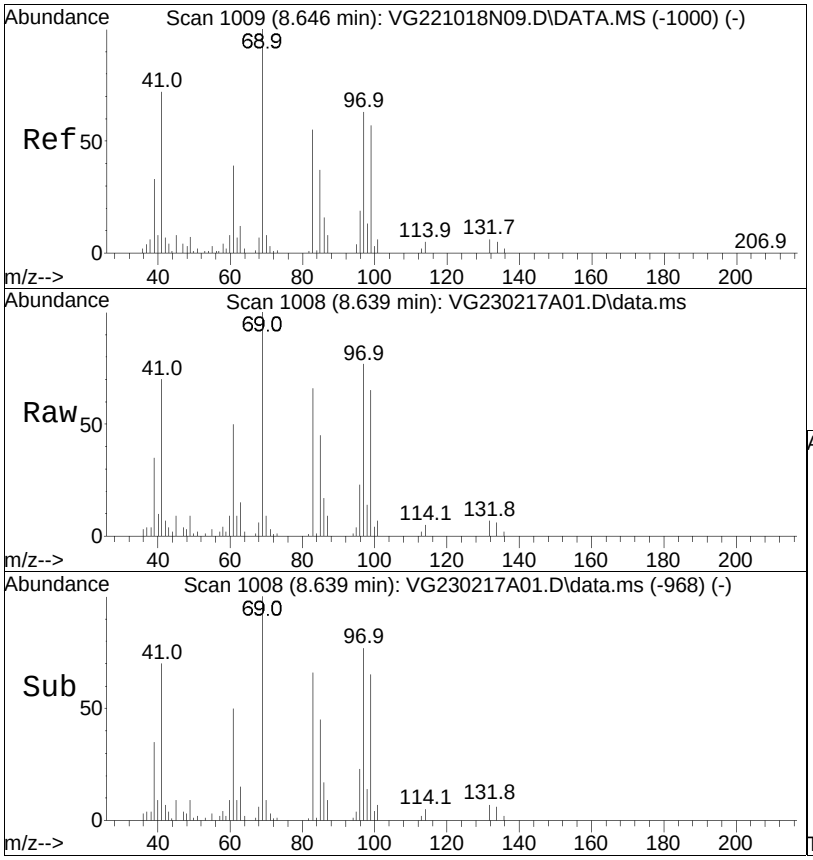


#65
trans-1,3-Dichloropropene
Concen: 9.59 ug/L
RT: 8.452 min Scan# 982
Delta R.T. -0.015 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 75 Resp: 80523

Ion	Ratio	Lower	Upper
75	100		
77	30.8	11.3	51.3
39	54.7	36.0	76.0

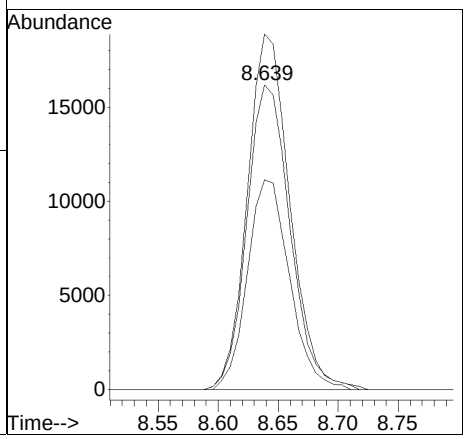


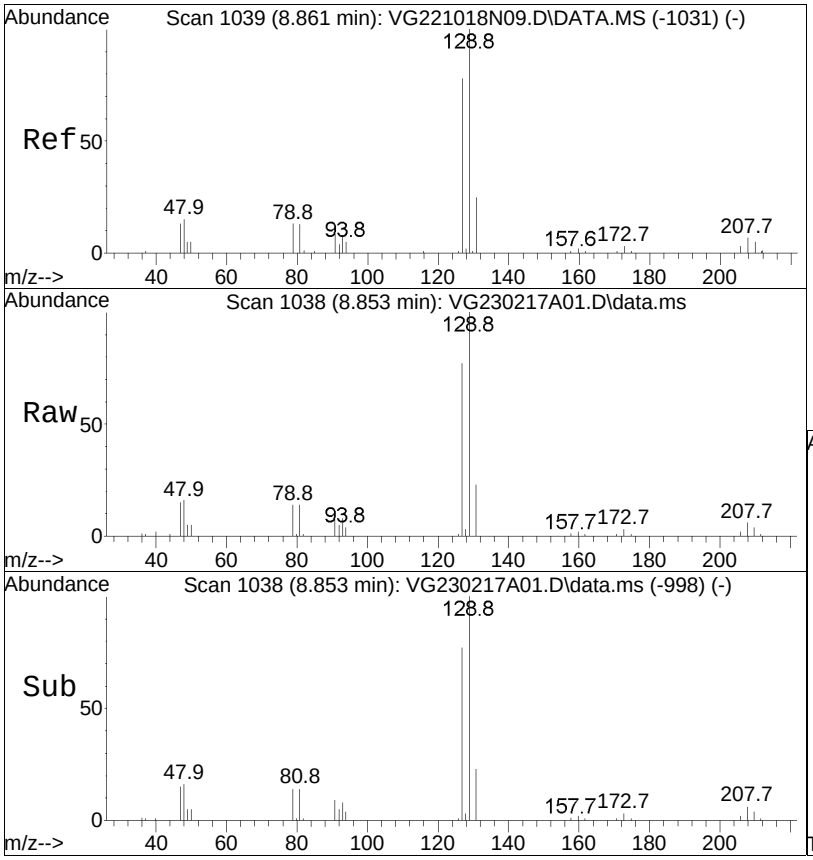


#68
1,1,2-Trichloroethane
Concen: 9.29 ug/L
RT: 8.639 min Scan# 1008
Delta R.T. -0.014 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 83 Resp: 40517

Ion	Ratio	Lower	Upper
83	100		
97	114.9	101.0	141.0
85	67.3	47.9	87.9

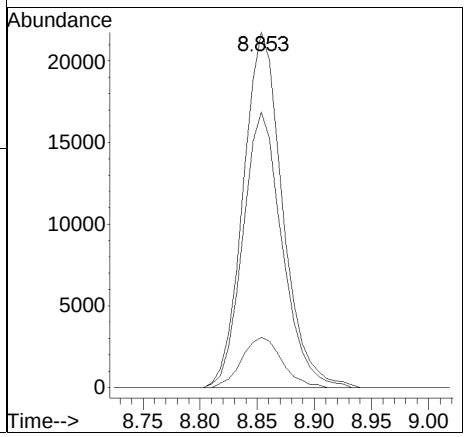


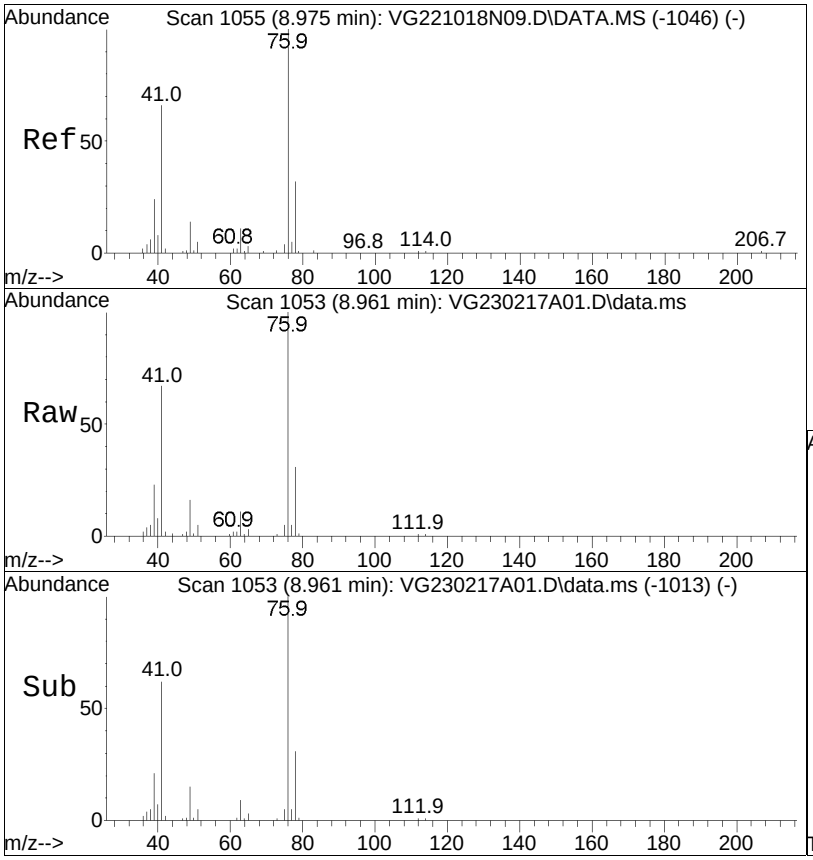


#69
Chlorodibromomethane
Concen: 9.26 ug/L
RT: 8.853 min Scan# 1038
Delta R.T. -0.015 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:129 Resp: 52183

Ion	Ratio	Lower	Upper
129	100		
81	14.3	0.0	35.0
127	77.3	57.1	97.1

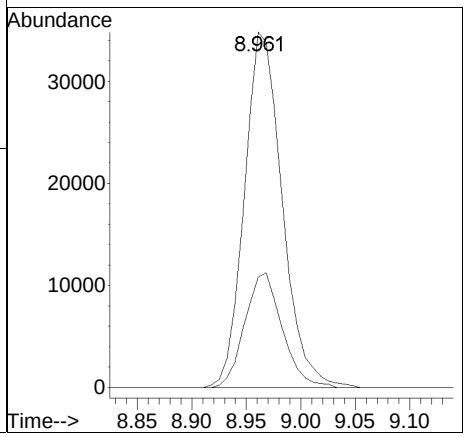


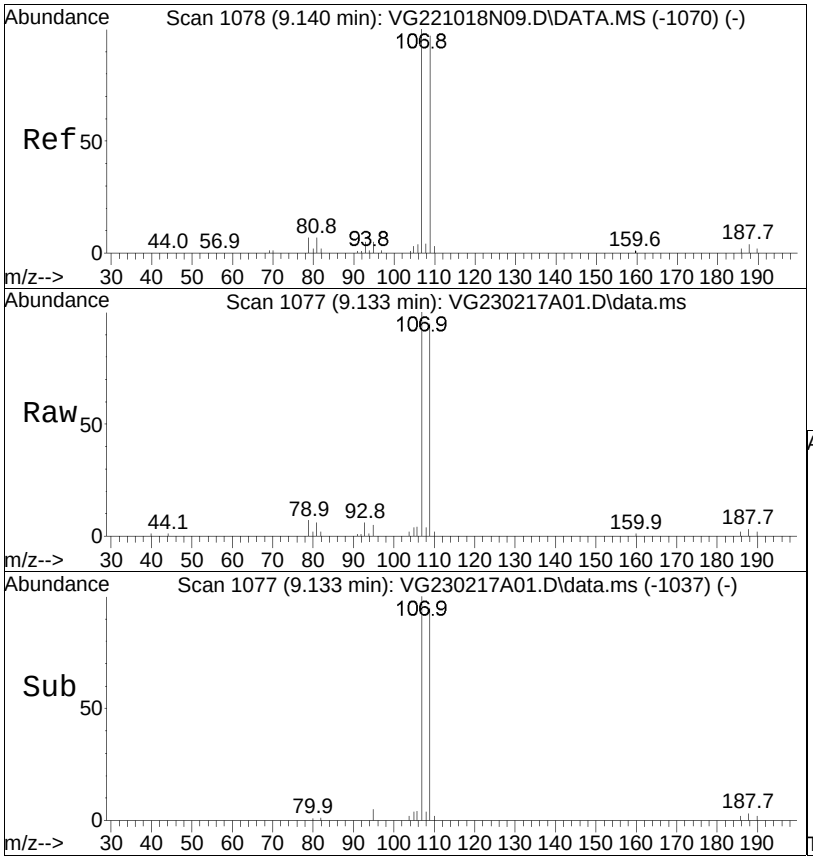


#70
1,3-Dichloropropane
Concen: 9.95 ug/L
RT: 8.961 min Scan# 1053
Delta R.T. -0.014 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 76 Resp: 83918

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.4	38.2

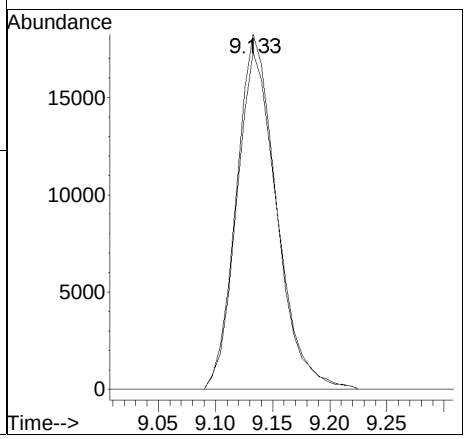


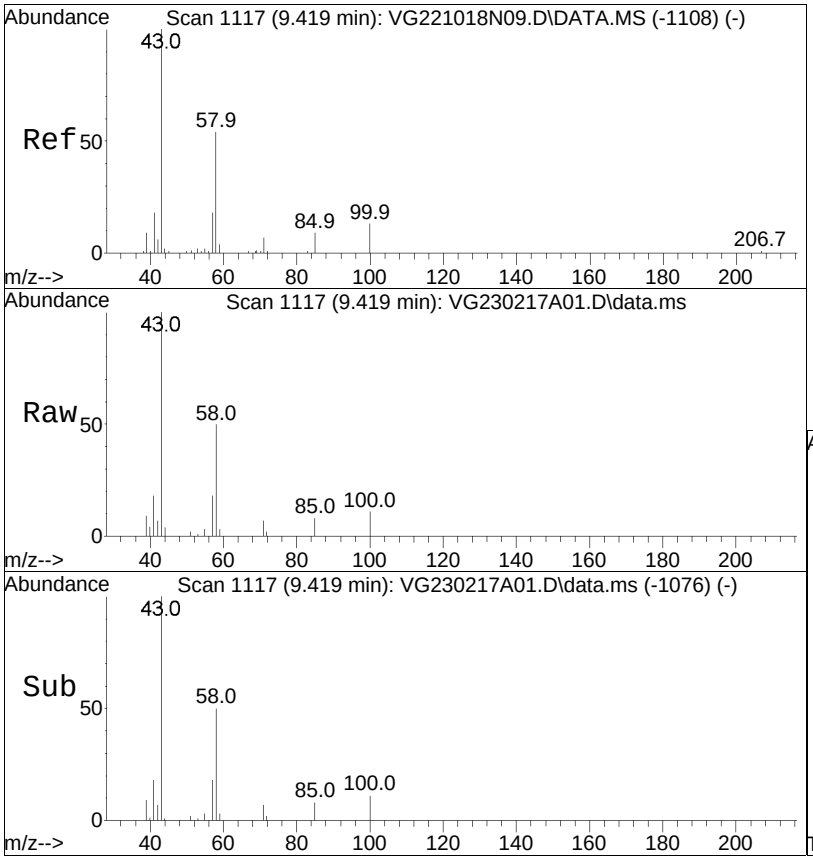


#71
1,2-Dibromoethane
Concen: 9.25 ug/L
RT: 9.133 min Scan# 1077
Delta R.T. -0.014 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:107 Resp: 44845

Ion	Ratio	Lower	Upper
107	100		
109	94.6	76.0	114.0

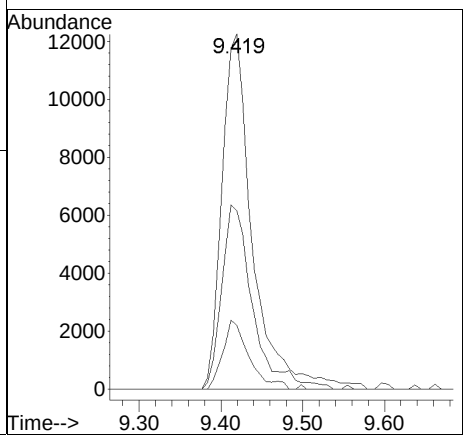


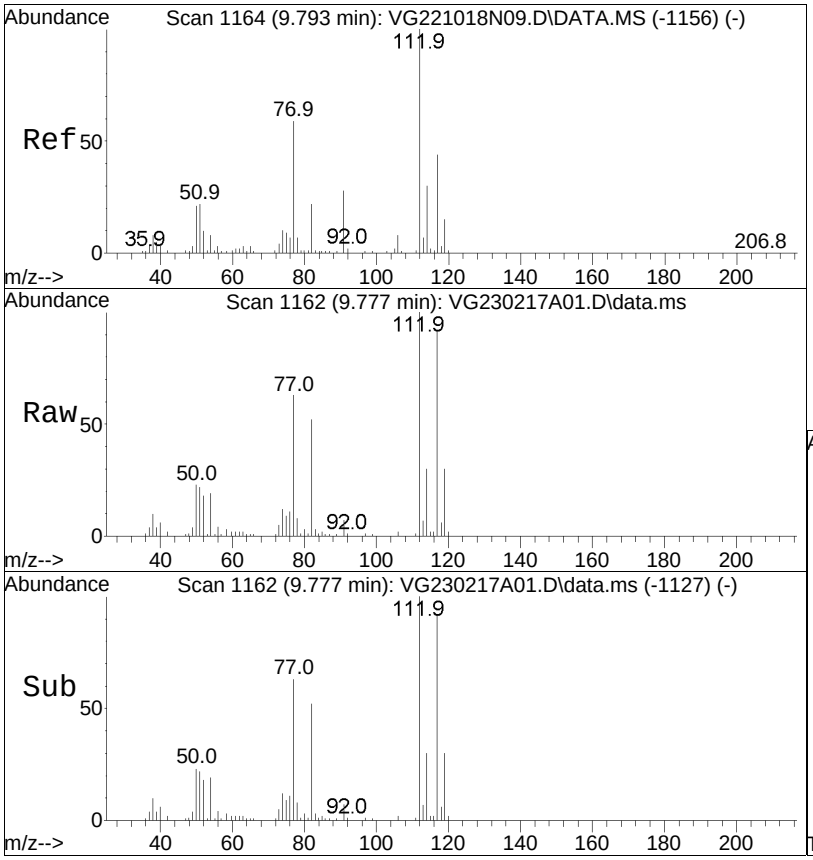


#72
2-Hexanone
Concen: 8.35 ug/L
RT: 9.419 min Scan# 1117
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 43 Resp: 33434

Ion	Ratio	Lower	Upper
43	100		
58	51.7	43.8	65.6
57	16.0	15.2	22.8

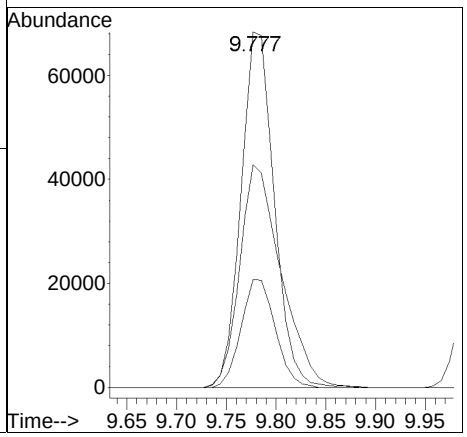


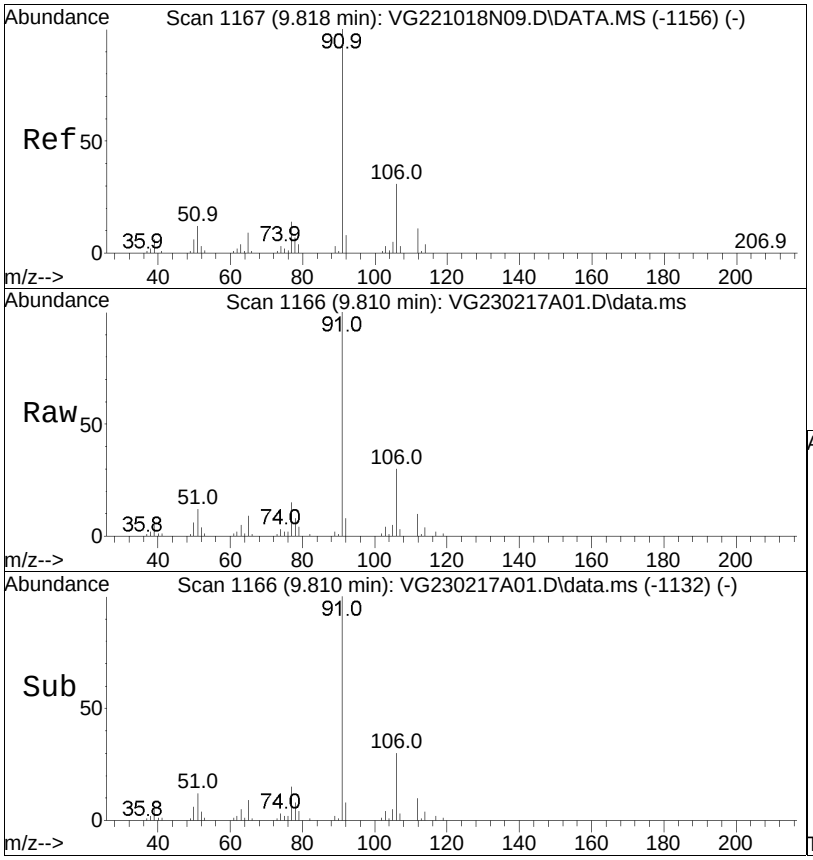


#73
Chlorobenzene
Concen: 9.90 ug/L
RT: 9.777 min Scan# 1162
Delta R.T. -0.016 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:112 Resp: 158704

Ion	Ratio	Lower	Upper
112	100		
77	77.9	55.9	83.9
114	31.2	25.4	38.0

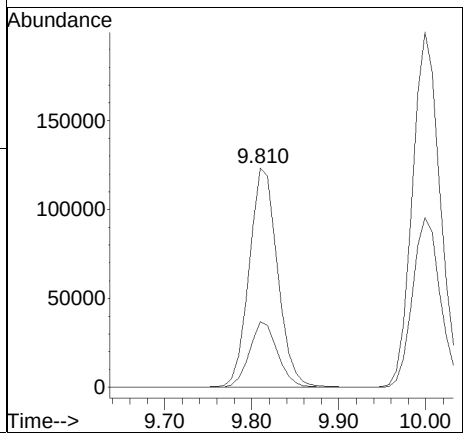


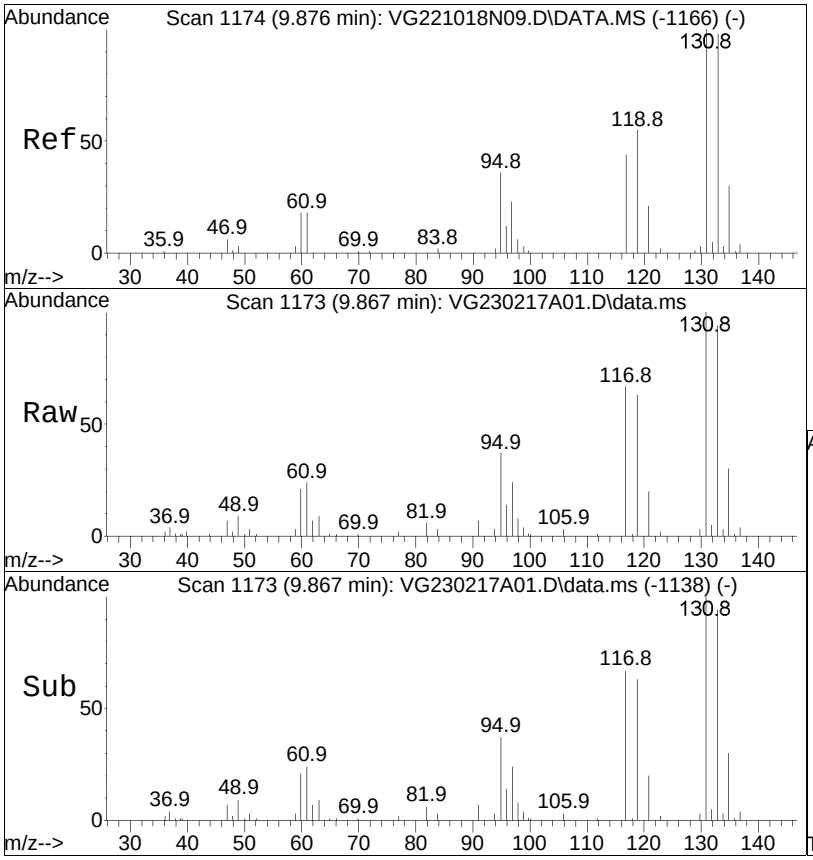


#74
Ethylbenzene
Concen: 9.72 ug/L
RT: 9.810 min Scan# 1166
Delta R.T. -0.016 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 91 Resp: 280738

Ion	Ratio	Lower	Upper
91	100		
106	29.5	25.3	37.9

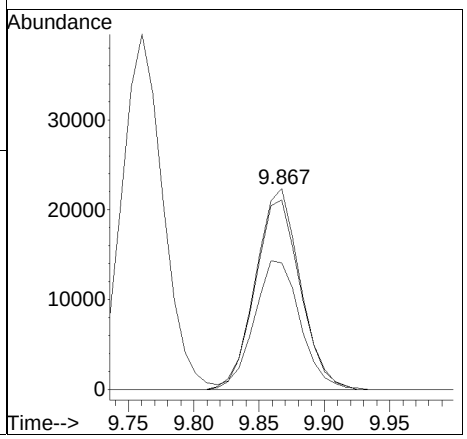


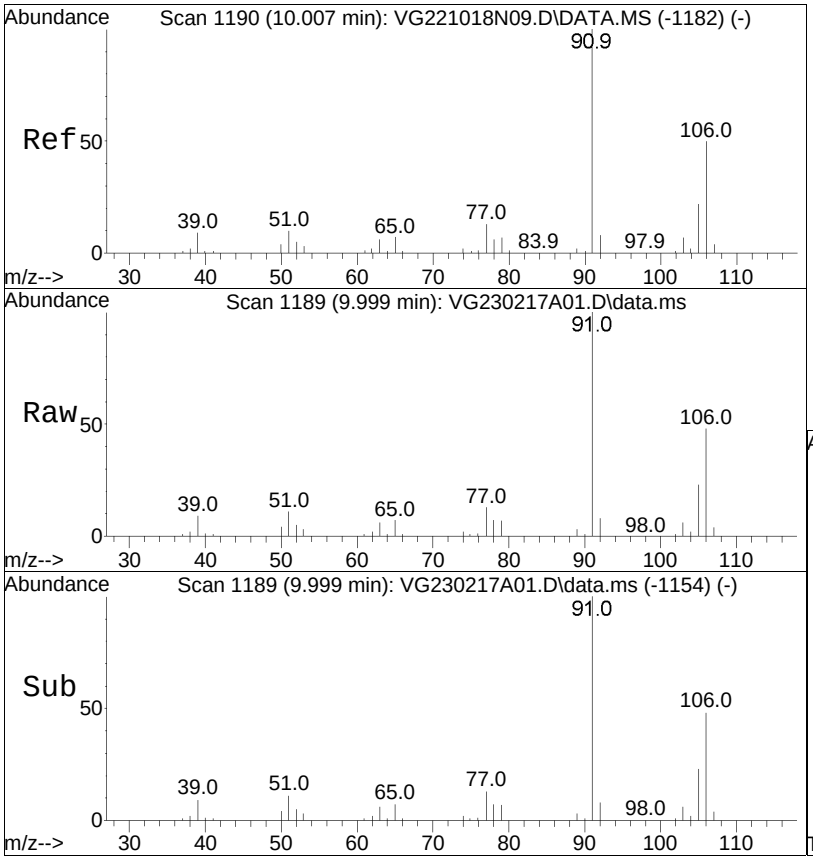


#75
1,1,1,2-Tetrachloroethane
Concen: 9.39 ug/L
RT: 9.867 min Scan# 1173
Delta R.T. -0.009 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:131 Resp: 53208

Ion	Ratio	Lower	Upper
131	100		
133	95.4	77.3	117.3
119	65.8	42.7	82.7

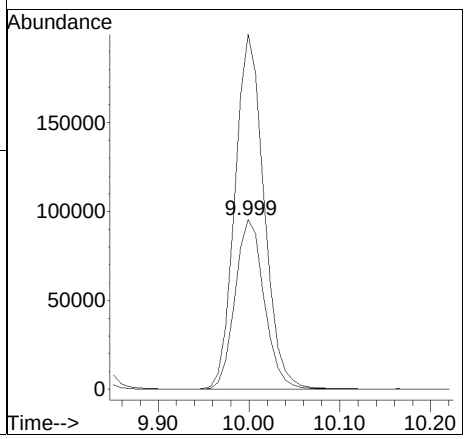


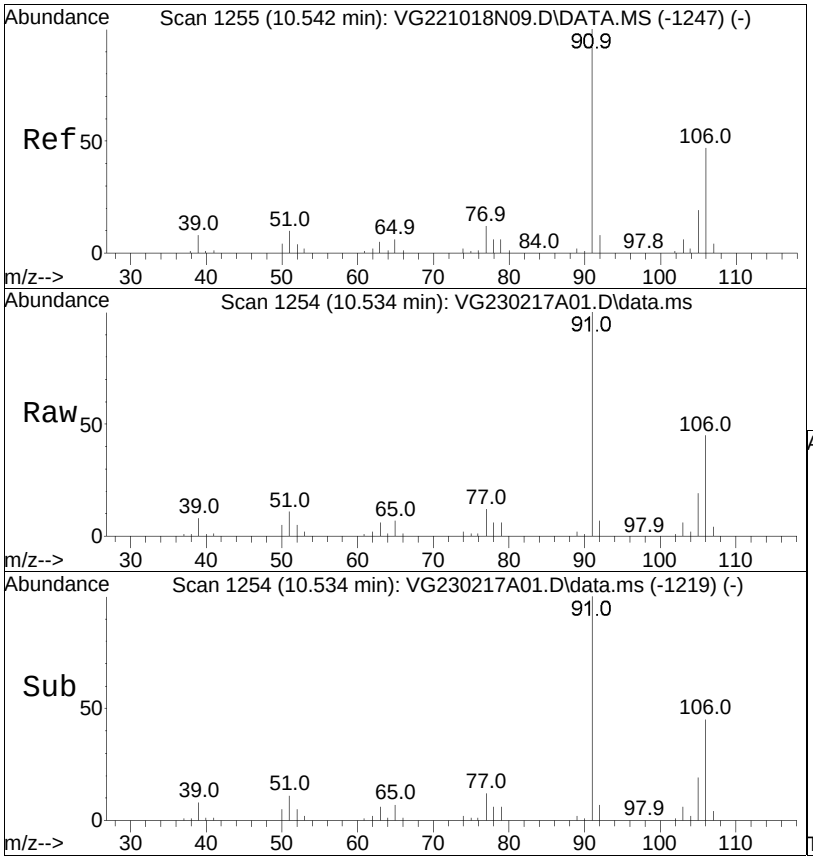


#76
p/m Xylene
Concen: 18.98 ug/L
RT: 9.999 min Scan# 1189
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:106 Resp: 214401

Ion	Ratio	Lower	Upper
106	100		
91	207.9	157.1	235.7

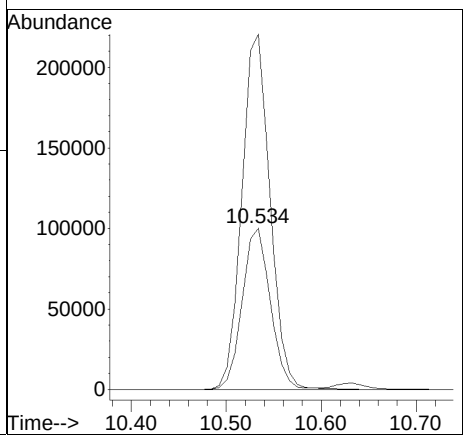


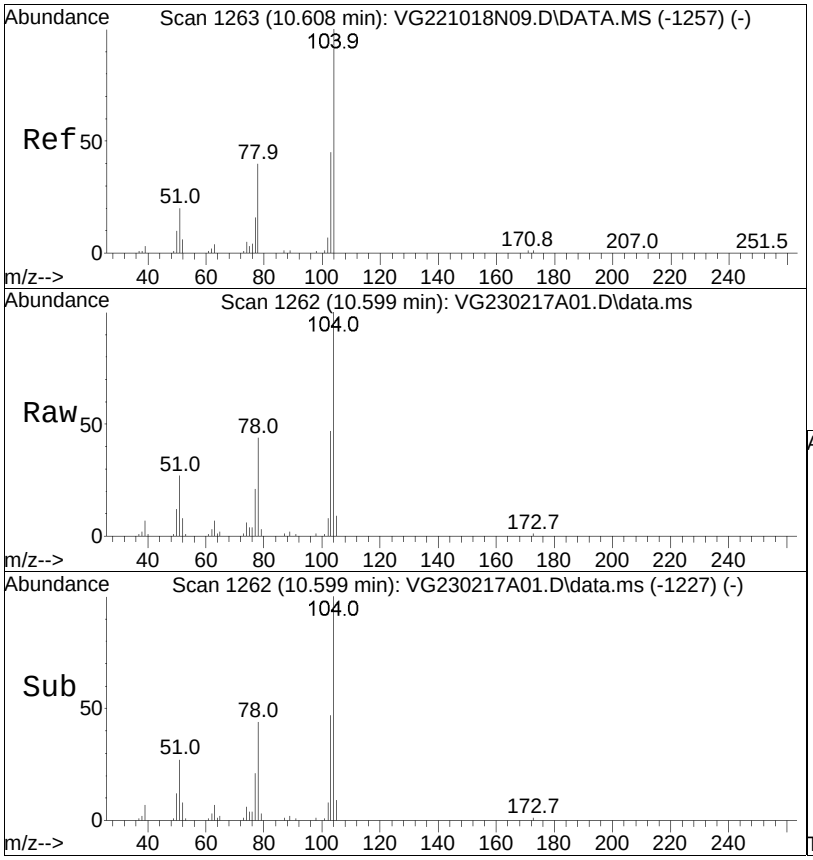


#77
o Xylene
Concen: 19.31 ug/L
RT: 10.534 min Scan# 1254
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:106 Resp: 206925

Ion	Ratio	Lower	Upper
106	100		
91	219.2	164.7	247.1

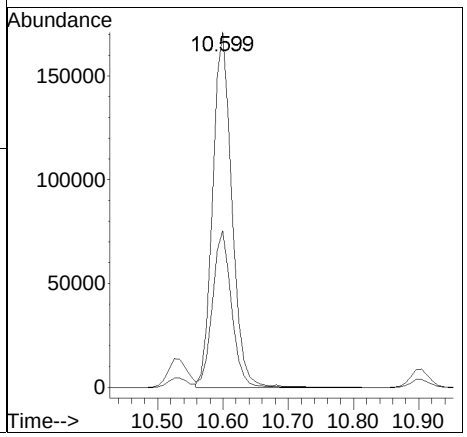


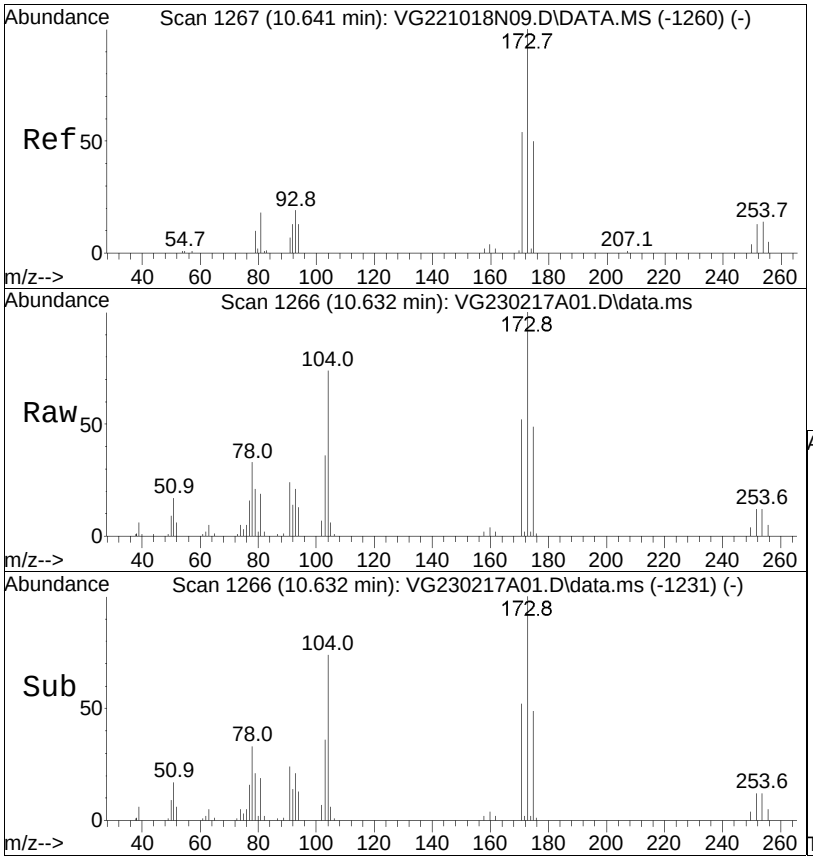


#78
Styrene
Concen: 19.91 ug/L
RT: 10.599 min Scan# 1262
Delta R.T. -0.009 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:104 Resp: 349018

Ion	Ratio	Lower	Upper
104	100		
78	43.8	32.2	48.4

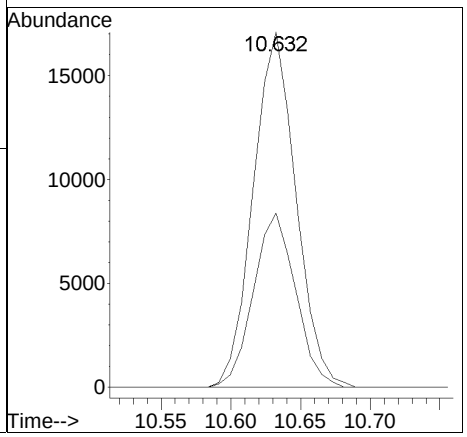


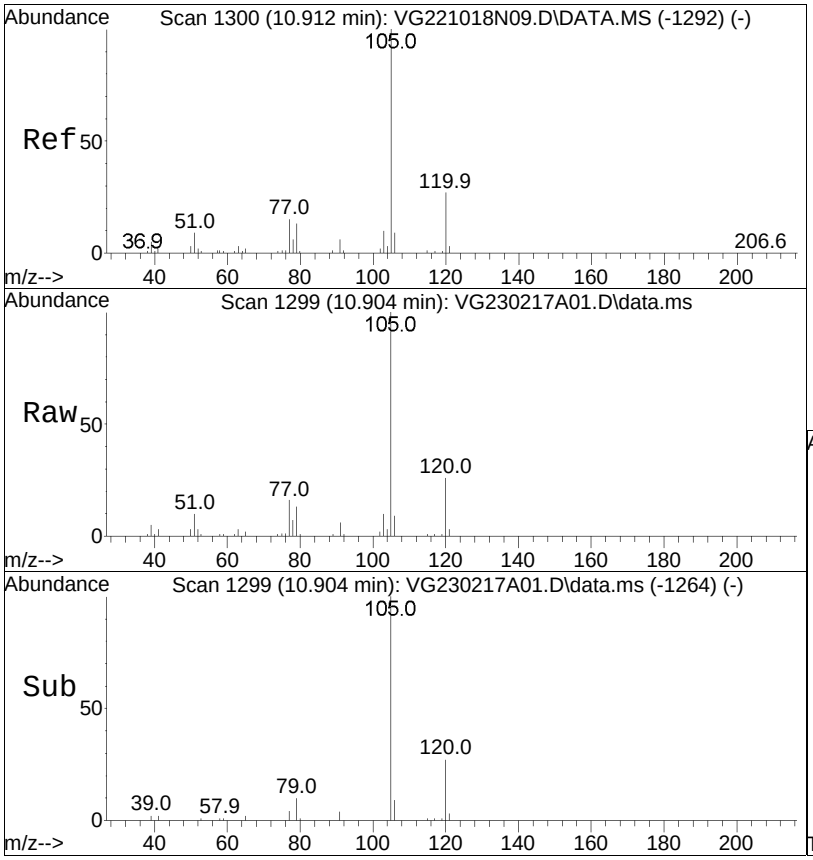


#80
Bromoform
Concen: 9.19 ug/L
RT: 10.632 min Scan# 1266
Delta R.T. -0.009 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:173 Resp: 36520

Ion	Ratio	Lower	Upper
173	100		
175	48.4	28.0	68.0

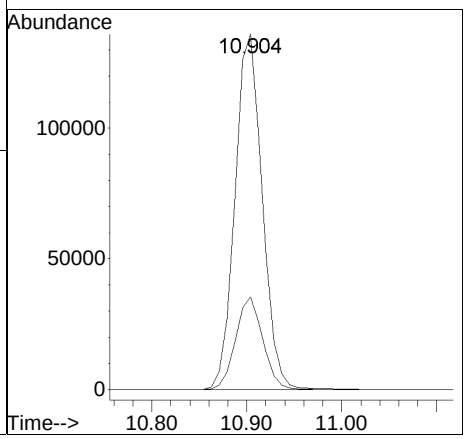


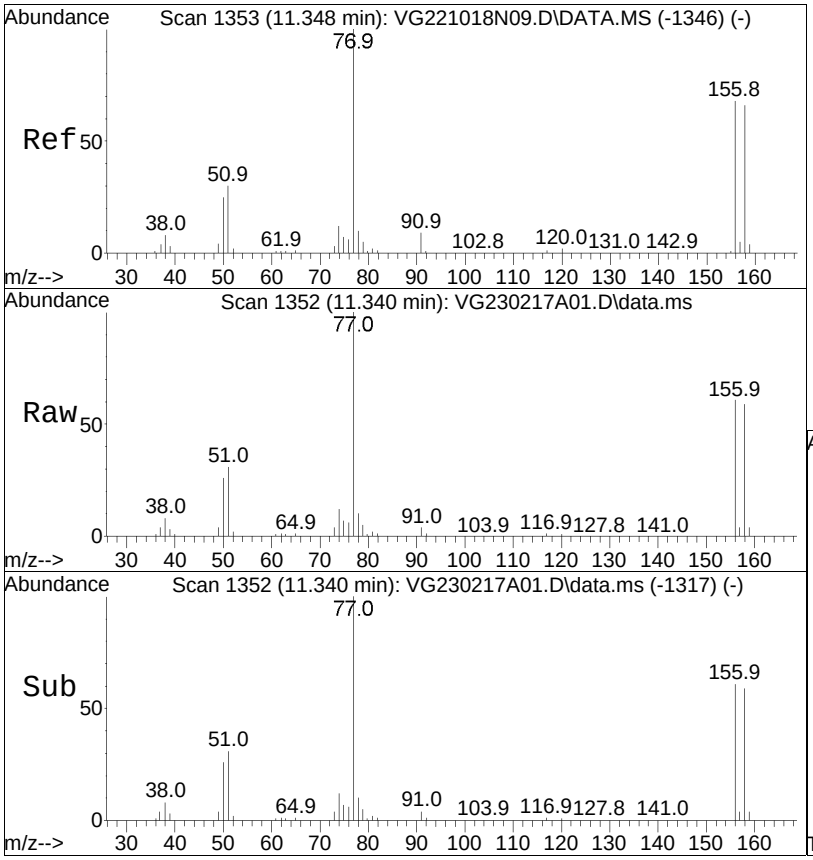


#82
Isopropylbenzene
Concen: 9.73 ug/L
RT: 10.904 min Scan# 1299
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:105 Resp: 271169

Ion	Ratio	Lower	Upper
105	100		
120	25.8	7.0	47.0

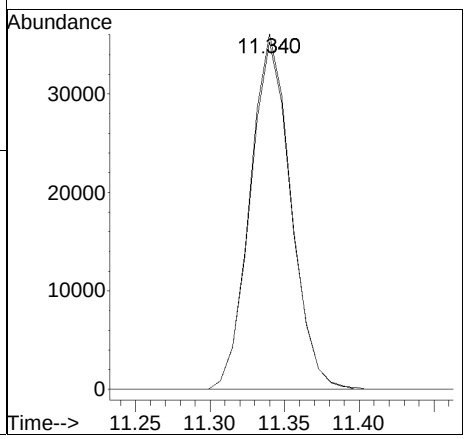


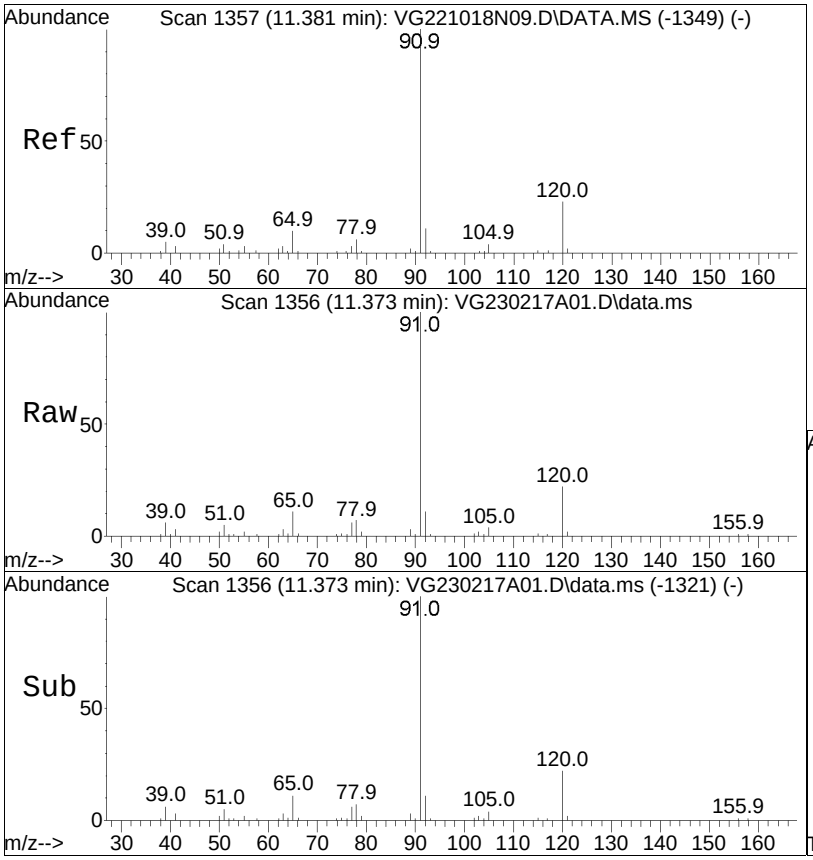


#84
Bromobenzene
Concen: 9.83 ug/L
RT: 11.340 min Scan# 1352
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:156 Resp: 68785

Ion	Ratio	Lower	Upper
156	100		
158	97.7	76.9	115.3

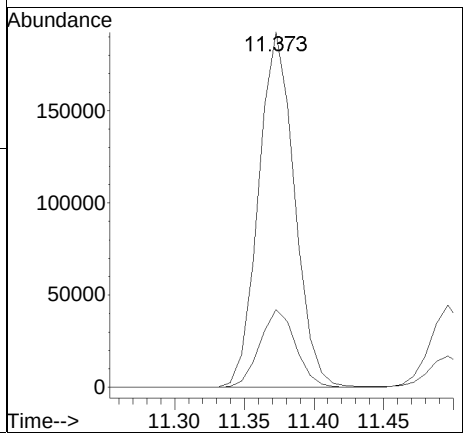


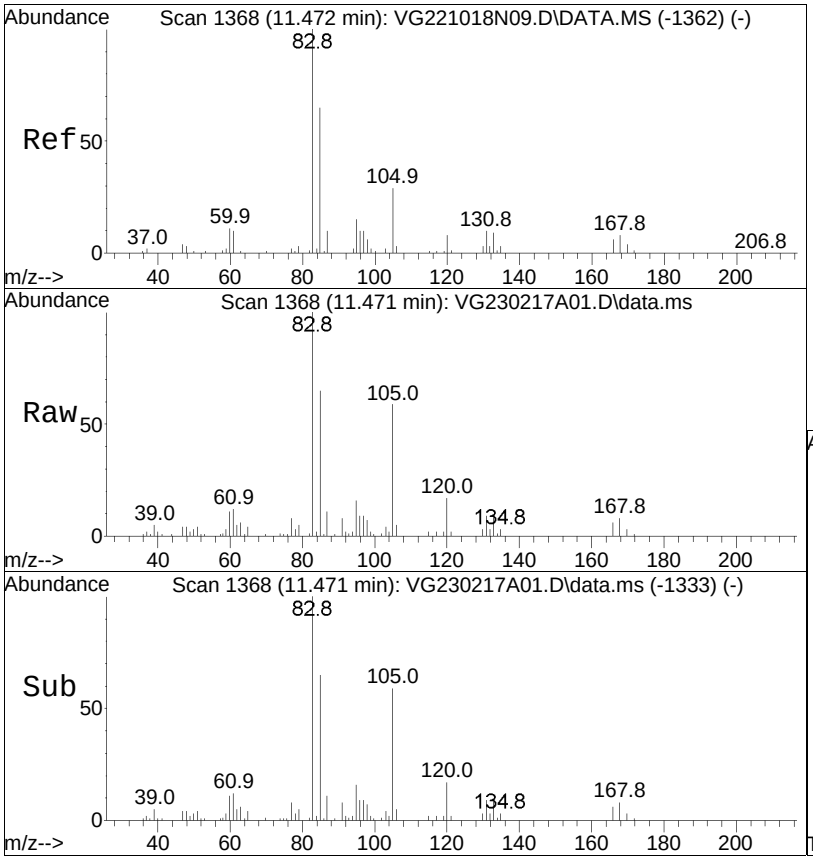


#85
n-Propylbenzene
Concen: 10.23 ug/L
RT: 11.373 min Scan# 1356
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 91 Resp: 346219

Ion	Ratio	Lower	Upper
91	100		
120	21.9	19.0	28.6

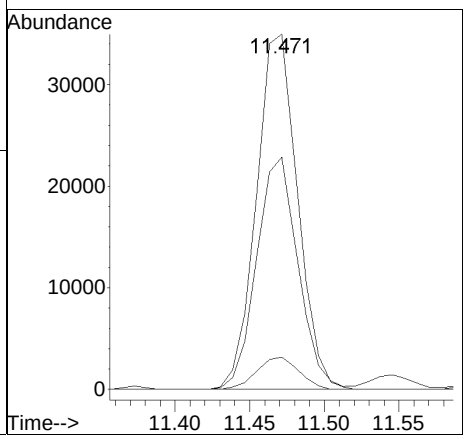


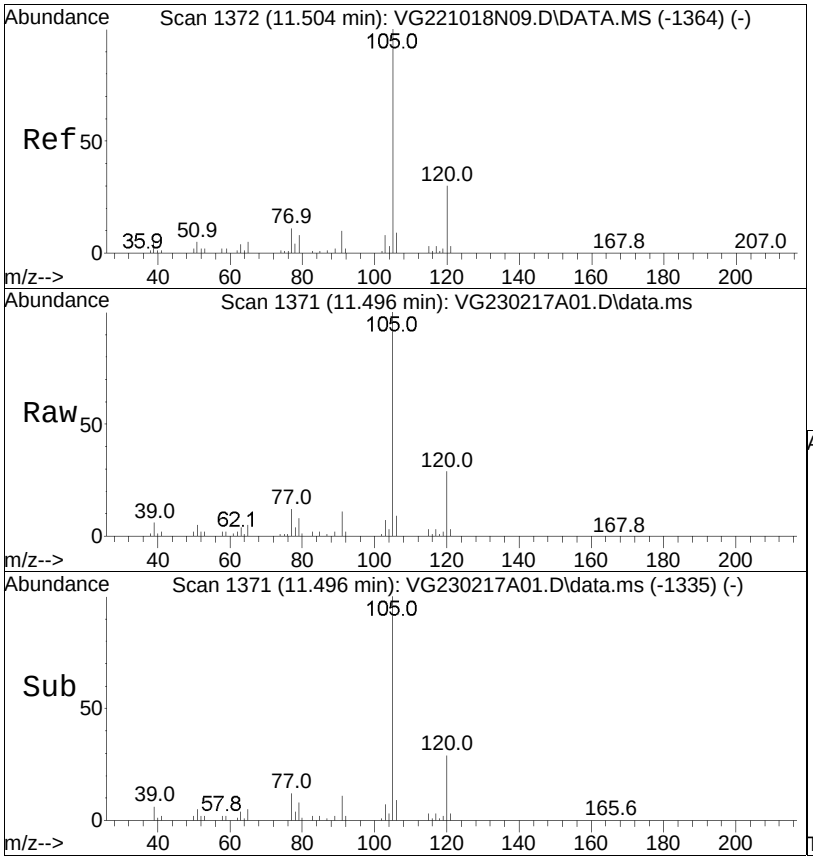


#87
1,1,2,2-Tetrachloroethane
Concen: 10.29 ug/L
RT: 11.471 min Scan# 1368
Delta R.T. -0.009 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 83 Resp: 67147

Ion	Ratio	Lower	Upper
83	100		
131	9.3	0.0	31.0
85	65.7	43.9	83.9

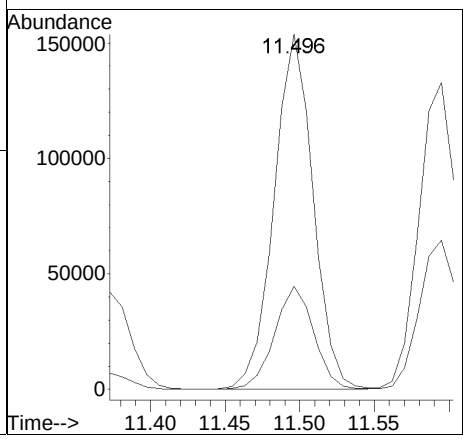


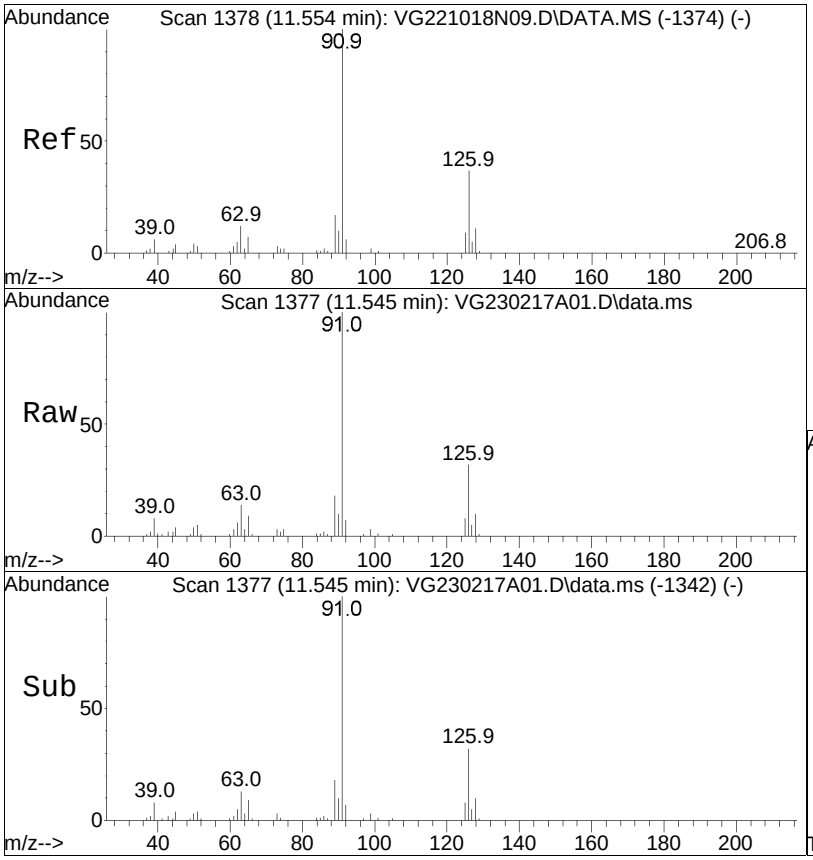


#88
4-Ethyltoluene
Concen: 9.99 ug/L
RT: 11.496 min Scan# 1371
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:105 Resp: 280252

Ion	Ratio	Lower	Upper
105	100		
120	29.1	19.9	41.3

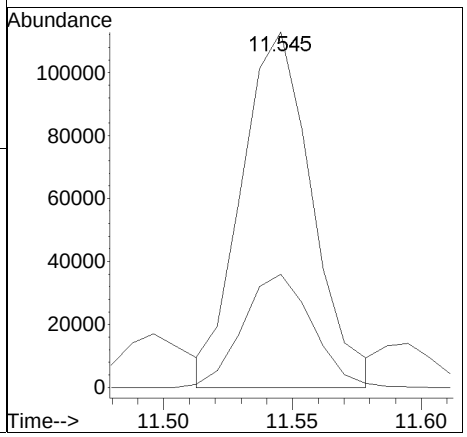


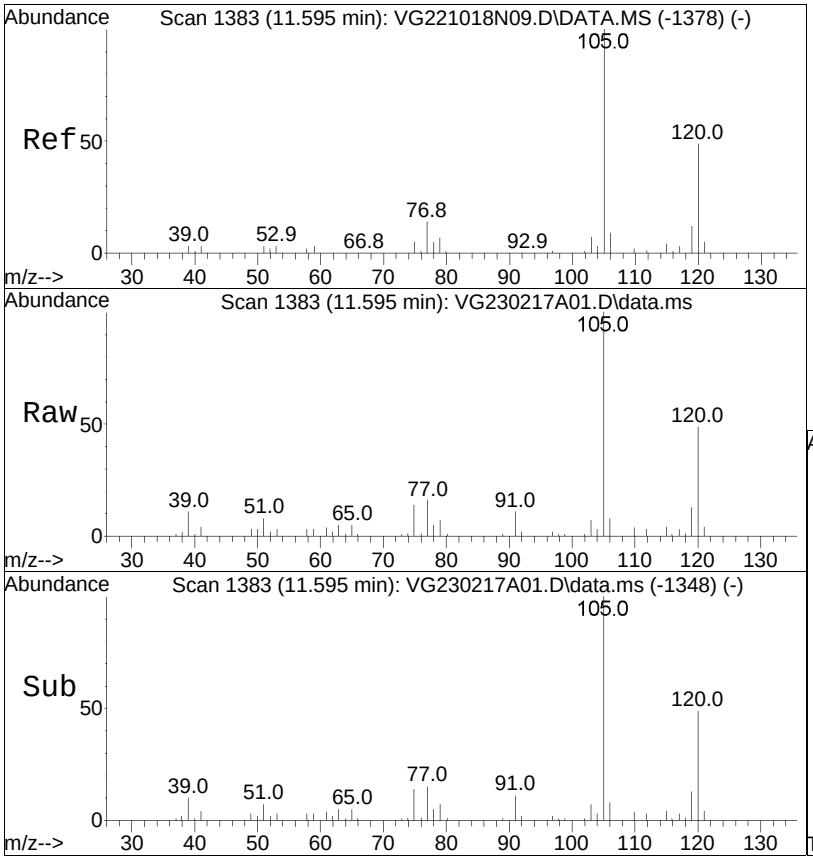


#89
2-Chlorotoluene
Concen: 10.81 ug/L M1
RT: 11.545 min Scan# 1377
Delta R.T. -0.009 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 91 Resp: 214748

Ion	Ratio	Lower	Upper
91	100		
126	31.5	27.4	41.2

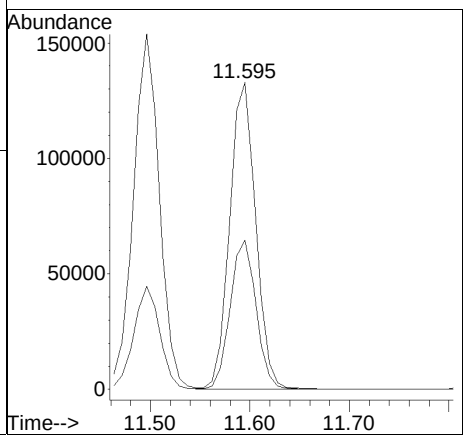


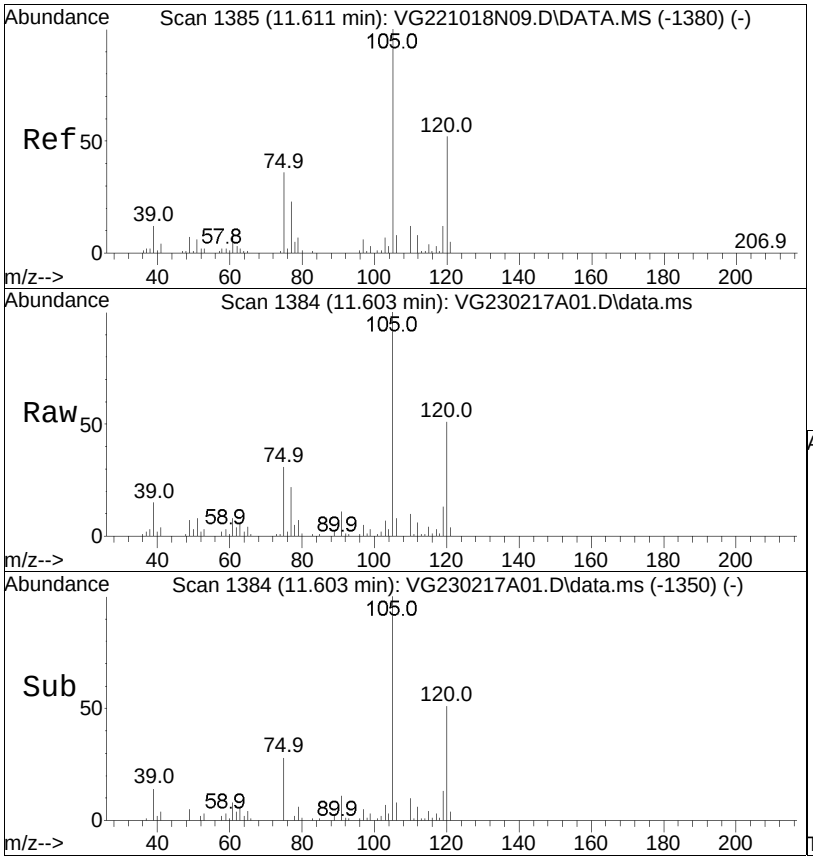


#90
1,3,5-Trimethylbenzene
Concen: 9.96 ug/L
RT: 11.595 min Scan# 1383
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:105 Resp: 242105

Ion	Ratio	Lower	Upper
105	100		
120	48.4	40.3	60.5

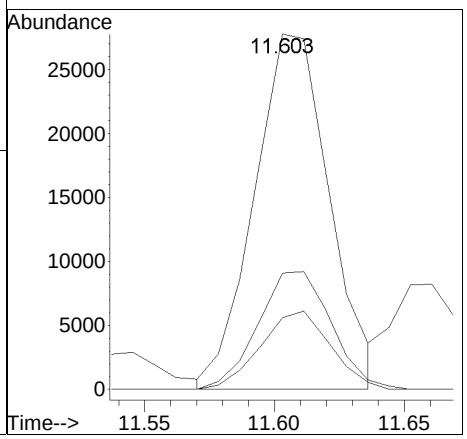


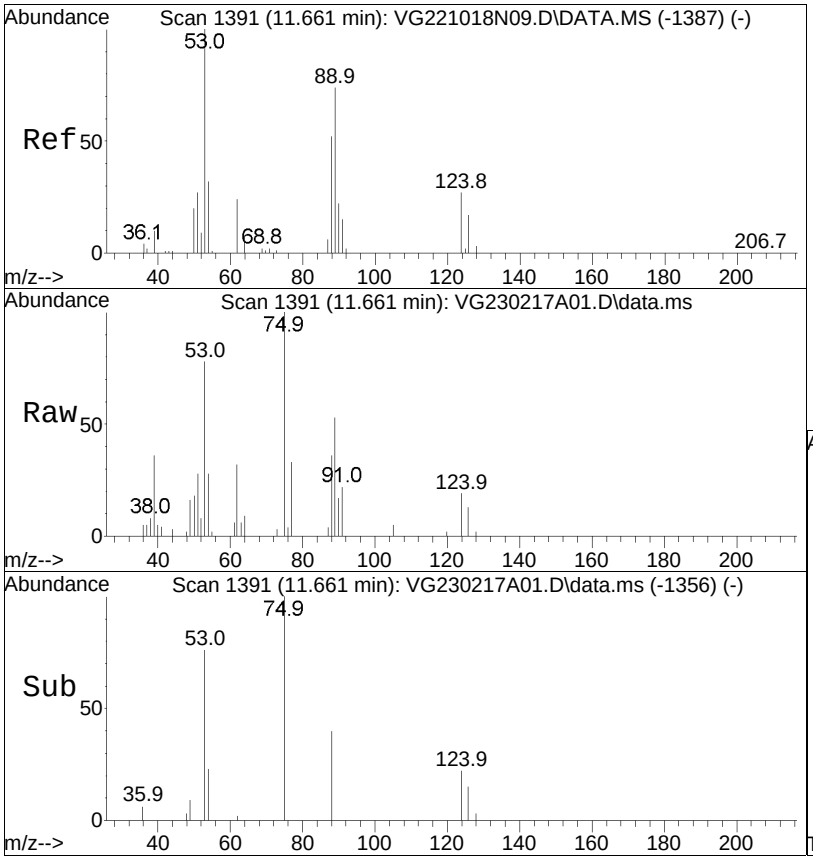


#91
1,2,3-Trichloropropane
Concen: 10.28 ug/L M1
RT: 11.603 min Scan# 1384
Delta R.T. -0.017 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 75 Resp: 55842

Ion	Ratio	Lower	Upper
75	100		
110	32.4	23.5	48.9
112	20.6	15.9	32.9

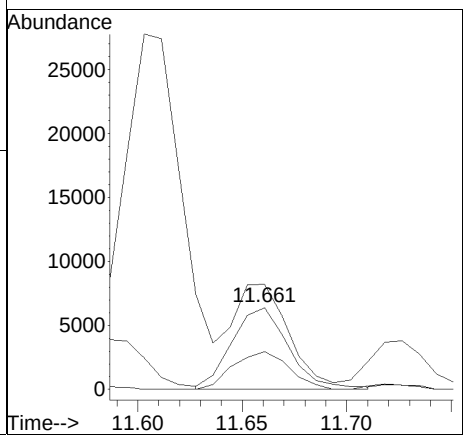


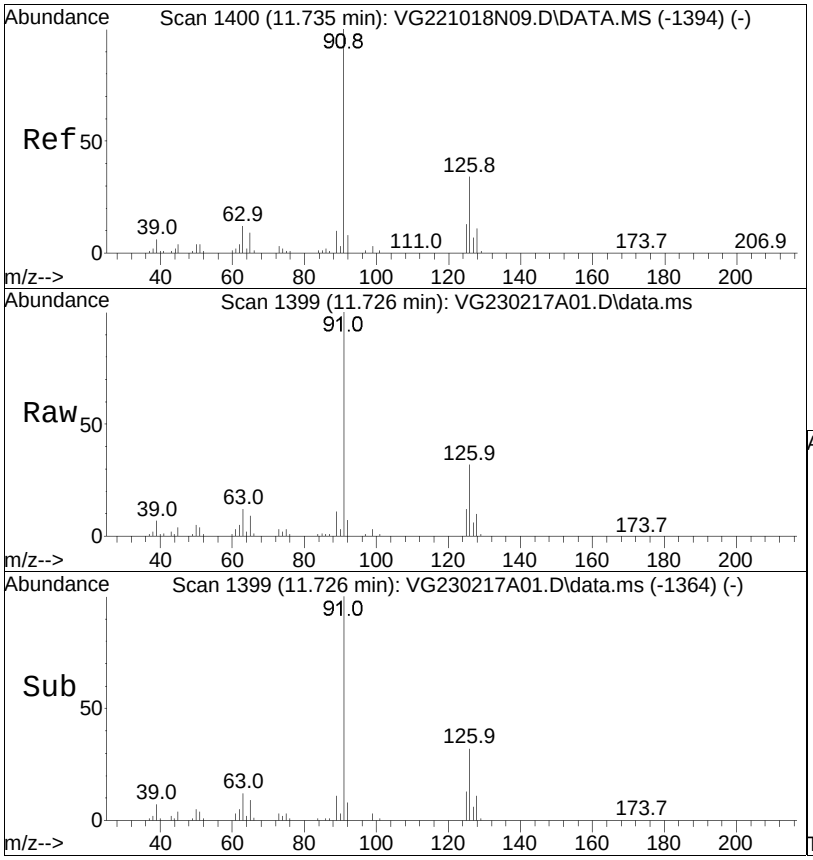


#92
trans-1,4-Dichloro-2-butene
Concen: 6.21 ug/L
RT: 11.661 min Scan# 1391
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 53 Resp: 12071

Ion	Ratio	Lower	Upper
53	100		
88	45.8	41.6	62.4
75	127.6	0.0	0.0#

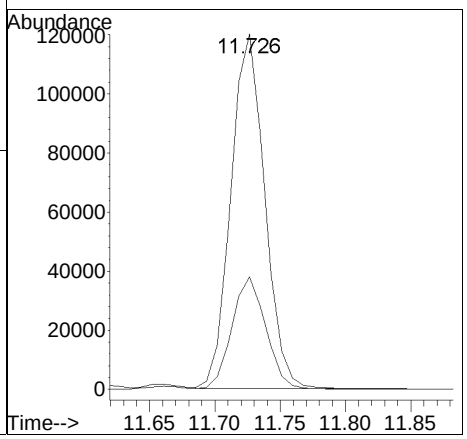


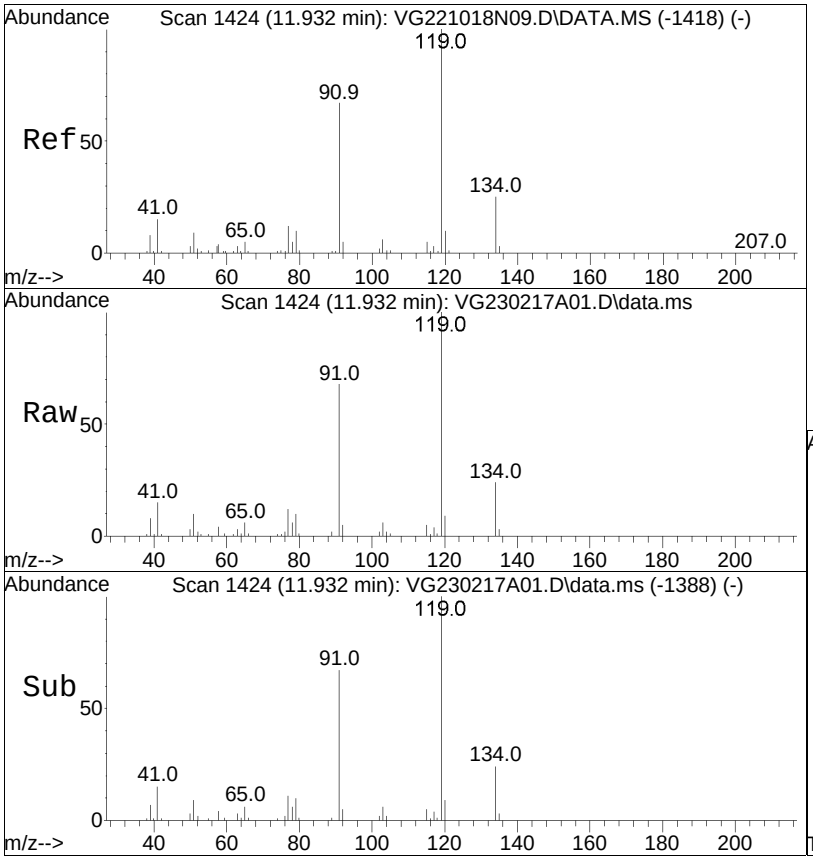


#93
4-Chlorotoluene
Concen: 10.54 ug/L
RT: 11.726 min Scan# 1399
Delta R.T. -0.009 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 91 Resp: 215989

Ion	Ratio	Lower	Upper
91	100		
126	32.0	28.2	42.4

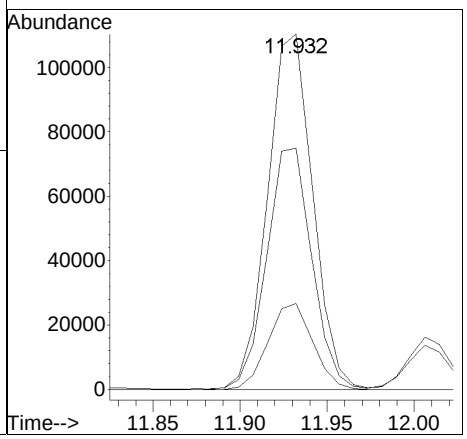


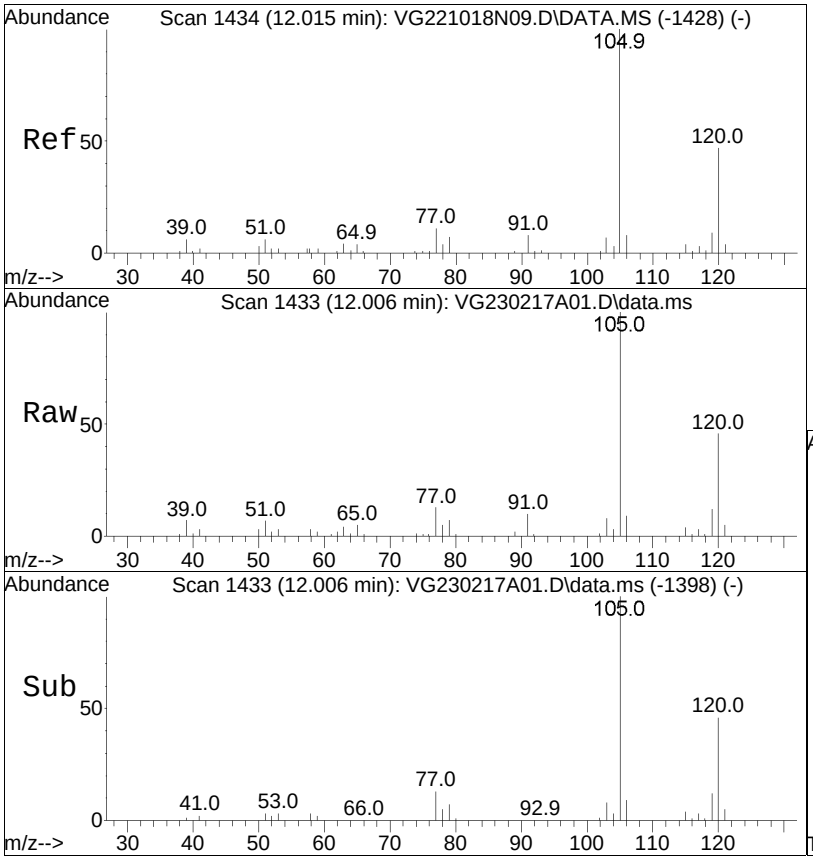


#94
tert-Butylbenzene
Concen: 9.62 ug/L
RT: 11.932 min Scan# 1424
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:119 Resp: 199409

Ion	Ratio	Lower	Upper
119	100		
91	67.7	50.8	76.2
134	23.9	20.2	30.4

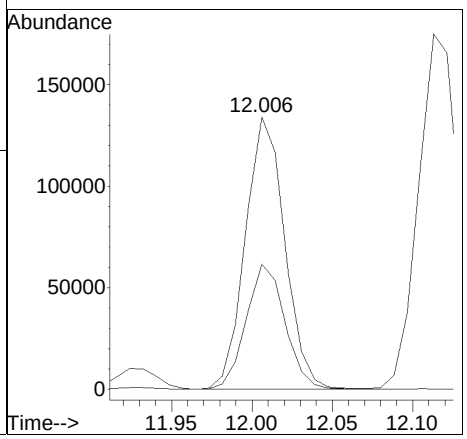


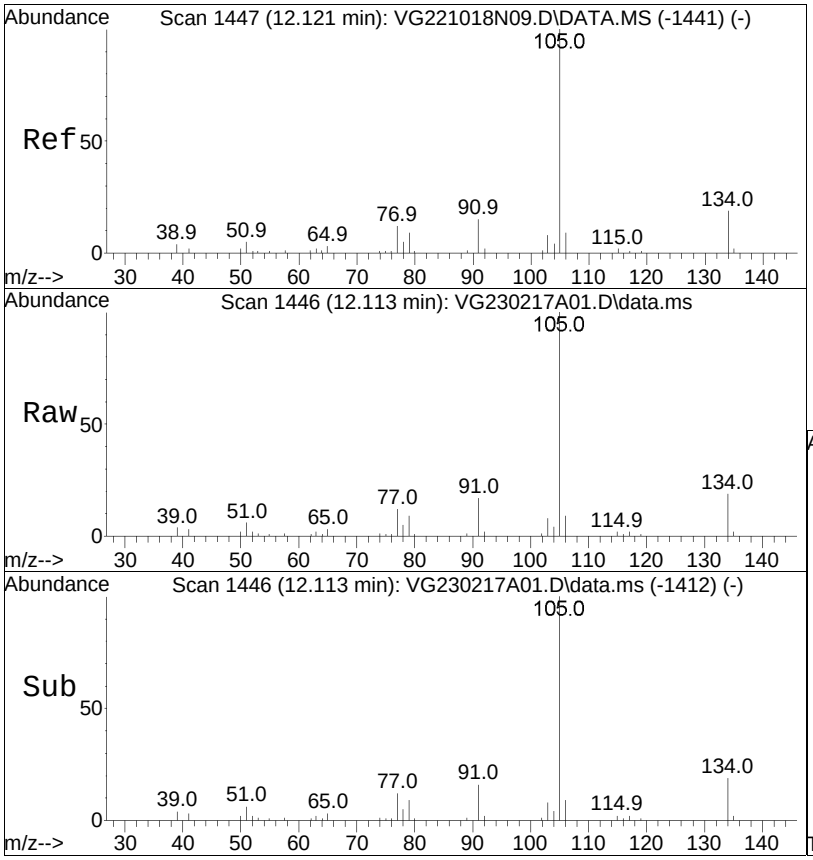


#97
1,2,4-Trimethylbenzene
Concen: 9.80 ug/L
RT: 12.006 min Scan# 1433
Delta R.T. -0.009 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:105 Resp: 229213

Ion	Ratio	Lower	Upper
105	100		
120	45.4	37.8	56.6

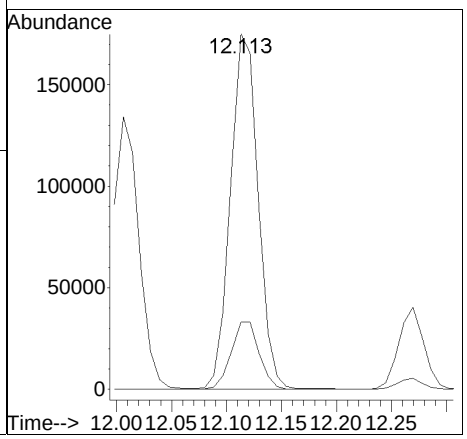


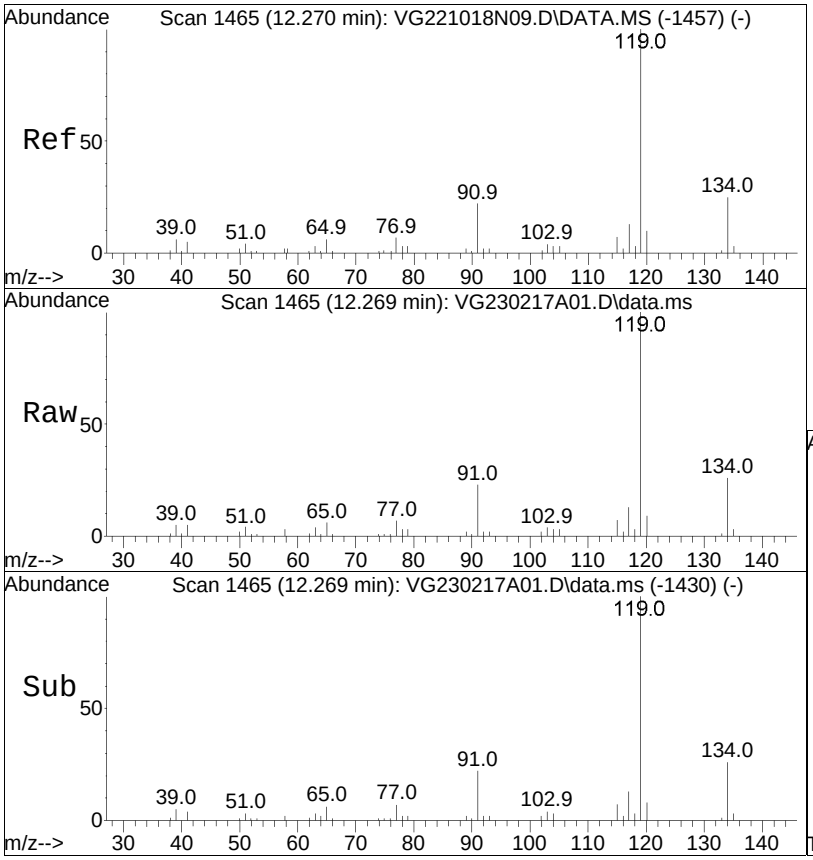


#98
sec-Butylbenzene
Concen: 9.90 ug/L
RT: 12.113 min Scan# 1446
Delta R.T. -0.017 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:105 Resp: 307453

Ion	Ratio	Lower	Upper
105	100		
134	19.2	13.3	27.7

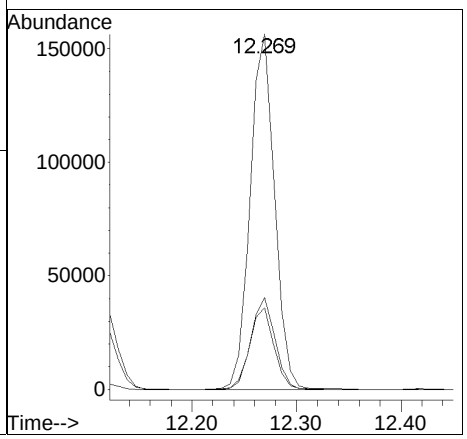


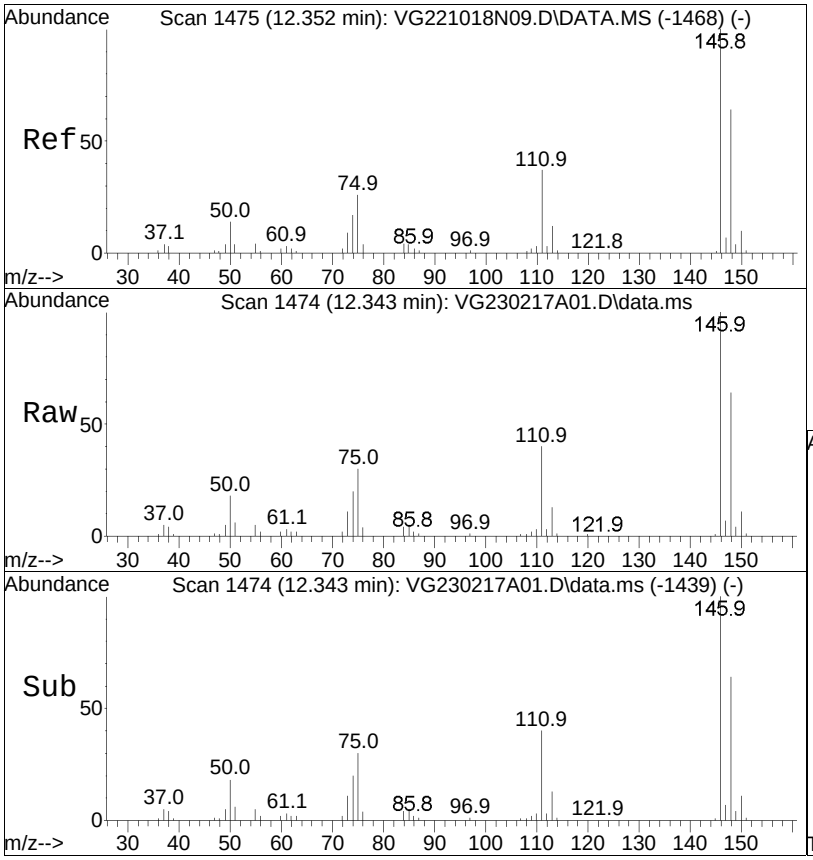


#99
p-Isopropyltoluene
Concen: 9.56 ug/L
RT: 12.269 min Scan# 1465
Delta R.T. -0.009 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:119 Resp: 254499

Ion	Ratio	Lower	Upper
119	100		
134	25.4	17.5	36.3
91	22.9	14.6	30.4

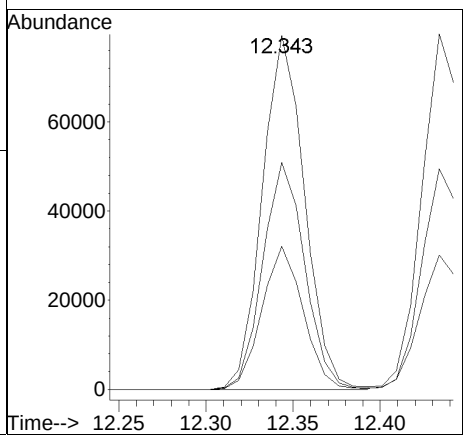


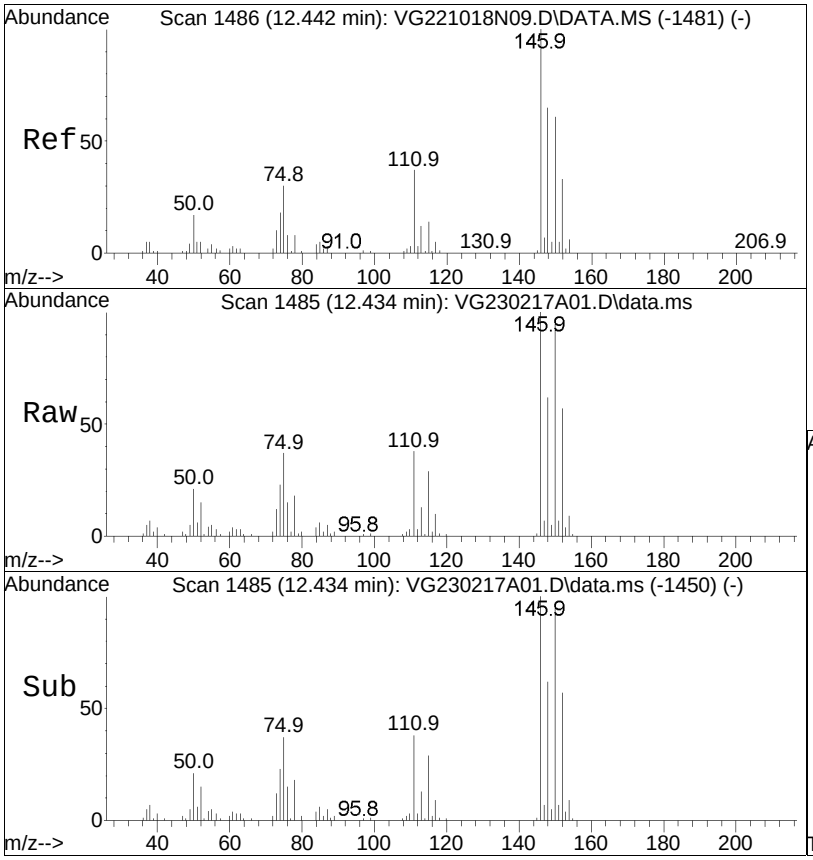


#100
1,3-Dichlorobenzene
Concen: 10.15 ug/L
RT: 12.343 min Scan# 1474
Delta R.T. -0.009 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:146 Resp: 134027

Ion	Ratio	Lower	Upper
146	100		
111	39.6	24.4	50.6
148	63.6	41.0	85.2

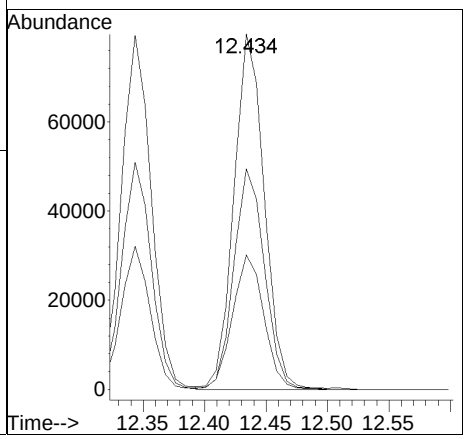


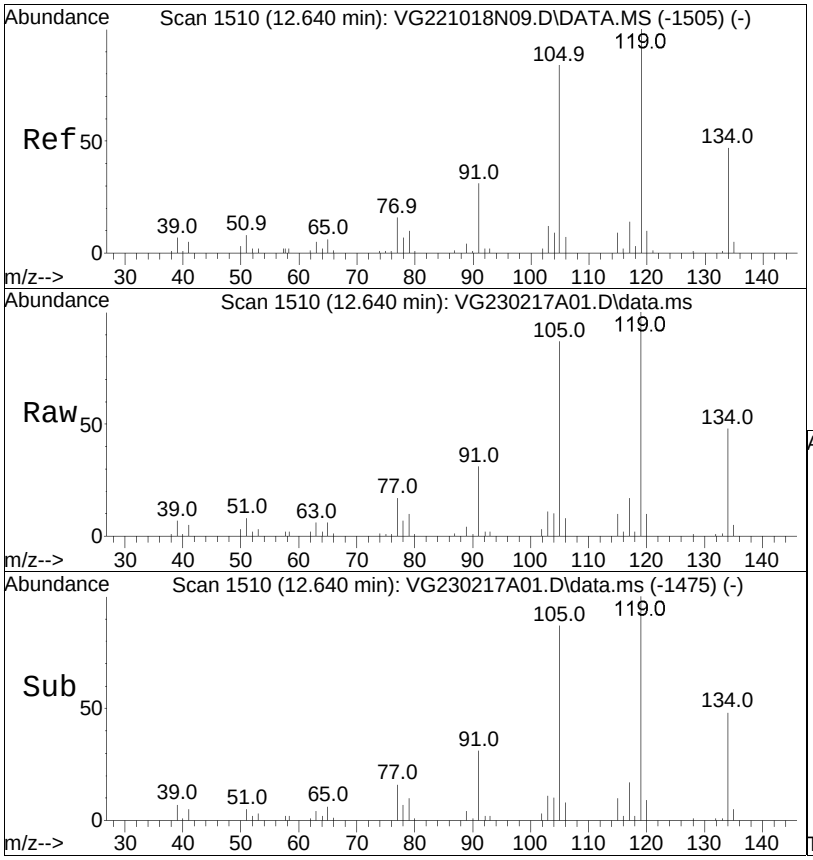


#101
1,4-Dichlorobenzene
Concen: 10.30 ug/L
RT: 12.434 min Scan# 1485
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:146 Resp: 137275

Ion	Ratio	Lower	Upper
146	100		
111	39.1	29.3	43.9
148	62.7	51.2	76.8

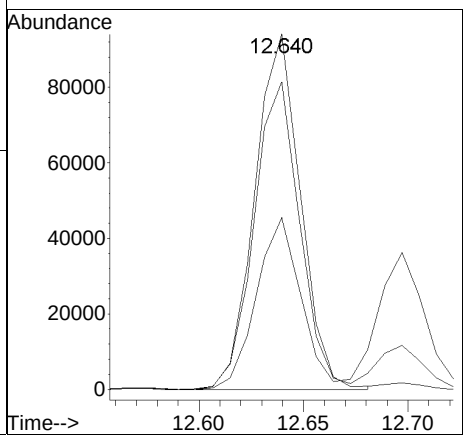


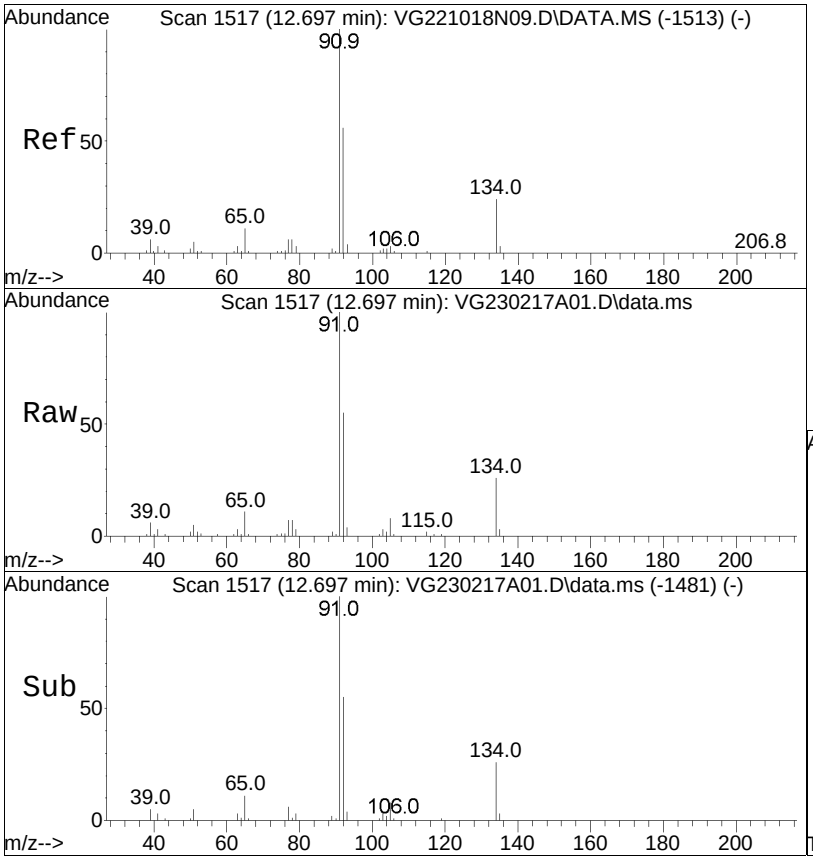


#102
p-Diethylbenzene
Concen: 9.06 ug/L
RT: 12.640 min Scan# 1510
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:119 Resp: 143170

Ion	Ratio	Lower	Upper
119	100		
105	86.9	53.9	112.1
134	46.9	32.0	66.6

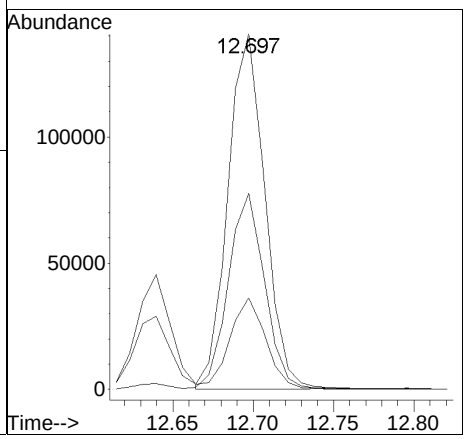


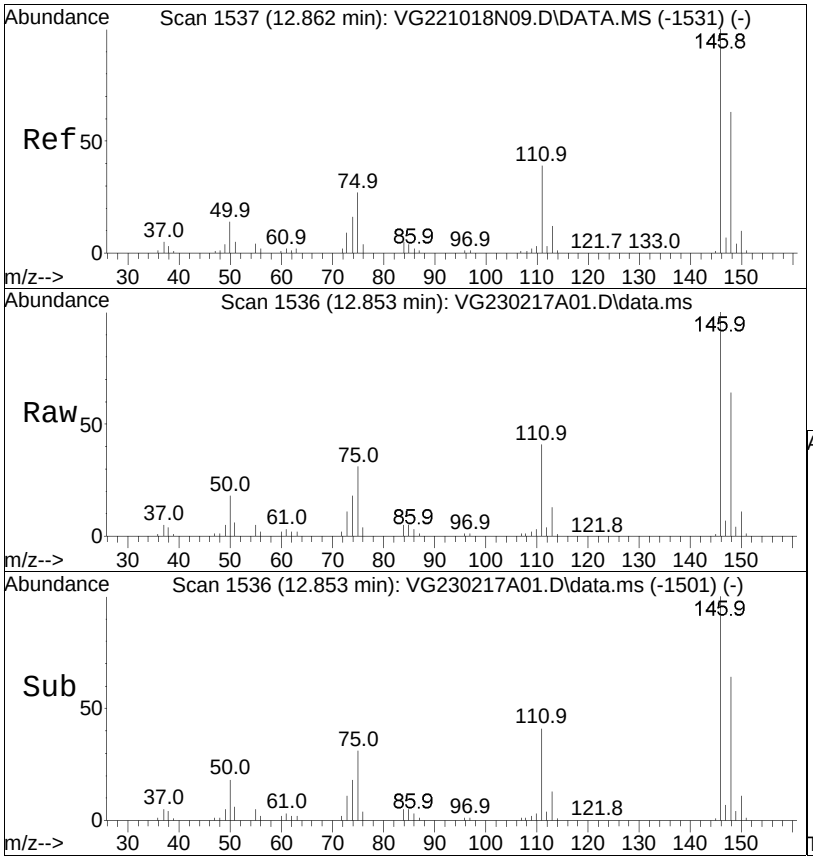


#103
n-Butylbenzene
Concen: 9.90 ug/L
RT: 12.697 min Scan# 1517
Delta R.T. -0.009 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion: 91 Resp: 224914

Ion	Ratio	Lower	Upper
91	100		
92	54.6	43.8	65.8
134	25.3	22.0	33.0

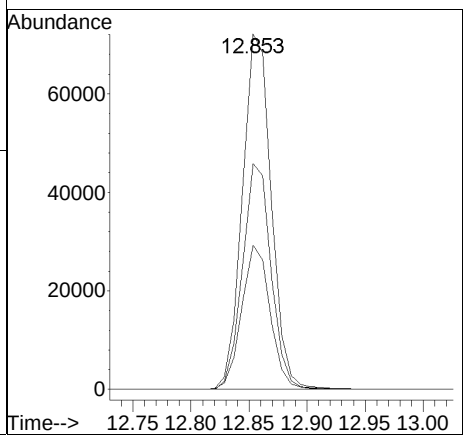


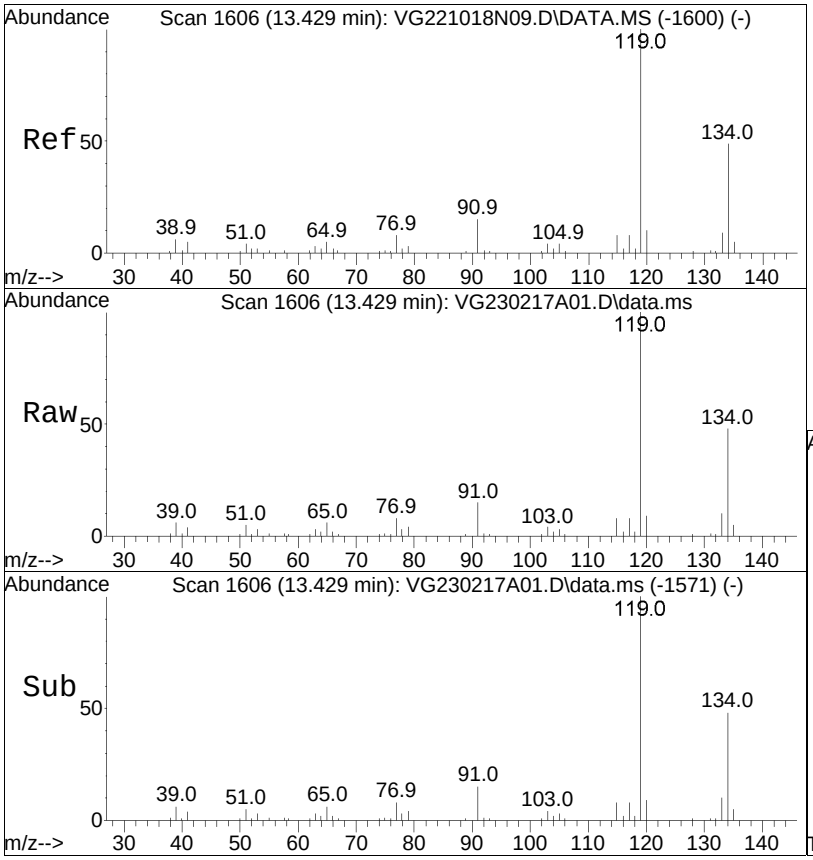


#104
1,2-Dichlorobenzene
Concen: 10.13 ug/L
RT: 12.853 min Scan# 1536
Delta R.T. -0.017 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:146 Resp: 124883

Ion	Ratio	Lower	Upper
146	100		
111	40.1	25.4	52.8
148	63.0	41.7	86.5

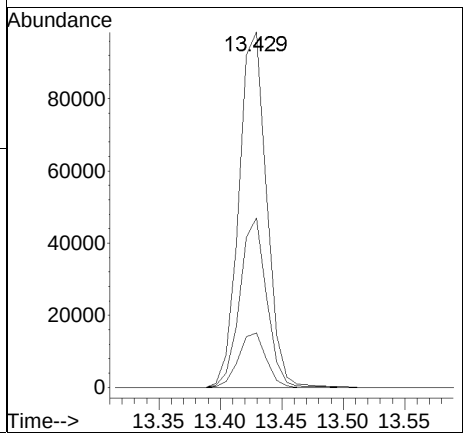


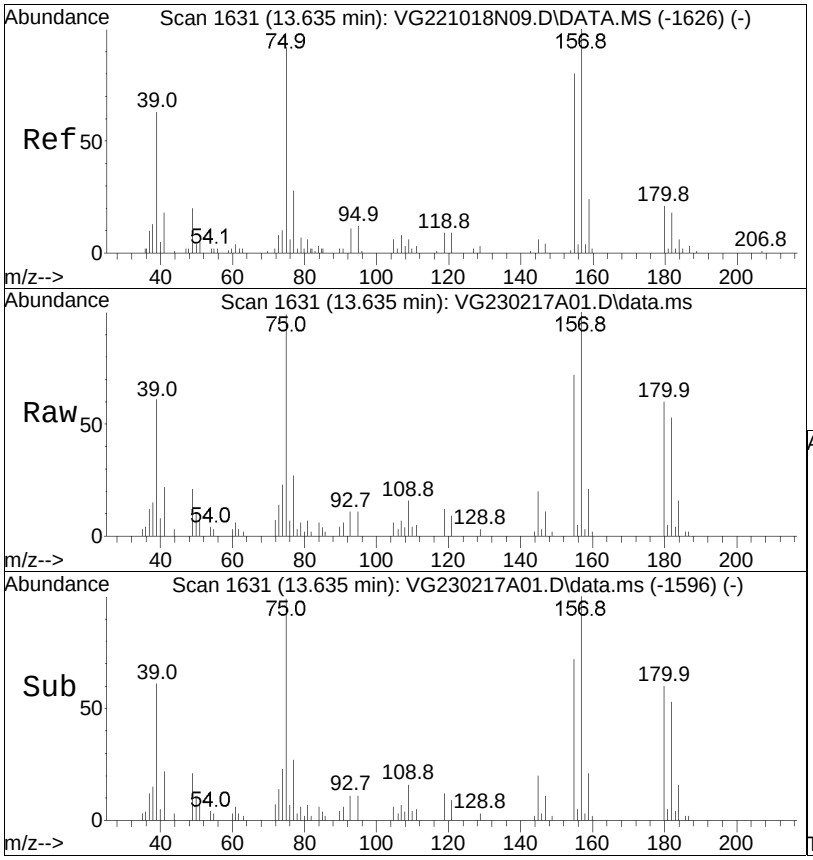


#105
1,2,4,5-Tetramethylbenzene
Concen: 7.70 ug/L
RT: 13.429 min Scan# 1606
Delta R.T. -0.009 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:119 Resp: 154675

Ion	Ratio	Lower	Upper
119	100		
134	46.1	32.7	67.9
91	15.2	9.9	20.7

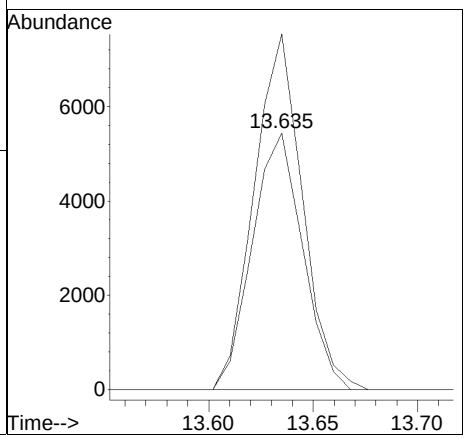


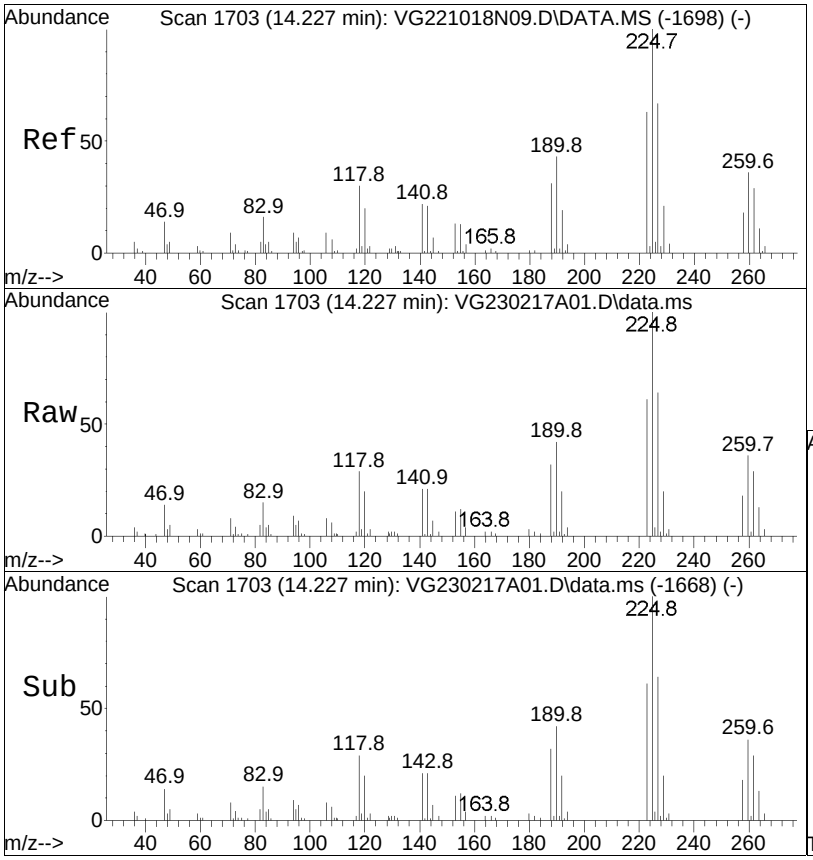


#106
1,2-Dibromo-3-chloropropane
Concen: 7.59 ug/L
RT: 13.635 min Scan# 1631
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:155 Resp: 9125

Ion	Ratio	Lower	Upper
155	100		
157	132.8	99.9	149.9

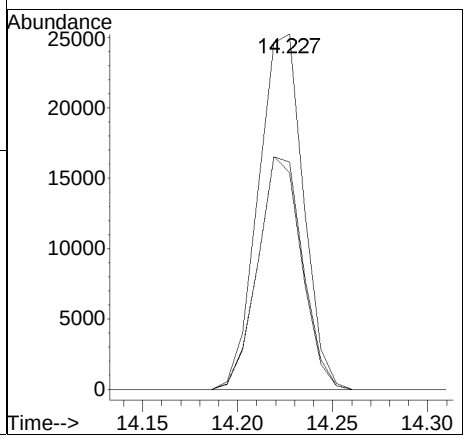


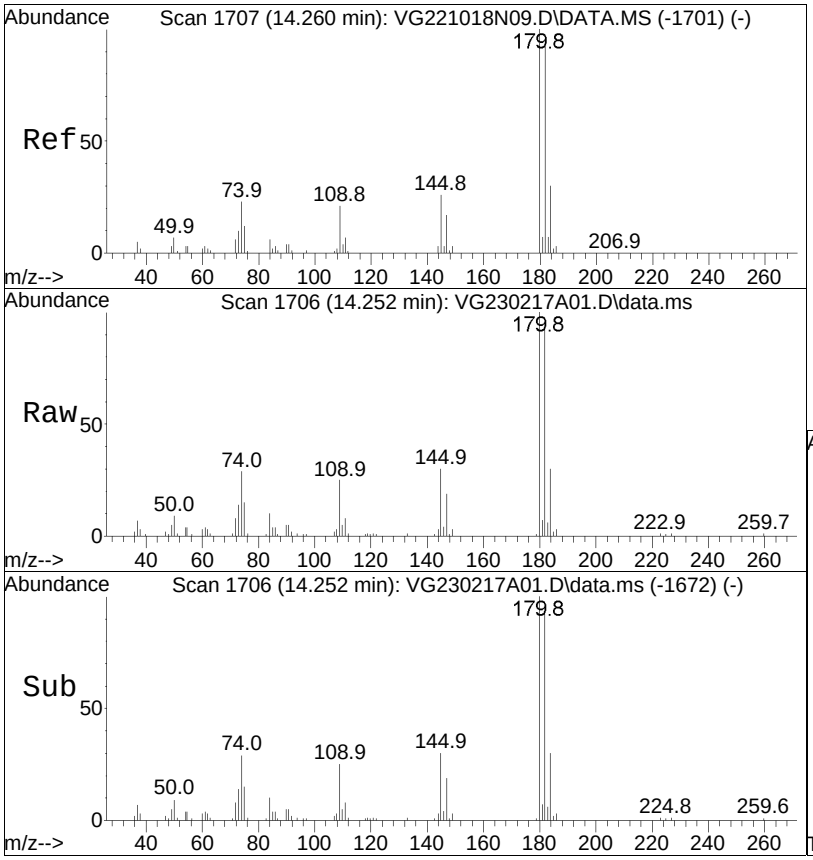


#108
Hexachlorobutadiene
Concen: 8.44 ug/L
RT: 14.227 min Scan# 1703
Delta R.T. -0.009 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:225 Resp: 41687

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.1	75.1
227	65.3	50.2	75.4

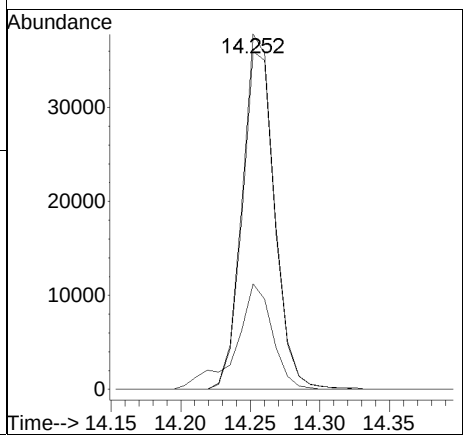


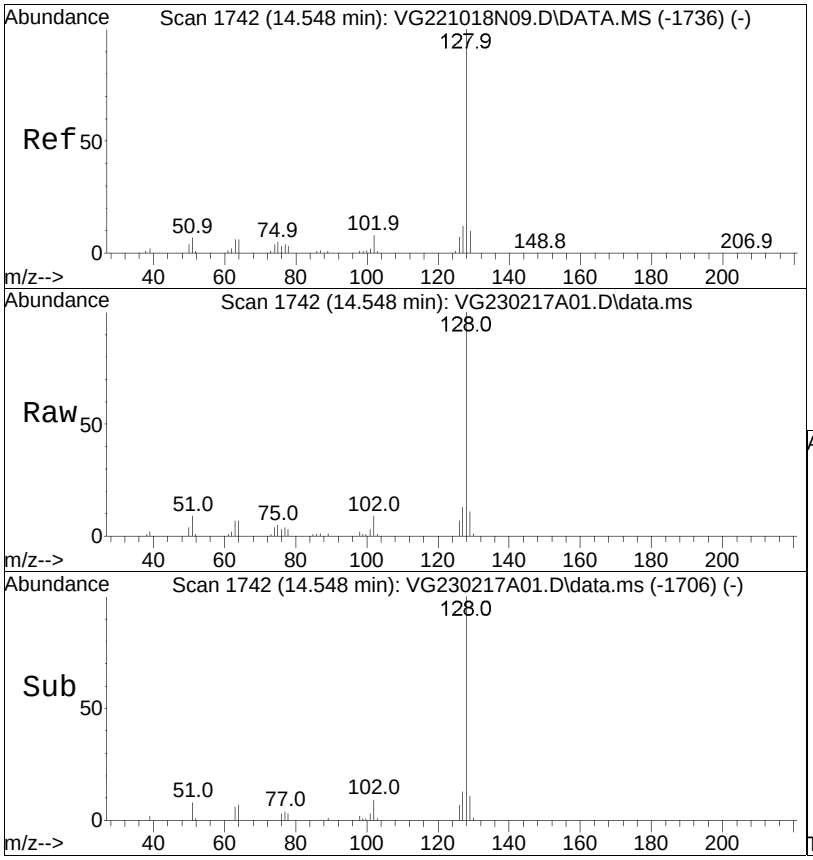


#109
1,2,4-Trichlorobenzene
Concen: 7.76 ug/L
RT: 14.252 min Scan# 1706
Delta R.T. -0.017 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:180 Resp: 60862

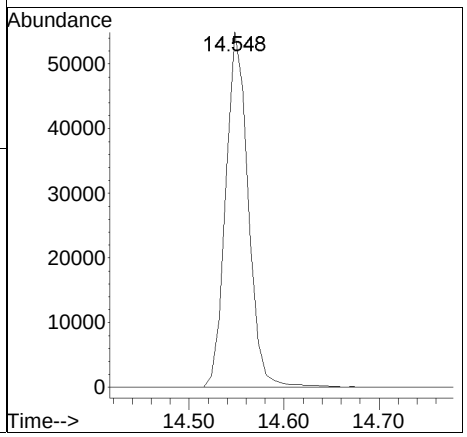
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.7	115.1
145	33.9	26.5	39.7

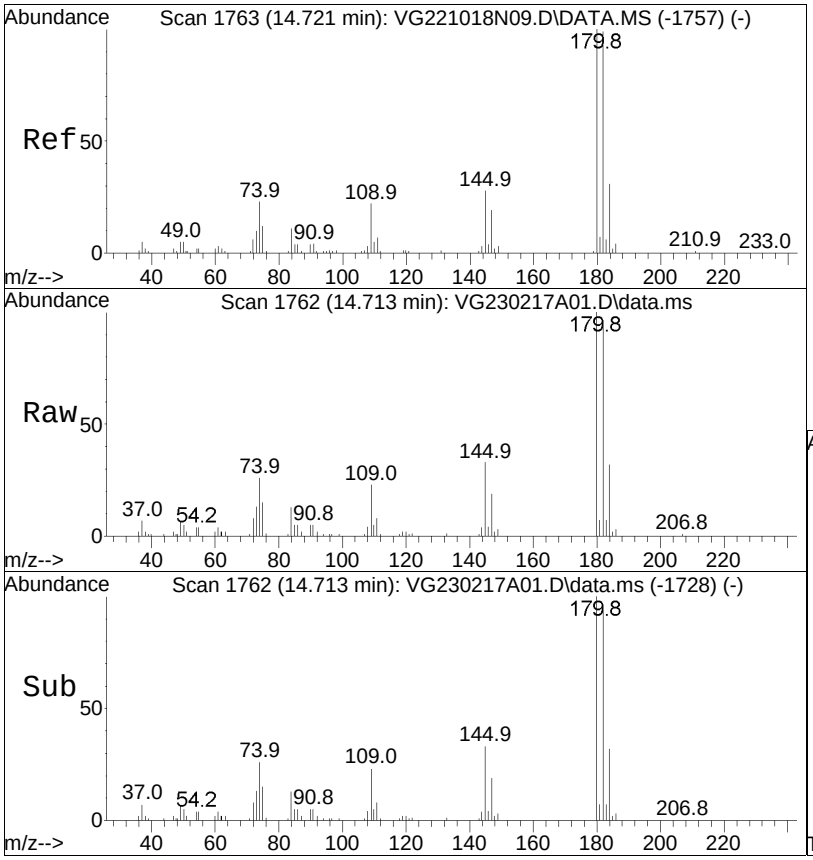




#110
Naphthalene
Concen: 5.84 ug/L
RT: 14.548 min Scan# 1742
Delta R.T. -0.008 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:128 Resp: 90710

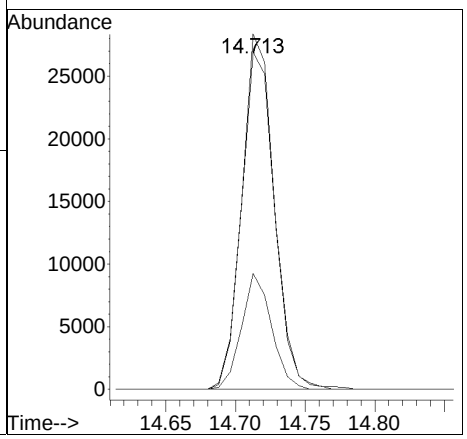




#111
1,2,3-Trichlorobenzene
Concen: 7.26 ug/L
RT: 14.713 min Scan# 1762
Delta R.T. -0.016 min
Lab File: VG230217A01.D
Acq: 17 Feb 2023 7:40 am

Tgt Ion:180 Resp: 46144

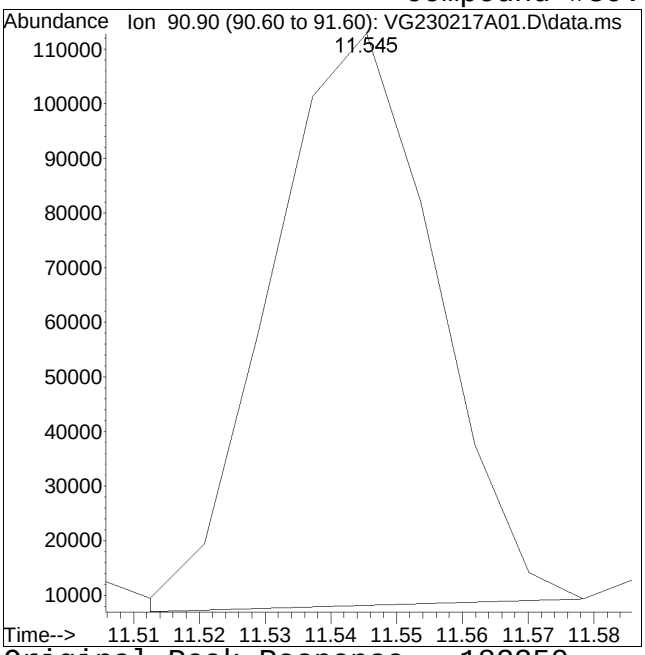
Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.0	115.4
145	30.1	24.1	36.1



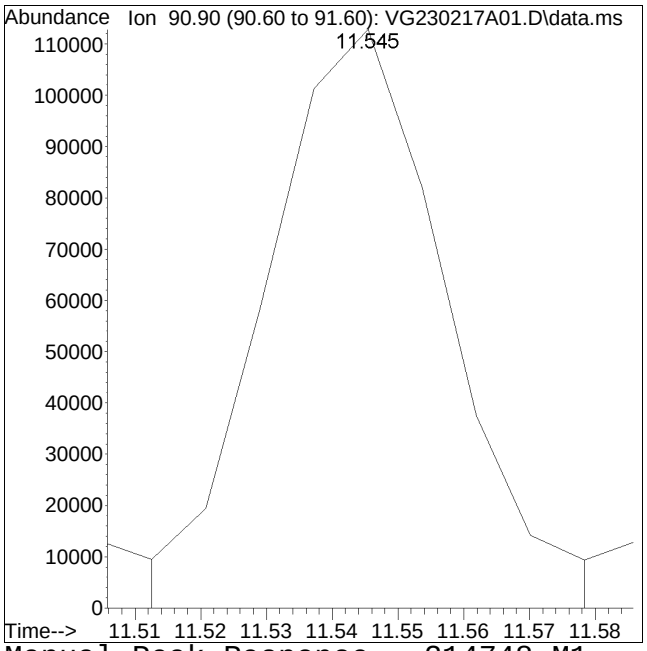
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2023\23QMethod : G_221018N_8260.m
Data File : VG230217A01.D Operator : GONZO:PID
Date Inj'd : 2/17/2023 7:40 am Instrument : Gonzo
Sample : WG1746138-3,31,10,10 Quant Date : 2/17/2023 8:11 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 182350



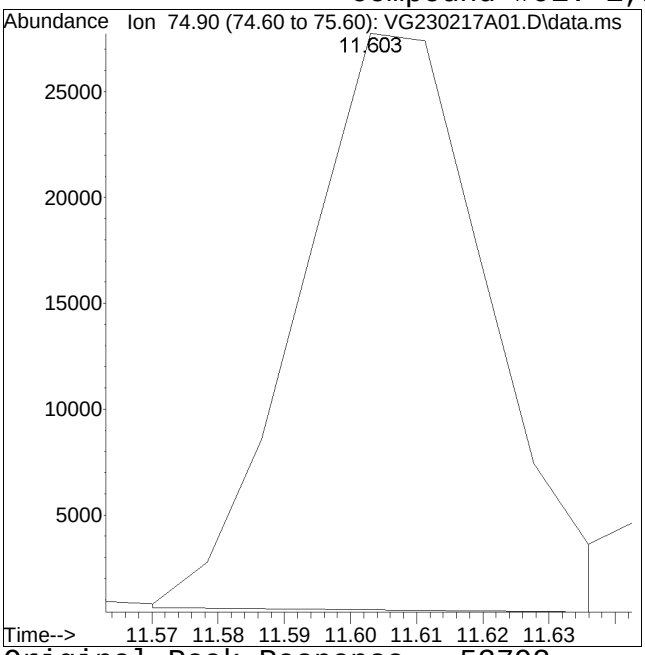
Manual Peak Response = 214748 M1

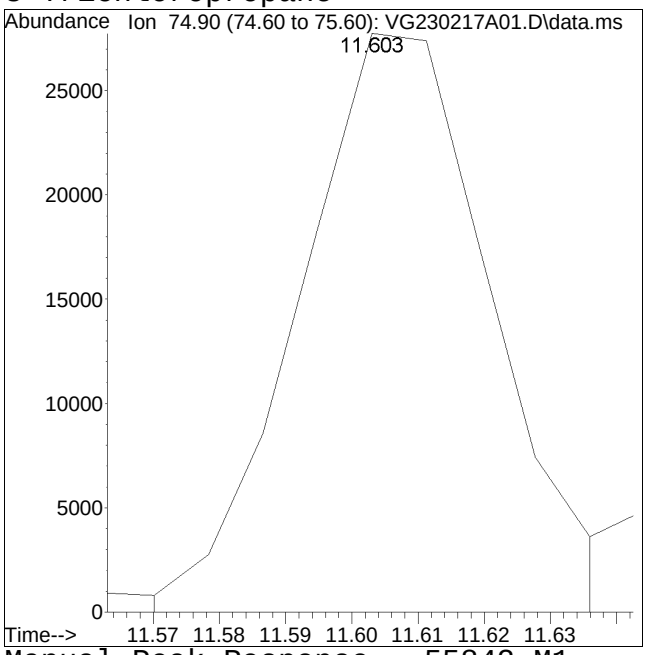
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2023\23QMethod : G_221018N_8260.m
Data File : VG230217A01.D Operator : GONZO:PID
Date Inj'd : 2/17/2023 7:40 am Instrument : Gonzo
Sample : WG1746138-3,31,10,10 Quant Date : 2/17/2023 8:11 am

Compound #91: 1,2,3-Trichloropropane





Original Peak Response = 53792 Manual Peak Response = 55842 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220A02.D
Acq On : 20 Feb 2023 09:25 am
Operator : VOA129:MKS
Sample : WG1747023-3,31,5,5
Misc : WG1747023,ICAL19631
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 20 09:52:01 2023
Quant Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:19 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2023\230220A\V29230220A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.903	96	339465	20.000	ug/L	0.00
Standard Area 1 = 336478			Recovery = 100.89%			
59) Chlorobenzene-d5	8.745	117	263246	20.000	ug/L	0.00
Standard Area 1 = 260372			Recovery = 101.10%			
79) 1,4-Dichlorobenzene-d4	10.192	152	146365	20.000	ug/L	0.00
Standard Area 1 = 142944			Recovery = 102.39%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.970	113	87259	19.442	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.21%			
43) 1,2-Dichloroethane-d4	5.568	65	94663	21.355	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 106.77%			
60) Toluene-d8	7.539	98	338654	20.607	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.03%			
83) 4-Bromofluorobenzene	9.531	95	120318	19.933	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.67%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.074	85	73601	25.216	ug/L	99
3) Chloromethane	1.216	50	122422	34.523	ug/L	99
4) Vinyl chloride	1.268	62	112498	31.103	ug/L	95
5) Bromomethane	1.504	94	98611	34.027	ug/L	97
6) Chloroethane	1.599	64	86269	35.821	ug/L	98
7) Trichlorofluoromethane	1.714	101	188263	34.680	ug/L	97
8) Ethyl ether	1.981	74	61270	35.863	ug/L	81
10) 1,1-Dichloroethene	2.133	96	112369	35.541	ug/L #	65
11) Carbon disulfide	2.139	76	353921	53.983	ug/L	95
15) Methylene chloride	2.684	84	143969	38.560	ug/L	77
17) Acetone	2.747	43	58571	59.278	ug/L	100
18) trans-1,2-Dichloroethene	2.857	96	132585	37.340	ug/L	80
20) Methyl tert-butyl ether	3.014	73	354962	42.470	ug/L	97
23) 1,1-Dichloroethane	3.586	63	243957	42.121	ug/L	98
25) Acrylonitrile	3.649	53	46932	44.039	ug/L	96
27) Vinyl acetate	4.010	43	302218	40.838	ug/L #	96
28) cis-1,2-Dichloroethene	4.351	96	152490	38.852	ug/L #	70
29) 2,2-Dichloropropane	4.482	77	209871	39.615	ug/L	99
30) Bromochloromethane	4.608	128	79274	39.213	ug/L #	58
32) Chloroform	4.755	83	254182	40.446	ug/L	98

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220A02.D
Acq On : 20 Feb 2023 09:25 am
Operator : VOA129:MKS
Sample : WG1747023-3,31,5,5
Misc : WG1747023,ICAL19631
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 20 09:52:01 2023
Quant Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:19 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2023\230220A\V29230220A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	4.886	117	193121	38.169	ug/L		97
37) 1,1,1-Trichloroethane	4.965	97	219519	39.948	ug/L	#	97
39) 2-Butanone	5.138	43	81032	50.925	ug/L	#	49
40) 1,1-Dichloropropene	5.127	75	182104	40.303	ug/L		94
41) Benzene	5.410	78	546186	40.427	ug/L		92
44) 1,2-Dichloroethane	5.646	62	206414	46.270	ug/L		98
48) Trichloroethene	6.097	95	160532	41.787	ug/L		92
50) Dibromomethane	6.522	93	94002	41.463	ug/L	#	88
51) 1,2-Dichloropropane	6.627	63	155152	42.990	ug/L		95
54) Bromodichloromethane	6.726	83	203266	41.959	ug/L		99
57) 1,4-Dioxane	6.941	88	88069M1	2115.694	ug/L		
58) cis-1,3-Dichloropropene	7.366	75	245254	41.673	ug/L		96
61) Toluene	7.581	92	357049	41.279	ug/L		99
62) 4-Methyl-2-pentanone	7.932	58	59192	43.321	ug/L	#	87
63) Tetrachloroethene	7.917	166	174173	41.559	ug/L		88
65) trans-1,3-Dichloropropene	7.959	75	226320	43.693	ug/L		97
68) 1,1,2-Trichloroethane	8.079	83	110825	44.213	ug/L		95
69) Chlorodibromomethane	8.210	129	167206	41.705	ug/L		96
70) 1,3-Dichloropropane	8.278	76	224490	44.776	ug/L		99
71) 1,2-Dibromoethane	8.367	107	139991	42.792	ug/L		99
72) 2-Hexanone	8.572	43	115234	47.540	ug/L		96
73) Chlorobenzene	8.755	112	425931	42.367	ug/L	#	88
74) Ethylbenzene	8.787	91	689385	42.433	ug/L		96
75) 1,1,1,2-Tetrachloroethane	8.808	131	162012	42.990	ug/L		96
76) p/m Xylene	8.887	106	552767	83.880	ug/L		93
77) o Xylene	9.164	106	542576	87.143	ug/L		88
78) Styrene	9.196	104	901899	88.801	ug/L		89
80) Bromoform	9.206	173	118552	41.228	ug/L		94
82) Isopropylbenzene	9.369	105	696180	42.030	ug/L		95
84) Bromobenzene	9.589	156	195689	41.521	ug/L		97
85) n-Propylbenzene	9.621	91	812704	42.095	ug/L		93
87) 1,1,2,2-Tetrachloroethane	9.663	83	169962	41.682	ug/L		98
88) 4-Ethyltoluene	9.689	105	690903	42.278	ug/L		94
89) 2-Chlorotoluene	9.704	91	467470M1	41.247	ug/L		
90) 1,3,5-Trimethylbenzene	9.741	105	601830	42.097	ug/L		89
91) 1,2,3-Trichloropropane	9.736	75	142915	45.495	ug/L		98
92) trans-1,4-Dichloro-2-b...	9.762	53	55824	47.857	ug/L	#	82
93) 4-Chlorotoluene	9.804	91	510361	42.685	ug/L	#	89
94) tert-Butylbenzene	9.925	119	515920	40.684	ug/L		98

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220A02.D
Acq On : 20 Feb 2023 09:25 am
Operator : VOA129:MKS
Sample : WG1747023-3,31,5,5
Misc : WG1747023,ICAL19631
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 20 09:52:01 2023
Quant Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:19 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2023\230220A\V29230220A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	9.967	105	591102	42.096	ug/L	92
98)	sec-Butylbenzene	10.030	105	744413	40.840	ug/L	95
99)	p-Isopropyltoluene	10.113	119	663733	41.389	ug/L	95
100)	1,3-Dichlorobenzene	10.150	146	370013	42.427	ug/L	97
101)	1,4-Dichlorobenzene	10.203	146	373831	41.790	ug/L	96
102)	p-Diethylbenzene	10.318	119	396189	40.950	ug/L	92
103)	n-Butylbenzene	10.355	91	571340	42.219	ug/L	97
104)	1,2-Dichlorobenzene	10.439	146	355068	42.617	ug/L	96
105)	1,2,4,5-Tetramethylben...	10.774	119	627034	42.671	ug/L	97
106)	1,2-Dibromo-3-chloropr...	10.895	155	34961	40.414	ug/L	93
108)	Hexachlorobutadiene	11.262	225	146089	39.764	ug/L	97
109)	1,2,4-Trichlorobenzene	11.272	180	272132	42.926	ug/L	99
110)	Naphthalene	11.450	128	612253	42.230	ug/L	100
111)	1,2,3-Trichlorobenzene	11.555	180	260016	43.224	ug/L	99

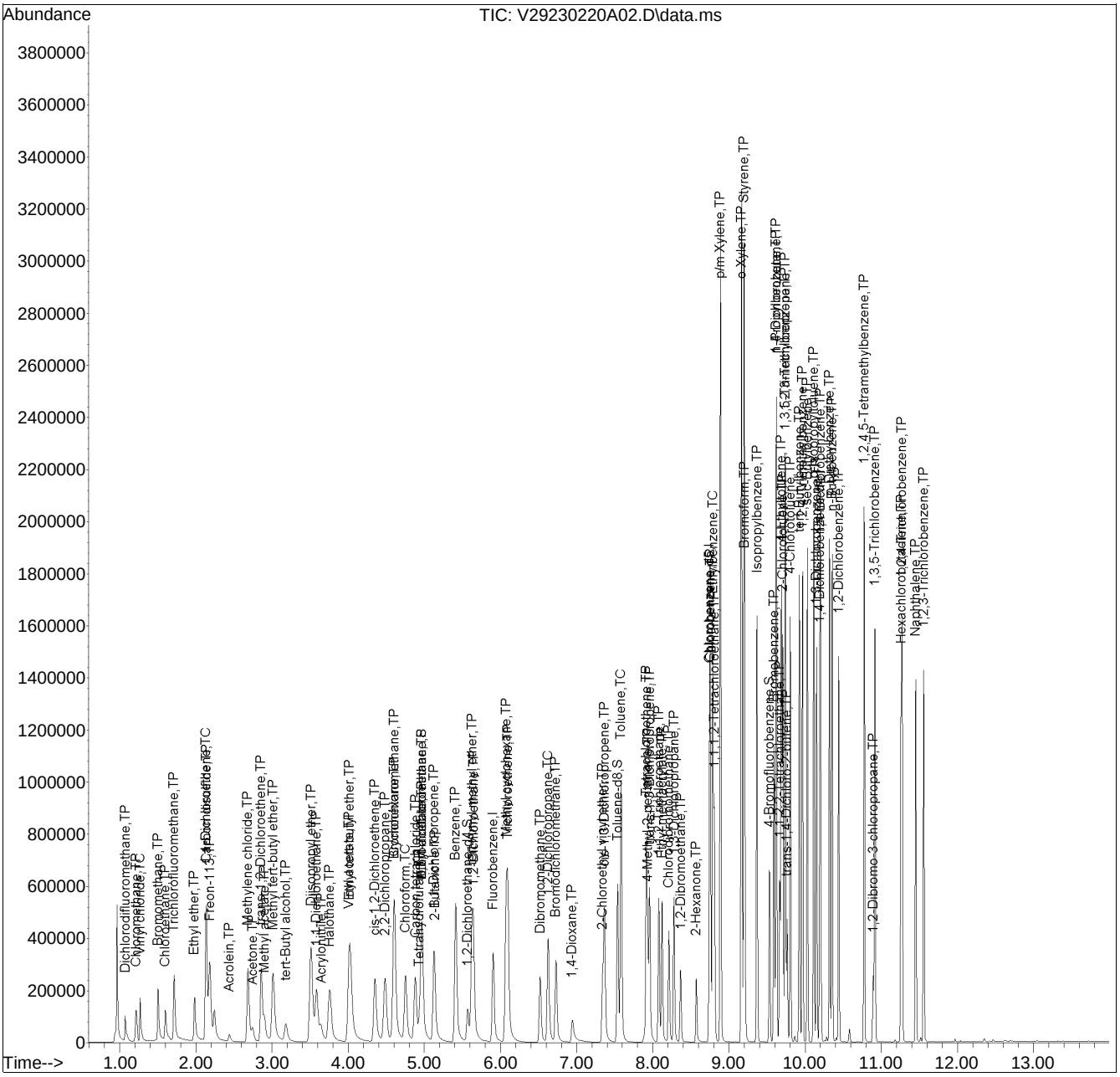
(#) = qualifier out of range (m) = manual integration (+) = signals summed

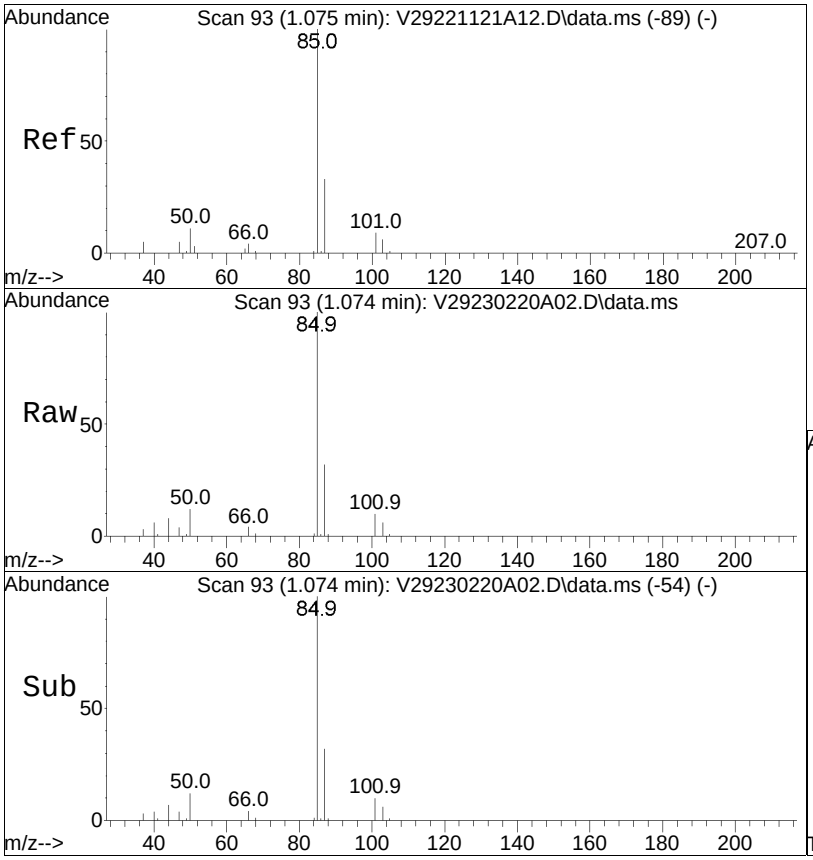
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220A02.D
Acq On : 20 Feb 2023 09:25 am
Operator : VOA129:MKS
Sample : WG1747023-3,31,5,5
Misc : WG1747023,ICAL19631
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 20 09:52:01 2023
Quant Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:19 2022
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox0A\V29230220A01.D•

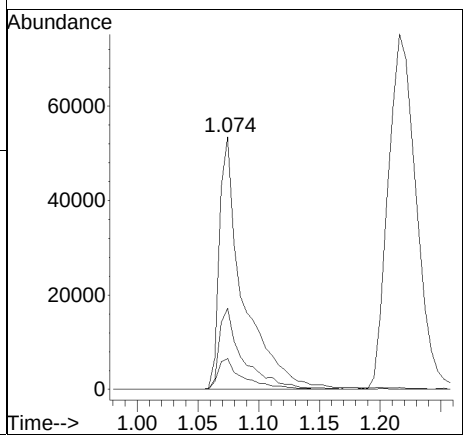


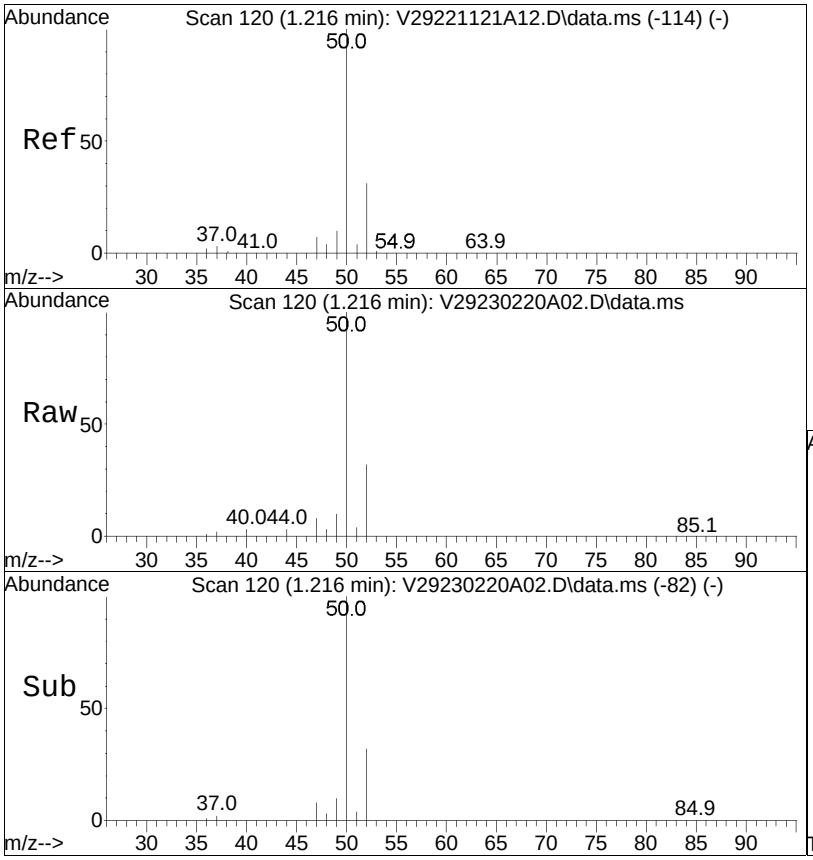


#2
Dichlorodifluoromethane
Concen: 25.22 ug/L
RT: 1.074 min Scan# 93
Delta R.T. 0.004 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 85 Resp: 73601

Ion	Ratio	Lower	Upper
85	100		
87	32.2	21.0	43.6
50	12.9	8.9	18.5

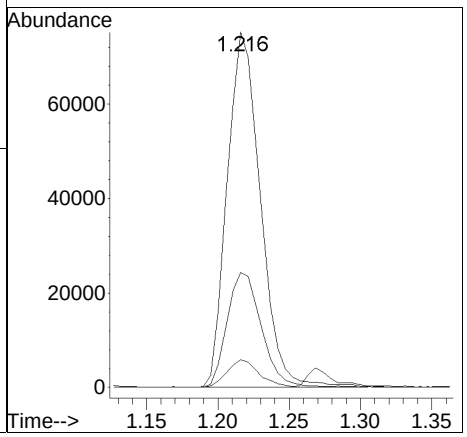


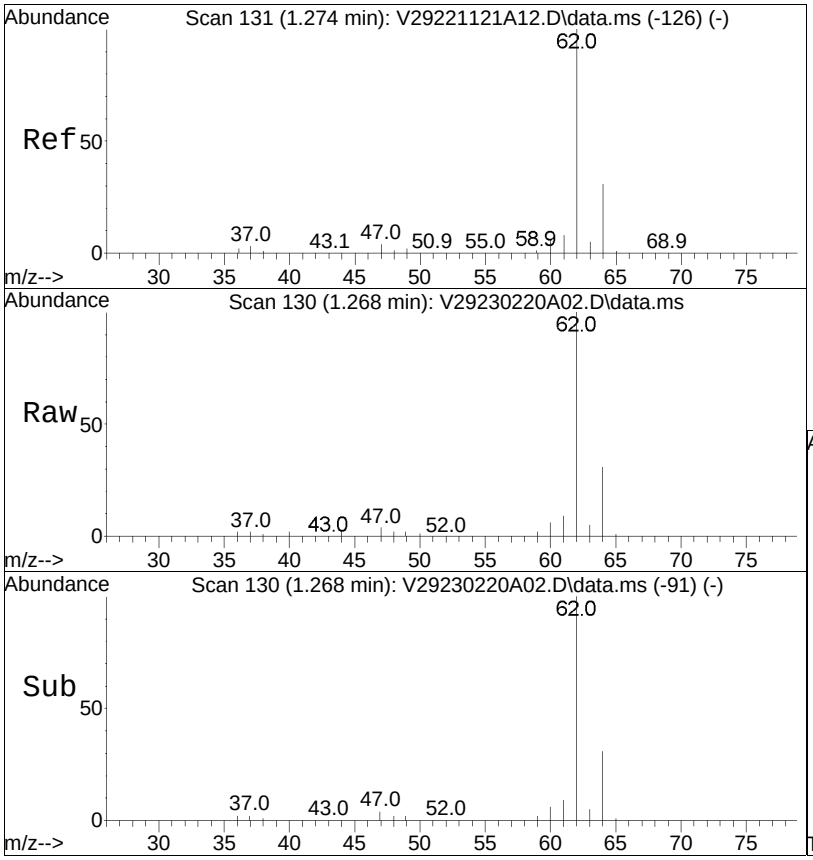


#3
Chloromethane
Concen: 34.52 ug/L
RT: 1.216 min Scan# 120
Delta R.T. -0.000 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 50 Resp: 122422

Ion	Ratio	Lower	Upper
50	100		
52	33.1	12.9	52.9
47	7.5	0.0	28.3

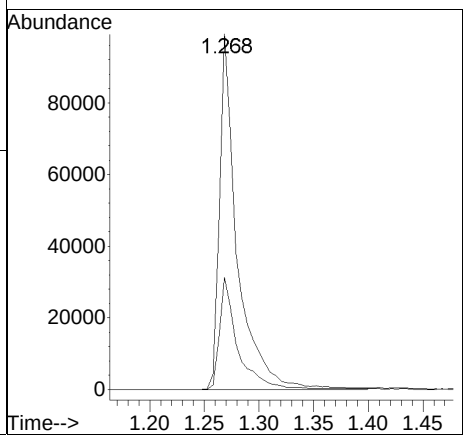


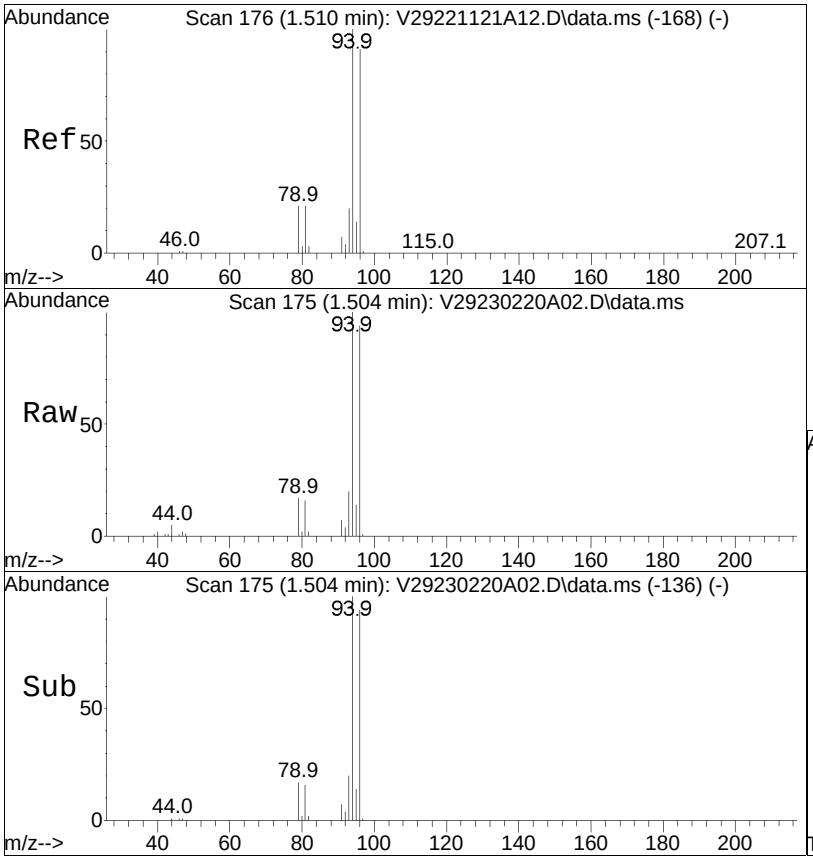


#4
Vinyl chloride
Concen: 31.10 ug/L
RT: 1.268 min Scan# 130
Delta R.T. 0.004 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 62 Resp: 112498

Ion	Ratio	Lower	Upper
62	100		
64	31.7	9.1	49.1

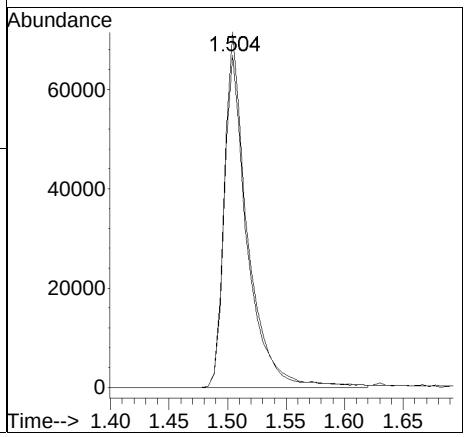


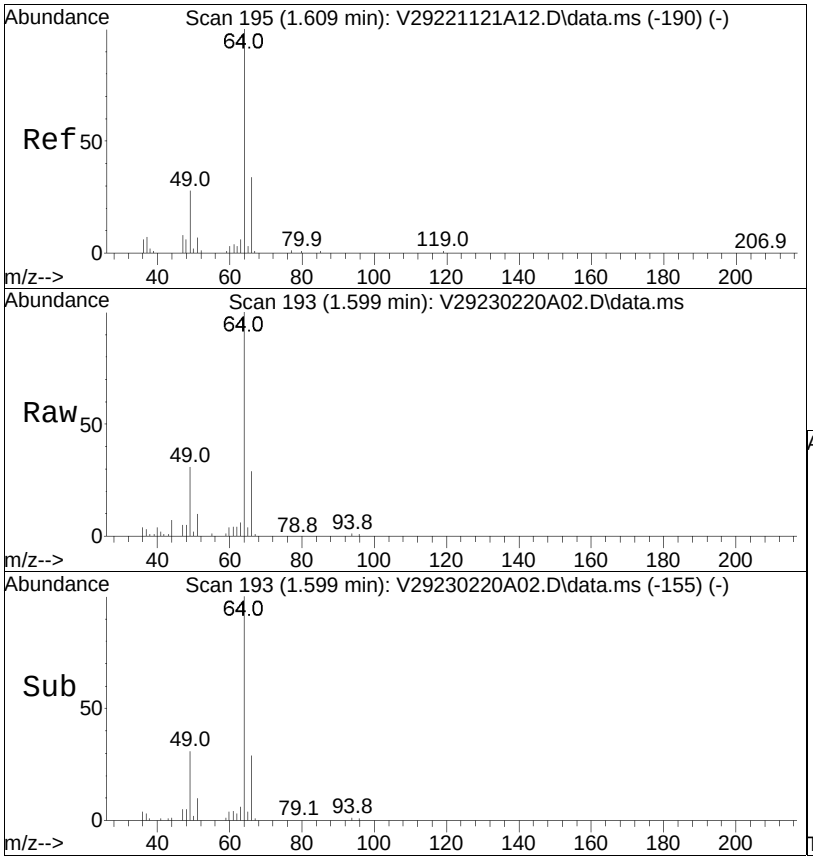


#5
Bromomethane
Concen: 34.03 ug/L
RT: 1.504 min Scan# 175
Delta R.T. 0.004 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 94 Resp: 98611

Ion	Ratio	Lower	Upper
94	100		
96	93.0	75.6	115.6

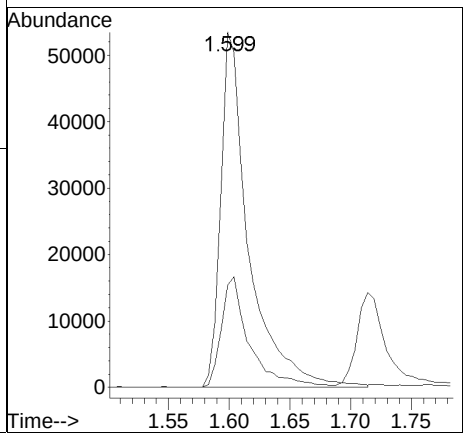


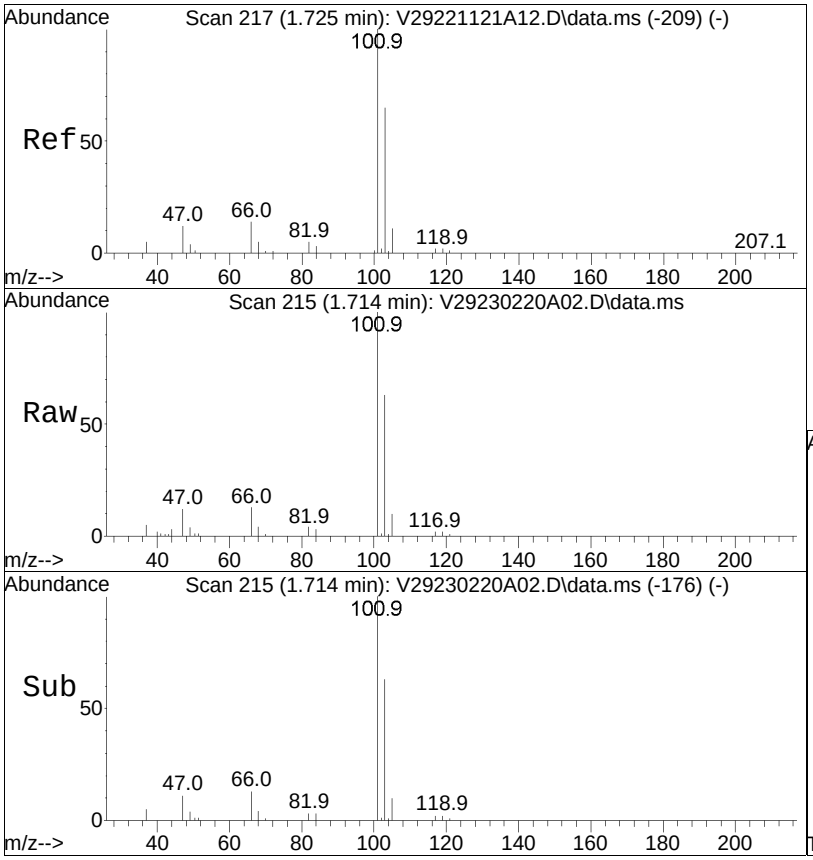


#6
Chloroethane
Concen: 35.82 ug/L
RT: 1.599 min Scan# 193
Delta R.T. -0.000 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 64 Resp: 86269

Ion	Ratio	Lower	Upper
64	100		
66	31.1	9.8	49.8

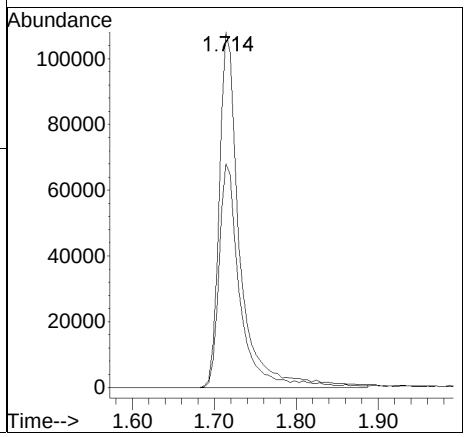


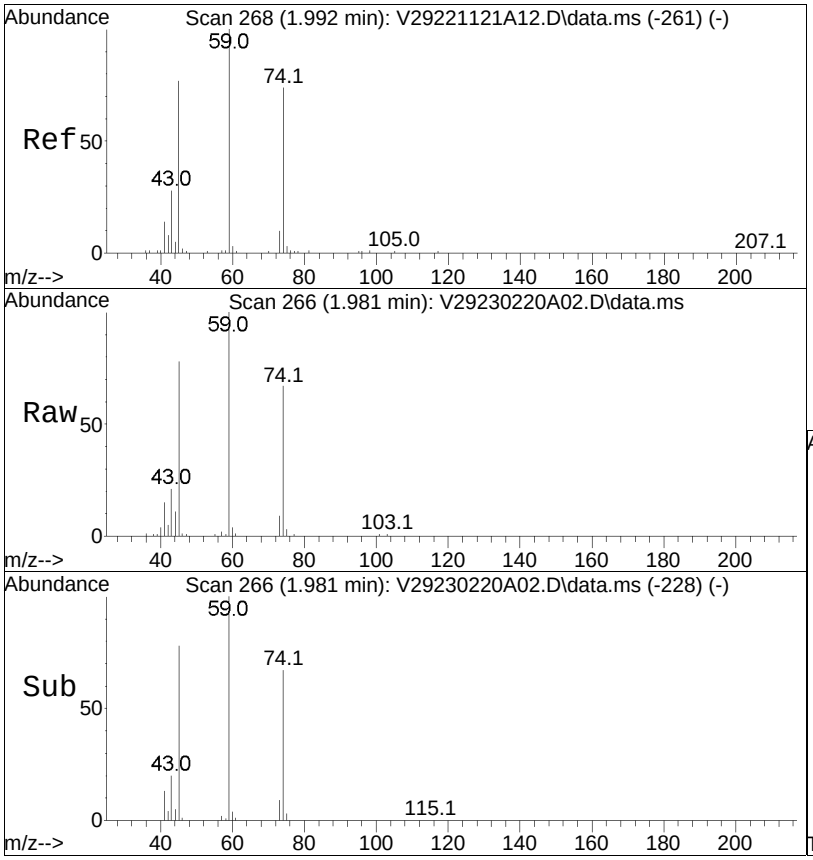


#7
Trichlorofluoromethane
Concen: 34.68 ug/L
RT: 1.714 min Scan# 215
Delta R.T. 0.005 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:101 Resp: 188263

Ion	Ratio	Lower	Upper
101	100		
103	64.8	53.8	80.6

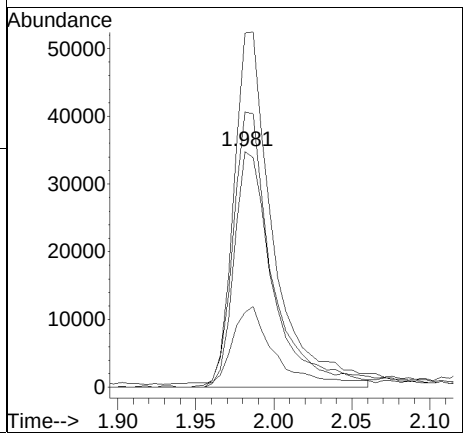


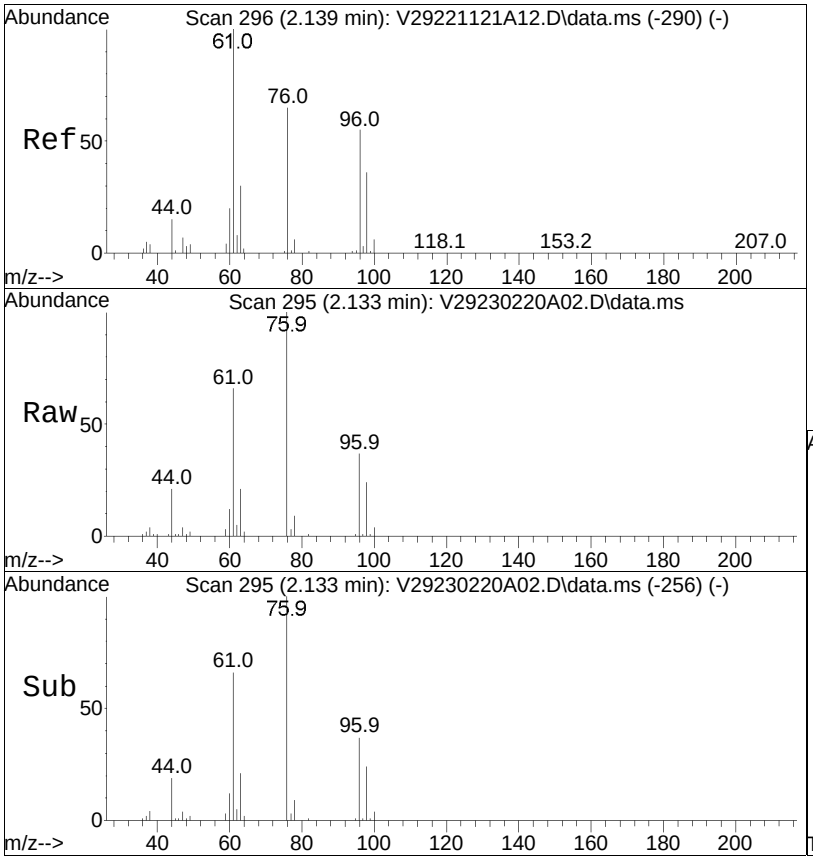


#8
Ethyl ether
Concen: 35.86 ug/L
RT: 1.981 min Scan# 266
Delta R.T. -0.001 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 74 Resp: 61270

Ion	Ratio	Lower	Upper
74	100		
59	154.8	122.2	253.8
45	119.8	91.9	190.9
43	35.4	25.2	52.2

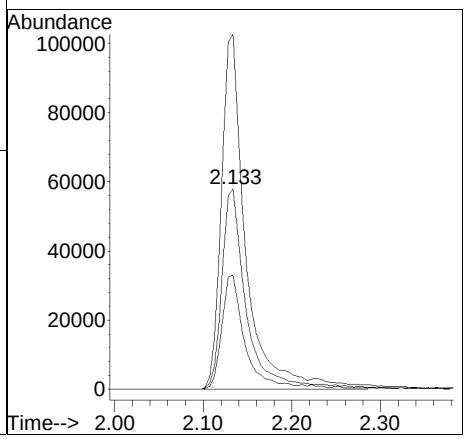


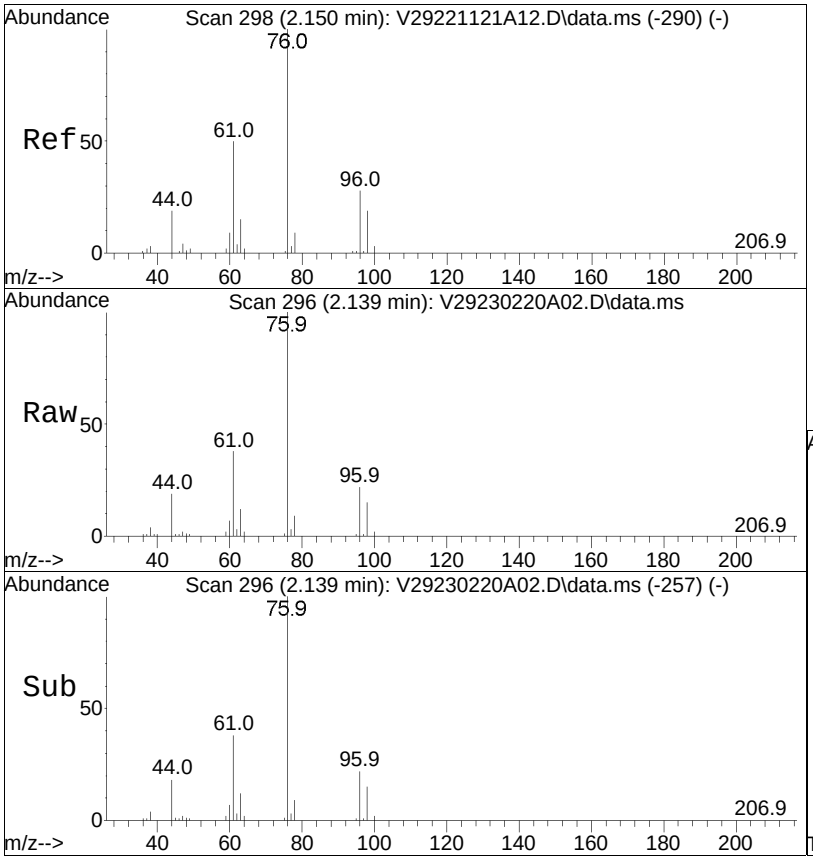


#10
1,1-Dichloroethene
Concen: 35.54 ug/L
RT: 2.133 min Scan# 295
Delta R.T. 0.004 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 96 Resp: 112369

Ion	Ratio	Lower	Upper
96	100		
61	169.0	186.1	279.1#
63	53.1	57.6	86.4#

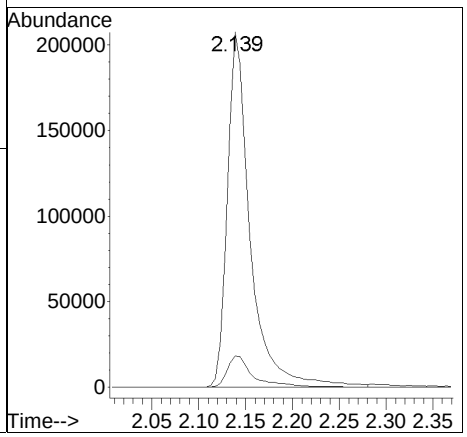


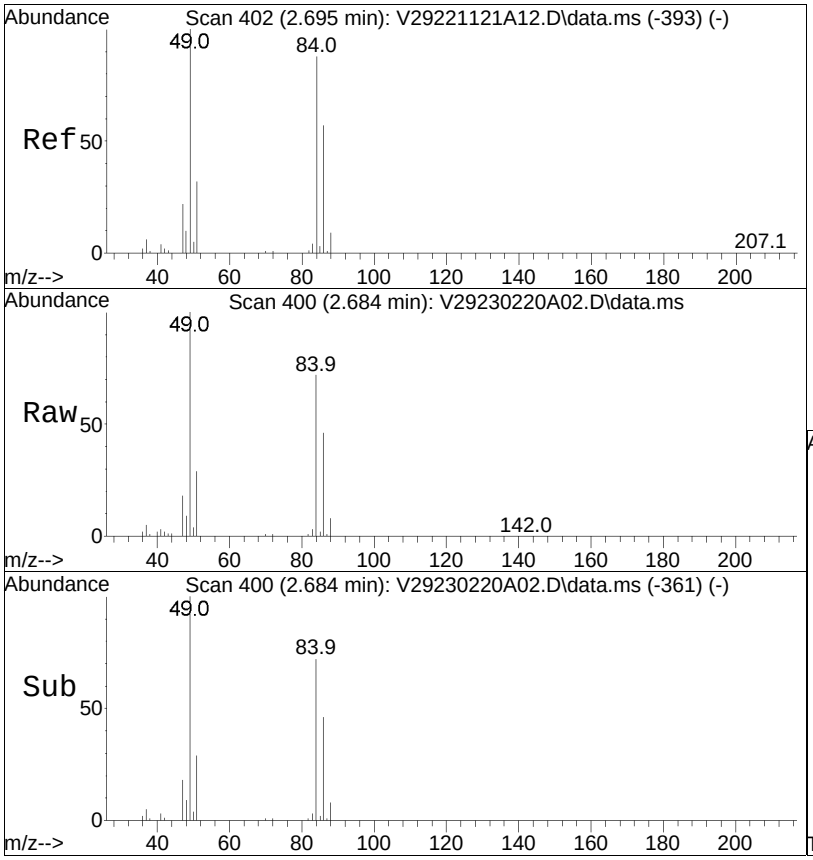


#11
Carbon disulfide
Concen: 53.98 ug/L
RT: 2.139 min Scan# 296
Delta R.T. 0.005 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 76 Resp: 353921

Ion	Ratio	Lower	Upper
76	100		
78	10.5	5.7	11.7

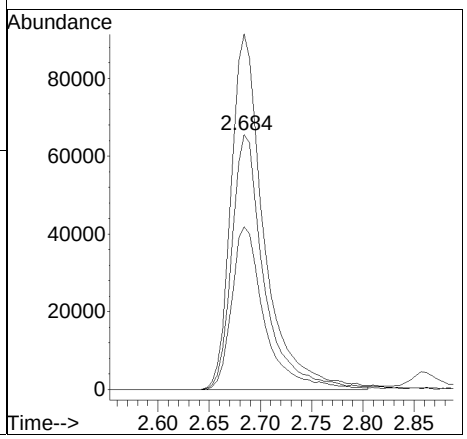


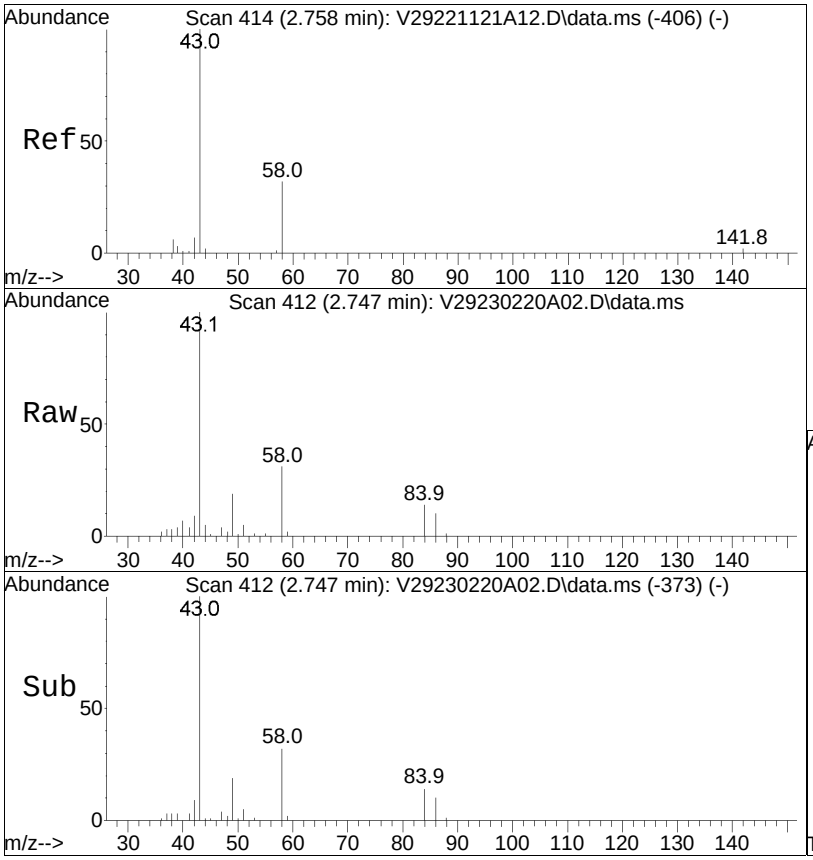


#15
Methylene chloride
Concen: 38.56 ug/L
RT: 2.684 min Scan# 400
Delta R.T. 0.005 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 84 Resp: 143969

Ion	Ratio	Lower	Upper
84	100		
86	65.0	40.4	83.8
49	142.4	120.0	249.2

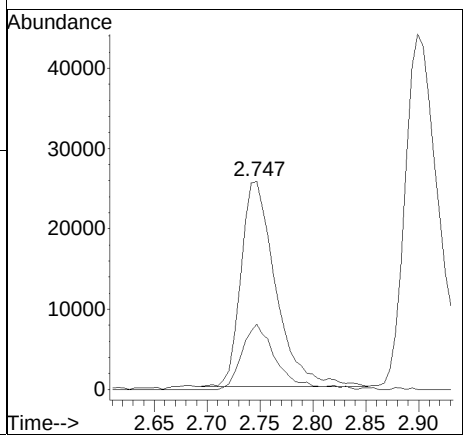


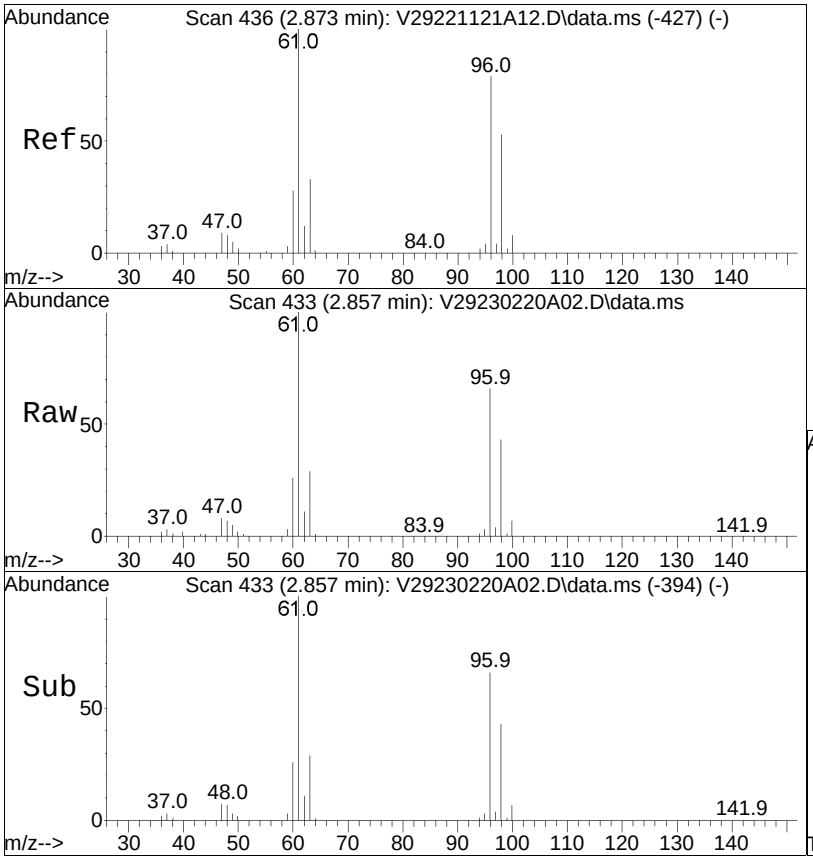


#17
Acetone
Concen: 59.28 ug/L
RT: 2.747 min Scan# 412
Delta R.T. 0.005 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 43 Resp: 58571

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.2	36.4

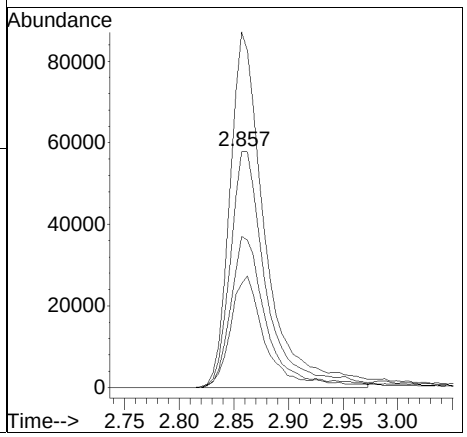


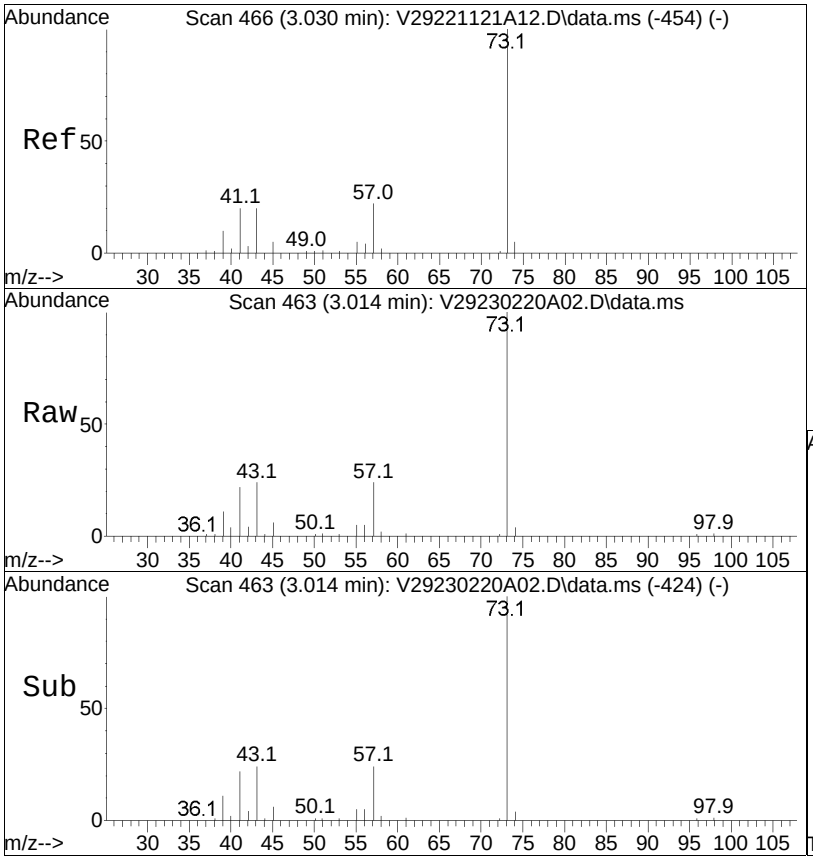


#18
trans-1,2-Dichloroethene
Concen: 37.34 ug/L
RT: 2.857 min Scan# 433
Delta R.T. 0.005 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 96 Resp: 132585

Ion	Ratio	Lower	Upper
96	100		
61	151.1	124.0	257.6
98	64.8	41.2	85.6
63	45.6	38.4	79.7

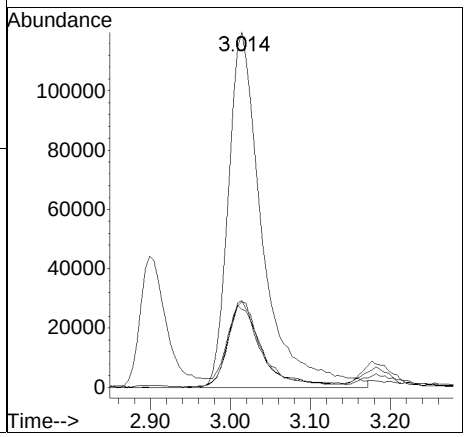


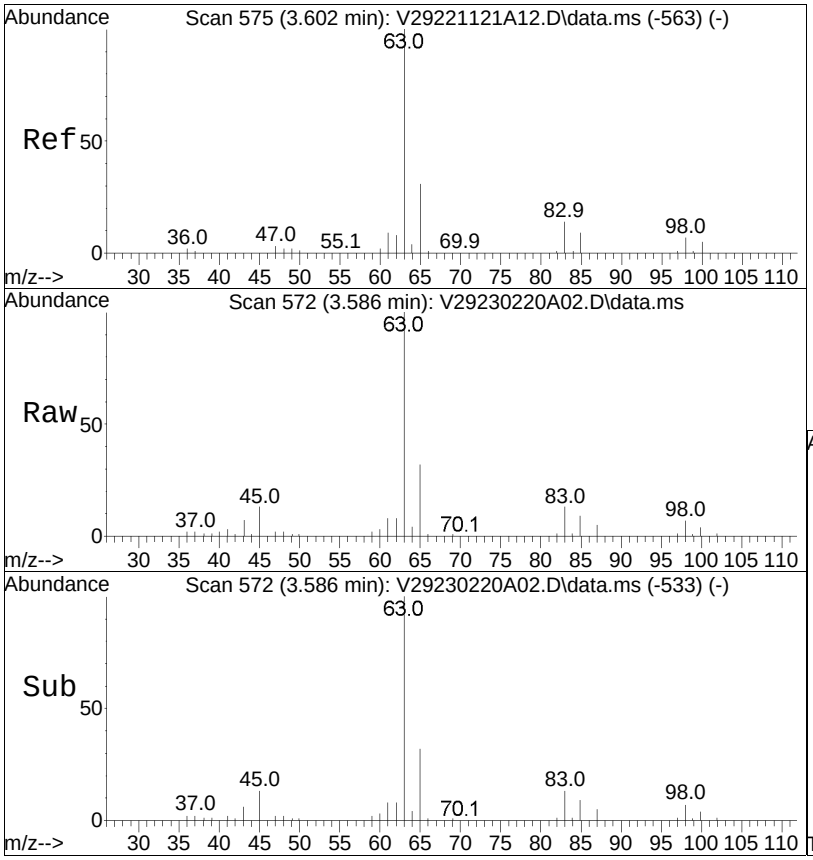


#20
Methyl tert-butyl ether
Concen: 42.47 ug/L
RT: 3.014 min Scan# 463
Delta R.T. 0.004 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 73 Resp: 354962

Ion	Ratio	Lower	Upper
73	100		
57	24.6	17.5	36.3
43	22.1	15.3	31.9
41	22.6	15.3	31.7

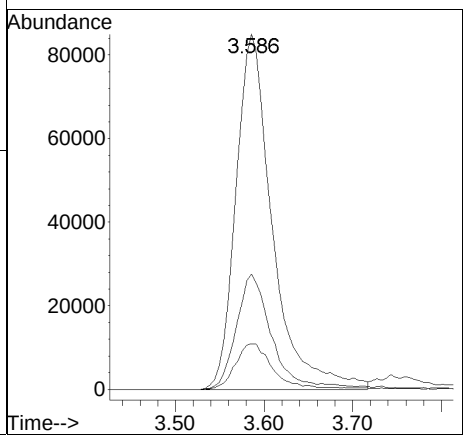


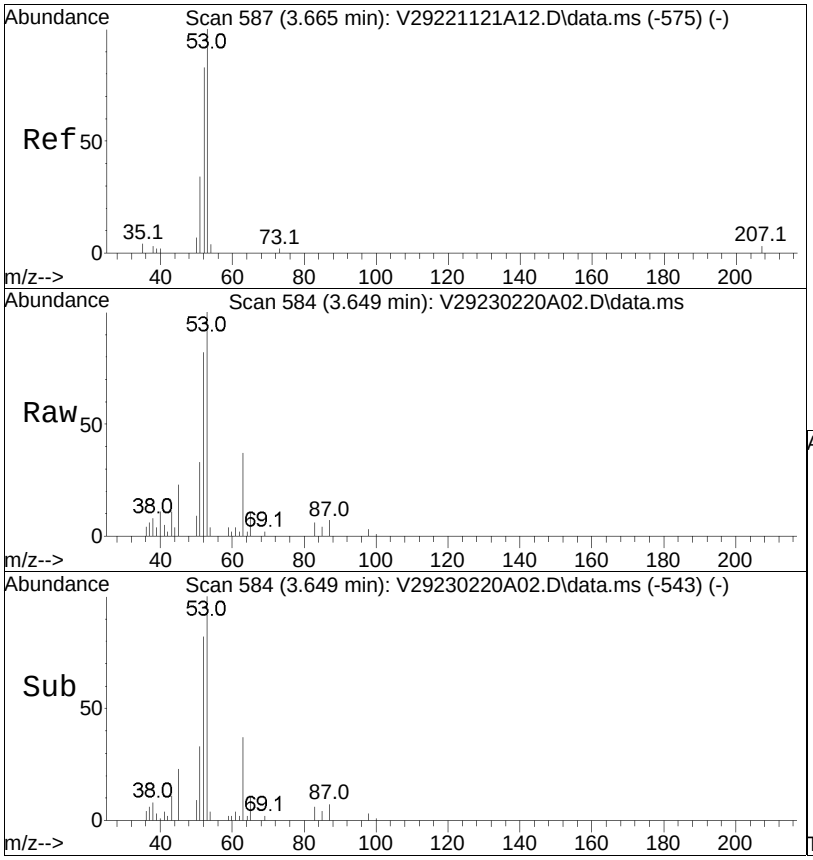


#23
1,1-Dichloroethane
Concen: 42.12 ug/L
RT: 3.586 min Scan# 572
Delta R.T. 0.005 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 63 Resp: 243957

Ion	Ratio	Lower	Upper
63	100		
65	31.8	11.0	51.0
83	13.0	0.0	31.8

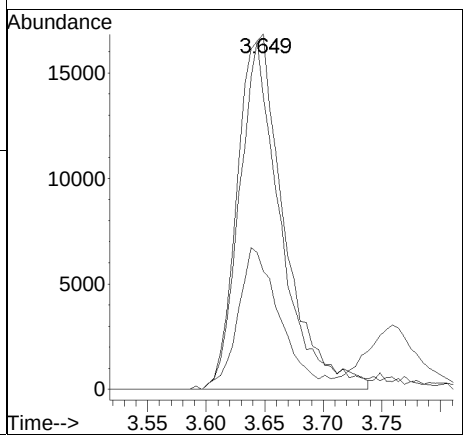


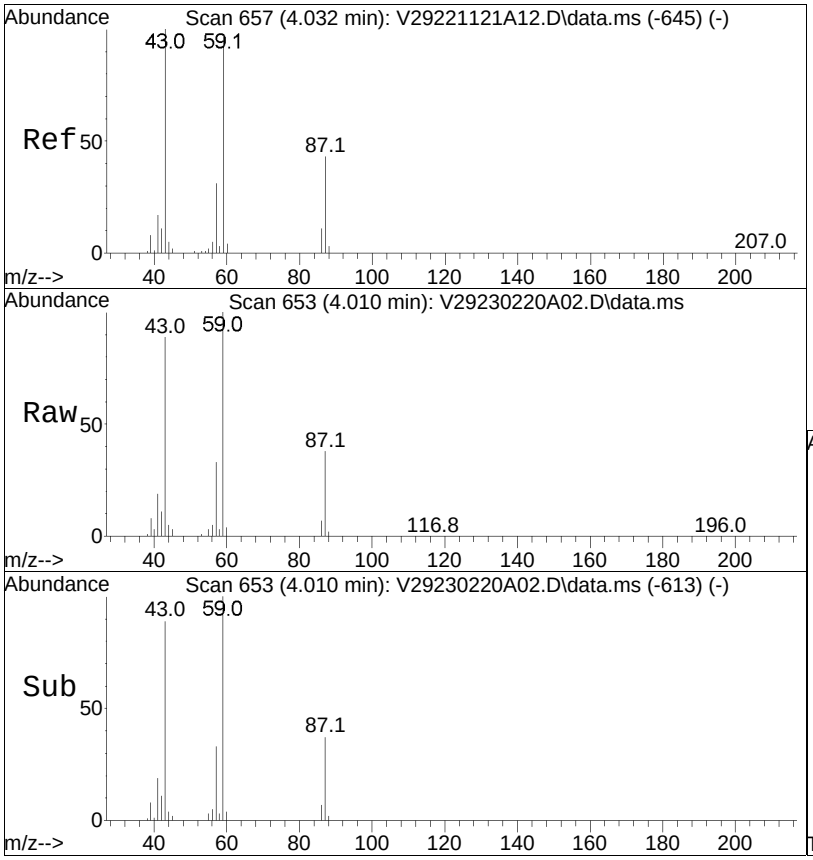


#25
Acrylonitrile
Concen: 44.04 ug/L
RT: 3.649 min Scan# 584
Delta R.T. 0.015 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 53 Resp: 46932

Ion	Ratio	Lower	Upper
53	100		
52	86.6	66.7	100.1
51	35.4	30.6	46.0

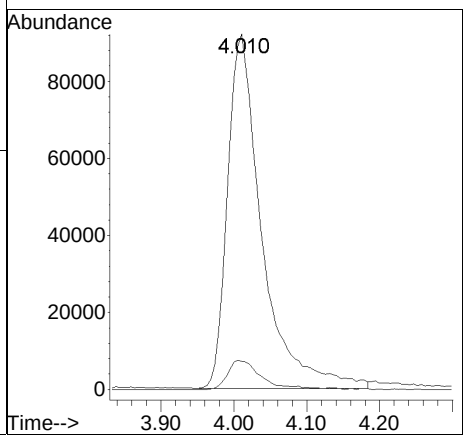


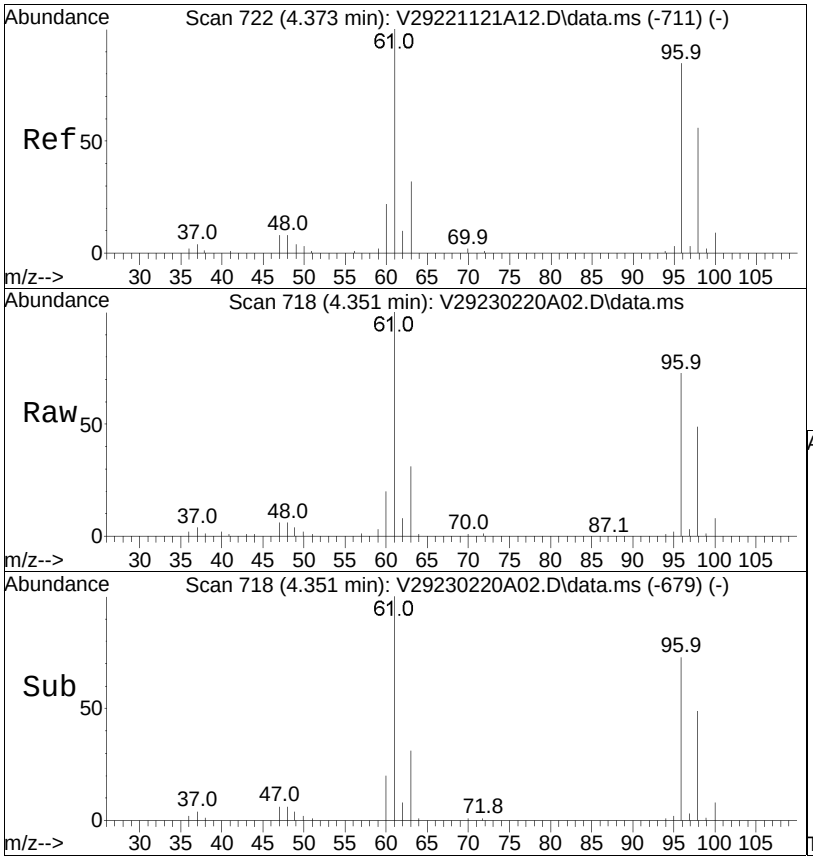


#27
Vinyl acetate
Concen: 40.84 ug/L
RT: 4.010 min Scan# 653
Delta R.T. 0.009 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 43 Resp: 302218

Ion	Ratio	Lower	Upper
43	100		
86	8.0	5.2	7.8#

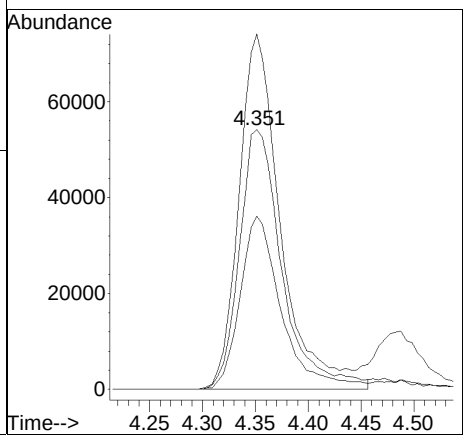


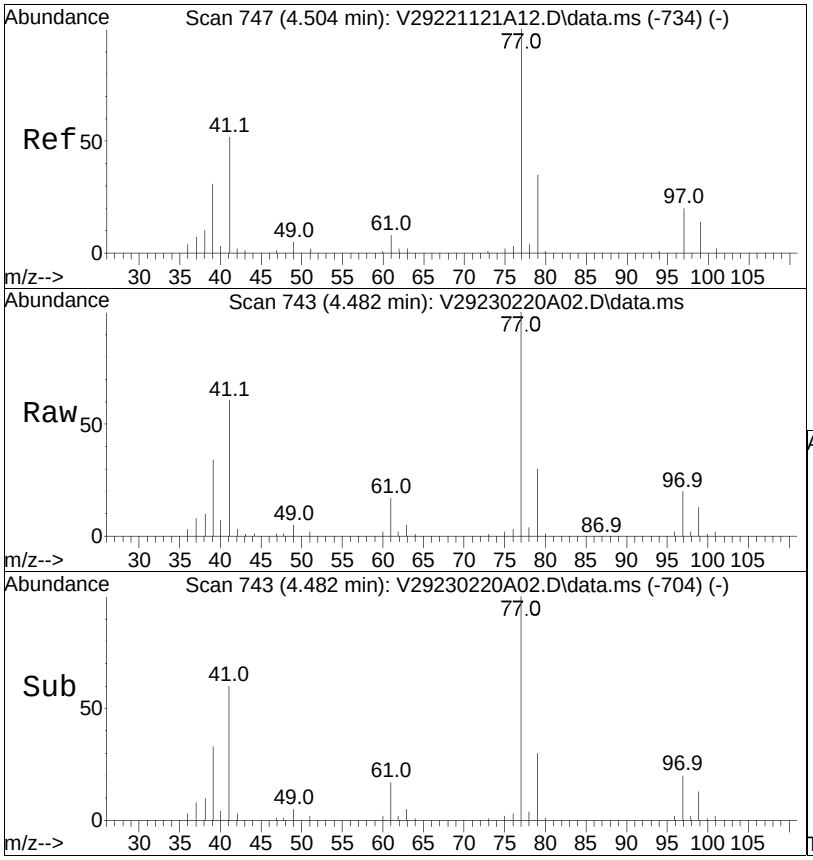


#28
cis-1,2-Dichloroethene
Concen: 38.85 ug/L
RT: 4.351 min Scan# 718
Delta R.T. 0.004 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 96 Resp: 152490

Ion	Ratio	Lower	Upper
96	100		
61	130.1	149.4	224.2#
98	64.6	53.4	80.2

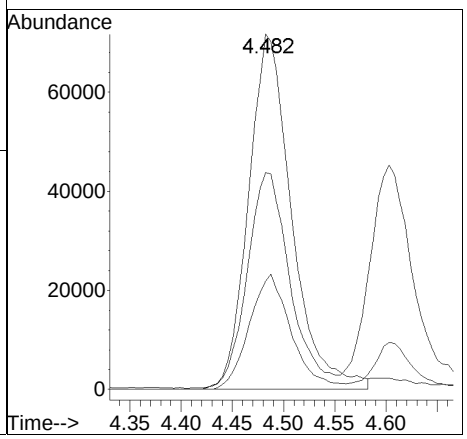


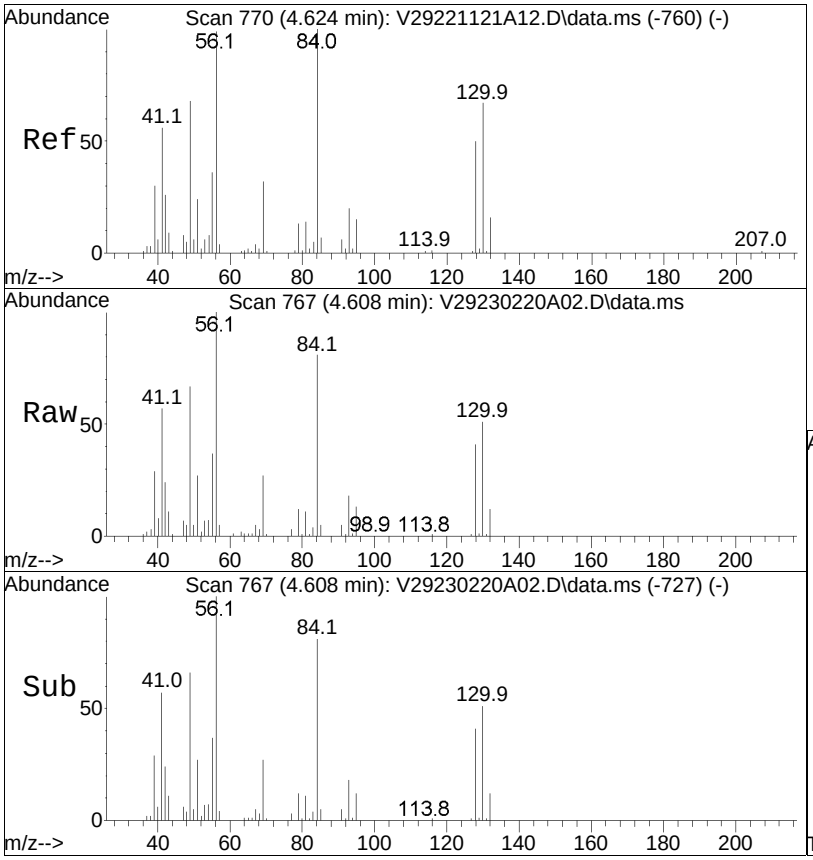


#29
2,2-Dichloropropane
Concen: 39.61 ug/L
RT: 4.482 min Scan# 743
Delta R.T. 0.004 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 77 Resp: 209871

Ion	Ratio	Lower	Upper
77	100		
41	59.9	38.0	78.8
79	31.6	20.5	42.5

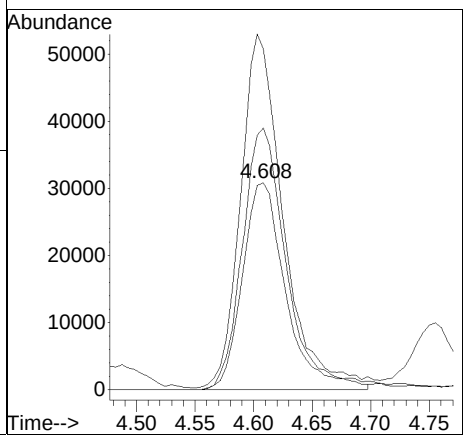


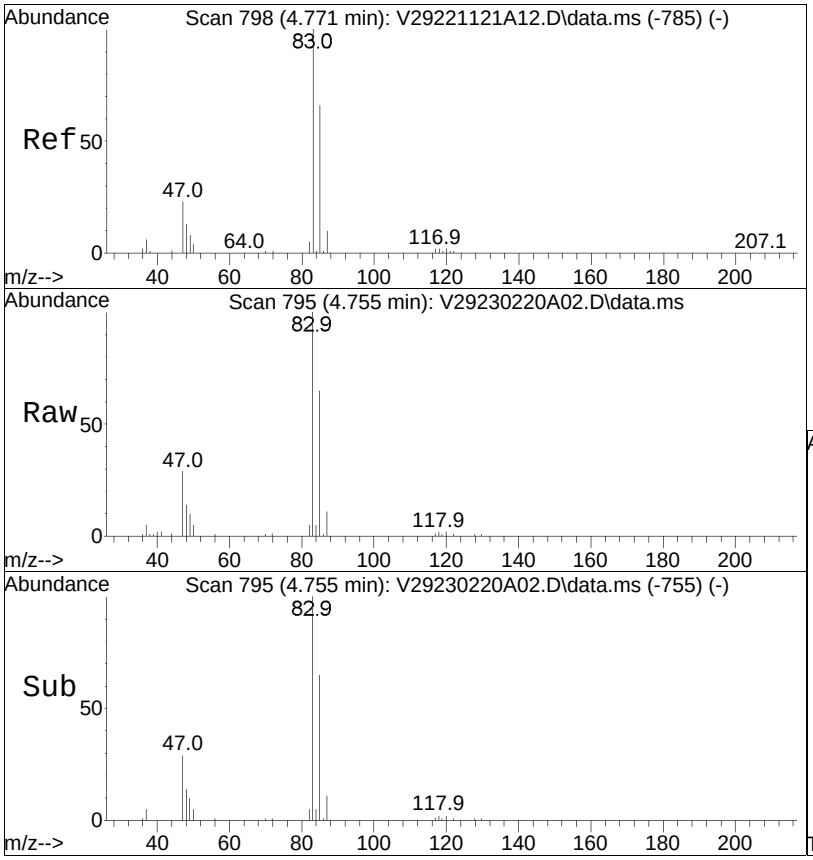


#30
Bromochloromethane
Concen: 39.21 ug/L
RT: 4.608 min Scan# 767
Delta R.T. 0.010 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:128 Resp: 79274

Ion	Ratio	Lower	Upper
128	100		
49	168.0	223.0	334.4#
130	128.9	111.4	167.0

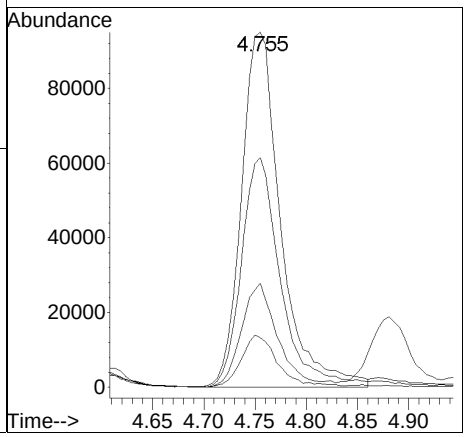


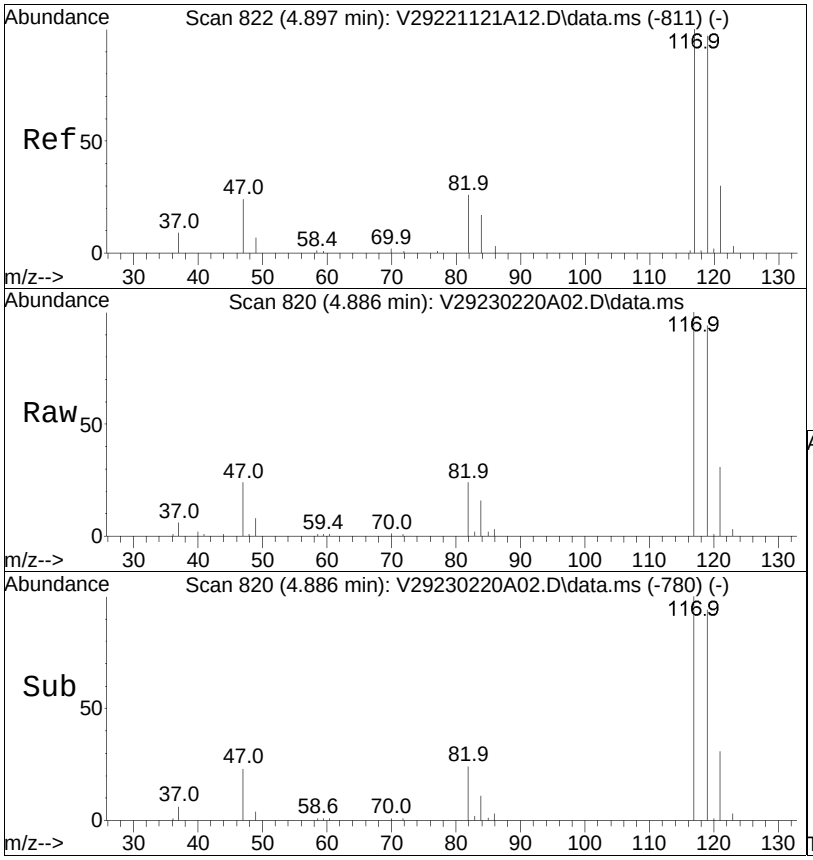


#32
Chloroform
Concen: 40.45 ug/L
RT: 4.755 min Scan# 795
Delta R.T. 0.010 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 83 Resp: 254182

Ion	Ratio	Lower	Upper
83	100		
85	64.5	41.5	86.1
47	27.0	19.0	39.4
48	14.0	9.9	20.5

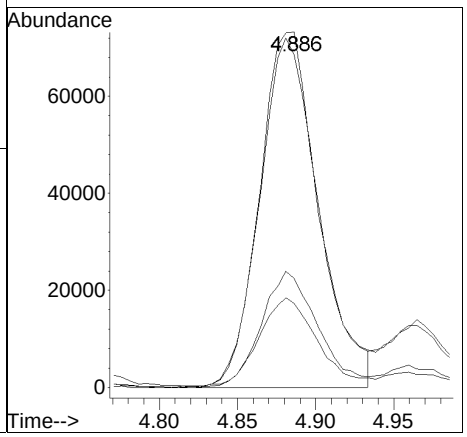


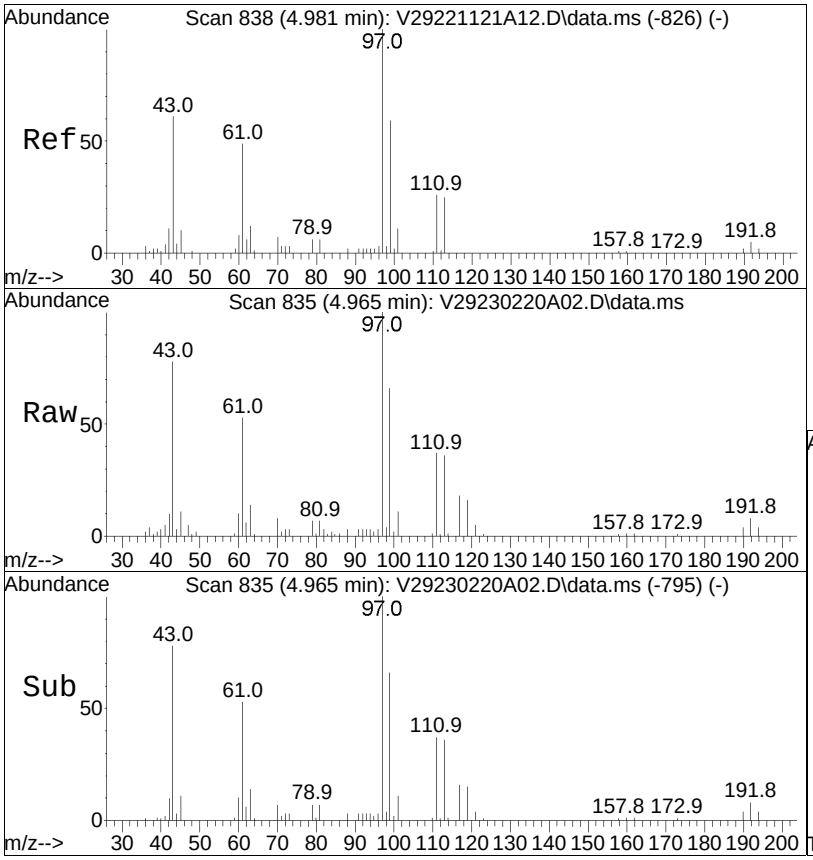


#34
Carbon tetrachloride
Concen: 38.17 ug/L
RT: 4.886 min Scan# 820
Delta R.T. 0.010 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:117 Resp: 193121

Ion	Ratio	Lower	Upper
117	100		
119	98.9	62.4	129.6
121	31.2	19.5	40.5
82	24.9	17.0	35.4

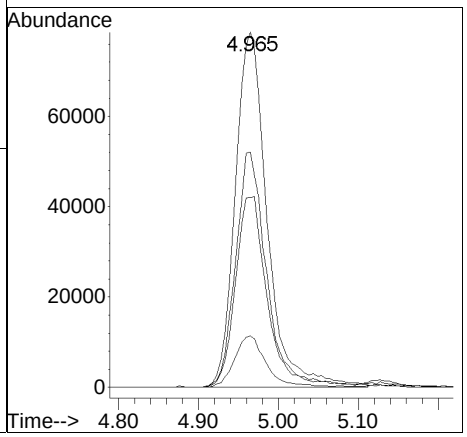


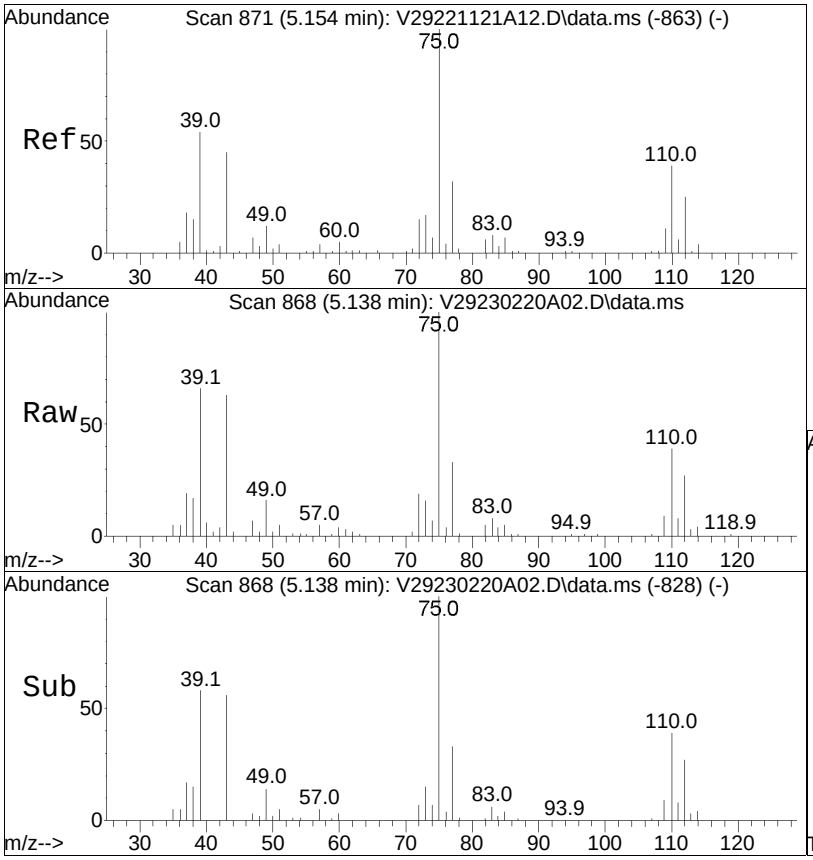


#37
1,1,1-Trichloroethane
Concen: 39.95 ug/L
RT: 4.965 min Scan# 835
Delta R.T. 0.010 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 97 Resp: 219519

Ion	Ratio	Lower	Upper
97	100		
99	64.4	40.7	84.5
61	53.7	35.4	73.4
63	14.4	5.0	10.4#

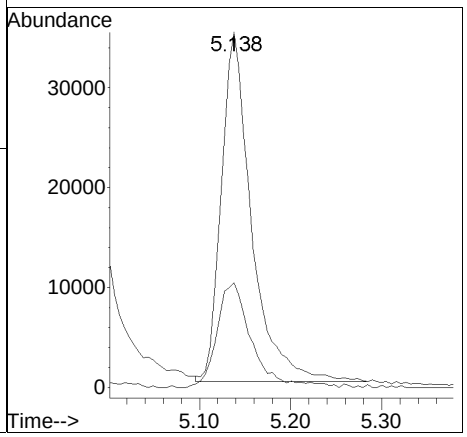


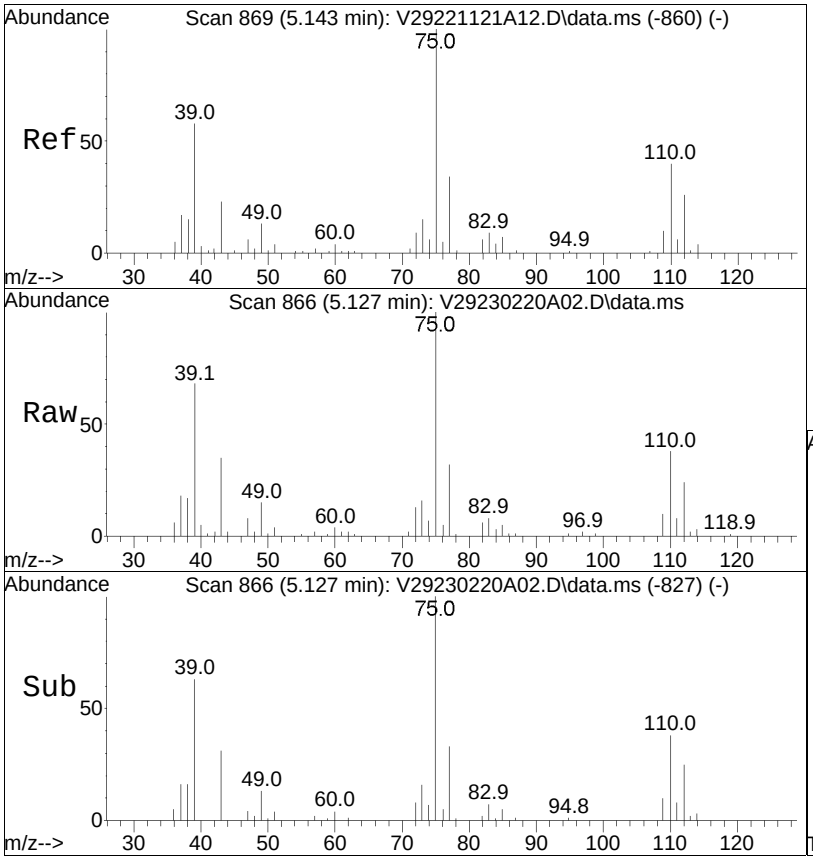


#39
2-Butanone
Concen: 50.93 ug/L
RT: 5.138 min Scan# 868
Delta R.T. 0.010 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 43 Resp: 81032

Ion	Ratio	Lower	Upper
43	100		
72	34.1	10.9	16.3#

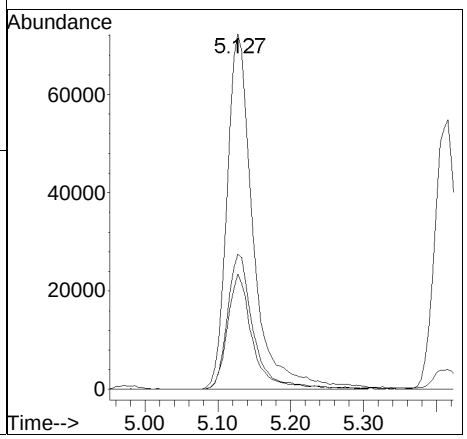


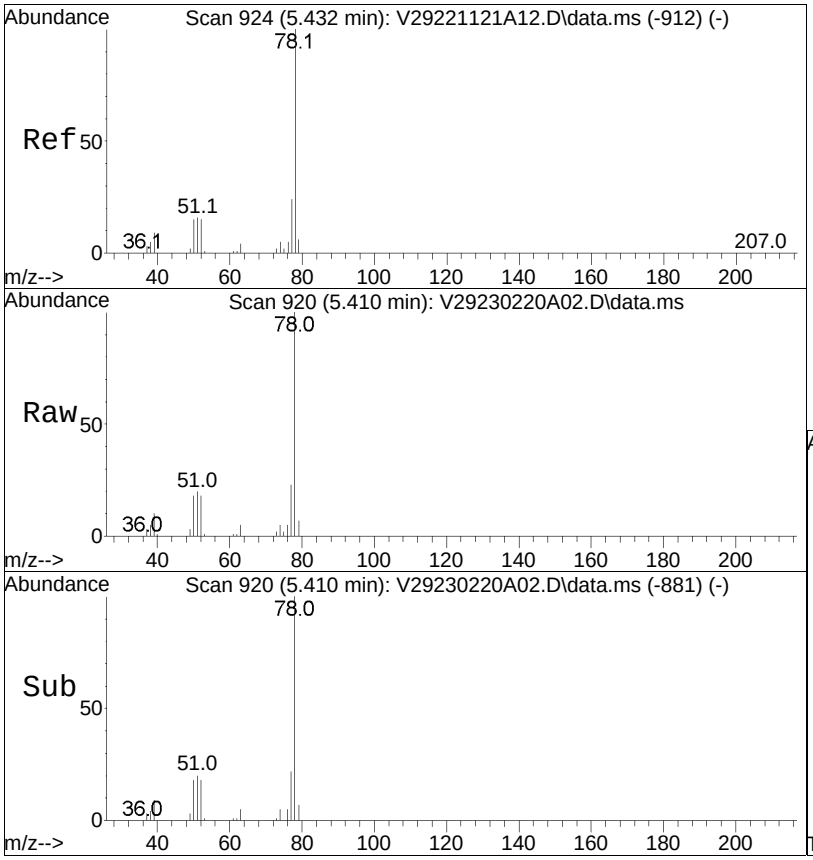


#40
1,1-Dichloropropene
Concen: 40.30 ug/L
RT: 5.127 min Scan# 866
Delta R.T. 0.004 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 75 Resp: 182104

Ion	Ratio	Lower	Upper
75	100		
110	37.6	20.2	41.9
77	30.4	20.1	41.7

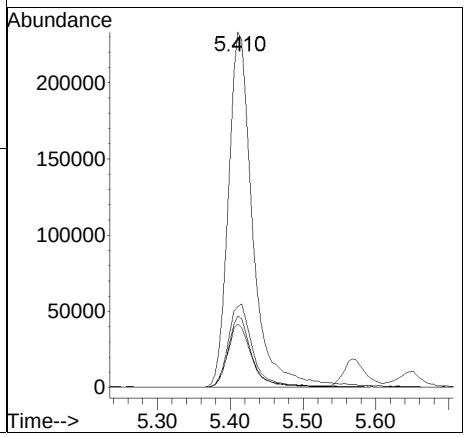


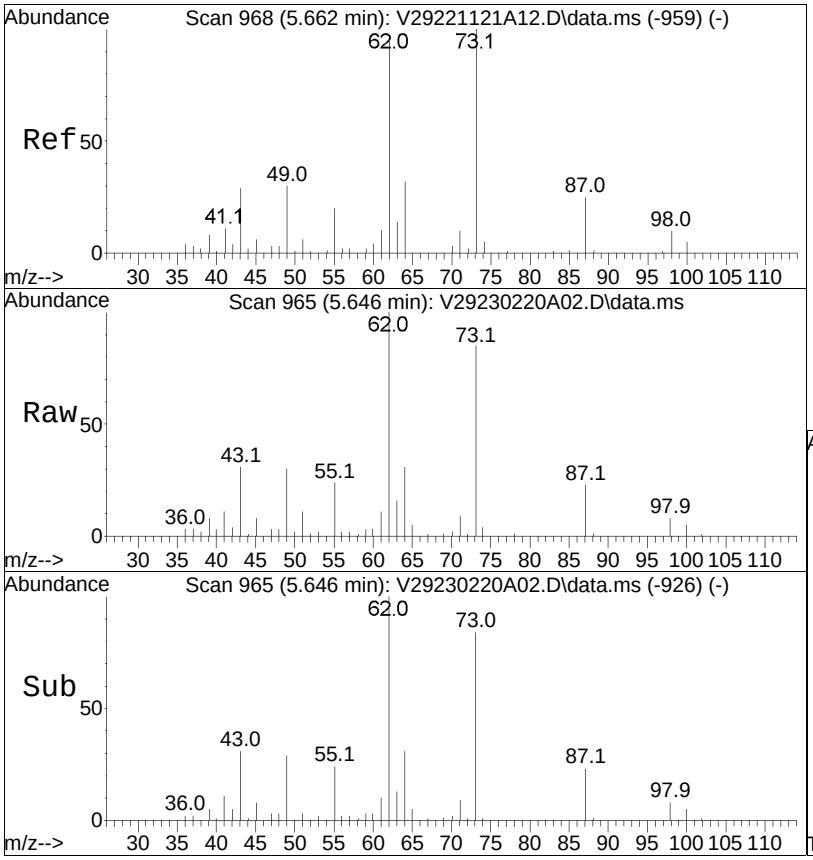


#41
Benzene
Concen: 40.43 ug/L
RT: 5.410 min Scan# 920
Delta R.T. 0.004 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 78 Resp: 546186

Ion	Ratio	Lower	Upper
78	100		
77	23.7	15.7	32.7
51	19.4	16.0	33.2
52	17.7	15.3	31.9

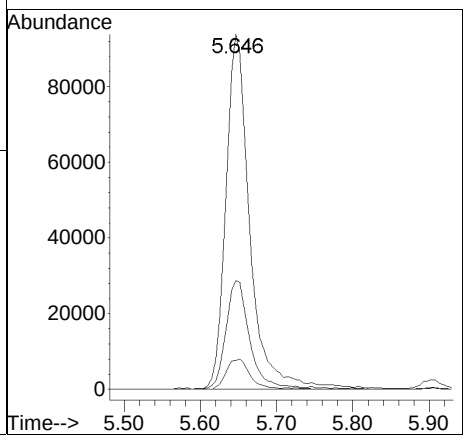


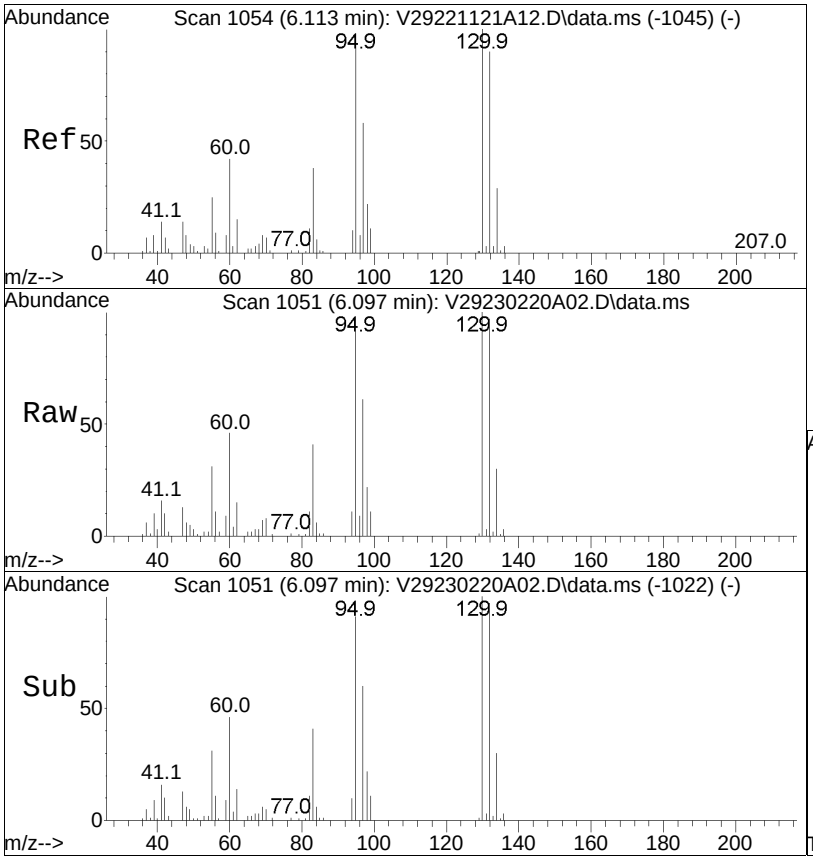


#44
1,2-Dichloroethane
Concen: 46.27 ug/L
RT: 5.646 min Scan# 965
Delta R.T. 0.004 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 62 Resp: 206414

Ion	Ratio	Lower	Upper
62	100		
64	30.4	11.2	51.2
98	8.4	0.0	26.1

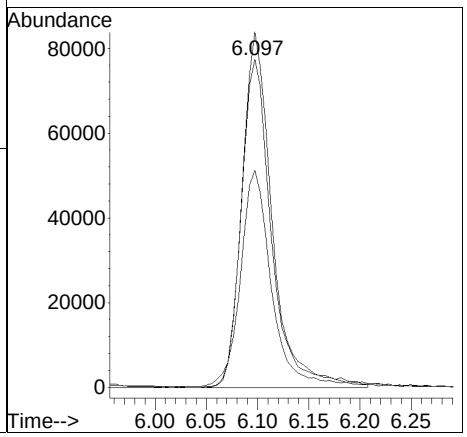


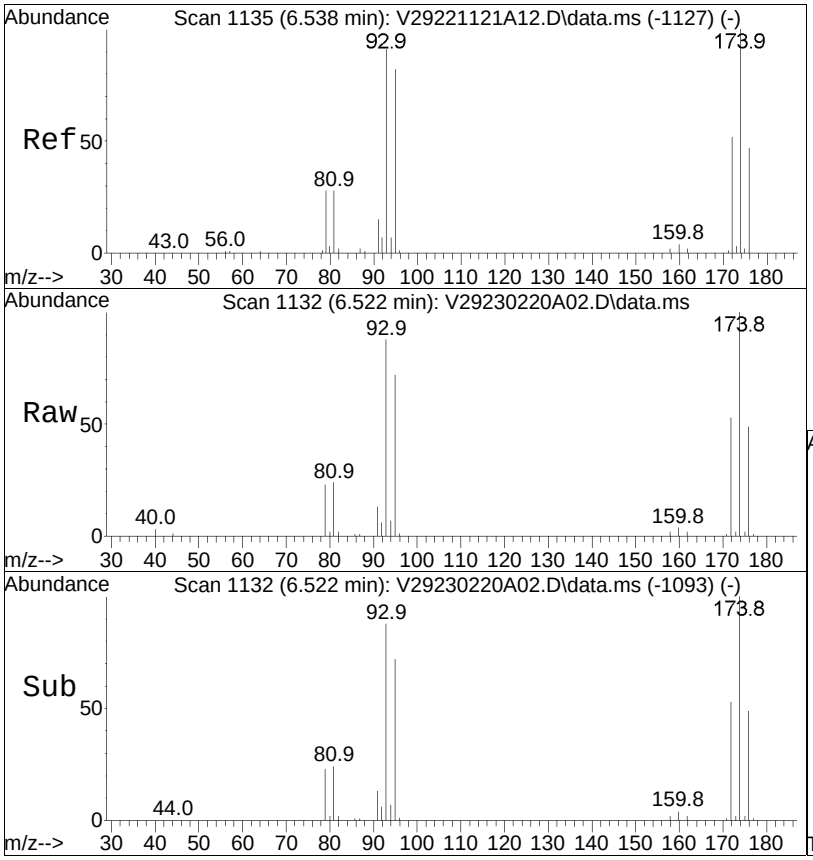


#48
Trichloroethene
Concen: 41.79 ug/L
RT: 6.097 min Scan# 1051
Delta R.T. 0.004 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 95 Resp: 160532

Ion	Ratio	Lower	Upper
95	100		
97	68.2	55.5	83.3
130	108.2	76.6	115.0

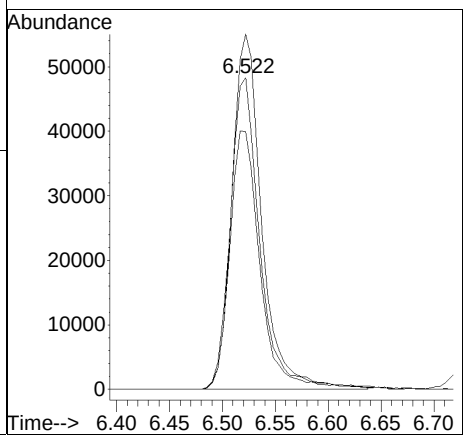


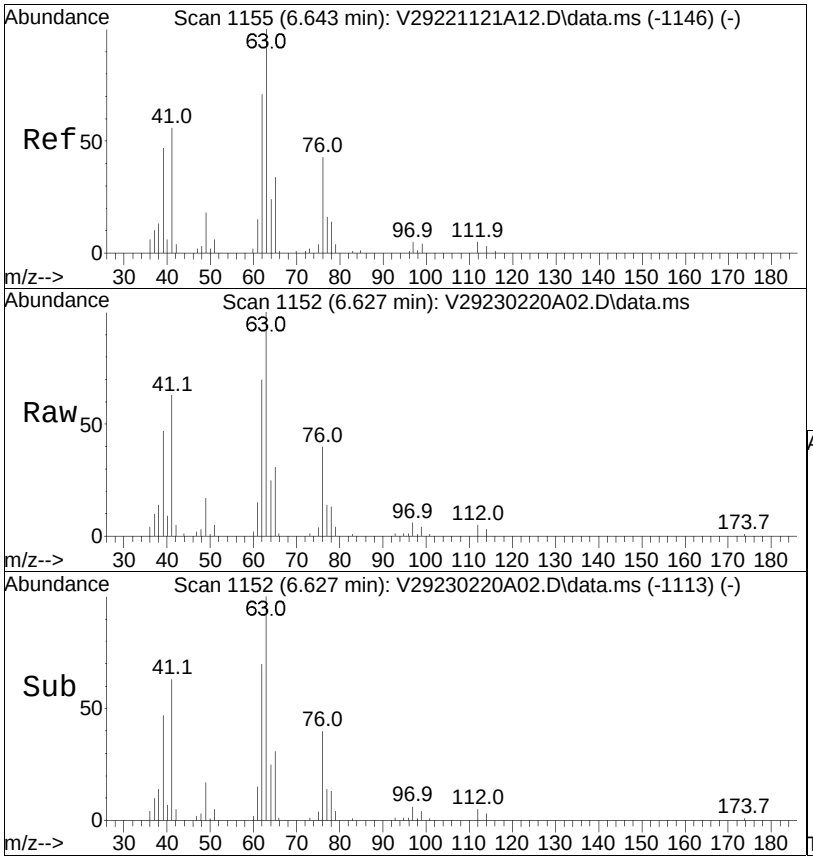


#50
Dibromomethane
Concen: 41.46 ug/L
RT: 6.522 min Scan# 1132
Delta R.T. 0.005 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 93 Resp: 94002

Ion	Ratio	Lower	Upper
93	100		
95	84.6	67.0	100.4
174	115.5	75.0	112.4#

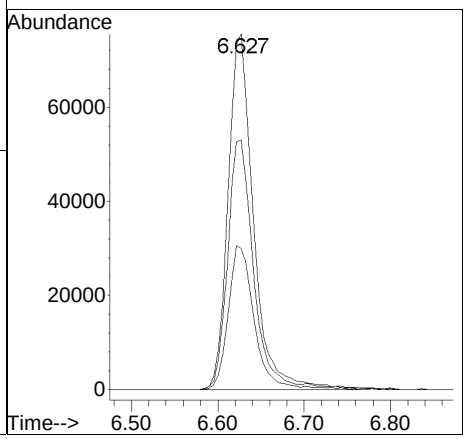


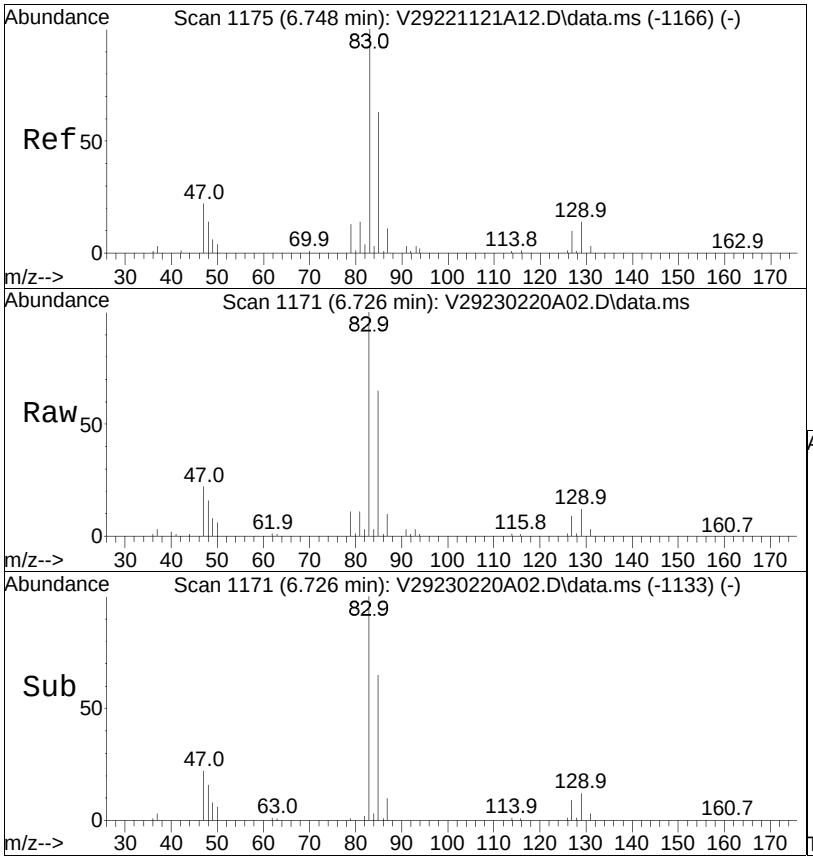


#51
1,2-Dichloropropane
Concen: 42.99 ug/L
RT: 6.627 min Scan# 1152
Delta R.T. 0.005 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 63 Resp: 155152

Ion	Ratio	Lower	Upper
63	100		
62	71.8	58.6	87.8
76	41.3	38.0	57.0

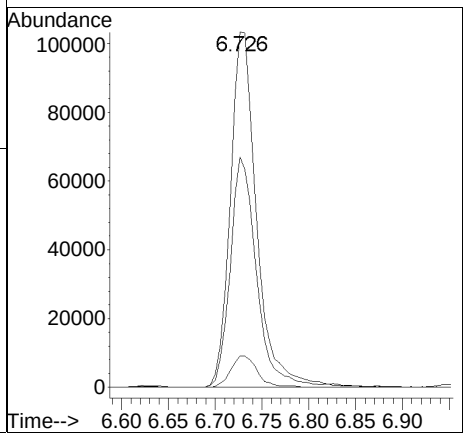


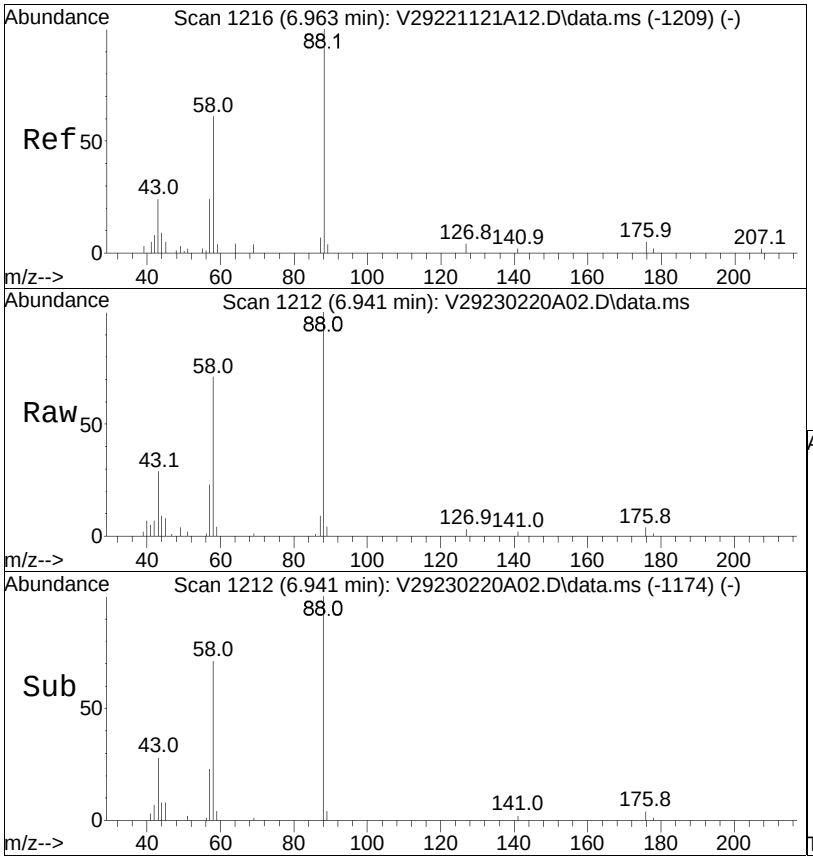


#54
Bromodichloromethane
Concen: 41.96 ug/L
RT: 6.726 min Scan# 1171
Delta R.T. -0.001 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 83 Resp: 203266

Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.3	78.5
127	9.0	6.2	9.4

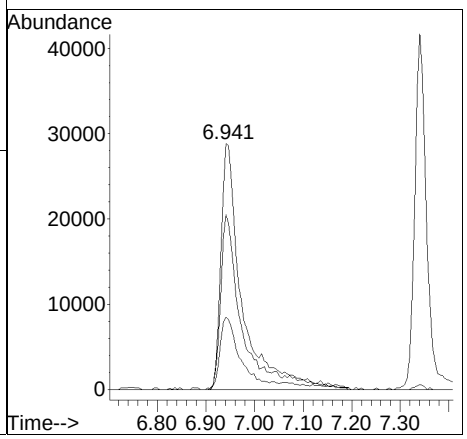


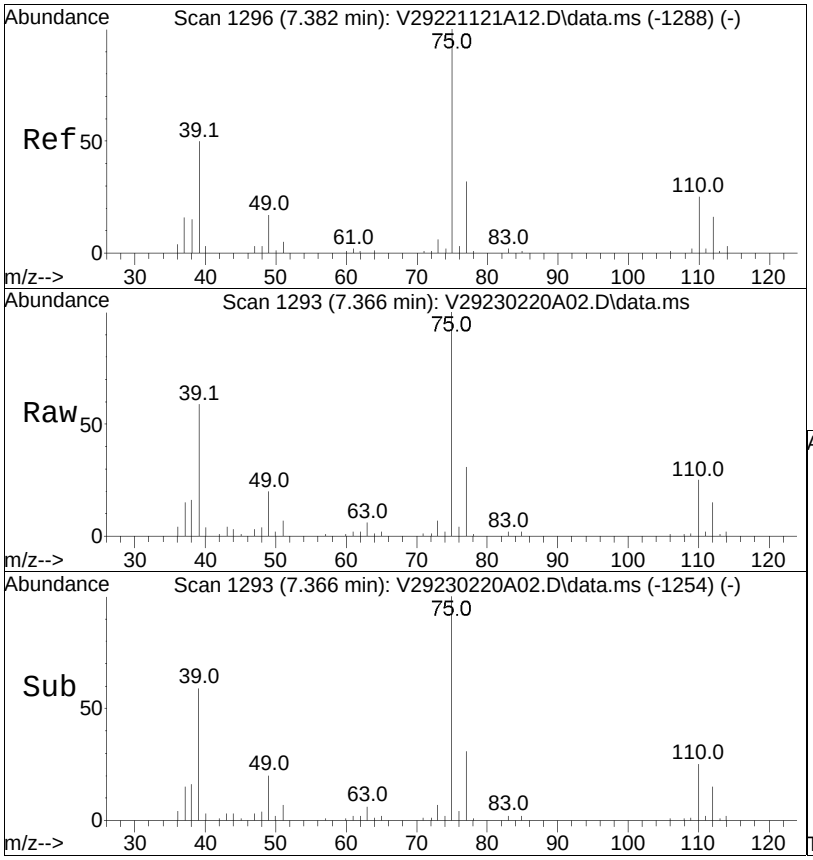


#57
1,4-Dioxane
Concen: 2115.69 ug/L M1
RT: 6.941 min Scan# 1212
Delta R.T. -0.001 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 88 Resp: 88069

Ion	Ratio	Lower	Upper
88	100		
58	62.8	76.7	115.1#
43	27.7	36.2	54.2#

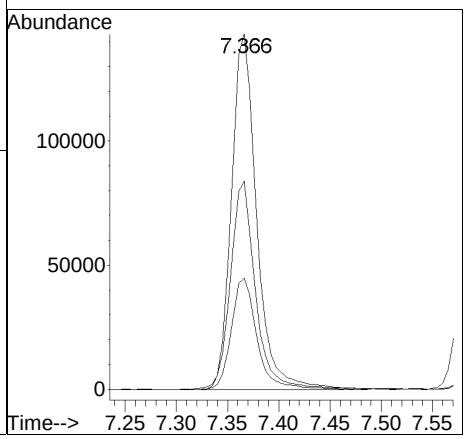


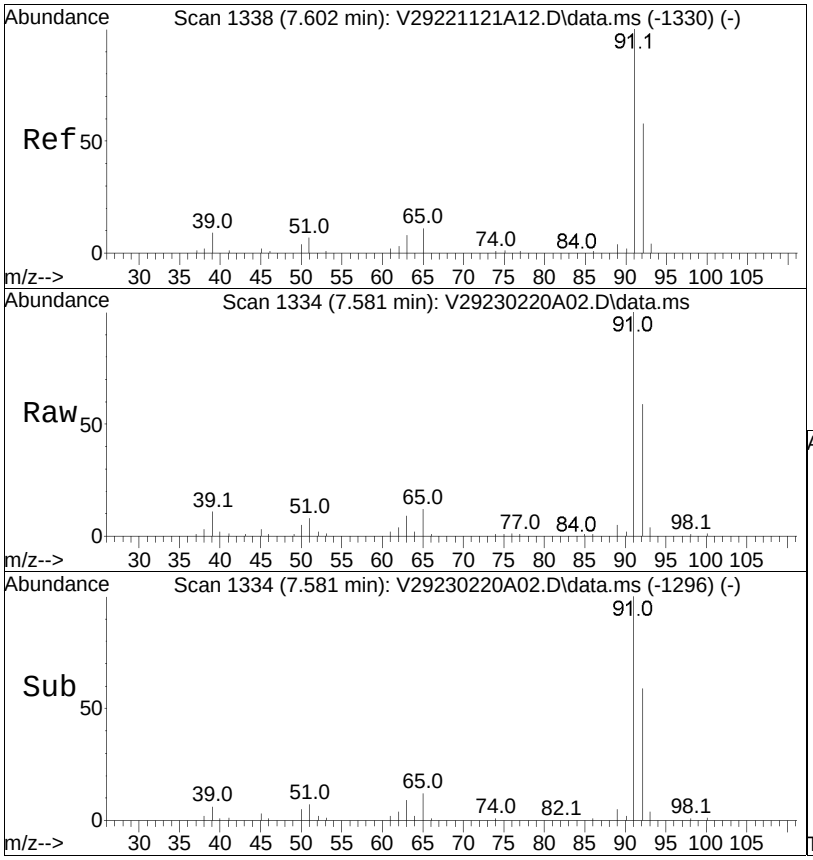


#58
cis-1,3-Dichloropropene
Concen: 41.67 ug/L
RT: 7.366 min Scan# 1293
Delta R.T. 0.005 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 75 Resp: 245254

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.4
39	58.2	50.1	75.1

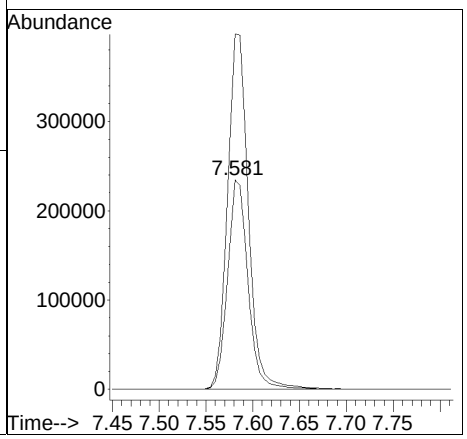


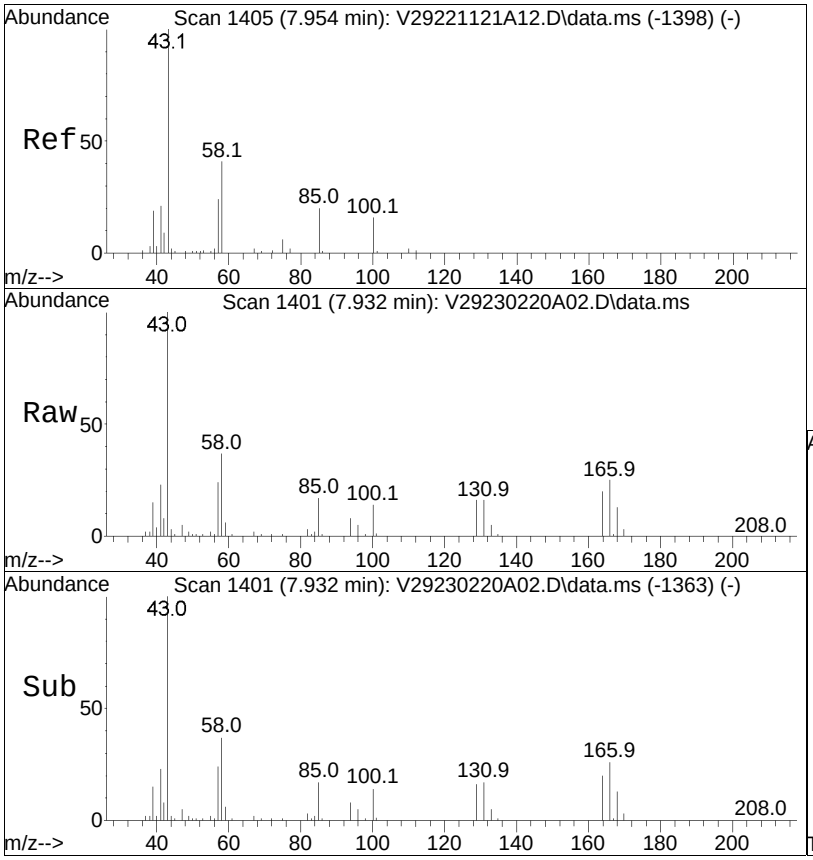


#61
Toluene
Concen: 41.28 ug/L
RT: 7.581 min Scan# 1334
Delta R.T. -0.001 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 92 Resp: 357049

Ion	Ratio	Lower	Upper
92	100		
91	172.9	139.8	209.6

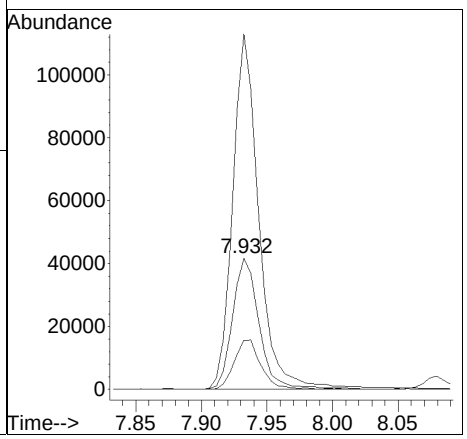


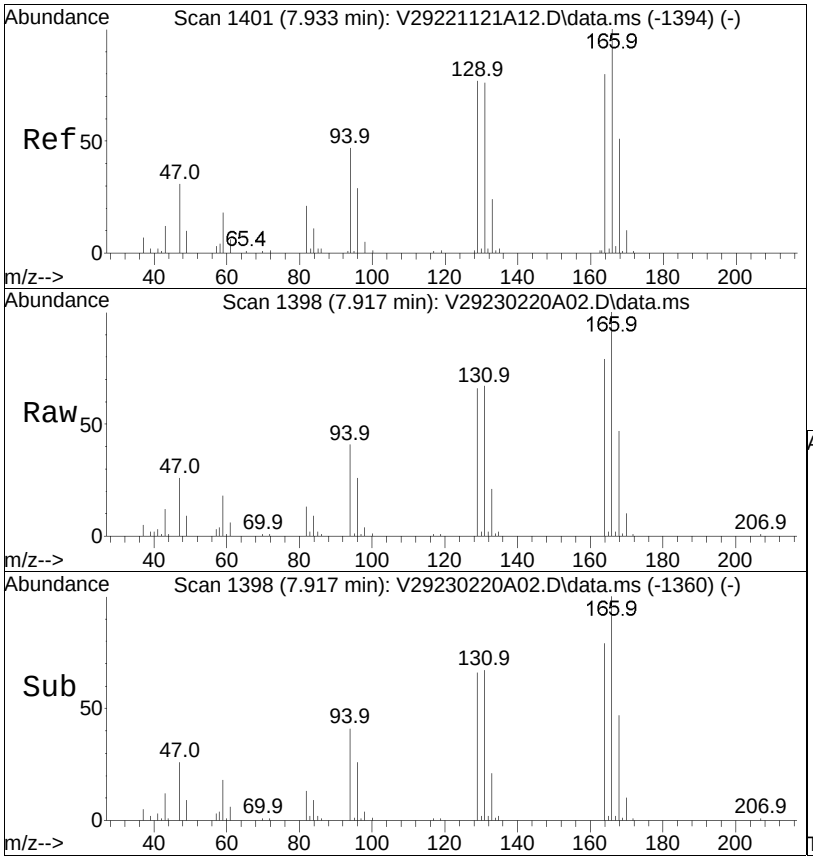


#62
4-Methyl-2-pentanone
Concen: 43.32 ug/L
RT: 7.932 min Scan# 1401
Delta R.T. -0.001 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 58 Resp: 59192

Ion	Ratio	Lower	Upper
58	100		
100	37.9	20.2	30.2#
43	265.2	196.6	295.0

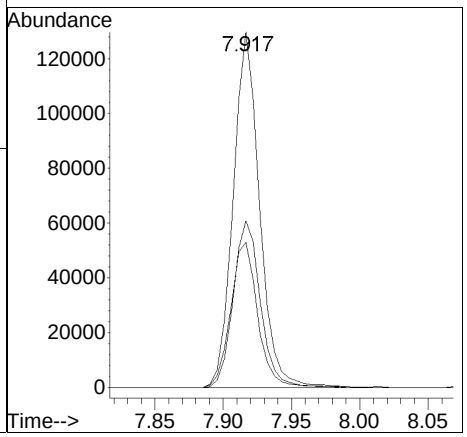


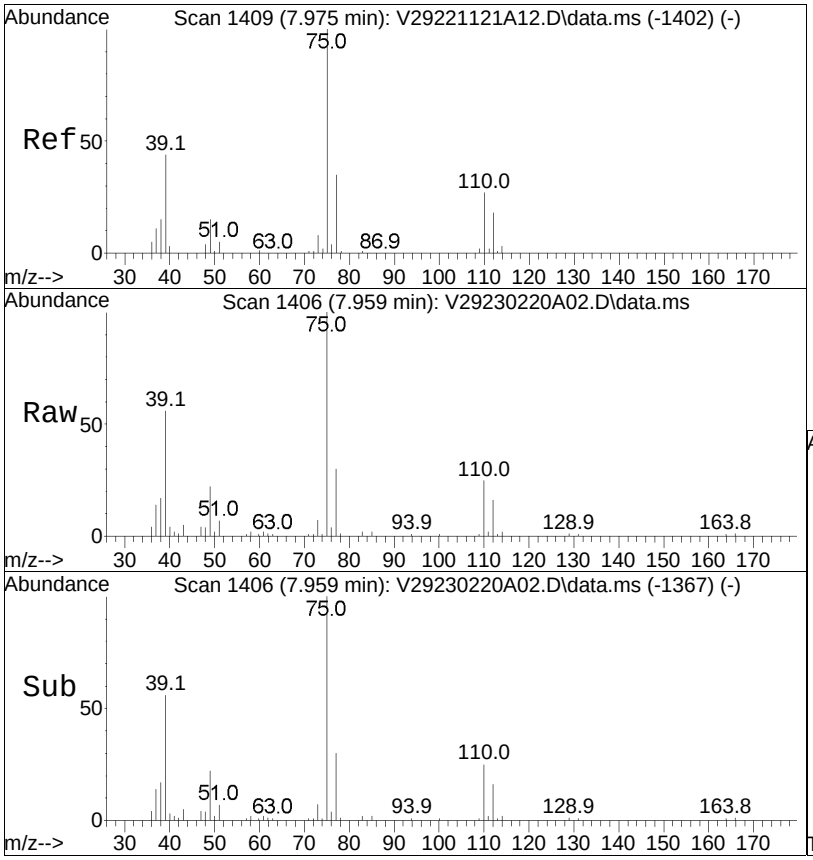


#63
Tetrachloroethene
Concen: 41.56 ug/L
RT: 7.917 min Scan# 1398
Delta R.T. -0.000 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:166 Resp: 174173

Ion	Ratio	Lower	Upper
166	100		
168	48.3	28.2	68.2
94	41.7	38.4	78.4

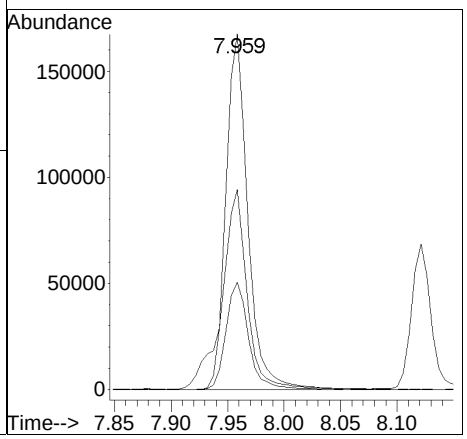


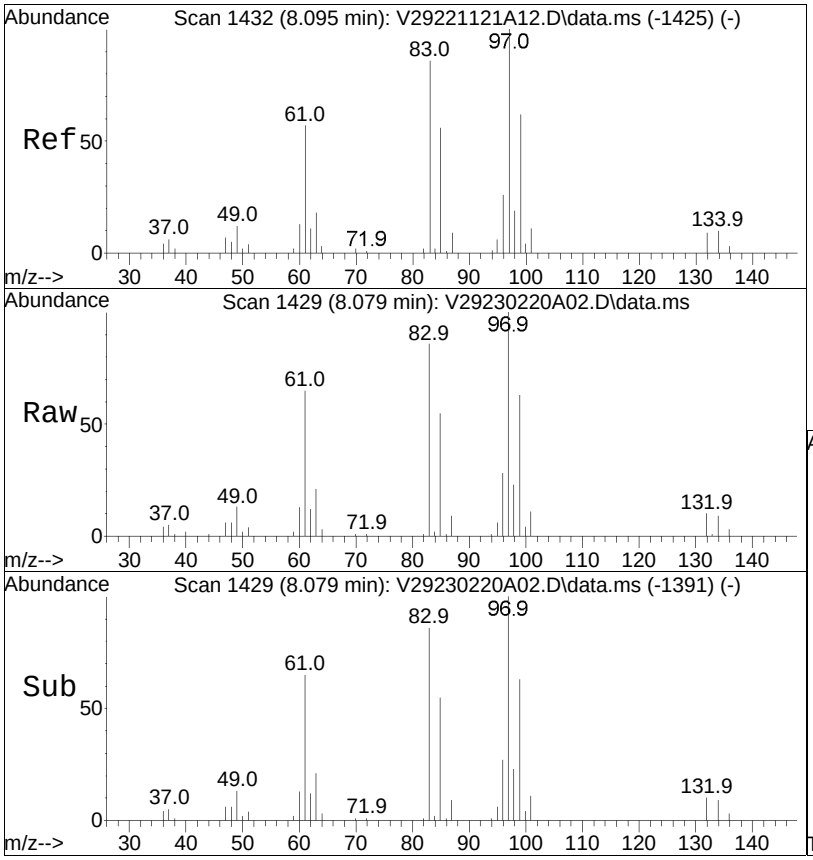


#65
trans-1,3-Dichloropropene
Concen: 43.69 ug/L
RT: 7.959 min Scan# 1406
Delta R.T. 0.005 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 75 Resp: 226320

Ion	Ratio	Lower	Upper
75	100		
77	31.0	12.4	52.4
39	65.3	42.8	82.8

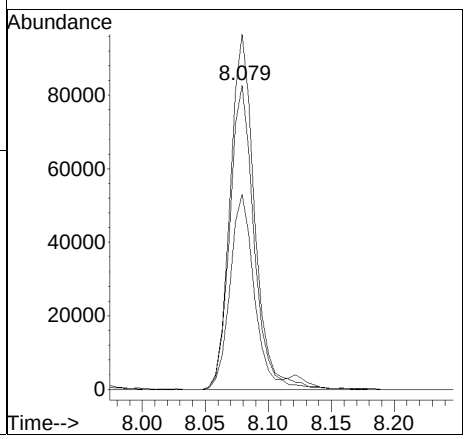


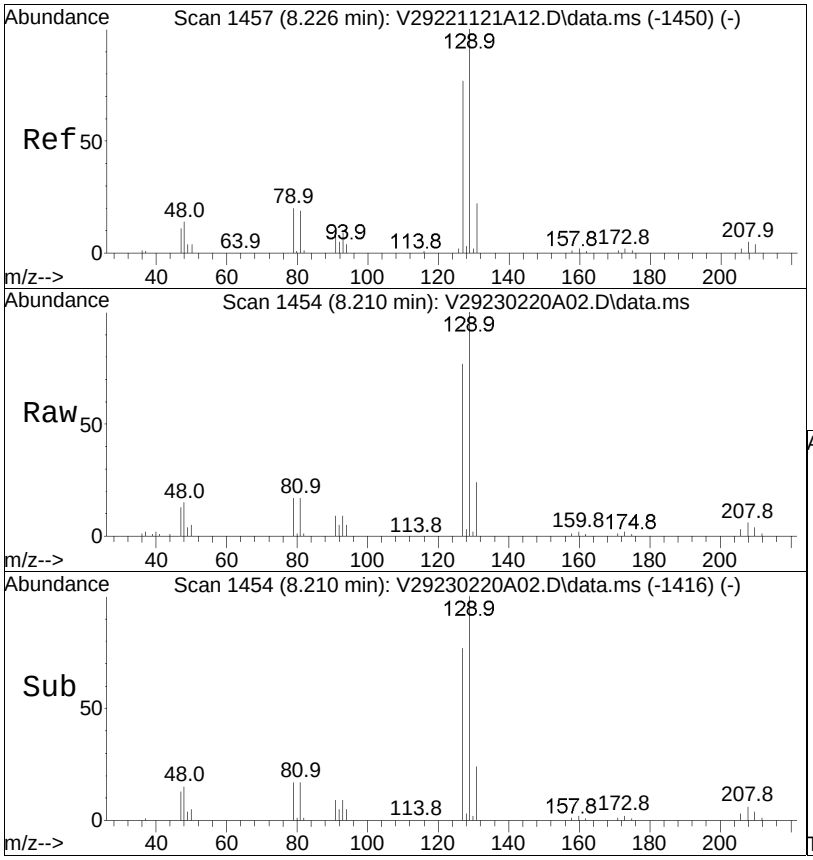


#68
1,1,2-Trichloroethane
Concen: 44.21 ug/L
RT: 8.079 min Scan# 1429
Delta R.T. -0.001 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 83 Resp: 110825

Ion	Ratio	Lower	Upper
83	100		
97	117.7	89.8	129.8
85	63.5	44.4	84.4

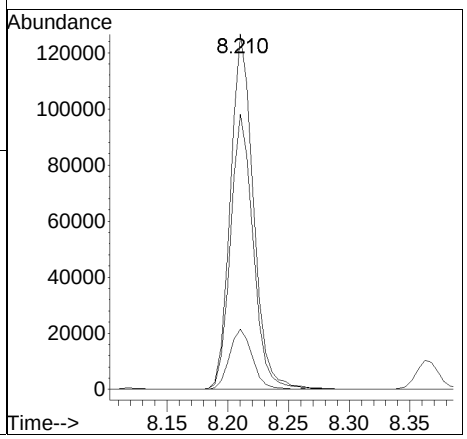


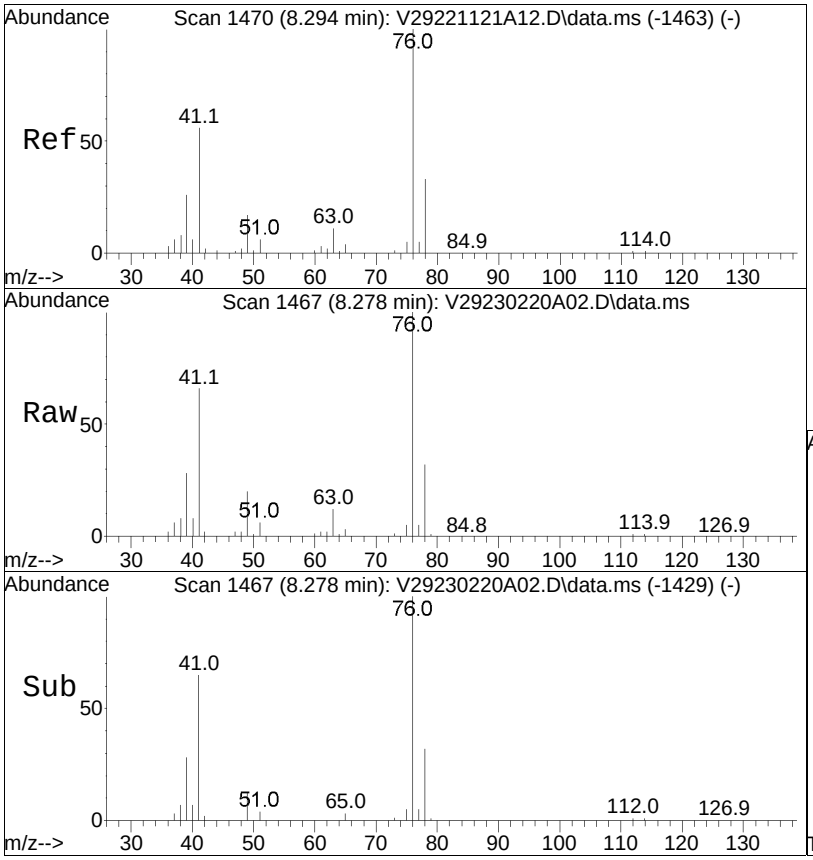


#69
Chlorodibromomethane
Concen: 41.71 ug/L
RT: 8.210 min Scan# 1454
Delta R.T. -0.001 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:129 Resp: 167206

Ion	Ratio	Lower	Upper
129	100		
81	17.0	2.9	42.9
127	76.6	57.8	97.8

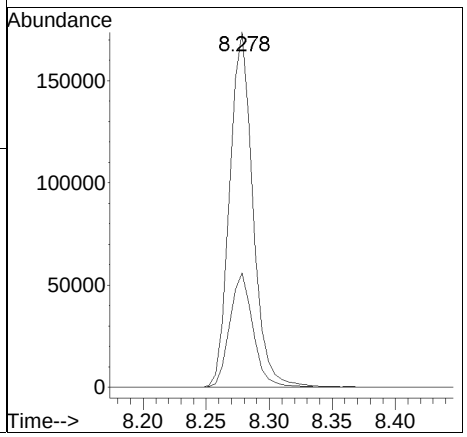


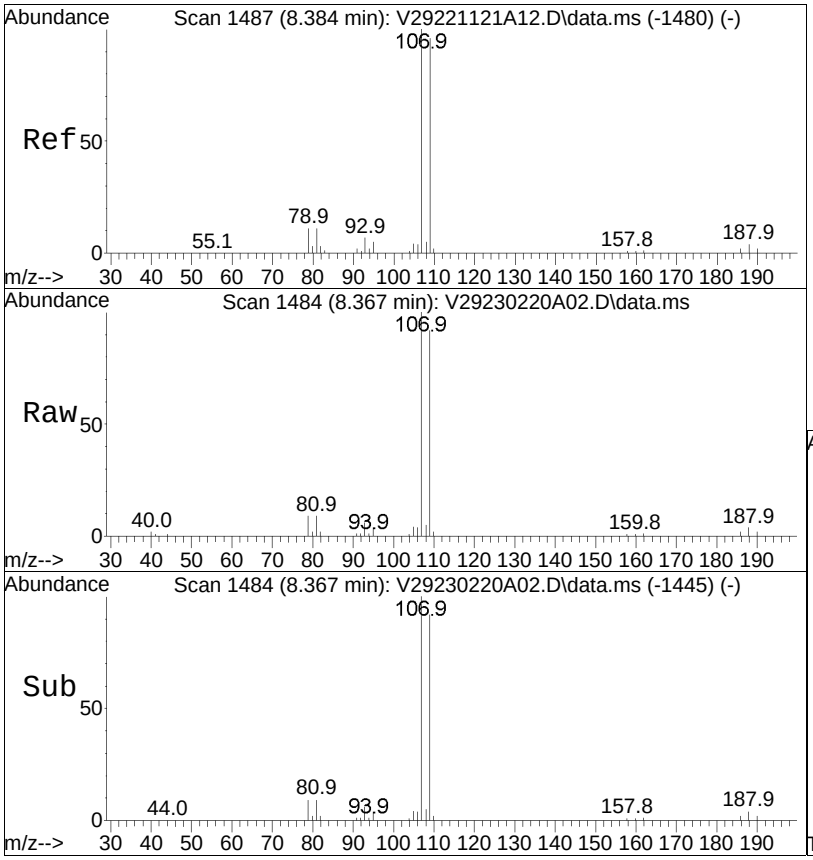


#70
1,3-Dichloropropane
Concen: 44.78 ug/L
RT: 8.278 min Scan# 1467
Delta R.T. -0.001 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 76 Resp: 224490

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

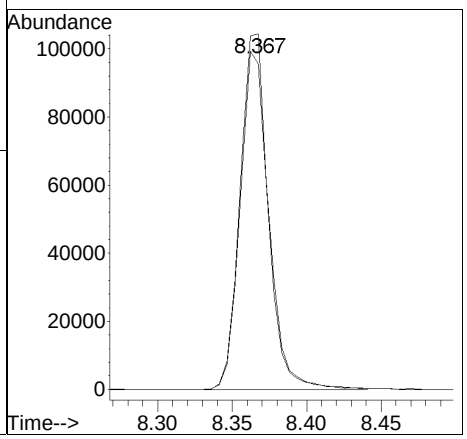


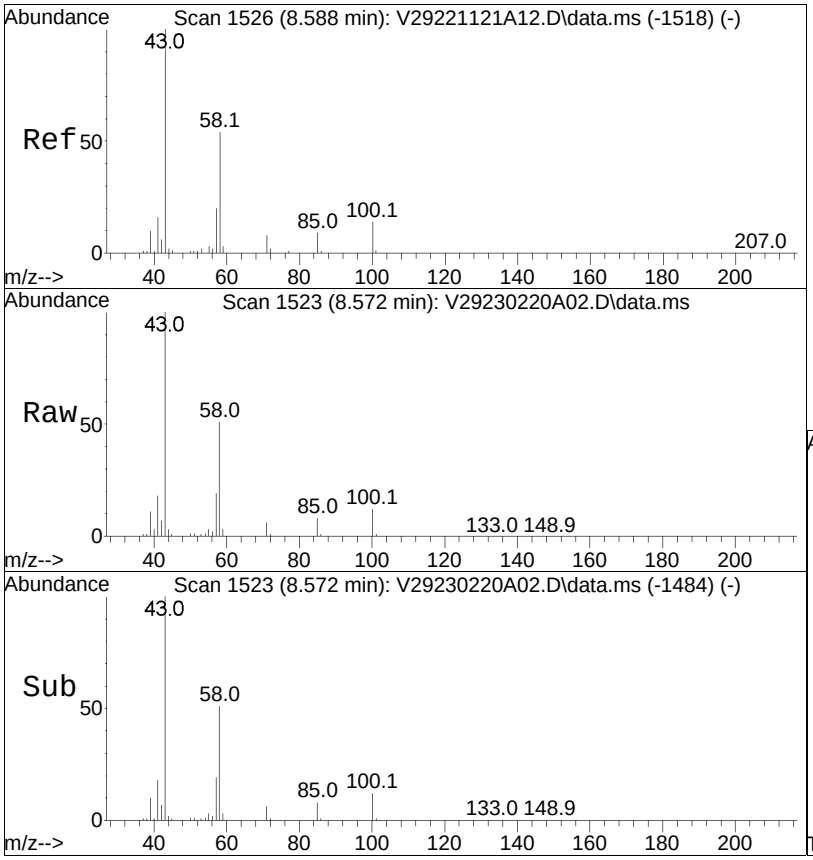


#71
1,2-Dibromoethane
Concen: 42.79 ug/L
RT: 8.367 min Scan# 1484
Delta R.T. 0.005 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:107 Resp: 139991

Ion	Ratio	Lower	Upper
107	100		
109	93.9	74.3	111.5

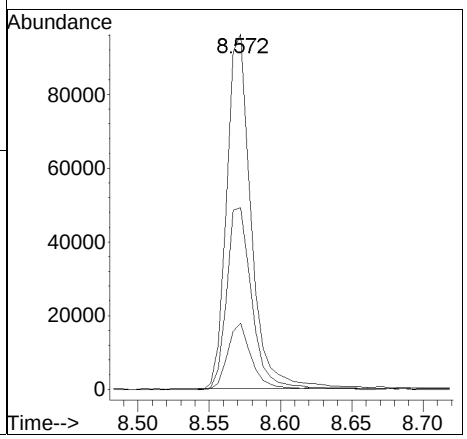


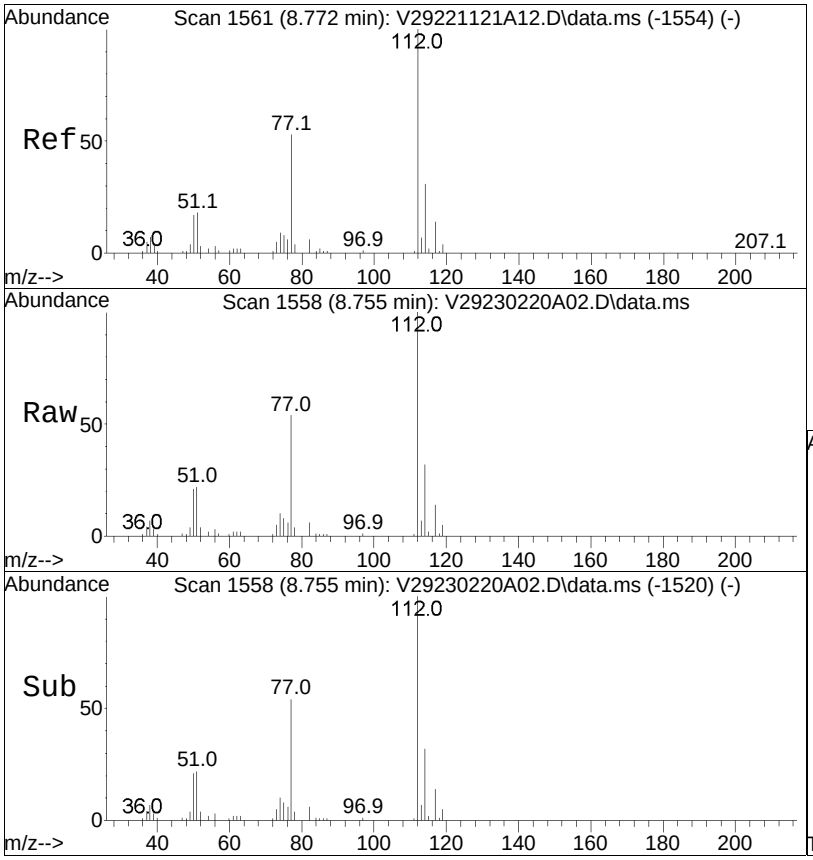


#72
2-Hexanone
Concen: 47.54 ug/L
RT: 8.572 min Scan# 1523
Delta R.T. 0.005 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 43 Resp: 115234

Ion	Ratio	Lower	Upper
43	100		
58	53.4	41.2	61.8
57	18.4	17.2	25.8

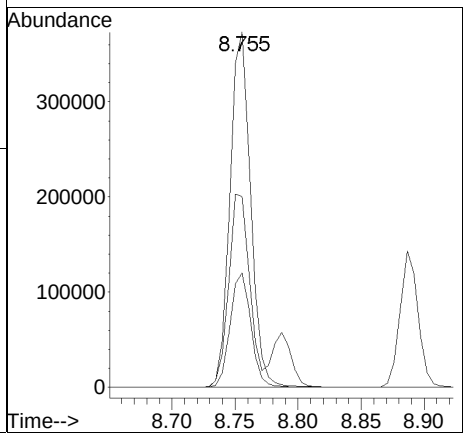


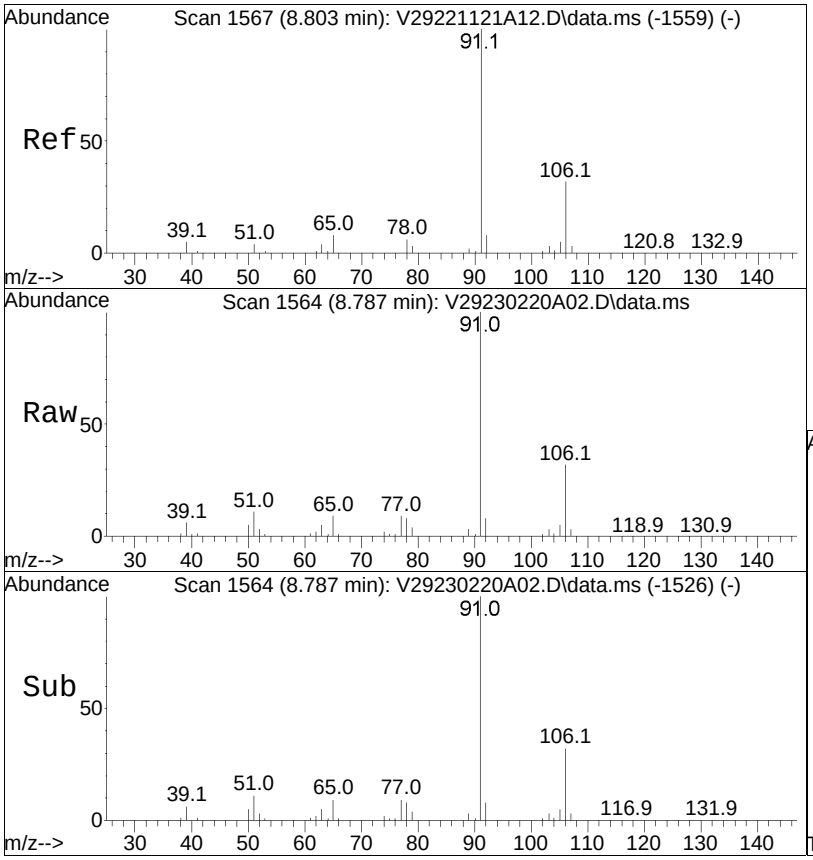


#73
Chlorobenzene
Concen: 42.37 ug/L
RT: 8.755 min Scan# 1558
Delta R.T. -0.001 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:112 Resp: 425931

Ion	Ratio	Lower	Upper
112	100		
77	55.2	55.4	83.0#
114	32.4	25.4	38.2

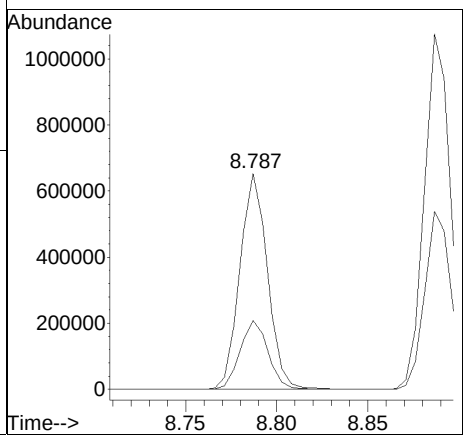


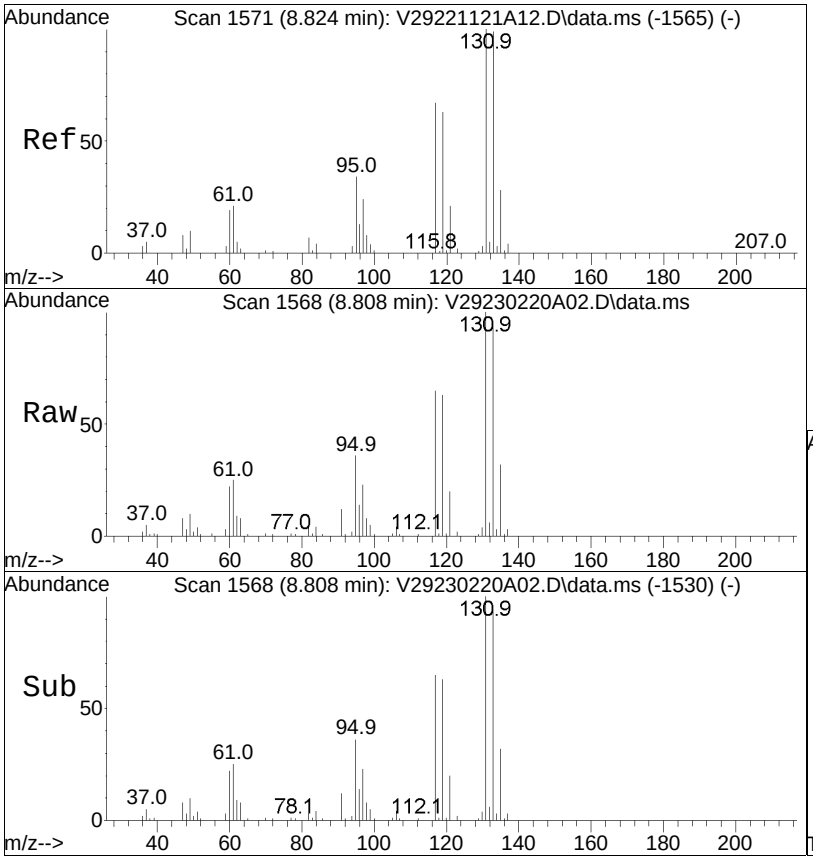


#74
Ethylbenzene
Concen: 42.43 ug/L
RT: 8.787 min Scan# 1564
Delta R.T. -0.000 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 91 Resp: 689385

Ion	Ratio	Lower	Upper
91	100		
106	32.4	24.3	36.5

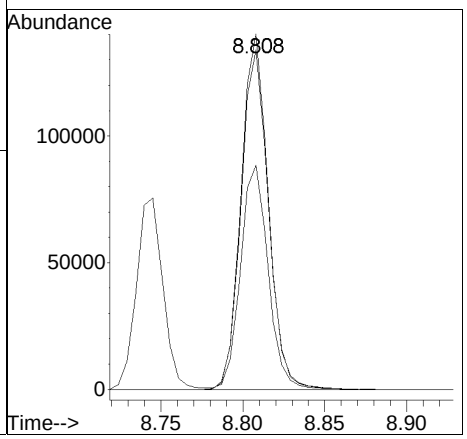


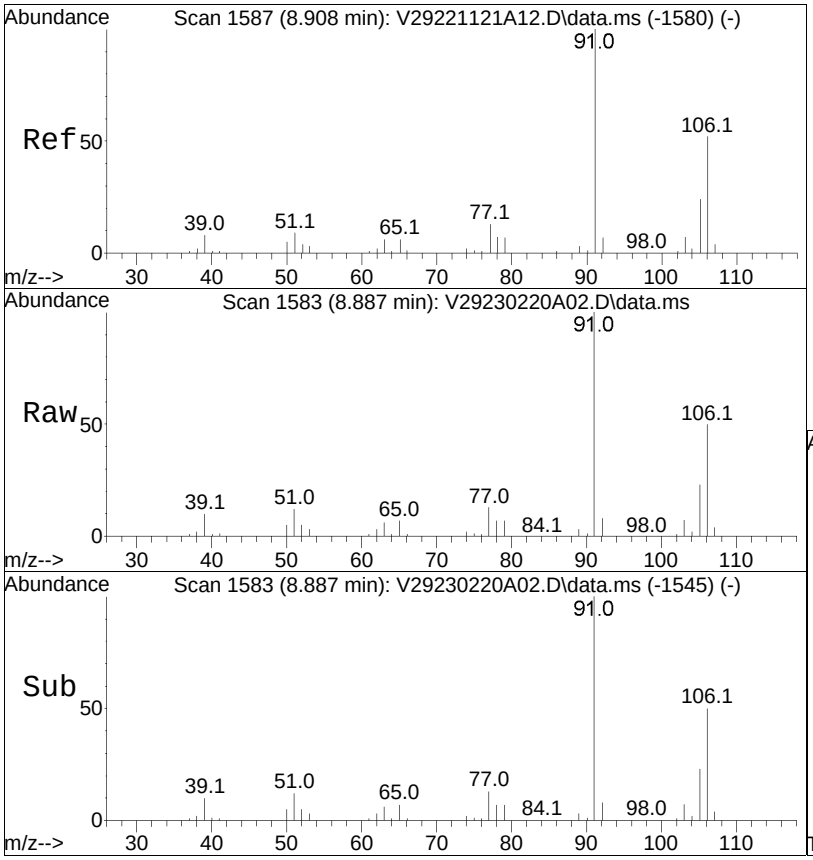


#75
1,1,1,2-Tetrachloroethane
Concen: 42.99 ug/L
RT: 8.808 min Scan# 1568
Delta R.T. -0.000 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:131 Resp: 162012

Ion	Ratio	Lower	Upper
131	100		
133	96.4	81.0	121.0
119	64.1	41.3	81.3

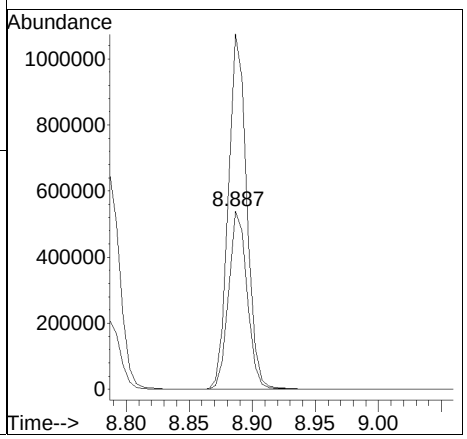


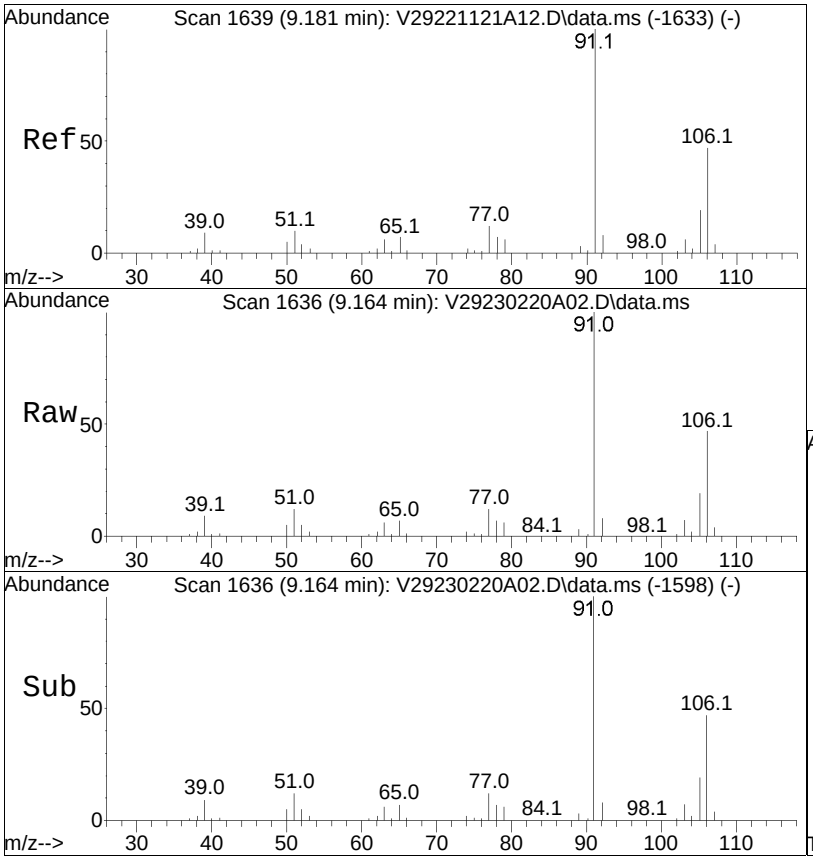


#76
p/m Xylene
Concen: 83.88 ug/L
RT: 8.887 min Scan# 1583
Delta R.T. -0.000 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:106 Resp: 552767

Ion	Ratio	Lower	Upper
106	100		
91	197.8	166.4	249.6

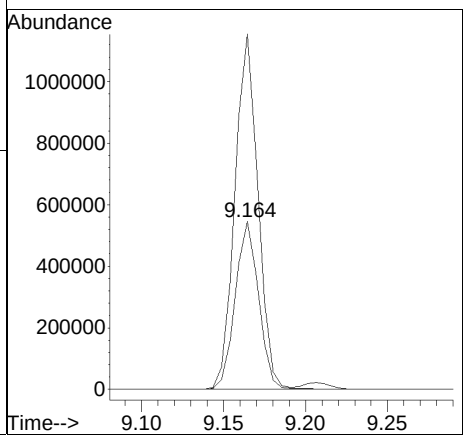


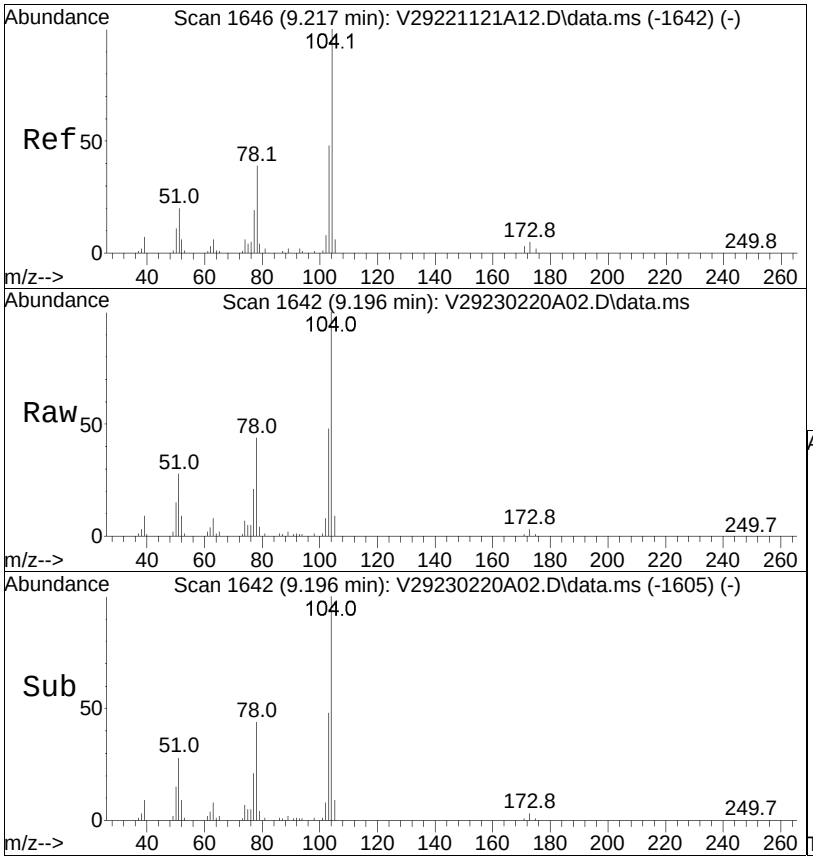


#77
o Xylene
Concen: 87.14 ug/L
RT: 9.164 min Scan# 1636
Delta R.T. -0.001 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:106 Resp: 542576

Ion	Ratio	Lower	Upper
106	100		
91	208.3	182.6	273.8

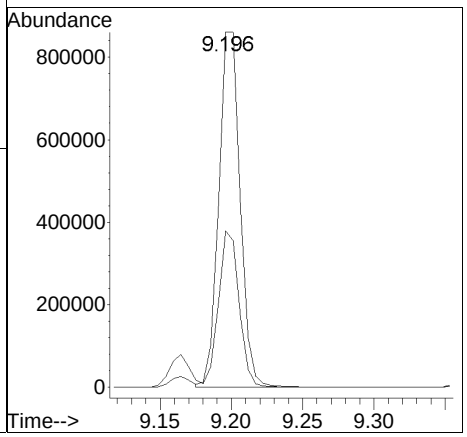


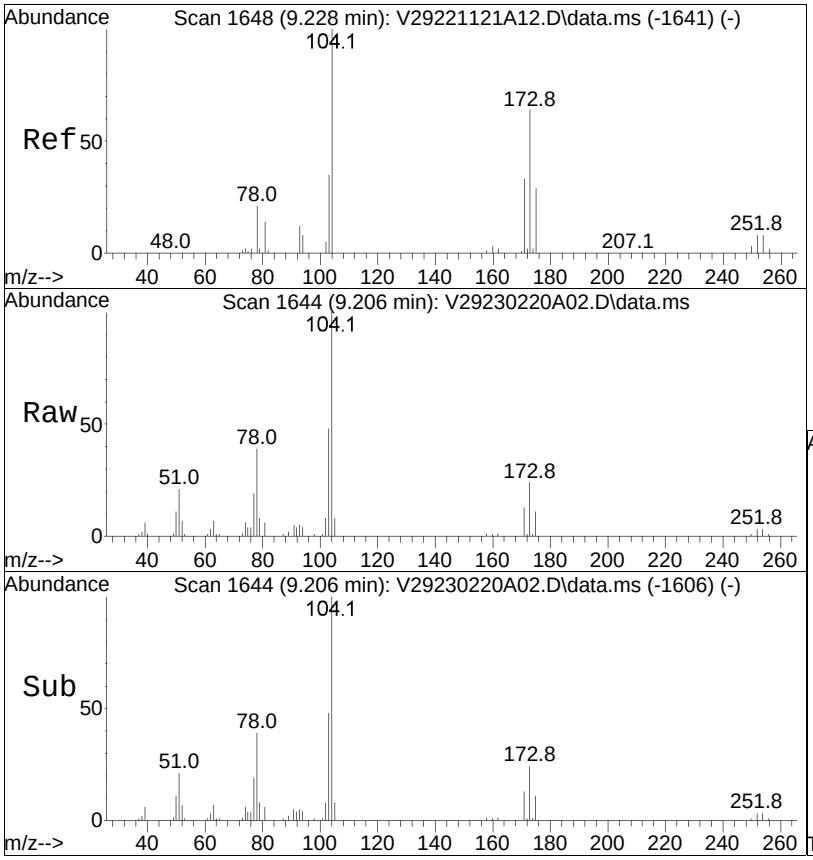


#78
Styrene
Concen: 88.80 ug/L
RT: 9.196 min Scan# 1642
Delta R.T. -0.006 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:104 Resp: 901899

Ion	Ratio	Lower	Upper
104	100		
78	42.2	39.8	59.6

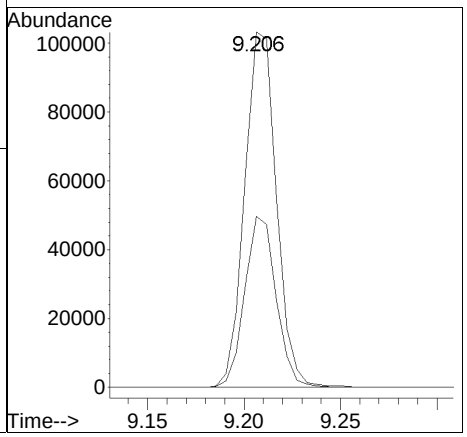


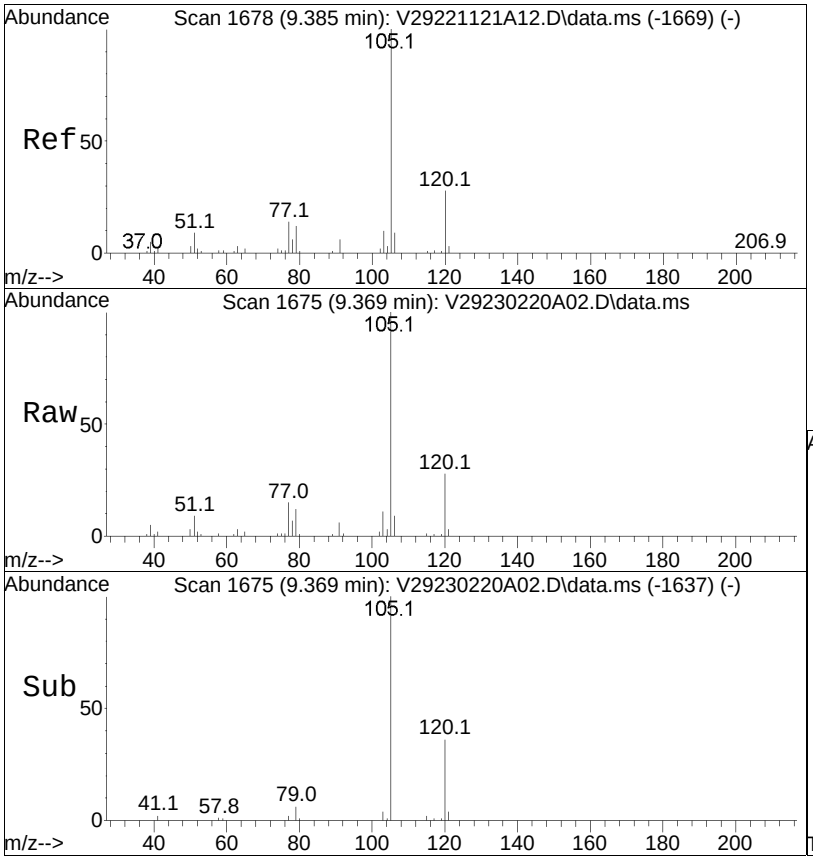


#80
Bromoform
Concen: 41.23 ug/L
RT: 9.206 min Scan# 1644
Delta R.T. -0.001 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:173 Resp: 118552

Ion	Ratio	Lower	Upper
173	100		
175	47.5	31.5	71.5

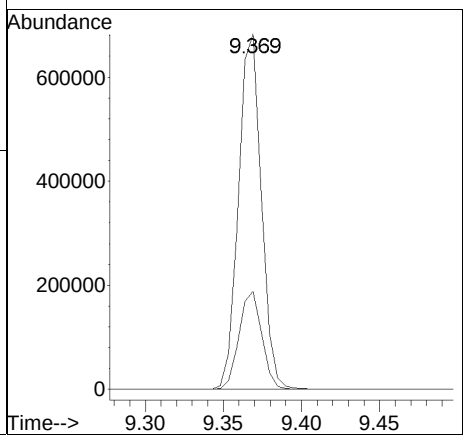


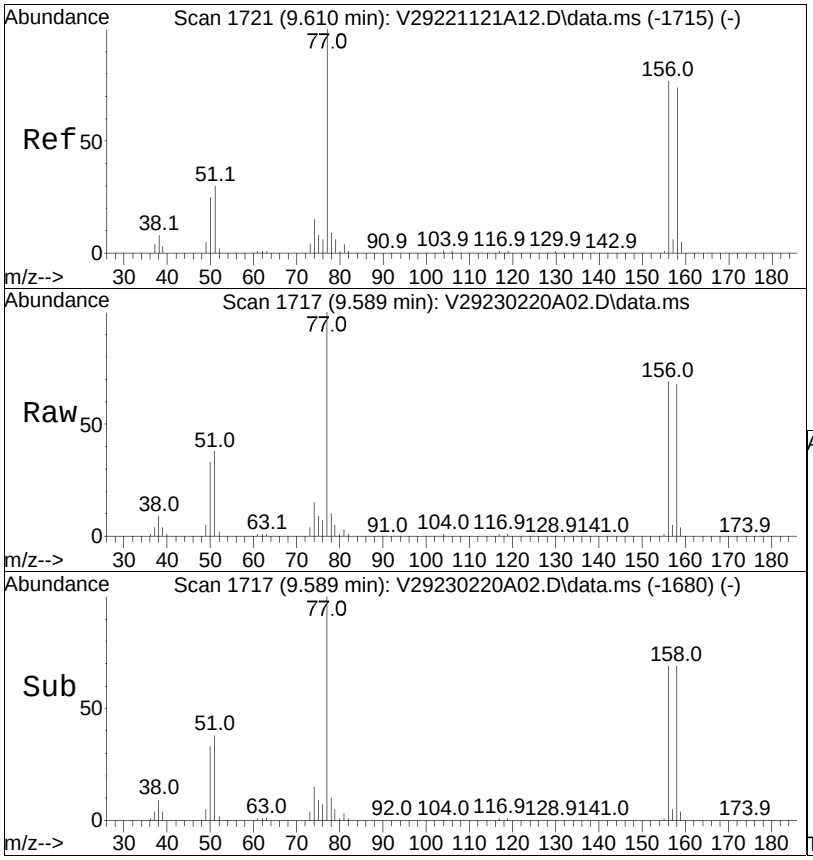


#82
Isopropylbenzene
Concen: 42.03 ug/L
RT: 9.369 min Scan# 1675
Delta R.T. -0.000 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:105 Resp: 696180

Ion	Ratio	Lower	Upper
105	100		
120	27.5	4.8	44.8

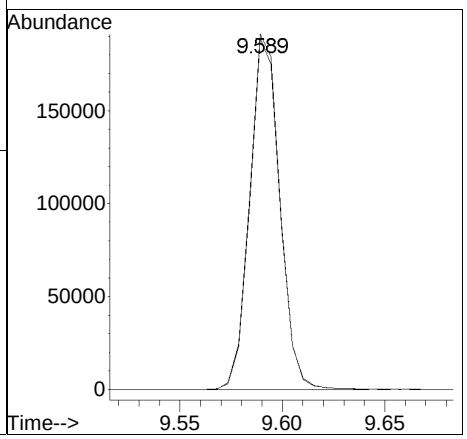


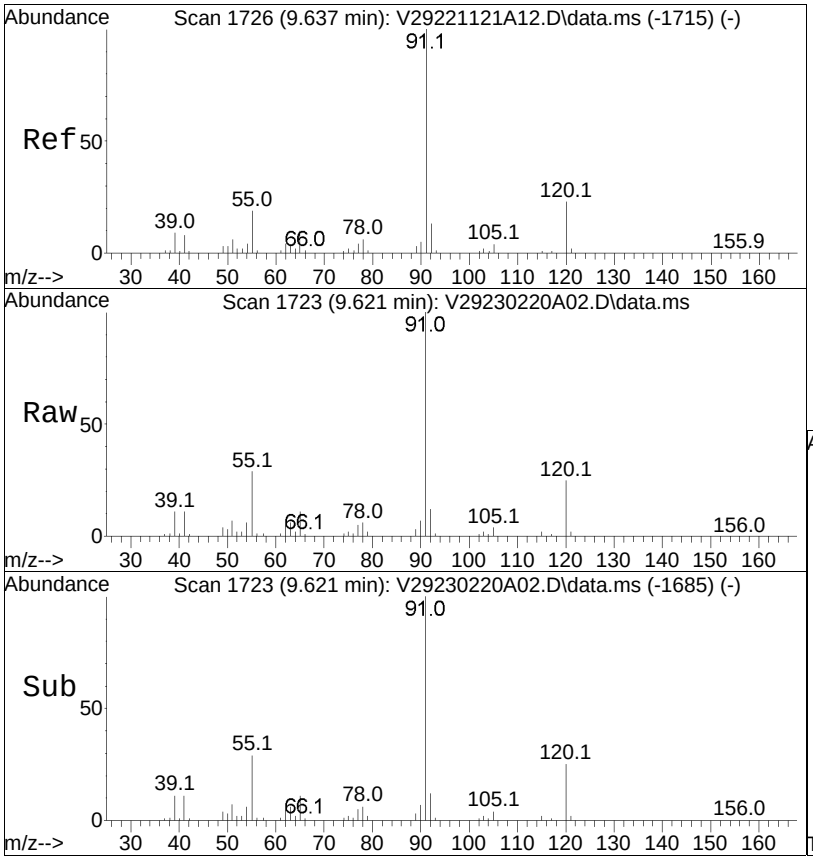


#84
Bromobenzene
Concen: 41.52 ug/L
RT: 9.589 min Scan# 1717
Delta R.T. -0.006 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:156 Resp: 195689

Ion	Ratio	Lower	Upper
156	100		
158	97.9	75.9	113.9

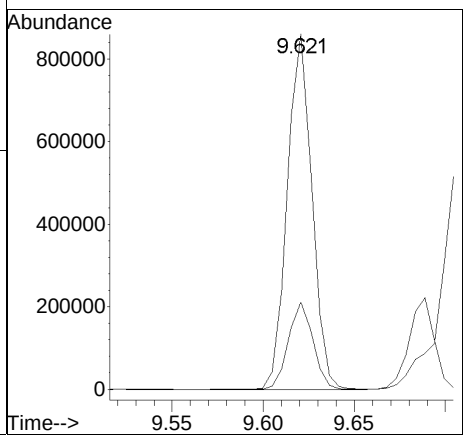


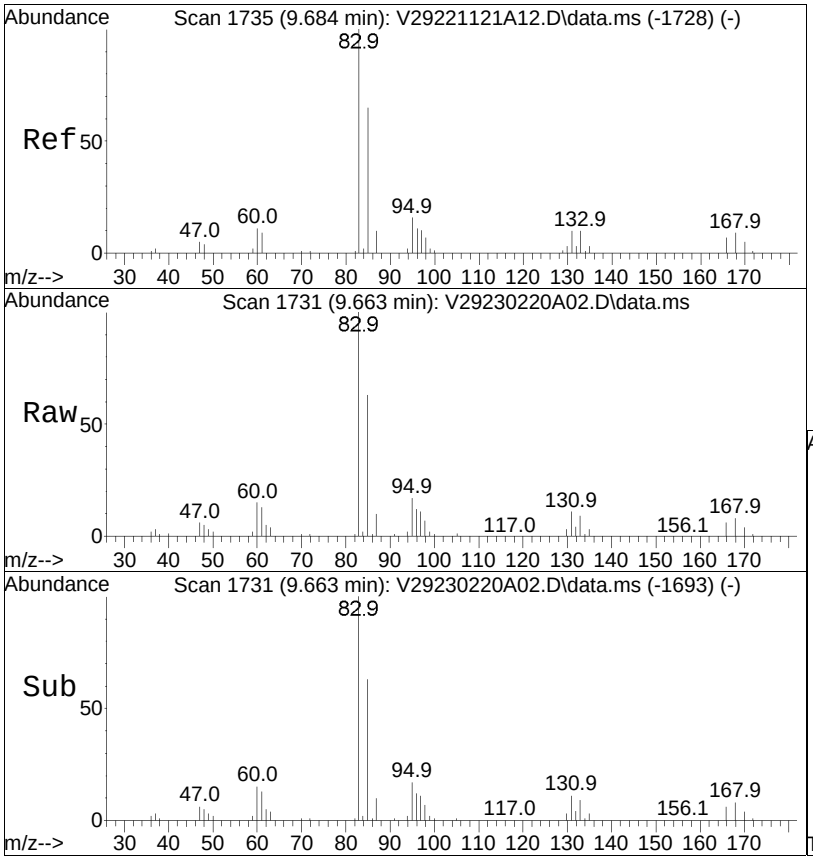


#85
n-Propylbenzene
Concen: 42.10 ug/L
RT: 9.621 min Scan# 1723
Delta R.T. -0.000 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 91 Resp: 812704

Ion	Ratio	Lower	Upper
91	100		
120	24.4	17.0	25.6

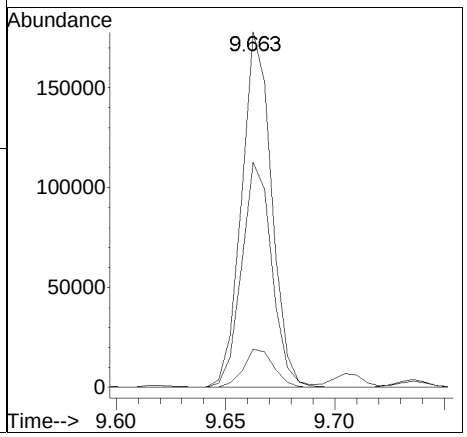


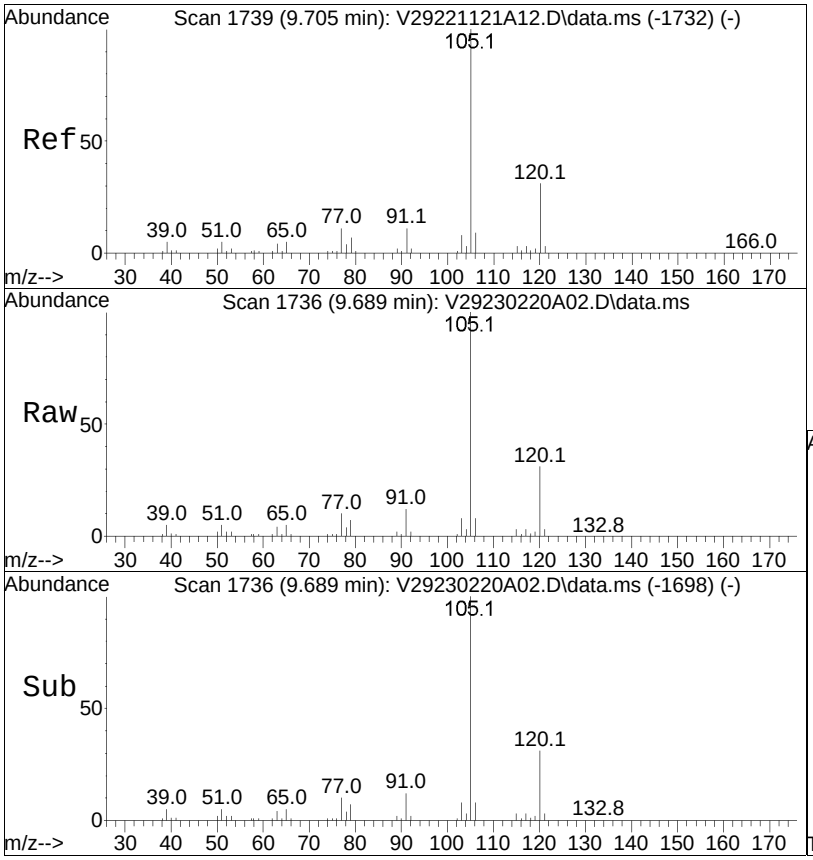


#87
1,1,2,2-Tetrachloroethane
Concen: 41.68 ug/L
RT: 9.663 min Scan# 1731
Delta R.T. -0.000 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 83 Resp: 169962

Ion	Ratio	Lower	Upper
83	100		
131	10.9	0.0	30.4
85	63.5	45.4	85.4

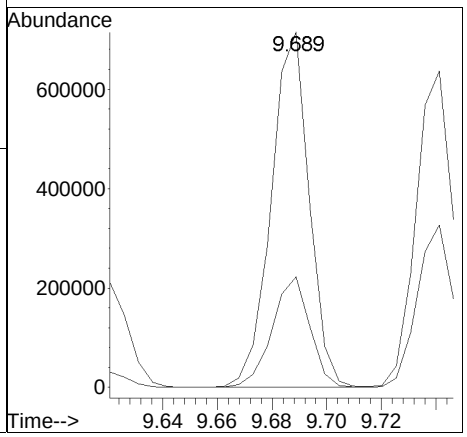


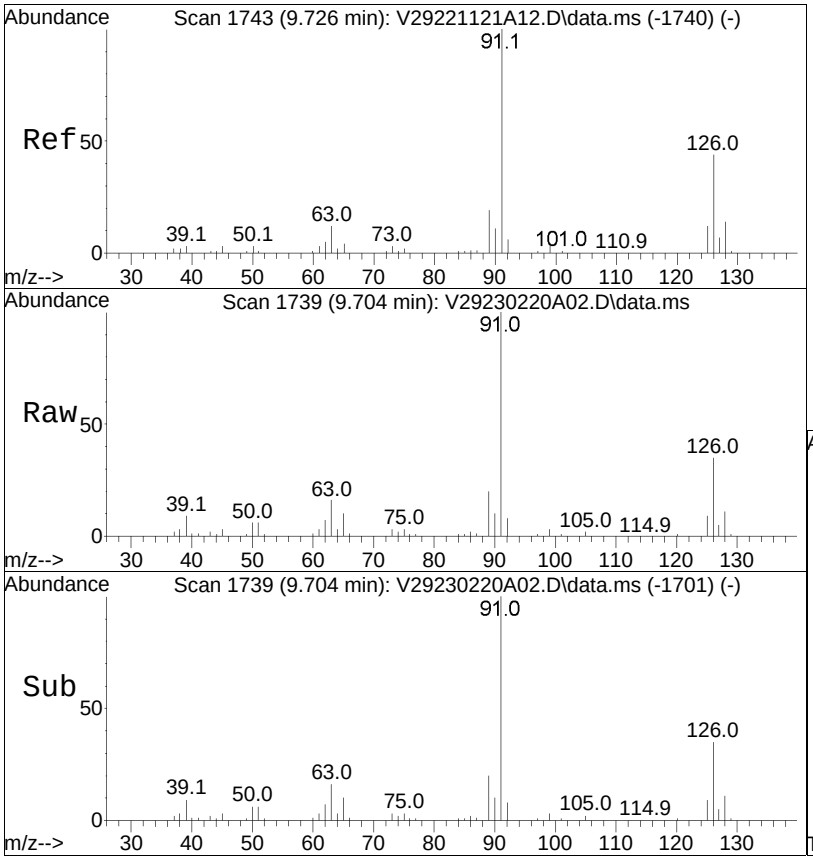


#88
4-Ethyltoluene
Concen: 42.28 ug/L
RT: 9.689 min Scan# 1736
Delta R.T. -0.000 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:105 Resp: 690903

Ion	Ratio	Lower	Upper
105	100		
120	30.9	18.1	37.7

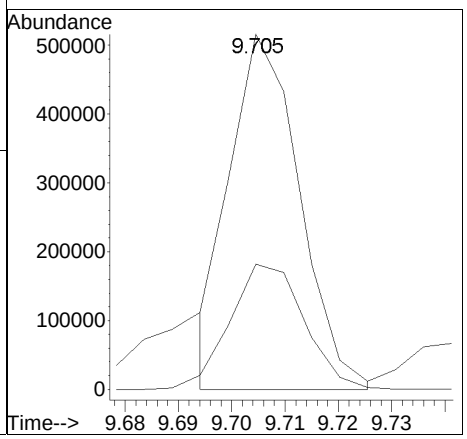


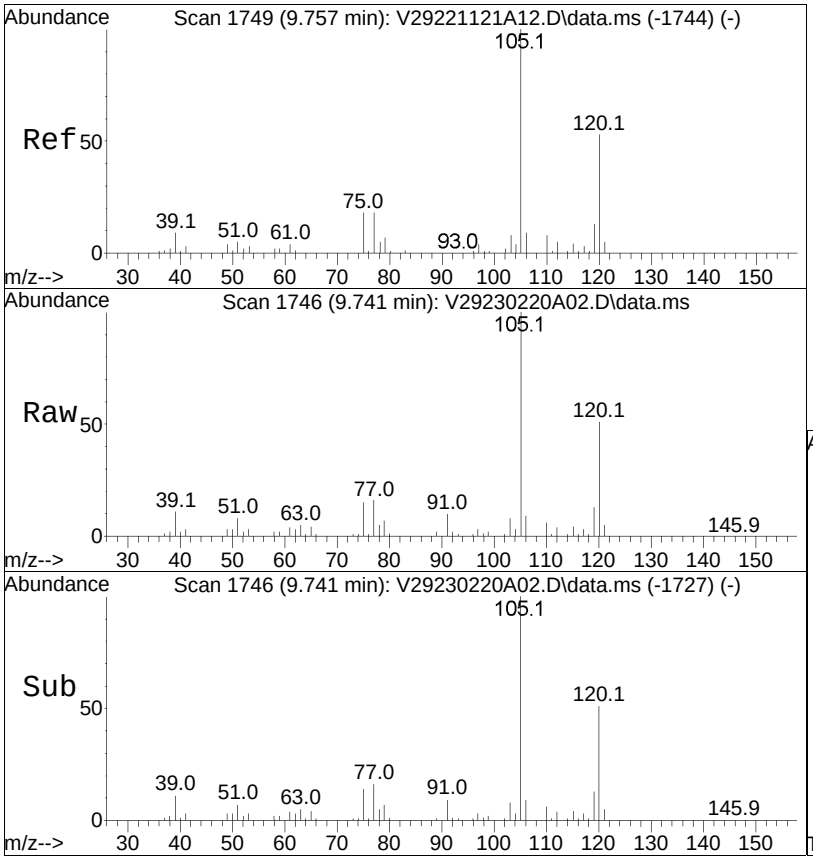


#89
2-Chlorotoluene
Concen: 41.25 ug/L M1
RT: 9.704 min Scan# 1739
Delta R.T. -0.001 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 91 Resp: 467470

Ion	Ratio	Lower	Upper
91	100		
126	37.9	21.5	32.3#

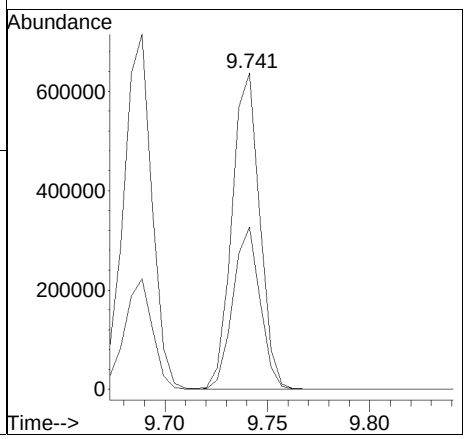


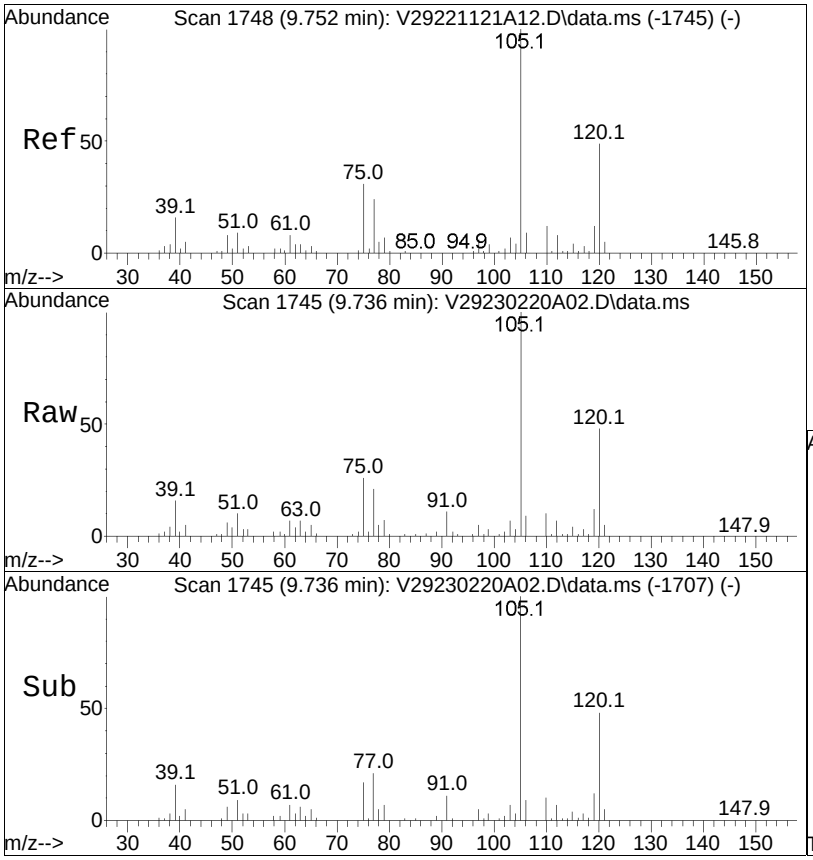


#90
1,3,5-Trimethylbenzene
Concen: 42.10 ug/L
RT: 9.741 min Scan# 1746
Delta R.T. -0.001 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:105 Resp: 601830

Ion	Ratio	Lower	Upper
105	100		
120	50.3	34.8	52.2

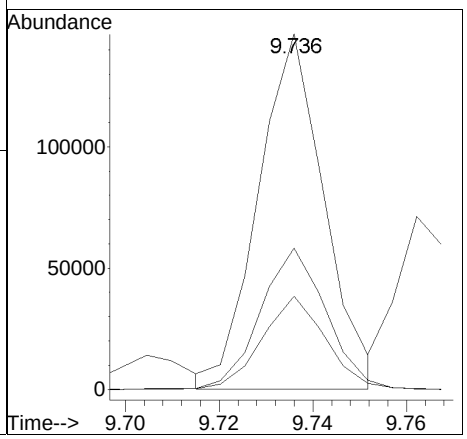


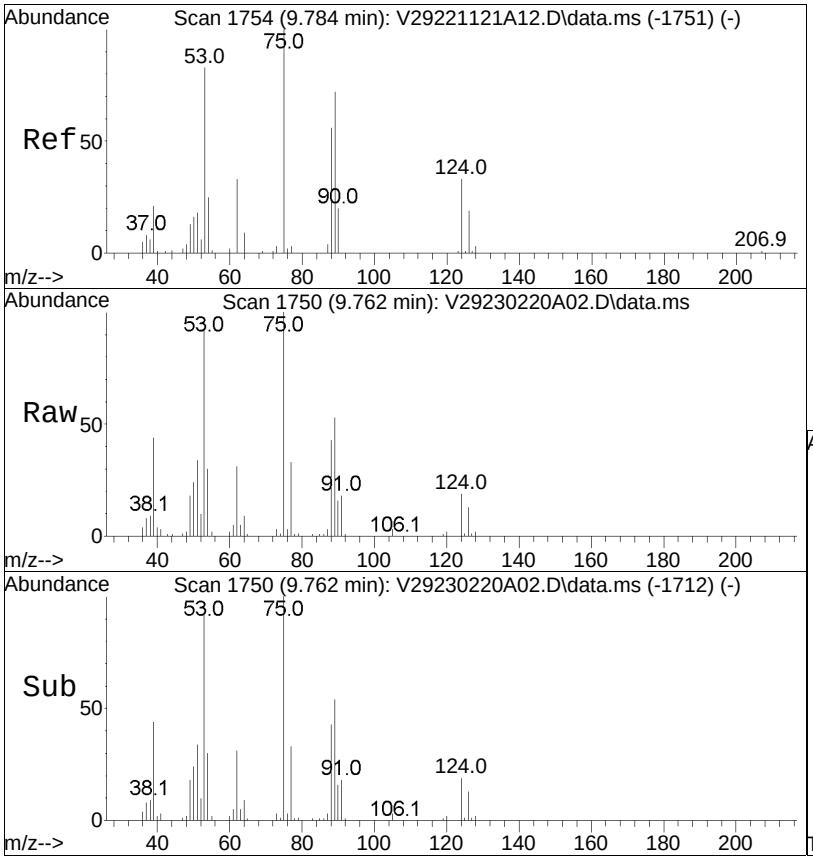


#91
1,2,3-Trichloropropane
Concen: 45.49 ug/L
RT: 9.736 min Scan# 1745
Delta R.T. -0.000 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 75 Resp: 142915

Ion	Ratio	Lower	Upper
75	100		
110	39.9	25.4	52.8
112	25.5	15.6	32.4

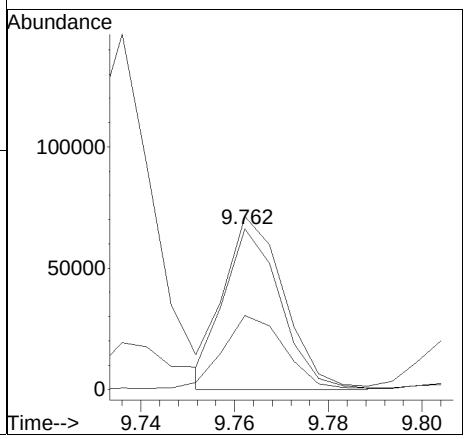


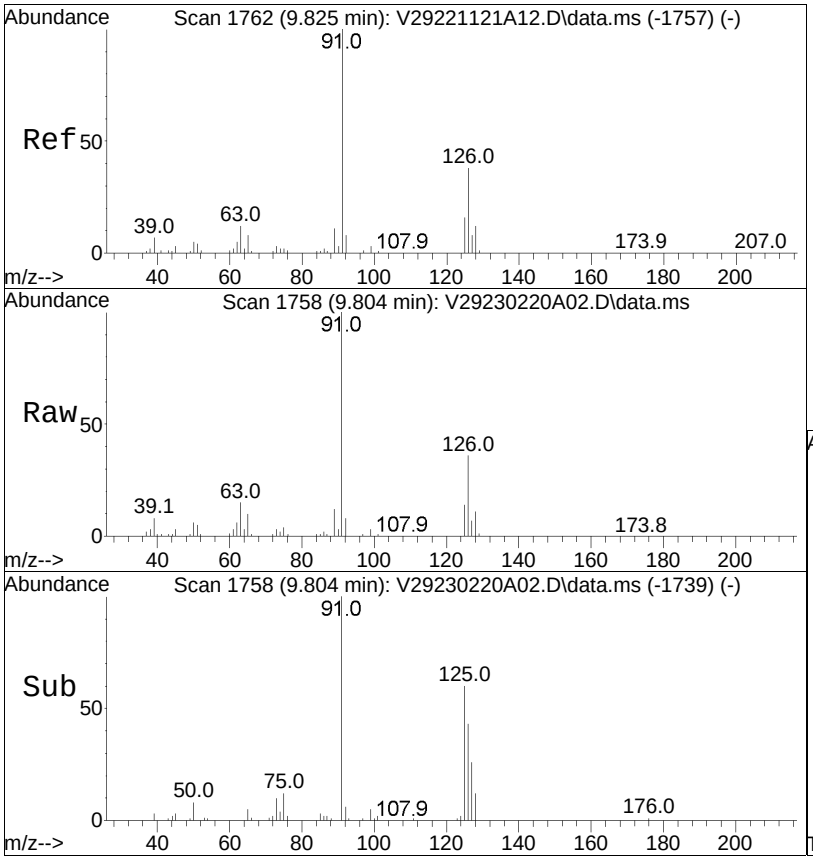


#92
trans-1,4-Dichloro-2-butene
Concen: 47.86 ug/L
RT: 9.762 min Scan# 1750
Delta R.T. -0.001 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 53 Resp: 55824

Ion	Ratio	Lower	Upper
53	100		
88	51.8	39.6	59.4
75	111.9	70.2	105.4#

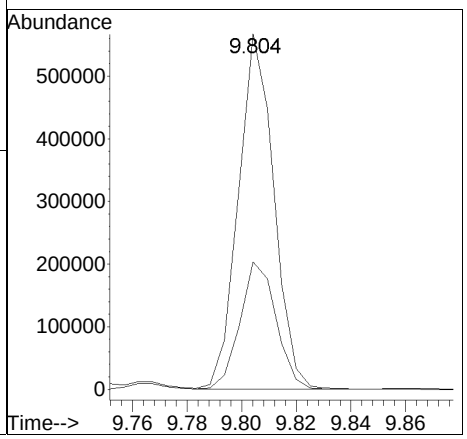


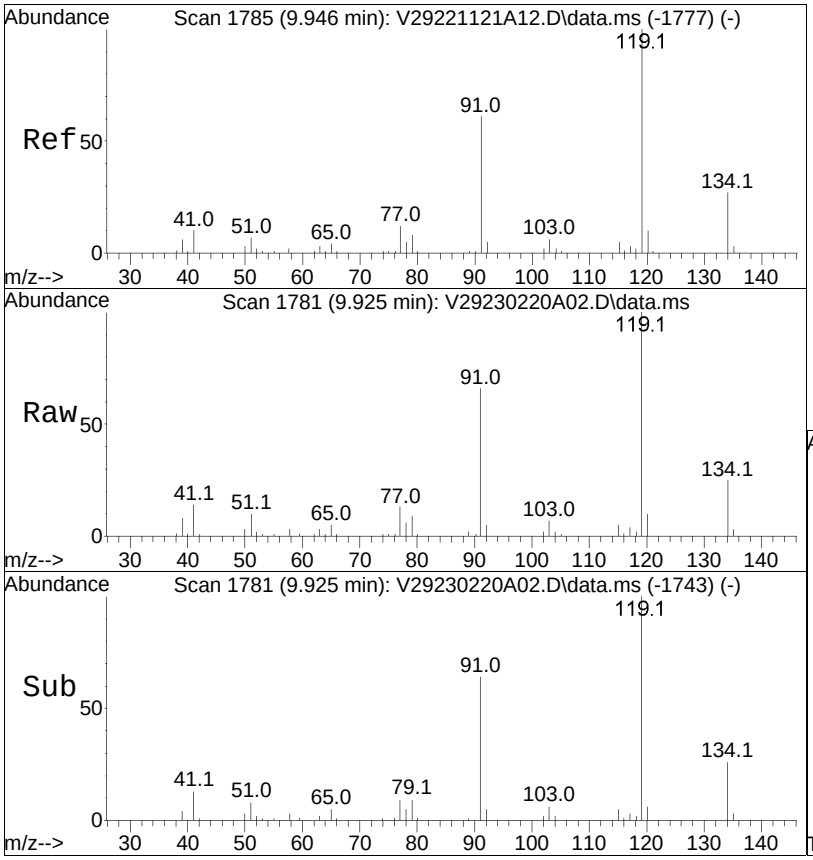


#93
4-Chlorotoluene
Concen: 42.68 ug/L
RT: 9.804 min Scan# 1758
Delta R.T. -0.001 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 91 Resp: 510361

Ion	Ratio	Lower	Upper
91	100		
126	36.9	24.6	36.8#

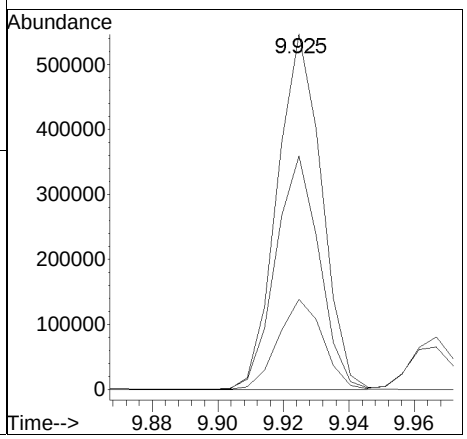


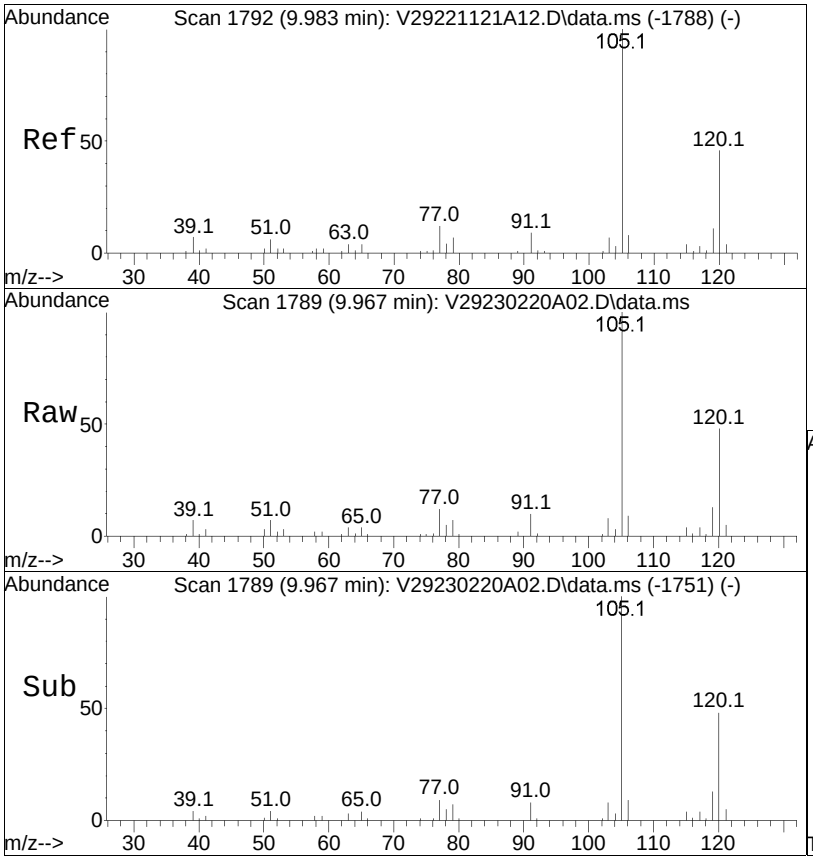


#94
tert-Butylbenzene
Concen: 40.68 ug/L
RT: 9.925 min Scan# 1781
Delta R.T. -0.000 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:119 Resp: 515920

Ion	Ratio	Lower	Upper
119	100		
91	64.6	51.4	77.2
134	25.4	18.3	27.5

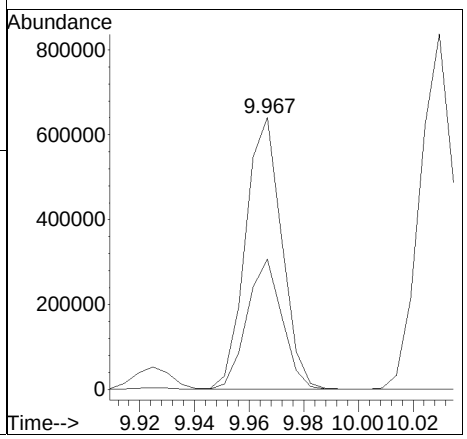


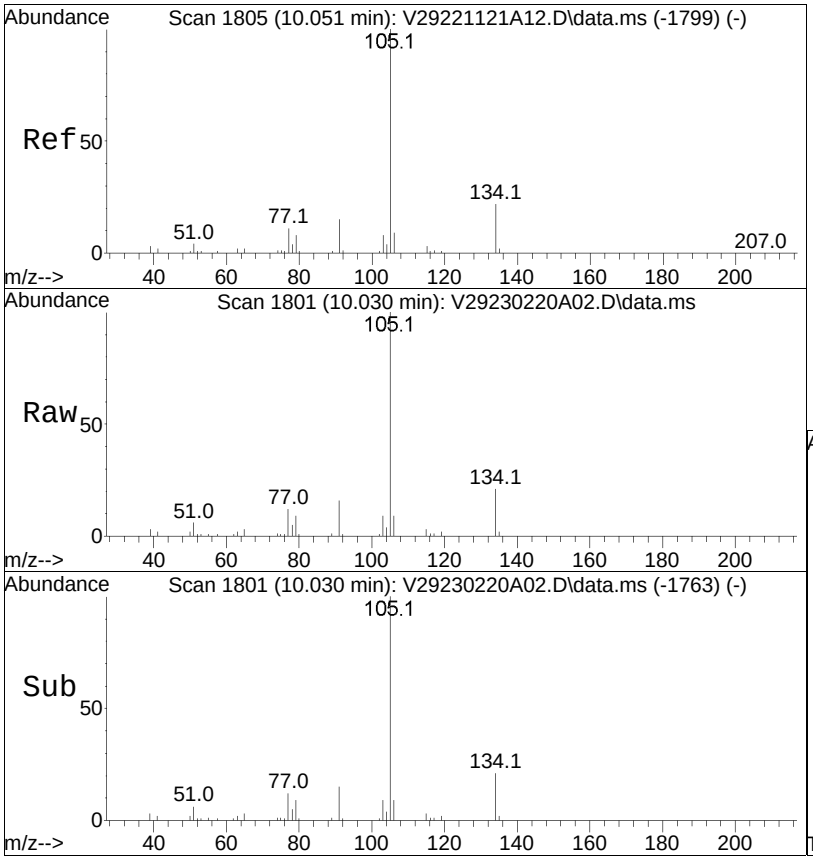


#97
1,2,4-Trimethylbenzene
Concen: 42.10 ug/L
RT: 9.967 min Scan# 1789
Delta R.T. -0.000 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:105 Resp: 591102

Ion	Ratio	Lower	Upper
105	100		
120	46.5	33.4	50.0

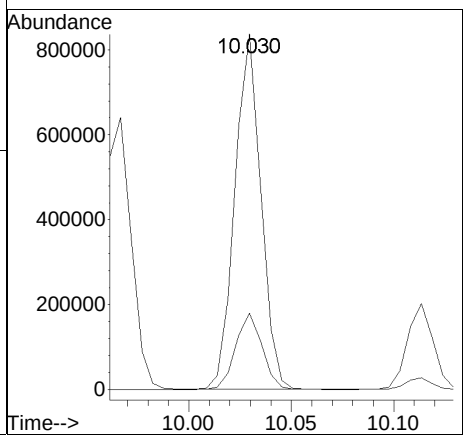


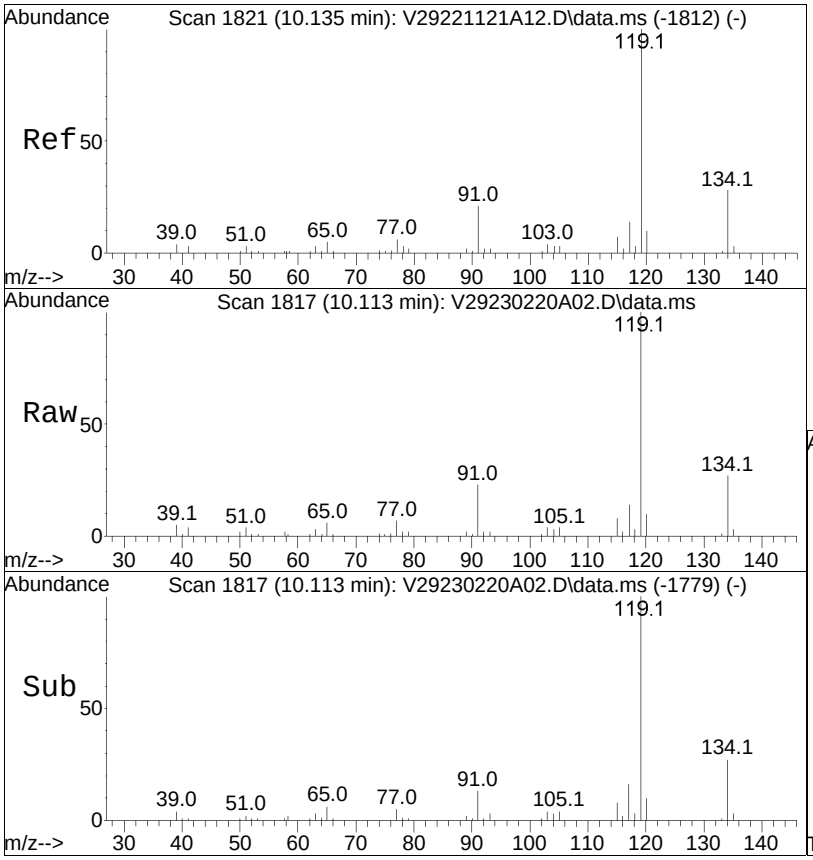


#98
sec-Butylbenzene
Concen: 40.84 ug/L
RT: 10.030 min Scan# 1801
Delta R.T. -0.000 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:105 Resp: 744413

Ion	Ratio	Lower	Upper
105	100		
134	21.6	12.5	26.1

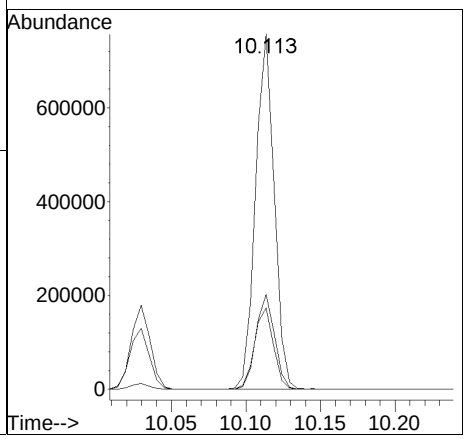


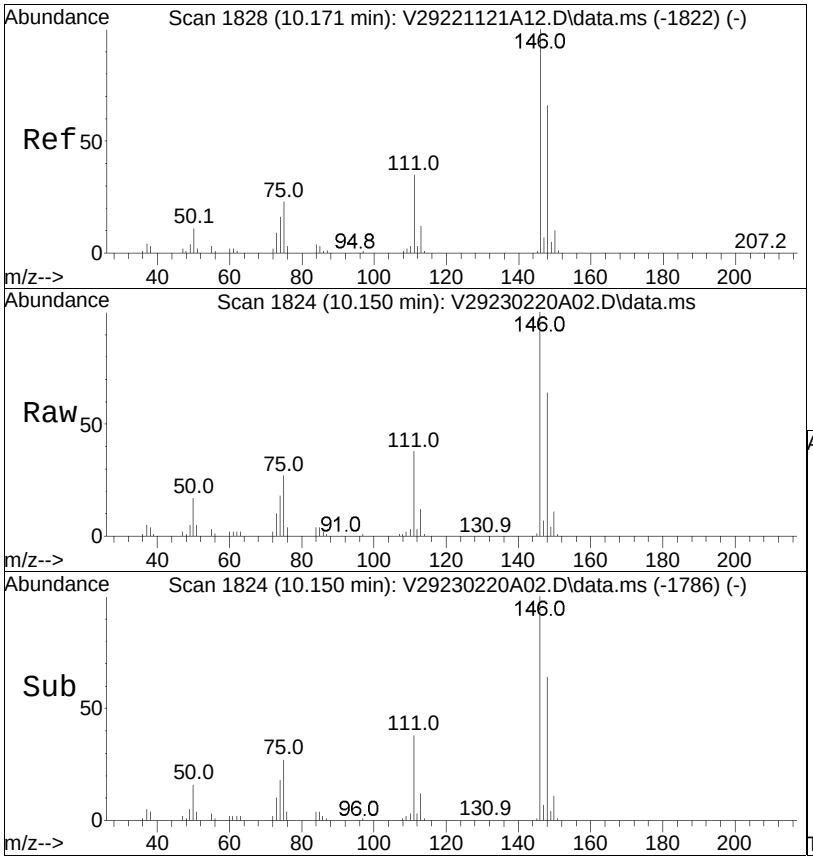


#99
p-Isopropyltoluene
Concen: 41.39 ug/L
RT: 10.113 min Scan# 1817
Delta R.T. -0.001 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:119 Resp: 663733

Ion	Ratio	Lower	Upper
119	100		
134	26.8	16.1	33.3
91	23.2	17.3	35.9

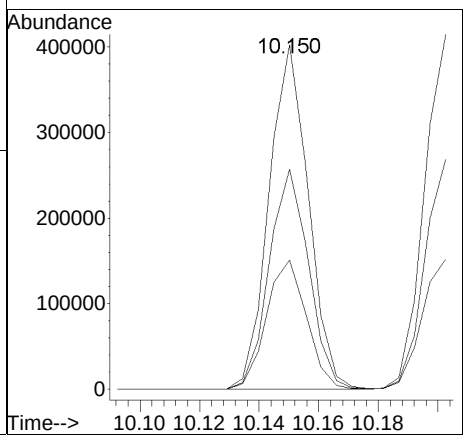


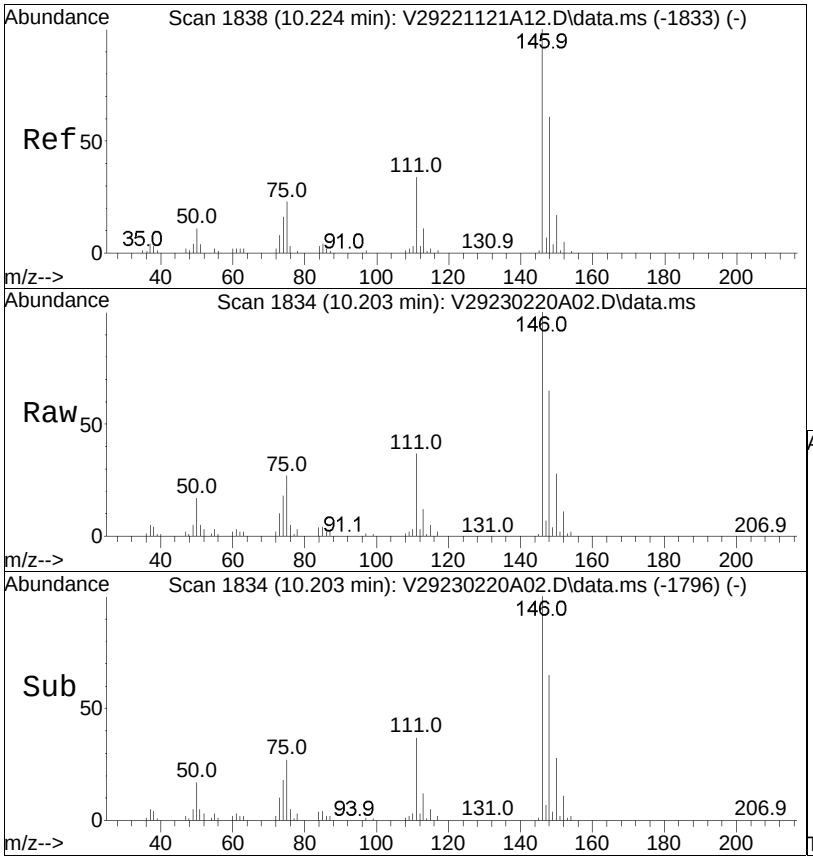


#100
1,3-Dichlorobenzene
Concen: 42.43 ug/L
RT: 10.150 min Scan# 1824
Delta R.T. -0.001 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:146 Resp: 370013

Ion	Ratio	Lower	Upper
146	100		
111	38.4	27.5	57.1
148	64.1	41.9	86.9

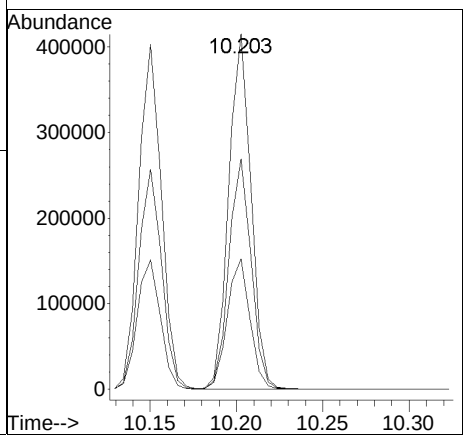


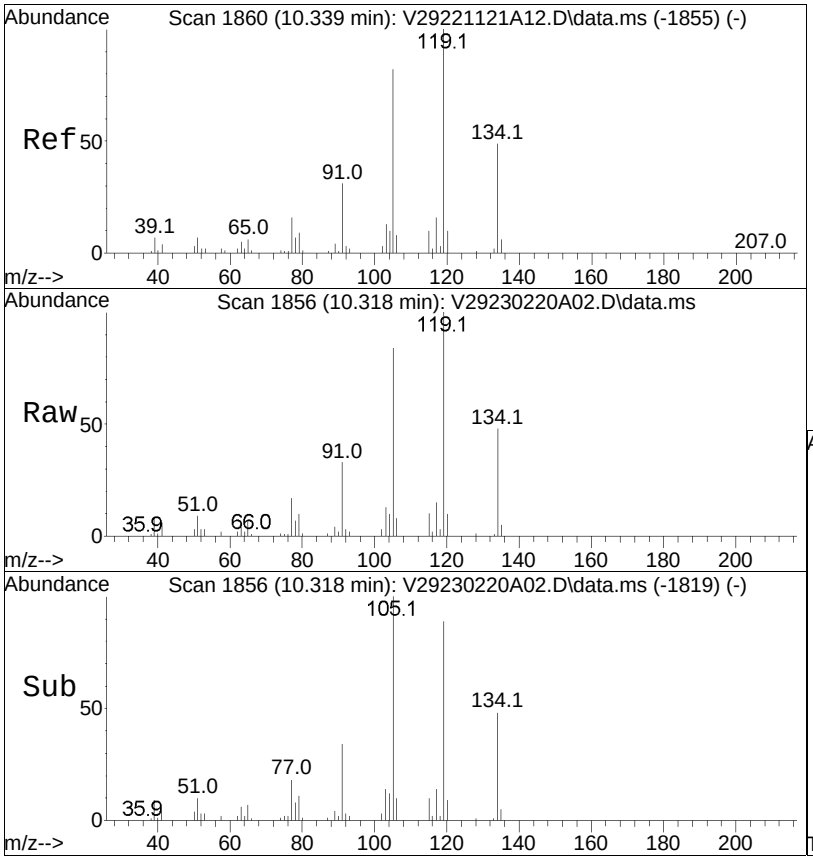


#101
1,4-Dichlorobenzene
Concen: 41.79 ug/L
RT: 10.203 min Scan# 1834
Delta R.T. -0.000 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:146 Resp: 373831

Ion	Ratio	Lower	Upper
146	100		
111	37.7	32.3	48.5
148	64.7	49.9	74.9

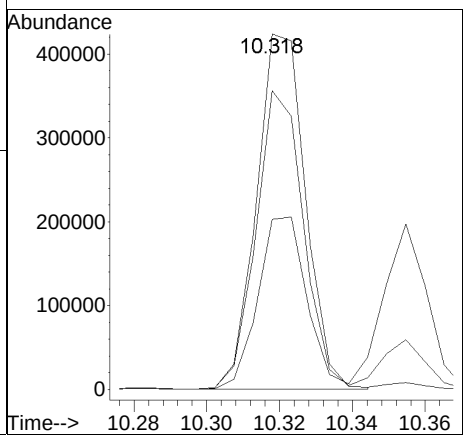


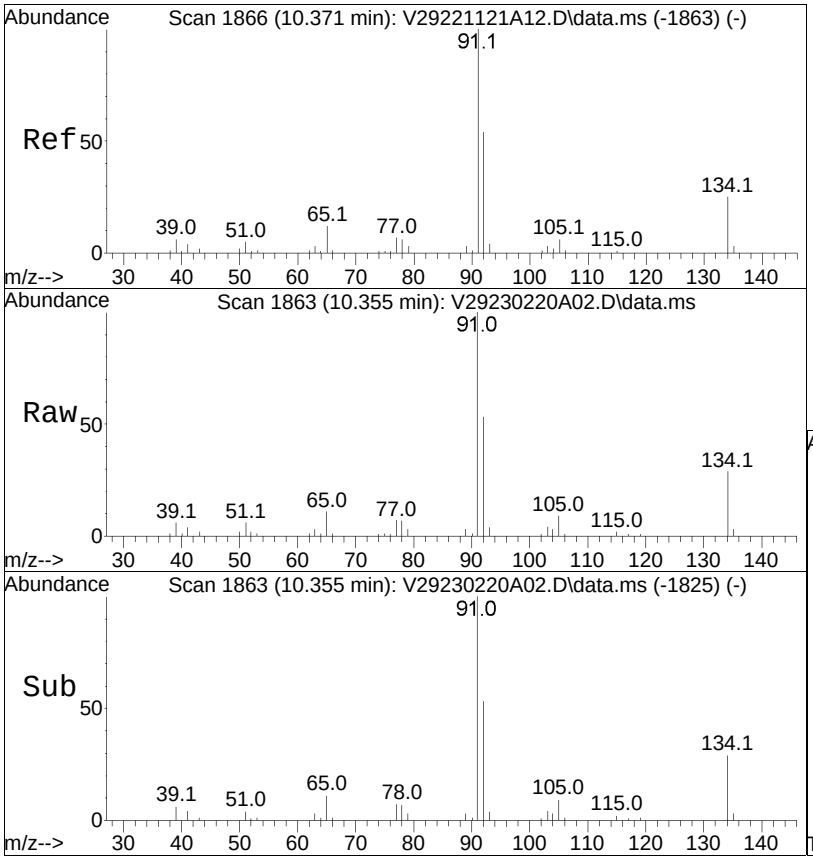


#102
p-Diethylbenzene
Concen: 40.95 ug/L
RT: 10.318 min Scan# 1856
Delta R.T. -0.006 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:119 Resp: 396189

Ion	Ratio	Lower	Upper
119	100		
105	81.3	59.5	123.7
134	48.6	30.2	62.6

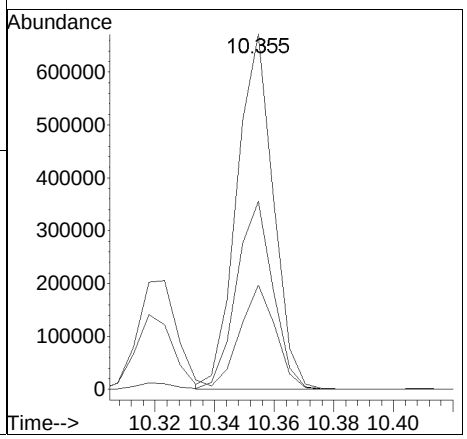


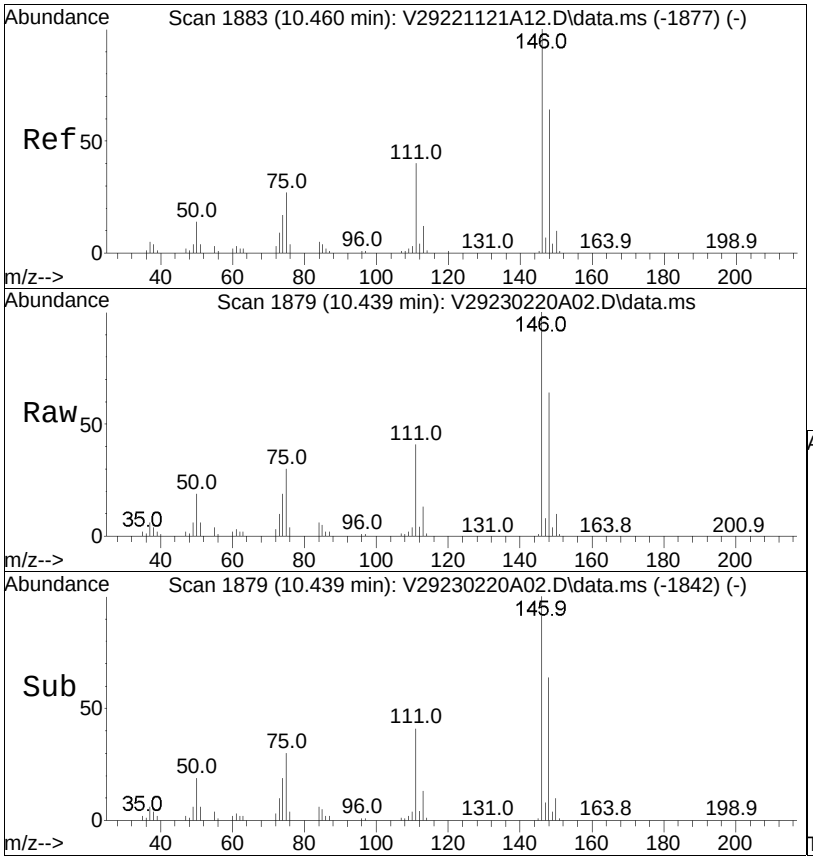


#103
n-Butylbenzene
Concen: 42.22 ug/L
RT: 10.355 min Scan# 1863
Delta R.T. -0.000 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion: 91 Resp: 571340

Ion	Ratio	Lower	Upper
91	100		
92	53.3	43.0	64.4
134	28.6	19.6	29.4

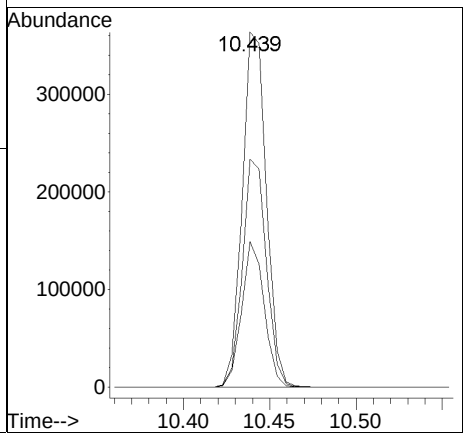


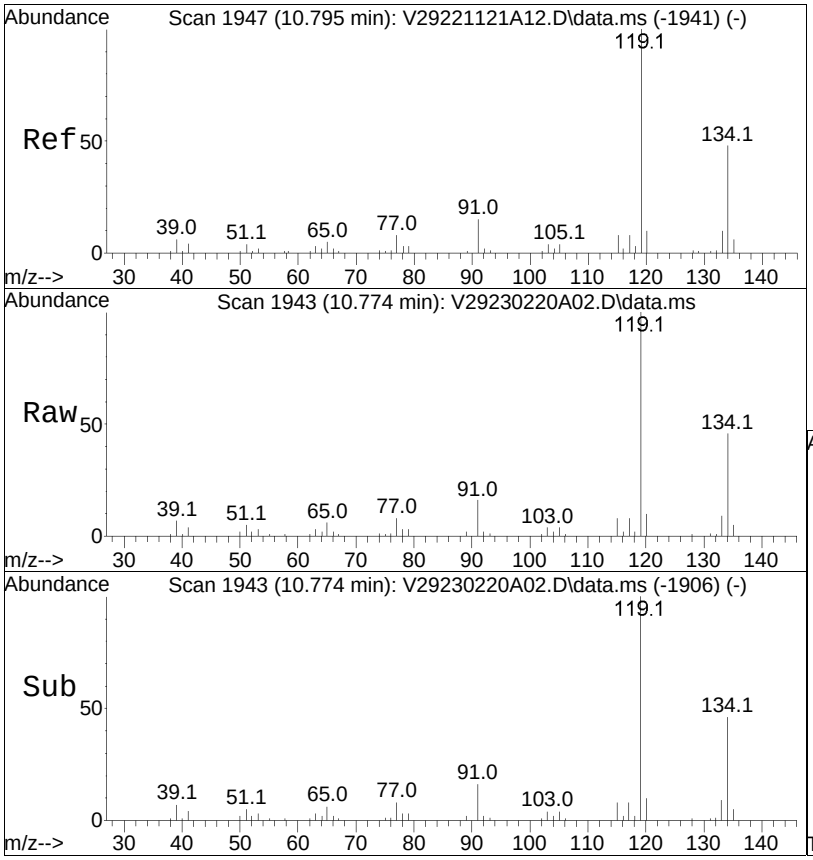


#104
1,2-Dichlorobenzene
Concen: 42.62 ug/L
RT: 10.439 min Scan# 1879
Delta R.T. -0.005 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:146 Resp: 355068

Ion	Ratio	Lower	Upper
146	100		
111	38.6	28.3	58.7
148	63.7	42.3	87.8

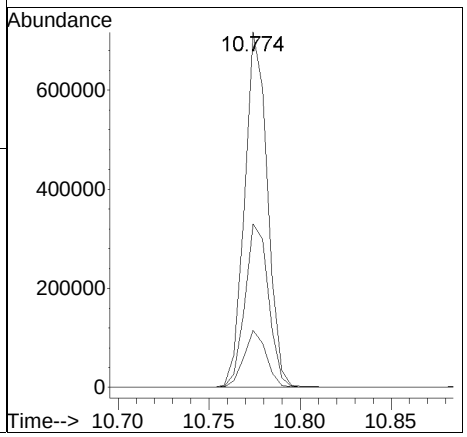


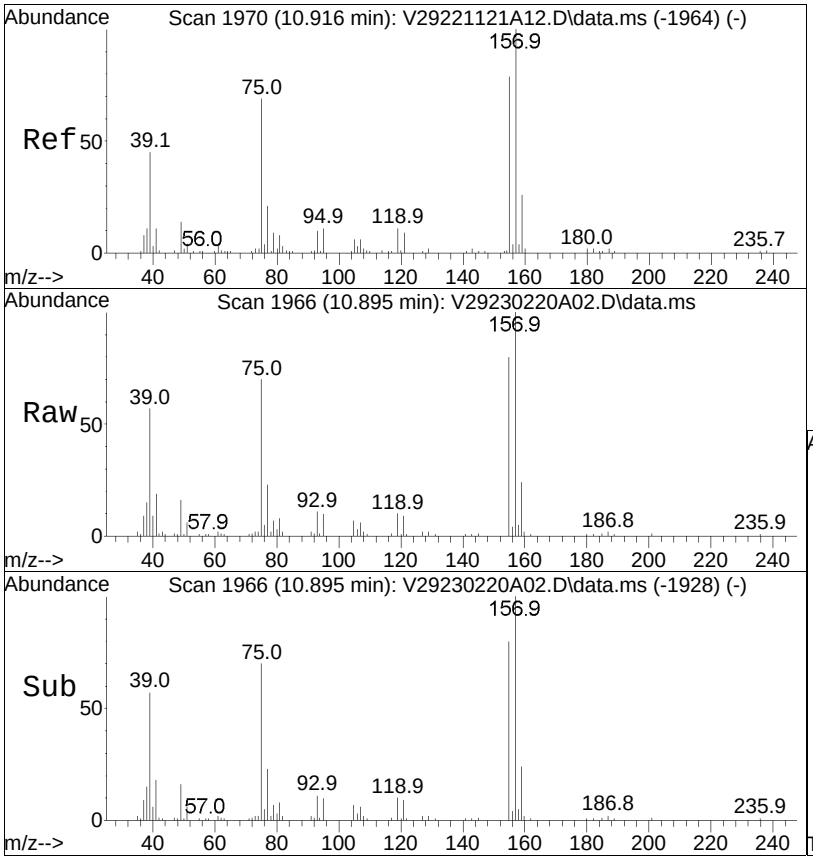


#105
1,2,4,5-Tetramethylbenzene
Concen: 42.67 ug/L
RT: 10.774 min Scan# 1943
Delta R.T. -0.006 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:119 Resp: 627034

Ion	Ratio	Lower	Upper
119	100		
134	47.6	30.5	63.3
91	15.8	12.4	25.7

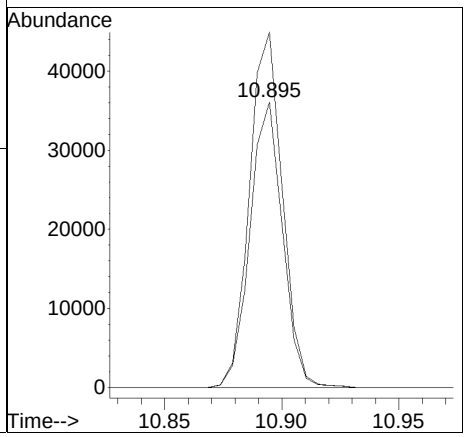


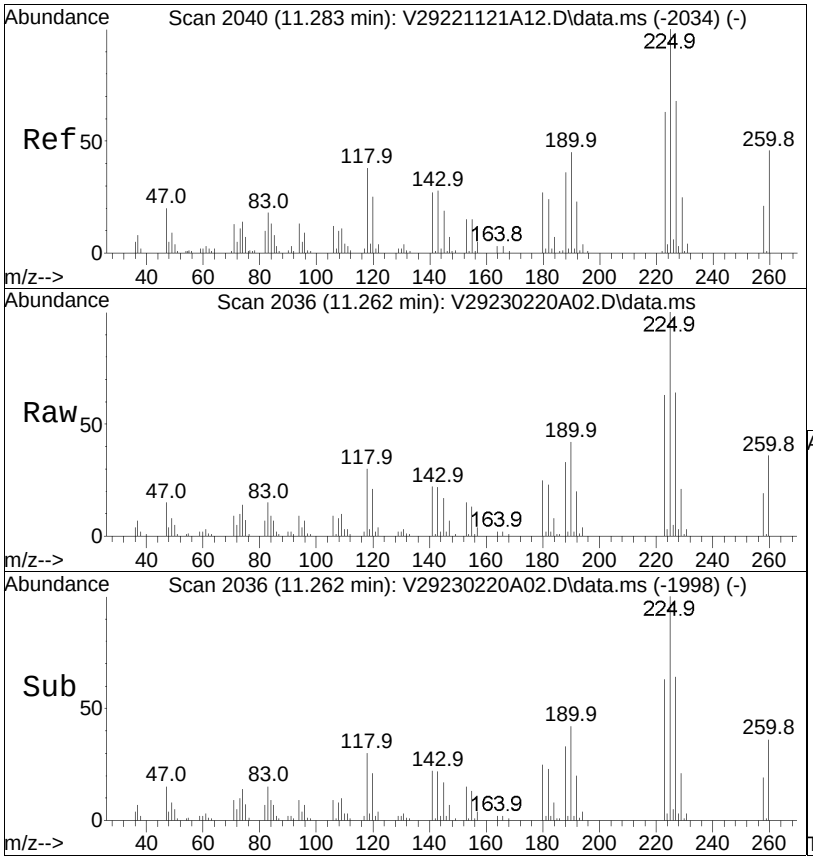


#106
1,2-Dibromo-3-chloropropane
Concen: 40.41 ug/L
RT: 10.895 min Scan# 1966
Delta R.T. -0.000 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:155 Resp: 34961

Ion	Ratio	Lower	Upper
155	100		
157	126.0	94.8	142.2

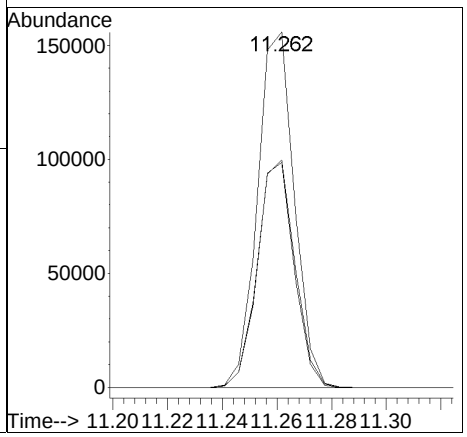


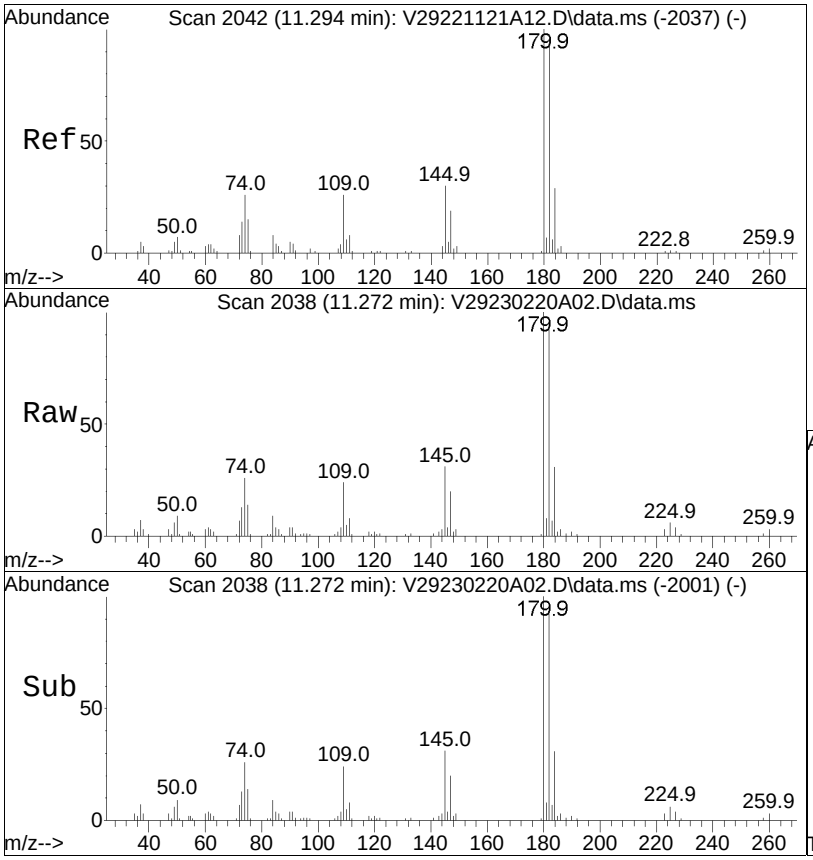


#108
Hexachlorobutadiene
Concen: 39.76 ug/L
RT: 11.262 min Scan# 2036
Delta R.T. -0.000 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:225 Resp: 146089

Ion	Ratio	Lower	Upper
225	100		
223	63.1	54.3	81.5
227	65.1	52.4	78.6

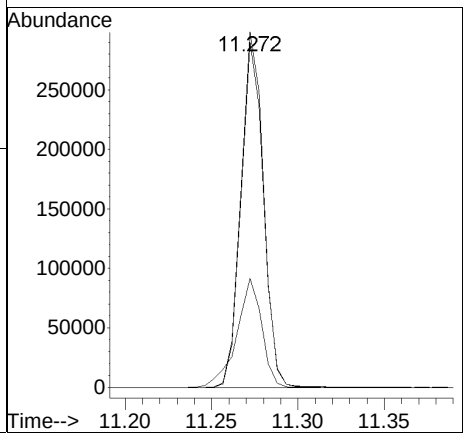


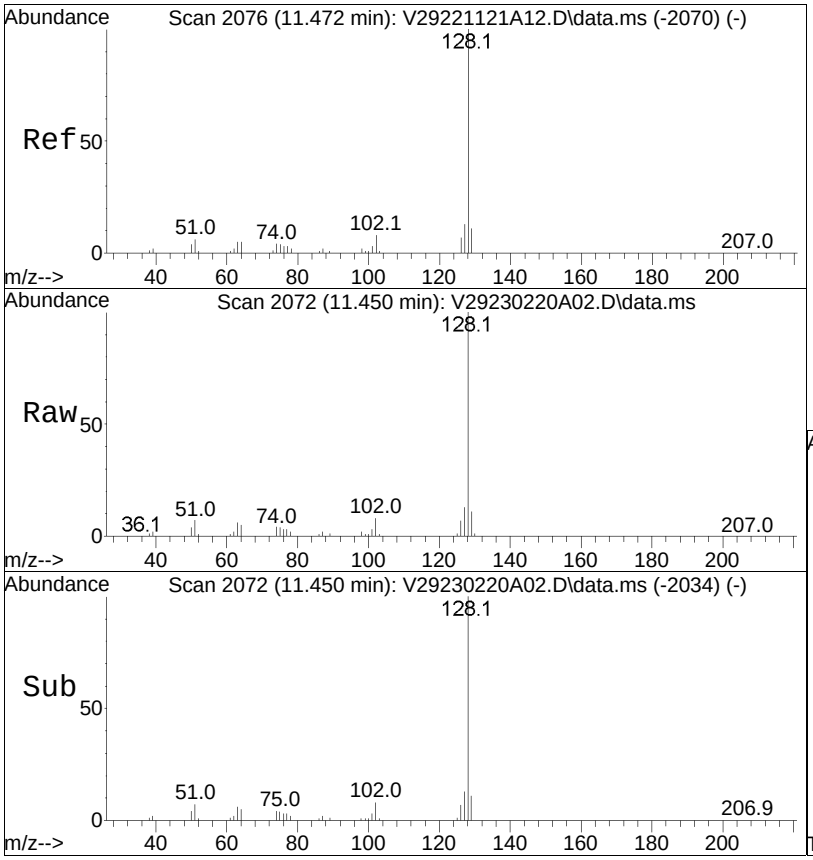


#109
1,2,4-Trichlorobenzene
Concen: 42.93 ug/L
RT: 11.272 min Scan# 2038
Delta R.T. -0.006 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:180 Resp: 272132

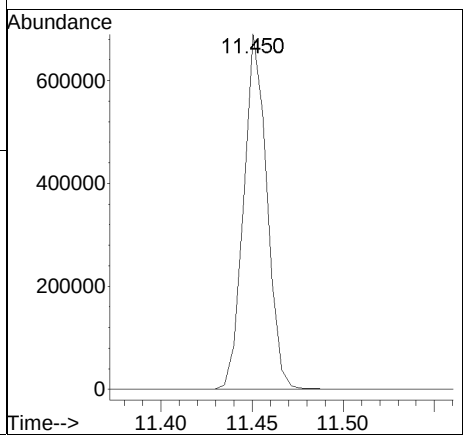
Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.3	115.9
145	33.9	28.1	42.1

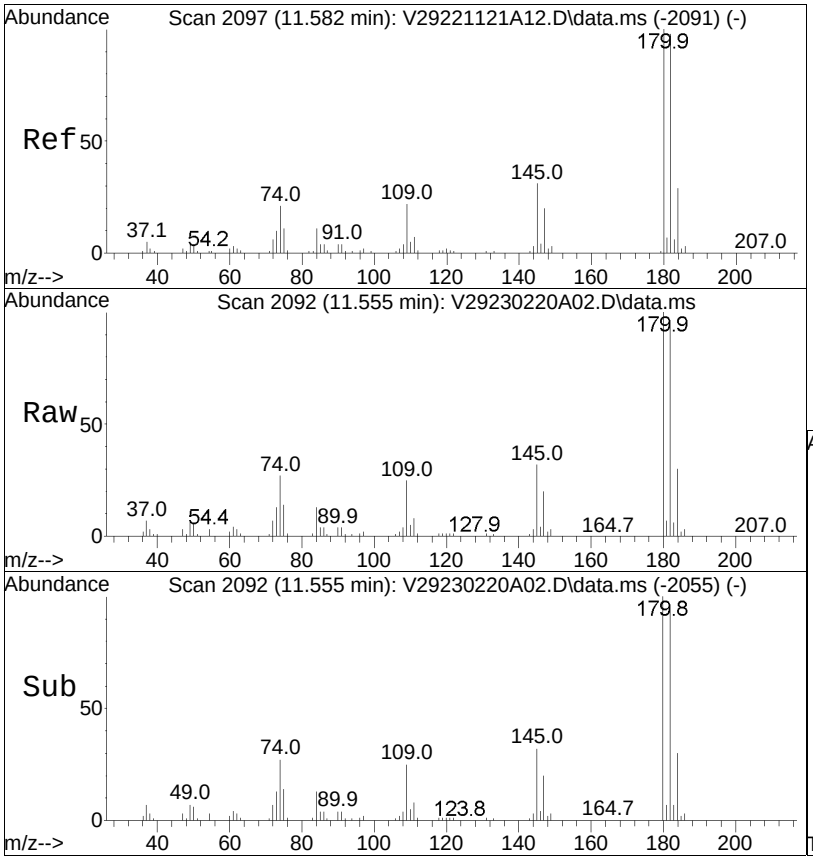




#110
Naphthalene
Concen: 42.23 ug/L
RT: 11.450 min Scan# 2072
Delta R.T. -0.001 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:128 Resp: 612253

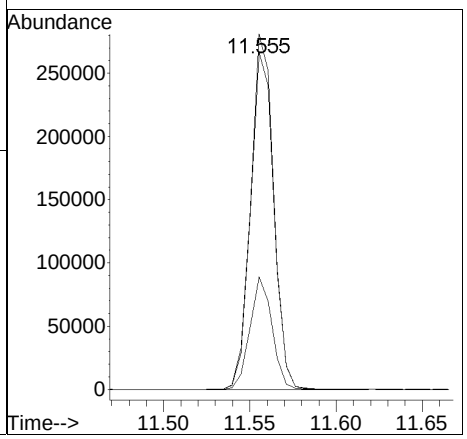




#111
1,2,3-Trichlorobenzene
Concen: 43.22 ug/L
RT: 11.555 min Scan# 2092
Delta R.T. -0.006 min
Lab File: V29230220A02.D
Acq: 20 Feb 2023 09:25 am

Tgt Ion:180 Resp: 260016

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.4	114.6
145	30.4	26.4	39.6

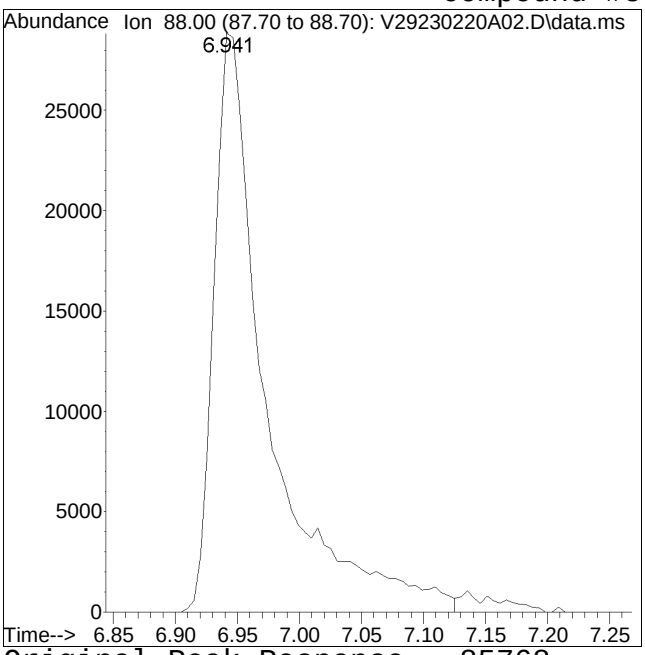


Manual Integration Report

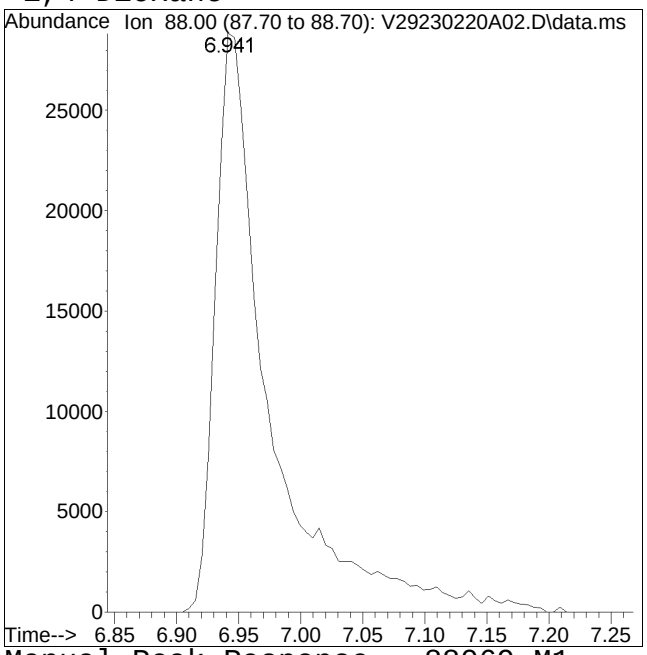
Data Path : I:\VOLATILES\VOA129\2023\2Q
Data File : V29230220A02.D
Date Inj'd : 2/20/2023 9:25 am
Sample : WG1747023-3,31,5,5

Method : V129_221227N_8260.m
Operator : VOA129:MKS
Instrument : VOA 129
Quant Date : 2/20/2023 9:51 am

Compound #57: 1,4-Dioxane



Original Peak Response = 85768



Manual Peak Response = 88069 M1

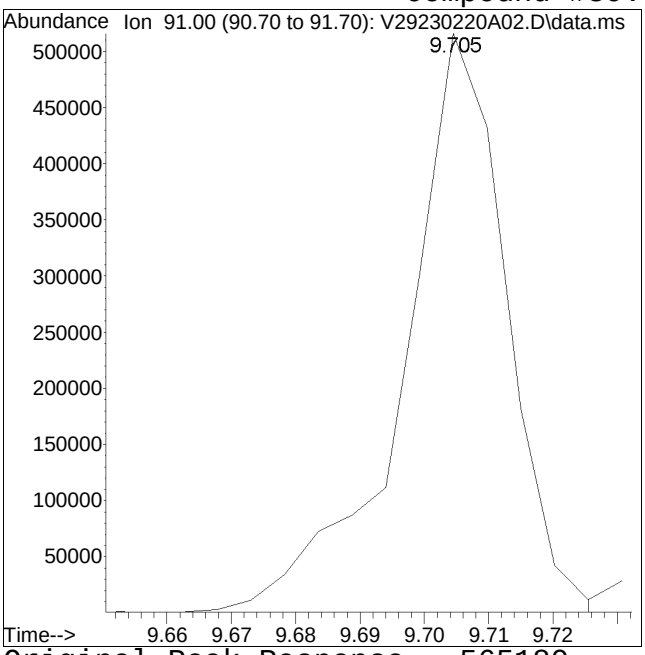
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

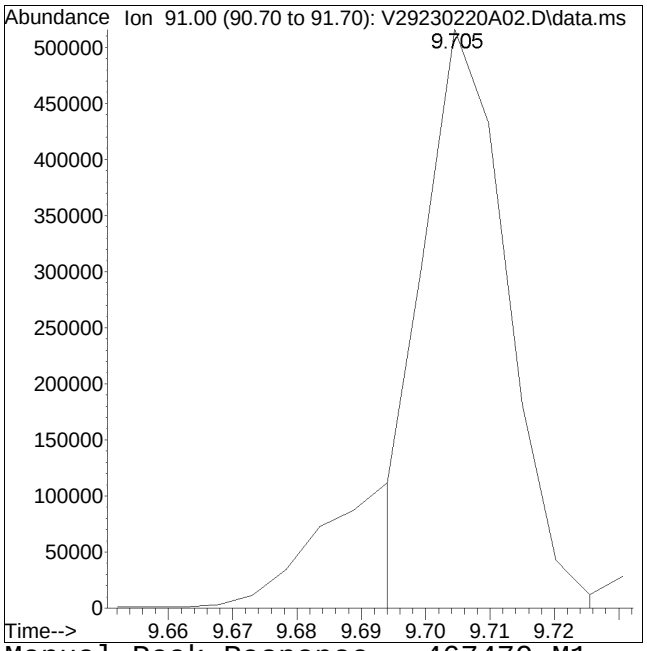
Data Path : I:\VOLATILES\VOA129\2023\2Q
Data File : V29230220A02.D
Date Inj'd : 2/20/2023 9:25 am
Sample : WG1747023-3,31,5,5

Method : V129_221227N_8260.m
Operator : VOA129:MKS
Instrument : VOA 129
Quant Date : 2/20/2023 9:51 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 565180



Manual Peak Response = 467470 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A02.D
Acq On : 17 Feb 2023 8:06 am
Operator : GONZO:PID
Sample : WG1746138-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 17 08:54:07 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2023\230217A\VG230217A01.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.208	96	320989	10.000	ug/L	0.00
Standard Area 1 = 361440			Recovery = 88.81%			
59) Chlorobenzene-d5	9.760	117	242178	10.000	ug/L	0.00
Standard Area 1 = 269855			Recovery = 89.74%			
79) 1,4-Dichlorobenzene-d4	12.426	152	140764	10.000	ug/L	0.00
Standard Area 1 = 153692			Recovery = 91.59%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.395	113	78889	9.851	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.51%			
43) 1,2-Dichloroethane-d4	5.927	65	103323	11.024	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.24%			
60) Toluene-d8	7.908	98	324707	10.393	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.93%			
83) 4-Bromofluorobenzene	11.233	95	124489	10.020	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.725	85	46453	9.432	ug/L	99
3) Chloromethane	1.953	50	71191	10.975	ug/L	97
4) Vinyl chloride	2.006	62	62456	10.790	ug/L	100
5) Bromomethane	2.333	94	24711	8.206	ug/L	98
6) Chloroethane	2.432	64	21511	13.079	ug/L	97
7) Trichlorofluoromethane	2.584	101	68155	9.487	ug/L	97
8) Ethyl ether	2.903	74	26621	11.067	ug/L	88
10) 1,1-Dichloroethene	3.100	96	47373	9.626	ug/L	86
11) Carbon disulfide	3.138	76	166355	13.100	ug/L	99
15) Methylene chloride	3.678	84	58010	10.280	ug/L	87
17) Acetone	3.723	43	17198	10.851	ug/L	92
18) trans-1,2-Dichloroethene	3.830	96	53626	10.296	ug/L	87
20) Methyl tert-butyl ether	3.921	73	133446	10.022	ug/L	93
23) 1,1-Dichloroethane	4.422	63	108143	11.216	ug/L	99
25) Acrylonitrile	4.475	53	19543	10.890	ug/L #	90
27) Vinyl acetate	4.658	43	127074	11.552	ug/L	98
28) cis-1,2-Dichloroethene	4.947	96	58756	9.906	ug/L	90
29) 2,2-Dichloropropane	5.045	77	83874	10.546	ug/L	97
30) Bromochloromethane	5.144	128	26057	10.222	ug/L #	76
32) Chloroform	5.212	83	99939	10.708	ug/L	98

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A02.D
Acq On : 17 Feb 2023 8:06 am
Operator : GONZO:PID
Sample : WG1746138-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 17 08:54:07 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2023\230217A\VG230217A01.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	5.342	117	68385	9.716	ug/L		97
37) 1,1,1-Trichloroethane	5.410	97	80186	9.973	ug/L		96
39) 2-Butanone	5.516	43	25930	10.069	ug/L	#	74
40) 1,1-Dichloropropene	5.531	75	76141	10.468	ug/L		97
41) Benzene	5.782	78	236361	10.712	ug/L		96
44) 1,2-Dichloroethane	5.995	62	71722	10.794	ug/L		97
48) Trichloroethene	6.382	95	58275	9.598	ug/L		95
50) Dibromomethane	6.838	93	32274	10.829	ug/L		94
51) 1,2-Dichloropropane	6.937	63	61308	11.207	ug/L		98
54) Bromodichloromethane	7.013	83	73753	10.171	ug/L		99
57) 1,4-Dioxane	7.220	88	30810	586.957	ug/L	#	88
58) cis-1,3-Dichloropropene	7.707	75	92369	10.367	ug/L		98
61) Toluene	7.965	92	141516	10.671	ug/L		96
62) 4-Methyl-2-pentanone	8.402	58	19508	10.092	ug/L	#	96
63) Tetrachloroethene	8.416	166	58563	9.904	ug/L		98
65) trans-1,3-Dichloropropene	8.459	75	79788	10.594	ug/L		99
68) 1,1,2-Trichloroethane	8.646	83	40880	10.443	ug/L		97
69) Chlorodibromomethane	8.861	129	52302	10.346	ug/L		100
70) 1,3-Dichloropropane	8.968	76	86527	11.429	ug/L		99
71) 1,2-Dibromoethane	9.140	107	45966	10.569	ug/L		99
72) 2-Hexanone	9.419	43	37179	10.344	ug/L		94
73) Chlorobenzene	9.785	112	157009	10.915	ug/L		93
74) Ethylbenzene	9.818	91	277965	10.724	ug/L		97
75) 1,1,1,2-Tetrachloroethane	9.867	131	53394	10.495	ug/L		97
76) p/m Xylene	10.007	106	215372	21.242	ug/L		93
77) o Xylene	10.534	106	205227	21.346	ug/L		92
78) Styrene	10.599	104	345606	21.972	ug/L		94
80) Bromoform	10.632	173	37467	10.298	ug/L		100
82) Isopropylbenzene	10.904	105	272987	10.699	ug/L		98
84) Bromobenzene	11.340	156	67277	10.495	ug/L		99
85) n-Propylbenzene	11.373	91	350493	11.310	ug/L		96
87) 1,1,2,2-Tetrachloroethane	11.471	83	71657	11.991	ug/L		99
88) 4-Ethyltoluene	11.496	105	286026	11.129	ug/L		97
89) 2-Chlorotoluene	11.545	91	211603M4	11.628	ug/L		
90) 1,3,5-Trimethylbenzene	11.595	105	244833	10.999	ug/L		97
91) 1,2,3-Trichloropropane	11.611	75	60412M1	12.143	ug/L		
92) trans-1,4-Dichloro-2-b...	11.661	53	14092	7.911	ug/L	#	91
93) 4-Chlorotoluene	11.726	91	215402	11.478	ug/L		95
94) tert-Butylbenzene	11.932	119	200082	10.544	ug/L		95

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A02.D
Acq On : 17 Feb 2023 8:06 am
Operator : GONZO:PID
Sample : WG1746138-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 17 08:54:07 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2023\230217A\VG230217A01.D
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	12.014	105	235244	10.979	ug/L	97
98)	sec-Butylbenzene	12.121	105	316474	11.129	ug/L	96
99)	p-Isopropyltoluene	12.269	119	262395	10.759	ug/L	98
100)	1,3-Dichlorobenzene	12.343	146	133753	11.057	ug/L	99
101)	1,4-Dichlorobenzene	12.434	146	137465	11.263	ug/L	98
102)	p-Diethylbenzene	12.640	119	152916	10.568	ug/L	96
103)	n-Butylbenzene	12.697	91	239336	11.499	ug/L	98
104)	1,2-Dichlorobenzene	12.862	146	126187	11.180	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.429	119	170224	9.252	ug/L	96
106)	1,2-Dibromo-3-chloropr...	13.635	155	10861	9.870	ug/L	98
108)	Hexachlorobutadiene	14.227	225	44482	9.836	ug/L	99
109)	1,2,4-Trichlorobenzene	14.260	180	70699	9.844	ug/L	98
110)	Naphthalene	14.556	128	121062	8.503	ug/L	100
111)	1,2,3-Trichlorobenzene	14.721	180	56032	9.632	ug/L	98

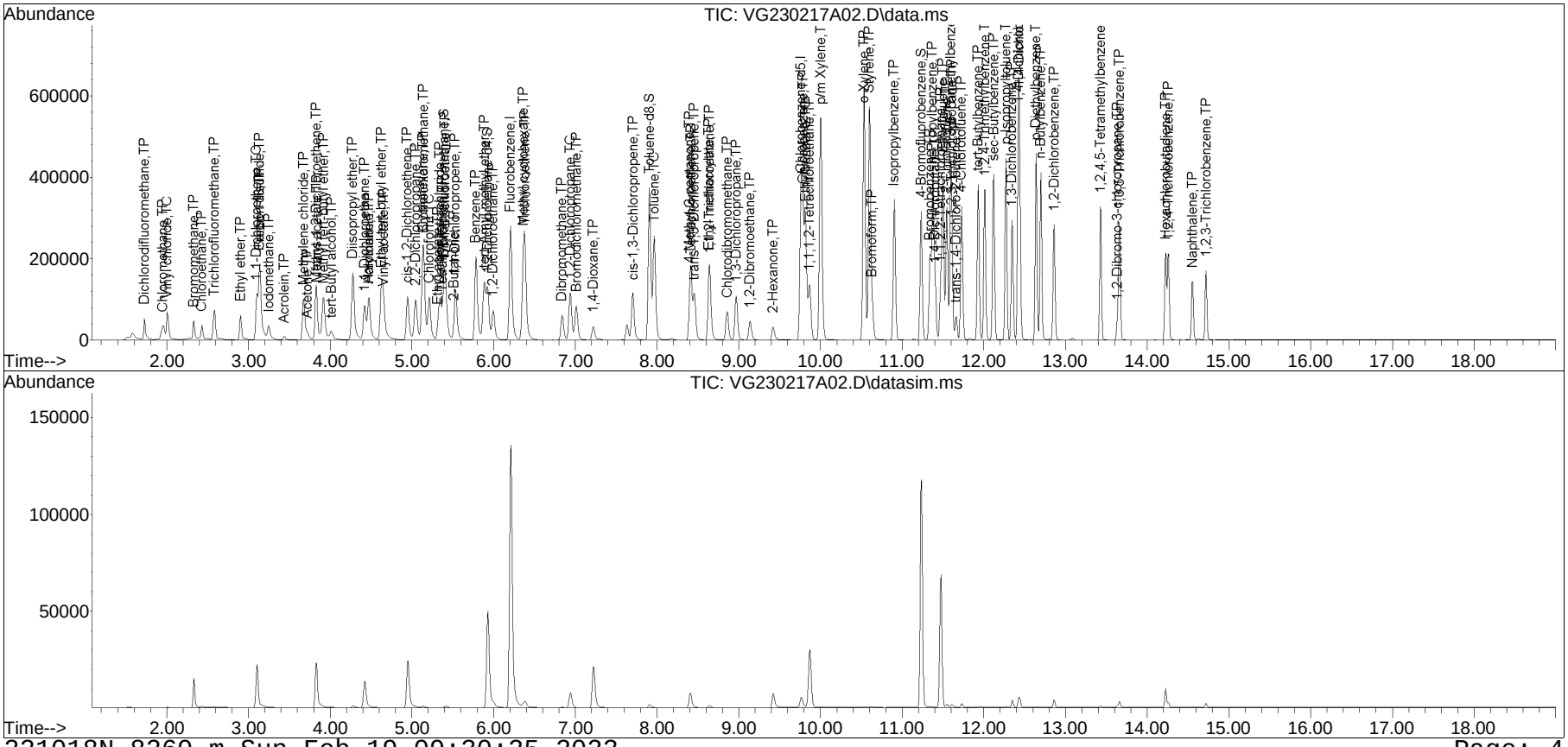
(#) = qualifier out of range (m) = manual integration (+) = signals summed

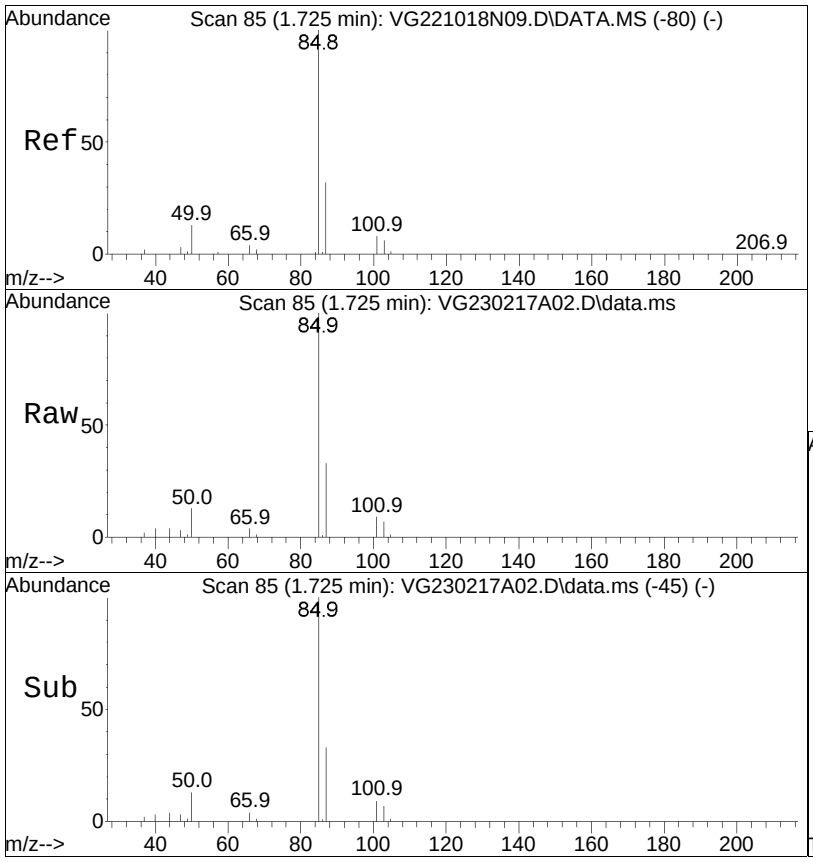
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2023\230217A\
Data File : VG230217A02.D
Acq On : 17 Feb 2023 8:06 am
Operator : GONZO:PID
Sample : WG1746138-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1746138,ICAL19406 (Sig #1); WG,ICAL19406 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 17 08:54:07 2023
Quant Method : I:\VOLATILES\Gonzo\2023\230217A\G_221018N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Oct 19 09:56:39 2022
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVEG230217A01.D•

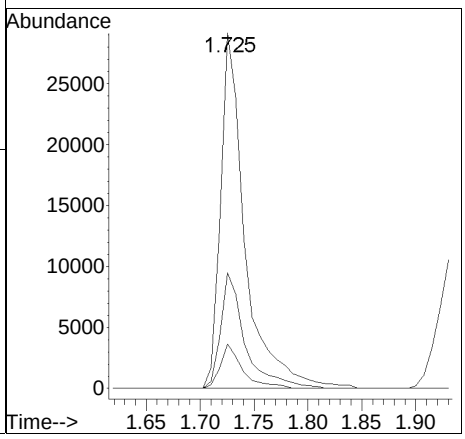


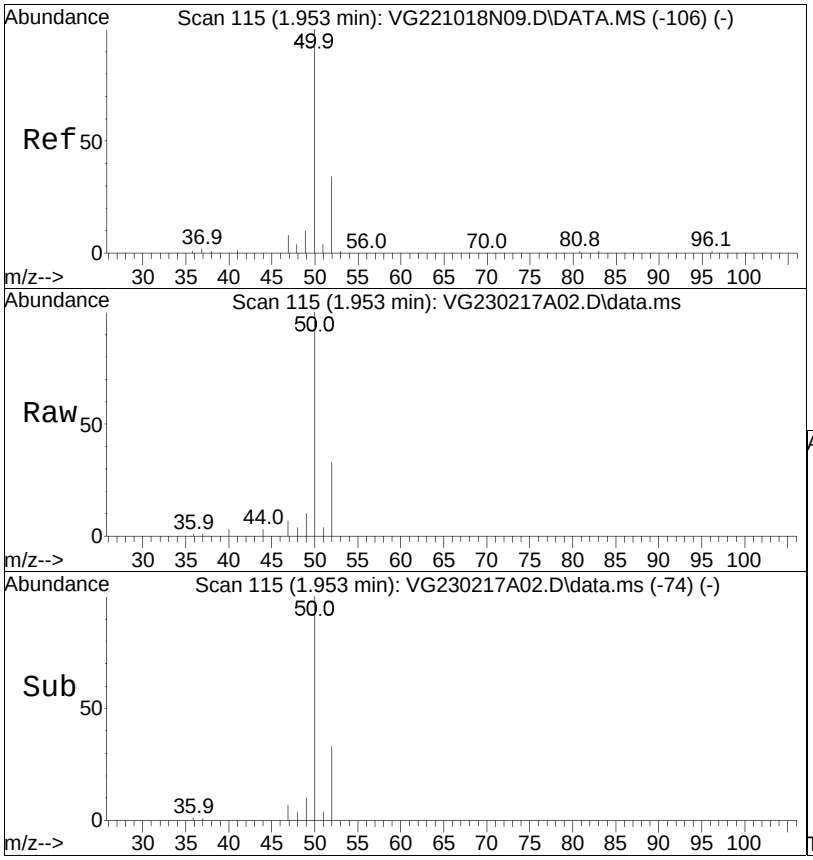


#2
Dichlorodifluoromethane
Concen: 9.43 ug/L
RT: 1.725 min Scan# 85
Delta R.T. 0.000 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 85 Resp: 46453

Ion	Ratio	Lower	Upper
85	100		
87	32.3	20.7	42.9
50	11.3	7.5	15.5

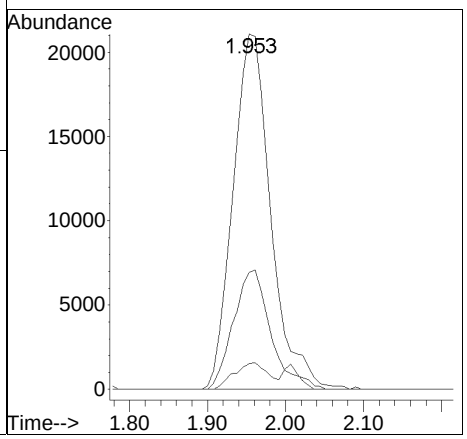


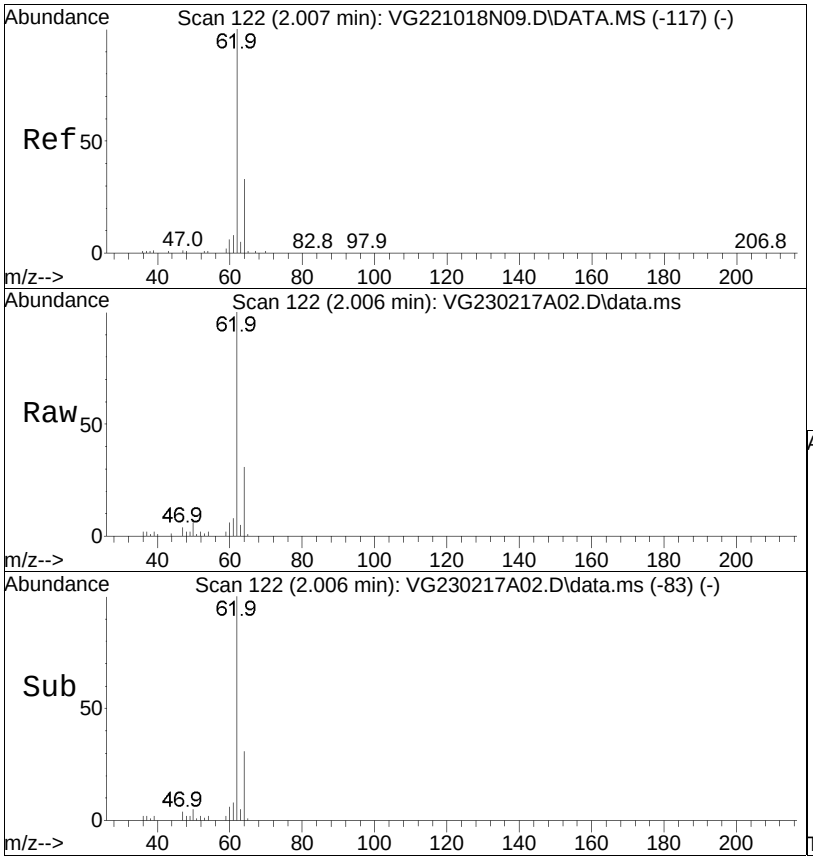


#3
Chloromethane
Concen: 10.98 ug/L
RT: 1.953 min Scan# 115
Delta R.T. 0.015 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 50 Resp: 71191

Ion	Ratio	Lower	Upper
50	100		
52	33.2	11.7	51.7
47	6.9	0.0	28.0

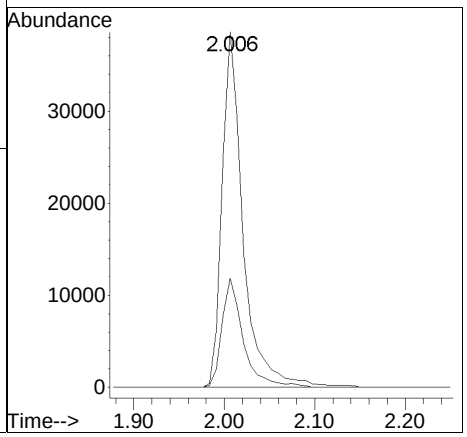


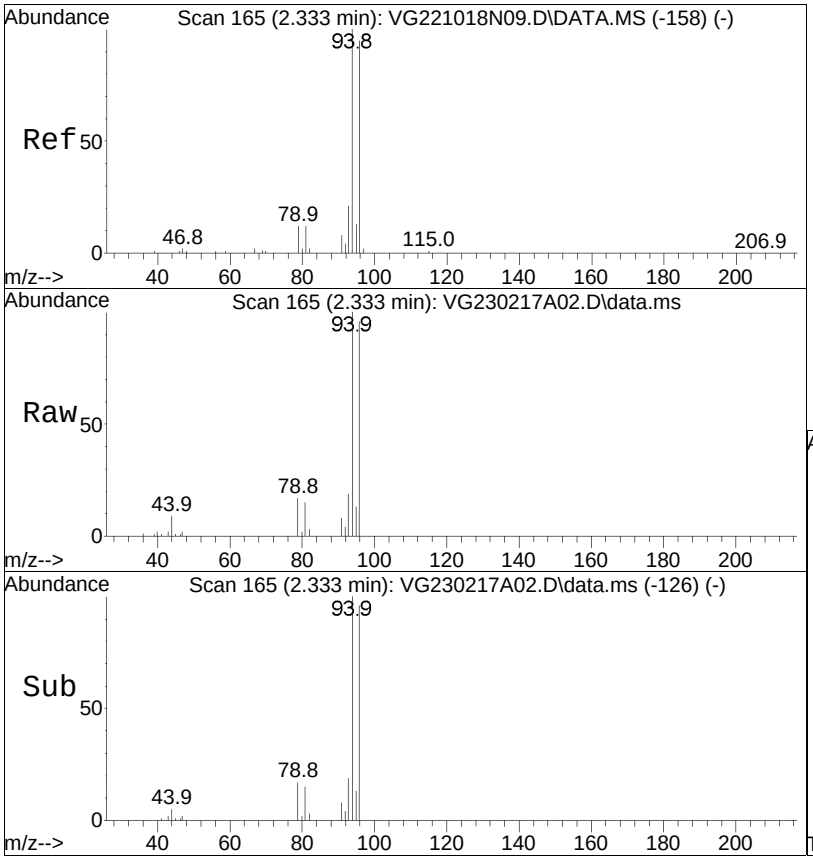


#4
Vinyl chloride
Concen: 10.79 ug/L
RT: 2.006 min Scan# 122
Delta R.T. -0.001 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 62 Resp: 62456

Ion	Ratio	Lower	Upper
62	100		
64	31.2	11.3	51.3

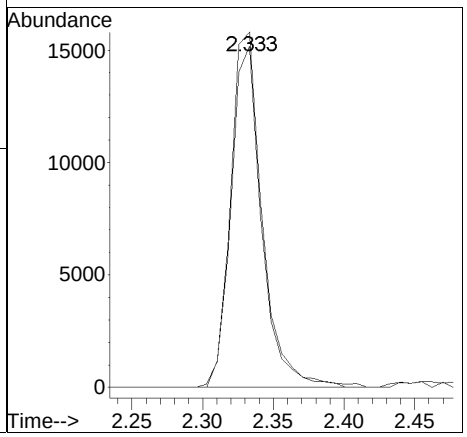


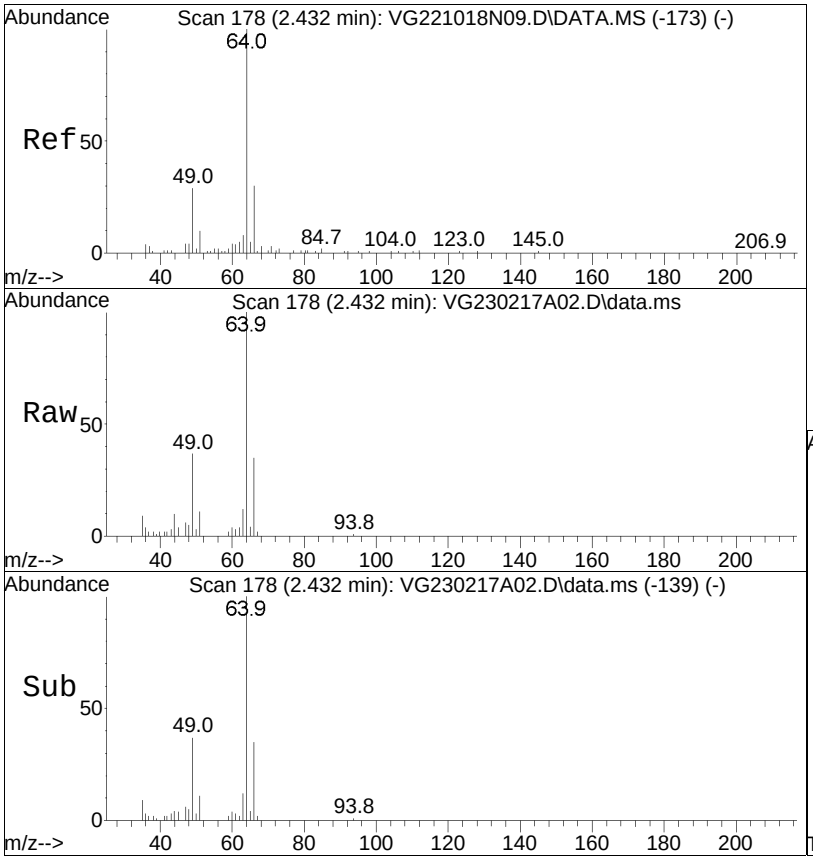


#5
Bromomethane
Concen: 8.21 ug/L
RT: 2.333 min Scan# 165
Delta R.T. 0.000 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 94 Resp: 24711

Ion	Ratio	Lower	Upper
94	100		
96	93.0	75.2	115.2

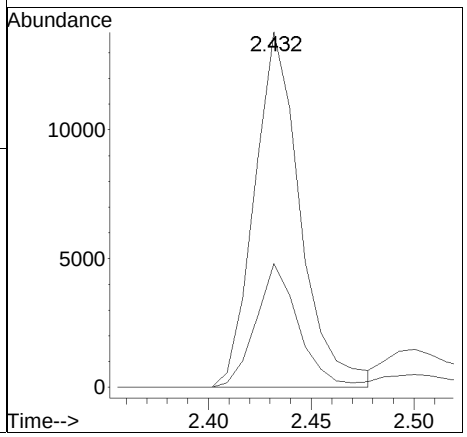


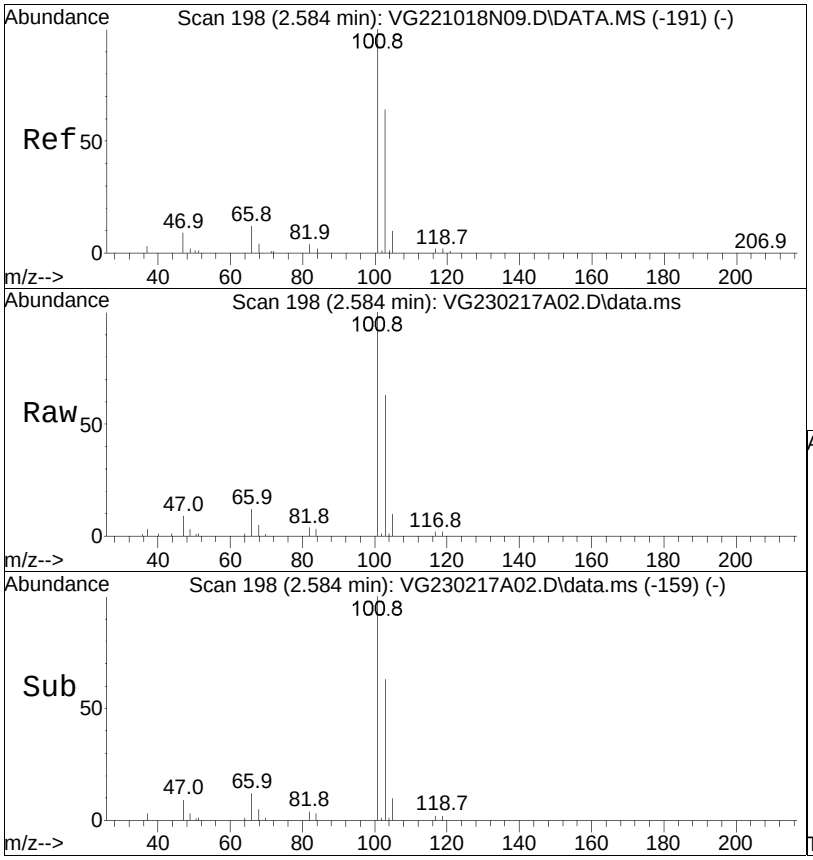


#6
Chloroethane
Concen: 13.08 ug/L
RT: 2.432 min Scan# 178
Delta R.T. -0.000 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 64 Resp: 21511

Ion	Ratio	Lower	Upper
64	100		
66	32.2	13.7	53.7

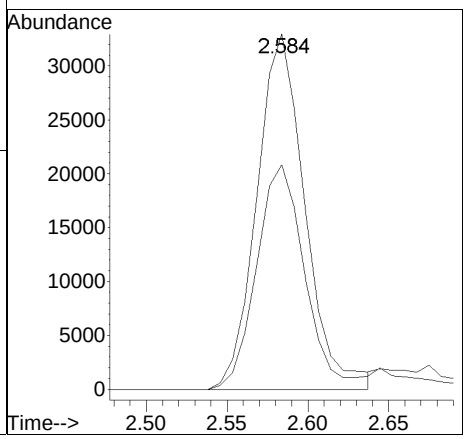


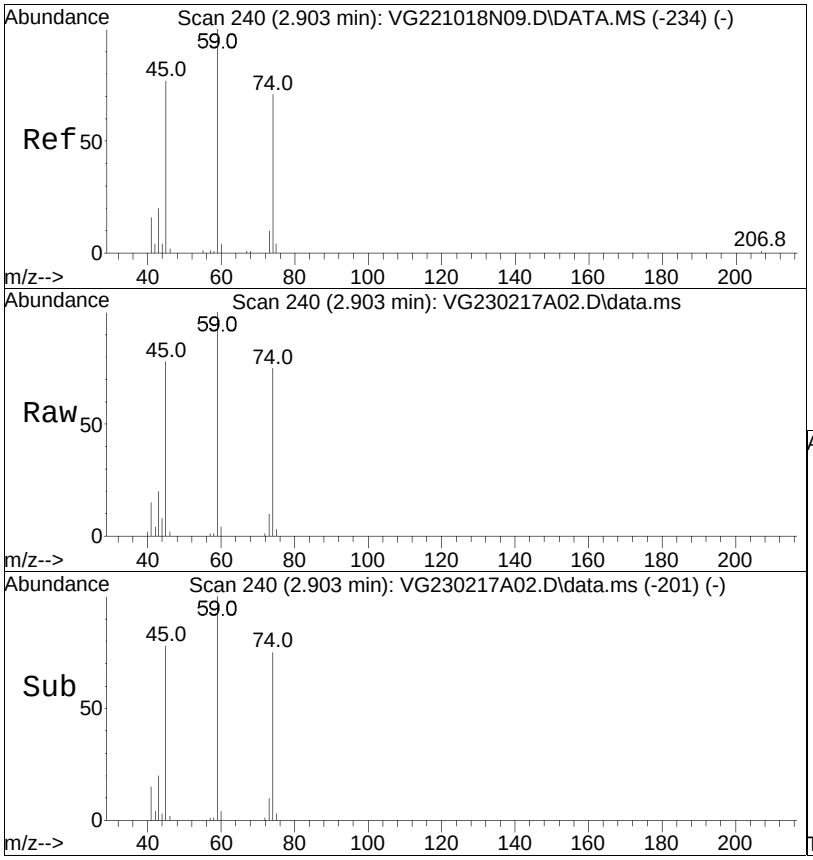


#7
Trichlorofluoromethane
Concen: 9.49 ug/L
RT: 2.584 min Scan# 198
Delta R.T. -0.000 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:101 Resp: 68155

Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.2	78.2

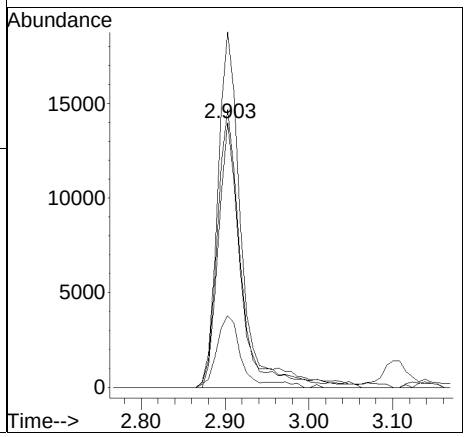


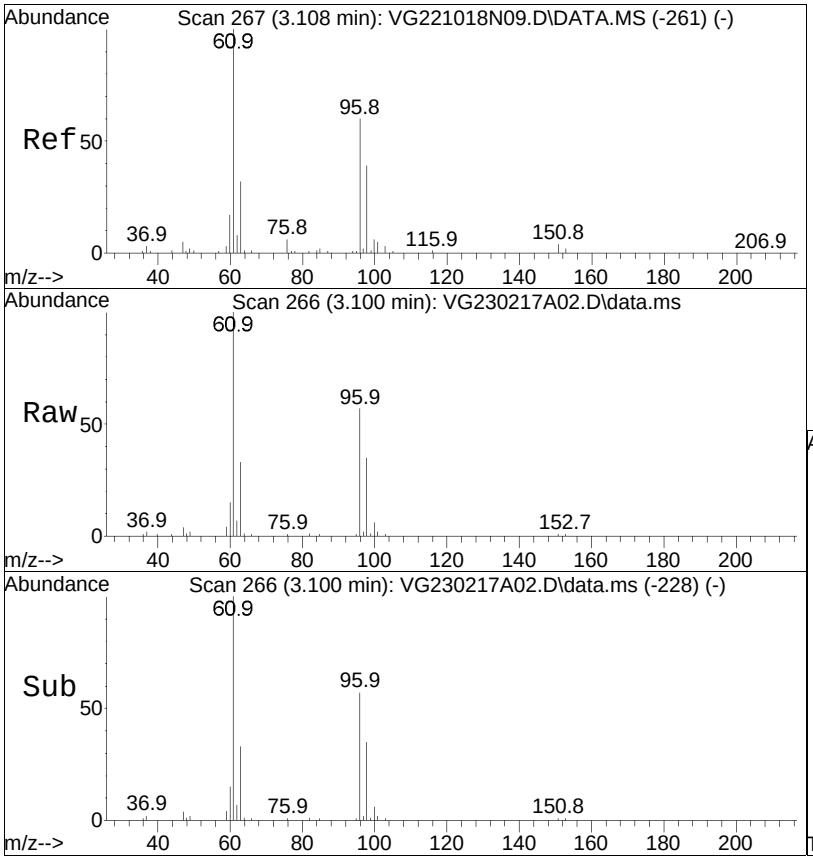


#8
Ethyl ether
Concen: 11.07 ug/L
RT: 2.903 min Scan# 240
Delta R.T. -0.000 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 74 Resp: 26621

Ion	Ratio	Lower	Upper
74	100		
59	140.3	83.5	173.3
45	109.7	59.7	123.9
43	27.7	17.6	36.6

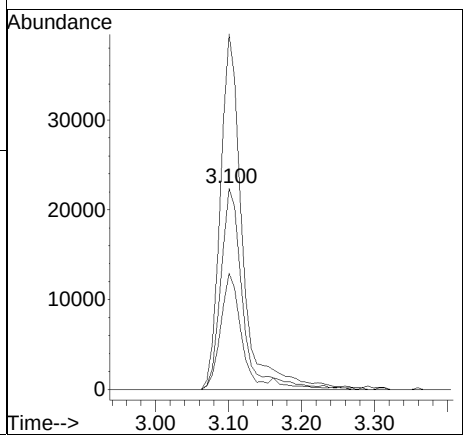


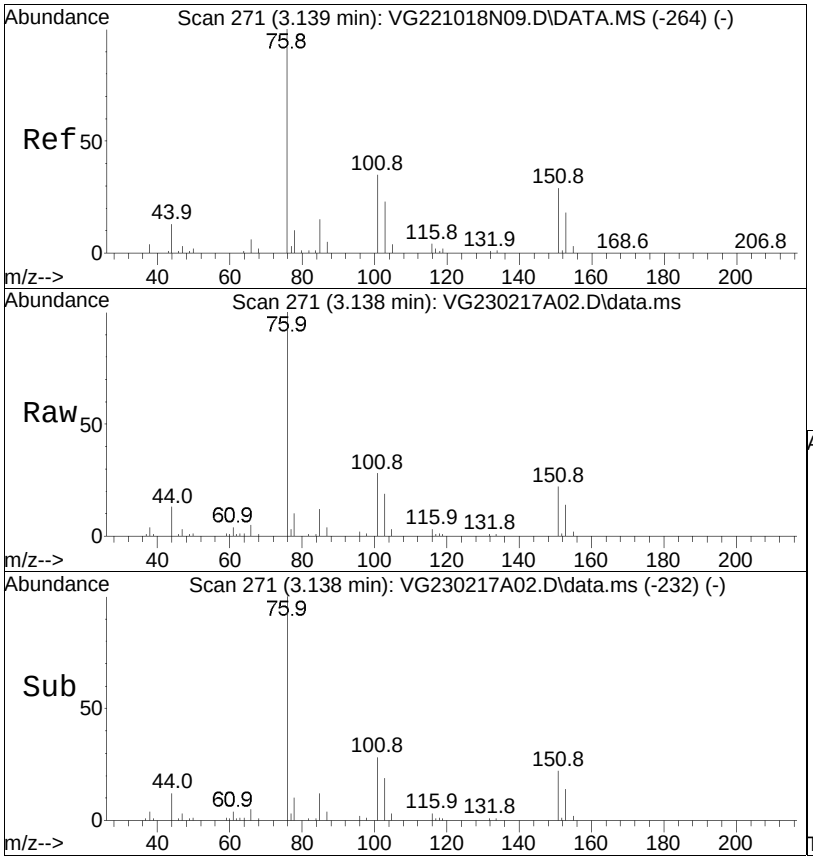


#10
1,1-Dichloroethene
Concen: 9.63 ug/L
RT: 3.100 min Scan# 266
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 96 Resp: 47373

Ion	Ratio	Lower	Upper
96	100		
61	177.0	124.2	186.4
63	52.6	40.0	60.0

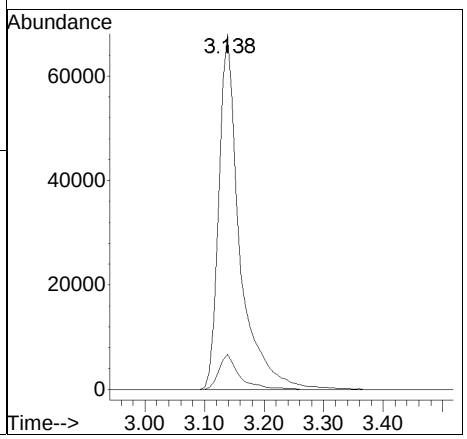


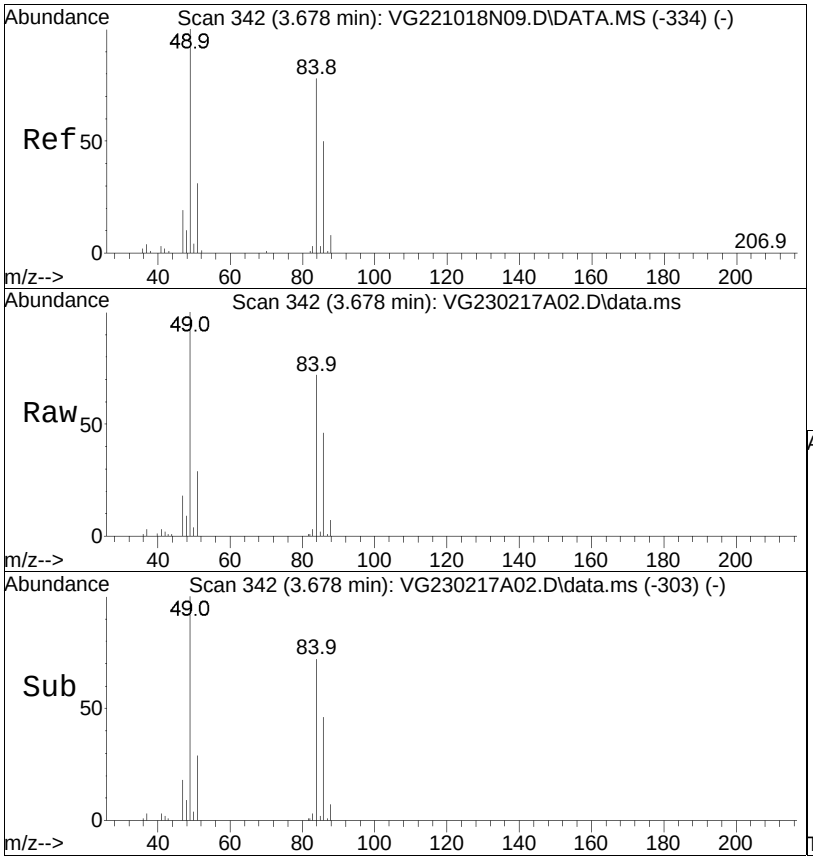


#11
Carbon disulfide
Concen: 13.10 ug/L
RT: 3.138 min Scan# 271
Delta R.T. -0.001 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 76 Resp: 166355

Ion	Ratio	Lower	Upper
76	100		
78	9.6	6.6	13.6

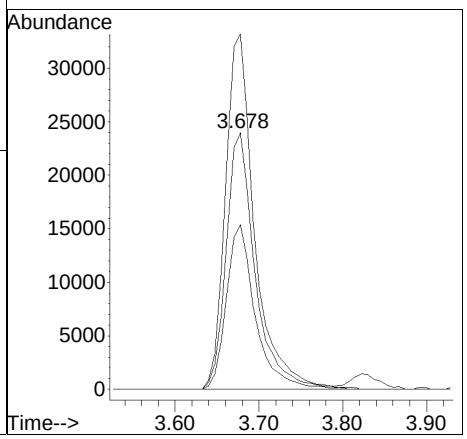


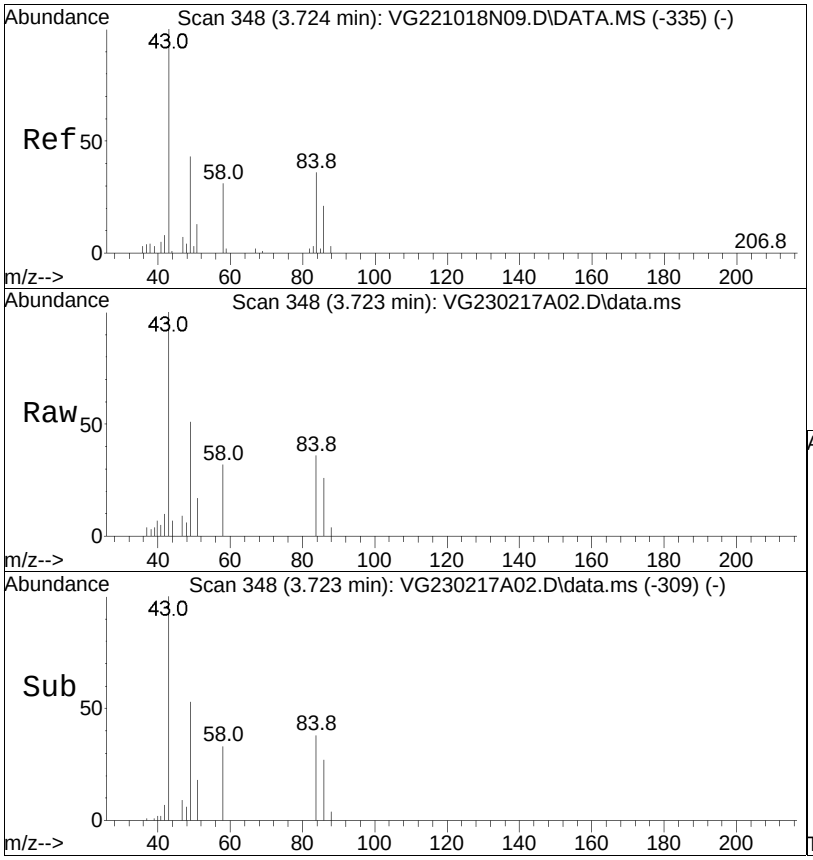


#15
Methylene chloride
Concen: 10.28 ug/L
RT: 3.678 min Scan# 342
Delta R.T. -0.000 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 84 Resp: 58010

Ion	Ratio	Lower	Upper
84	100		
86	64.1	41.1	85.5
49	137.9	76.2	158.2

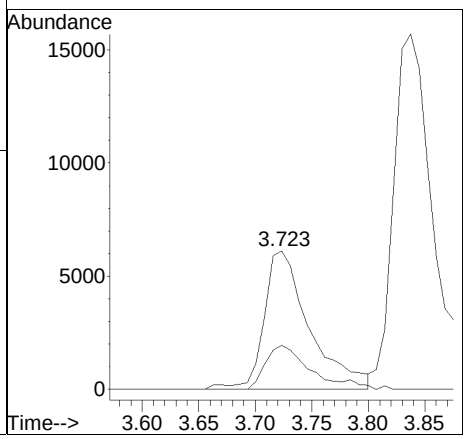


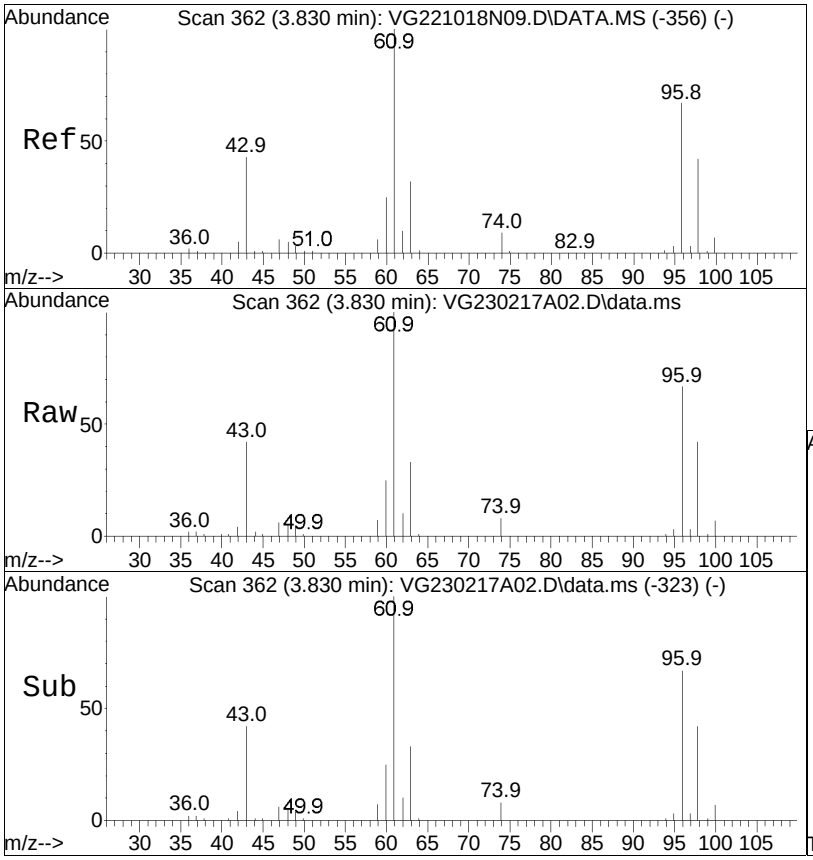


#17
Acetone
Concen: 10.85 ug/L
RT: 3.723 min Scan# 348
Delta R.T. -0.001 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 43 Resp: 17198

Ion	Ratio	Lower	Upper
43	100		
58	31.8	22.2	33.4

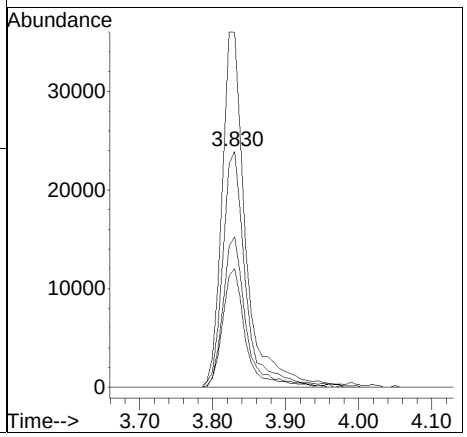


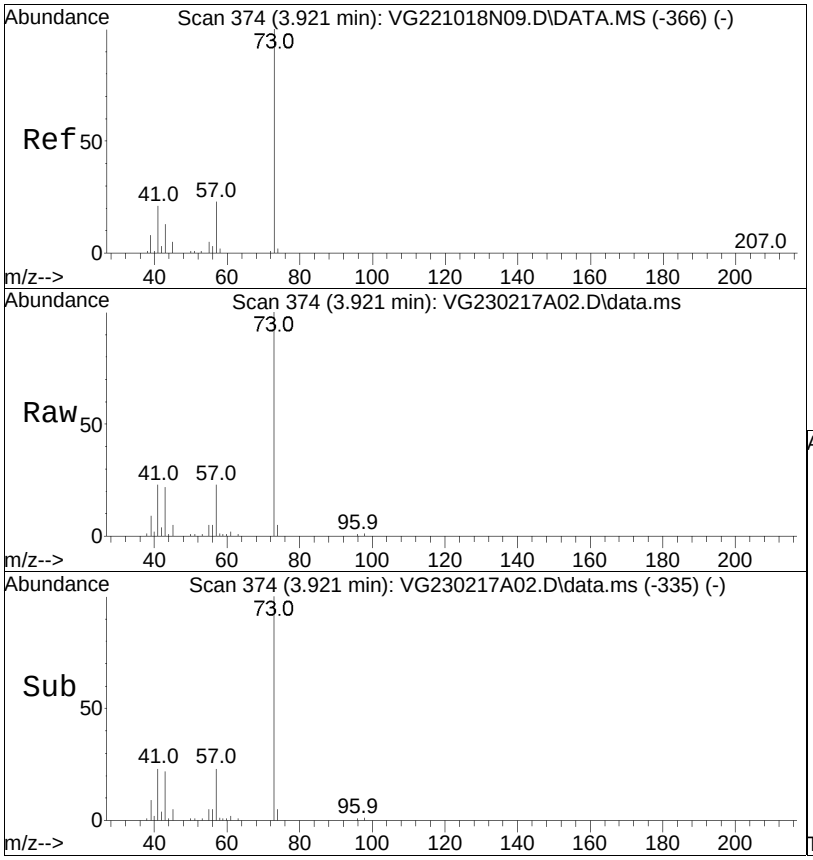


#18
trans-1,2-Dichloroethene
Concen: 10.30 ug/L
RT: 3.830 min Scan# 362
Delta R.T. -0.000 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 96 Resp: 53626

Ion	Ratio	Lower	Upper
96	100		
61	153.4	85.7	178.1
98	63.4	40.2	83.4
63	49.7	28.0	58.2

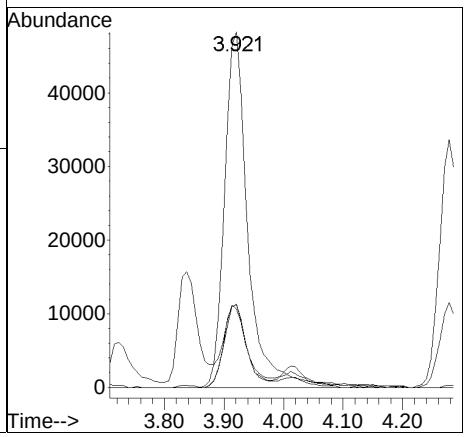


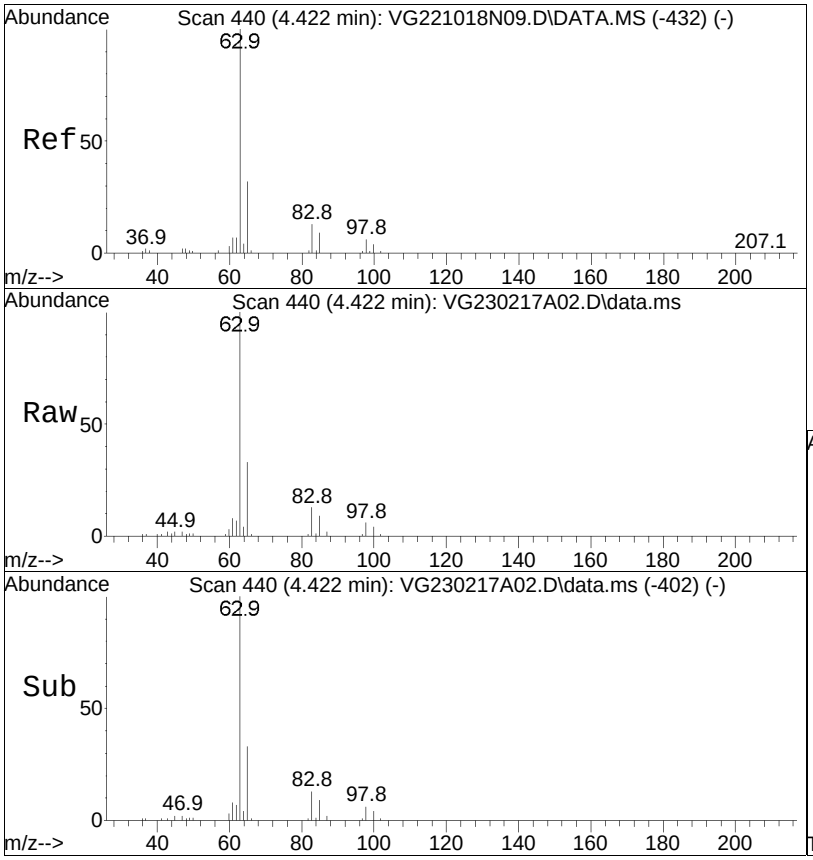


#20
Methyl tert-butyl ether
Concen: 10.02 ug/L
RT: 3.921 min Scan# 374
Delta R.T. -0.000 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 73 Resp: 133446

Ion	Ratio	Lower	Upper
73	100		
57	22.1	12.5	26.1
43	23.4	13.0	27.0
41	22.5	12.5	26.1

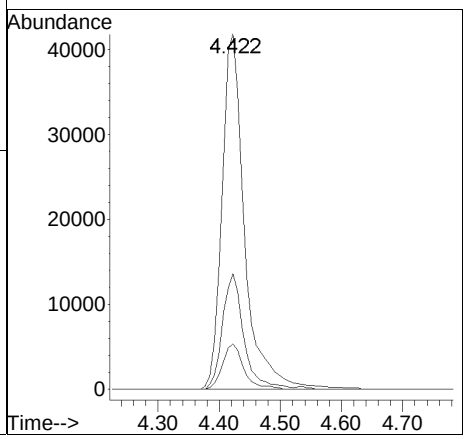


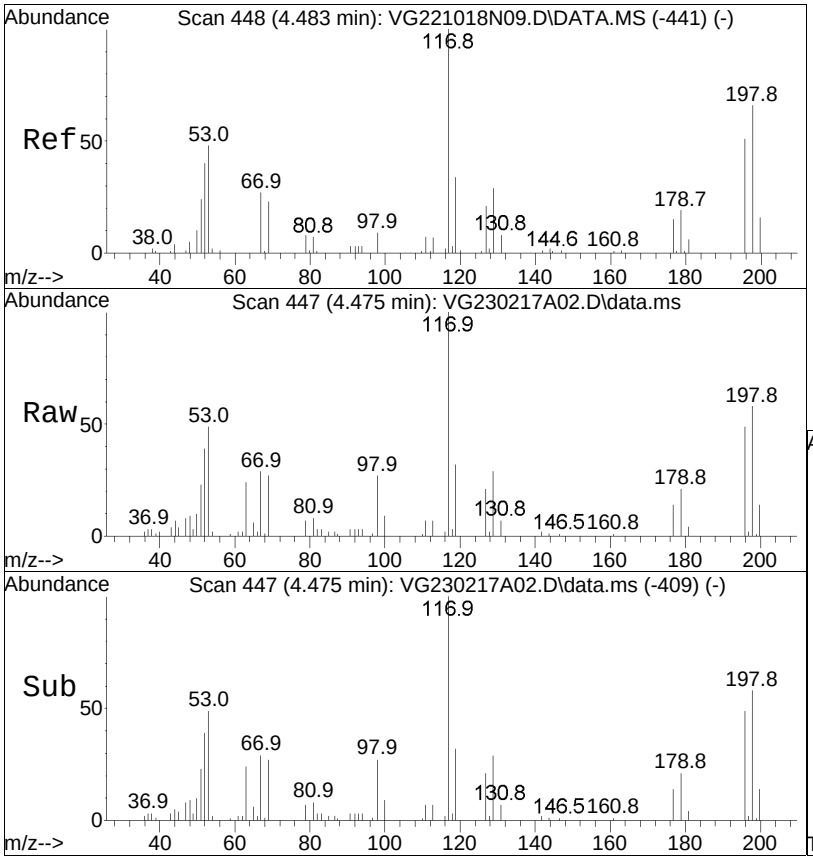


#23
1,1-Dichloroethane
Concen: 11.22 ug/L
RT: 4.422 min Scan# 440
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 63 Resp: 108143

Ion	Ratio	Lower	Upper
63	100		
65	30.6	10.4	50.4
83	12.0	0.0	33.2

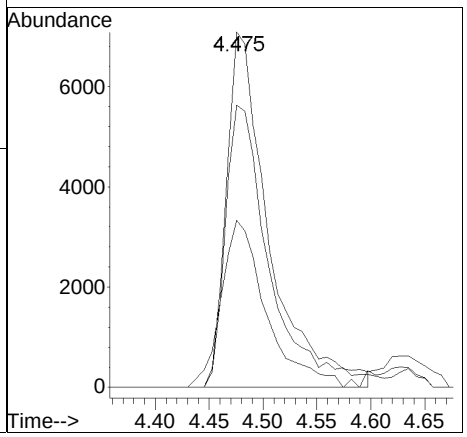


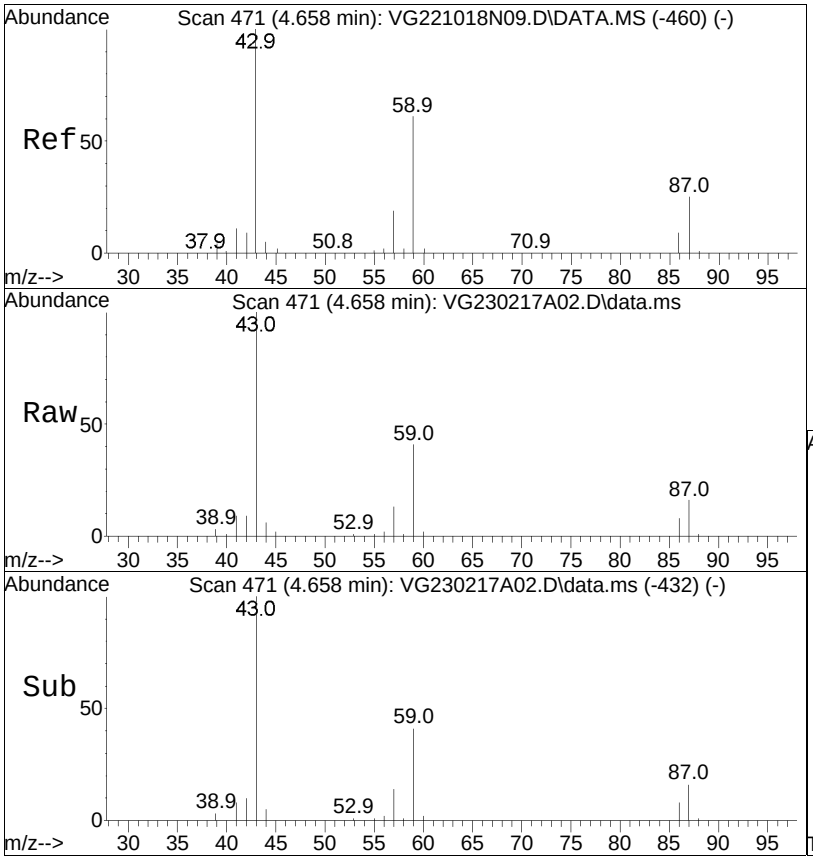


#25
Acrylonitrile
Concen: 10.89 ug/L
RT: 4.475 min Scan# 447
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 53 Resp: 19543

Ion	Ratio	Lower	Upper
53	100		
52	82.9	68.3	102.5
51	49.6	51.9	77.9#

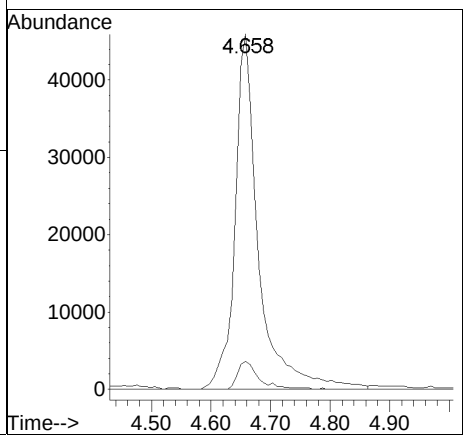


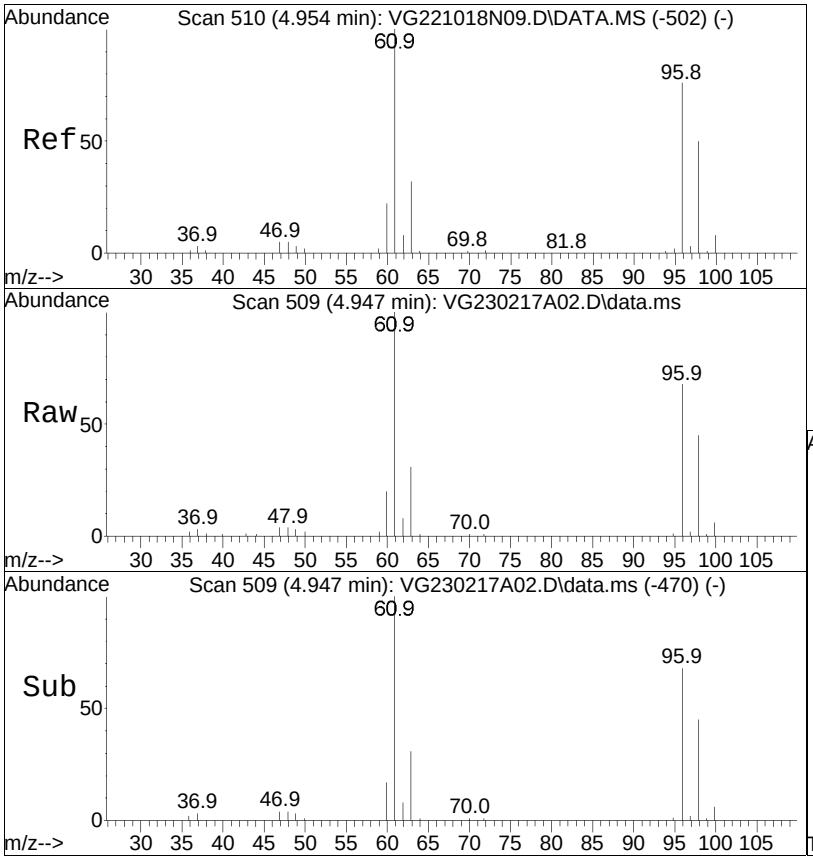


#27
Vinyl acetate
Concen: 11.55 ug/L
RT: 4.658 min Scan# 471
Delta R.T. -0.000 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 43 Resp: 127074

Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.3	9.5

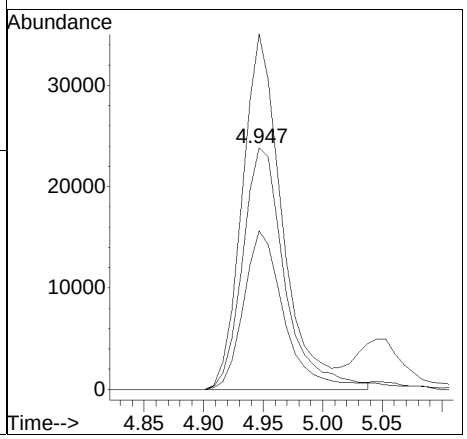


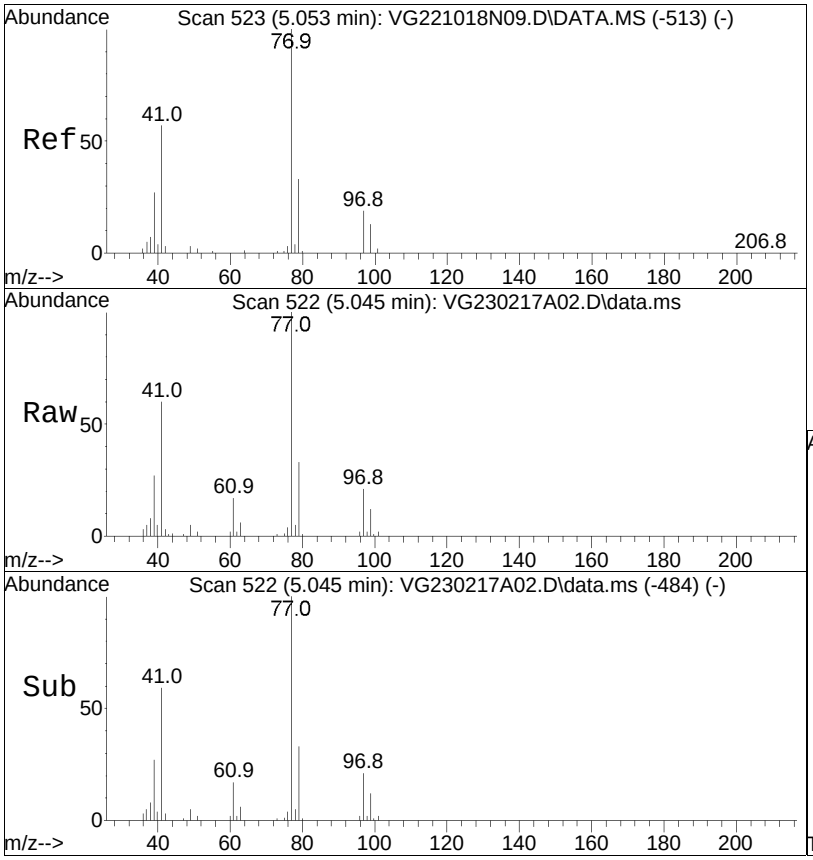


#28
cis-1,2-Dichloroethene
Concen: 9.91 ug/L
RT: 4.947 min Scan# 509
Delta R.T. -0.007 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 96 Resp: 58756

Ion	Ratio	Lower	Upper
96	100		
61	137.1	96.6	144.8
98	65.3	51.3	76.9

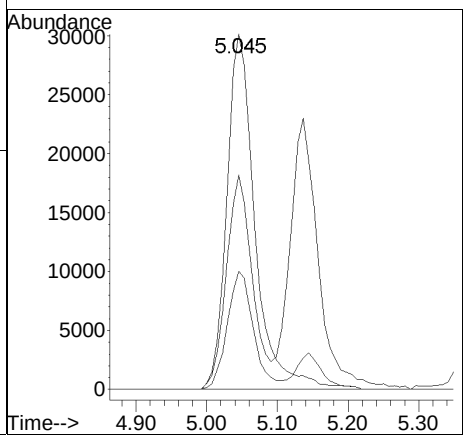


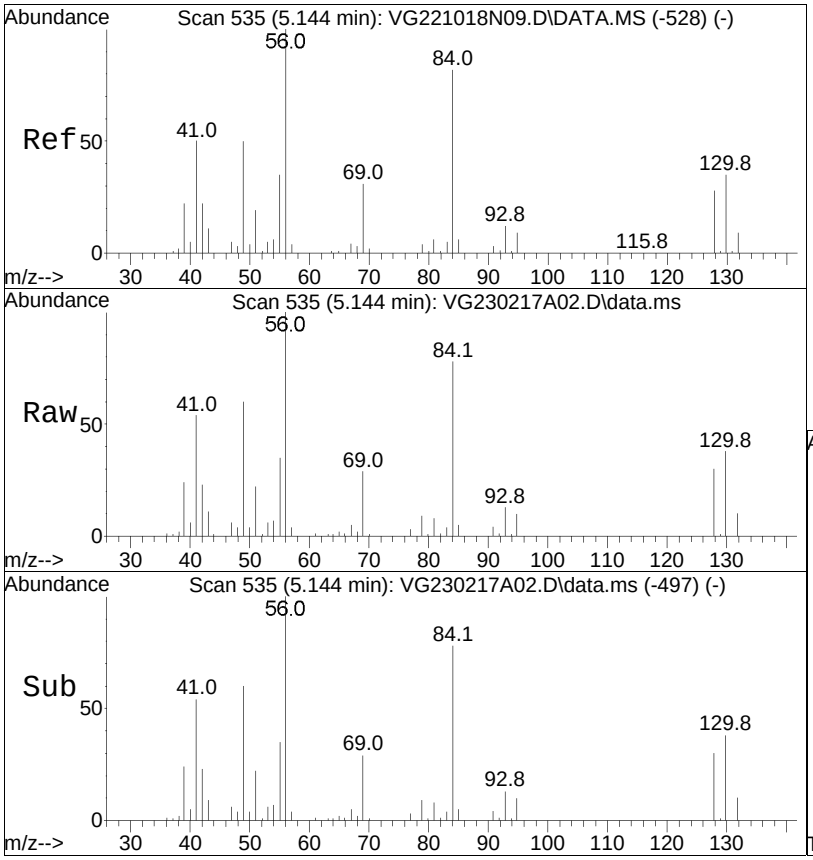


#29
2,2-Dichloropropane
Concen: 10.55 ug/L
RT: 5.045 min Scan# 522
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 77 Resp: 83874

Ion	Ratio	Lower	Upper
77	100		
41	55.5	38.1	79.1
79	31.0	20.6	42.8

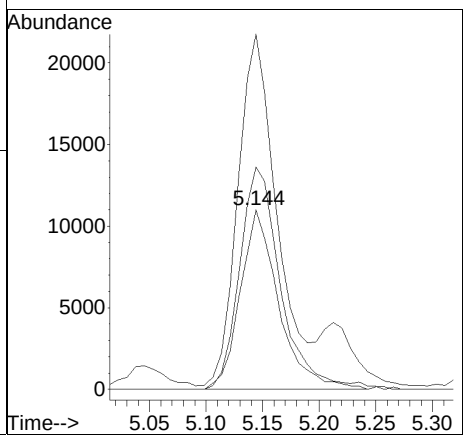


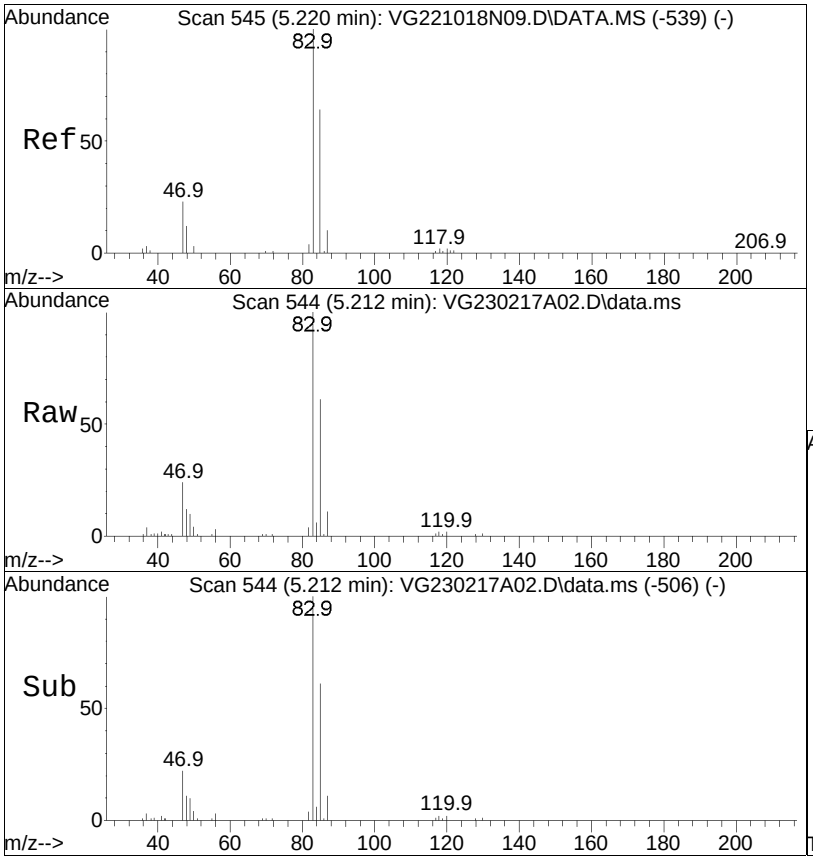


#30
Bromochloromethane
Concen: 10.22 ug/L
RT: 5.144 min Scan# 535
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:128 Resp: 26057

Ion	Ratio	Lower	Upper
128	100		
49	194.7	112.7	169.1#
130	132.1	103.3	154.9

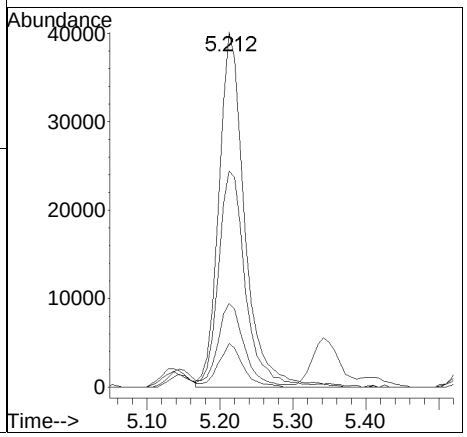


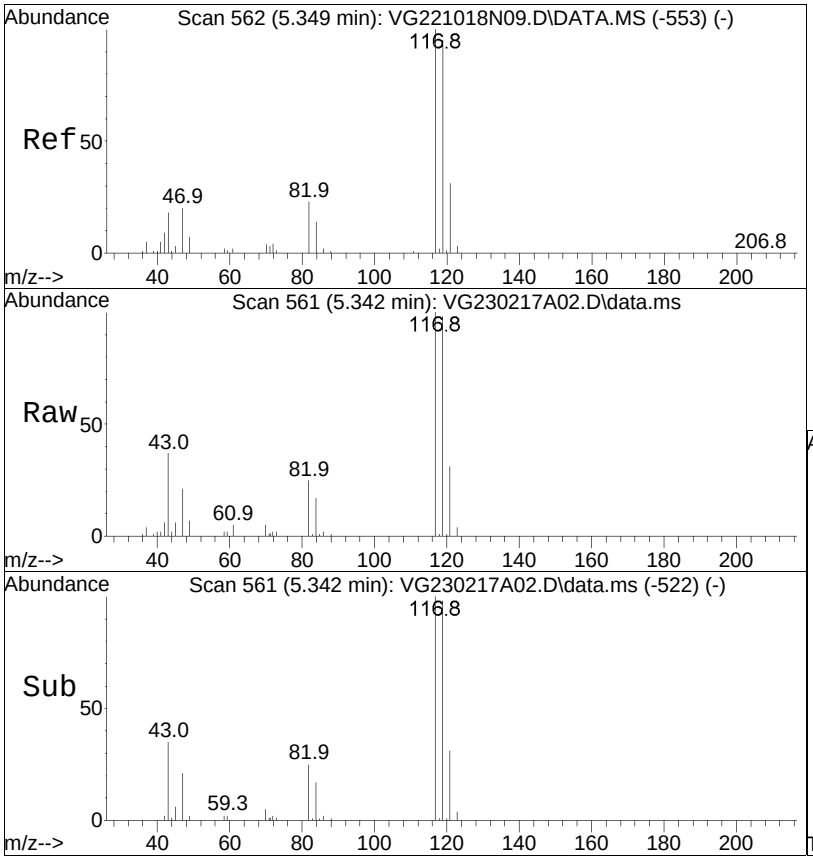


#32
Chloroform
Concen: 10.71 ug/L
RT: 5.212 min Scan# 544
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 83 Resp: 99939

Ion	Ratio	Lower	Upper
83	100		
85	61.7	41.4	86.0
47	21.8	15.1	31.3
48	11.7	7.7	16.1

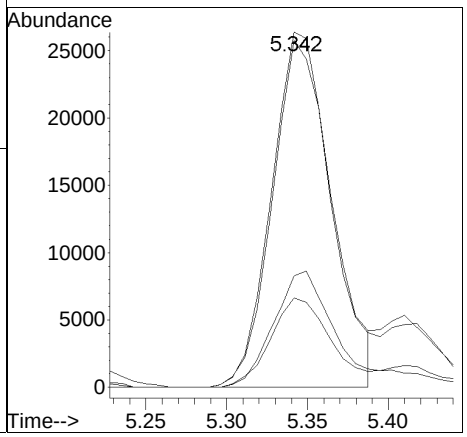


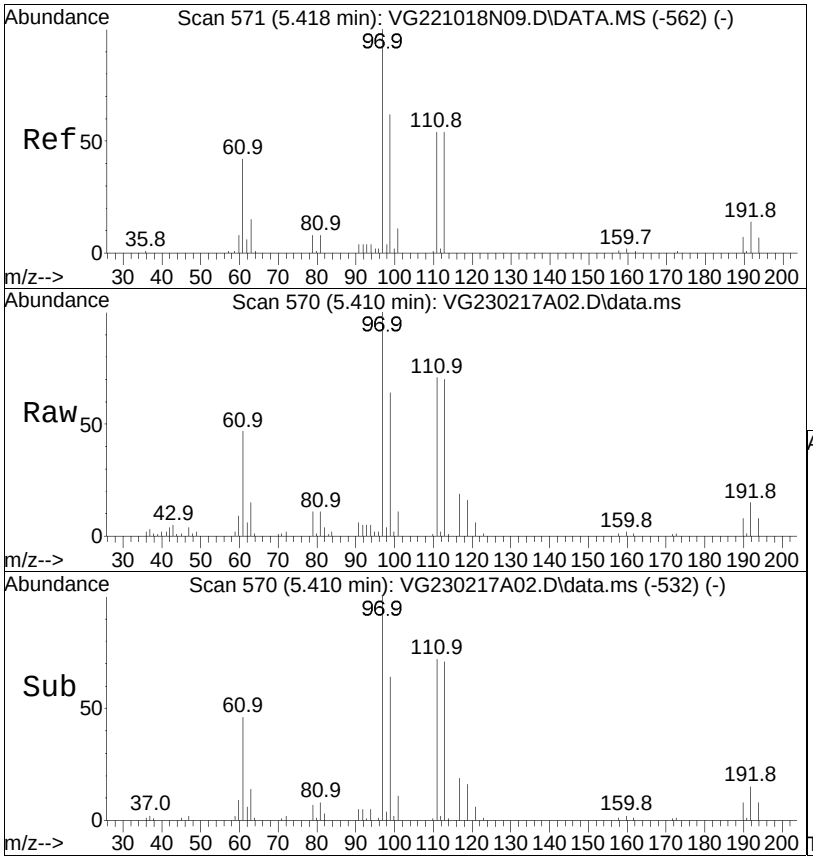


#34
Carbon tetrachloride
Concen: 9.72 ug/L
RT: 5.342 min Scan# 561
Delta R.T. -0.007 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:117 Resp: 68385

Ion	Ratio	Lower	Upper
117	100		
119	98.1	63.2	131.2
121	32.6	20.4	42.4
82	30.1	15.4	32.0

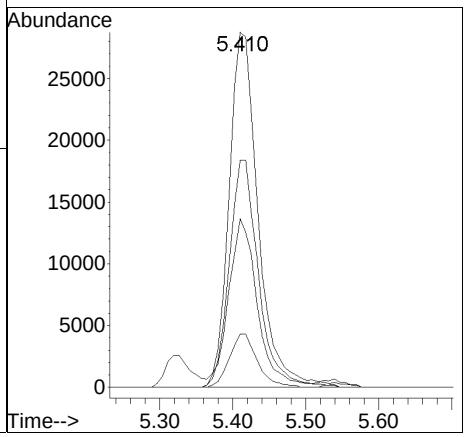


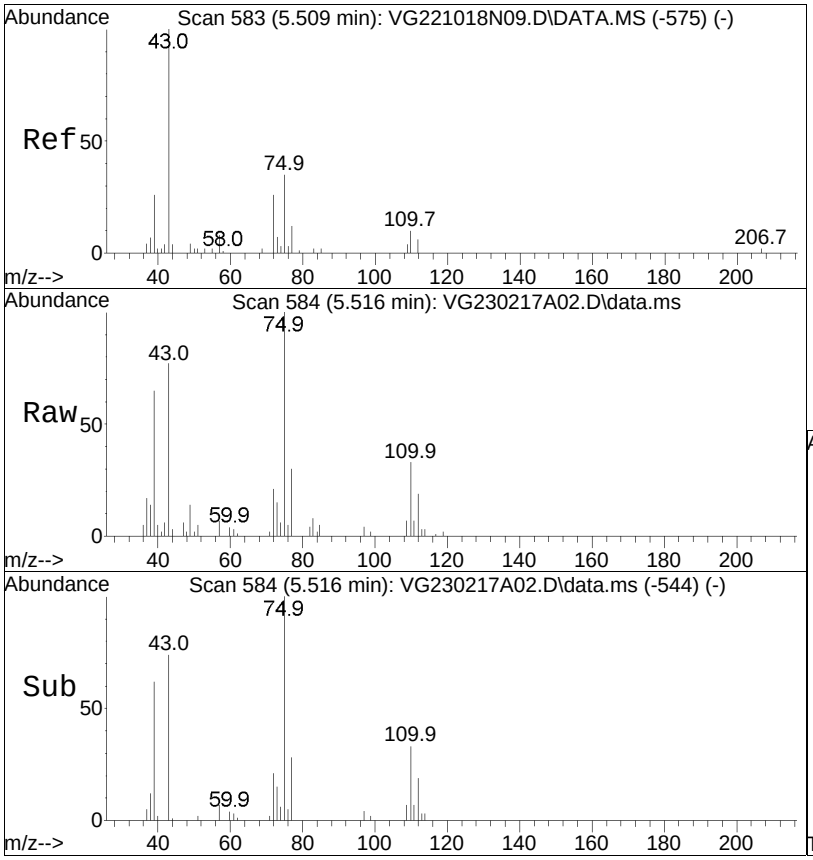


#37
1,1,1-Trichloroethane
Concen: 9.97 ug/L
RT: 5.410 min Scan# 570
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 97 Resp: 80186

Ion	Ratio	Lower	Upper
97	100		
99	64.2	41.3	85.7
61	46.6	26.0	54.0
63	14.4	8.6	18.0

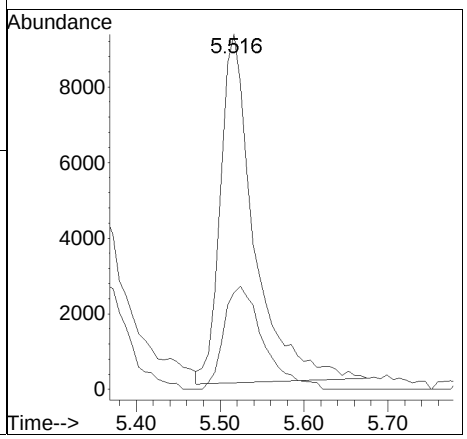


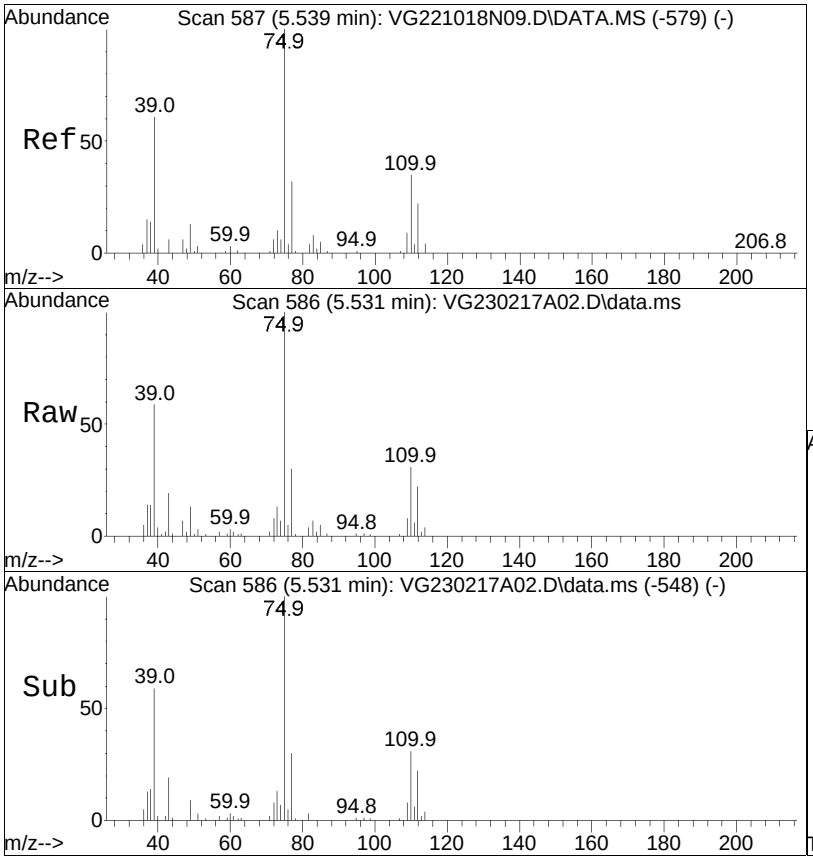


#39
2-Butanone
Concen: 10.07 ug/L
RT: 5.516 min Scan# 584
Delta R.T. 0.000 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 43 Resp: 25930

Ion	Ratio	Lower	Upper
43	100		
72	34.7	42.6	63.8#

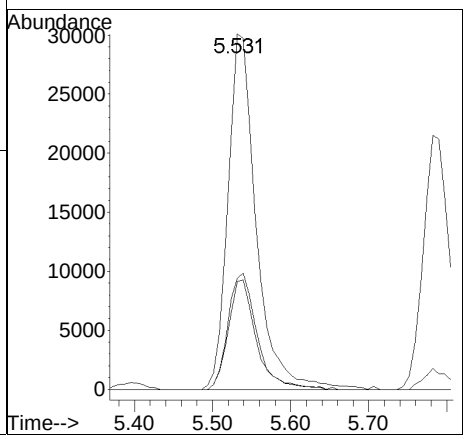


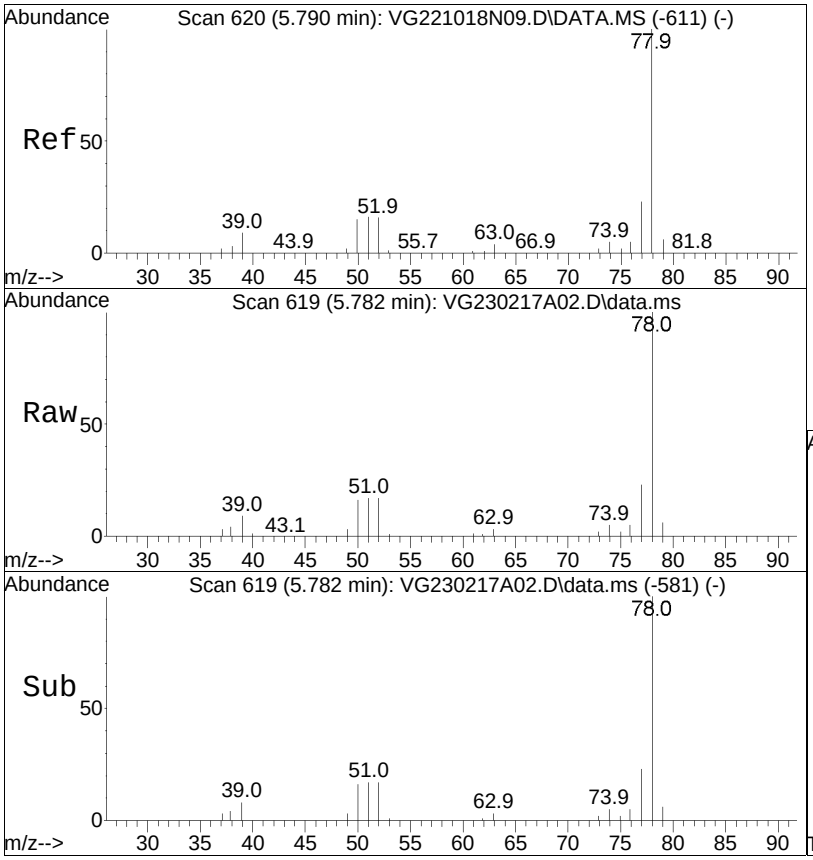


#40
1,1-Dichloropropene
Concen: 10.47 ug/L
RT: 5.531 min Scan# 586
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 75 Resp: 76141

Ion	Ratio	Lower	Upper
75	100		
110	33.5	24.1	50.1
77	30.5	19.8	41.0

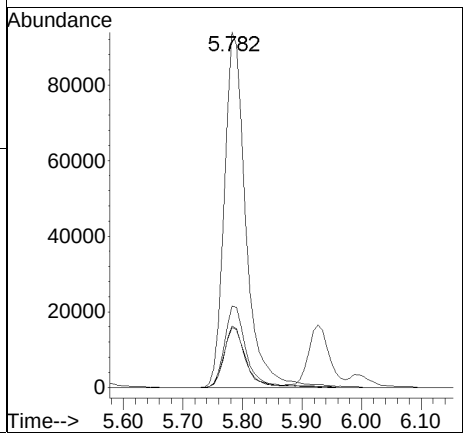


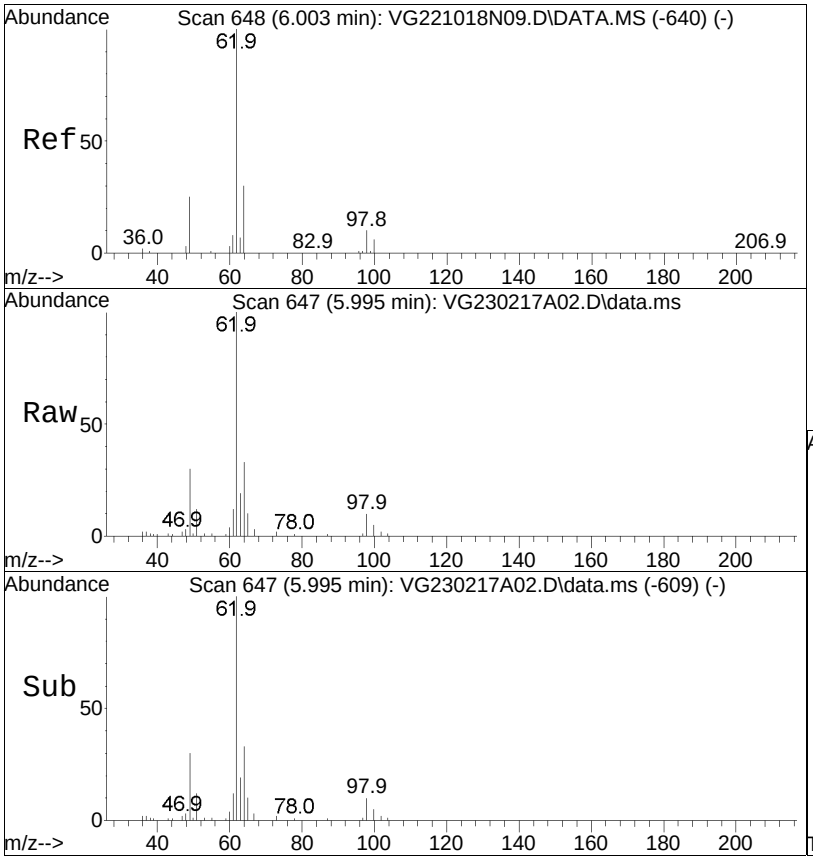


#41
Benzene
Concen: 10.71 ug/L
RT: 5.782 min Scan# 619
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 78 Resp: 236361

Ion	Ratio	Lower	Upper
78	100		
77	23.0	15.5	32.1
51	16.8	9.9	20.7
52	17.1	9.2	19.2

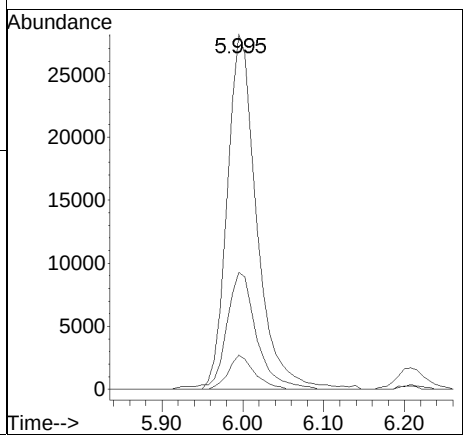


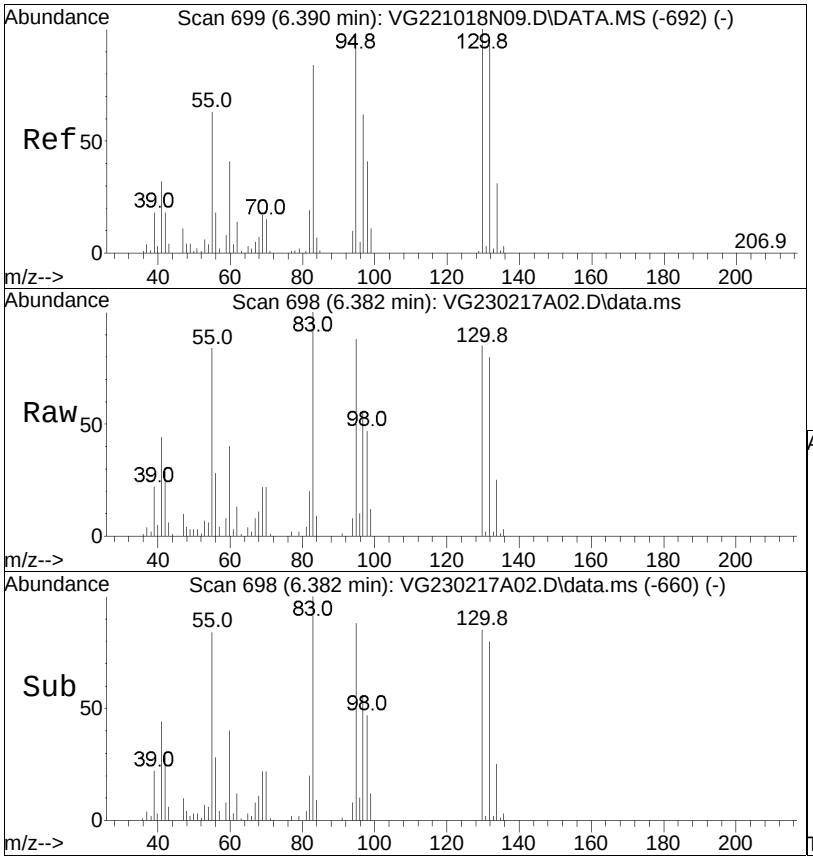


#44
1,2-Dichloroethane
Concen: 10.79 ug/L
RT: 5.995 min Scan# 647
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 62 Resp: 71722

Ion	Ratio	Lower	Upper
62	100		
64	33.7	11.9	51.9
98	8.6	0.0	29.3

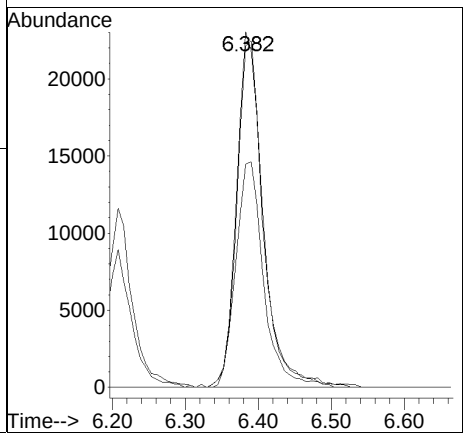


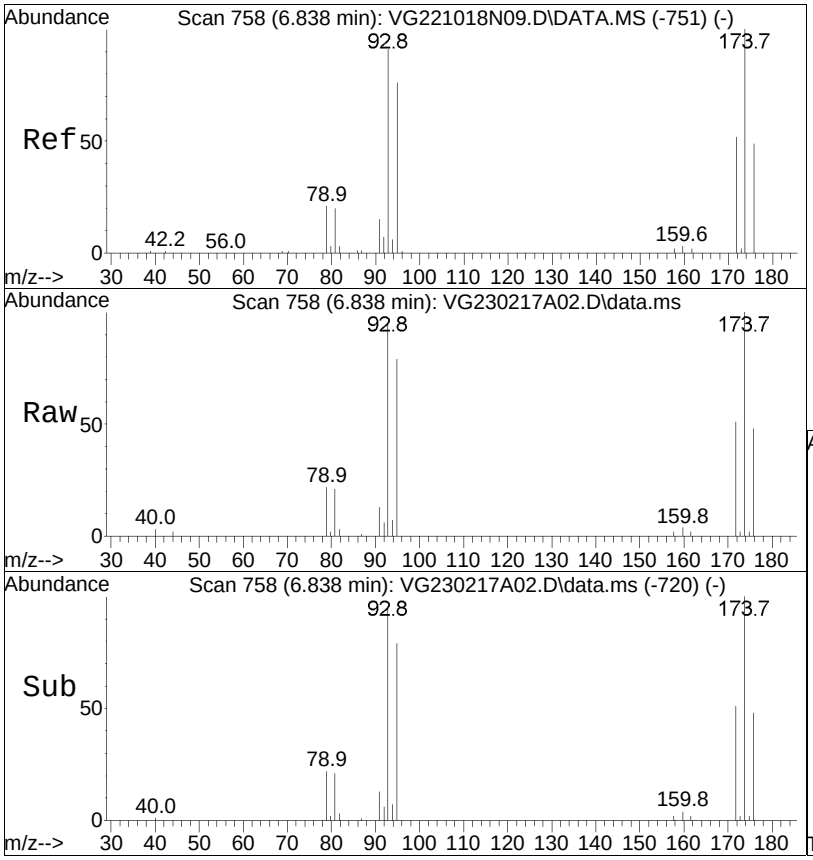


#48
Trichloroethene
Concen: 9.60 ug/L
RT: 6.382 min Scan# 698
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 95 Resp: 58275

Ion	Ratio	Lower	Upper
95	100		
97	67.1	54.0	81.0
130	98.0	85.0	127.4

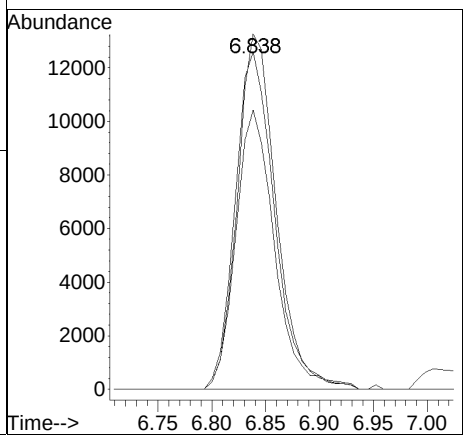


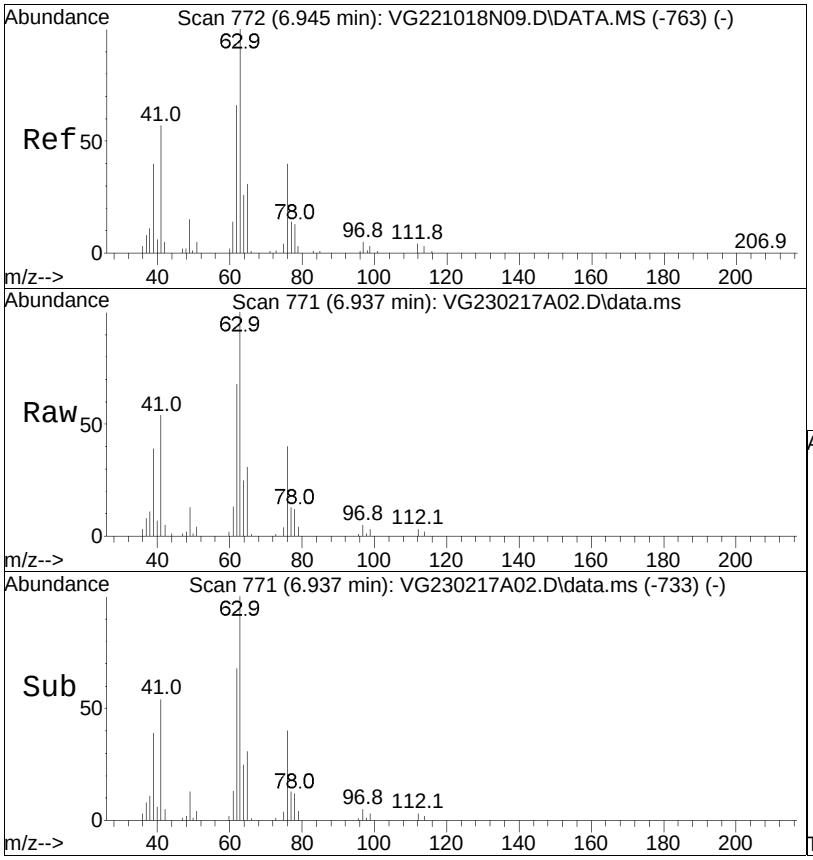


#50
Dibromomethane
Concen: 10.83 ug/L
RT: 6.838 min Scan# 758
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 93 Resp: 32274

Ion	Ratio	Lower	Upper
93	100		
95	81.2	66.6	100.0
174	103.6	90.5	135.7

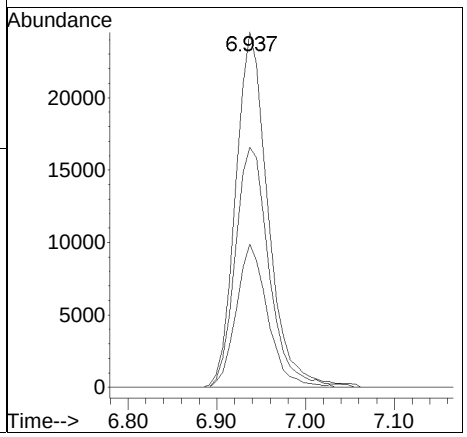


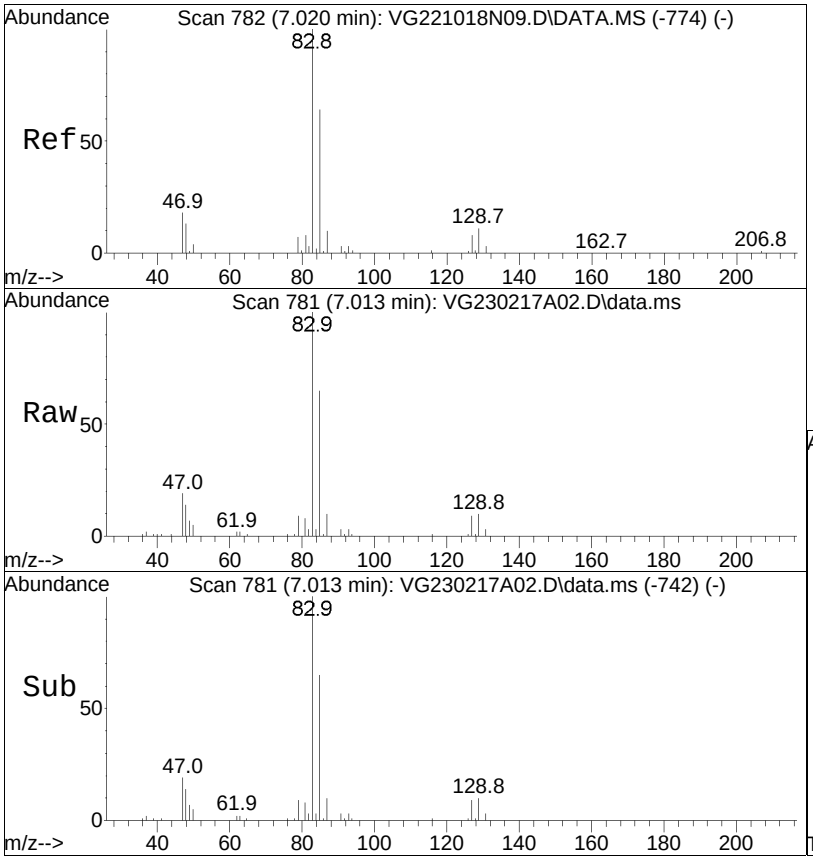


#51
1,2-Dichloropropane
Concen: 11.21 ug/L
RT: 6.937 min Scan# 771
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 63 Resp: 61308

Ion	Ratio	Lower	Upper
63	100		
62	70.5	56.5	84.7
76	39.4	34.6	52.0

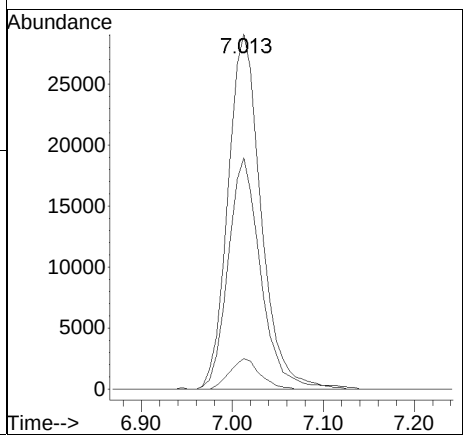


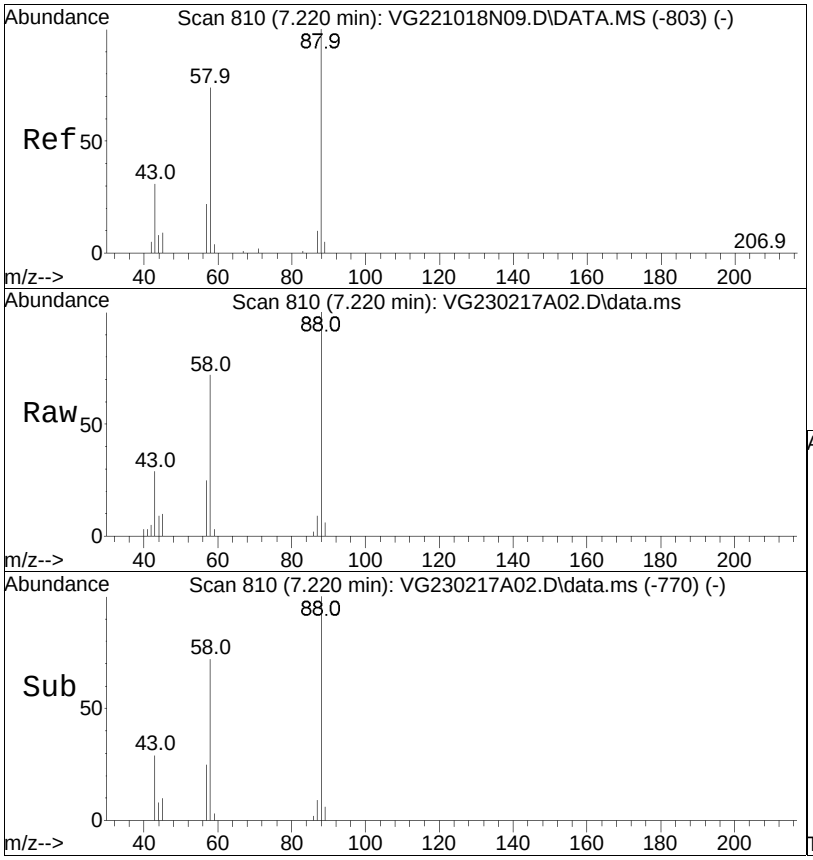


#54
Bromodichloromethane
Concen: 10.17 ug/L
RT: 7.013 min Scan# 781
Delta R.T. -0.007 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 83 Resp: 73753

Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.8	76.2
127	8.0	7.4	11.2

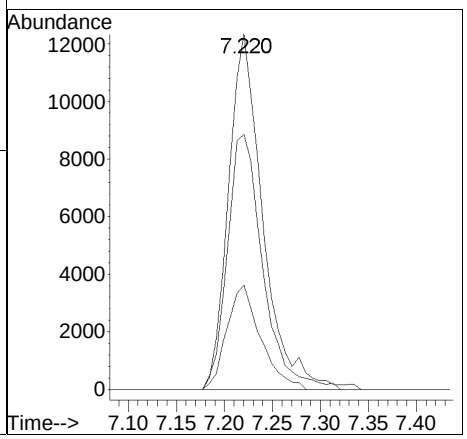


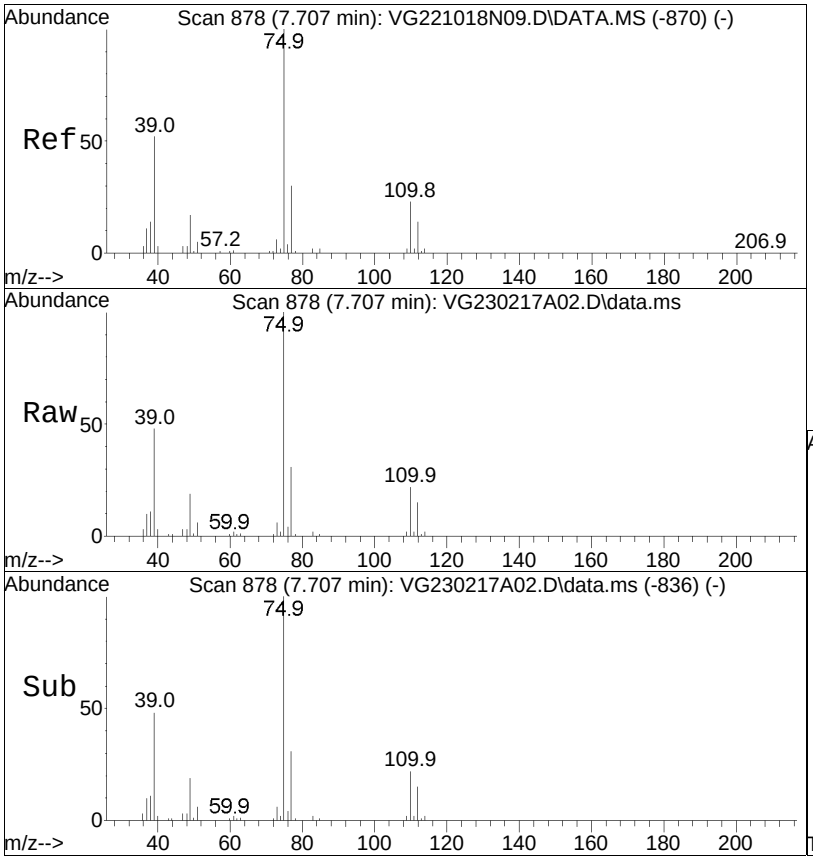


#57
1,4-Dioxane
Concen: 586.96 ug/L
RT: 7.220 min Scan# 810
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 88 Resp: 30810

Ion	Ratio	Lower	Upper
88	100		
58	73.7	48.7	73.1#
43	28.9	22.4	33.6

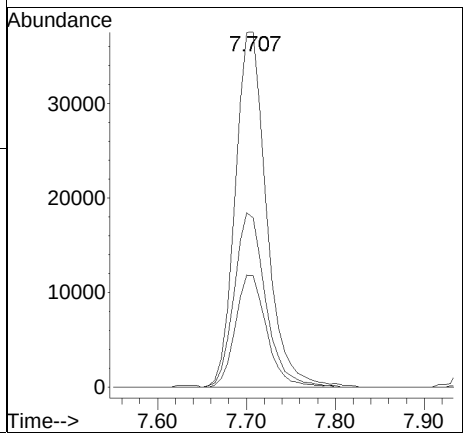


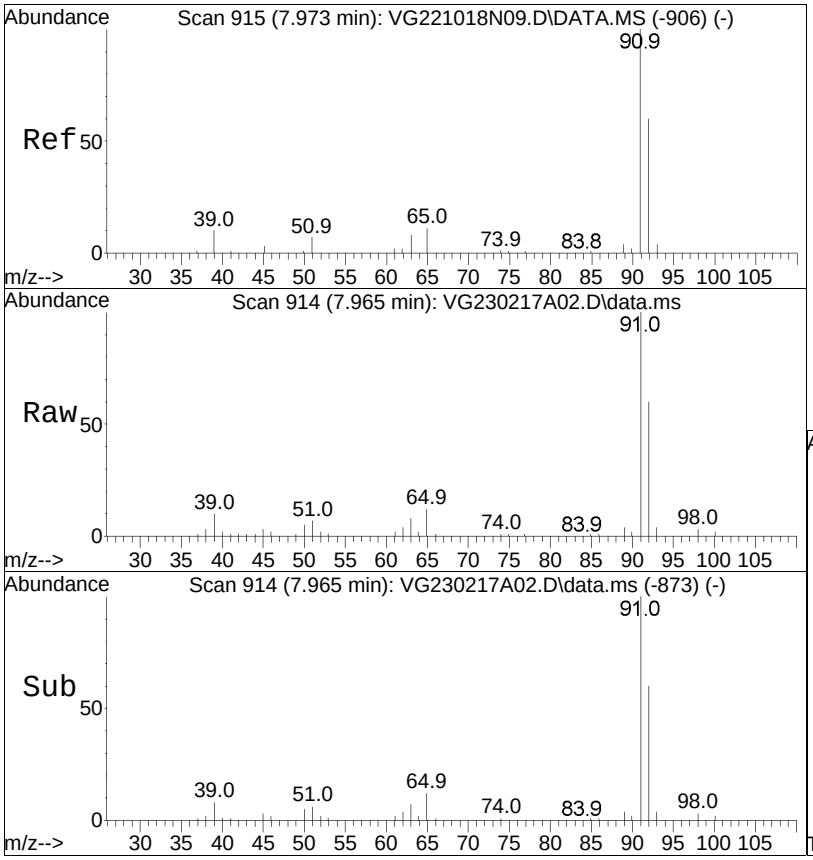


#58
cis-1,3-Dichloropropene
Concen: 10.37 ug/L
RT: 7.707 min Scan# 878
Delta R.T. 0.000 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 75 Resp: 92369

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	36.8
39	49.6	40.8	61.2

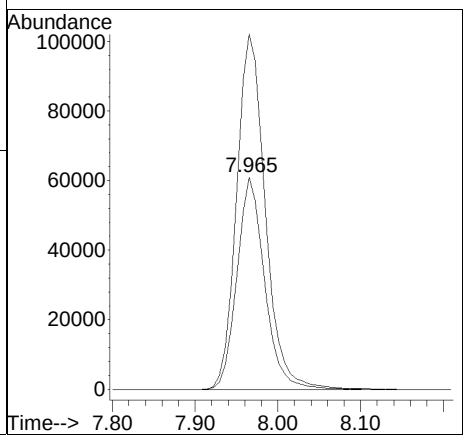


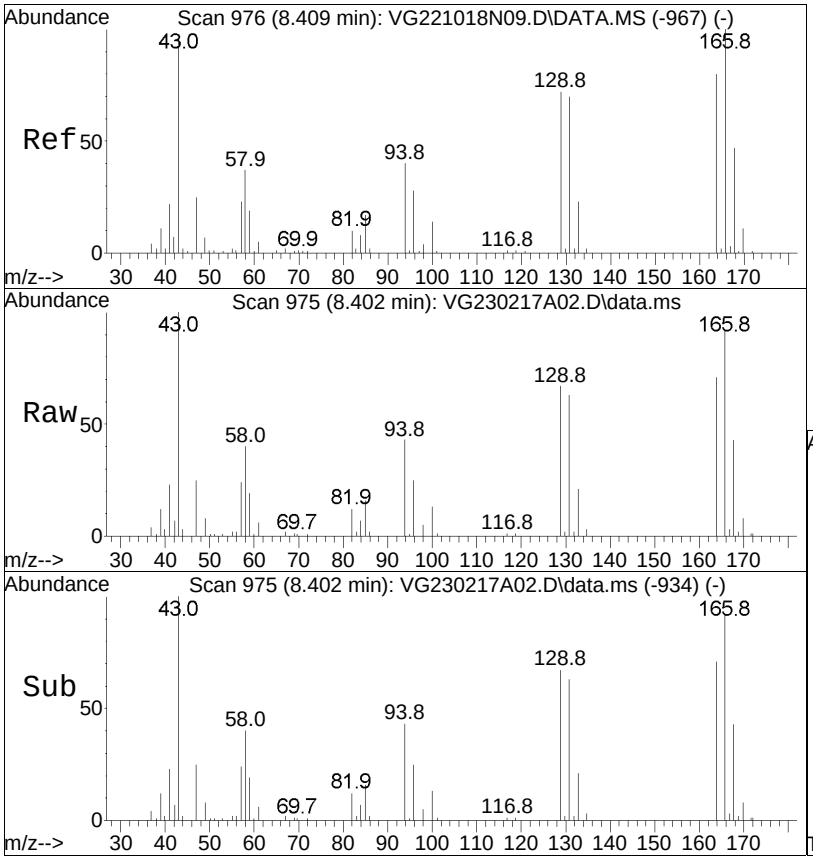


#61
Toluene
Concen: 10.67 ug/L
RT: 7.965 min Scan# 914
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 92 Resp: 141516

Ion	Ratio	Lower	Upper
92	100		
91	173.5	134.8	202.2

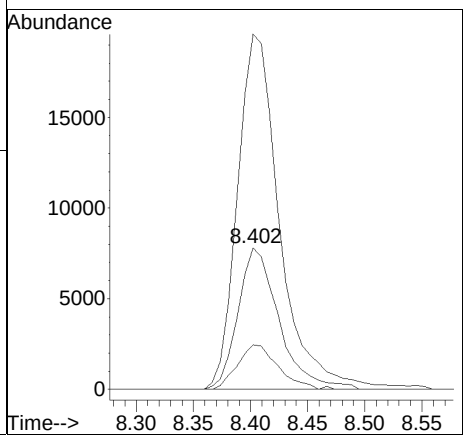


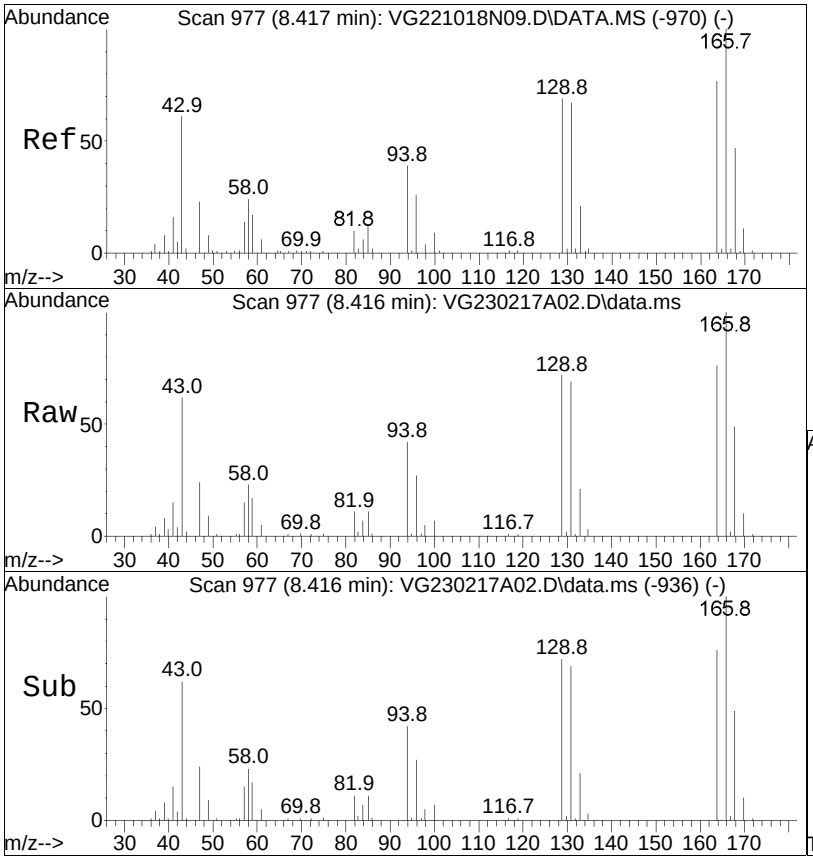


#62
4-Methyl-2-pentanone
Concen: 10.09 ug/L
RT: 8.402 min Scan# 975
Delta R.T. -0.007 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 58 Resp: 19508

Ion	Ratio	Lower	Upper
58	100		
100	31.5	33.6	50.4#
43	259.7	204.3	306.5

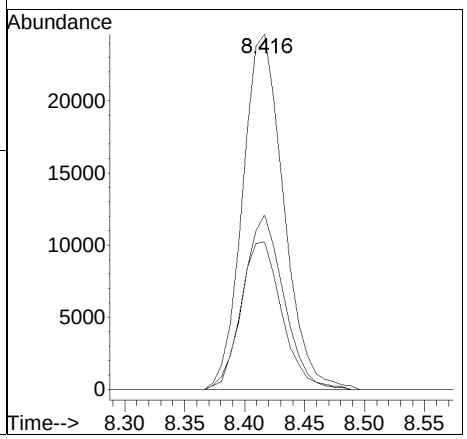


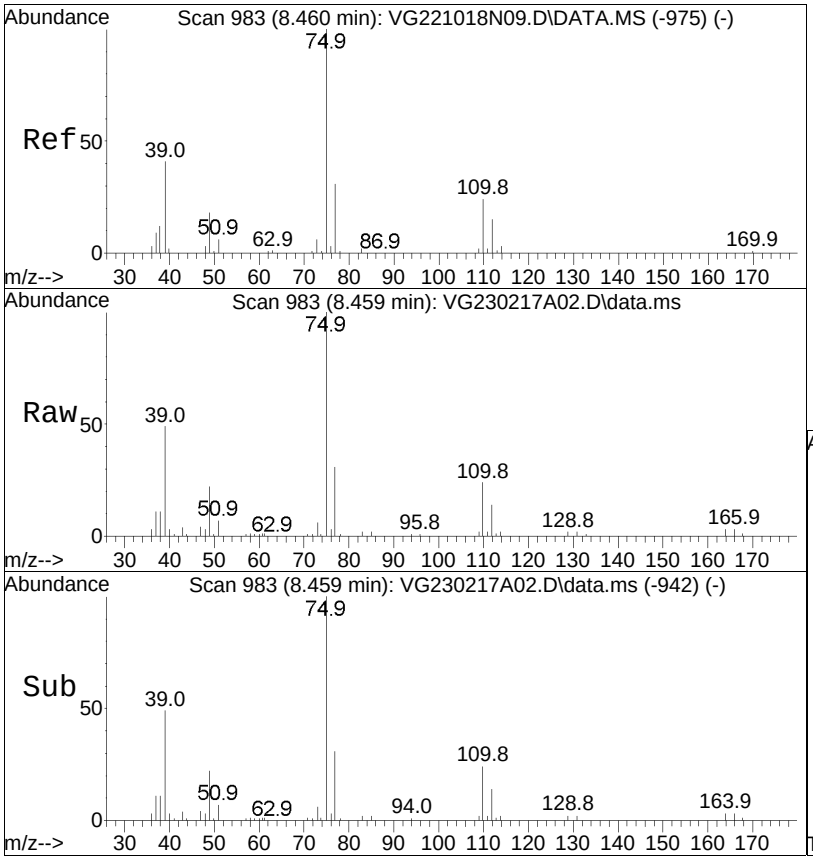


#63
Tetrachloroethene
Concen: 9.90 ug/L
RT: 8.416 min Scan# 977
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:166 Resp: 58563

Ion	Ratio	Lower	Upper
166	100		
168	48.2	27.3	67.3
94	41.8	20.5	60.5

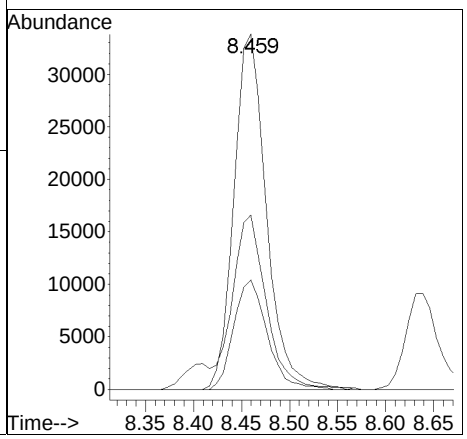


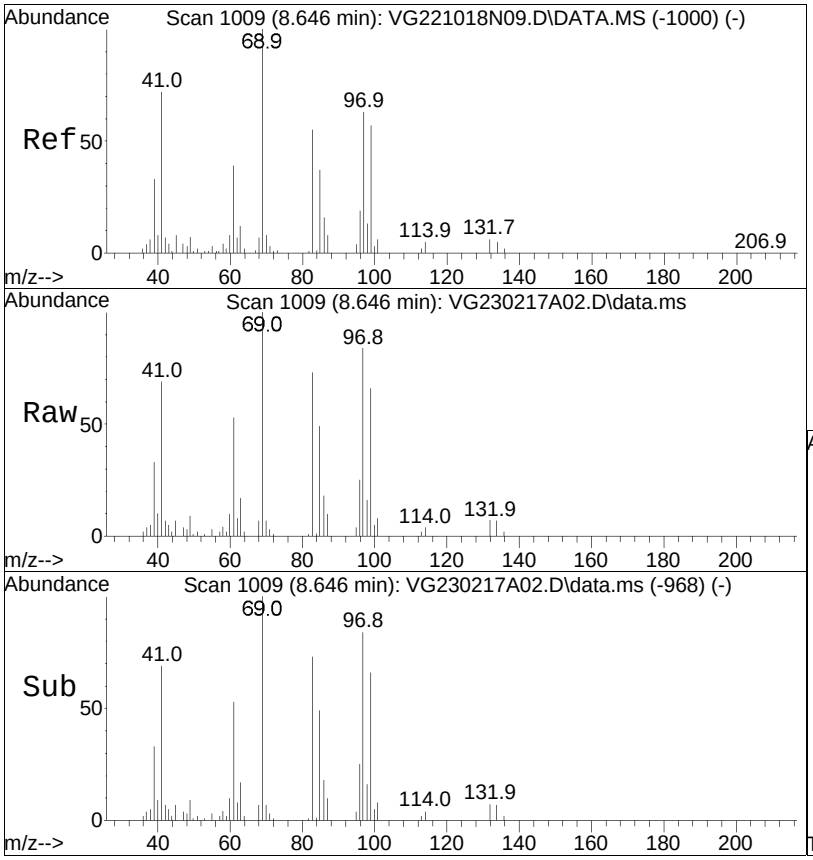


#65
trans-1,3-Dichloropropene
Concen: 10.59 ug/L
RT: 8.459 min Scan# 983
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 75 Resp: 79788

Ion	Ratio	Lower	Upper
75	100		
77	31.7	11.3	51.3
39	57.0	36.0	76.0

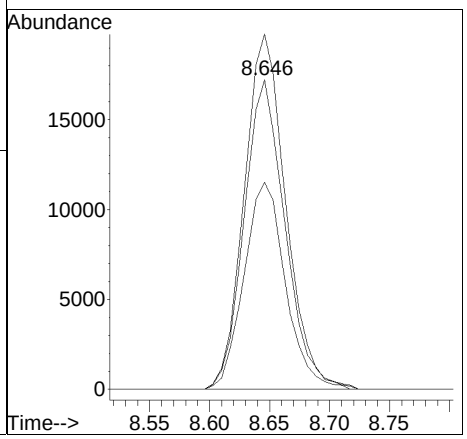


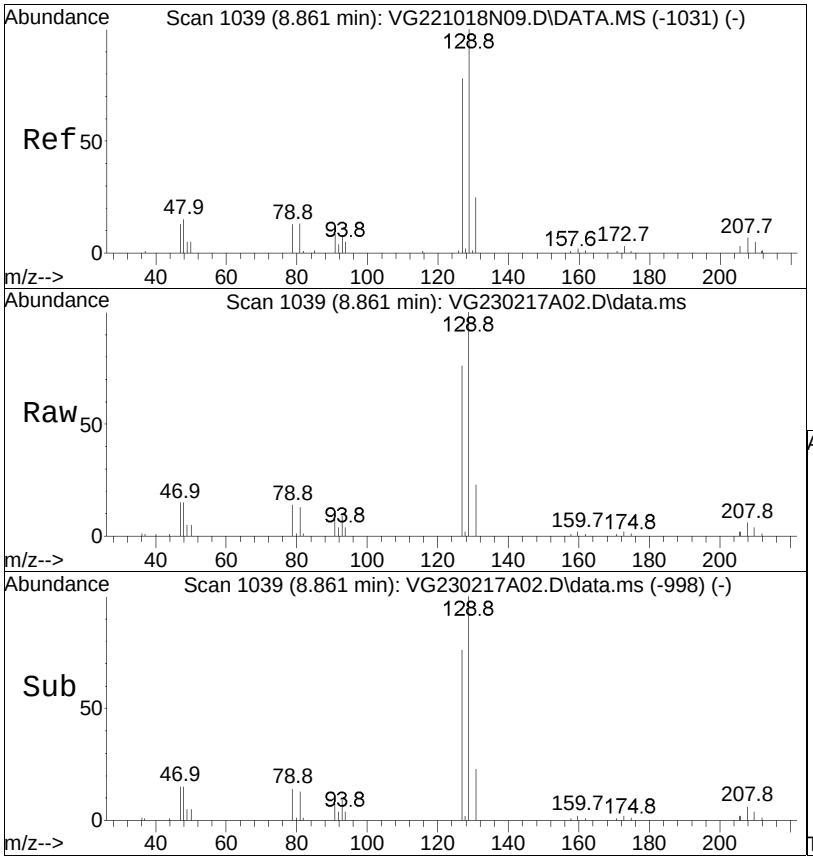


#68
1,1,2-Trichloroethane
Concen: 10.44 ug/L
RT: 8.646 min Scan# 1009
Delta R.T. -0.007 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 83 Resp: 40880

Ion	Ratio	Lower	Upper
83	100		
97	116.6	101.0	141.0
85	67.9	47.9	87.9

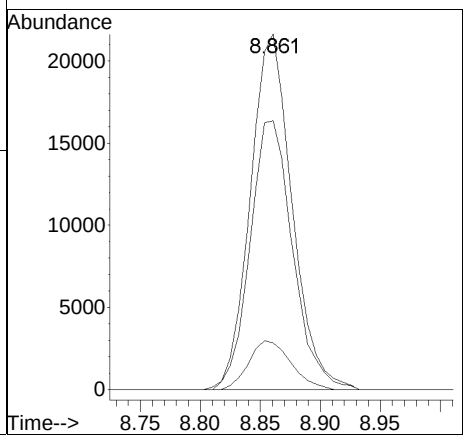


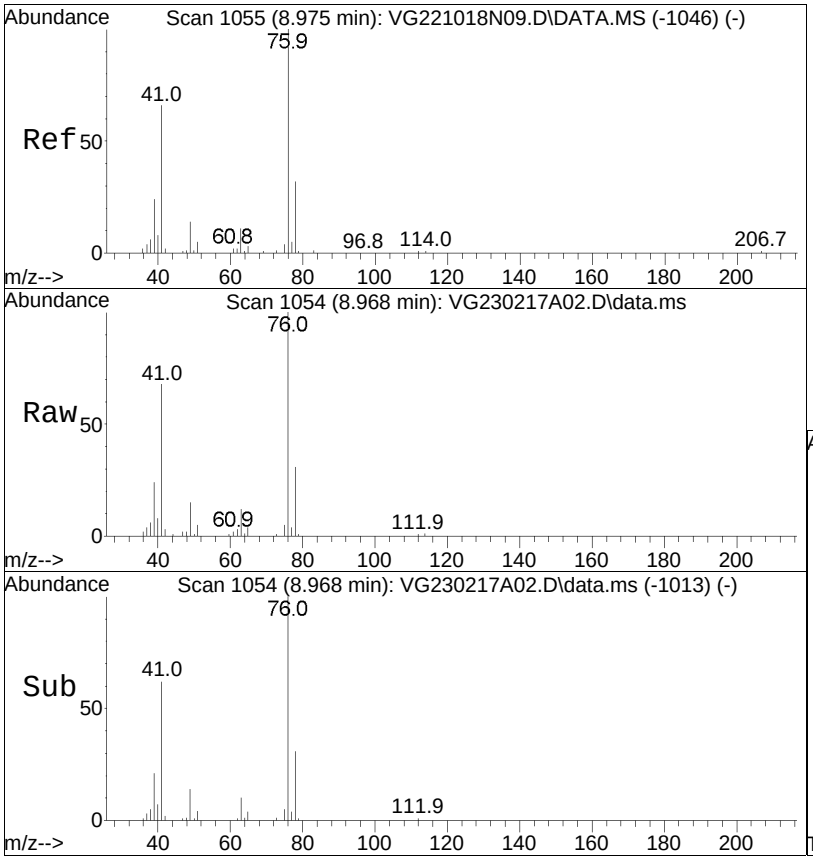


#69
Chlorodibromomethane
Concen: 10.35 ug/L
RT: 8.861 min Scan# 1039
Delta R.T. -0.007 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:129 Resp: 52302

Ion	Ratio	Lower	Upper
129	100		
81	13.8	0.0	35.0
127	77.1	57.1	97.1

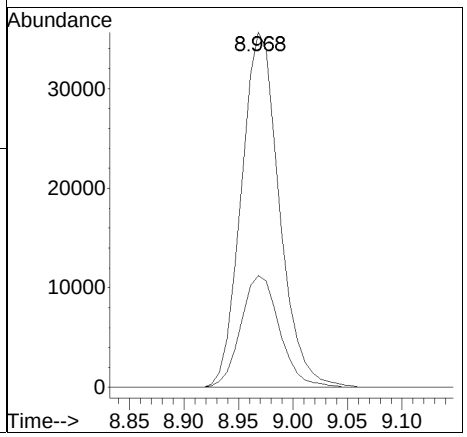


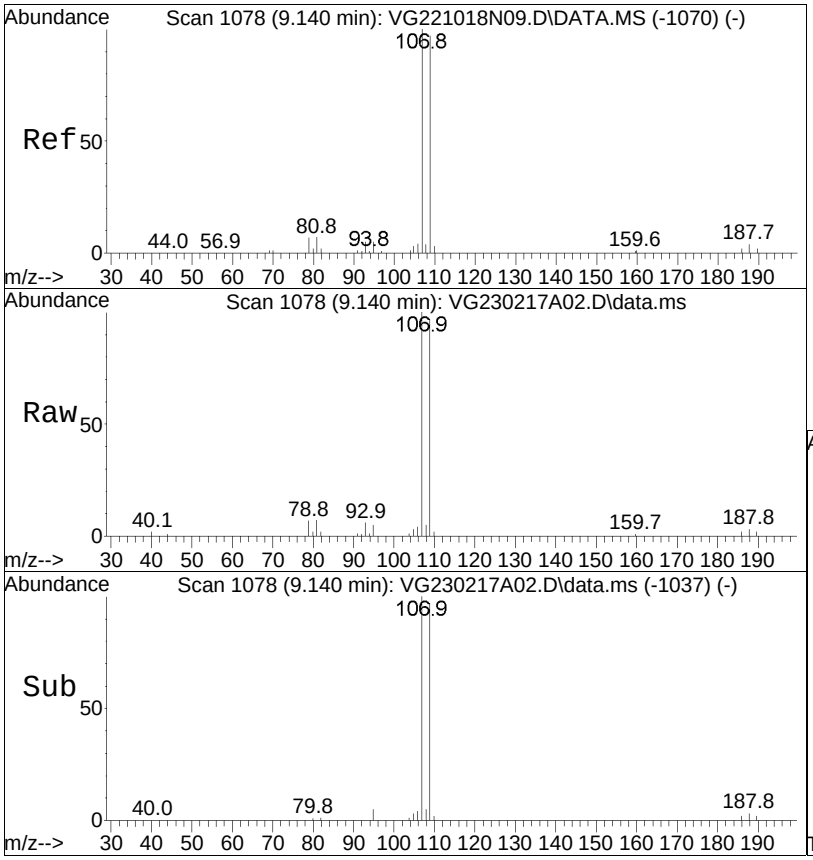


#70
1,3-Dichloropropane
Concen: 11.43 ug/L
RT: 8.968 min Scan# 1054
Delta R.T. -0.007 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 76 Resp: 86527

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.4	38.2

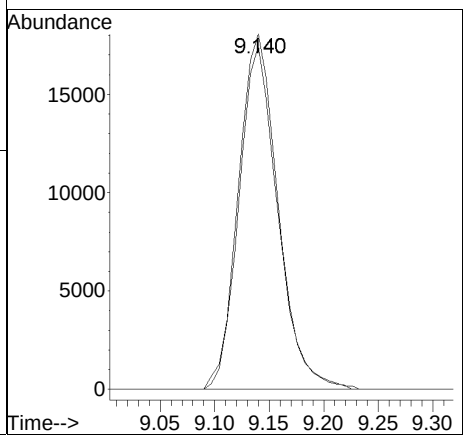


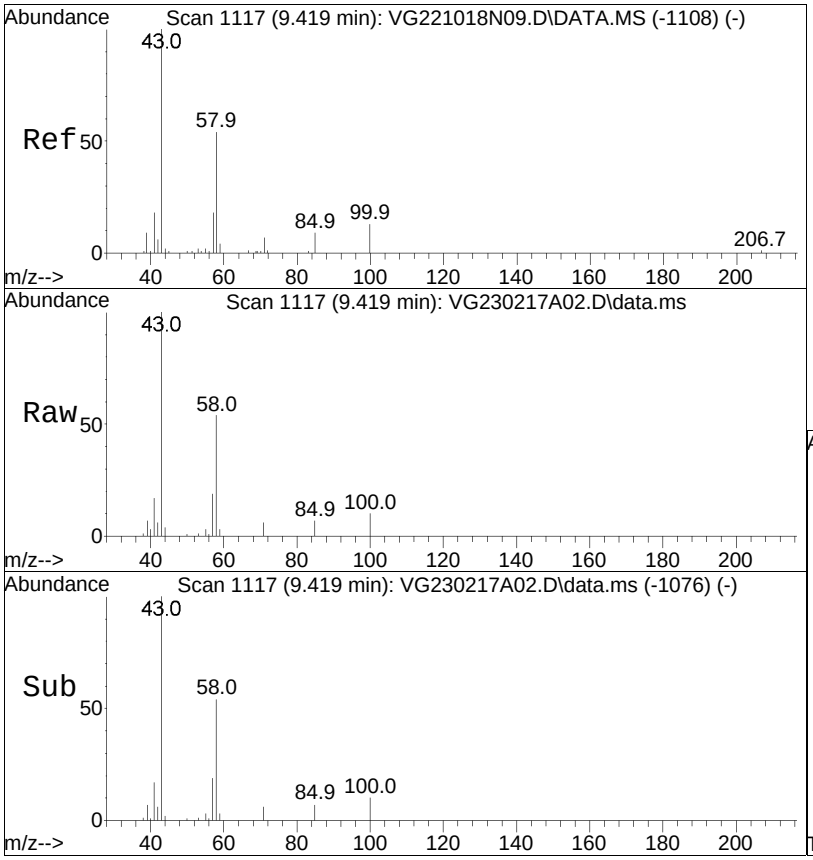


#71
1,2-Dibromoethane
Concen: 10.57 ug/L
RT: 9.140 min Scan# 1078
Delta R.T. -0.007 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:107 Resp: 45966

Ion	Ratio	Lower	Upper
107	100		
109	93.9	76.0	114.0

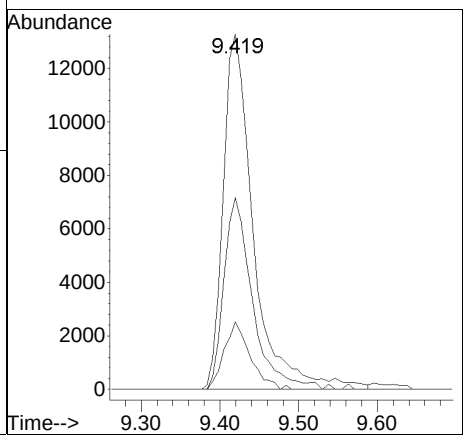


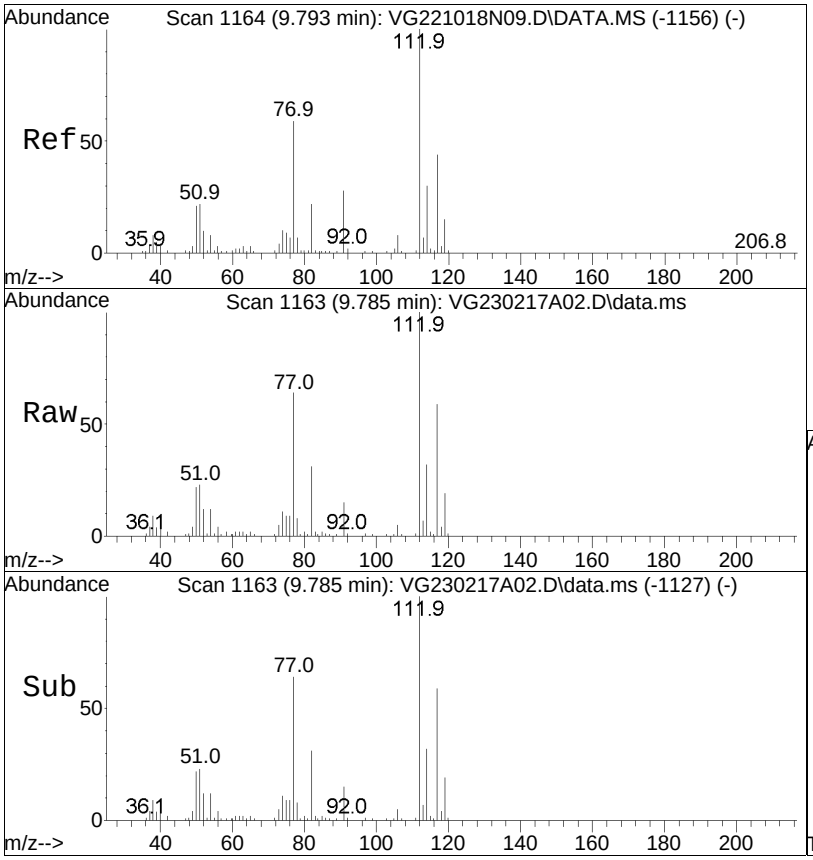


#72
2-Hexanone
Concen: 10.34 ug/L
RT: 9.419 min Scan# 1117
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 43 Resp: 37179

Ion	Ratio	Lower	Upper
43	100		
58	50.5	43.8	65.6
57	15.7	15.2	22.8

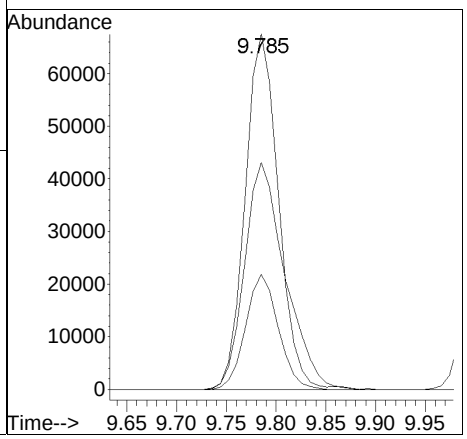


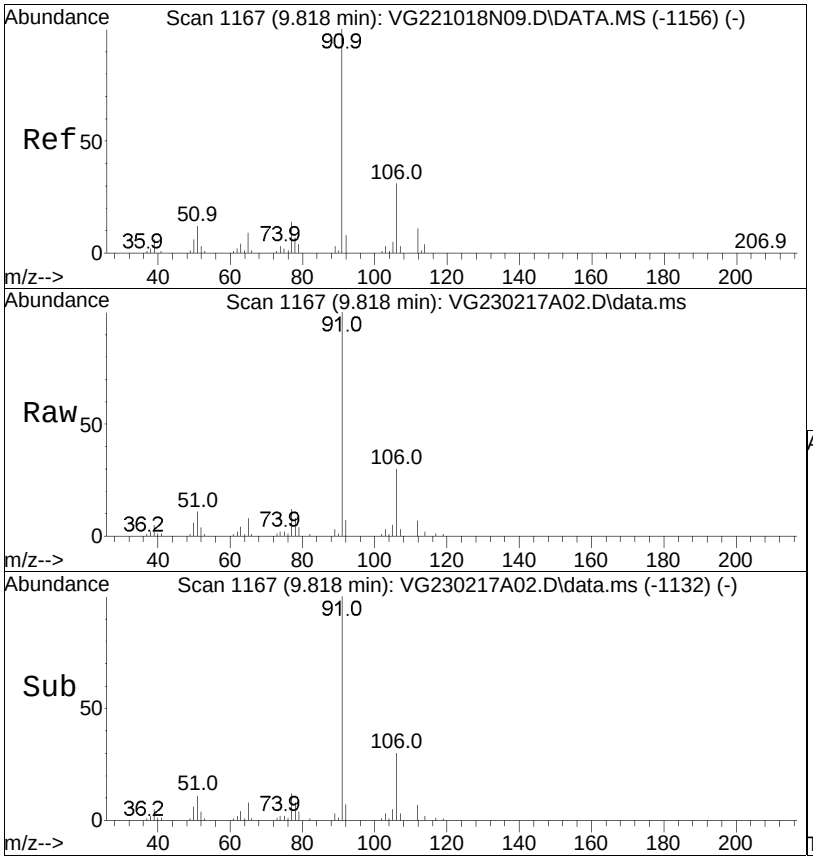


#73
Chlorobenzene
Concen: 10.92 ug/L
RT: 9.785 min Scan# 1163
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:112 Resp: 157009

Ion	Ratio	Lower	Upper
112	100		
77	77.6	55.9	83.9
114	31.8	25.4	38.0

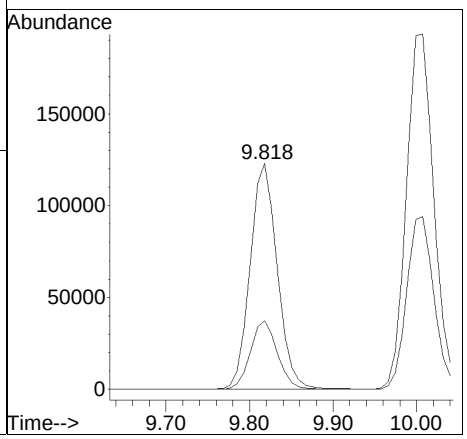


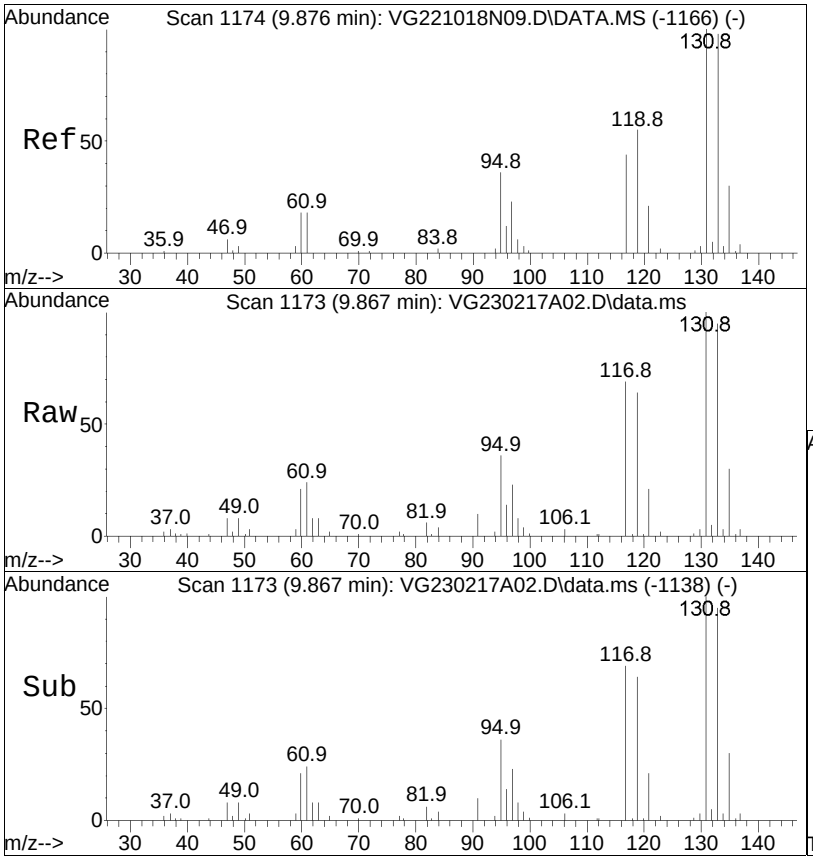


#74
Ethylbenzene
Concen: 10.72 ug/L
RT: 9.818 min Scan# 1167
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 91 Resp: 277965

Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.3	37.9

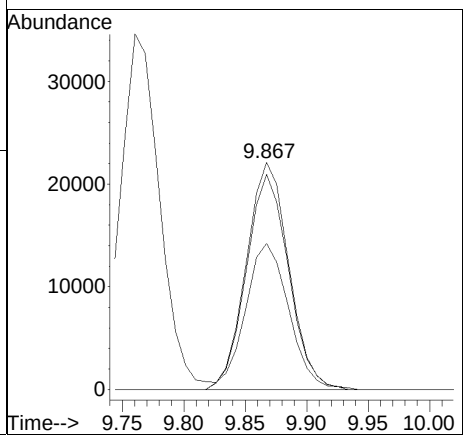


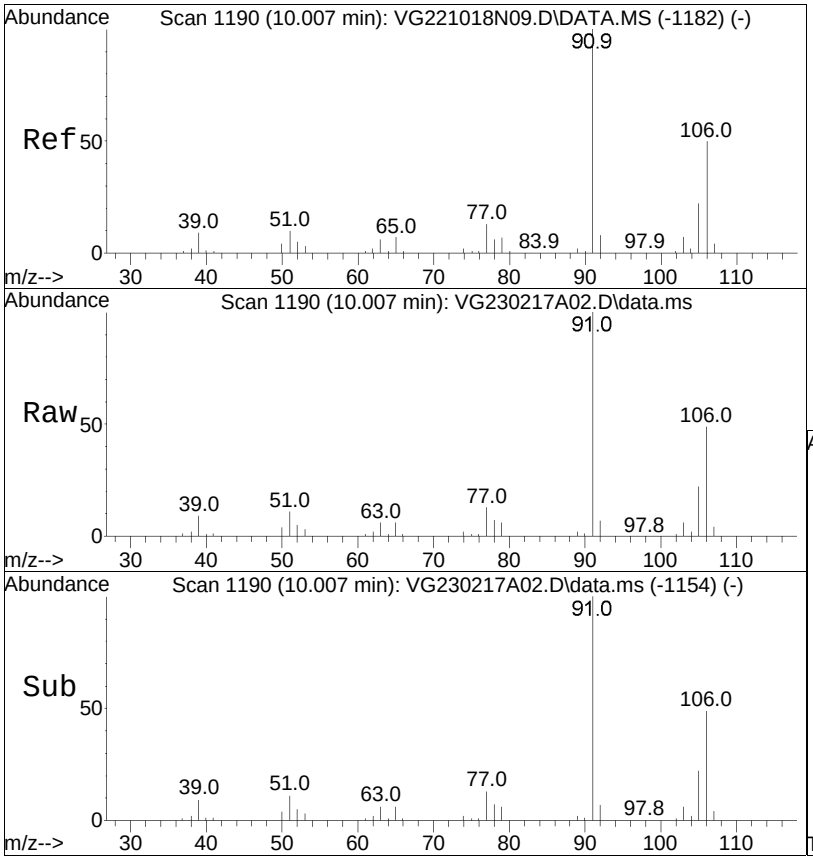


#75
1,1,1,2-Tetrachloroethane
Concen: 10.50 ug/L
RT: 9.867 min Scan# 1173
Delta R.T. -0.009 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:131 Resp: 53394

Ion	Ratio	Lower	Upper
131	100		
133	94.2	77.3	117.3
119	64.6	42.7	82.7

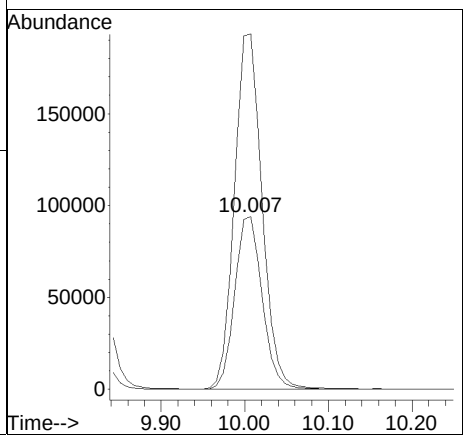


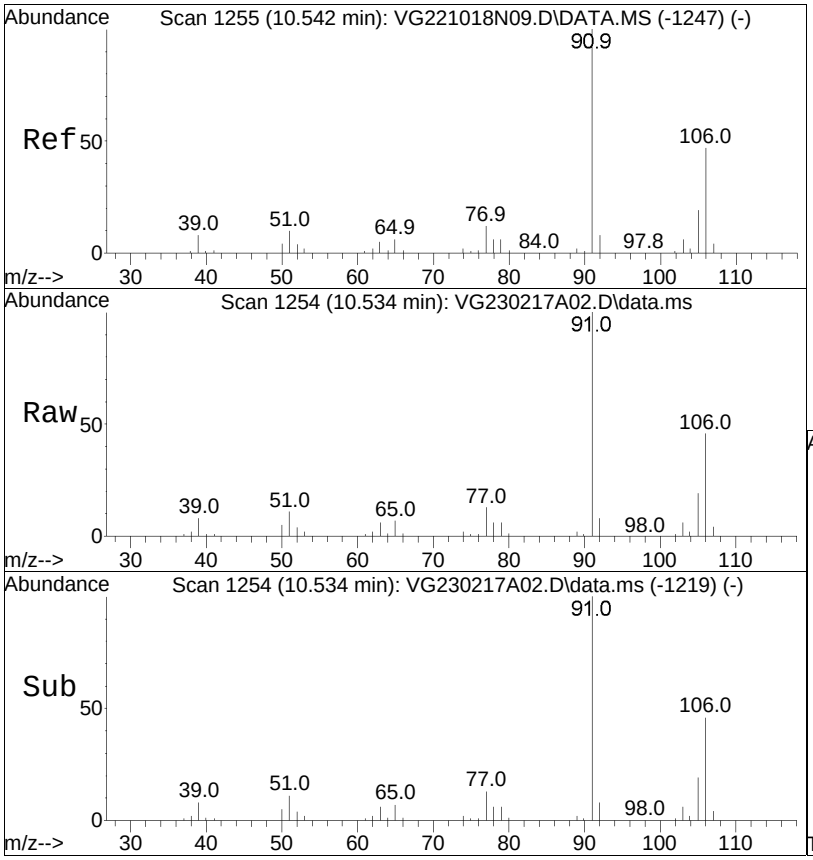


#76
p/m Xylene
Concen: 21.24 ug/L
RT: 10.007 min Scan# 1190
Delta R.T. 0.000 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:106 Resp: 215372

Ion	Ratio	Lower	Upper
106	100		
91	206.8	157.1	235.7

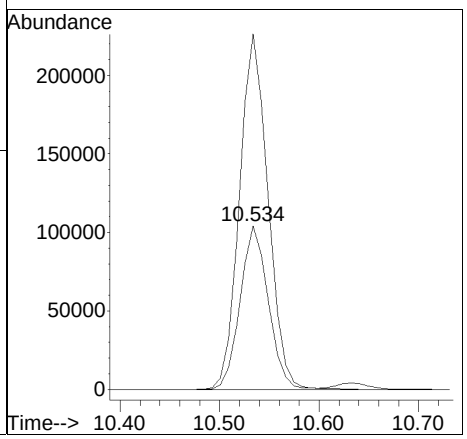


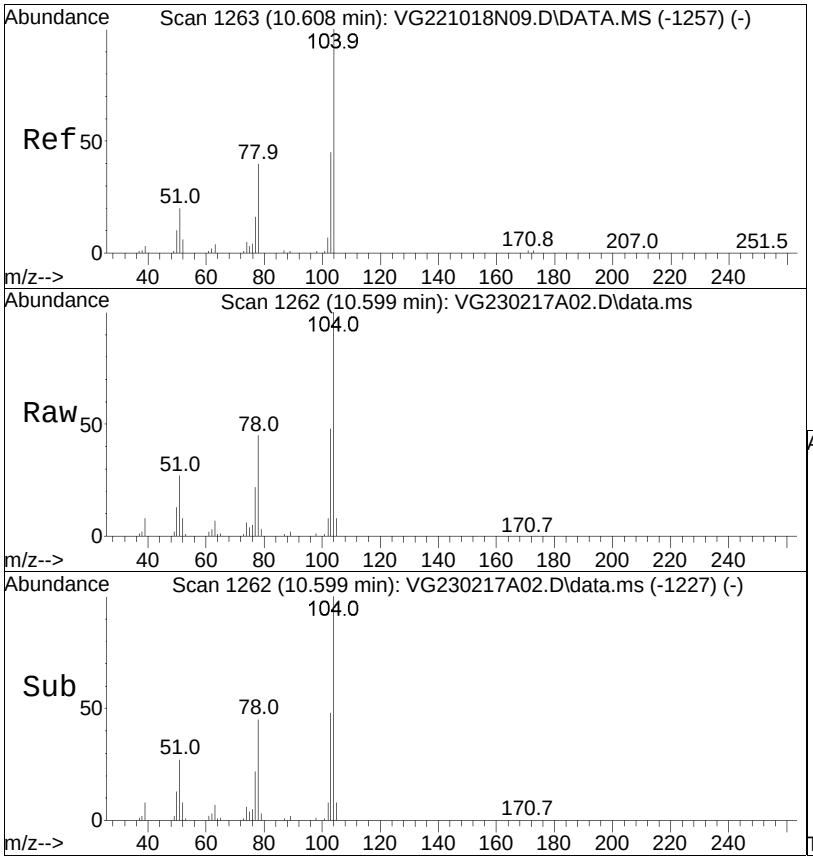


#77
o Xylene
Concen: 21.35 ug/L
RT: 10.534 min Scan# 1254
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:106 Resp: 205227

Ion	Ratio	Lower	Upper
106	100		
91	218.8	164.7	247.1

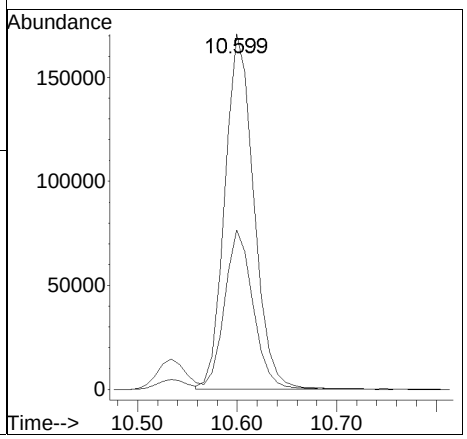


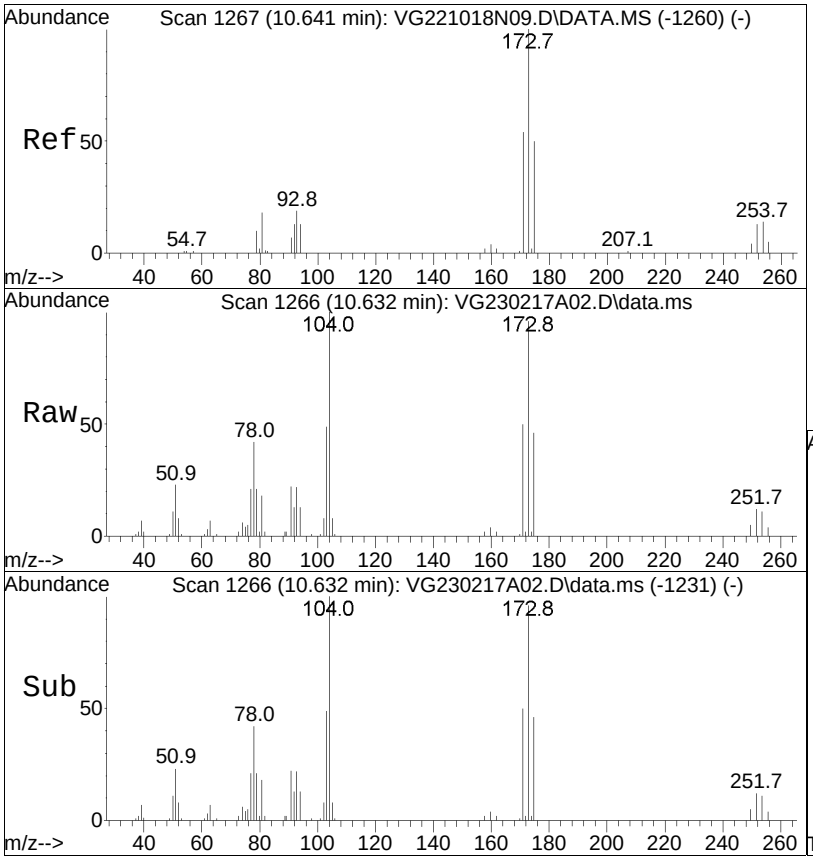


#78
Styrene
Concen: 21.97 ug/L
RT: 10.599 min Scan# 1262
Delta R.T. -0.009 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:104 Resp: 345606

Ion	Ratio	Lower	Upper
104	100		
78	44.1	32.2	48.4

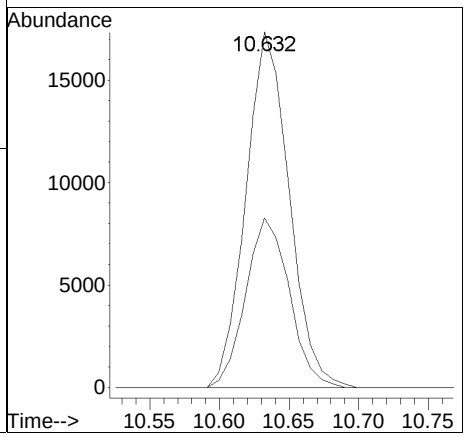


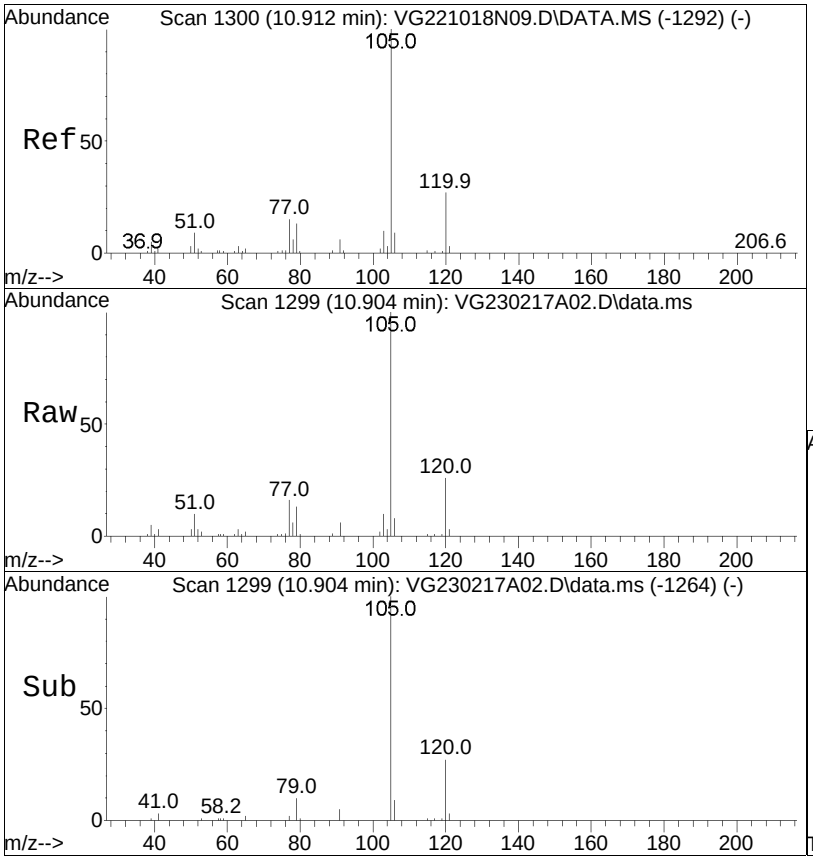


#80
Bromoform
Concen: 10.30 ug/L
RT: 10.632 min Scan# 1266
Delta R.T. -0.009 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:173 Resp: 37467

Ion	Ratio	Lower	Upper
173	100		
175	48.0	28.0	68.0

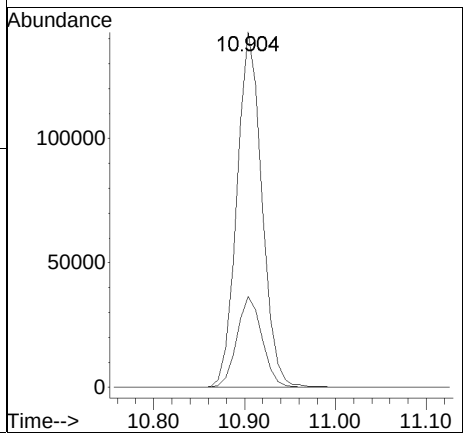


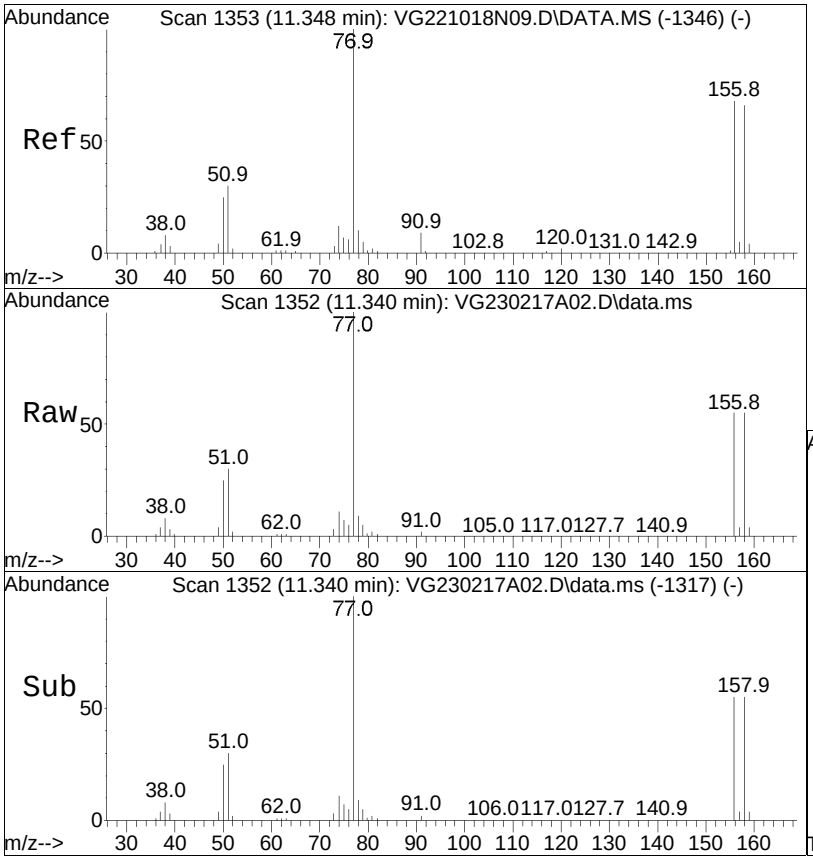


#82
Isopropylbenzene
Concen: 10.70 ug/L
RT: 10.904 min Scan# 1299
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:105 Resp: 272987

Ion	Ratio	Lower	Upper
105	100		
120	25.8	7.0	47.0

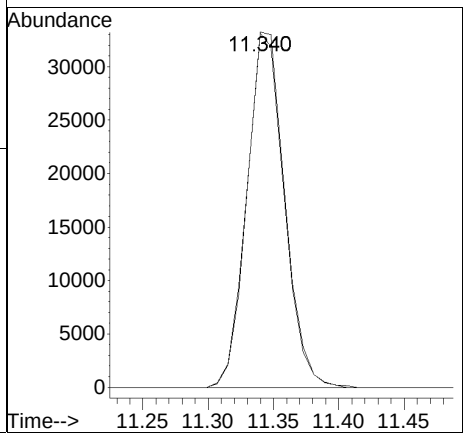


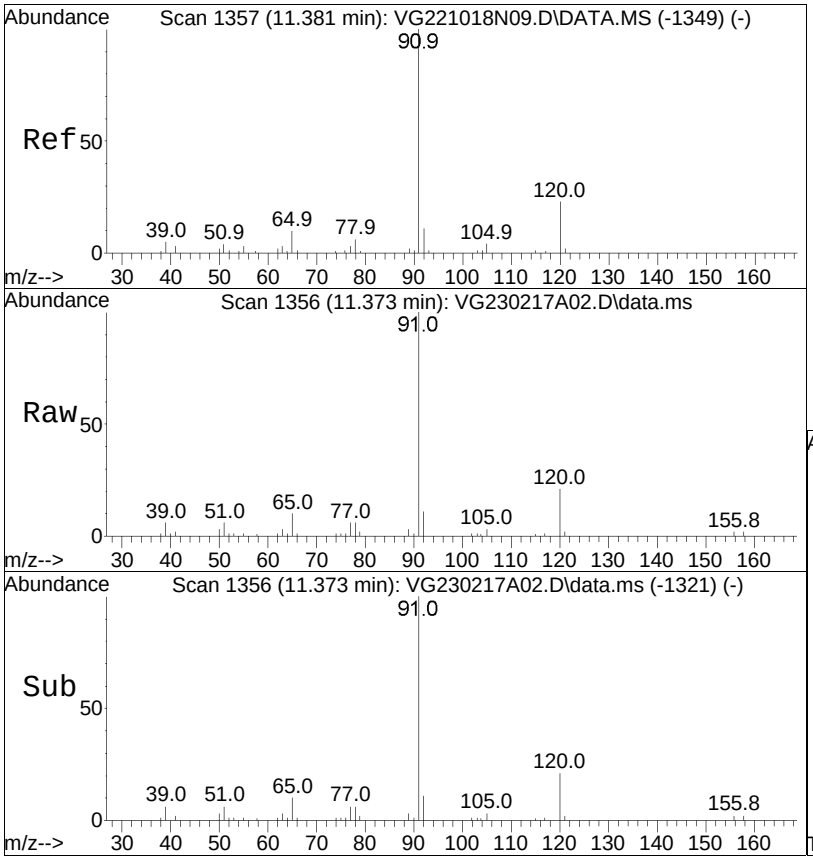


#84
Bromobenzene
Concen: 10.49 ug/L
RT: 11.340 min Scan# 1352
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:156 Resp: 67277

Ion	Ratio	Lower	Upper
156	100		
158	97.1	76.9	115.3

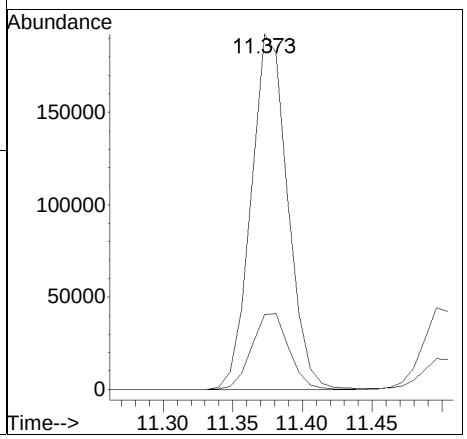


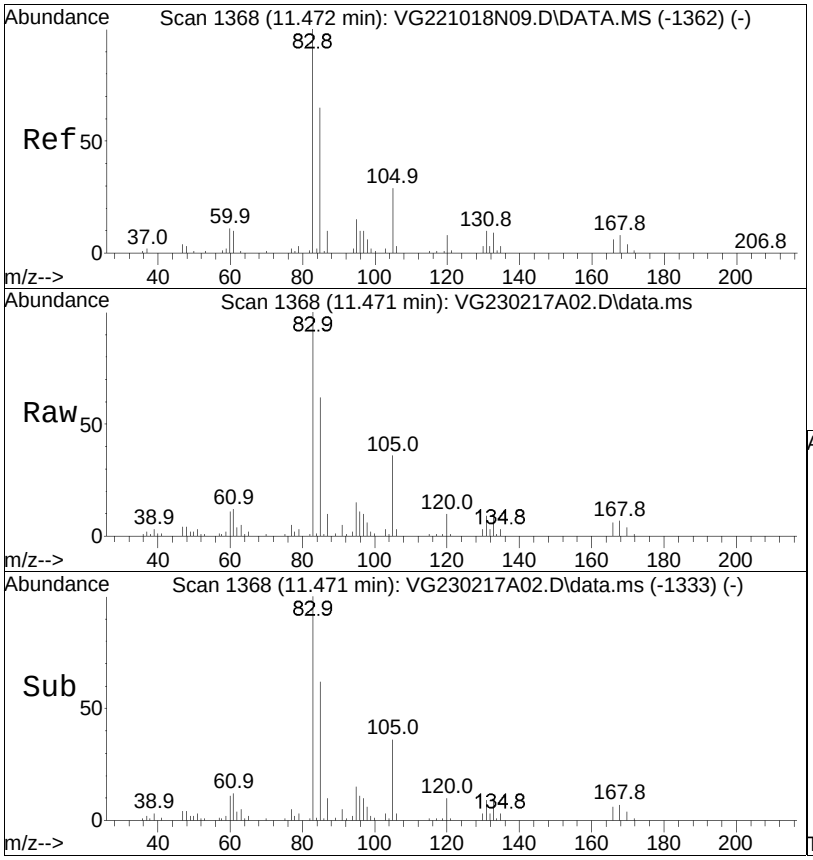


#85
n-Propylbenzene
Concen: 11.31 ug/L
RT: 11.373 min Scan# 1356
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 91 Resp: 350493

Ion	Ratio	Lower	Upper
91	100		
120	21.7	19.0	28.6

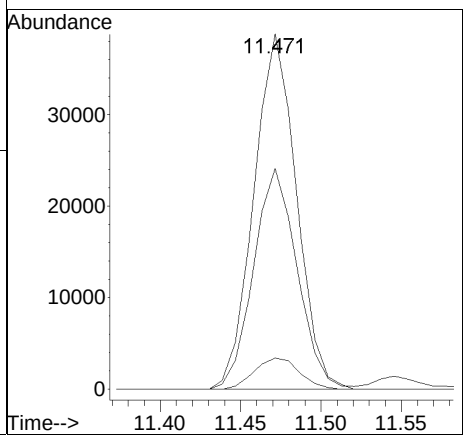


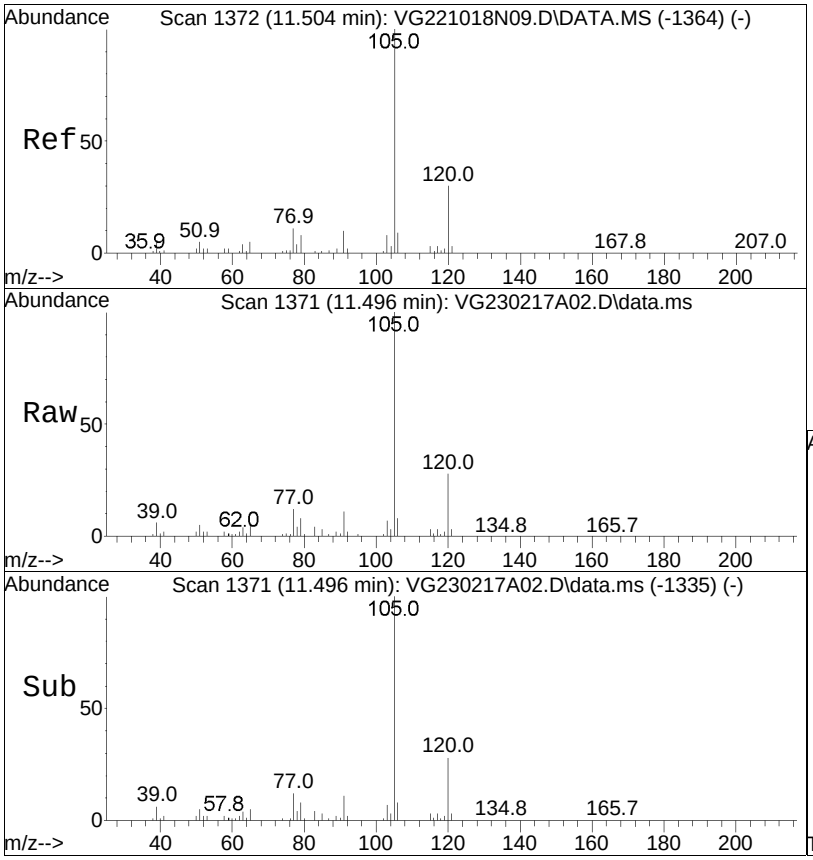


#87
1,1,2,2-Tetrachloroethane
Concen: 11.99 ug/L
RT: 11.471 min Scan# 1368
Delta R.T. -0.009 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 83 Resp: 71657

Ion	Ratio	Lower	Upper
83	100		
131	9.4	0.0	31.0
85	63.6	43.9	83.9

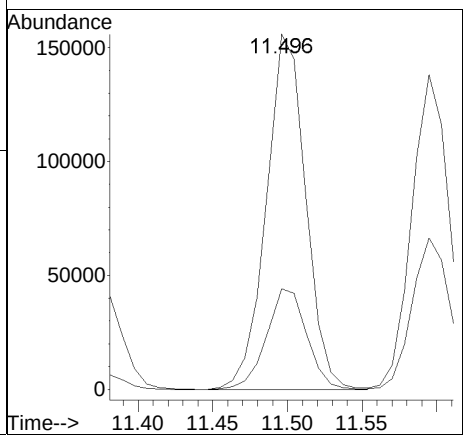


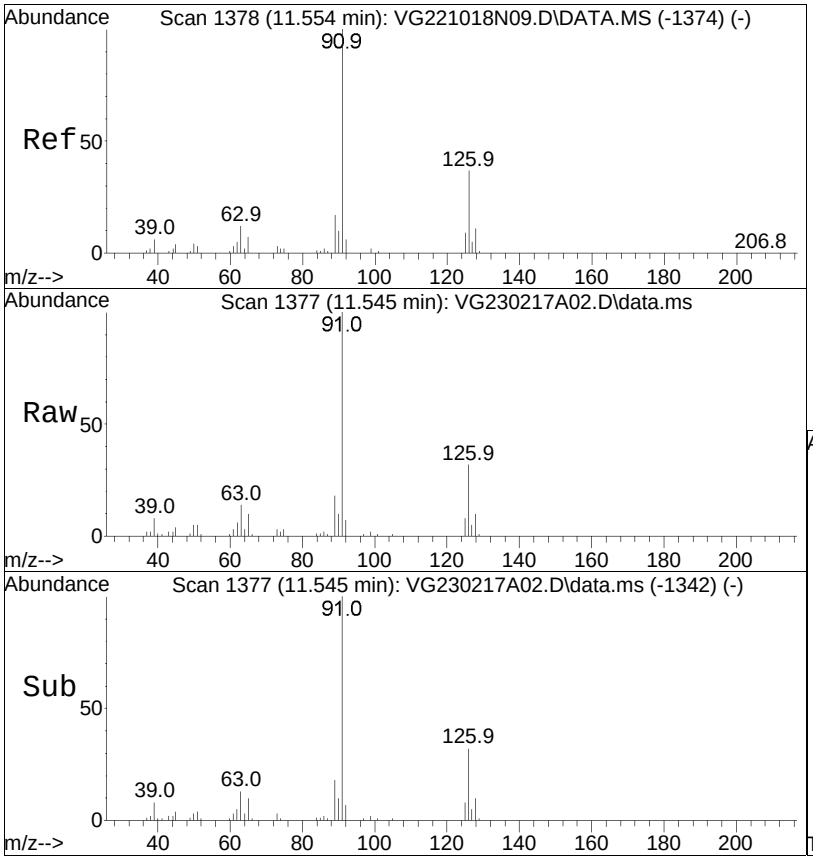


#88
4-Ethyltoluene
Concen: 11.13 ug/L
RT: 11.496 min Scan# 1371
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:105 Resp: 286026

Ion	Ratio	Lower	Upper
105	100		
120	28.9	19.9	41.3

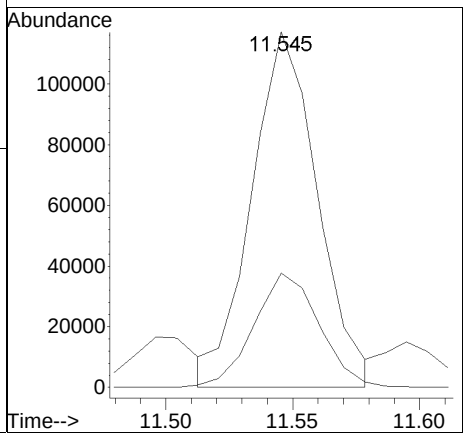


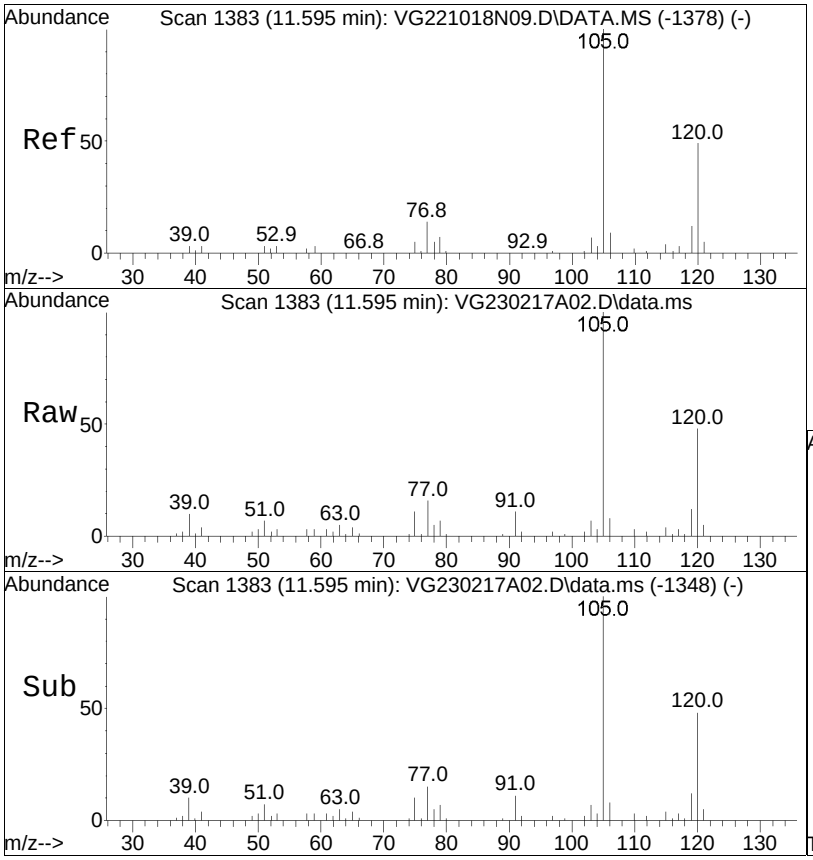


#89
2-Chlorotoluene
Concen: 11.63 ug/L M4
RT: 11.545 min Scan# 1377
Delta R.T. -0.009 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 91 Resp: 211603

Ion	Ratio	Lower	Upper
91	100		
126	31.9	27.4	41.2

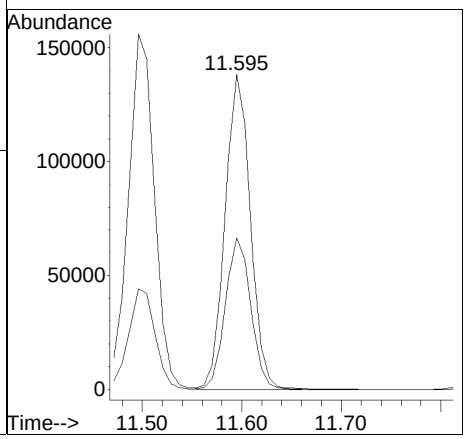


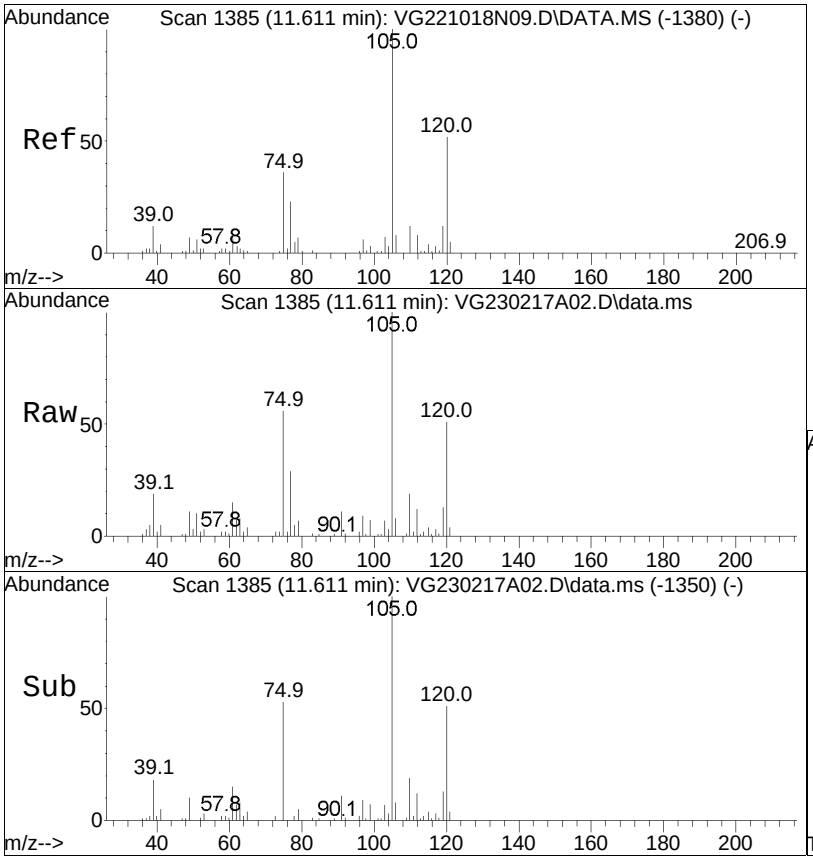


#90
1,3,5-Trimethylbenzene
Concen: 11.00 ug/L
RT: 11.595 min Scan# 1383
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:105 Resp: 244833

Ion	Ratio	Lower	Upper
105	100		
120	48.4	40.3	60.5

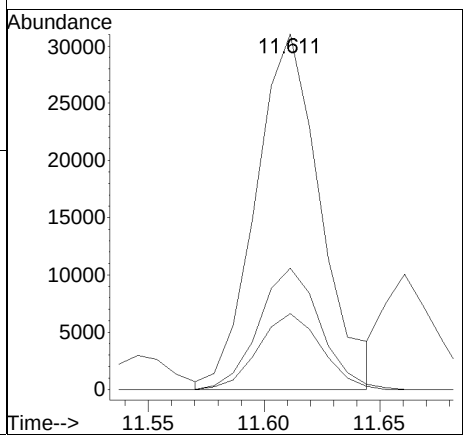


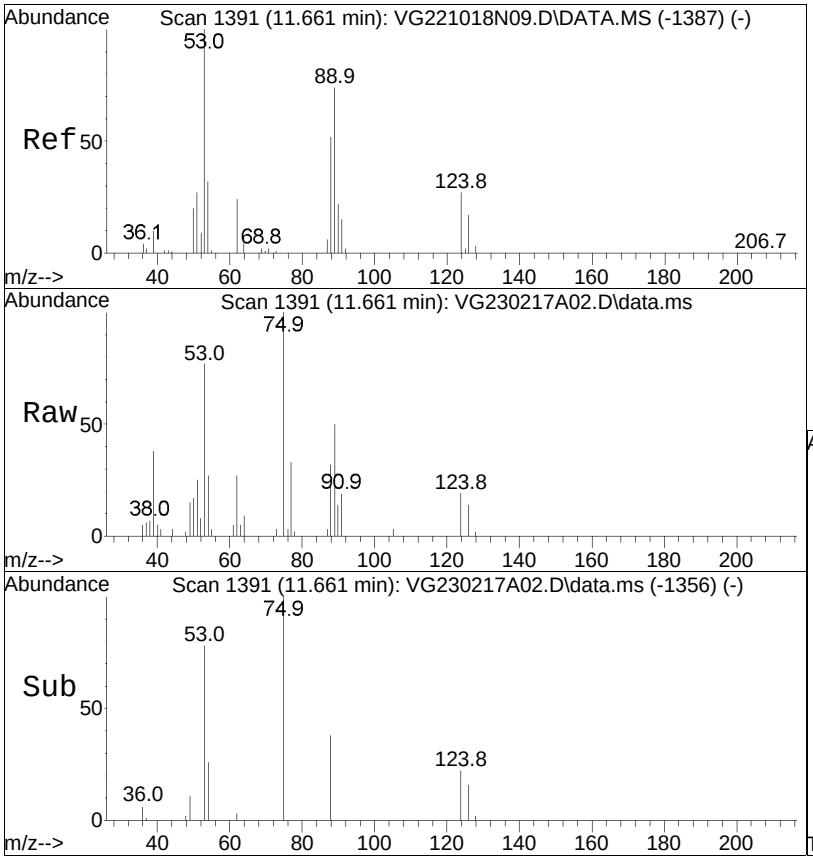


#91
1,2,3-Trichloropropane
Concen: 12.14 ug/L M1
RT: 11.611 min Scan# 1385
Delta R.T. -0.009 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 75 Resp: 60412

Ion	Ratio	Lower	Upper
75	100		
110	32.3	23.5	48.9
112	20.6	15.9	32.9

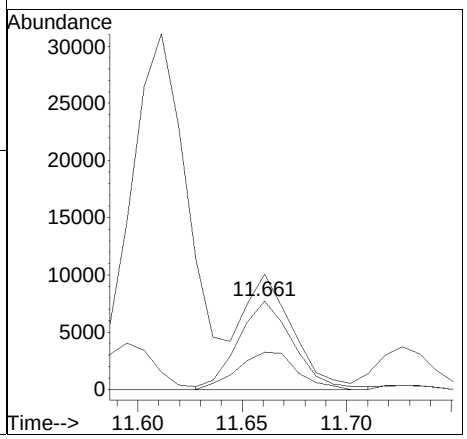


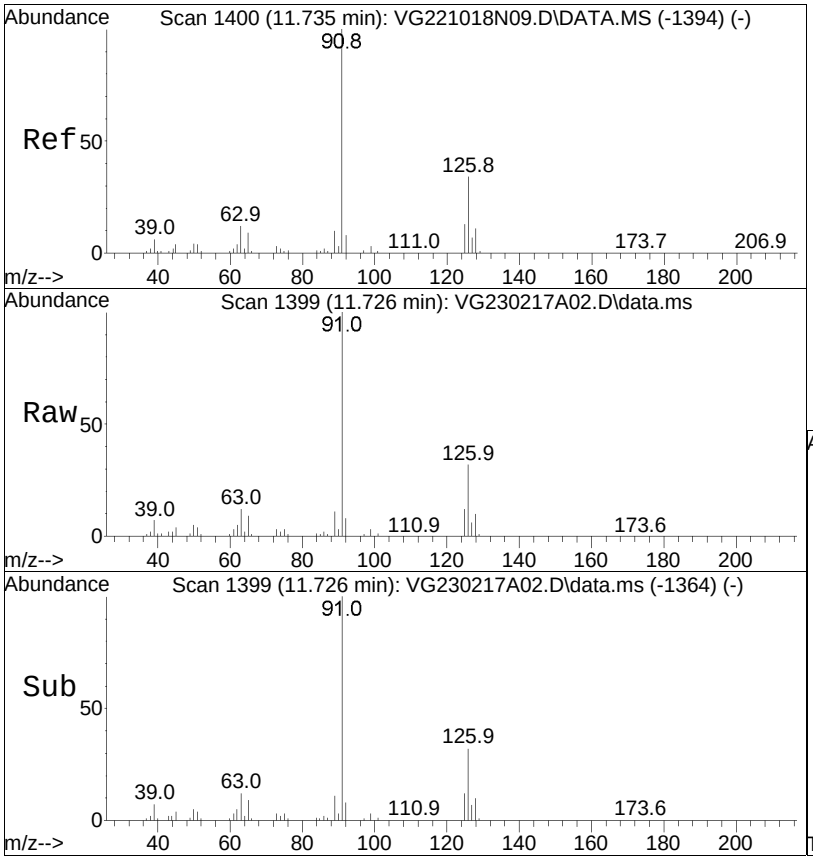


#92
trans-1,4-Dichloro-2-butene
Concen: 7.91 ug/L
RT: 11.661 min Scan# 1391
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 53 Resp: 14092

Ion	Ratio	Lower	Upper
53	100		
88	45.6	41.6	62.4
75	111.6	0.0	0.0#

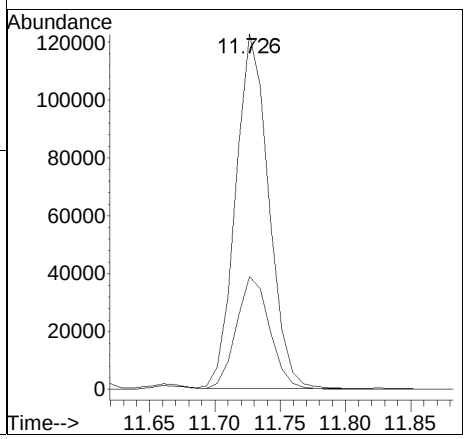


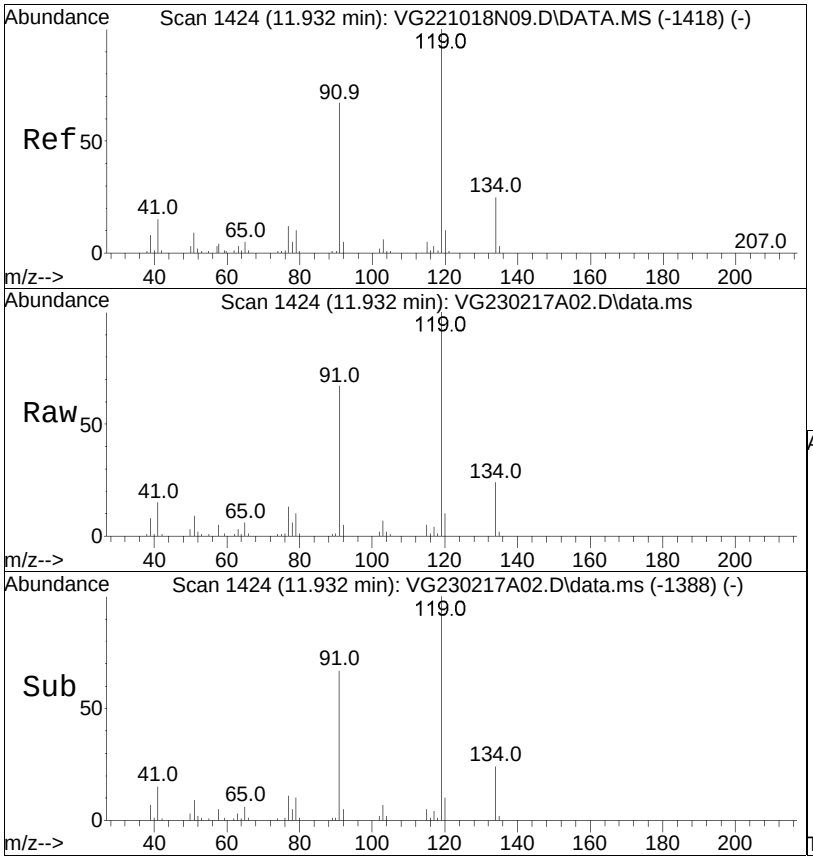


#93
4-Chlorotoluene
Concen: 11.48 ug/L
RT: 11.726 min Scan# 1399
Delta R.T. -0.009 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 91 Resp: 215402

Ion	Ratio	Lower	Upper
91	100		
126	32.4	28.2	42.4

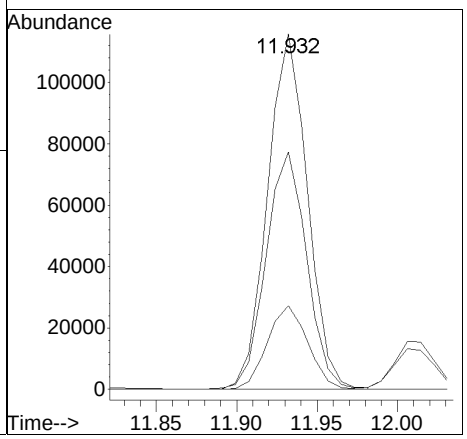


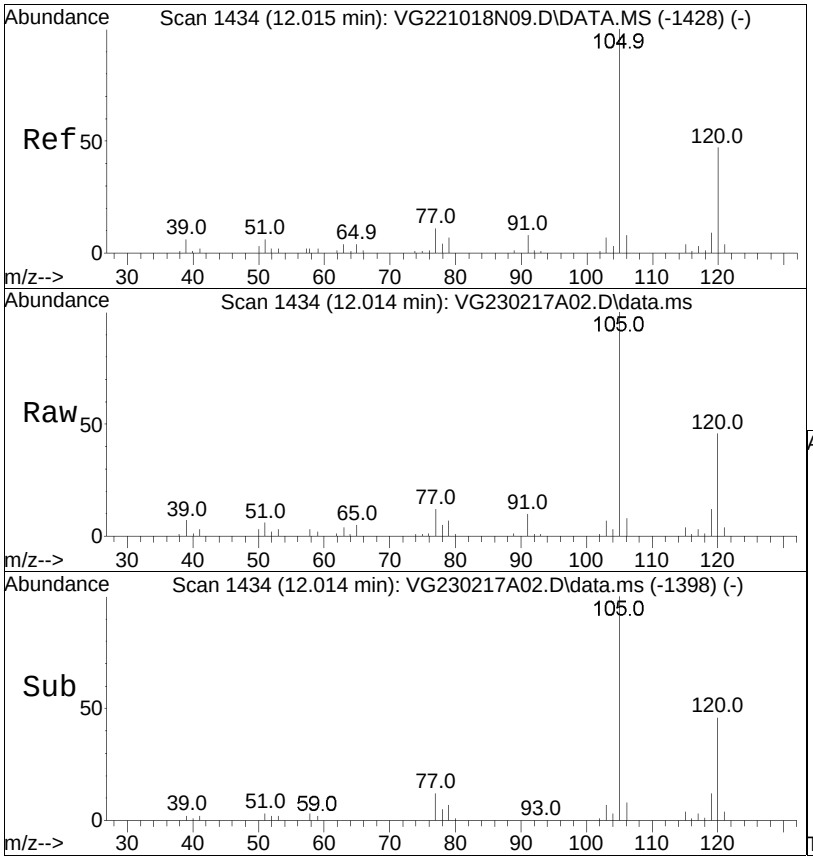


#94
tert-Butylbenzene
Concen: 10.54 ug/L
RT: 11.932 min Scan# 1424
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:119 Resp: 200082

Ion	Ratio	Lower	Upper
119	100		
91	67.6	50.8	76.2
134	23.9	20.2	30.4

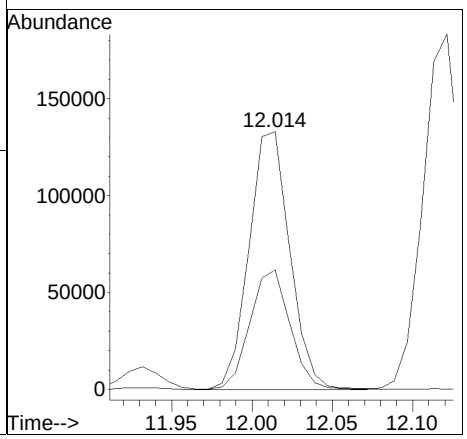


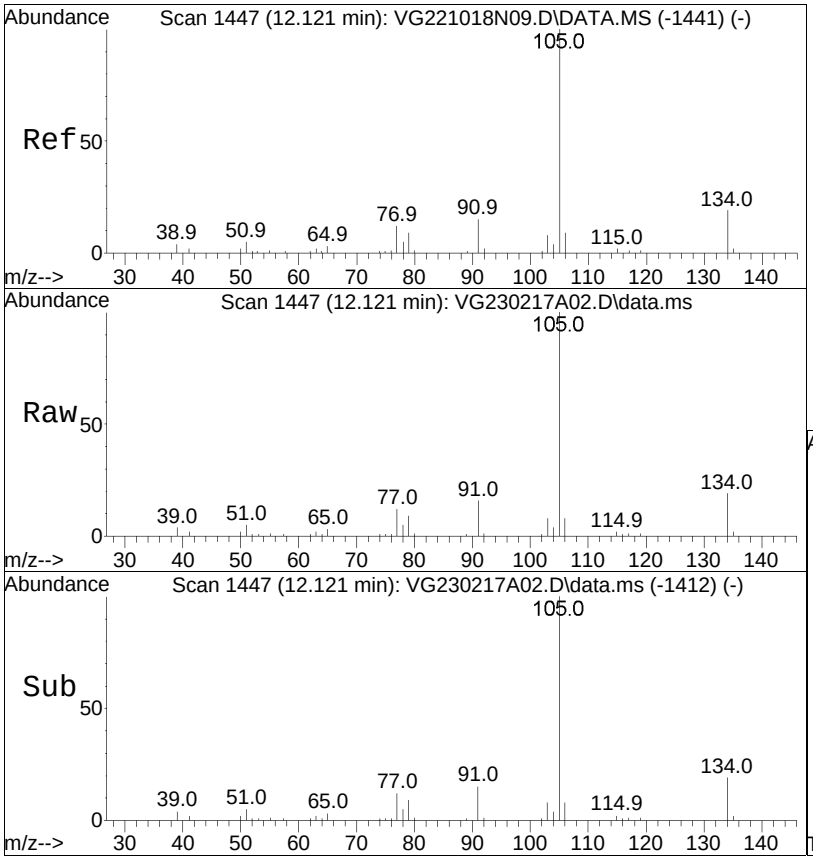


#97
1,2,4-Trimethylbenzene
Concen: 10.98 ug/L
RT: 12.014 min Scan# 1434
Delta R.T. -0.001 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:105 Resp: 235244

Ion	Ratio	Lower	Upper
105	100		
120	45.4	37.8	56.6

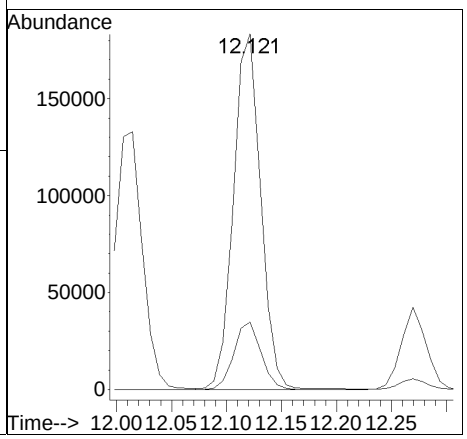


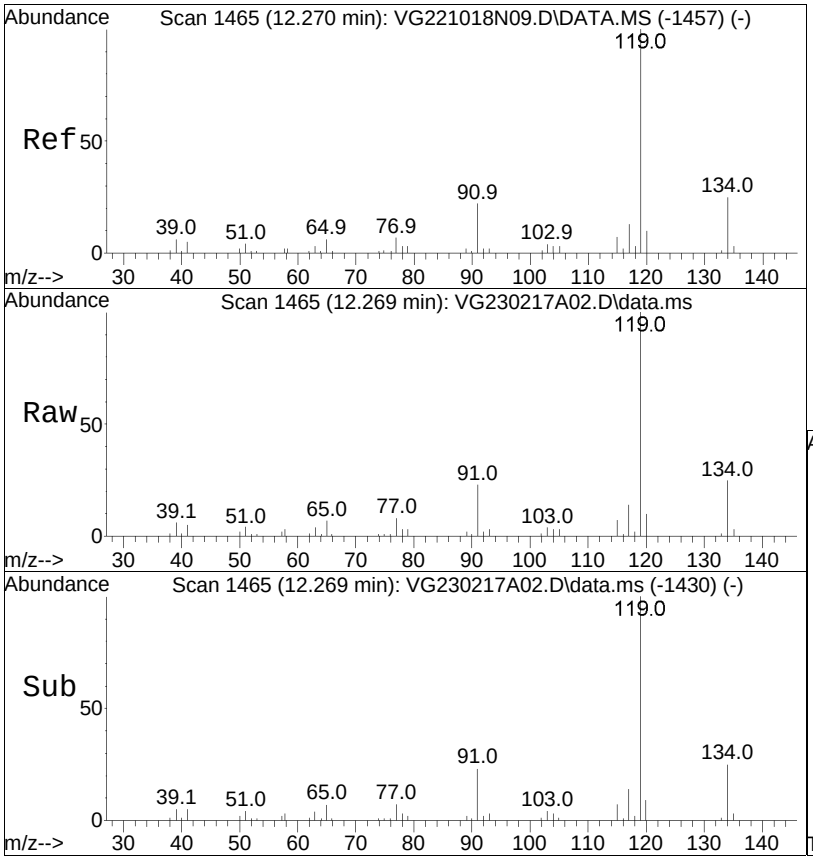


#98
sec-Butylbenzene
Concen: 11.13 ug/L
RT: 12.121 min Scan# 1447
Delta R.T. -0.009 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:105 Resp: 316474

Ion	Ratio	Lower	Upper
105	100		
134	18.7	13.3	27.7

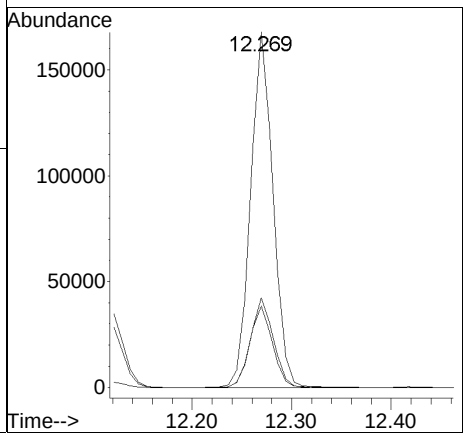


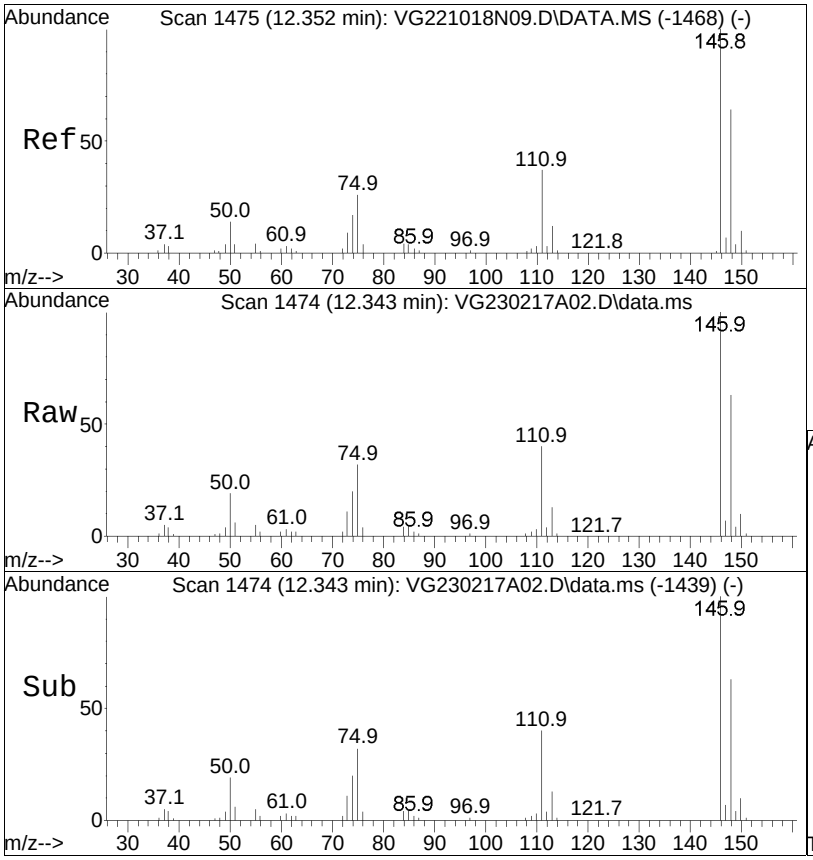


#99
p-Isopropyltoluene
Concen: 10.76 ug/L
RT: 12.269 min Scan# 1465
Delta R.T. -0.009 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:119 Resp: 262395

Ion	Ratio	Lower	Upper
119	100		
134	25.5	17.5	36.3
91	23.0	14.6	30.4

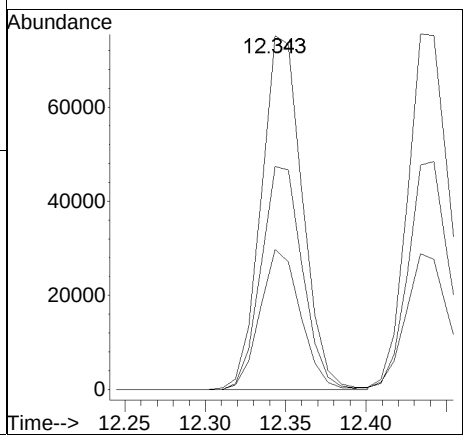


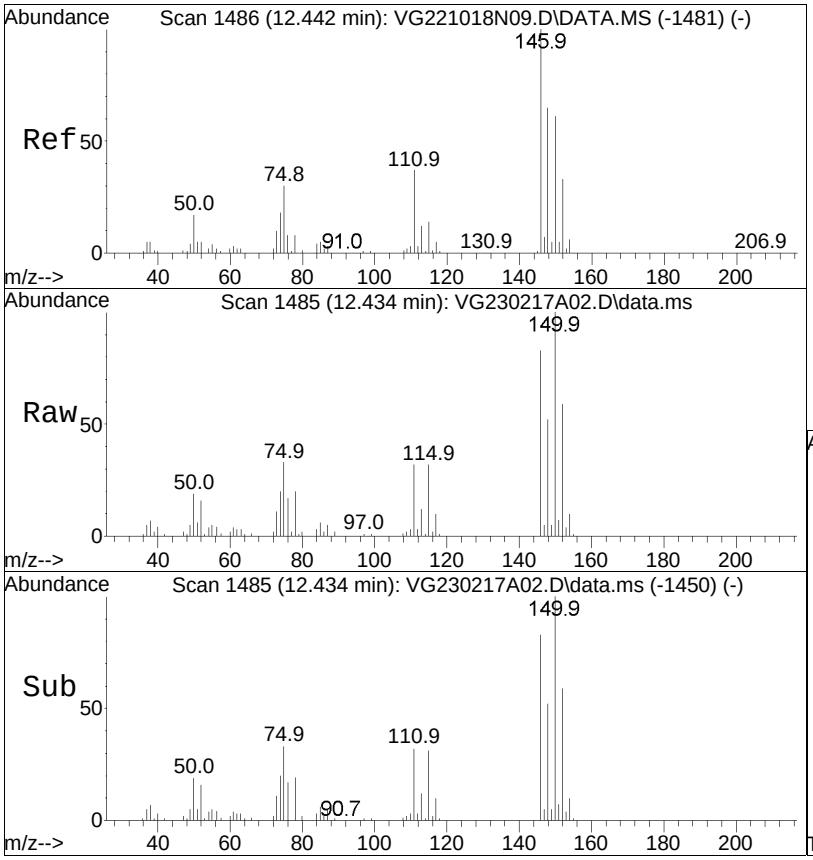


#100
1,3-Dichlorobenzene
Concen: 11.06 ug/L
RT: 12.343 min Scan# 1474
Delta R.T. -0.009 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:146 Resp: 133753

Ion	Ratio	Lower	Upper
146	100		
111	38.8	24.4	50.6
148	63.3	41.0	85.2

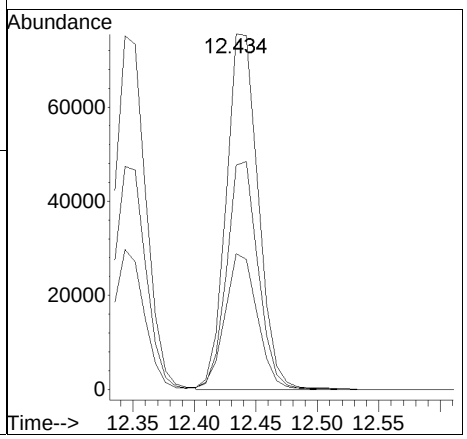


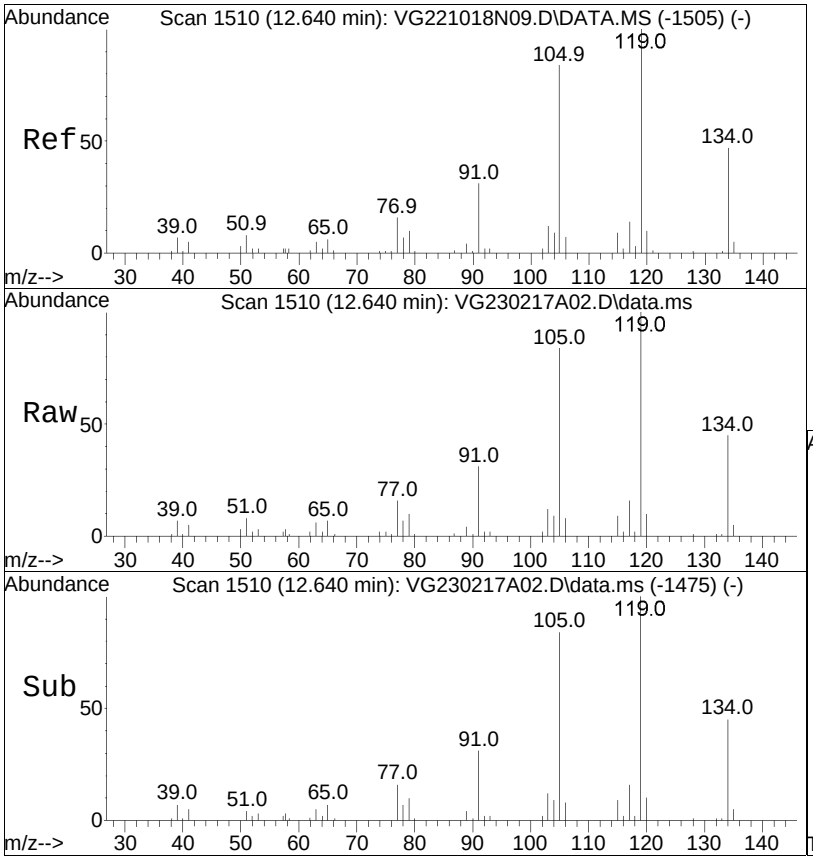


#101
1,4-Dichlorobenzene
Concen: 11.26 ug/L
RT: 12.434 min Scan# 1485
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:146 Resp: 137465

Ion	Ratio	Lower	Upper
146	100		
111	38.8	29.3	43.9
148	62.9	51.2	76.8

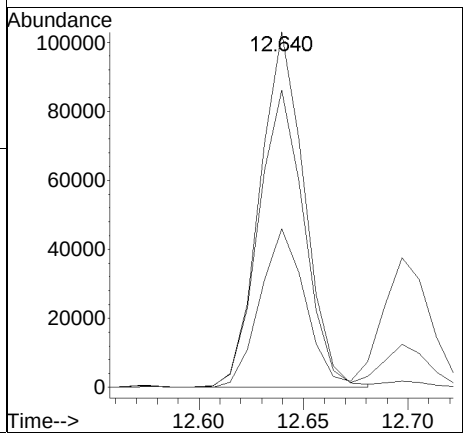


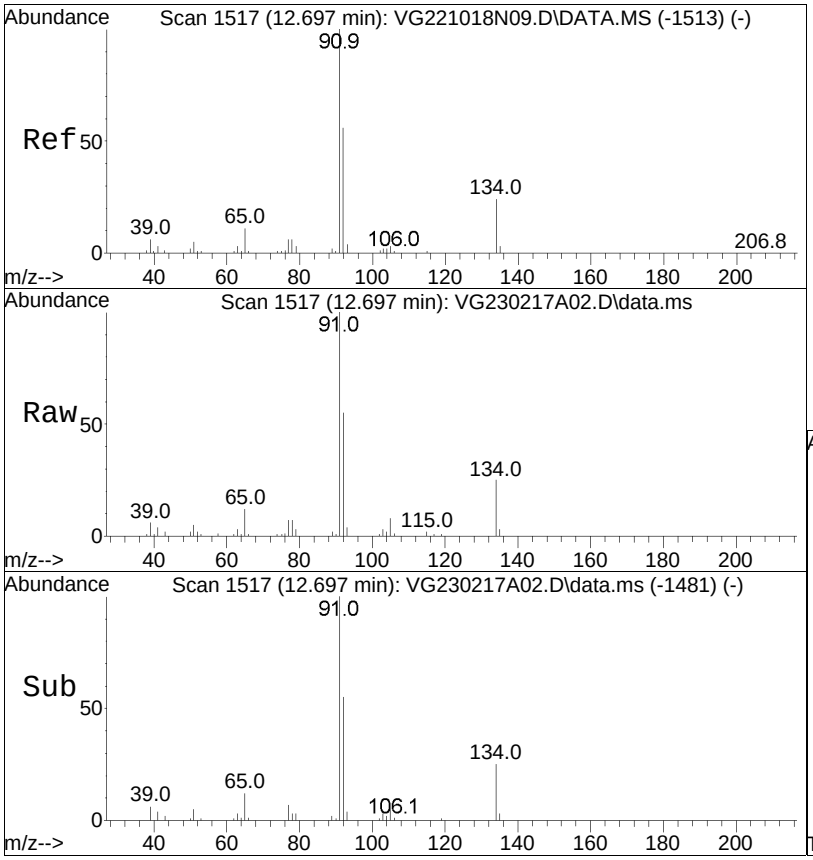


#102
p-Diethylbenzene
Concen: 10.57 ug/L
RT: 12.640 min Scan# 1510
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:119 Resp: 152916

Ion	Ratio	Lower	Upper
119	100		
105	85.5	53.9	112.1
134	45.4	32.0	66.6

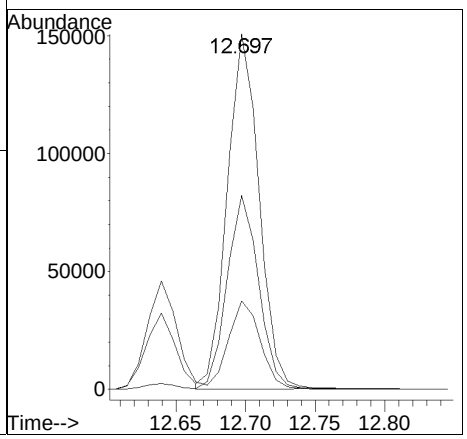


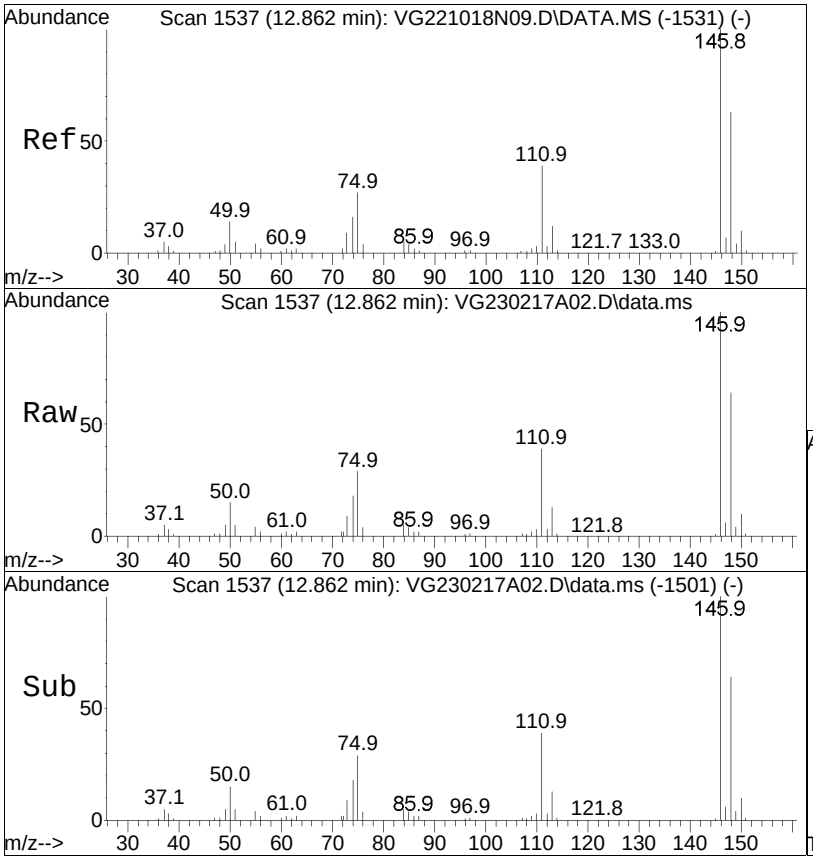


#103
n-Butylbenzene
Concen: 11.50 ug/L
RT: 12.697 min Scan# 1517
Delta R.T. -0.009 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion: 91 Resp: 239336

Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.8	65.8
134	24.9	22.0	33.0

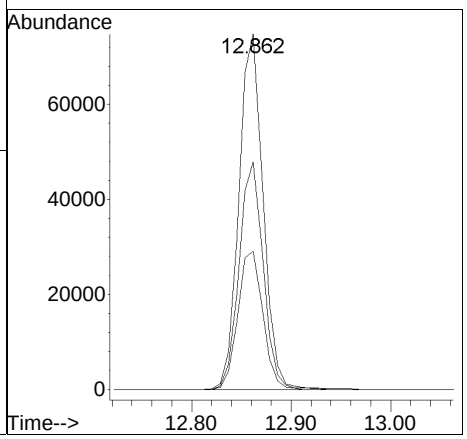


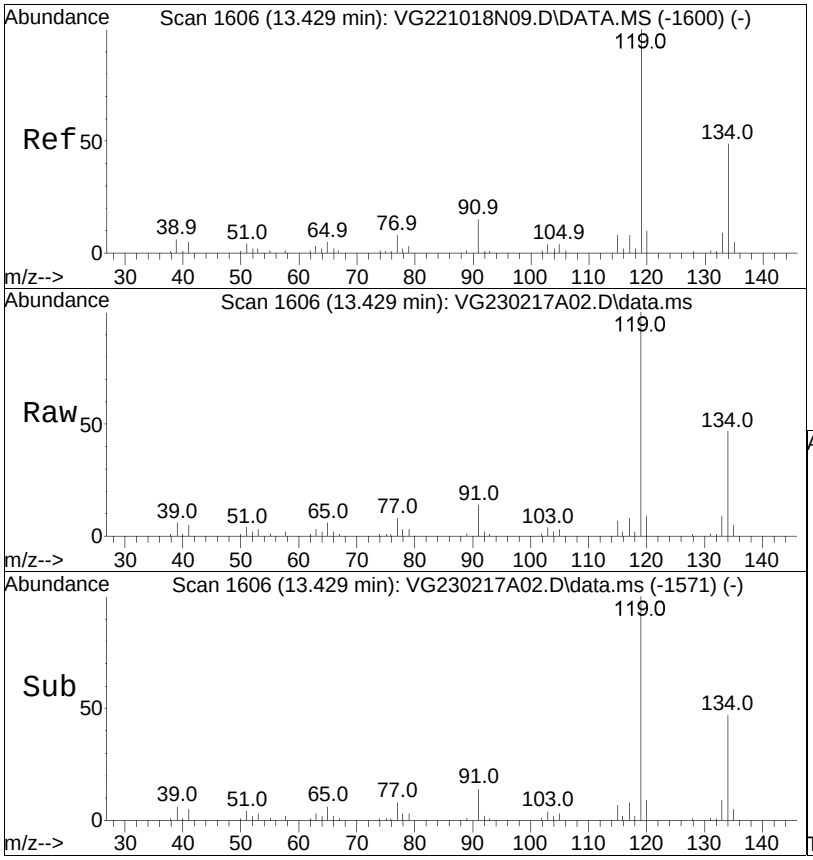


#104
1,2-Dichlorobenzene
Concen: 11.18 ug/L
RT: 12.862 min Scan# 1537
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:146 Resp: 126187

Ion	Ratio	Lower	Upper
146	100		
111	40.2	25.4	52.8
148	63.8	41.7	86.5

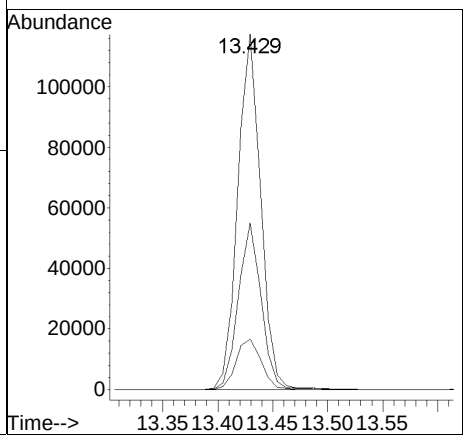


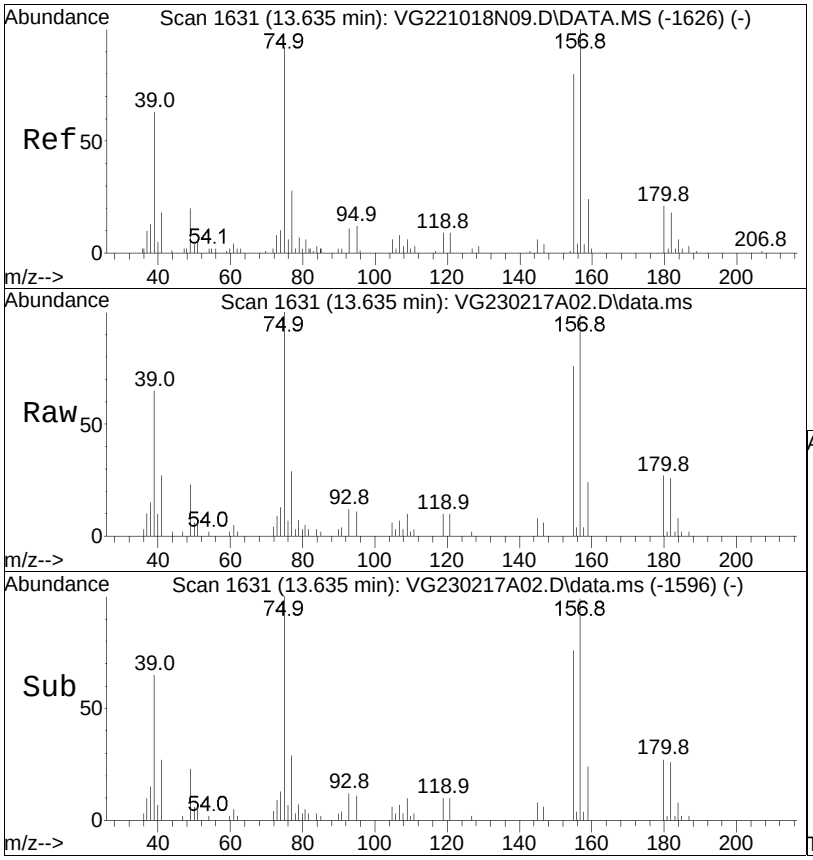


#105
1,2,4,5-Tetramethylbenzene
Concen: 9.25 ug/L
RT: 13.429 min Scan# 1606
Delta R.T. -0.009 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:119 Resp: 170224

Ion	Ratio	Lower	Upper
119	100		
134	46.6	32.7	67.9
91	15.4	9.9	20.7

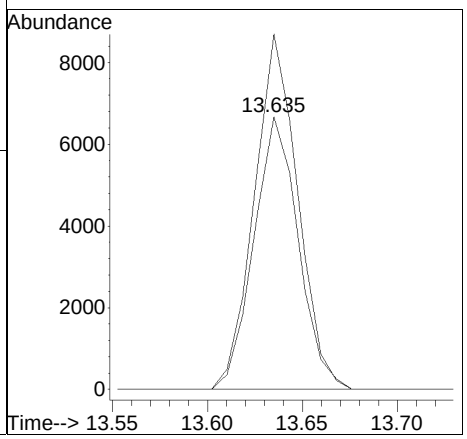


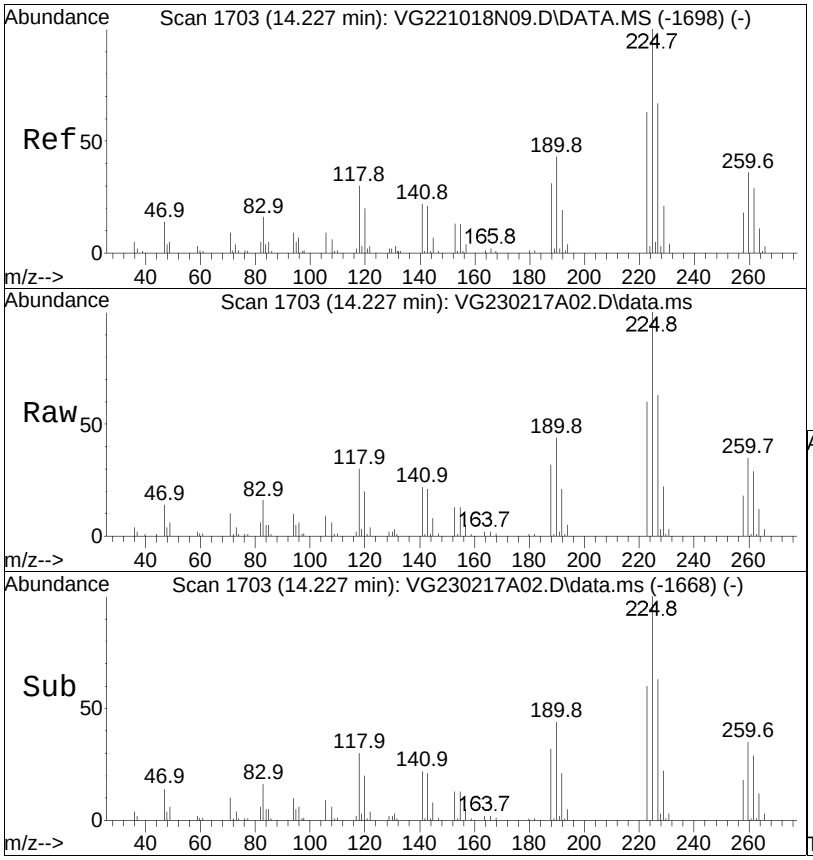


#106
1,2-Dibromo-3-chloropropane
Concen: 9.87 ug/L
RT: 13.635 min Scan# 1631
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:155 Resp: 10861

Ion	Ratio	Lower	Upper
155	100		
157	127.0	99.9	149.9

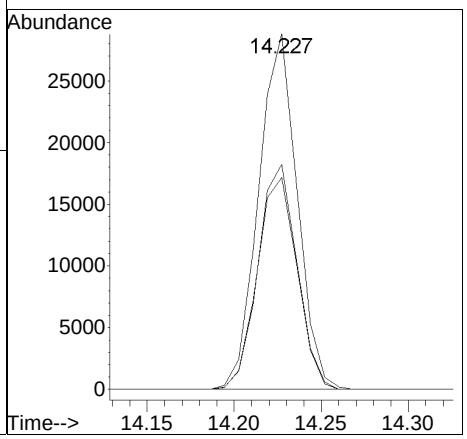


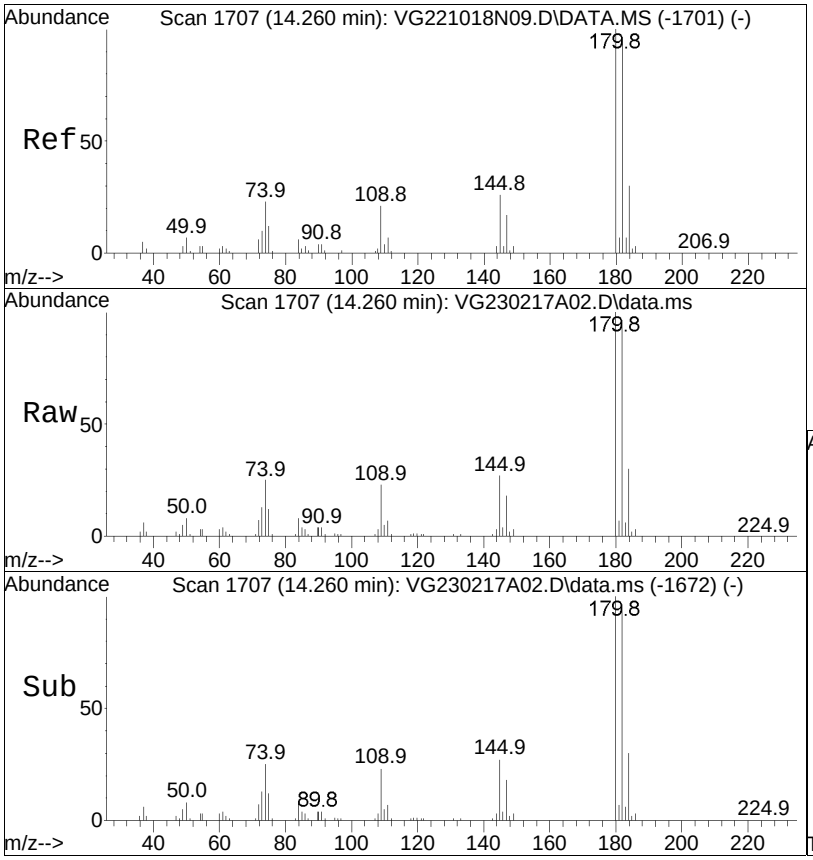


#108
Hexachlorobutadiene
Concen: 9.84 ug/L
RT: 14.227 min Scan# 1703
Delta R.T. -0.009 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:225 Resp: 44482

Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.1	75.1
227	63.8	50.2	75.4

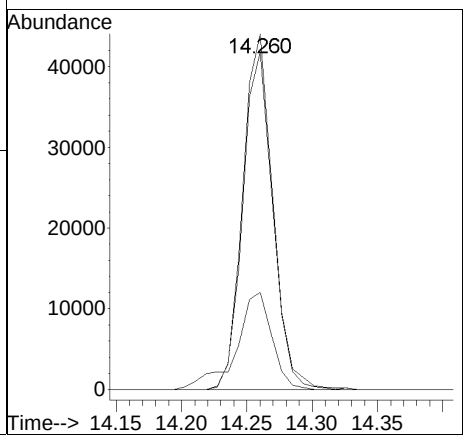


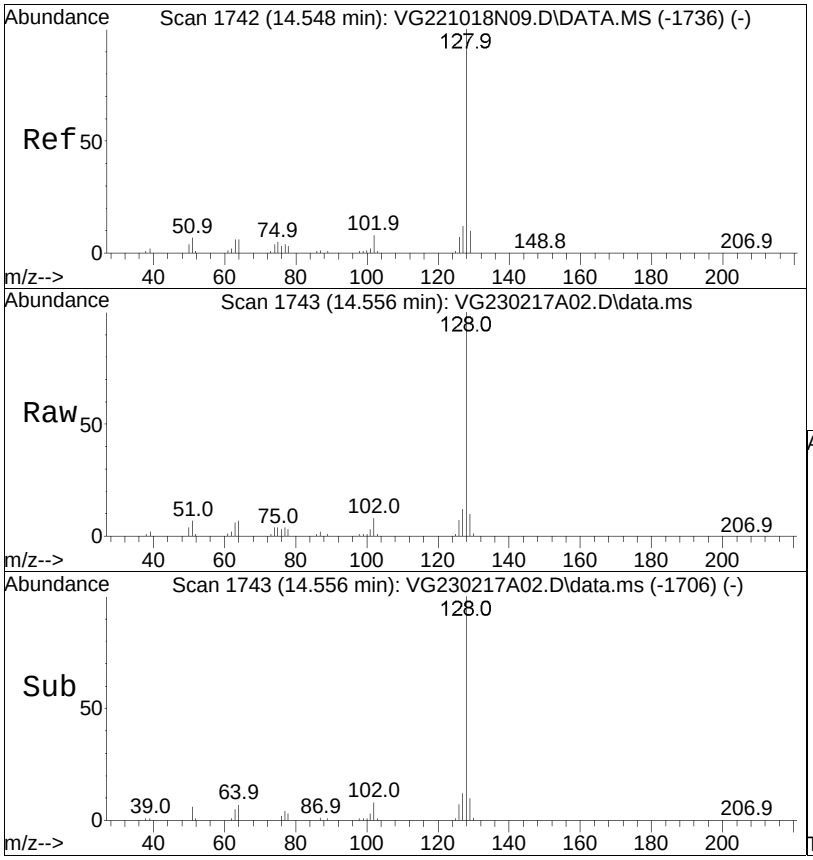


#109
1,2,4-Trichlorobenzene
Concen: 9.84 ug/L
RT: 14.260 min Scan# 1707
Delta R.T. -0.009 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:180 Resp: 70699

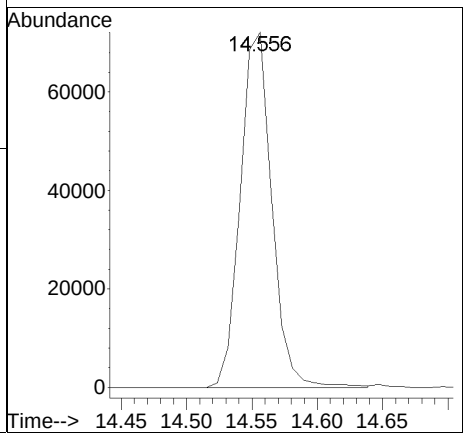
Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.7	115.1
145	32.3	26.5	39.7

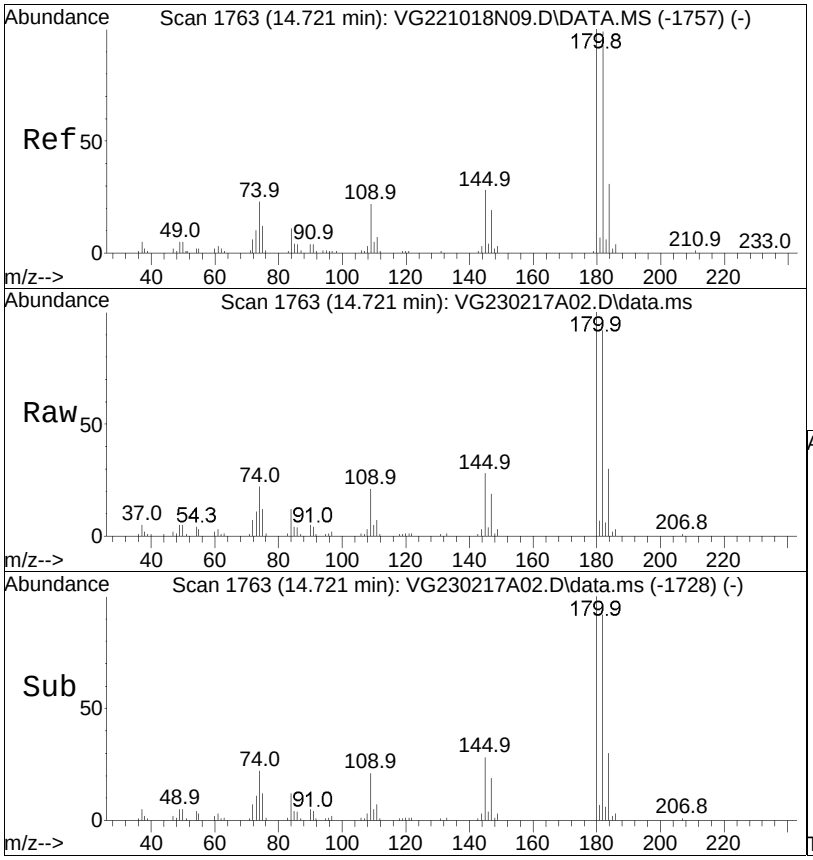




#110
Naphthalene
Concen: 8.50 ug/L
RT: 14.556 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:128 Resp: 121062

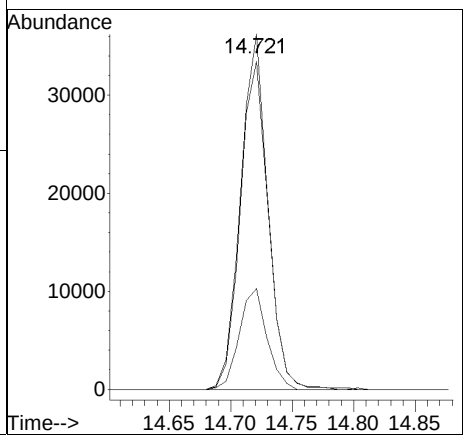




#111
1,2,3-Trichlorobenzene
Concen: 9.63 ug/L
RT: 14.721 min Scan# 1763
Delta R.T. -0.008 min
Lab File: VG230217A02.D
Acq: 17 Feb 2023 8:06 am

Tgt Ion:180 Resp: 56032

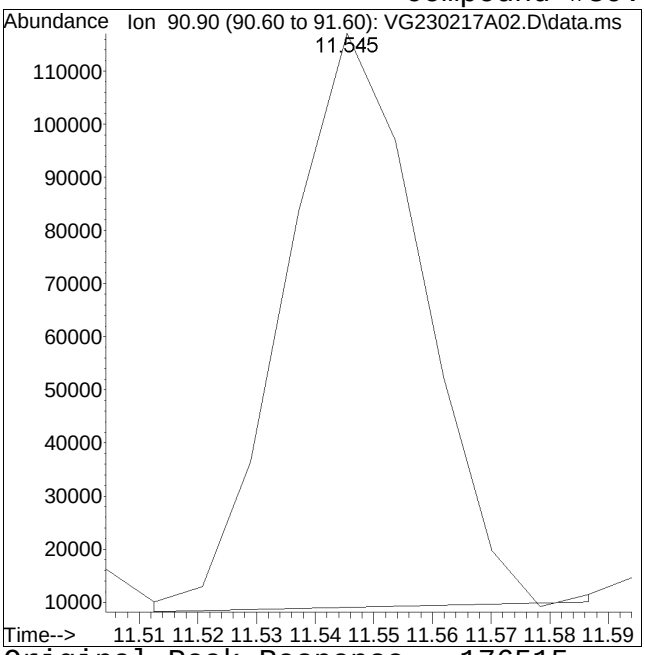
Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.0	115.4
145	28.7	24.1	36.1



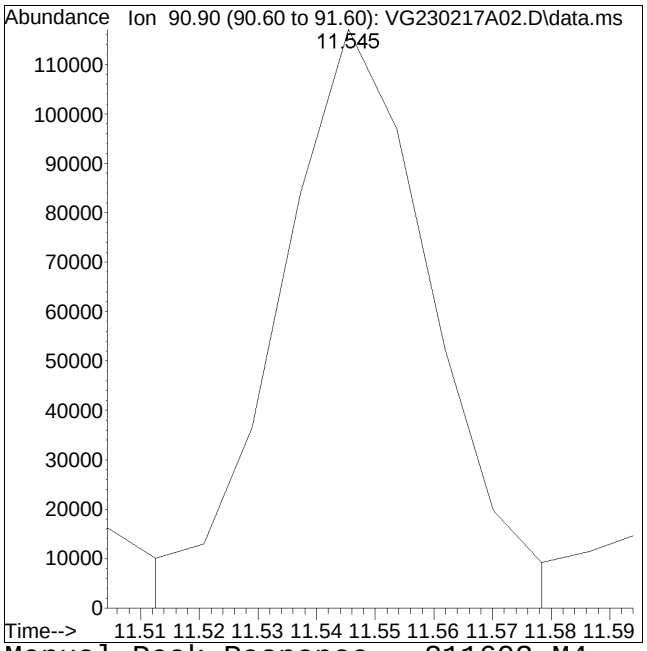
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2023\23QMethod : G_221018N_8260.m
Data File : VG230217A02.D Operator : GONZO:PID
Date Inj'd : 2/17/2023 8:06 am Instrument : Gonzo
Sample : WG1746138-4,31,10,10 Quant Date : 2/17/2023 8:49 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 176515



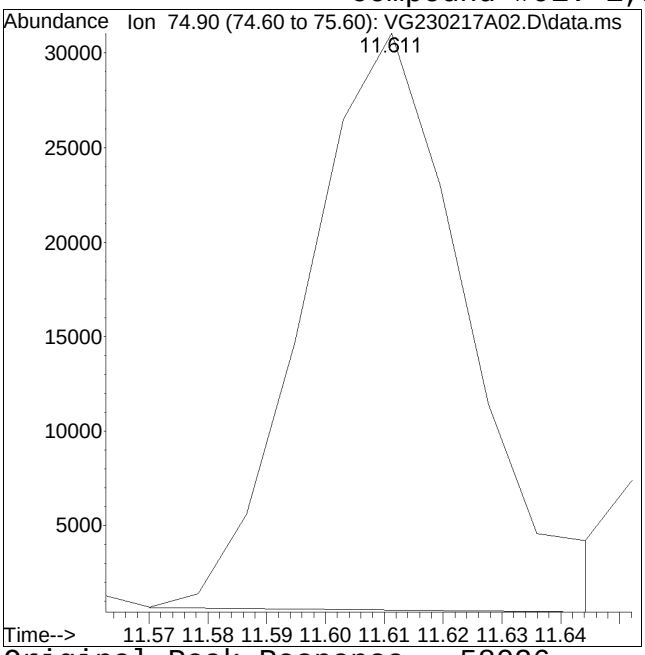
Manual Peak Response = 211603 M4

M4 = Poor automated baseline construction.

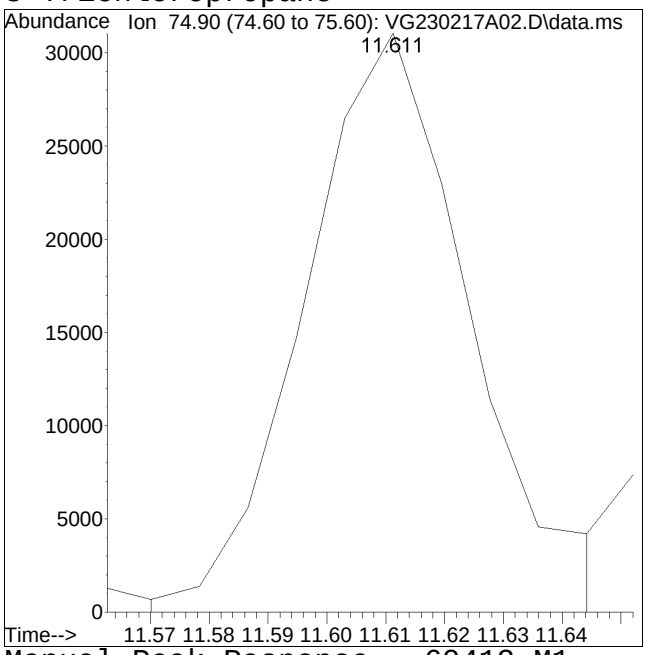
Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2023\23QMethod : G_221018N_8260.m
Data File : VG230217A02.D Operator : GONZO:PID
Date Inj'd : 2/17/2023 8:06 am Instrument : Gonzo
Sample : WG1746138-4,31,10,10 Quant Date : 2/17/2023 8:49 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 58026



Manual Peak Response = 60412 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220A03.D
Acq On : 20 Feb 2023 09:45 am
Operator : VOA129:MKS
Sample : WG1747023-4,31,5,5
Misc : WG1747023,ICAL19631
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 20 11:06:31 2023
Quant Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:19 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2023\230220A\V29230220A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.904	96	329429	20.000	ug/L	0.00
Standard Area 1 = 336478			Recovery = 97.91%			
59) Chlorobenzene-d5	8.745	117	256959	20.000	ug/L	0.00
Standard Area 1 = 260372			Recovery = 98.69%			
79) 1,4-Dichlorobenzene-d4	10.193	152	143237	20.000	ug/L	0.00
Standard Area 1 = 142944			Recovery = 100.20%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.976	113	84915	19.496	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.48%			
43) 1,2-Dichloroethane-d4	5.568	65	92918	21.599	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 107.99%			
60) Toluene-d8	7.540	98	327657	20.425	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.13%			
83) 4-Bromofluorobenzene	9.532	95	117410	19.876	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.38%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.075	85	71593	25.275	ug/L	99
3) Chloromethane	1.216	50	119284	34.663	ug/L	99
4) Vinyl chloride	1.269	62	109590	31.222	ug/L	96
5) Bromomethane	1.505	94	92104	32.722	ug/L	98
6) Chloroethane	1.604	64	85807	36.714	ug/L	96
7) Trichlorofluoromethane	1.714	101	178244	33.835	ug/L	98
8) Ethyl ether	1.982	74	62828	37.896	ug/L	79
10) 1,1-Dichloroethene	2.134	96	106105	34.582	ug/L #	73
11) Carbon disulfide	2.139	76	346875	54.520	ug/L	96
15) Methylene chloride	2.684	84	145190	40.110	ug/L	77
17) Acetone	2.747	43	62425	65.299	ug/L	97
18) trans-1,2-Dichloroethene	2.857	96	135332	39.275	ug/L	78
20) Methyl tert-butyl ether	3.015	73	363341	44.797	ug/L	96
23) 1,1-Dichloroethane	3.586	63	244012	43.414	ug/L	99
25) Acrylonitrile	3.644	53	49274	47.645	ug/L	97
27) Vinyl acetate	4.011	43	276372	38.483	ug/L #	95
28) cis-1,2-Dichloroethene	4.352	96	150682	39.561	ug/L #	71
29) 2,2-Dichloropropane	4.488	77	205487	39.969	ug/L	99
30) Bromochloromethane	4.609	128	78089	39.803	ug/L #	60
32) Chloroform	4.755	83	250138	41.015	ug/L	96

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220A03.D
Acq On : 20 Feb 2023 09:45 am
Operator : VOA129:MKS
Sample : WG1747023-4,31,5,5
Misc : WG1747023,ICAL19631
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 20 11:06:31 2023
Quant Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:19 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2023\230220A\V29230220A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	4.881	117	192949	39.296	ug/L		99
37) 1,1,1-Trichloroethane	4.965	97	215716	40.452	ug/L	#	98
39) 2-Butanone	5.138	43	83554	54.110	ug/L	#	55
40) 1,1-Dichloropropene	5.128	75	179606	40.961	ug/L		92
41) Benzene	5.411	78	536810	40.943	ug/L		92
44) 1,2-Dichloroethane	5.647	62	205463	47.459	ug/L		98
48) Trichloroethene	6.098	95	161299	43.266	ug/L		92
50) Dibromomethane	6.522	93	95483	43.400	ug/L	#	89
51) 1,2-Dichloropropane	6.627	63	153974	43.964	ug/L		95
54) Bromodichloromethane	6.727	83	205522	43.717	ug/L		98
57) 1,4-Dioxane	6.947	88	87766M1	2172.648	ug/L		
58) cis-1,3-Dichloropropene	7.367	75	242591	42.477	ug/L		96
61) Toluene	7.587	92	356125	42.179	ug/L		98
62) 4-Methyl-2-pentanone	7.933	58	60771	45.565	ug/L	#	87
63) Tetrachloroethene	7.917	166	171143	41.835	ug/L		87
65) trans-1,3-Dichloropropene	7.959	75	229091	45.311	ug/L		99
68) 1,1,2-Trichloroethane	8.080	83	111433	45.543	ug/L		95
69) Chlorodibromomethane	8.211	129	168489	43.053	ug/L		96
70) 1,3-Dichloropropane	8.279	76	226621	46.307	ug/L		99
71) 1,2-Dibromoethane	8.363	107	141553	44.328	ug/L		99
72) 2-Hexanone	8.567	43	121748	51.456	ug/L		98
73) Chlorobenzene	8.756	112	424580	43.266	ug/L	#	88
74) Ethylbenzene	8.787	91	683893	43.125	ug/L		97
75) 1,1,1,2-Tetrachloroethane	8.808	131	161790	43.982	ug/L		96
76) p/m Xylene	8.887	106	548177	85.219	ug/L		93
77) o Xylene	9.165	106	534790	87.994	ug/L		89
78) Styrene	9.196	104	905801	91.368	ug/L		89
80) Bromoform	9.207	173	119537	42.478	ug/L		96
82) Isopropylbenzene	9.369	105	693153	42.761	ug/L		94
84) Bromobenzene	9.590	156	198610	43.061	ug/L		97
85) n-Propylbenzene	9.621	91	816285	43.204	ug/L		94
87) 1,1,2,2-Tetrachloroethane	9.663	83	166944	41.836	ug/L		100
88) 4-Ethyltoluene	9.689	105	688398	43.045	ug/L		95
89) 2-Chlorotoluene	9.705	91	500908M1	45.163	ug/L		
90) 1,3,5-Trimethylbenzene	9.742	105	595673	42.576	ug/L		89
91) 1,2,3-Trichloropropane	9.736	75	146751	47.736	ug/L		99
92) trans-1,4-Dichloro-2-b...	9.763	53	59506	52.127	ug/L	#	87
93) 4-Chlorotoluene	9.805	91	509250	43.522	ug/L		89
94) tert-Butylbenzene	9.925	119	514674	41.472	ug/L		98

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220A03.D
Acq On : 20 Feb 2023 09:45 am
Operator : VOA129:MKS
Sample : WG1747023-4,31,5,5
Misc : WG1747023,ICAL19631
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 20 11:06:31 2023
Quant Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:19 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA129\2023\230220A\V29230220A01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	9.967	105	595211	43.315	ug/L	92
98)	sec-Butylbenzene	10.030	105	741675	41.578	ug/L	95
99)	p-Isopropyltoluene	10.114	119	652819	41.597	ug/L	94
100)	1,3-Dichlorobenzene	10.151	146	369956	43.346	ug/L	97
101)	1,4-Dichlorobenzene	10.203	146	376697	43.030	ug/L	97
102)	p-Diethylbenzene	10.318	119	396504	41.878	ug/L	92
103)	n-Butylbenzene	10.355	91	569763	43.022	ug/L	97
104)	1,2-Dichlorobenzene	10.439	146	356923	43.775	ug/L	96
105)	1,2,4,5-Tetramethylben...	10.775	119	633218	44.033	ug/L	96
106)	1,2-Dibromo-3-chloropr...	10.895	155	34766	41.066	ug/L	89
108)	Hexachlorobutadiene	11.262	225	152840	42.510	ug/L	95
109)	1,2,4-Trichlorobenzene	11.273	180	281090	45.307	ug/L	98
110)	Naphthalene	11.451	128	629680	44.381	ug/L	100
111)	1,2,3-Trichlorobenzene	11.556	180	264727	44.968	ug/L	98

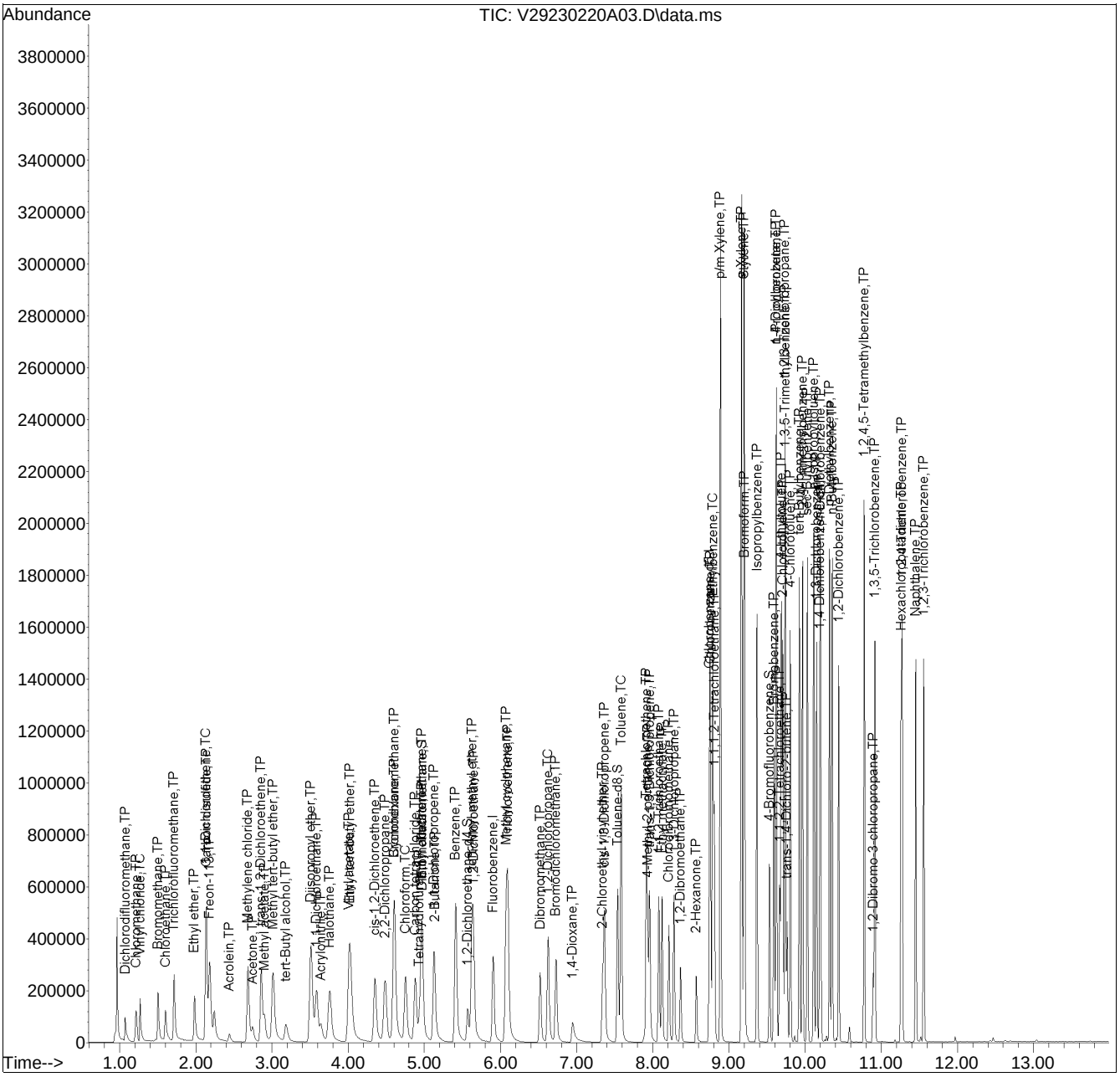
(#) = qualifier out of range (m) = manual integration (+) = signals summed

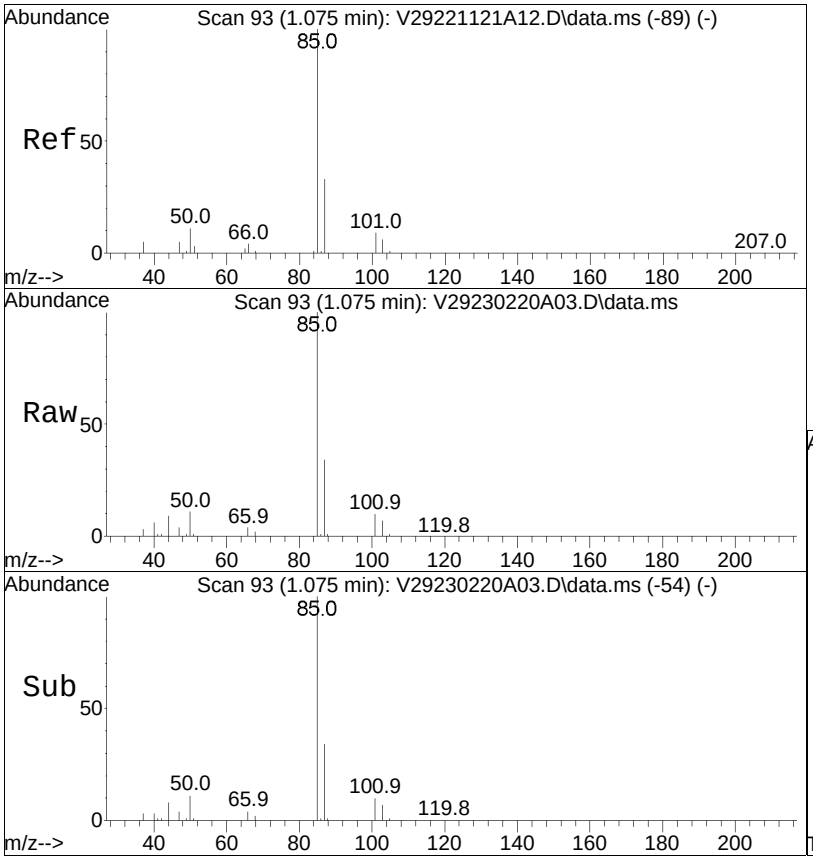
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA129\2023\230220A\
Data File : V29230220A03.D
Acq On : 20 Feb 2023 09:45 am
Operator : VOA129:MKS
Sample : WG1747023-4,31,5,5
Misc : WG1747023,ICAL19631
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 20 11:06:31 2023
Quant Method : I:\VOLATILES\VOA129\2023\230220A\V129_221227N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Dec 30 10:37:19 2022
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox0A\V29230220A01.D•

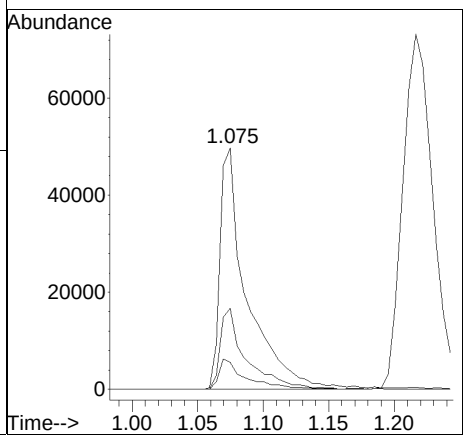


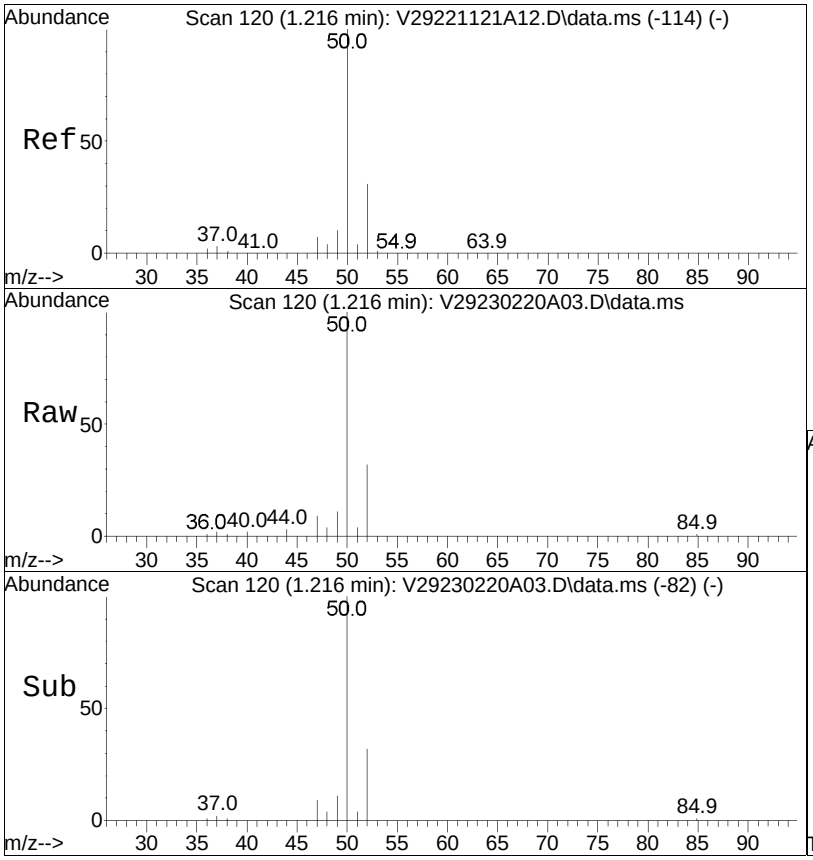


#2
Dichlorodifluoromethane
Concen: 25.28 ug/L
RT: 1.075 min Scan# 93
Delta R.T. 0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 85 Resp: 71593

Ion	Ratio	Lower	Upper
85	100		
87	32.3	21.0	43.6
50	12.7	8.9	18.5

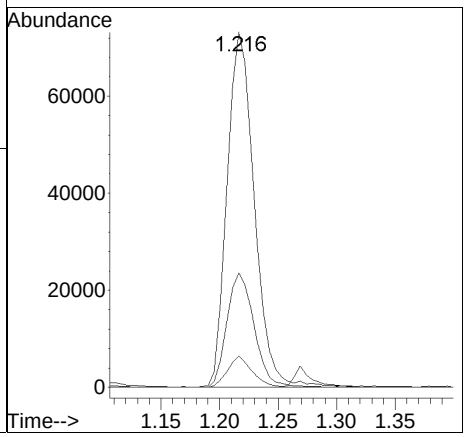


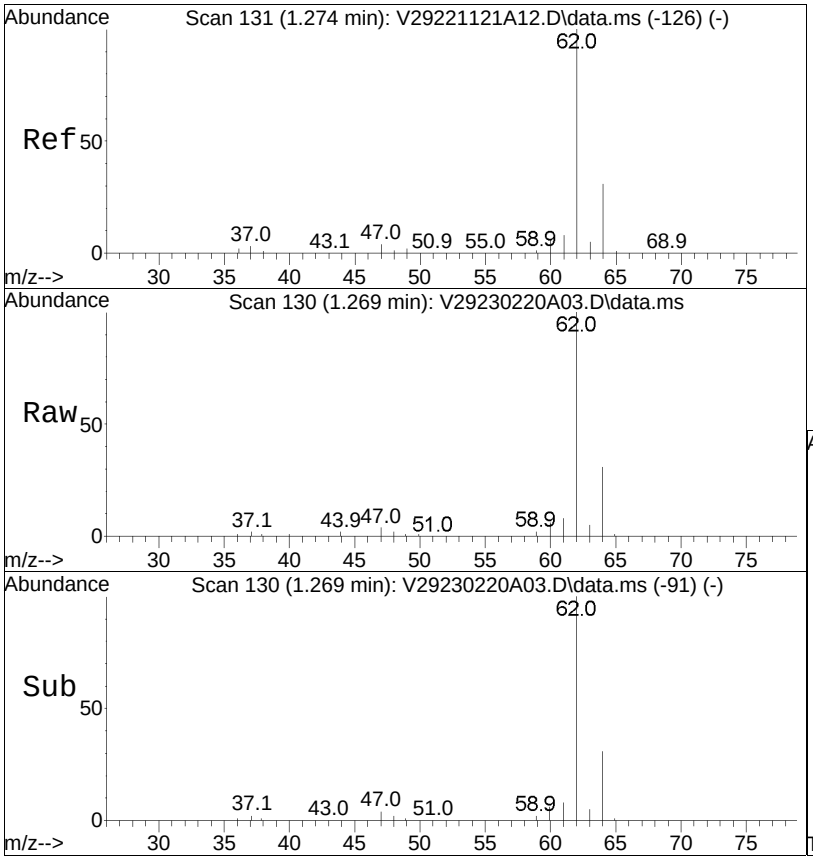


#3
Chloromethane
Concen: 34.66 ug/L
RT: 1.216 min Scan# 120
Delta R.T. 0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 50 Resp: 119284

Ion	Ratio	Lower	Upper
50	100		
52	32.0	12.9	52.9
47	7.9	0.0	28.3

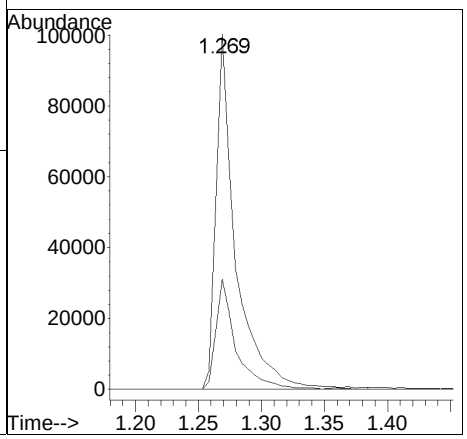


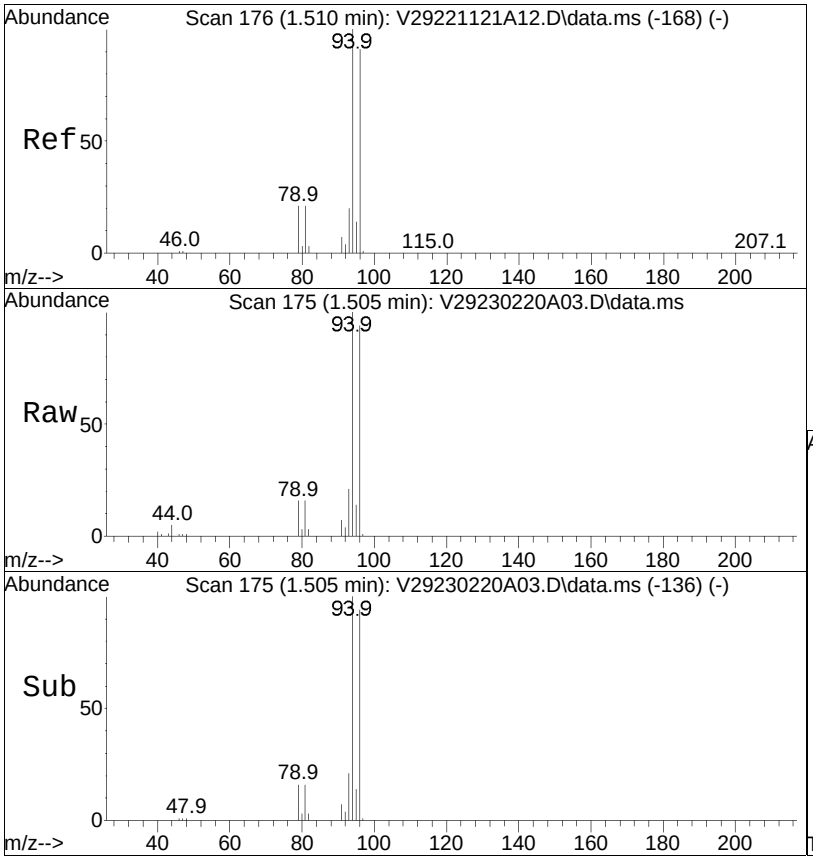


#4
Vinyl chloride
Concen: 31.22 ug/L
RT: 1.269 min Scan# 130
Delta R.T. 0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 62 Resp: 109590

Ion	Ratio	Lower	Upper
62	100		
64	31.4	9.1	49.1

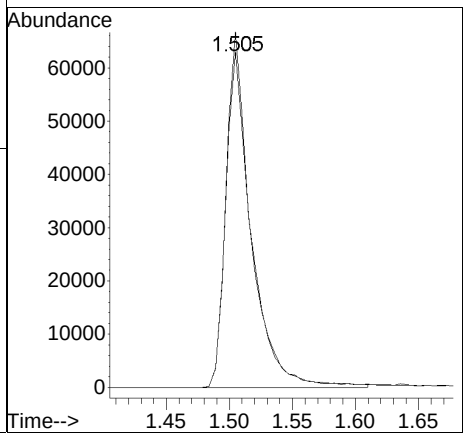


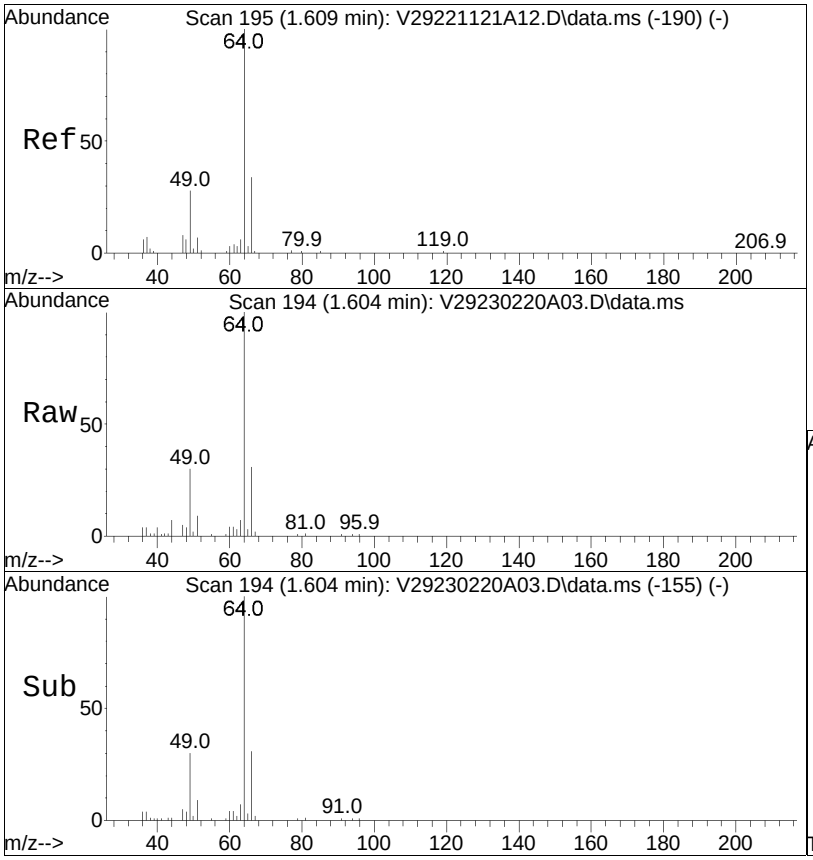


#5
Bromomethane
Concen: 32.72 ug/L
RT: 1.505 min Scan# 175
Delta R.T. 0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 94 Resp: 92104

Ion	Ratio	Lower	Upper
94	100		
96	97.4	75.6	115.6

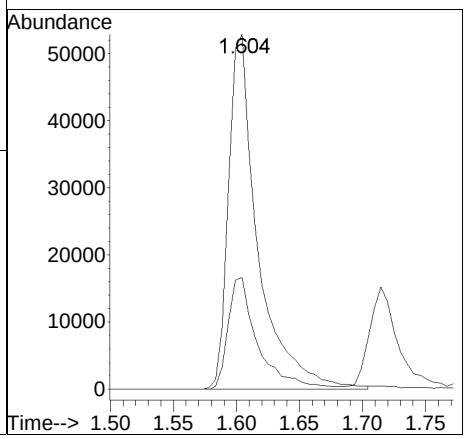


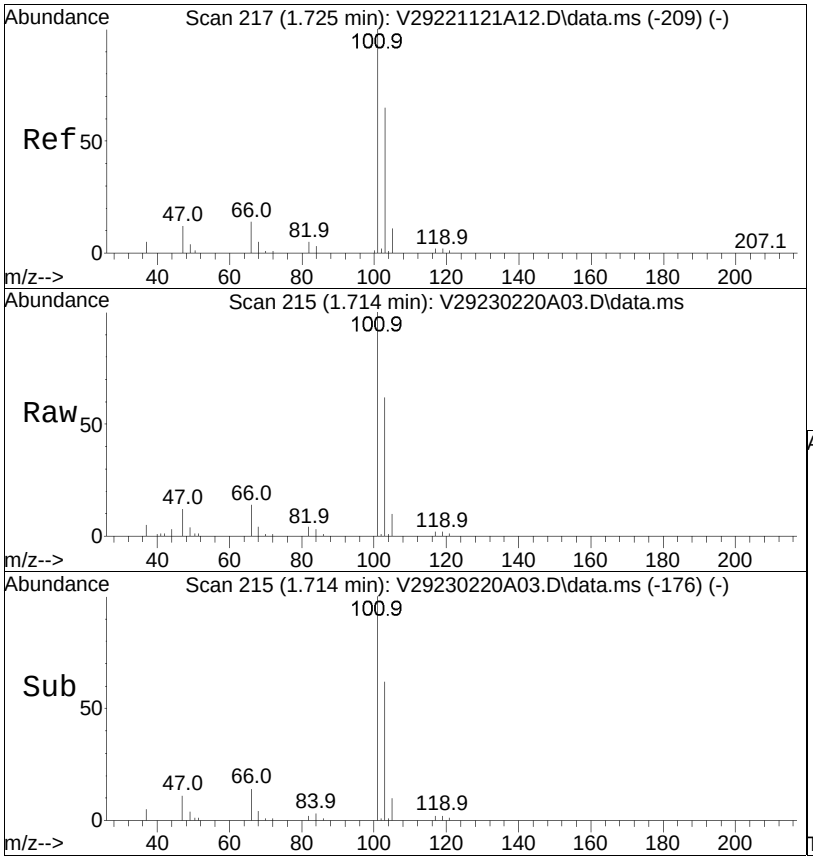


#6
Chloroethane
Concen: 36.71 ug/L
RT: 1.604 min Scan# 194
Delta R.T. 0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 64 Resp: 85807

Ion	Ratio	Lower	Upper
64	100		
66	32.1	9.8	49.8

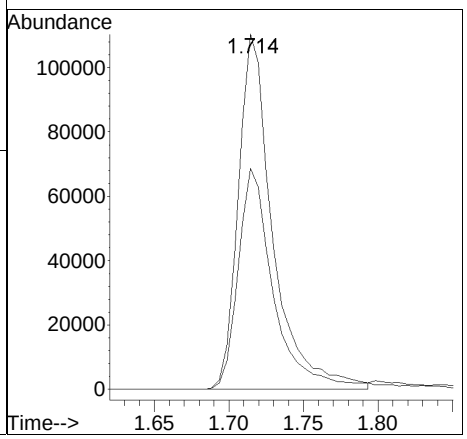


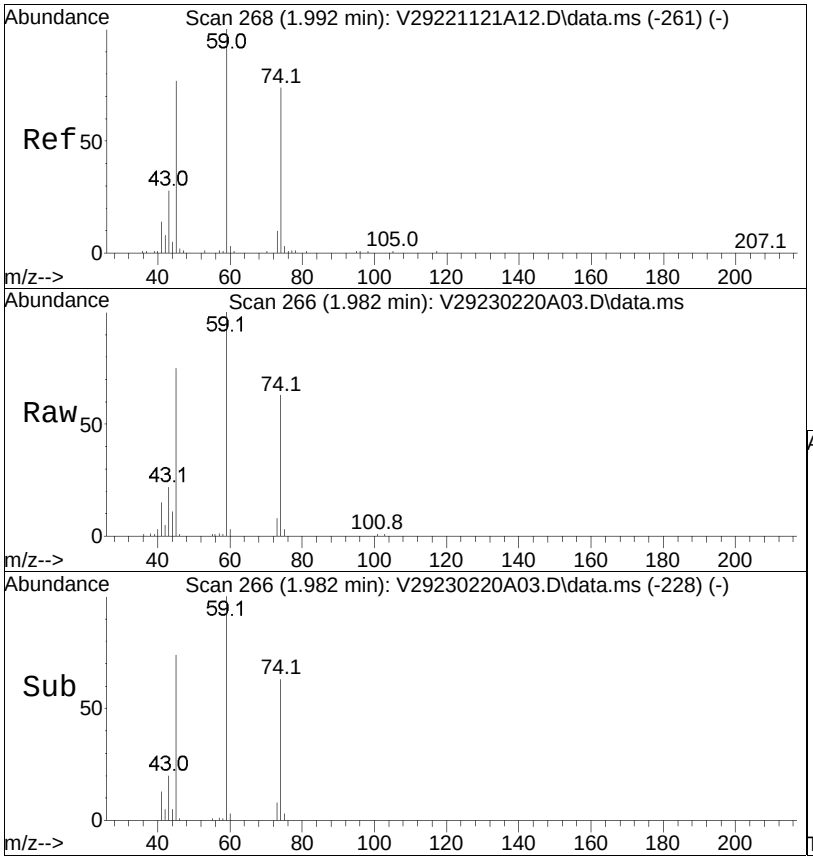


#7
Trichlorofluoromethane
Concen: 33.83 ug/L
RT: 1.714 min Scan# 215
Delta R.T. 0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:101 Resp: 178244

Ion	Ratio	Lower	Upper
101	100		
103	66.0	53.8	80.6

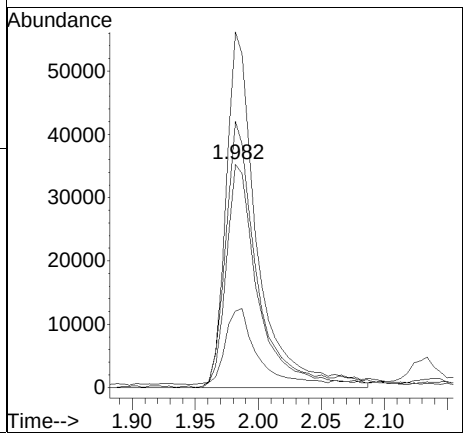


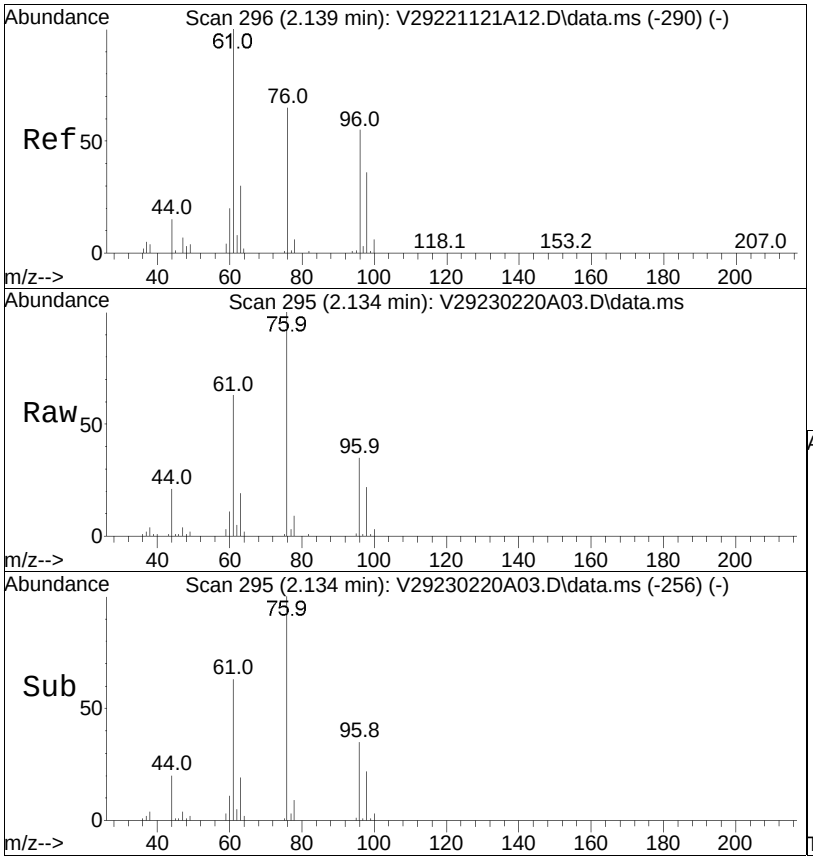


#8
Ethyl ether
Concen: 37.90 ug/L
RT: 1.982 min Scan# 266
Delta R.T. -0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 74 Resp: 62828

Ion	Ratio	Lower	Upper
74	100		
59	155.6	122.2	253.8
45	114.9	91.9	190.9
43	33.4	25.2	52.2

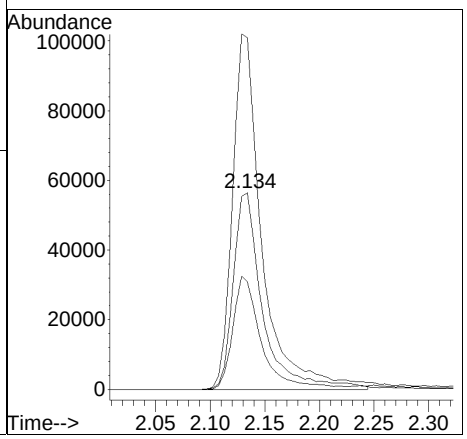


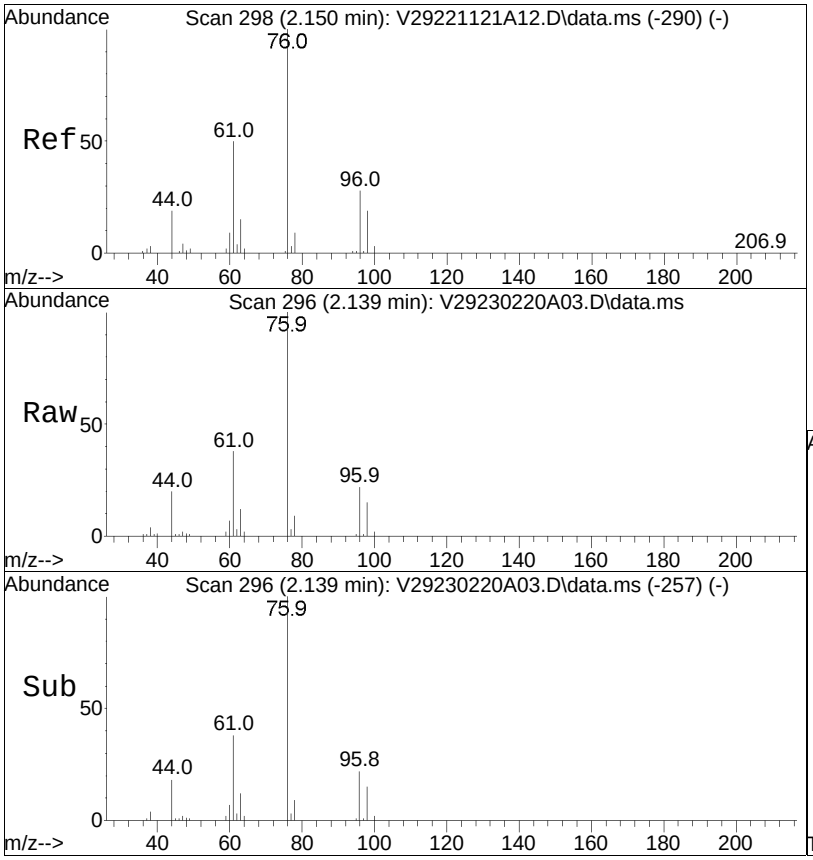


#10
1,1-Dichloroethene
Concen: 34.58 ug/L
RT: 2.134 min Scan# 295
Delta R.T. 0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 96 Resp: 106105

Ion	Ratio	Lower	Upper
96	100		
61	182.7	186.1	279.1#
63	55.8	57.6	86.4#

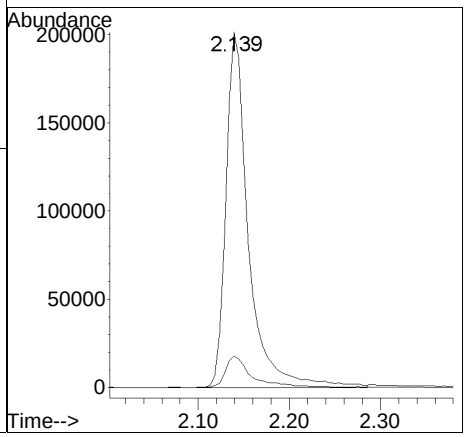


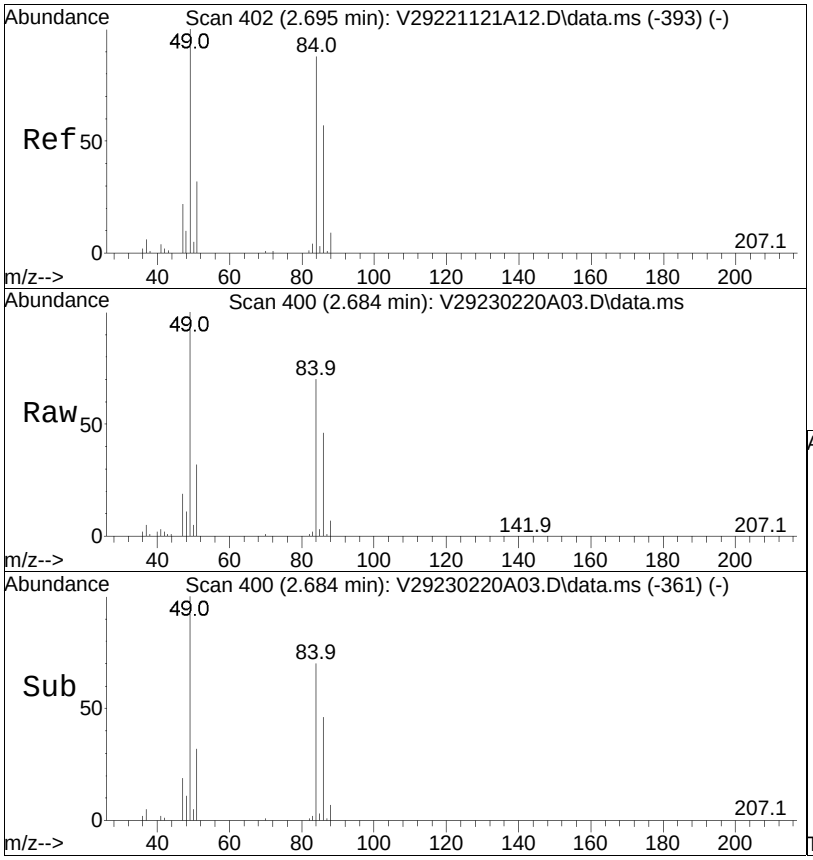


#11
Carbon disulfide
Concen: 54.52 ug/L
RT: 2.139 min Scan# 296
Delta R.T. 0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 76 Resp: 346875

Ion	Ratio	Lower	Upper
76	100		
78	10.2	5.7	11.7

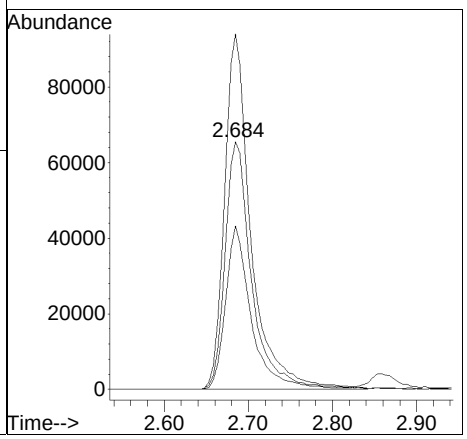


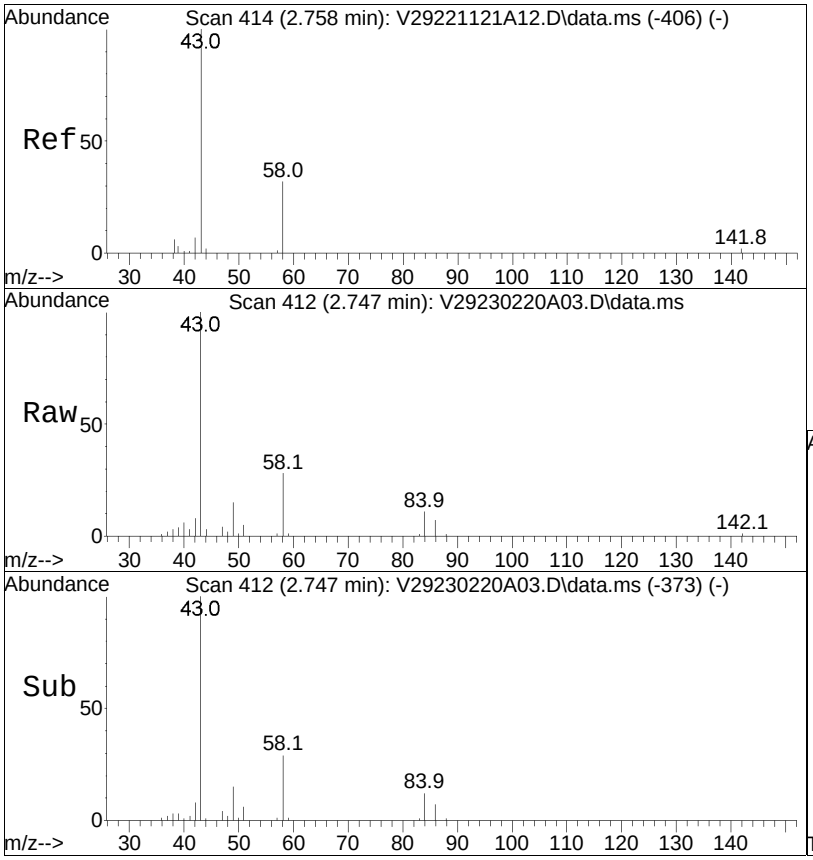


#15
Methylene chloride
Concen: 40.11 ug/L
RT: 2.684 min Scan# 400
Delta R.T. 0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 84 Resp: 145190

Ion	Ratio	Lower	Upper
84	100		
86	63.5	40.4	83.8
49	141.4	120.0	249.2

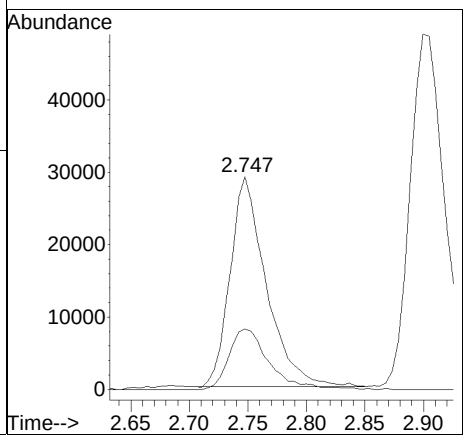


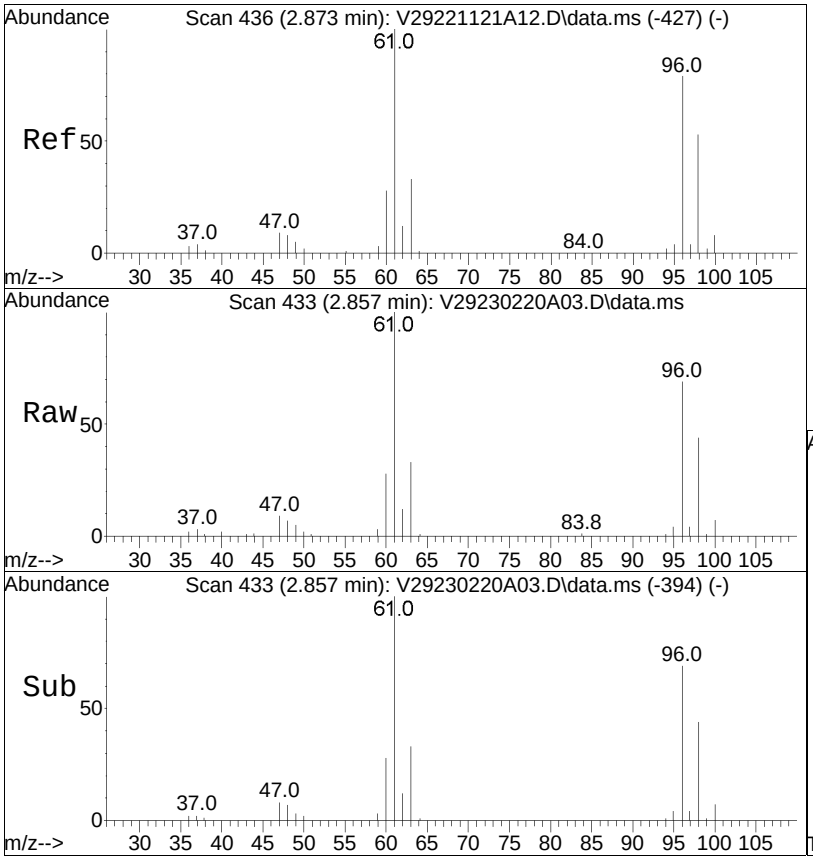


#17
Acetone
Concen: 65.30 ug/L
RT: 2.747 min Scan# 412
Delta R.T. 0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 43 Resp: 62425

Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.2	36.4

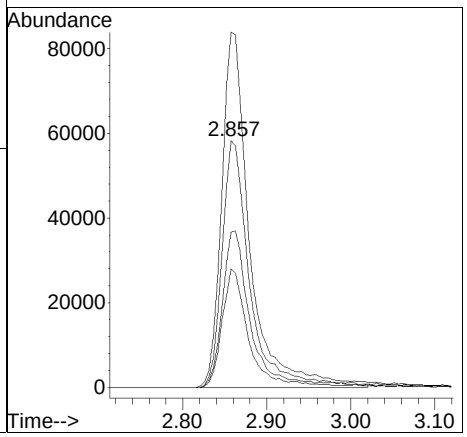


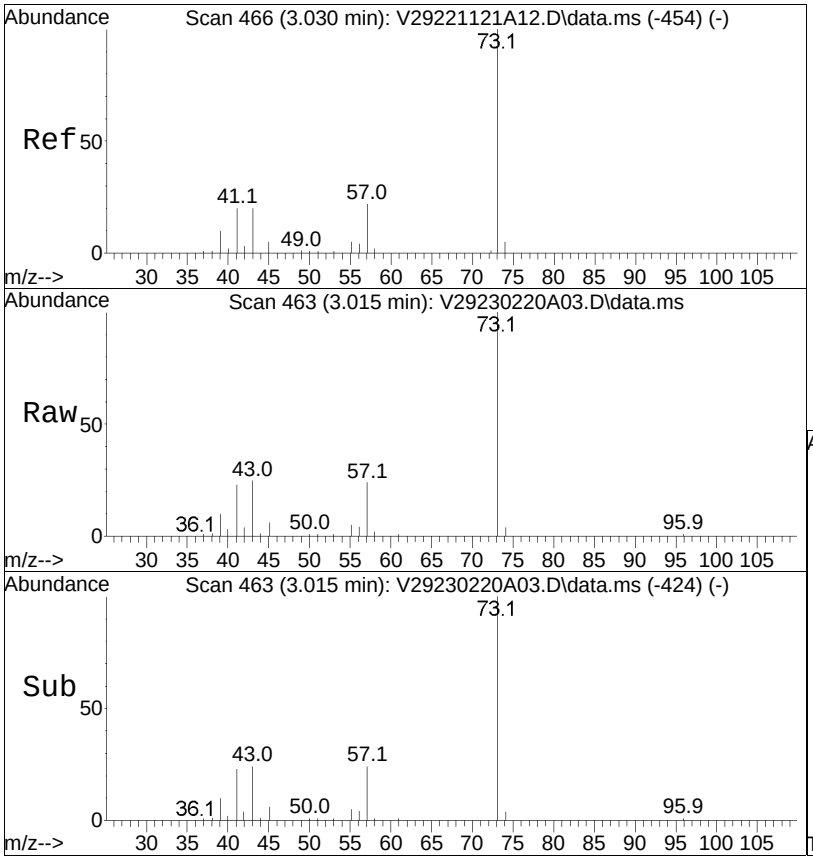


#18
trans-1,2-Dichloroethene
Concen: 39.27 ug/L
RT: 2.857 min Scan# 433
Delta R.T. 0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 96 Resp: 135332

Ion	Ratio	Lower	Upper
96	100		
61	145.6	124.0	257.6
98	62.7	41.2	85.6
63	45.8	38.4	79.7

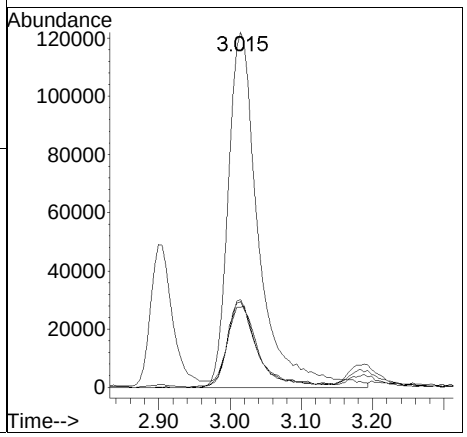


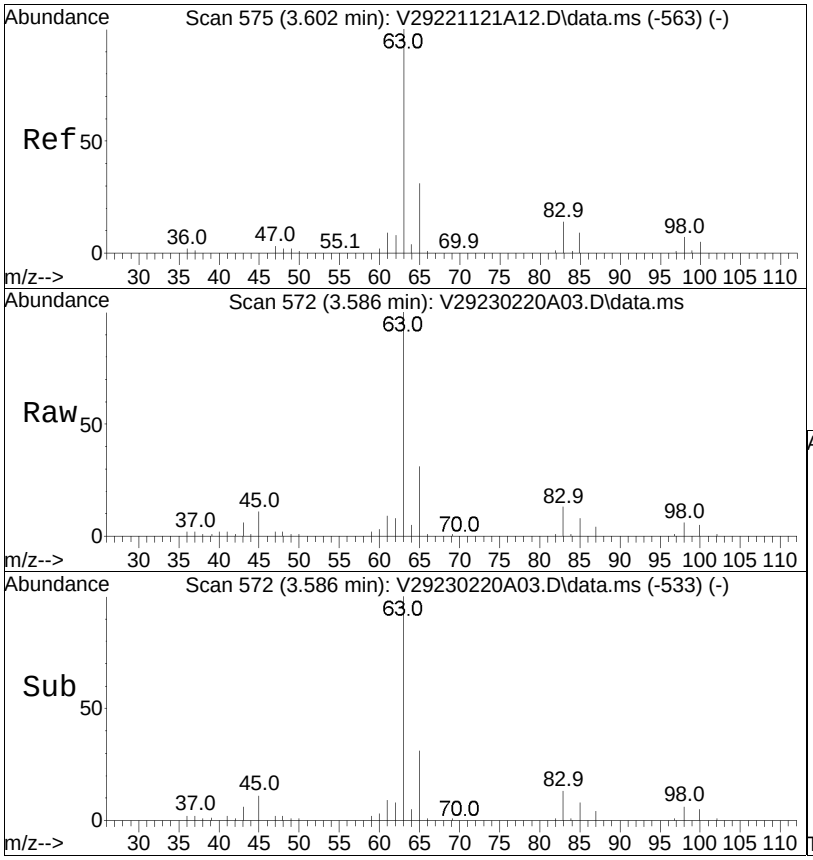


#20
Methyl tert-butyl ether
Concen: 44.80 ug/L
RT: 3.015 min Scan# 463
Delta R.T. 0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 73 Resp: 363341

Ion	Ratio	Lower	Upper
73	100		
57	24.2	17.5	36.3
43	20.3	15.3	31.9
41	22.7	15.3	31.7

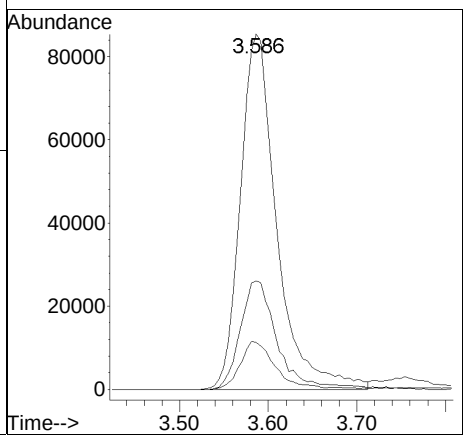


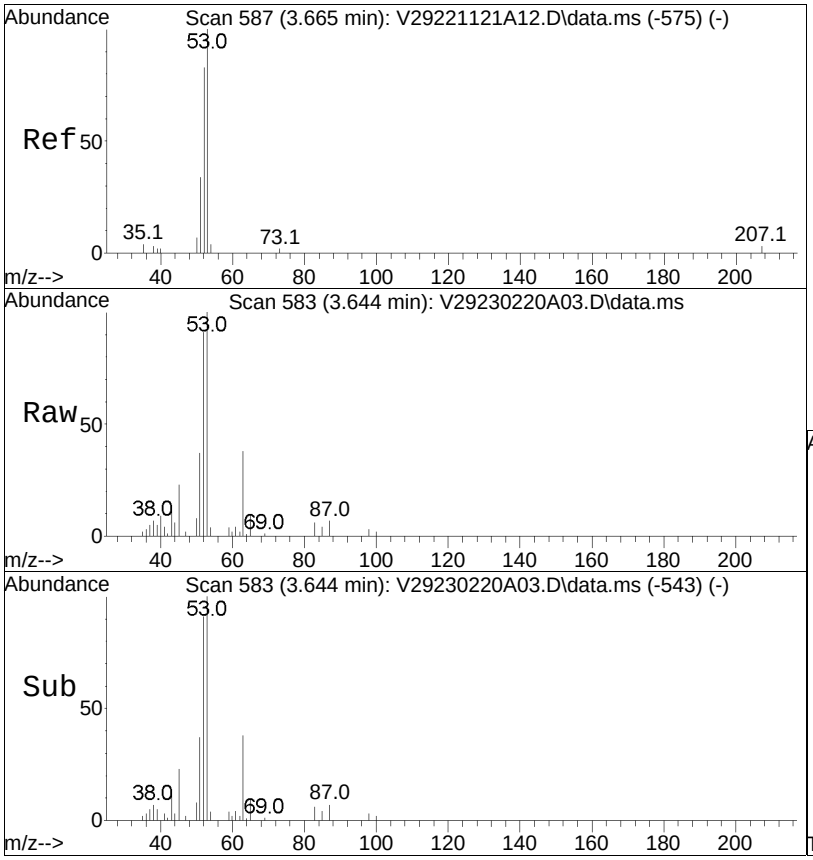


#23
1,1-Dichloroethane
Concen: 43.41 ug/L
RT: 3.586 min Scan# 572
Delta R.T. 0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 63 Resp: 244012

Ion	Ratio	Lower	Upper
63	100		
65	31.4	11.0	51.0
83	12.9	0.0	31.8

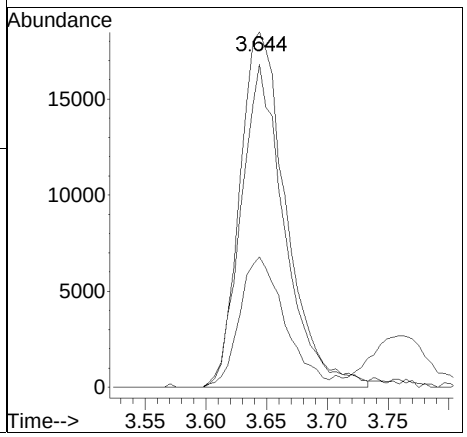


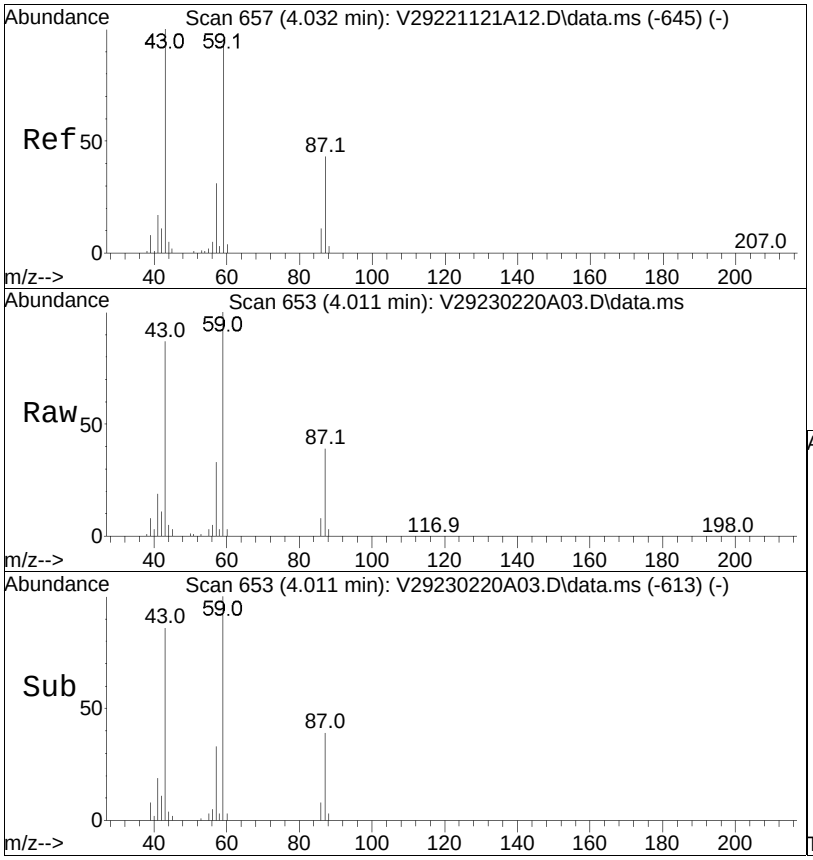


#25
Acrylonitrile
Concen: 47.65 ug/L
RT: 3.644 min Scan# 583
Delta R.T. 0.010 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 53 Resp: 49274

Ion	Ratio	Lower	Upper
53	100		
52	85.9	66.7	100.1
51	35.8	30.6	46.0

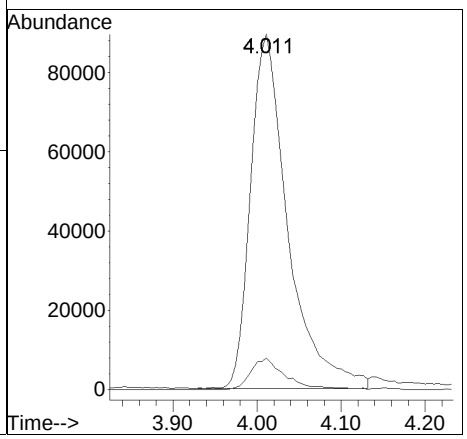


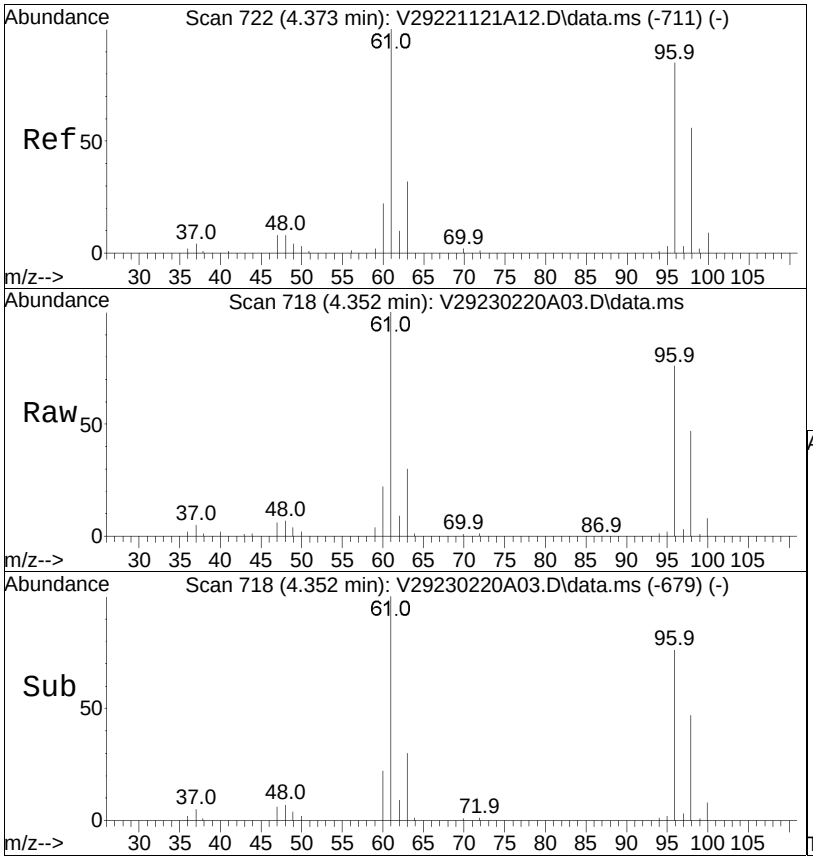


#27
Vinyl acetate
Concen: 38.48 ug/L
RT: 4.011 min Scan# 653
Delta R.T. 0.010 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 43 Resp: 276372

Ion	Ratio	Lower	Upper
43	100		
86	8.1	5.2	7.8#

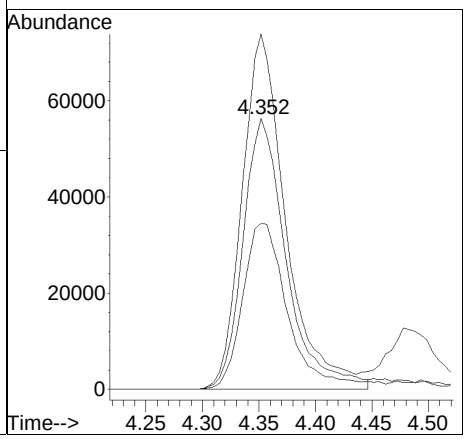


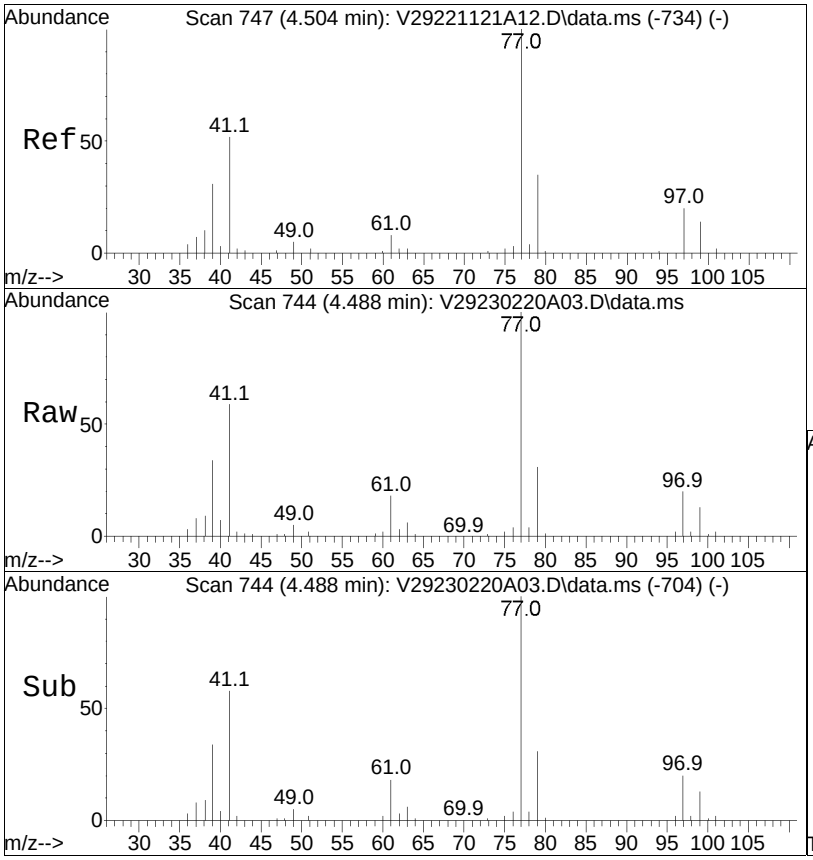


#28
cis-1,2-Dichloroethene
Concen: 39.56 ug/L
RT: 4.352 min Scan# 718
Delta R.T. 0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 96 Resp: 150682

Ion	Ratio	Lower	Upper
96	100		
61	130.9	149.4	224.2#
98	64.6	53.4	80.2

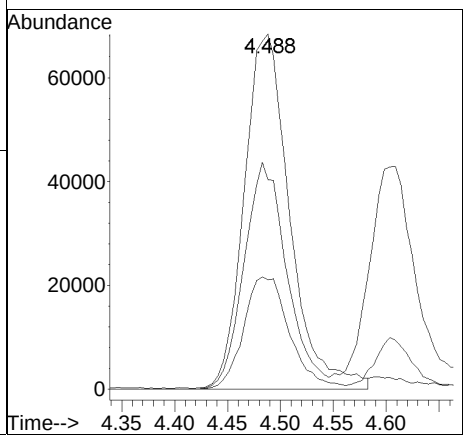


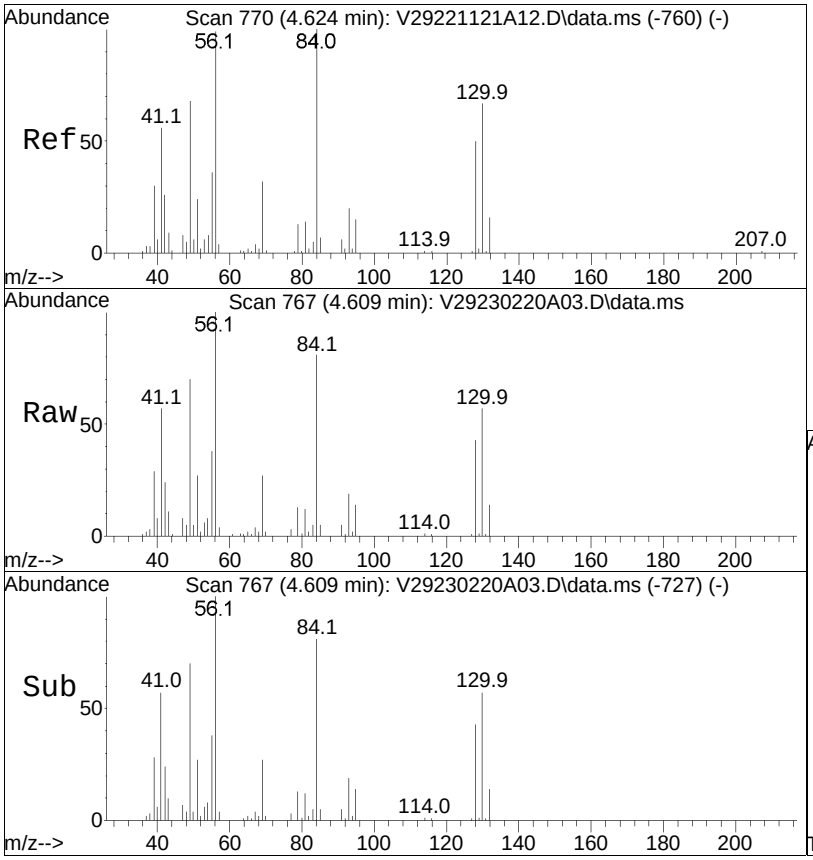


#29
2,2-Dichloropropane
Concen: 39.97 ug/L
RT: 4.488 min Scan# 744
Delta R.T. 0.010 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 77 Resp: 205487

Ion	Ratio	Lower	Upper
77	100		
41	59.2	38.0	78.8
79	32.1	20.5	42.5

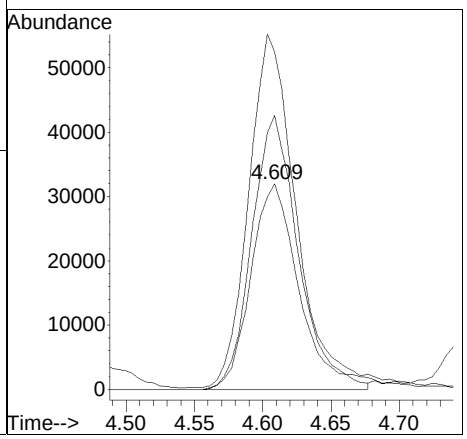


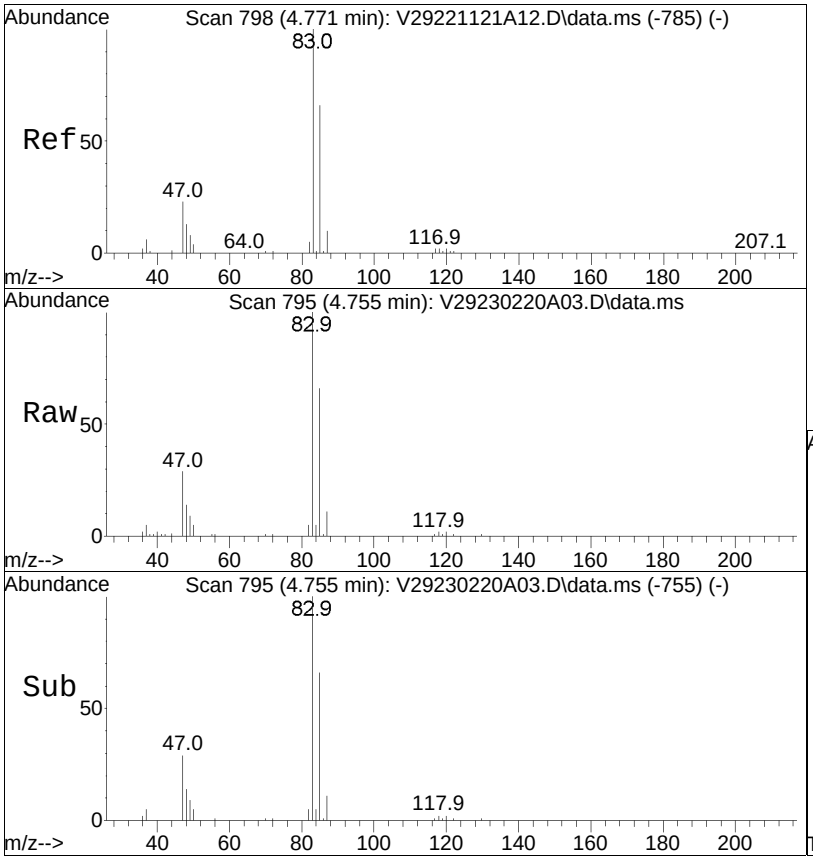


#30
Bromochloromethane
Concen: 39.80 ug/L
RT: 4.609 min Scan# 767
Delta R.T. 0.011 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:128 Resp: 78089

Ion	Ratio	Lower	Upper
128	100		
49	172.3	223.0	334.4#
130	131.6	111.4	167.0

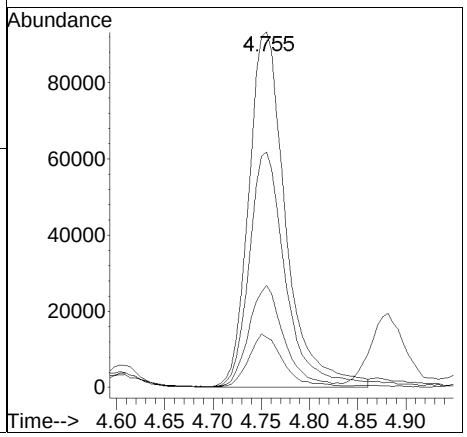


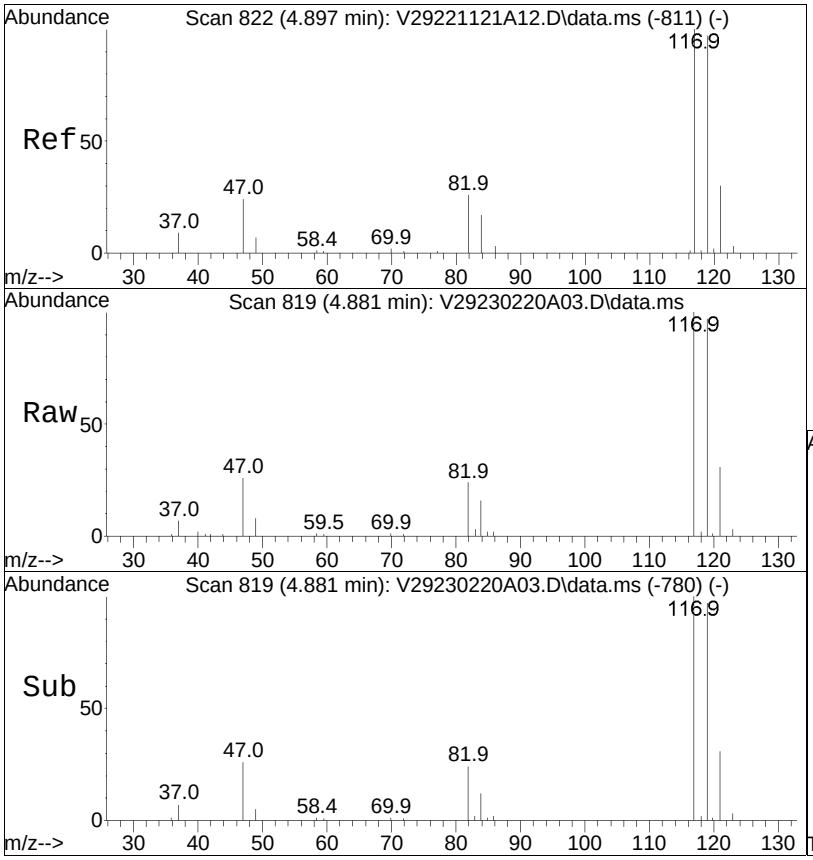


#32
Chloroform
Concen: 41.02 ug/L
RT: 4.755 min Scan# 795
Delta R.T. 0.010 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 83 Resp: 250138

Ion	Ratio	Lower	Upper
83	100		
85	66.6	41.5	86.1
47	26.9	19.0	39.4
48	14.2	9.9	20.5

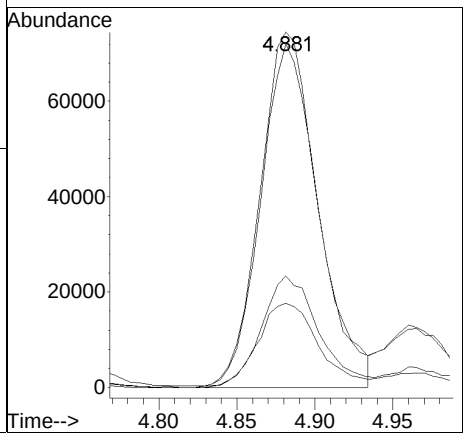


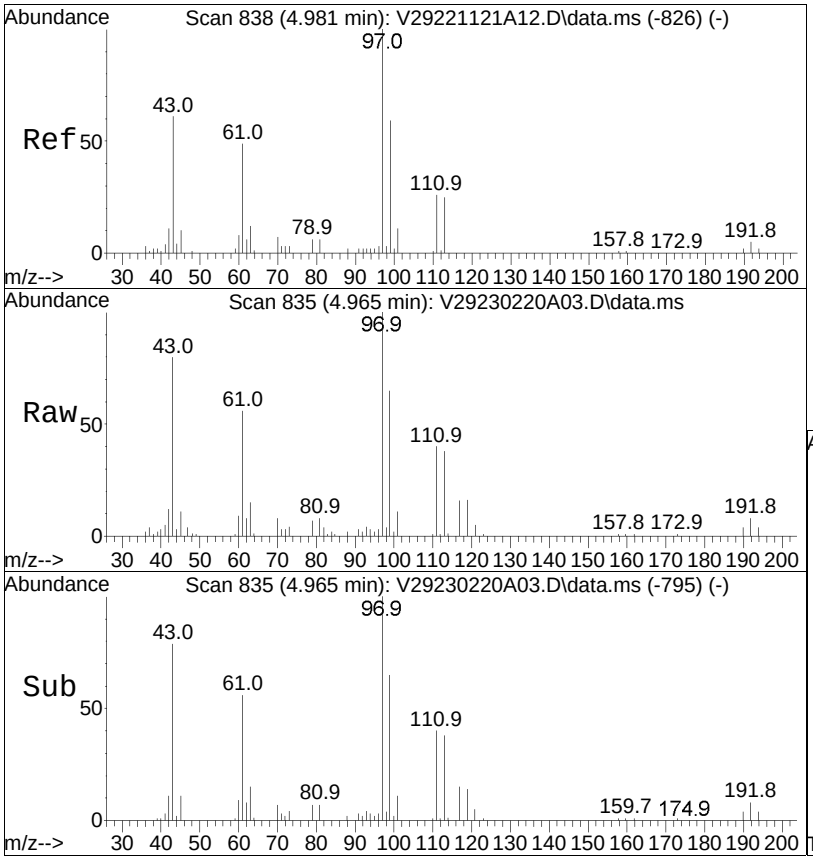


#34
Carbon tetrachloride
Concen: 39.30 ug/L
RT: 4.881 min Scan# 819
Delta R.T. 0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:117 Resp: 192949

Ion	Ratio	Lower	Upper
117	100		
119	95.8	62.4	129.6
121	31.2	19.5	40.5
82	24.4	17.0	35.4

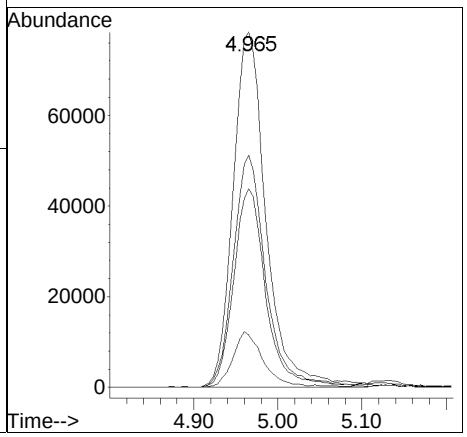


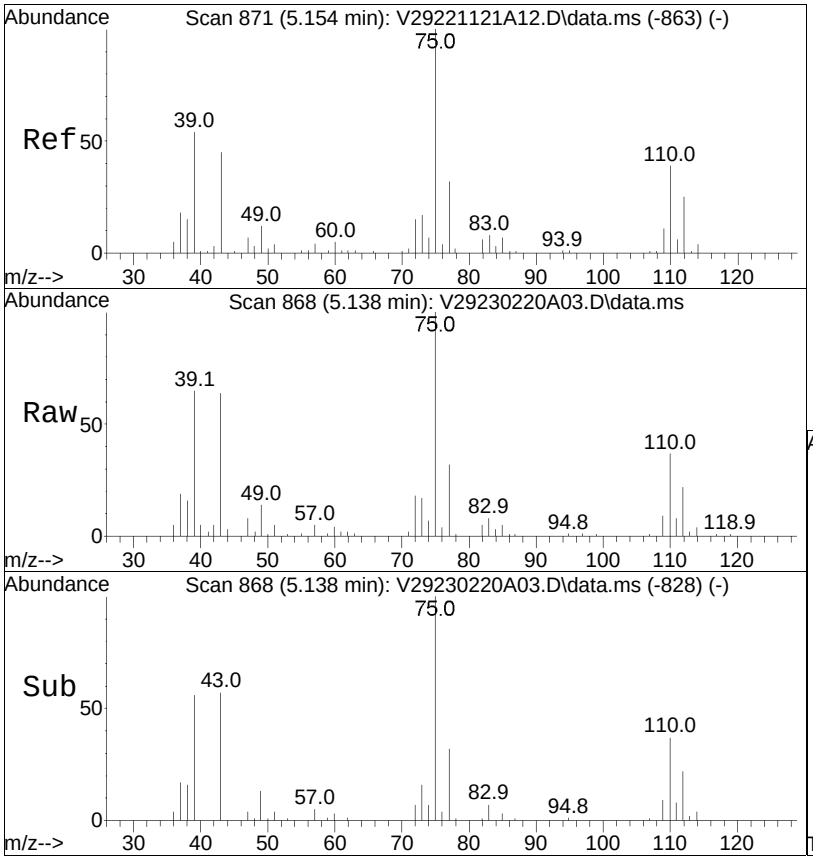


#37
1,1,1-Trichloroethane
Concen: 40.45 ug/L
RT: 4.965 min Scan# 835
Delta R.T. 0.010 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 97 Resp: 215716

Ion	Ratio	Lower	Upper
97	100		
99	64.1	40.7	84.5
61	54.1	35.4	73.4
63	14.4	5.0	10.4#

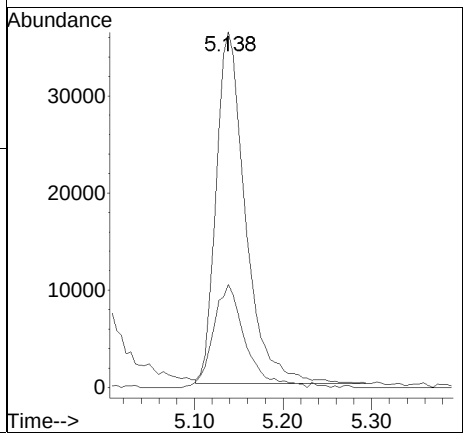


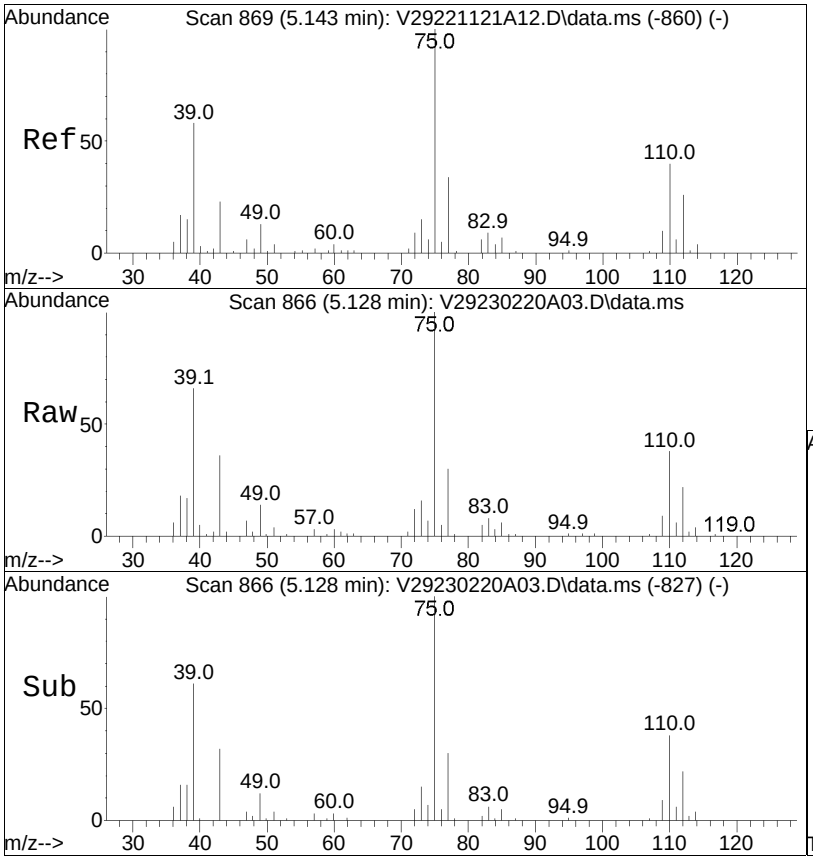


#39
2-Butanone
Concen: 54.11 ug/L
RT: 5.138 min Scan# 868
Delta R.T. 0.010 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 43 Resp: 83554

Ion	Ratio	Lower	Upper
43	100		
72	31.6	10.9	16.3#

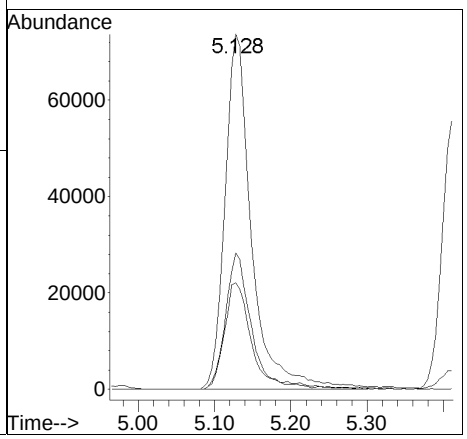


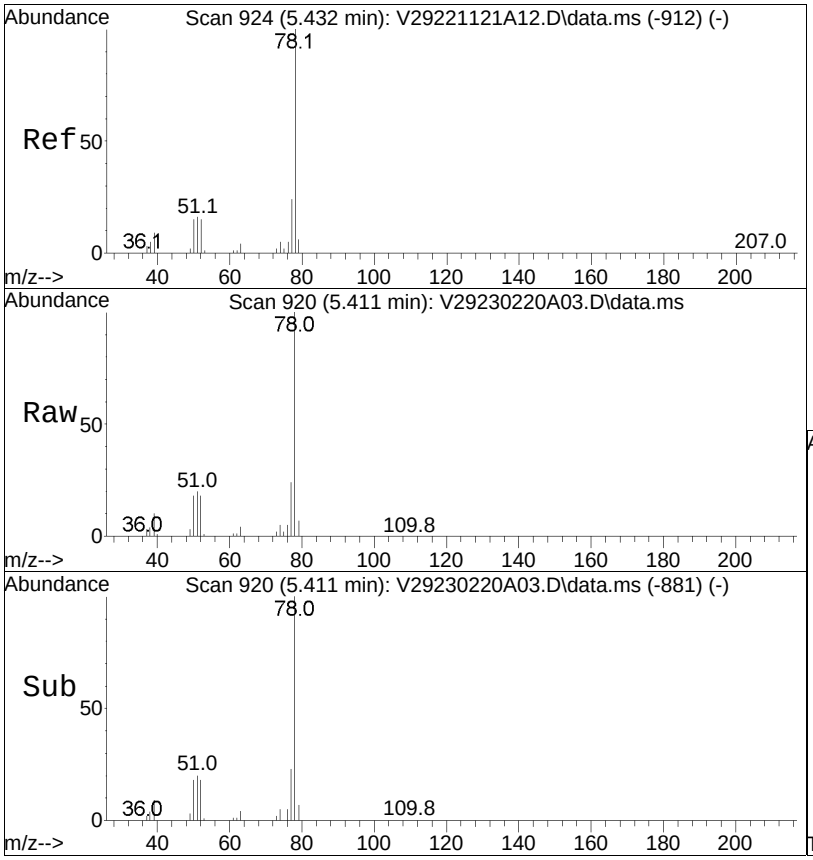


#40
1,1-Dichloropropene
Concen: 40.96 ug/L
RT: 5.128 min Scan# 866
Delta R.T. 0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 75 Resp: 179606

Ion	Ratio	Lower	Upper
75	100		
110	37.9	20.2	41.9
77	29.5	20.1	41.7

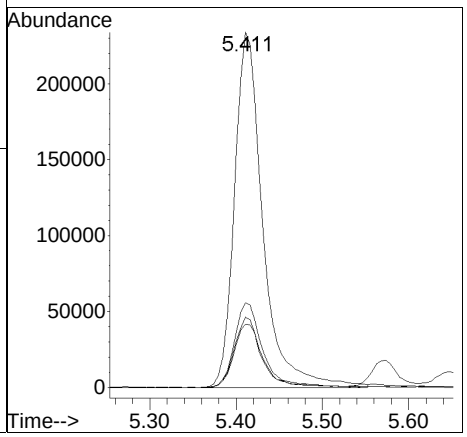


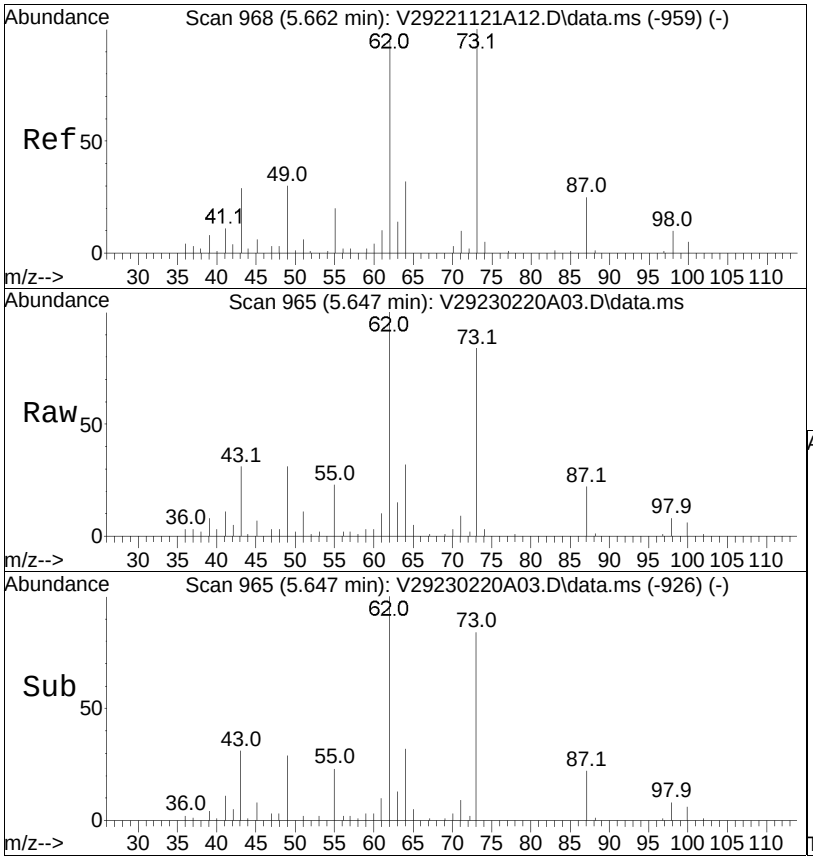


#41
Benzene
Concen: 40.94 ug/L
RT: 5.411 min Scan# 920
Delta R.T. 0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 78 Resp: 536810

Ion	Ratio	Lower	Upper
78	100		
77	23.8	15.7	32.7
51	19.3	16.0	33.2
52	18.1	15.3	31.9

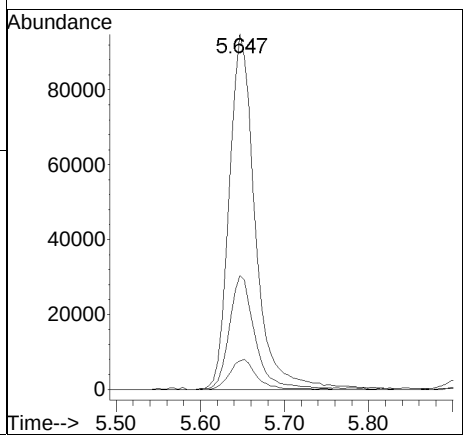


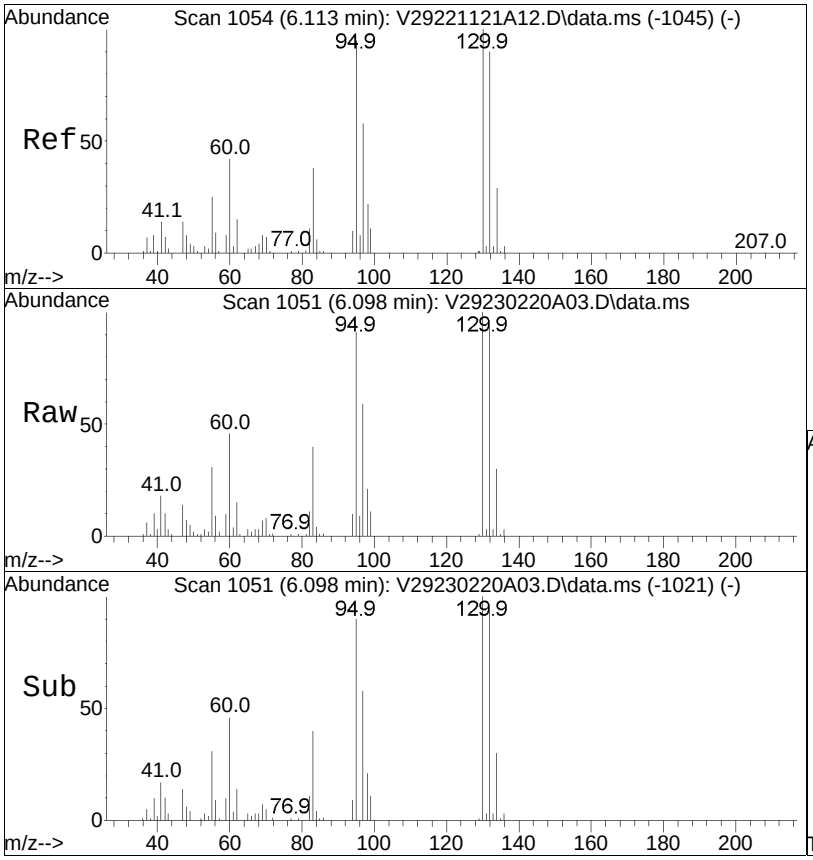


#44
1,2-Dichloroethane
Concen: 47.46 ug/L
RT: 5.647 min Scan# 965
Delta R.T. 0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 62 Resp: 205463

Ion	Ratio	Lower	Upper
62	100		
64	31.5	11.2	51.2
98	8.4	0.0	26.1

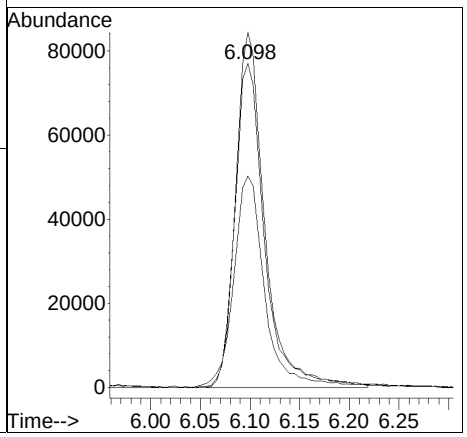


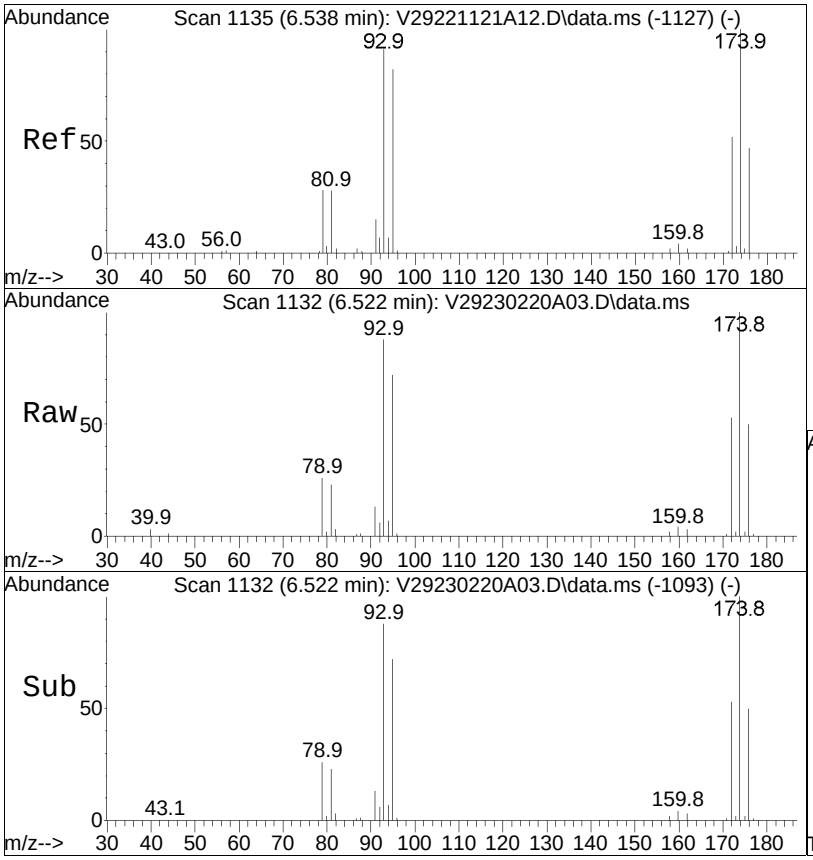


#48
Trichloroethene
Concen: 43.27 ug/L
RT: 6.098 min Scan# 1051
Delta R.T. 0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 95 Resp: 161299

Ion	Ratio	Lower	Upper
95	100		
97	68.2	55.5	83.3
130	107.6	76.6	115.0

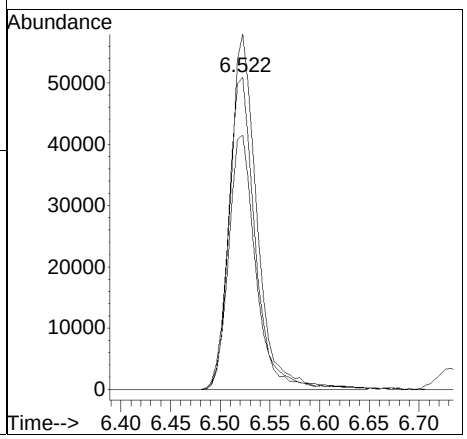


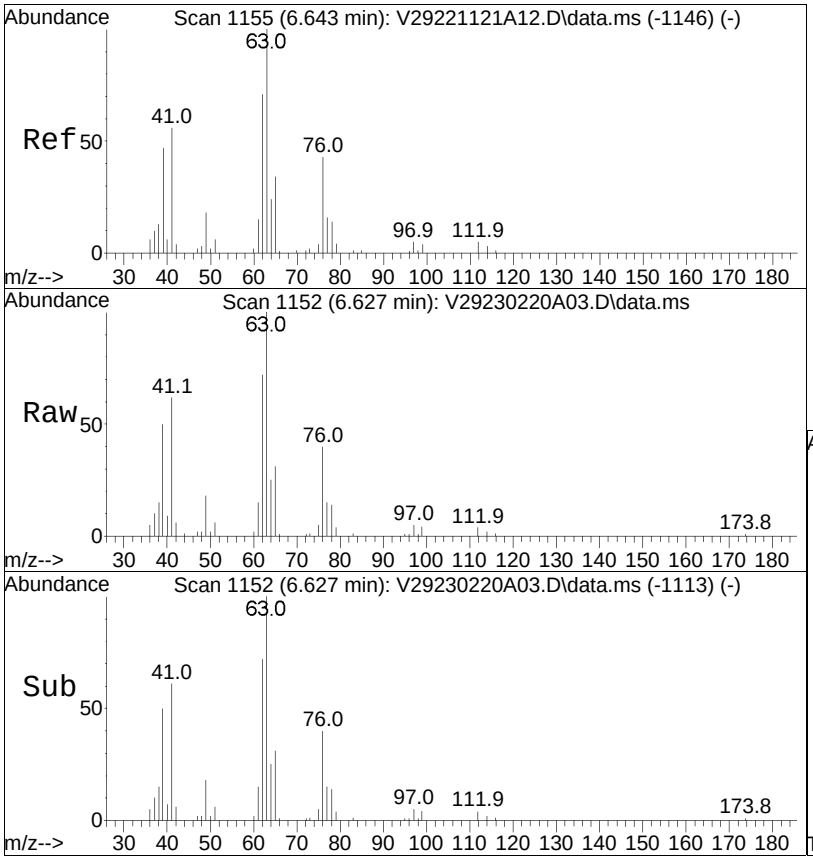


#50
Dibromomethane
Concen: 43.40 ug/L
RT: 6.522 min Scan# 1132
Delta R.T. 0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 93 Resp: 95483

Ion	Ratio	Lower	Upper
93	100		
95	83.2	67.0	100.4
174	113.9	75.0	112.4#

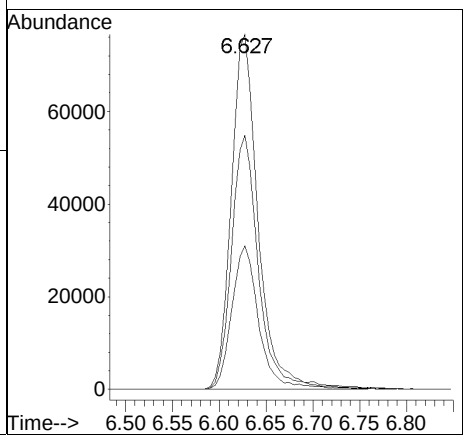


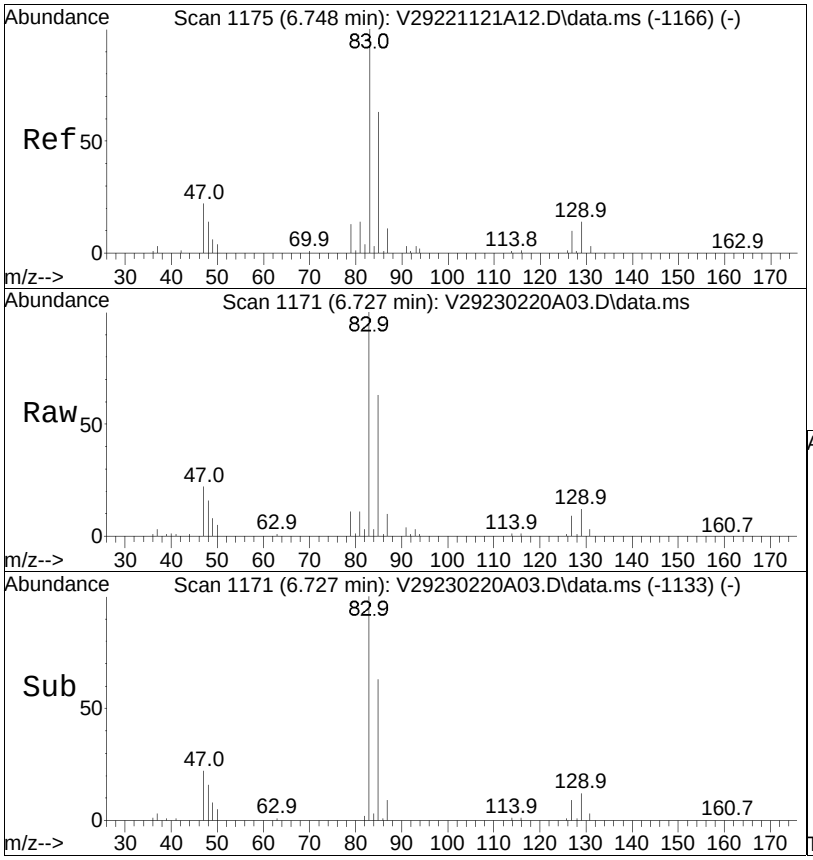


#51
1,2-Dichloropropane
Concen: 43.96 ug/L
RT: 6.627 min Scan# 1152
Delta R.T. 0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 63 Resp: 153974

Ion	Ratio	Lower	Upper
63	100		
62	71.7	58.6	87.8
76	40.9	38.0	57.0

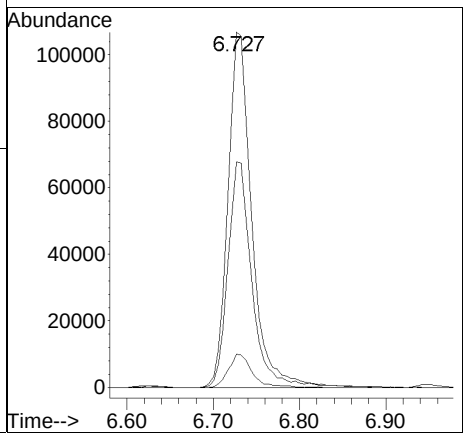


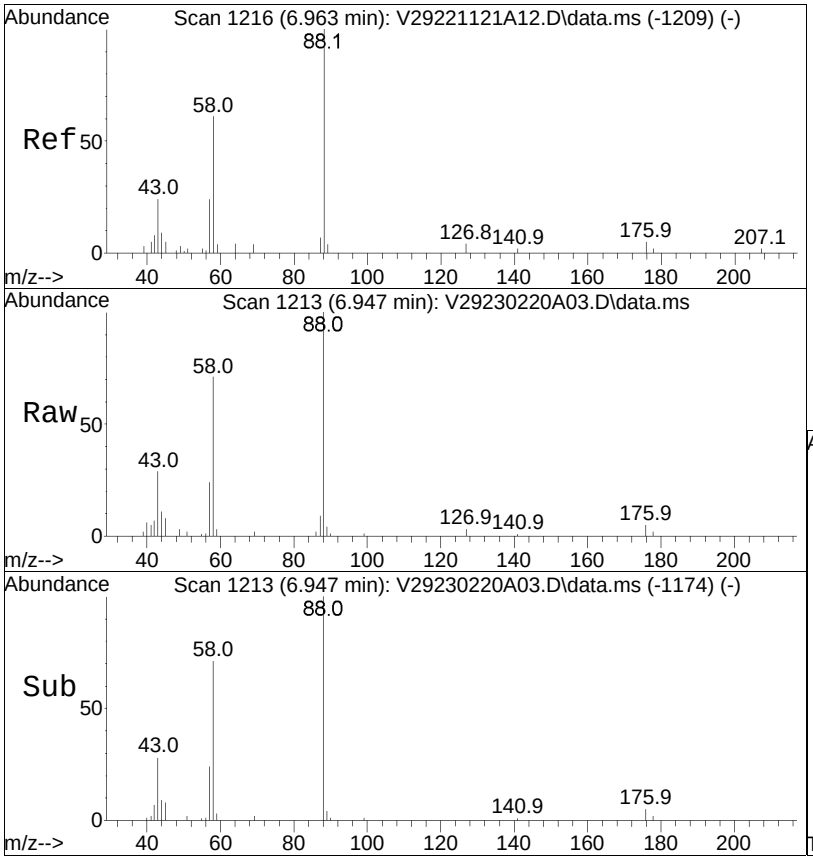


#54
Bromodichloromethane
Concen: 43.72 ug/L
RT: 6.727 min Scan# 1171
Delta R.T. -0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 83 Resp: 205522

Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.3	78.5
127	9.2	6.2	9.4

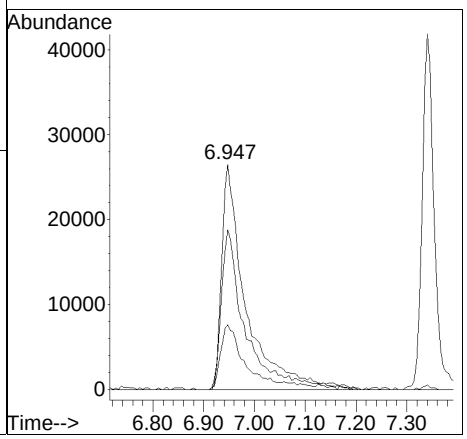


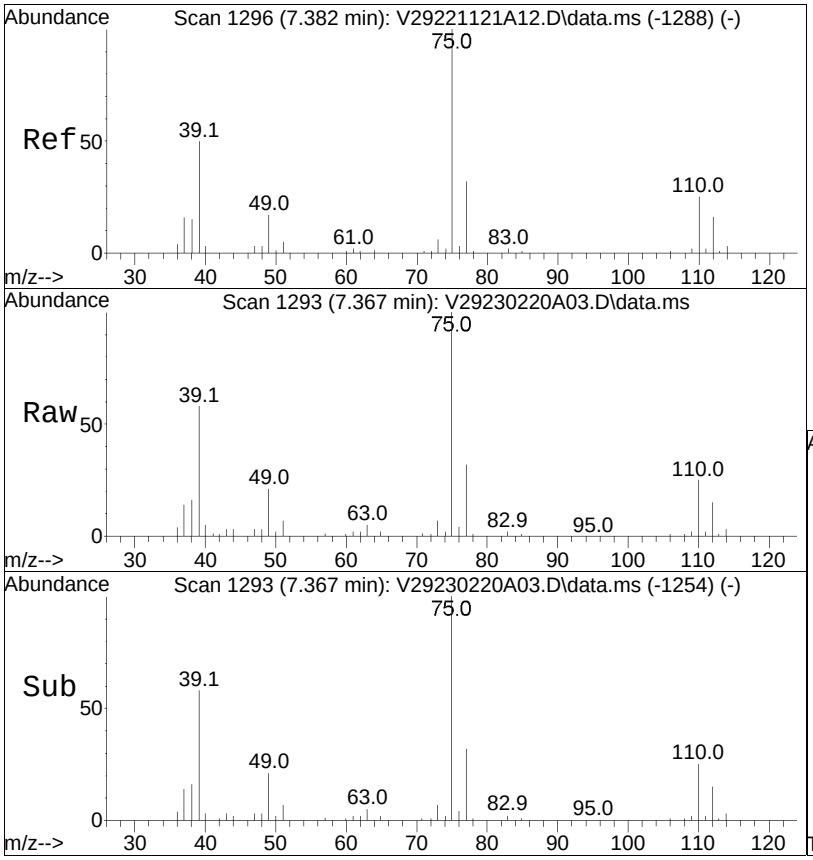


#57
1,4-Dioxane
Concen: 2172.65 ug/L M1
RT: 6.947 min Scan# 1213
Delta R.T. 0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 88 Resp: 87766

Ion	Ratio	Lower	Upper
88	100		
58	68.9	76.7	115.1#
43	28.1	36.2	54.2#

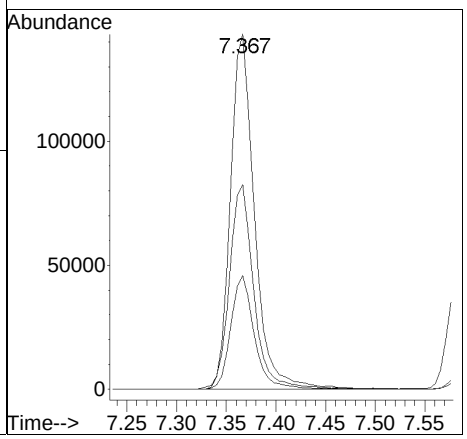


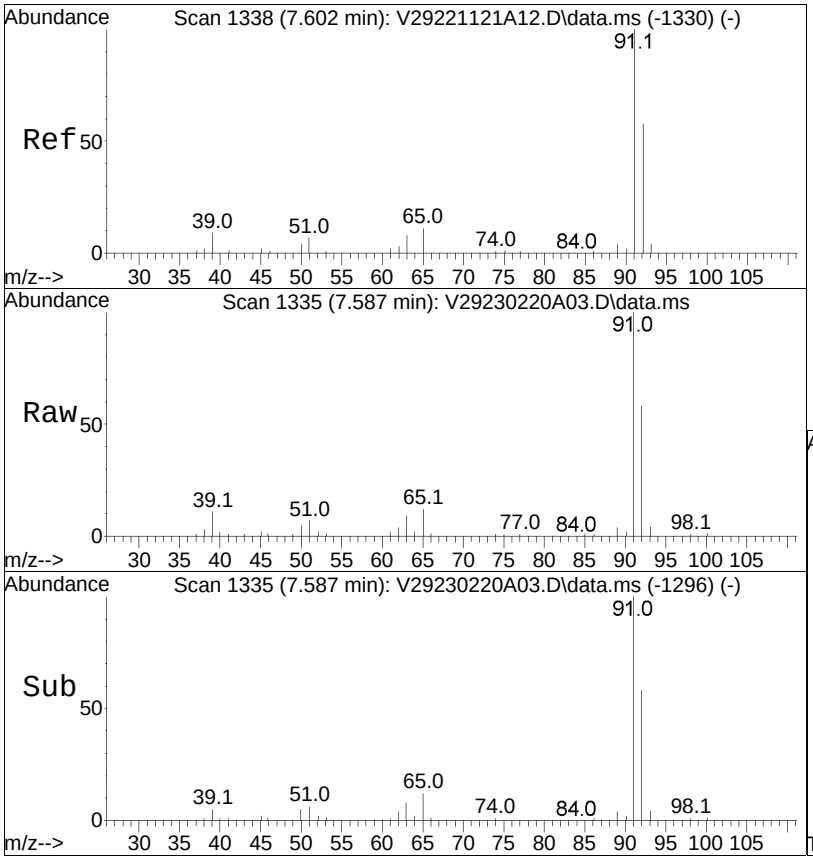


#58
cis-1,3-Dichloropropene
Concen: 42.48 ug/L
RT: 7.367 min Scan# 1293
Delta R.T. 0.006 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 75 Resp: 242591

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.4
39	58.5	50.1	75.1

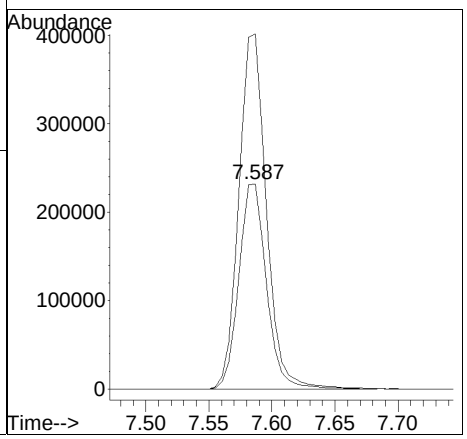


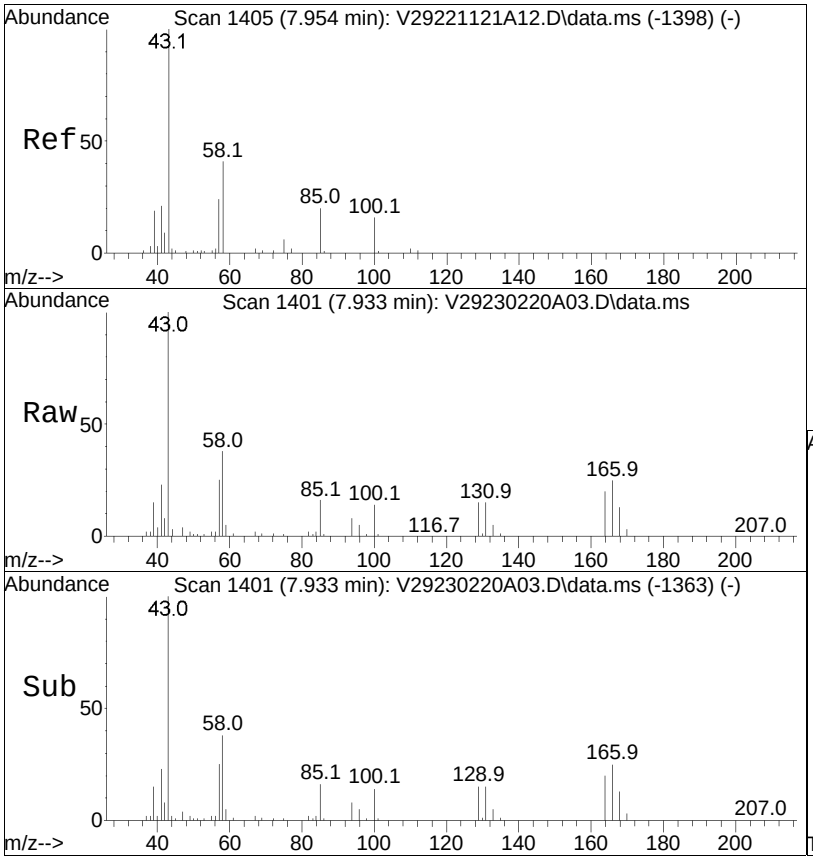


#61
Toluene
Concen: 42.18 ug/L
RT: 7.587 min Scan# 1335
Delta R.T. 0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 92 Resp: 356125

Ion	Ratio	Lower	Upper
92	100		
91	171.8	139.8	209.6

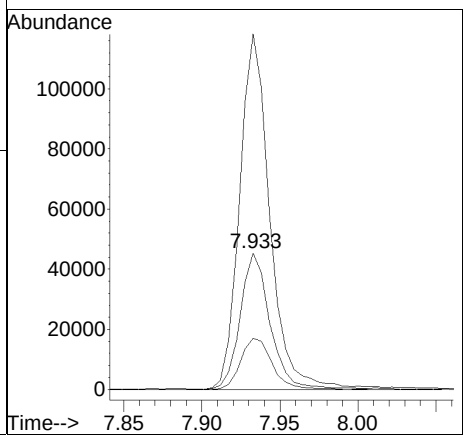


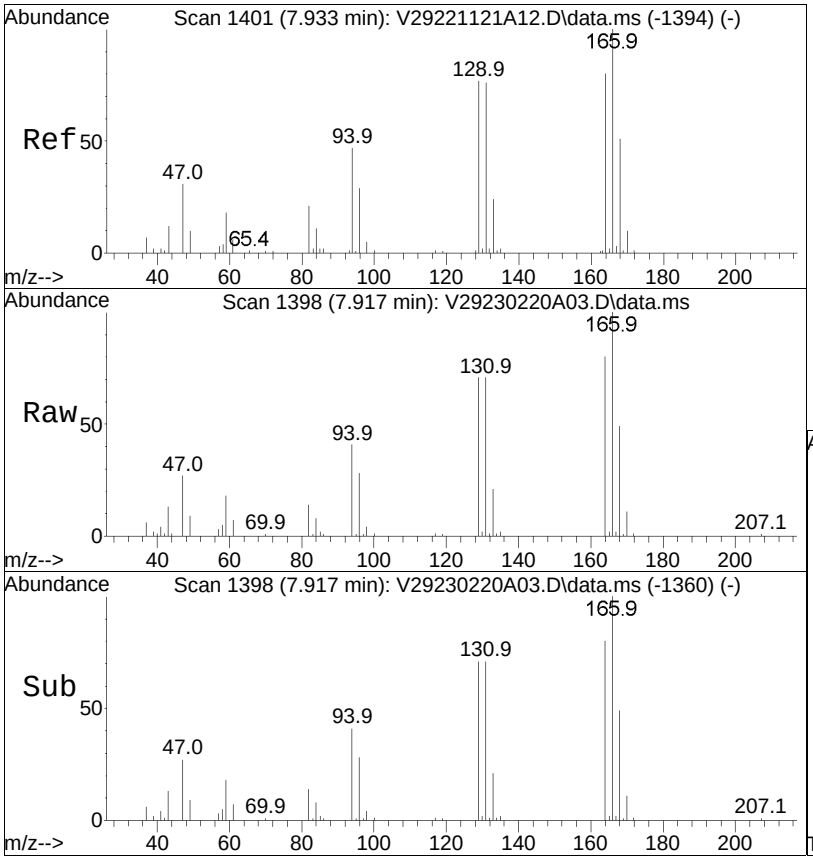


#62
4-Methyl-2-pentanone
Concen: 45.56 ug/L
RT: 7.933 min Scan# 1401
Delta R.T. -0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 58 Resp: 60771

Ion	Ratio	Lower	Upper
58	100		
100	39.1	20.2	30.2#
43	265.8	196.6	295.0

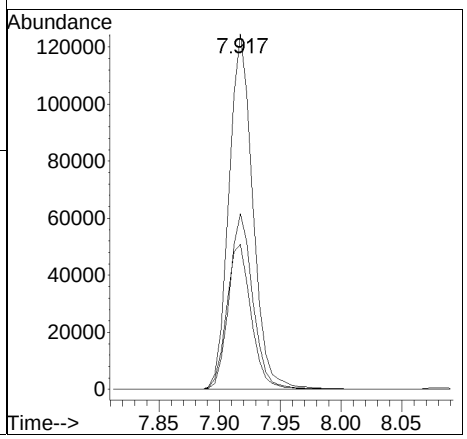


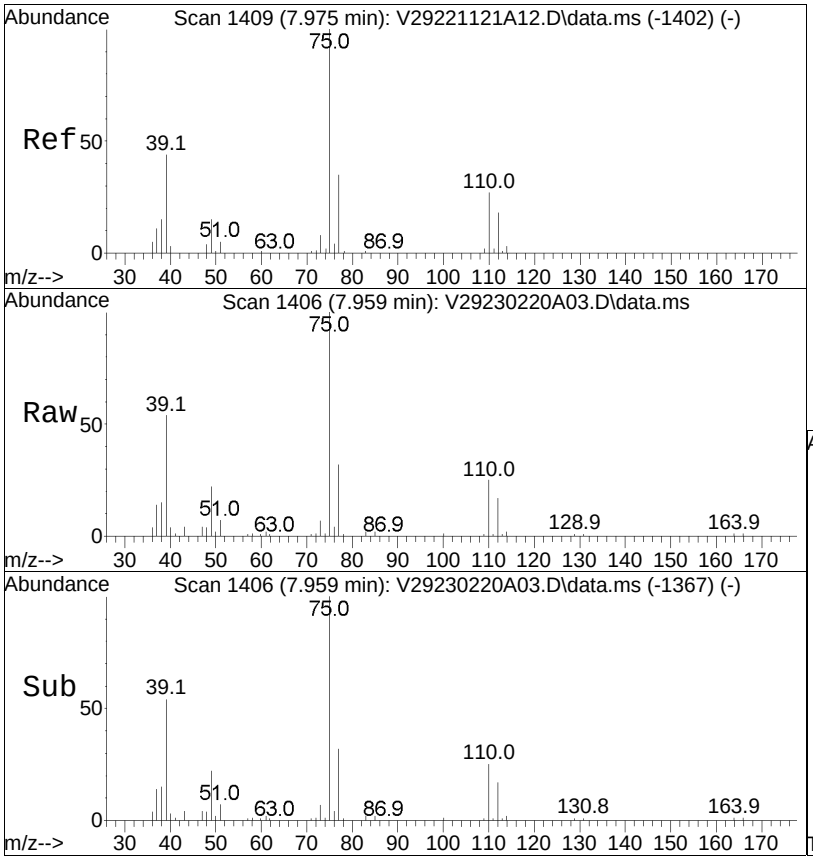


#63
Tetrachloroethene
Concen: 41.84 ug/L
RT: 7.917 min Scan# 1398
Delta R.T. 0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:166 Resp: 171143

Ion	Ratio	Lower	Upper
166	100		
168	48.8	28.2	68.2
94	41.9	38.4	78.4

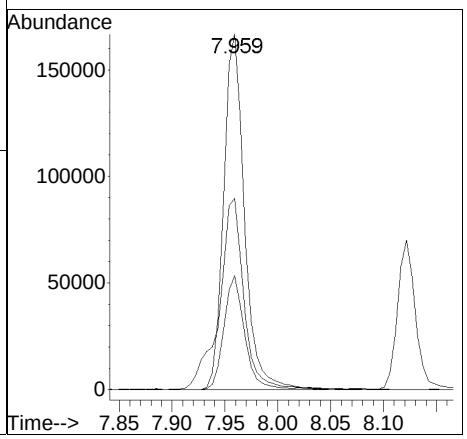


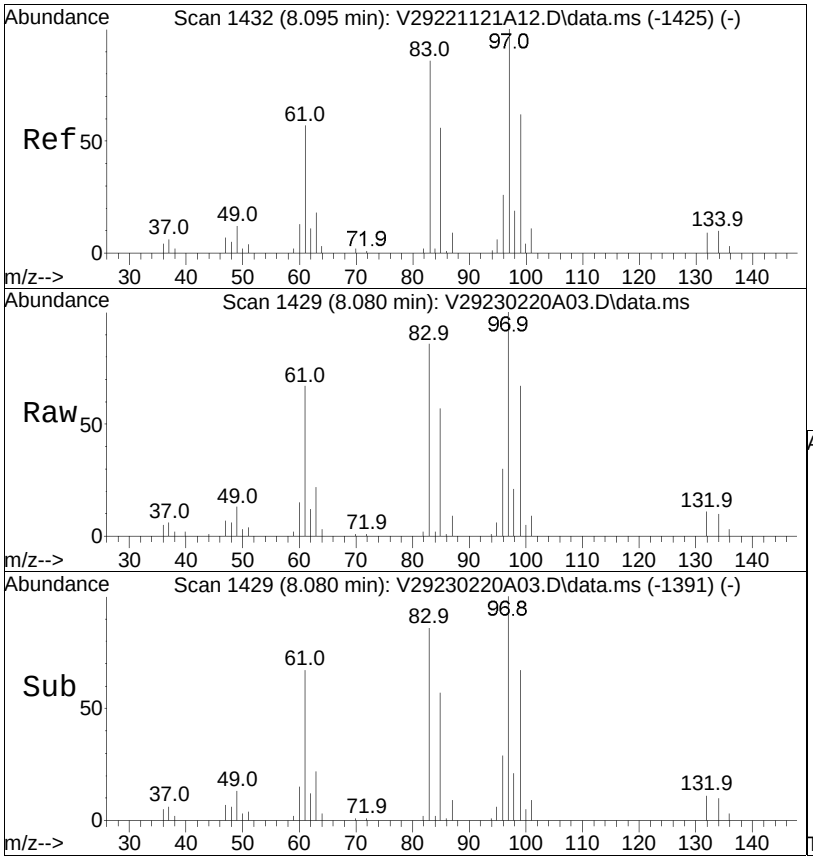


#65
trans-1,3-Dichloropropene
Concen: 45.31 ug/L
RT: 7.959 min Scan# 1406
Delta R.T. 0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 75 Resp: 229091

Ion	Ratio	Lower	Upper
75	100		
77	31.7	12.4	52.4
39	63.7	42.8	82.8

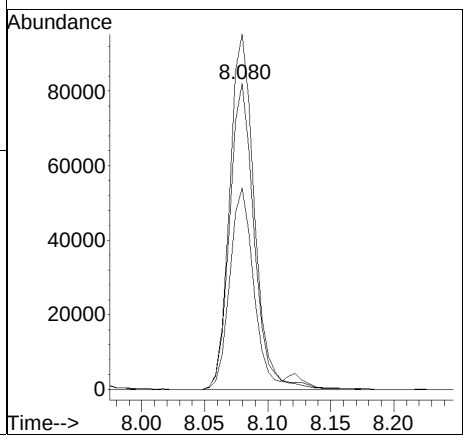


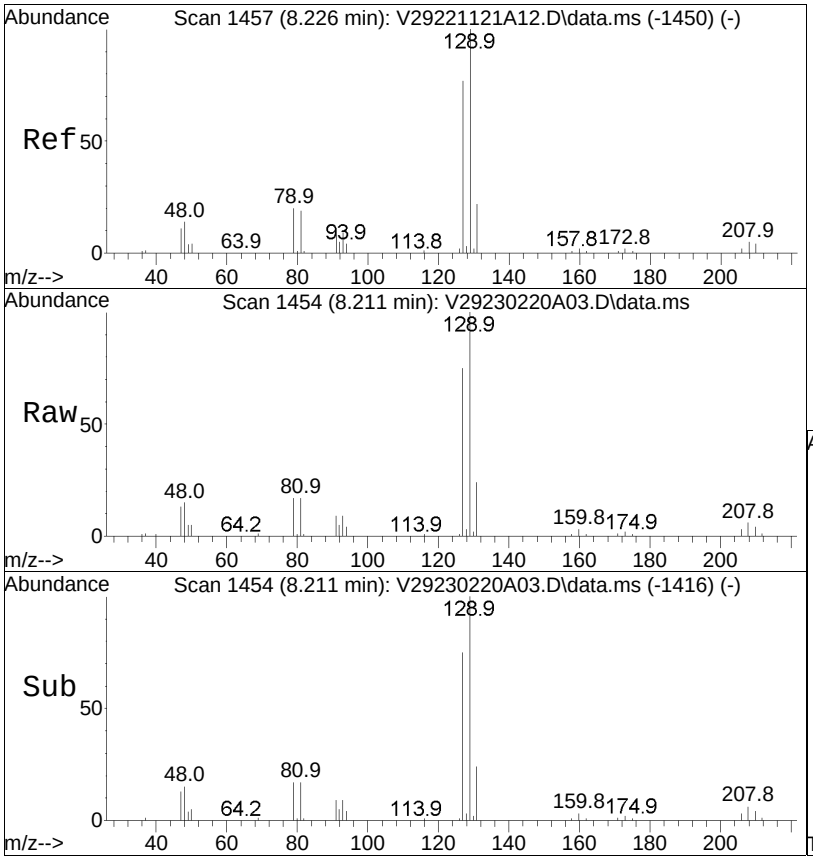


#68
1,1,2-Trichloroethane
Concen: 45.54 ug/L
RT: 8.080 min Scan# 1429
Delta R.T. -0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 83 Resp: 111433

Ion	Ratio	Lower	Upper
83	100		
97	117.3	89.8	129.8
85	63.8	44.4	84.4

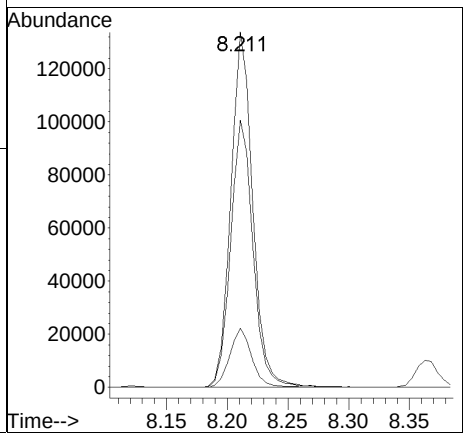


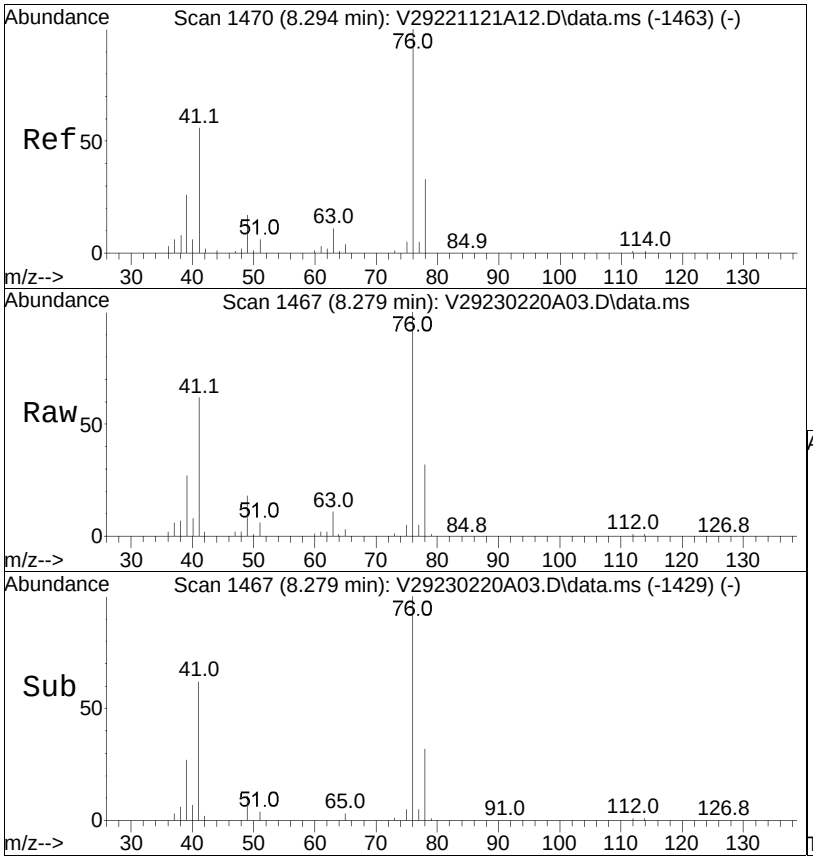


#69
Chlorodibromomethane
Concen: 43.05 ug/L
RT: 8.211 min Scan# 1454
Delta R.T. -0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:129 Resp: 168489

Ion	Ratio	Lower	Upper
129	100		
81	16.7	2.9	42.9
127	76.9	57.8	97.8

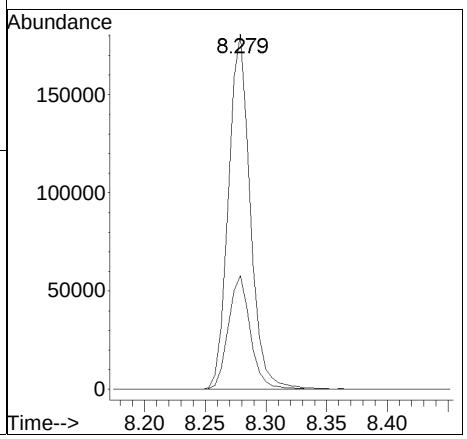


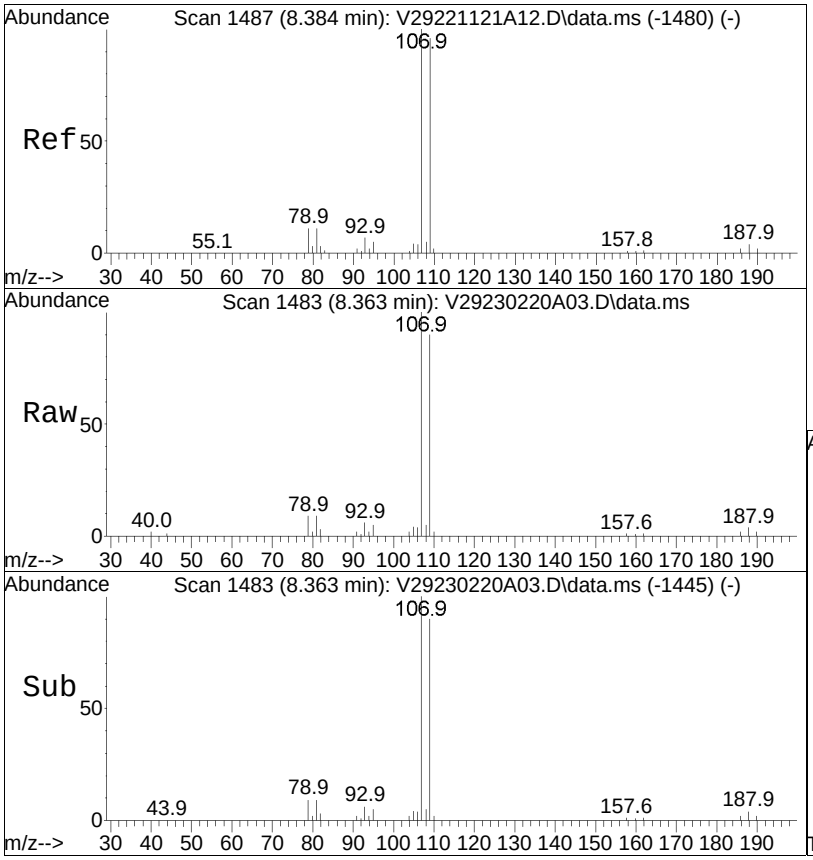


#70
1,3-Dichloropropane
Concen: 46.31 ug/L
RT: 8.279 min Scan# 1467
Delta R.T. -0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 76 Resp: 226621

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.5	38.3

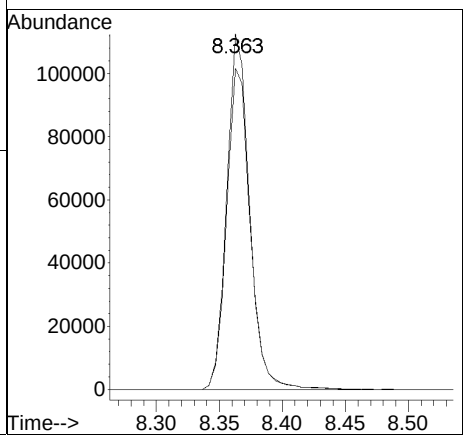


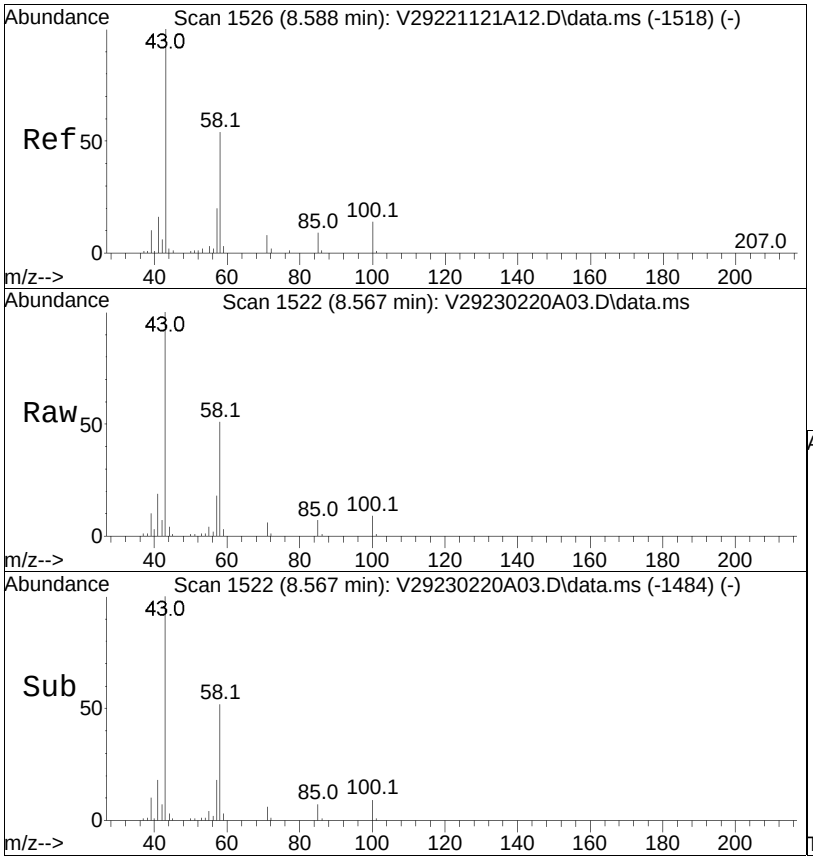


#71
1,2-Dibromoethane
Concen: 44.33 ug/L
RT: 8.363 min Scan# 1483
Delta R.T. -0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:107 Resp: 141553

Ion	Ratio	Lower	Upper
107	100		
109	93.8	74.3	111.5

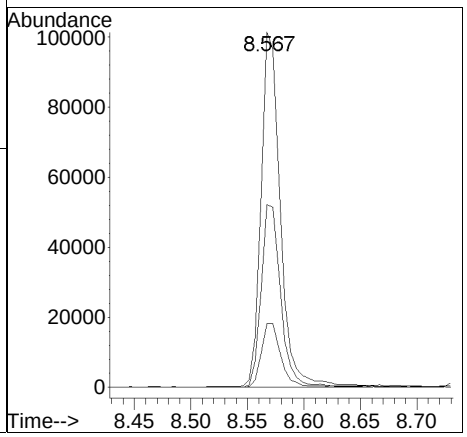


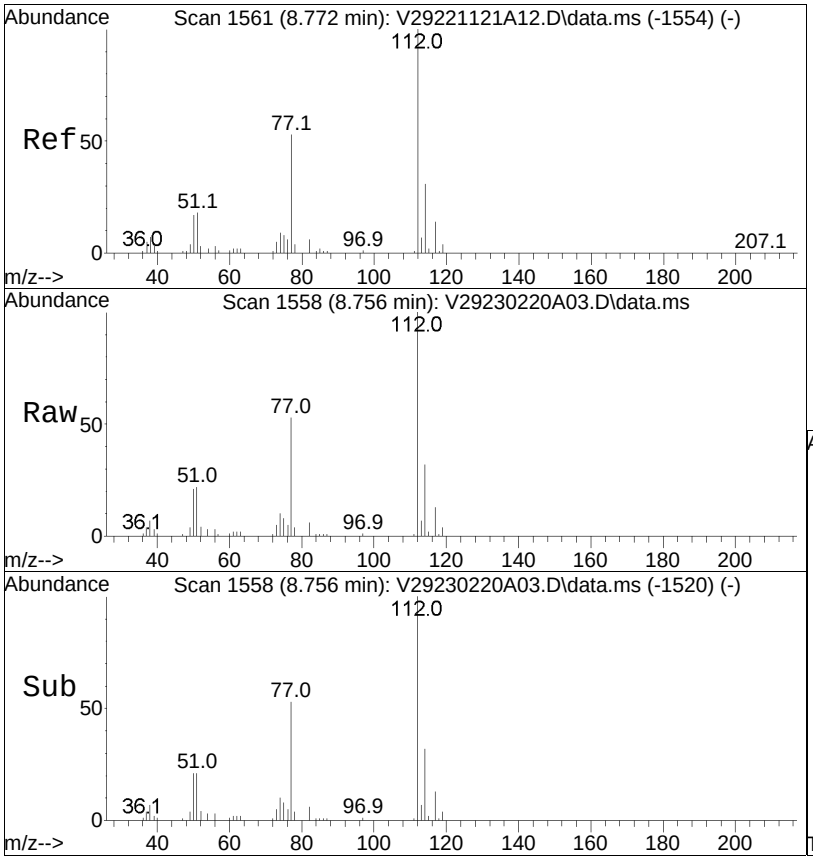


#72
2-Hexanone
Concen: 51.46 ug/L
RT: 8.567 min Scan# 1522
Delta R.T. 0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 43 Resp: 121748

Ion	Ratio	Lower	Upper
43	100		
58	51.6	41.2	61.8
57	18.4	17.2	25.8

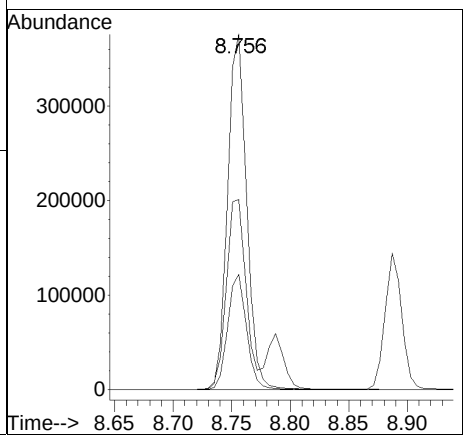


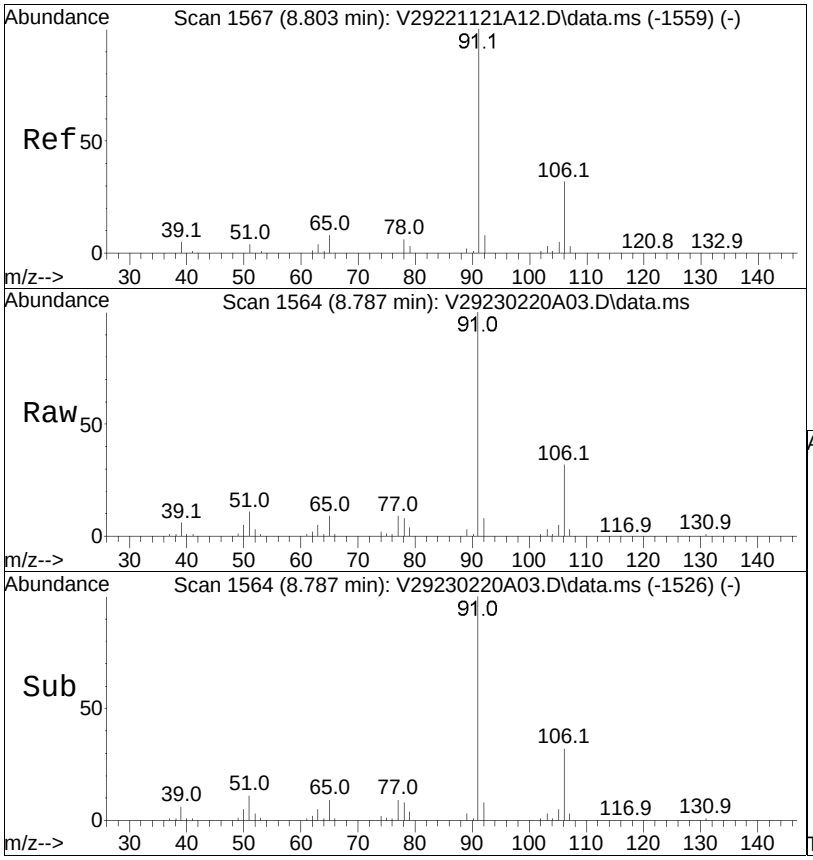


#73
Chlorobenzene
Concen: 43.27 ug/L
RT: 8.756 min Scan# 1558
Delta R.T. -0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:112 Resp: 424580

Ion	Ratio	Lower	Upper
112	100		
77	55.2	55.4	83.0#
114	32.1	25.4	38.2

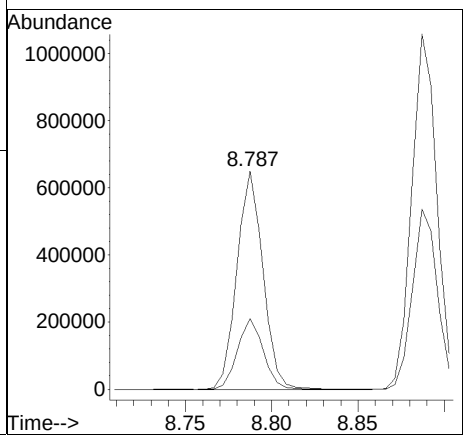


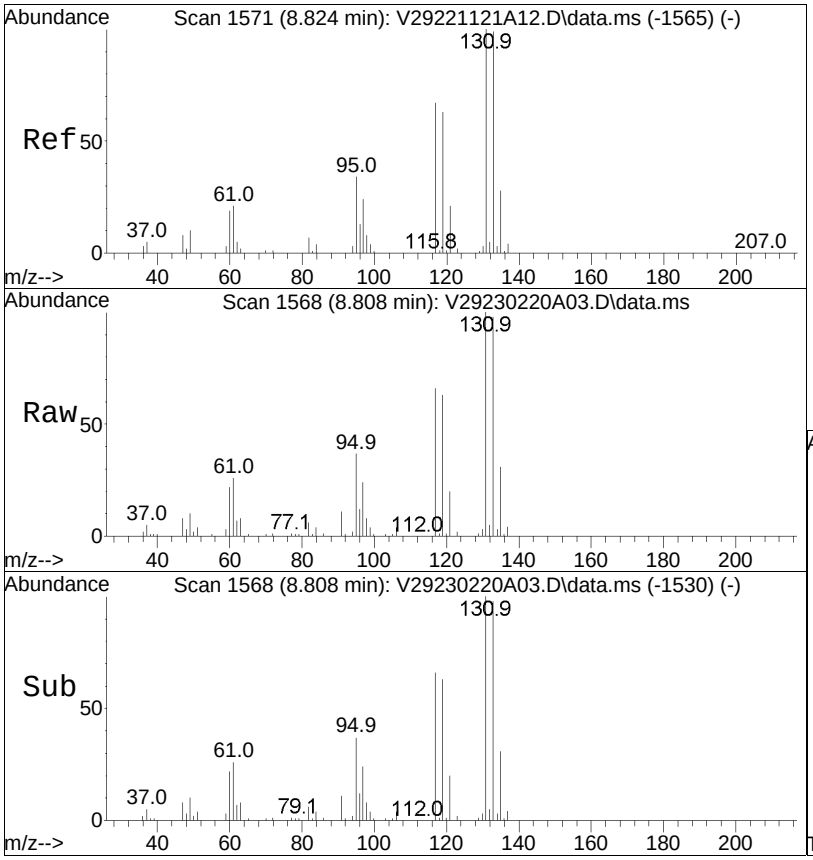


#74
Ethylbenzene
Concen: 43.12 ug/L
RT: 8.787 min Scan# 1564
Delta R.T. 0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 91 Resp: 683893

Ion	Ratio	Lower	Upper
91	100		
106	32.2	24.3	36.5

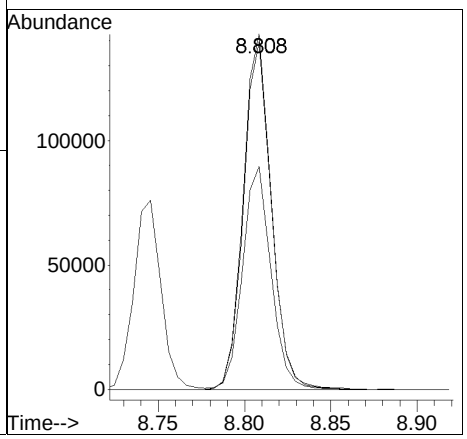


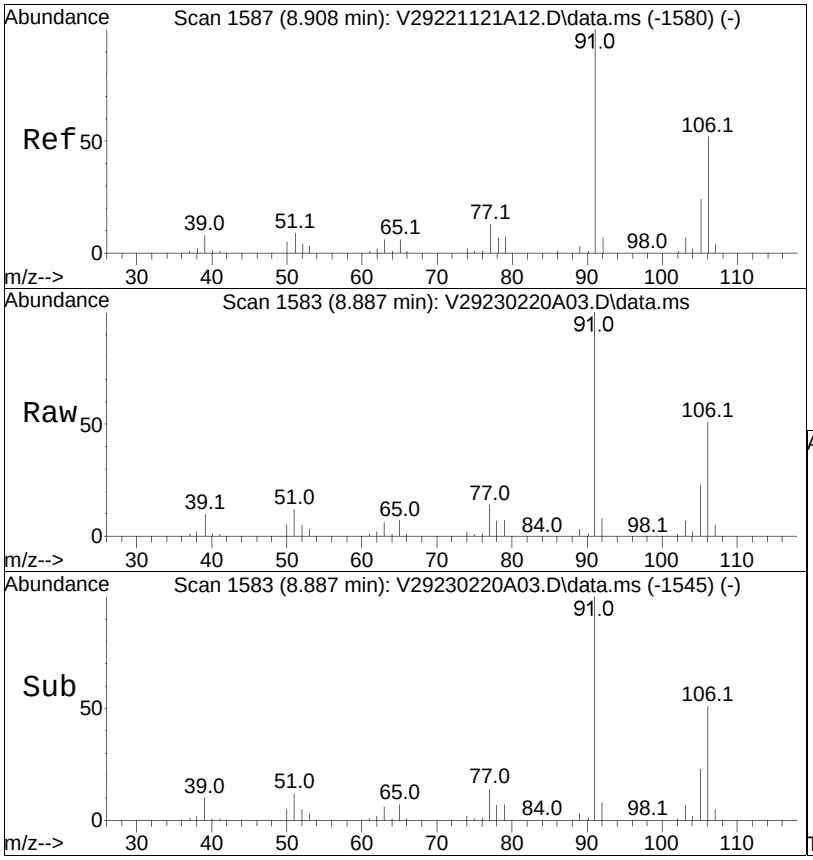


#75
1,1,1,2-Tetrachloroethane
Concen: 43.98 ug/L
RT: 8.808 min Scan# 1568
Delta R.T. 0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:131 Resp: 161790

Ion	Ratio	Lower	Upper
131	100		
133	96.8	81.0	121.0
119	63.7	41.3	81.3

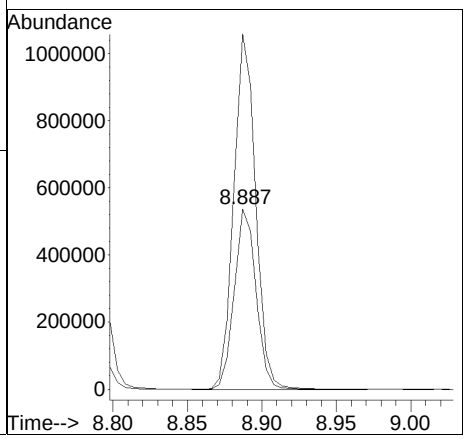


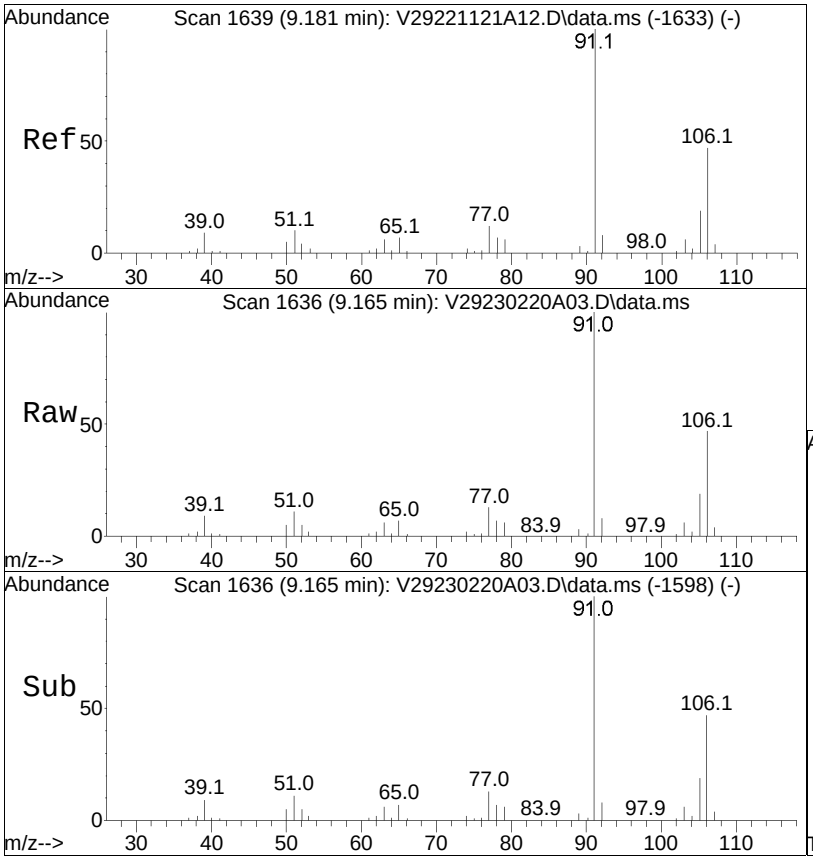


#76
p/m Xylene
Concen: 85.22 ug/L
RT: 8.887 min Scan# 1583
Delta R.T. 0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:106 Resp: 548177

Ion	Ratio	Lower	Upper
106	100		
91	196.8	166.4	249.6

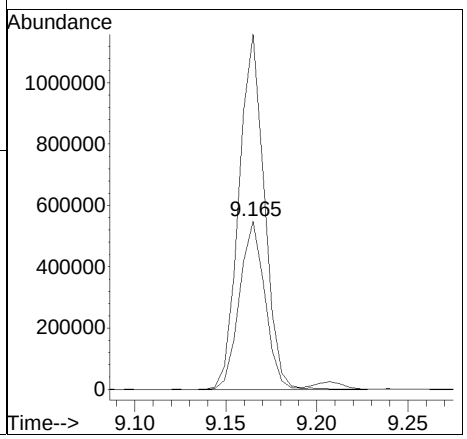


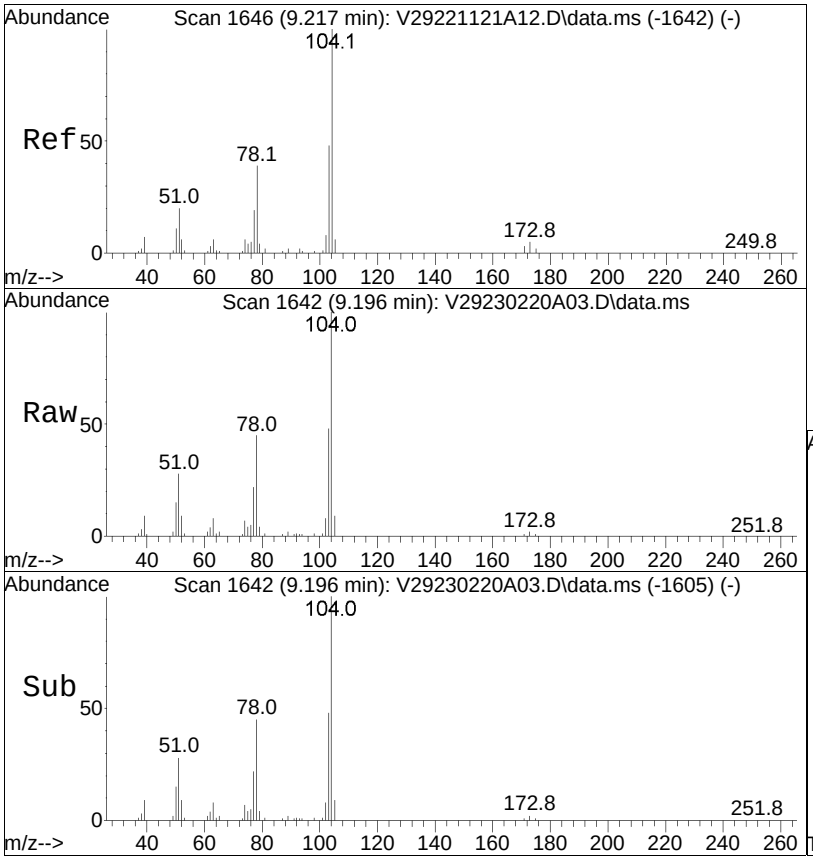


#77
o Xylene
Concen: 87.99 ug/L
RT: 9.165 min Scan# 1636
Delta R.T. -0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:106 Resp: 534790

Ion	Ratio	Lower	Upper
106	100		
91	209.7	182.6	273.8

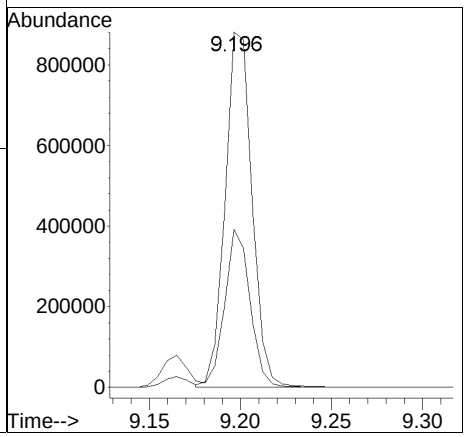


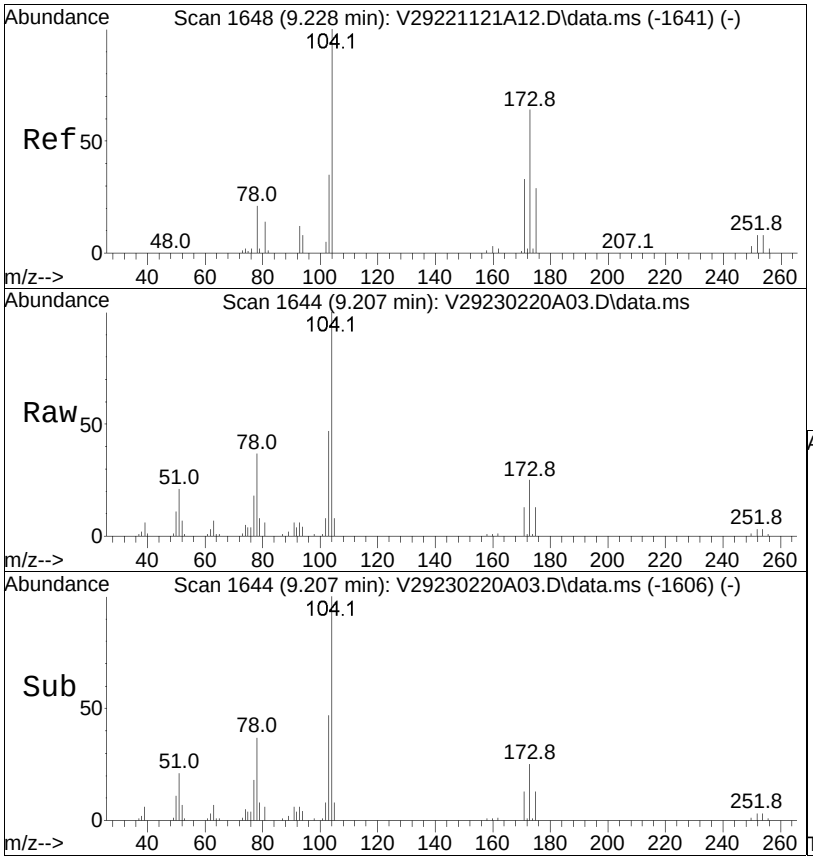


#78
Styrene
Concen: 91.37 ug/L
RT: 9.196 min Scan# 1642
Delta R.T. -0.006 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:104 Resp: 905801

Ion	Ratio	Lower	Upper
104	100		
78	42.0	39.8	59.6

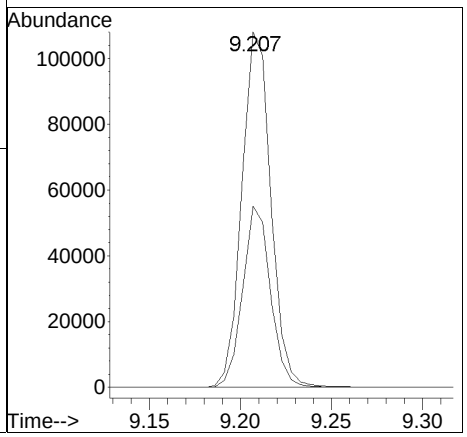


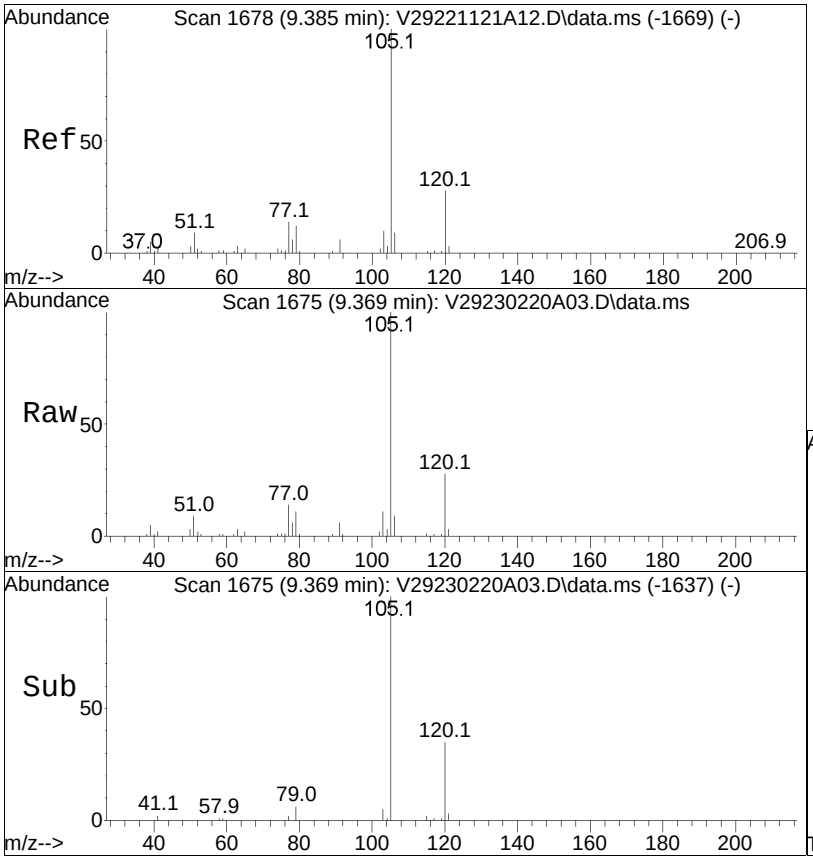


#80
Bromoform
Concen: 42.48 ug/L
RT: 9.207 min Scan# 1644
Delta R.T. -0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:173 Resp: 119537

Ion	Ratio	Lower	Upper
173	100		
175	48.9	31.5	71.5

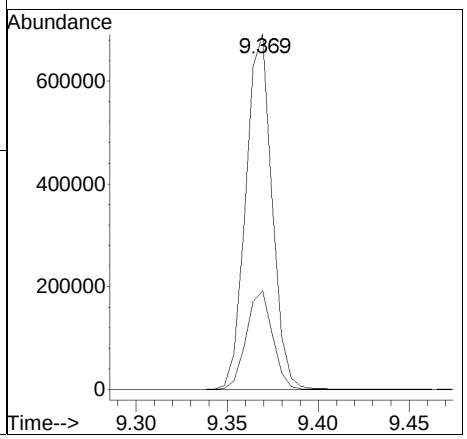


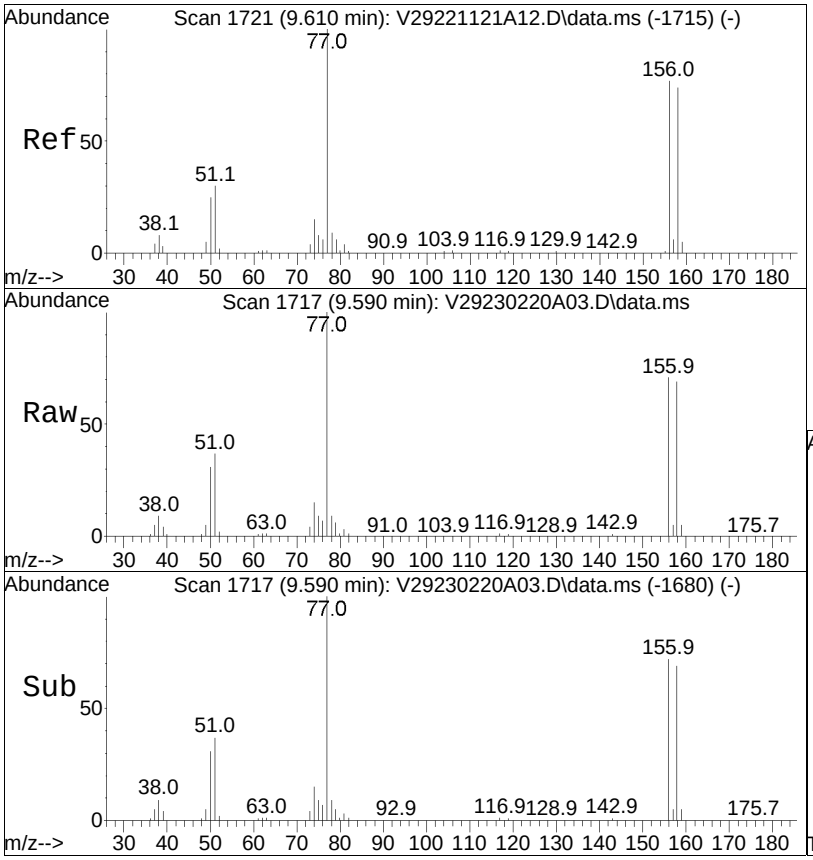


#82
Isopropylbenzene
Concen: 42.76 ug/L
RT: 9.369 min Scan# 1675
Delta R.T. 0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:105 Resp: 693153

Ion	Ratio	Lower	Upper
105	100		
120	27.6	4.8	44.8

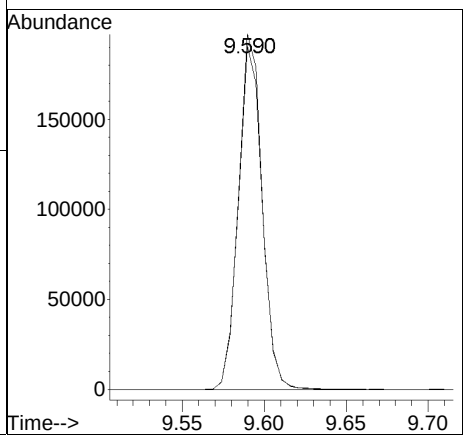


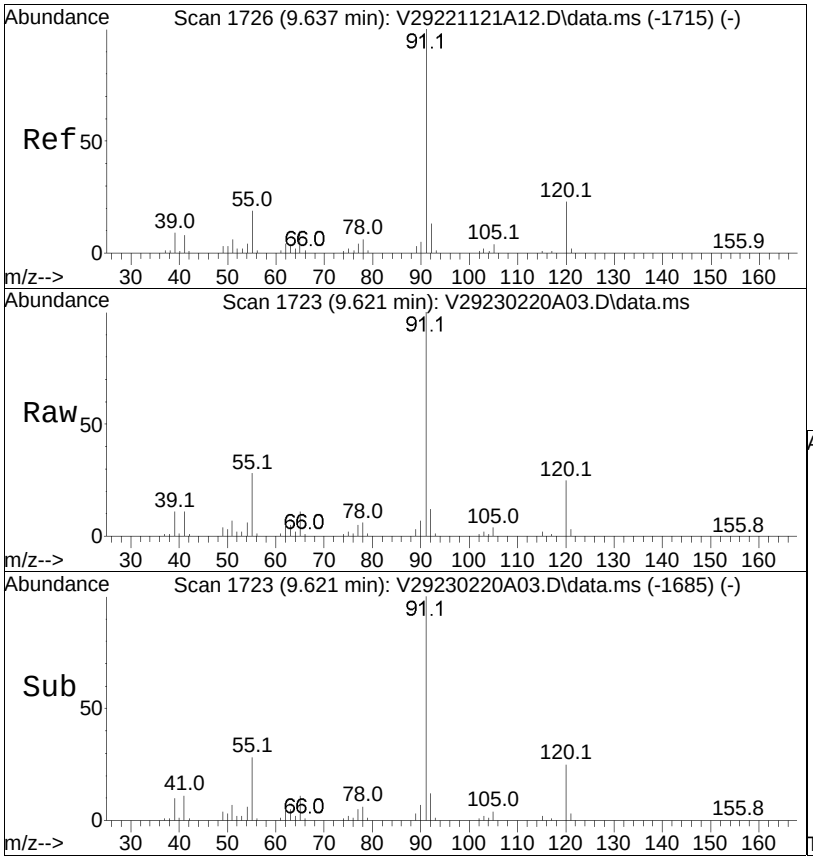


#84
Bromobenzene
Concen: 43.06 ug/L
RT: 9.590 min Scan# 1717
Delta R.T. -0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:156 Resp: 198610

Ion	Ratio	Lower	Upper
156	100		
158	97.3	75.9	113.9

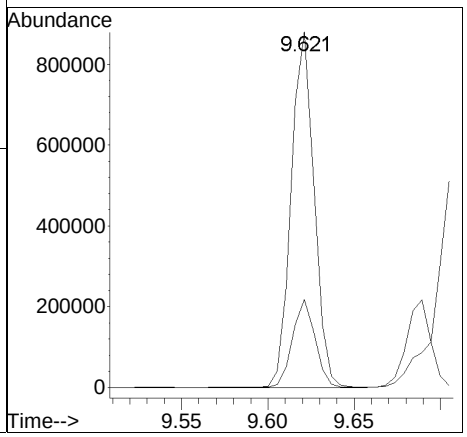


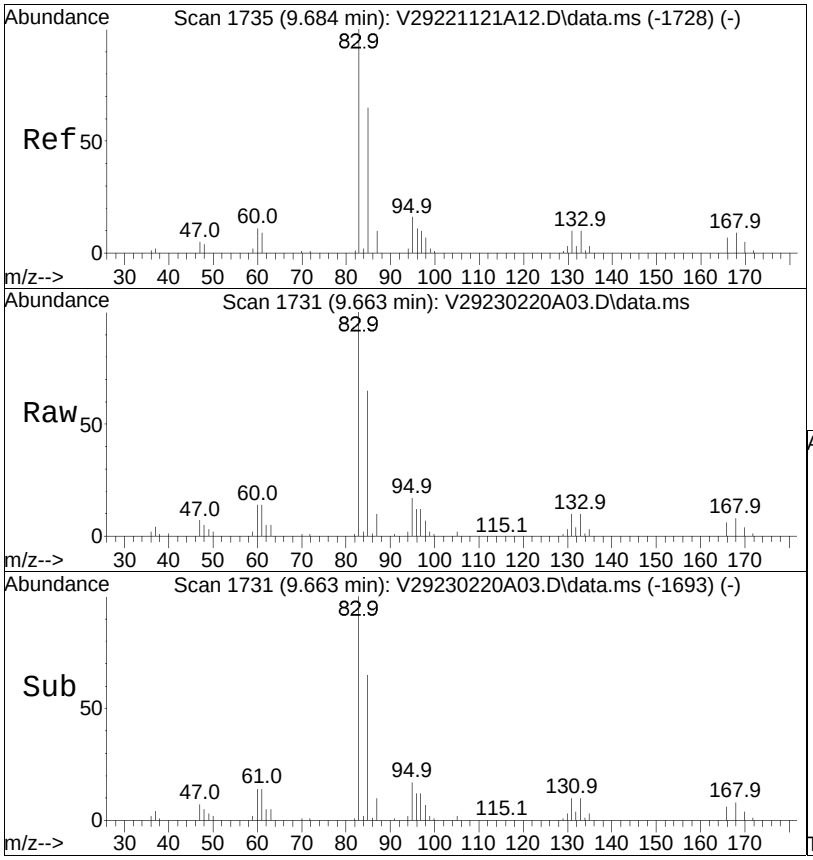


#85
n-Propylbenzene
Concen: 43.20 ug/L
RT: 9.621 min Scan# 1723
Delta R.T. 0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 91 Resp: 816285

Ion	Ratio	Lower	Upper
91	100		
120	24.3	17.0	25.6

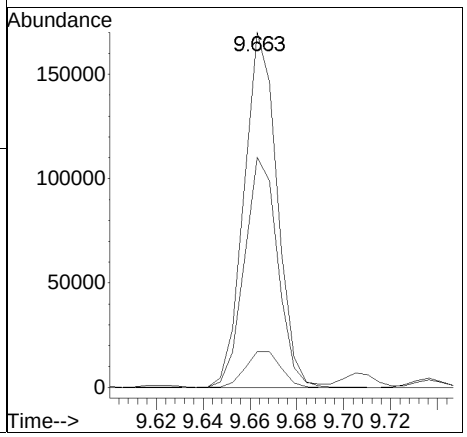


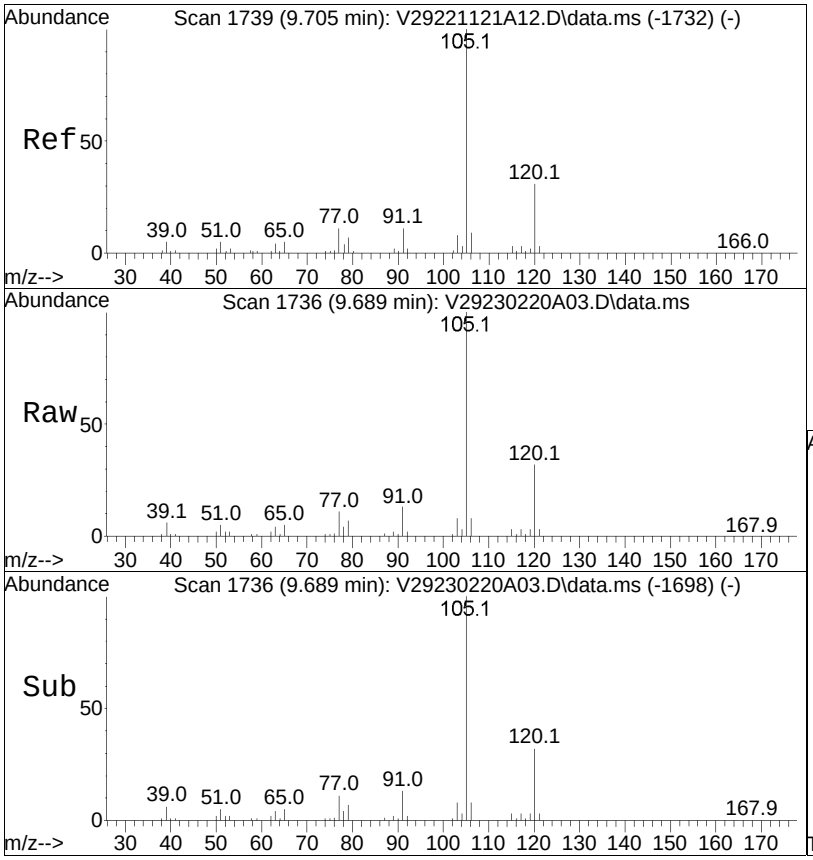


#87
1,1,2,2-Tetrachloroethane
Concen: 41.84 ug/L
RT: 9.663 min Scan# 1731
Delta R.T. 0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 83 Resp: 166944

Ion	Ratio	Lower	Upper
83	100		
131	10.8	0.0	30.4
85	65.6	45.4	85.4

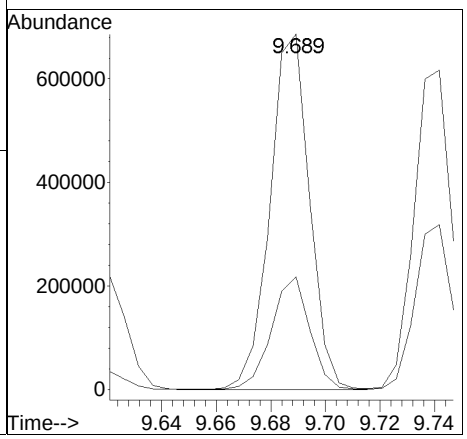


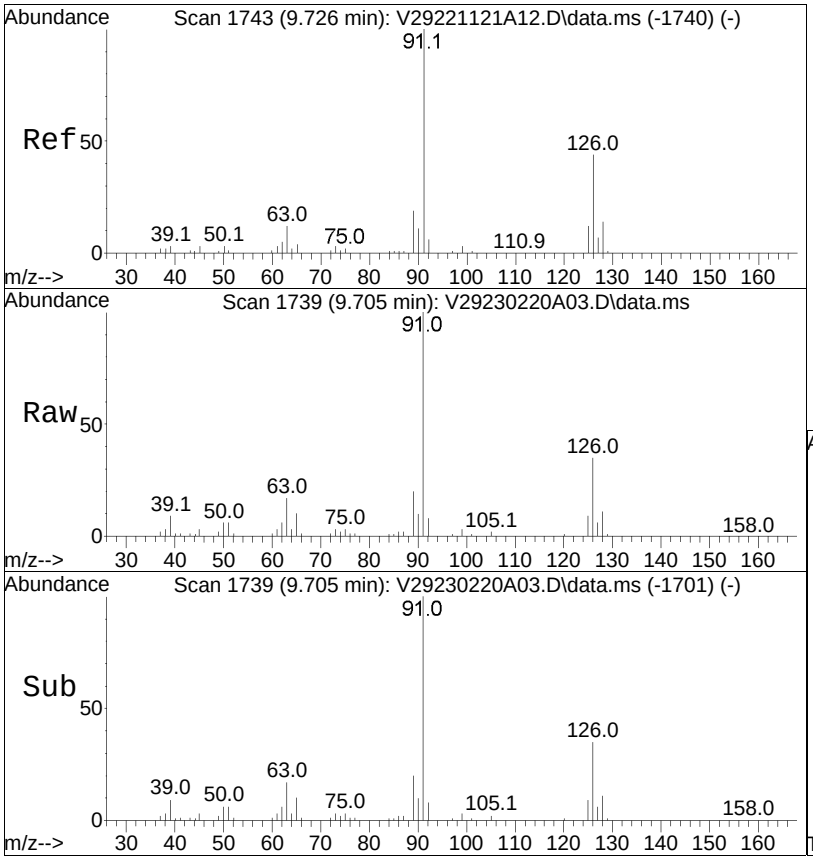


#88
4-Ethyltoluene
Concen: 43.04 ug/L
RT: 9.689 min Scan# 1736
Delta R.T. 0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:105 Resp: 688398

Ion	Ratio	Lower	Upper
105	100		
120	30.7	18.1	37.7

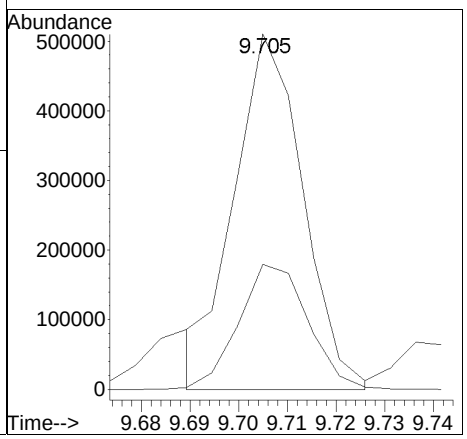


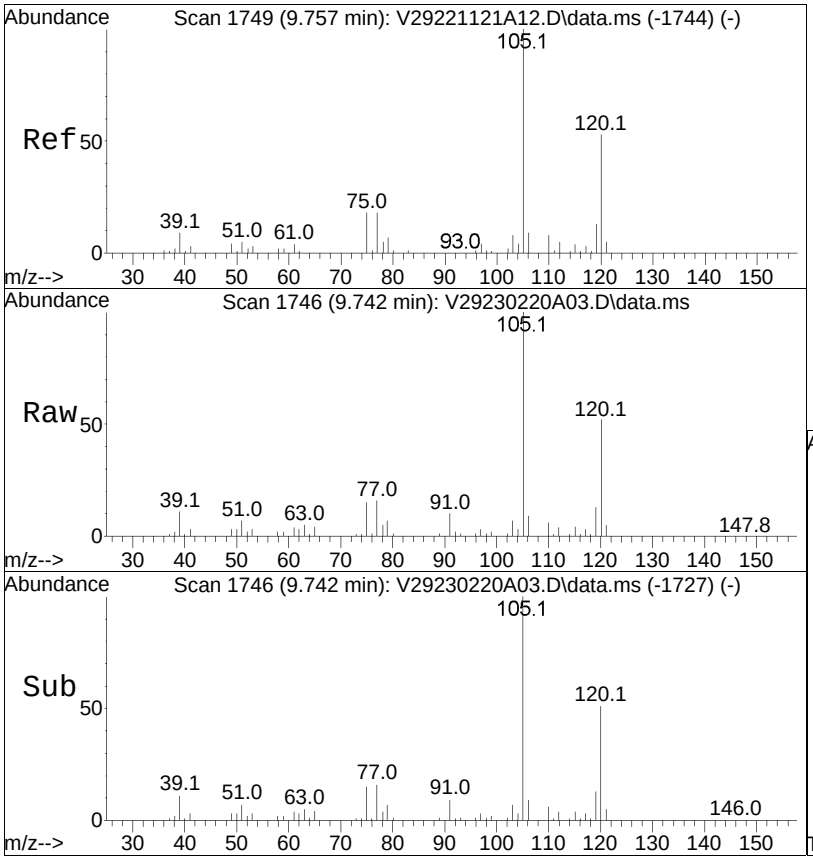


#89
2-Chlorotoluene
Concen: 45.16 ug/L M1
RT: 9.705 min Scan# 1739
Delta R.T. -0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 91 Resp: 500908

Ion	Ratio	Lower	Upper
91	100		
126	35.6	21.5	32.3#

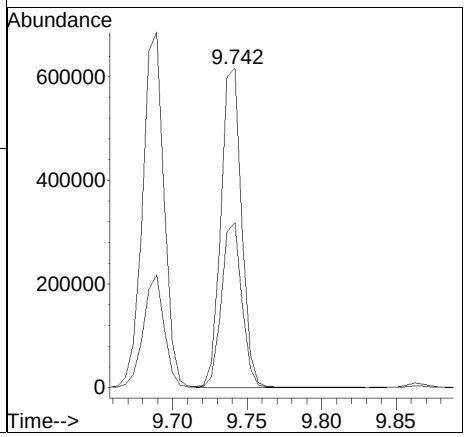


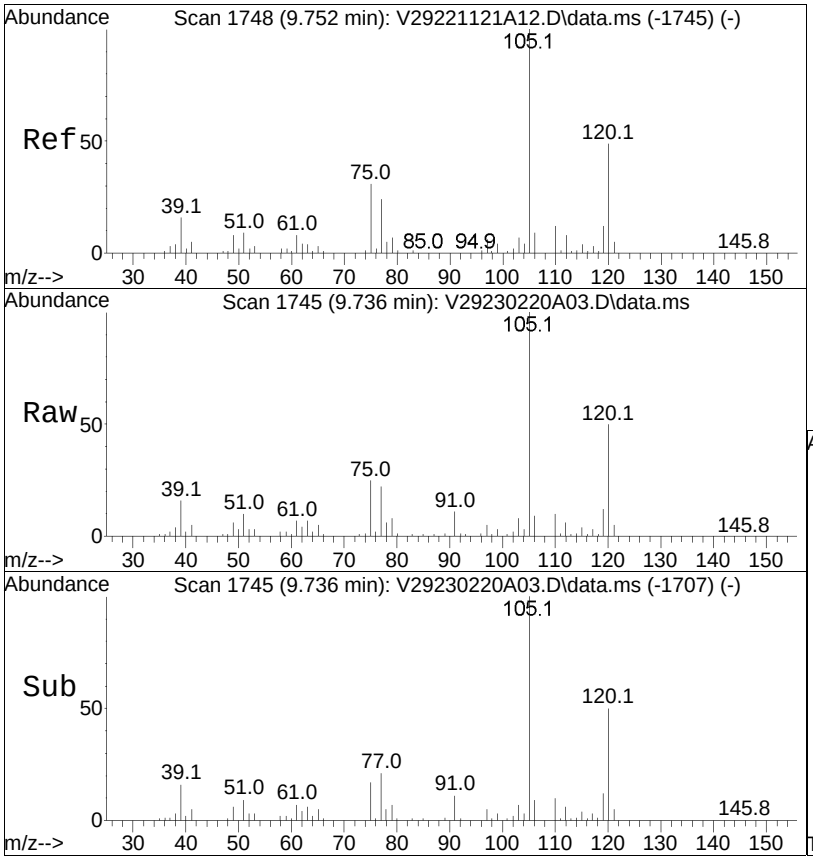


#90
1,3,5-Trimethylbenzene
Concen: 42.58 ug/L
RT: 9.742 min Scan# 1746
Delta R.T. -0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:105 Resp: 595673

Ion	Ratio	Lower	Upper
105	100		
120	50.8	34.8	52.2

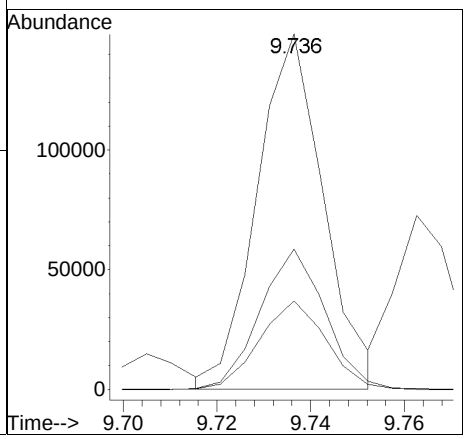


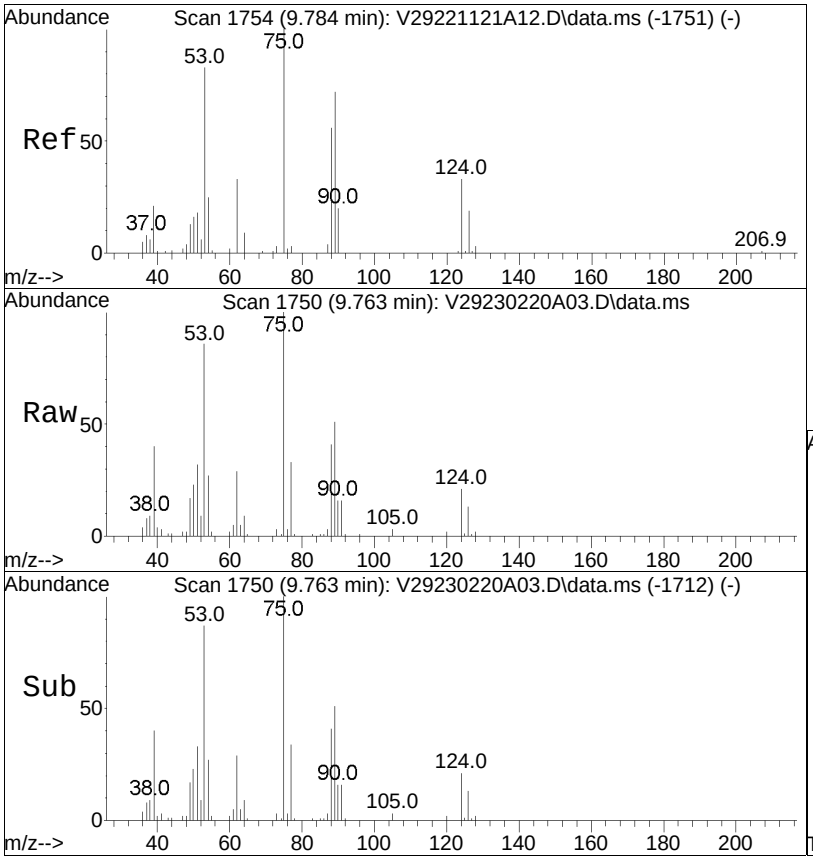


#91
1,2,3-Trichloropropane
Concen: 47.74 ug/L
RT: 9.736 min Scan# 1745
Delta R.T. 0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 75 Resp: 146751

Ion	Ratio	Lower	Upper
75	100		
110	38.8	25.4	52.8
112	25.0	15.6	32.4

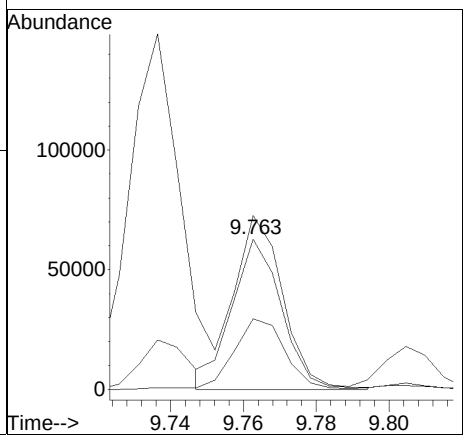


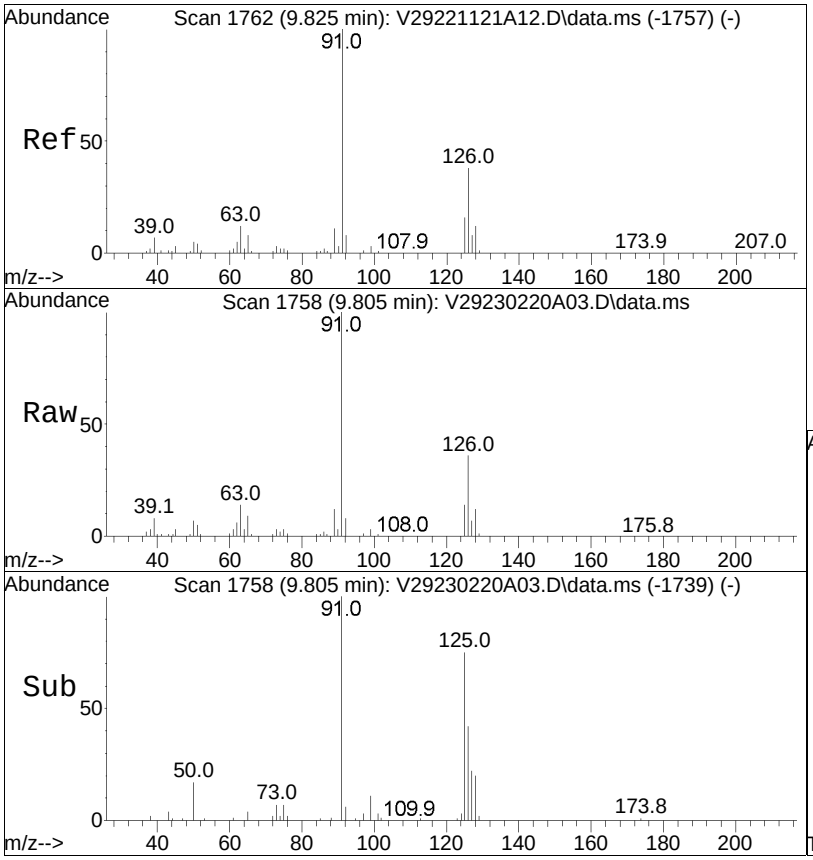


#92
trans-1,4-Dichloro-2-butene
Concen: 52.13 ug/L
RT: 9.763 min Scan# 1750
Delta R.T. -0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 53 Resp: 59506

Ion	Ratio	Lower	Upper
53	100		
88	49.2	39.6	59.4
75	106.6	70.2	105.4#

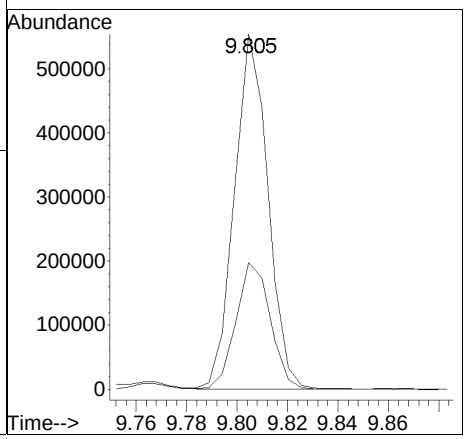


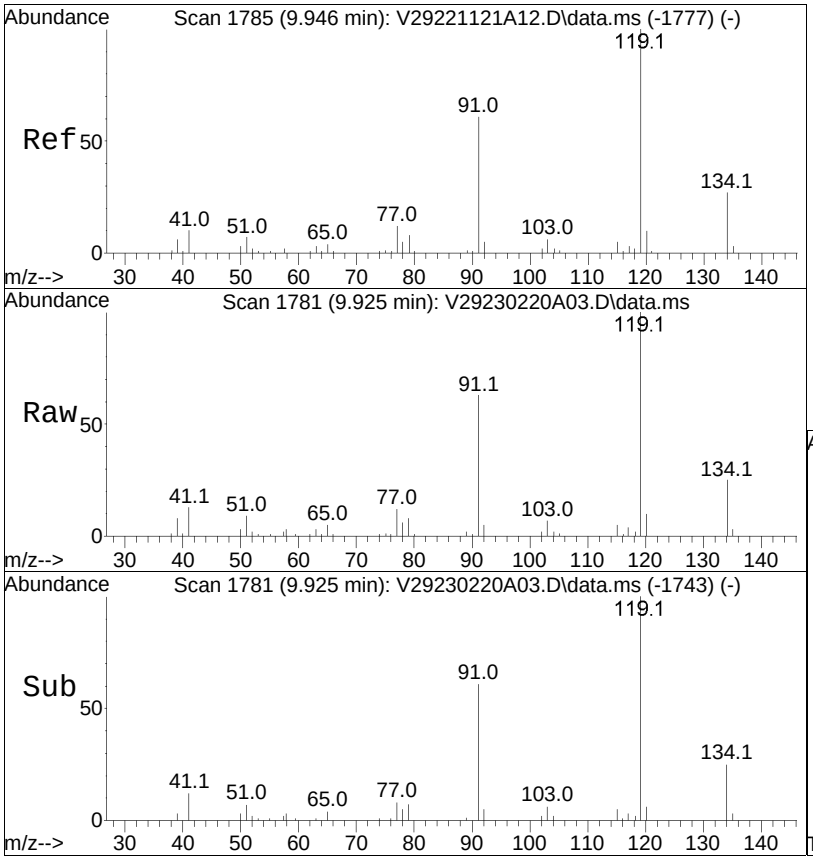


#93
4-Chlorotoluene
Concen: 43.52 ug/L
RT: 9.805 min Scan# 1758
Delta R.T. -0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 91 Resp: 509250

Ion	Ratio	Lower	Upper
91	100		
126	36.7	24.6	36.8

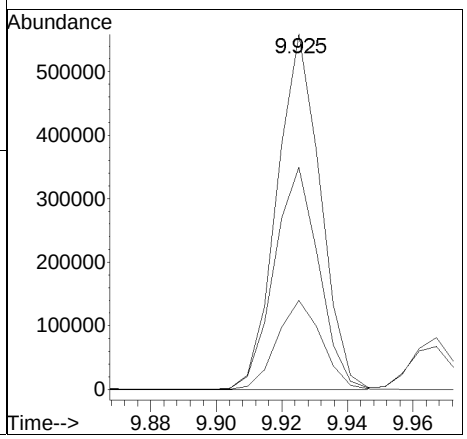


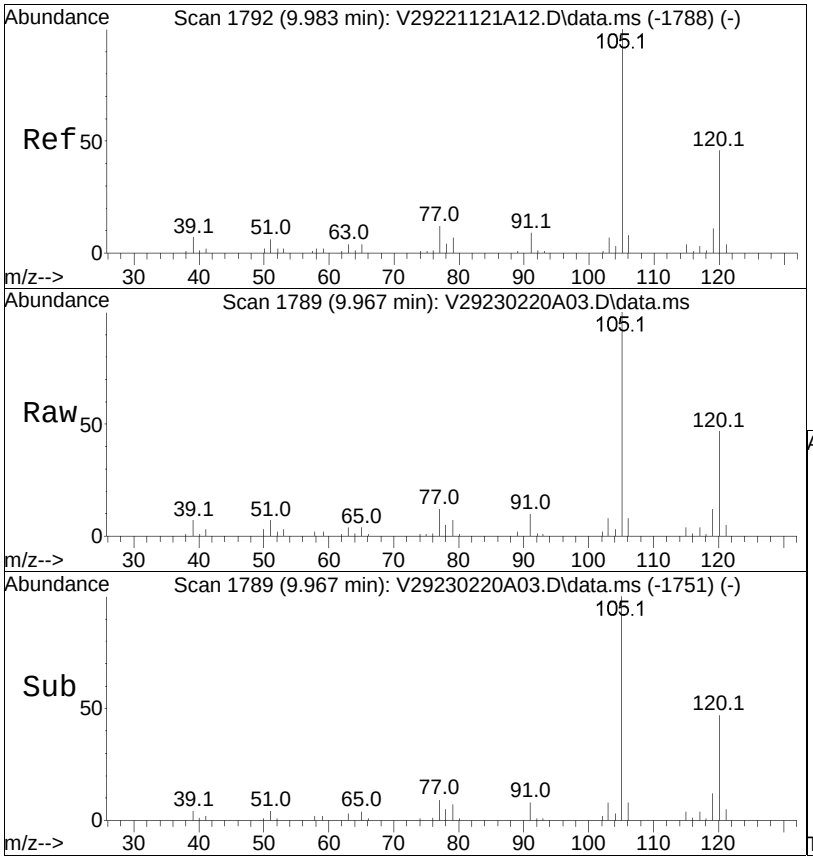


#94
tert-Butylbenzene
Concen: 41.47 ug/L
RT: 9.925 min Scan# 1781
Delta R.T. 0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:119 Resp: 514674

Ion	Ratio	Lower	Upper
119	100		
91	64.2	51.4	77.2
134	25.6	18.3	27.5

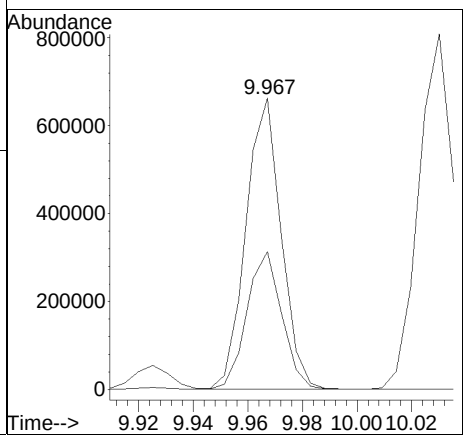


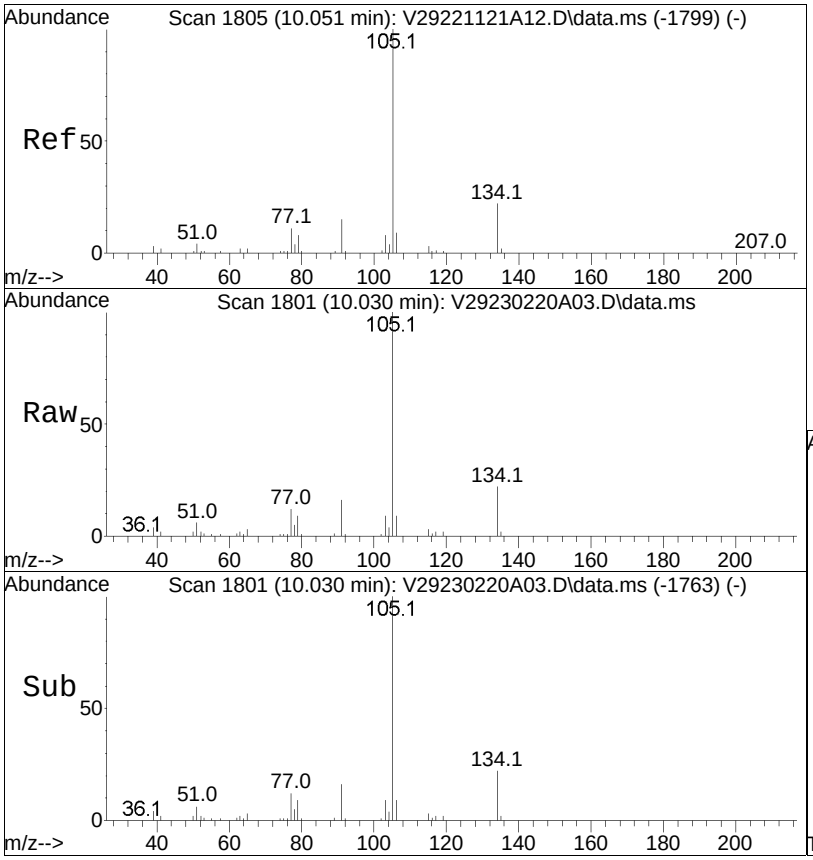


#97
1,2,4-Trimethylbenzene
Concen: 43.31 ug/L
RT: 9.967 min Scan# 1789
Delta R.T. 0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:105 Resp: 595211

Ion	Ratio	Lower	Upper
105	100		
120	46.8	33.4	50.0

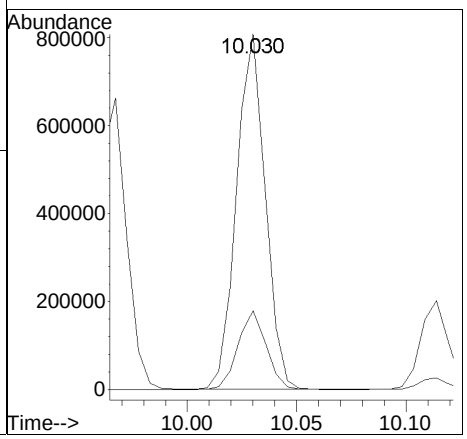


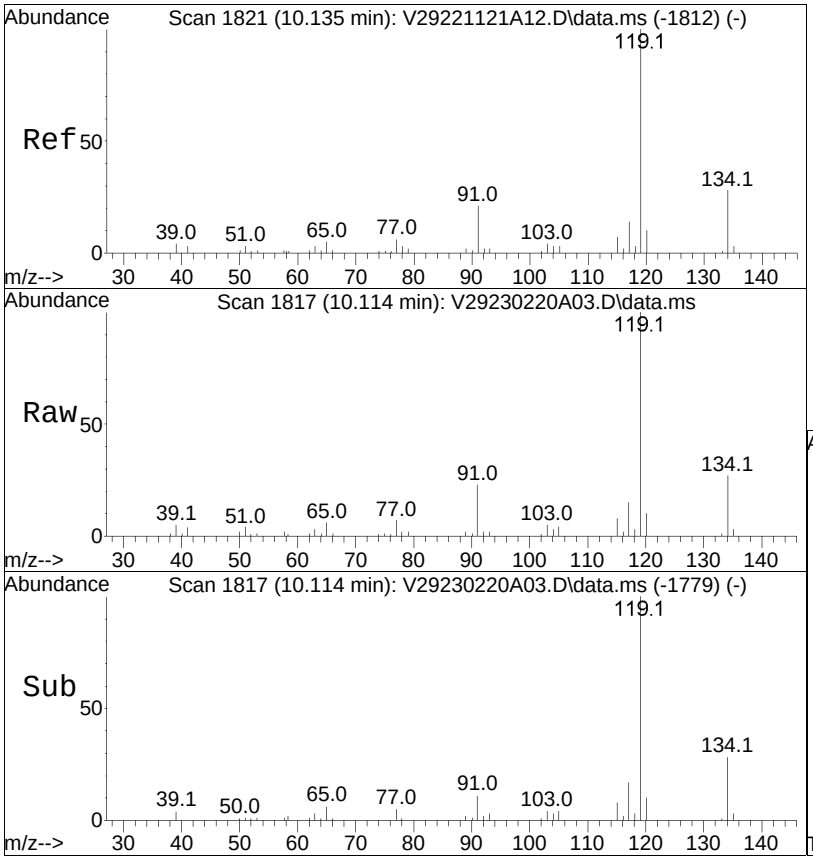


#98
sec-Butylbenzene
Concen: 41.58 ug/L
RT: 10.030 min Scan# 1801
Delta R.T. 0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:105 Resp: 741675

Ion	Ratio	Lower	Upper
105	100		
134	21.6	12.5	26.1

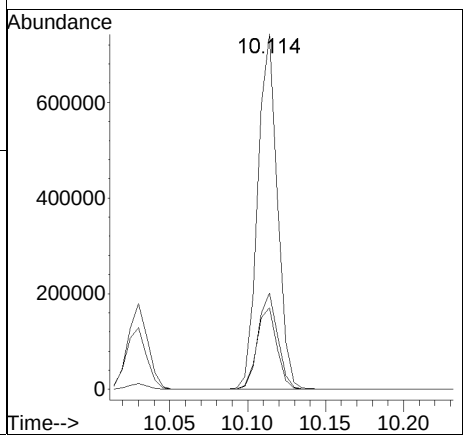


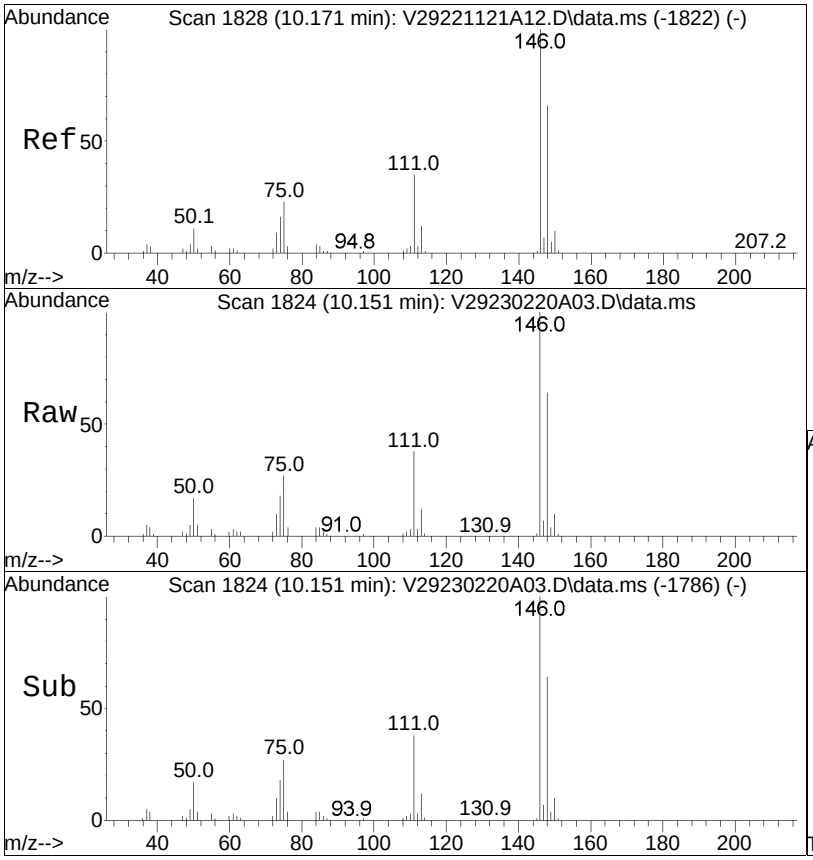


#99
p-Isopropyltoluene
Concen: 41.60 ug/L
RT: 10.114 min Scan# 1817
Delta R.T. -0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:119 Resp: 652819

Ion	Ratio	Lower	Upper
119	100		
134	27.2	16.1	33.3
91	23.4	17.3	35.9

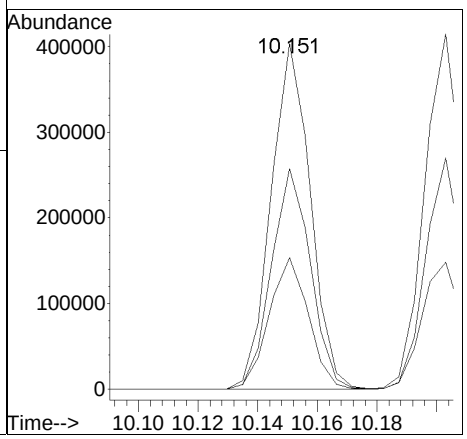


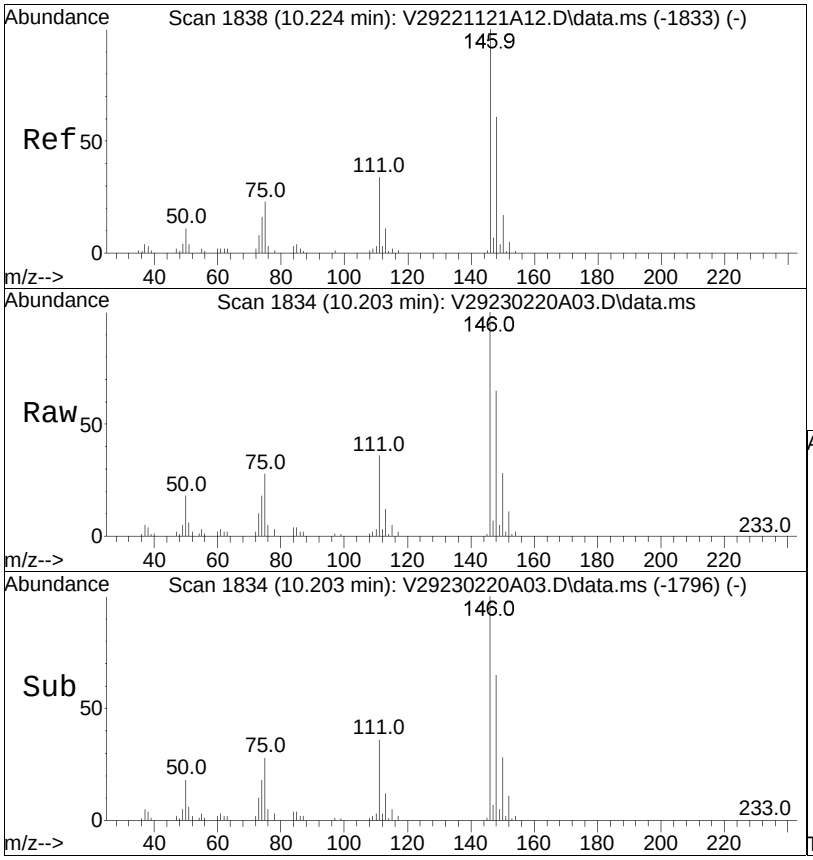


#100
1,3-Dichlorobenzene
Concen: 43.35 ug/L
RT: 10.151 min Scan# 1824
Delta R.T. -0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:146 Resp: 369956

Ion	Ratio	Lower	Upper
146	100		
111	38.3	27.5	57.1
148	63.5	41.9	86.9

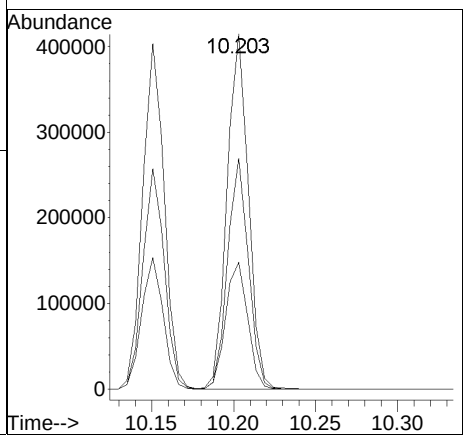


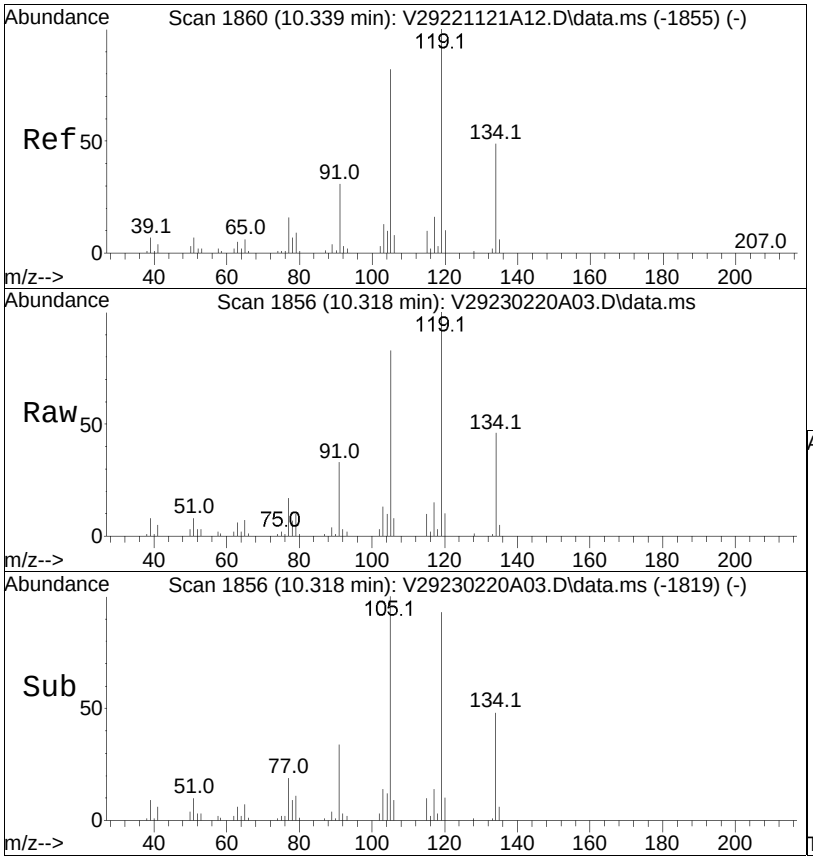


#101
1,4-Dichlorobenzene
Concen: 43.03 ug/L
RT: 10.203 min Scan# 1834
Delta R.T. 0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:146 Resp: 376697

Ion	Ratio	Lower	Upper
146	100		
111	37.4	32.3	48.5
148	63.7	49.9	74.9

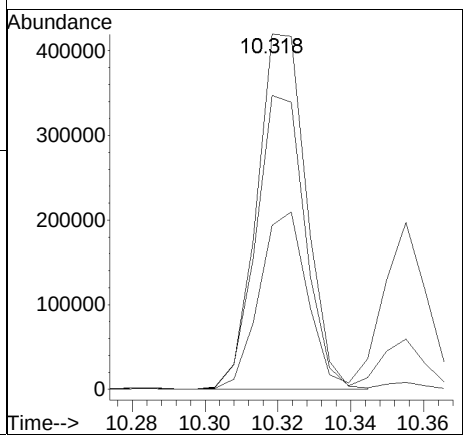


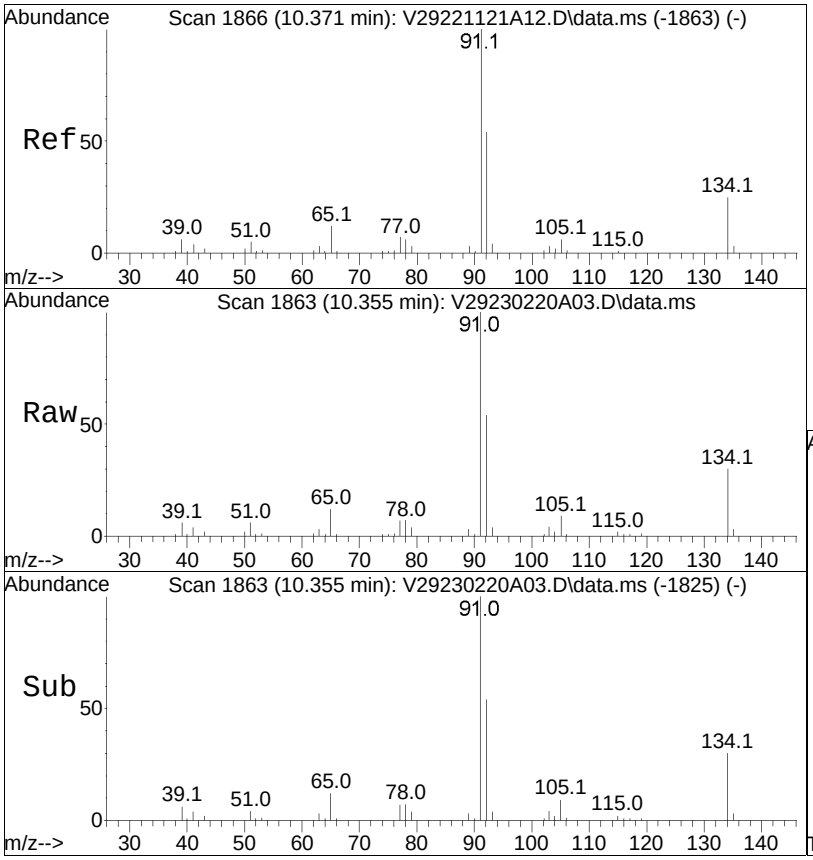


#102
p-Diethylbenzene
Concen: 41.88 ug/L
RT: 10.318 min Scan# 1856
Delta R.T. -0.006 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:119 Resp: 396504

Ion	Ratio	Lower	Upper
119	100		
105	82.0	59.5	123.7
134	48.8	30.2	62.6

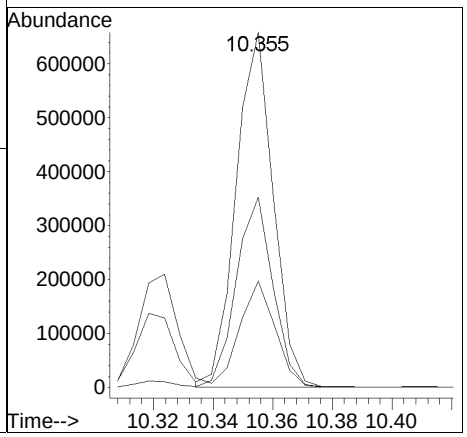


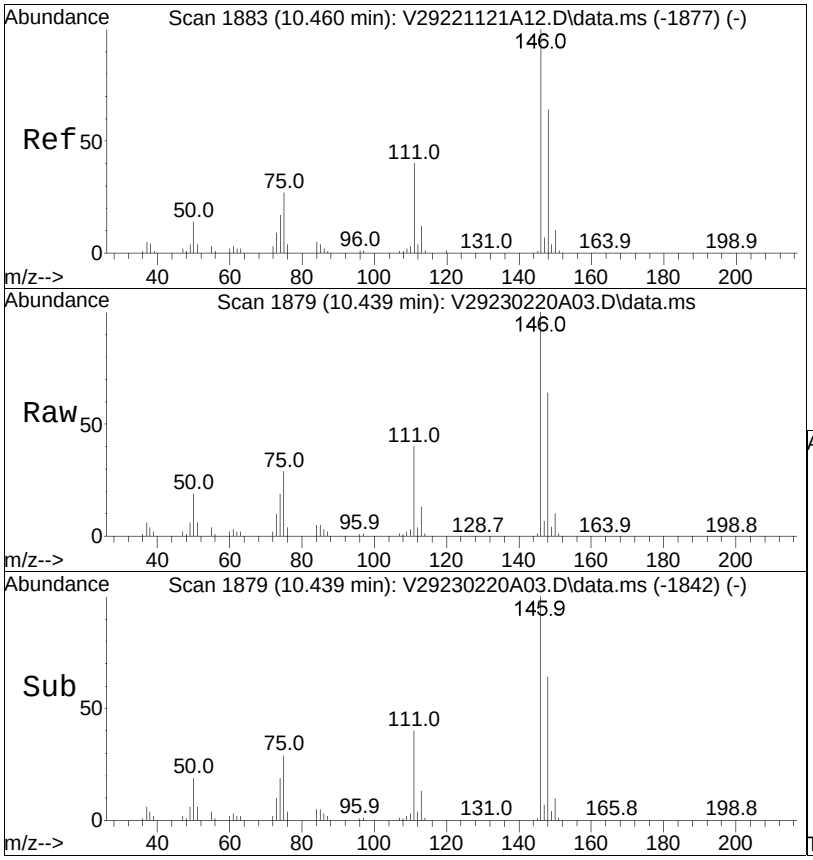


#103
n-Butylbenzene
Concen: 43.02 ug/L
RT: 10.355 min Scan# 1863
Delta R.T. 0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion: 91 Resp: 569763

Ion	Ratio	Lower	Upper
91	100		
92	53.1	43.0	64.4
134	28.6	19.6	29.4

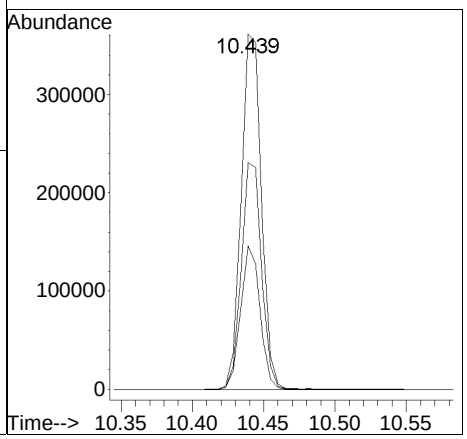


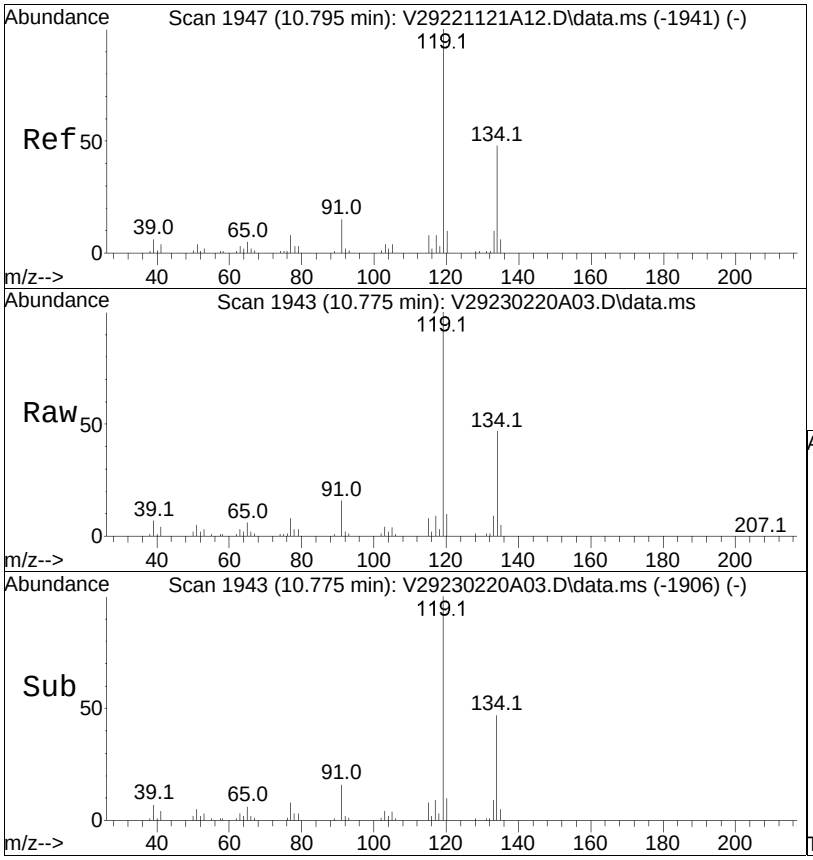


#104
1,2-Dichlorobenzene
Concen: 43.78 ug/L
RT: 10.439 min Scan# 1879
Delta R.T. -0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:146 Resp: 356923

Ion	Ratio	Lower	Upper
146	100		
111	38.7	28.3	58.7
148	63.7	42.3	87.8

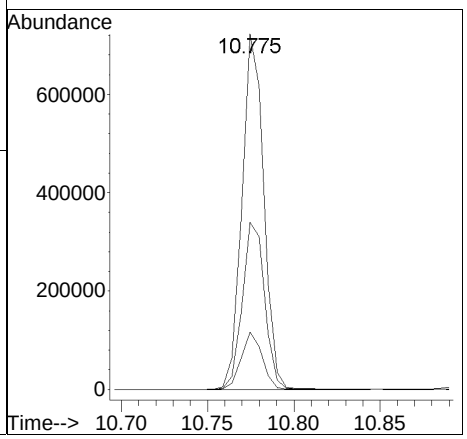


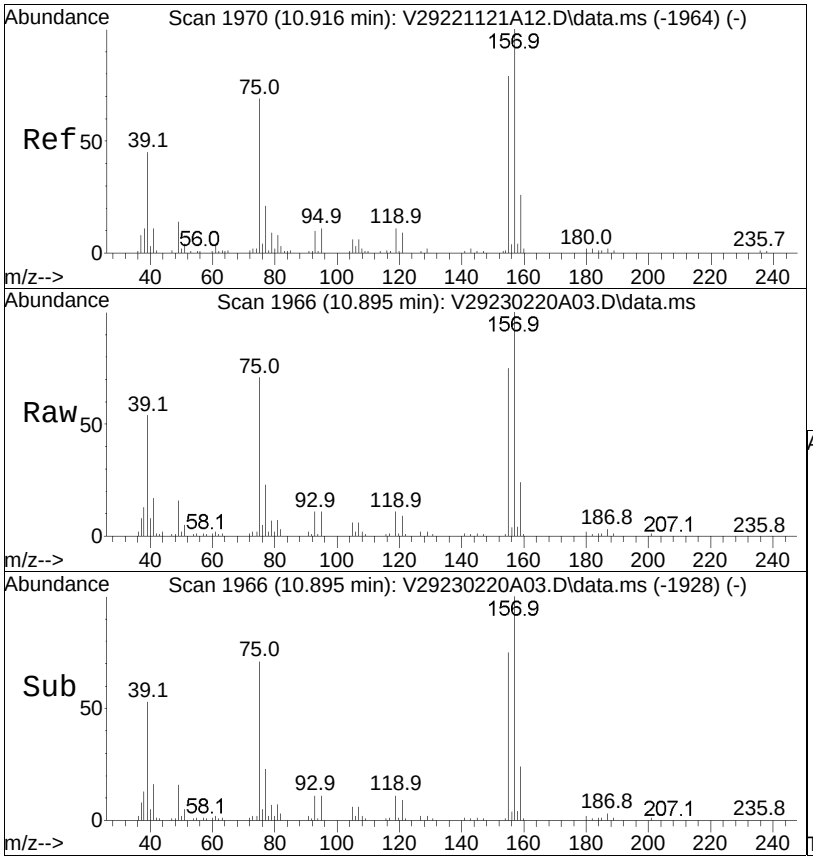


#105
1,2,4,5-Tetramethylbenzene
Concen: 44.03 ug/L
RT: 10.775 min Scan# 1943
Delta R.T. -0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:119 Resp: 633218

Ion	Ratio	Lower	Upper
119	100		
134	48.2	30.5	63.3
91	15.6	12.4	25.7

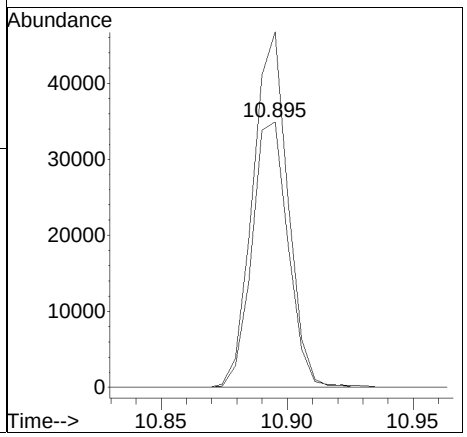


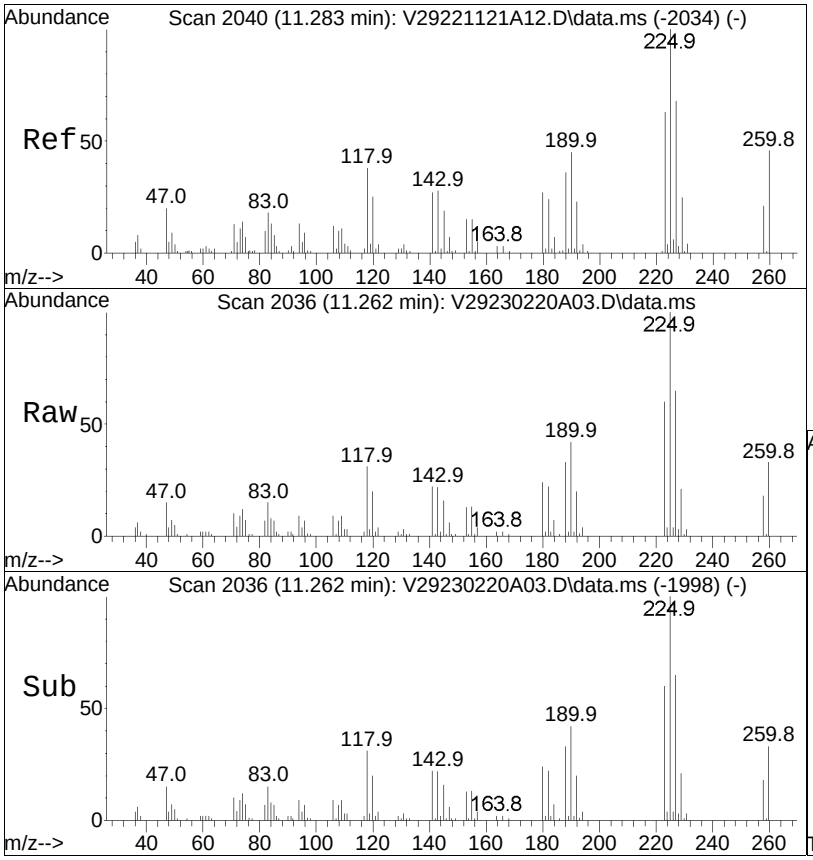


#106
1,2-Dibromo-3-chloropropane
Concen: 41.07 ug/L
RT: 10.895 min Scan# 1966
Delta R.T. 0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:155 Resp: 34766

Ion	Ratio	Lower	Upper
155	100		
157	130.3	94.8	142.2

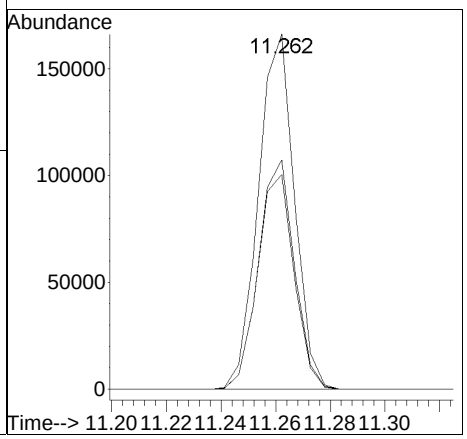


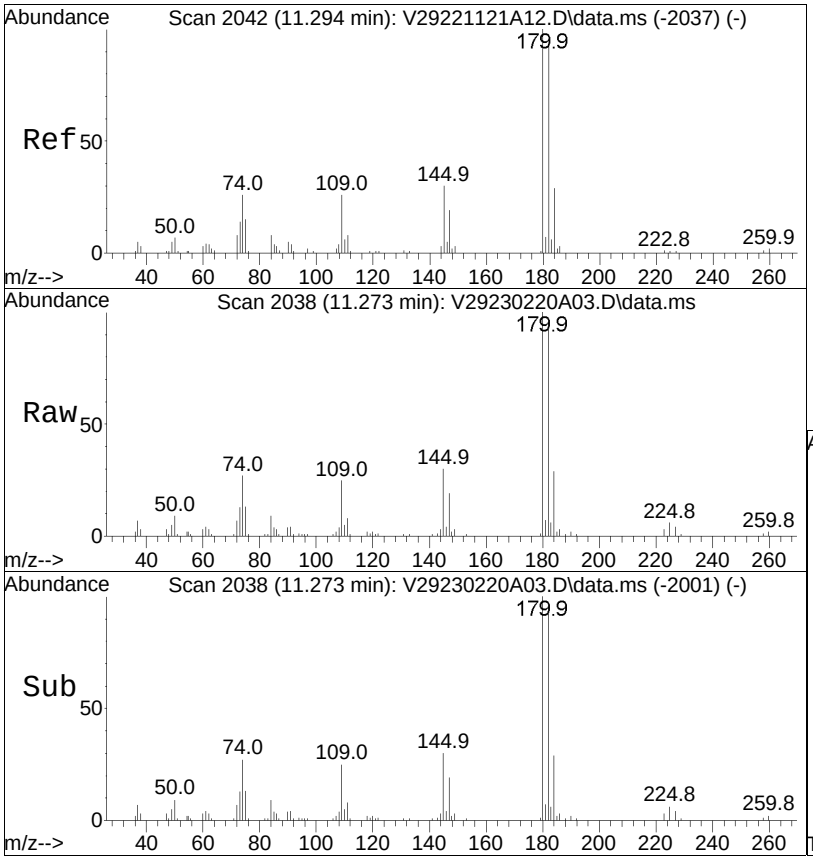


#108
Hexachlorobutadiene
Concen: 42.51 ug/L
RT: 11.262 min Scan# 2036
Delta R.T. 0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:225 Resp: 152840

Ion	Ratio	Lower	Upper
225	100		
223	61.3	54.3	81.5
227	64.3	52.4	78.6

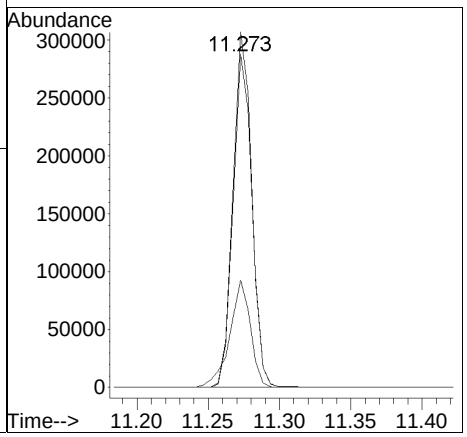


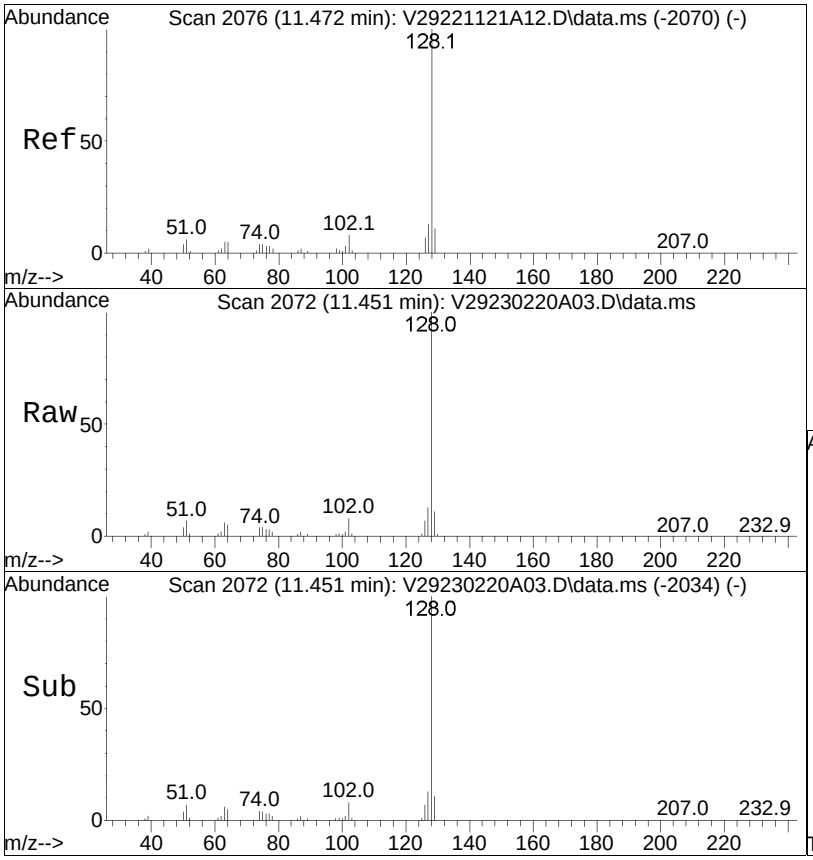


#109
1,2,4-Trichlorobenzene
Concen: 45.31 ug/L
RT: 11.273 min Scan# 2038
Delta R.T. -0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:180 Resp: 281090

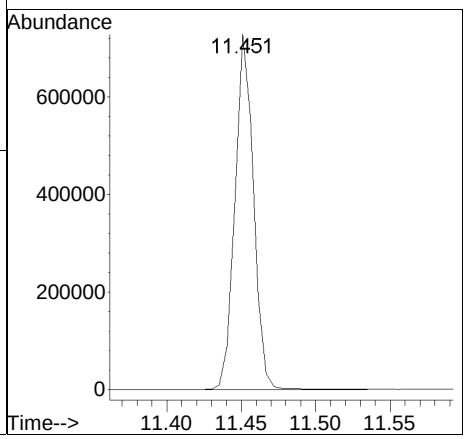
Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.3	115.9
145	33.3	28.1	42.1

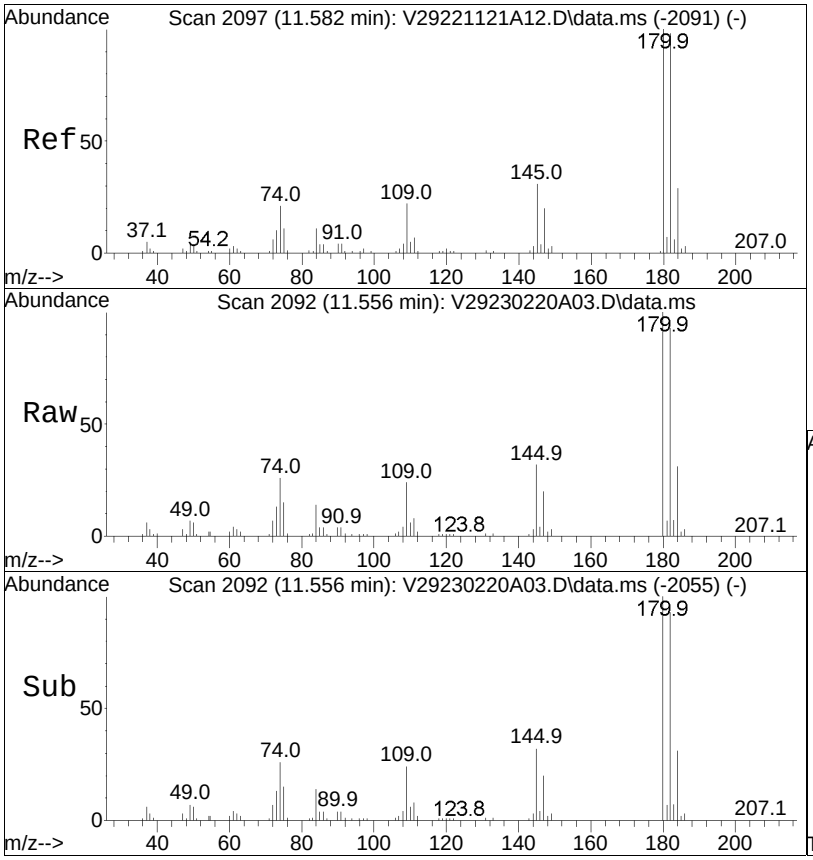




#110
Naphthalene
Concen: 44.38 ug/L
RT: 11.451 min Scan# 2072
Delta R.T. -0.000 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:128 Resp: 629680

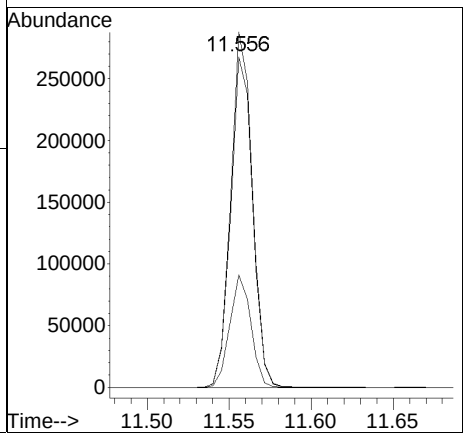




#111
1,2,3-Trichlorobenzene
Concen: 44.97 ug/L
RT: 11.556 min Scan# 2092
Delta R.T. -0.005 min
Lab File: V29230220A03.D
Acq: 20 Feb 2023 09:45 am

Tgt Ion:180 Resp: 264727

Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.4	114.6
145	31.0	26.4	39.6

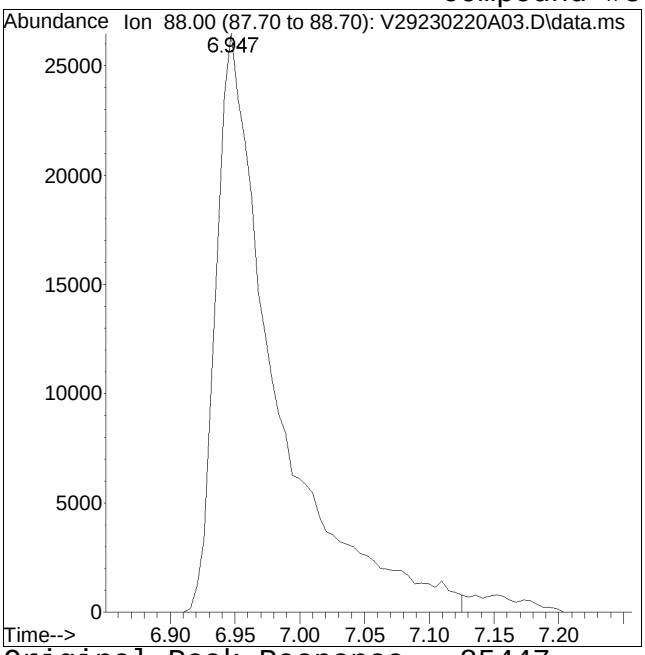


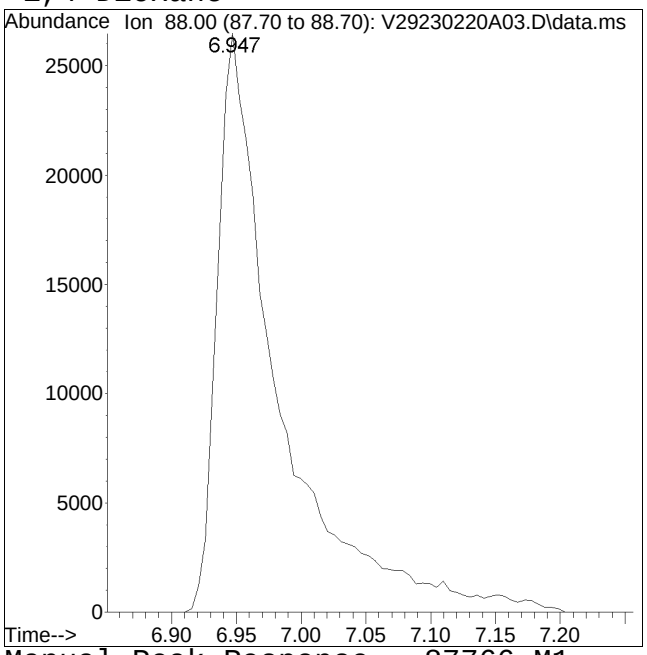
Manual Integration Report

Data Path : I:\VOLATILES\VOA129\2023\2Q
Data File : V29230220A03.D
Date Inj'd : 2/20/2023 9:45 am
Sample : WG1747023-4,31,5,5

Method : V129_221227N_8260.m
Operator : VOA129:MKS
Instrument : VOA 129
Quant Date : 2/20/2023 11:05 am

Compound #57: 1,4-Dioxane





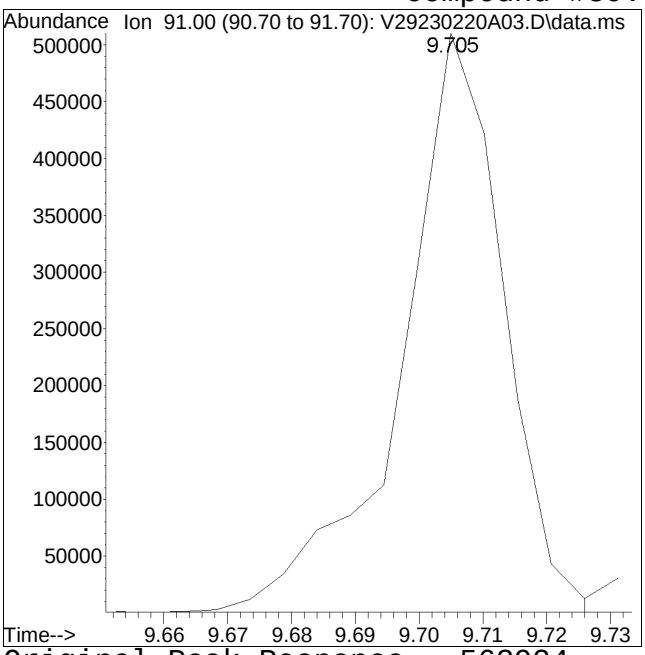
Original Peak Response = 85447 Manual Peak Response = 87766 M1

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

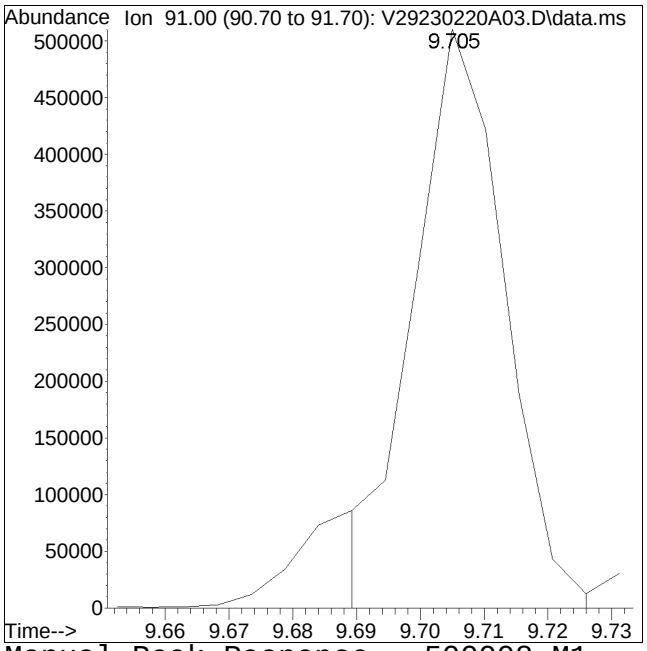
Manual Integration Report

Data Path : I:\VOLATILES\VOA129\2023\2QMethod : V129_221227N_8260.m
Data File : V29230220A03.D Operator : VOA129:MKS
Date Inj'd : 2/20/2023 9:45 am Instrument : VOA 129
Sample : WG1747023-4,31,5,5 Quant Date : 2/20/2023 11:05 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 563924



Manual Peak Response = 500908 M1

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

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)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Feb 22 2023, 12:27 pm

Work Group: WG1746138 for Department: 31 GC/MS - Volatiles

Created: 19-FEB-23 Due: Operator: mjv

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2308280-01	EB/RINSATE	S	NYTCL-8260	WATER	SEC	U	0301	0301	S0	Vial-B
L2308280-02	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	0301	0301	S0	Vial-B
L2308303-05	FIELD BLANK	S	NYTCL-8260	WATER	SEC	U	0301	0308	3E	Vial-B
L2308303-06	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	0301	0308	3E	Vial-B
L2308387-02	FIELD BLANK	S	NYTCL-8260	WATER	DONE	U	0301	0223	S0	Vial-B
L2308387-03	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	0301	0223	S0	Vial-B
L2308499-11	EP TB 20230216	S	NYTCL-8260	WATER	SEC	U	0302	0223	S0	Vial-B
L2308577-06	TRIPBLANK09_20230216	S	NYTCL-8260	WATER	DONE	U	0302	0222	S0	Vial-B
L2308600-08	WFB01_021623	S	NYTCL-8260	WATER	DONE	U	0302	0221	1C	Vial-B
L2308600-09	WTB01_021623	S	NYTCL-8260	WATER	DONE	U	0302	0221	1C	Vial-B
WG1746138-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG1746138-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG1746138-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG1746138-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG1746138-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				

Comments:

WG1746138-4 WG1746138-3

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Feb 22 2023, 12:27 pm

Work Group: WG1747023 for Department: 31 GC/MS - Volatiles

Created: 21-FEB-23 Due: Operator: MKS

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2308364-01	SS-1 (2.5-3) 021423	S	NYTCL-8260HLW	SOIL	DONE	U	0228	0223	S0	8260SET
L2308364-02	SS-2 (0-0.5) 021423	S	NYTCL-8260HLW	SOIL	DONE	U	0228	0223	S0	8260SET
L2308364-04	SS-4 (0-0.5) 021423	S	NYTCL-8260HLW	SOIL	DONE	U	0228	0223	S0	8260SET
L2308364-05	SS-5 (0-0.5) 021423	S	NYTCL-8260HLW	SOIL	DONE	U	0228	0223	S0	8260SET
L2308387-01	PX-E	S	NYTCL-8260HLW	SOIL	DONE	U	0301	0223	S0	8260SET
L2308809-01	B-5_0-2	S	NYTCL-8260HLW	SOIL	DONE	U	0303	0223	S0	8260SET
L2308809-02	B-5_4-6	S	NYTCL-8260HLW	SOIL	DONE	U	0303	0223	S0	8260SET
L2308809-03	B-6_0-2	S	NYTCL-8260HLW	SOIL	DONE	U	0303	0223	S0	8260SET
L2308809-04	B-7_3-5	S	NYTCL-8260HLW	SOIL	DONE	U	0303	0223	S0	8260SET
WG1747023-1	MS BFB Tune Standard	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1747023-2	Continuing Calibrati	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1747023-3	Laboratory Control S	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1747023-4	LCS Duplicate	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1747023-5	Laboratory Method Bl	S	NYTCL-8260HLW	SOIL	DONE	U				

Comments:

WG1747023-4 WG1747023-3

221018N **2022** Gonzo

Inst: Gonzo
Initials: AJK
Date: **10/18/22**
Run: **N**

BFB: V9311
IS/SS: V9296
ICAL: V9291C,V9307
ICV: V9274,V9304,V9306,V9284,V9275,V9305

Method
GC 8260_RTX_VMS
Autosampler: 8260
Concentrator: 8260

QC: AJK Seq: N

Vial	DATA FILE	SAMPLE	pH<2
1	G221018NBFB1	BFB	
1	VG221018N01	BLK	
2	VG221018N02	BLK	
3	VG221018N03	I8260STD0.19PPB	
4	VG221018N04	I8260STD0.19PPB	
5	VG221018N05	I8260STD0.5PPB	
6	VG221018N06	I8260STD0.5PPB	
7	VG221018N07	I8260STD2PPB	
8	VG221018N08	I8260STD2PPB	
9	VG221018N09	I8260STD10PPB	
10	VG221018N10	I8260STD30PPB	
11	VG221018N11	I8260STD80PPB	
12	VG221018N12	I8260STD120PPB	
13	VG221018N13	I8260STD200PPB	
14	VG221018N14	BLK	
15	VG221018N15	BLK	
16	VG221018N16	BLK	
17	VG221018N17	BLK	
18	VG221018N18	BLK	
19	VG221018N19	C8260STD10PPB	
20	VG221018N20	C8260STD10PPB	
21	VG221018N21	BLK	
22	VG221018N22	BLK	
23	VG221018N23	METHOD BLK	
24	VG221018N24	MDL L11	
25	VG221018N25	MDL L1	
26	VG221018N26	MDL L2	

WG1701471
ICAL 19406

Inst: VOA129
Initials: AJK
Date: **12/27/22**
Run: **N**

BFB: V9424
IS/SS: V9437
ICAL: V9423E, V9443
ICV: V9434, V9416, V9417, V9450, V9418, V9419

Method
GC: 8260
Autosampler: 8260_SOIL
Concentrator: 8260_SOIL

QC:_____ Seq:_____

Vial	Data File	SAMPLE
1	V29221227NBF1	BFB
1	V29221227N01	BLK
2	V29221227N02	BLK
3	V29221227N03	I8260STD0.5PPB
4	V29221227N04	I8260STD1.0PPB
5	V29221227N05	I8260STD2.0PPB
6	V29221227N06	I8260STD4.0PPB
7	V29221227N07	I8260STD20PPB
8	V29221227N08	I8260STD40PPB
9	V29221227N09	I8260STD100PPB
10	V29221227N10	I8260STD200PPB
11	V29221227N11	I8260STD300PPB
12	V29221227N12	BLK
13	V29221227N13	BLK
14	V29221227N14	BLK
15	V29221227N15	BLK
16	V29221227N16	C8260STD40PPB
17	V29221227N17	C8260STD40PPB
18	V29221227N18	BLK
19	V29221227N19	BLK
20	V29221227N20	MDL BLK
21	V29221227N21	MDL 0.5PPB
22	V29221227N22	MDL 1.0PPB
23	V29221227N23	MDL 4.0PPB

Inst: Gonzo BFB: V9518 Method GC 8260_RTX_VMS

Initials: MJV IS/SS: V9530 Autosampler: 8260

Date: **02/17/23** ICAL: V9519B,V9513 Concentrator: 8260

Run: **A** QC: ____ Seq:

Vial	DATA FILE	SAMPLE			pH<2
1	VG230217ABF1	BFB TUNE 07:25			
1	VG230217A01	8260 CCAL LCS			
2	VG230217A02	8260 CCAL LCSD			
3	VG230217A03	8260 CCAL			
4	VG230217A04	BLK			
5	VG230217A05	METHOD BLK			
6	VG230217A06	L2308577-06,31,10,10,,A	NYTCL	TB	pH<2
7	VG230217A07	L2308280-01,31,10,10,,A	NYTCL		pH<2
8	VG230217A08	L2308280-02,31,10,10,,A	NYTCL	TB	pH<2
9	VG230217A09	L2308387-02,31,10,10,,A	NYTCL	FB	pH<2
10	VG230217A10	L2308387-03,31,10,10,,A	NYTCL	TB	pH<2
11	VG230217A11	L2308457-01,31,10,10,,A	8260/CURVEIM		pH<2
12	VG230217A12	L2308457-02,31,10,10,,A	8260/CURVEIM		pH<2
13	VG230217A13	L2308457-03,31,10,10,,A	8260/CURVEIM		pH<2
14	VG230217A14	L2308457-04,31,10,10,,A	8260/CURVEIM		pH<2
15	VG230217A15	L2308457-05,31,10,10,,A	8260/CURVEIM	TB	pH<2
16	VG230217A16	L2308303-05,31,10,10,,A,R3E	NYTCL	FB	pH<2
17	VG230217A17	L2308303-06,31,10,10,,A,R3E	NYTCL	TB	pH<2
18	VG230217A18	L2308224-03,31,10,10,,A	8260 NH		pH<2
19	VG230217A19	L2308499-11,31,10,10,,A	NYTCL	TB	pH<2
20	VG230217A20	L2308600-08,31,10,10,,A,R1B	NY CURVE	FB	pH<2
21	VG230217A21	L2308600-09,31,10,10,,A,R1B	NY CURVE	TB	pH<2
22	VG230217A22	L2308084-07,31,10,10,,A	NJ/15	FB	pH<2
23	VG230217A23	L2308084-08,31,10,10,,A	NJ/15		pH<2
24	VG230217A24	L2308084-05,31,10,10,,A	NJ/15		pH<2
25	VG230217A25	L2308084-06,31,10,10,,A	NJ/15		pH<2
26	VG230217A26	HSTD			
27	VG230217A27	BLK			
28	VG230217A28	BLK			

Inst: VOA129
Initials: SLS/TMH
Date: **02/20/23**
Run: **A**

BFB: V9518
IS/SS: V9514
ICAL: V9519E, V9520

Method
GC: 8260
Autosampler: 8260_SOIL
Concentrator: 8260_SOIL

QC:_____ Seq:_____

Vial	Data File	SAMPLE	
1	V29230220ABF1	BFB	
1	V29230220A01	8260 CCAL	
2	V29230220A02	8260 LCS	
3	V29230220A03	8260 LCS	
4	V29230220A04	BLK	
5	V29230220A05	MEOH BLK	
6	V29230220A06	I2308809-01,31,4.24,5,,c	NYHLW
7	V29230220A07	I2308809-02,31,5.25,5,,c	NYHLW
8	V29230220A08	I2308809-03,31,7.15,5,,c	NYHLW
9	V29230220A09	I2308809-04,31,5.44,5,,c	NYHLW
10	V29230220A10	I2308809-06,31,6.40,5,,b	NYHLW
11	V29230220A11	I2308364-01,31,4.76,5,,b	NYHLW PCEBLK
12	V29230220A12	I2308364-02,31,3.63,5,,b	NYHLW PCEBLK
13	V29230220A13	I2308364-03,31,1.94,5,,b	NYHLW PCEBLK
14	V29230220A14	I2308364-04,31,5.13,5,,b	NYHLW PCEBLK
15	V29230220A15	I2308364-05,31,4.56,5,,b	NYHLW PCEBLK
16	V29230220A16	I2308387-01,31,4.03,5,,y	NYHLW
17	V29230220A17	I2308452-02d,31h,6.36,5,0.02,,x	NY/H
18	V29230220A18	I2308452-01d,31h,645,5,0.04,,x	NY/H
19	V29230220A19	I2308473-01d,31h,5.32,5,0.05,,x	NJ/H
20	V29230220A20	I2308473-02d,31h,5.64,5,0.005,,x	NJ/H
21	V29230220A21	I2308473-03,31h,5.47,5,0.100,,x	NJ/H
22	V29230220A22	I2308473-04,31,5.10,5,,y	NJHLW
23	V29230220A23	I2308473-05,31,4.97,5,,y	NJHLW
24	V29230220A24	I2308473-06,31,7.01,5,,y	NJHLW
25	V29230220A25	I2308473-07,31,5.26,5,,y	NJHLW
26	V29230220A26	STD	

Wet Chemistry

Total Solids / Percent Moisture Analysis

Results

Form 1
WETCHEM

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2308387-01	**Date Collected**	: 02/15/23 15:00
Client ID	: PX-E	**Date Received**	: 02/16/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 02/17/23 09:36
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: ROI
Lab File ID	: WG1745517.pdf	**Instrument ID**	: BALANCE#53
Sample Amount	:	**%Solids**	: 79
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**79.0**	**0.100**	**NA**	

Form 1
WETCHEM

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1745517-1	**Date Collected**	: 02/15/23 17:15
Client ID	: WG1745517-1 DUP	**Date Received**	: 02/16/23
Sample Location	:	**Date Analyzed**	: 02/17/23 09:36
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: ROI
Lab File ID	: WG1745517.pdf	**Instrument ID**	: BALANCE#53
Sample Amount	:	**%Solids**	: 71
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**69.5**	**0.100**	**NA**	

Sample Raw Data

Wet Chemistry Gravimetric ELN

Printed: FEB-17-23 15:51:44

WorkGroup WG1745517
Title Solids, Total
Method SM2540G
Instrumen BALANCE#53

Temp In (C)	105	**Temp In (C)**		**Temp In (C)**		**Temp In (C)**	
Temp Out (C)	105	**Temp Out (C)**		**Temp Out (C)**		**Temp Out (C)**	
Time In	17-FEB-23 09:51	**Time In**		**Time In**		**Time In**	
Time Out	17-FEB-23 15:48	**Time Out**		**Time Out**		**Time Out**	

Sample #	Analysis Date	Analyst	Tare Weight (gm)	Gross Weight (gm)	Net Weight (1) (gm)	Net Weight (2) (gm)	Net Weight (3) (gm)	Net Weight (4) (gm)	Result %	Comment
L2305544-42	17-FEB-23 09:36	ROMANY IBRAHIM	1.21	8.48	7.25				83.08	
L2305544-44	17-FEB-23 09:36	ROMANY IBRAHIM	1.22	8.36	7.55				88.66	
L2305544-49	17-FEB-23 09:36	ROMANY IBRAHIM	1.18	8.13	7.15				85.90	
L2305865-01	17-FEB-23 09:36	ROMANY IBRAHIM	1.21	8.01	6.64				79.85	
L2308380-01	17-FEB-23 09:36	ROMANY IBRAHIM	1.22	6.85	6.13				87.21	
L2308380-03	17-FEB-23 09:36	ROMANY IBRAHIM	1.23	8.41	6.33				71.03	
L2308387-01	17-FEB-23 09:36	ROMANY IBRAHIM	1.19	8.32	6.82				78.96	
L2308465-01	17-FEB-23 09:36	ROMANY IBRAHIM	1.23	8.34	3.01				25.04	
L2308476-01	17-FEB-23 09:36	ROMANY IBRAHIM	1.22	8.79	7.28				80.05	
L2308476-02	17-FEB-23 09:36	ROMANY IBRAHIM	1.21	8.53	7.82				90.30	
L2308476-03	17-FEB-23 09:36	ROMANY IBRAHIM	1.21	8.76	8.33				94.30	
L2308476-04	17-FEB-23 09:36	ROMANY IBRAHIM	1.23	8.53	6.78				76.03	
L2308476-05	17-FEB-23 09:36	ROMANY IBRAHIM	1.22	8.16	7.47				90.06	
L2308647-01	17-FEB-23 09:36	ROMANY IBRAHIM	1.19	8.25	7.28				86.26	
L2308647-02	17-FEB-23 09:36	ROMANY IBRAHIM	1.19	8.39	6.88				79.03	
L2308647-03	17-FEB-23 09:36	ROMANY IBRAHIM	1.21	8.2	6.2				71.39	
L2308647-04	17-FEB-23 09:36	ROMANY IBRAHIM	1.25	8.56	6.78				75.65	
L2308647-05	17-FEB-23 09:36	ROMANY IBRAHIM	1.23	8.64	7.65				86.64	
L2308647-06	17-FEB-23 09:36	ROMANY IBRAHIM	1.24	8.36	7.25				84.41	
L2308647-07	17-FEB-23 09:36	ROMANY IBRAHIM	1.21	8.06	7.46				91.24	
WG1745517-1	17-FEB-23 09:36	ROMANY IBRAHIM	1.2	8.16	6.04				69.54	

Quality Control

Form 6
Lab Duplicates

Client	: Environmental Compliance & Control,	**Lab Number**	: L2308387
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Client Sample ID	: NA	**Matrix**	: SLUDGE
Lab Sample ID	: NA	**Analysis Date**	: 02/17/23 09:36
Dup Sample ID	: WG1745517-1	**DUP Analysis Date**	: 02/17/23 09:36

Parameter	Sample Concentration (%)	Duplicate Concentration (%)	RPD	RPD Limit
Solids, Total	71.4	69.5	3	20

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Alpha Analytical

Laboratory Code: 11148

SDG Number: L2313422

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Project Name: BRIDGE CLEANERS
Project Number: BRIDGE CLEANERS

Lab Number: L2313422
Report Date: 03/20/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2313422-01	PX-N	SOIL	QUEENS, NY	03/14/23 11:20	03/15/23
L2313422-02	PX-C	SOIL	QUEENS, NY	03/14/23 13:00	03/15/23
L2313422-03	PX-NW	SOIL	QUEENS, NY	03/15/23 08:15	03/15/23
L2313422-04	PX-W	SOIL	QUEENS, NY	03/15/23 08:50	03/15/23
L2313422-05	TRIP BLANK	WATER	QUEENS, NY	03/13/23 00:00	03/15/23

Case Narrative

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

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

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

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

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

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

Case Narrative (continued)

Report Submission

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

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: Kelly Stenstrom Report Date: 03/20/23

Title: Technical Director/Representative

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: 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).

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

Volatile Organics Instruments

Volatile Organics:

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

Volatile Organics: VPH

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

Volatile Organics: PIANO

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

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD

	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

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

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

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

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

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

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

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

Pesticides/PCB/Herbicides:

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

Petroleum/EPH:

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

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

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

Semivolatile Organics (8270):

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

Semivolatile Organics (8270 SIM):

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

Semivolatile Organics (1,4-Dioxane):

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

Semivolatile Organics (209 Congener):

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

Semivolatile Organics (8081):

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

Semivolatile Organics (8082):

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

Semivolatile Organics (SHC Extractables):

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

Sample Delivery Group Summary

Alpha Job Number : L2313422

Account Name : Environmental Compliance & Control,
Project Number : BRIDGE CLEANERS
Project Name : BRIDGE CLEANERS

Received : 15-MAR-2023
Reviewer : Caitlin Cronin

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	3.3	

Condition Information

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

Volatile Organics/VPH

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

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Mar 20 2023, 08:11 pm

Login Number: L2313422
Account: ECCHORIZON Environmental Compliance & Control, Inc.Project: BRIDGE CLEANERS
Received: 15MAR23 Due Date: 22MAR23

Sample #	Client ID	Mat	PR	Collected
L2313422-01	PX-N	3	S0	14MAR23 11:20
| ASP-B Package Due Date: 03/22/23				
ASP-B,E&I-FEE,ENCORE,NYTCL-8260HLW,TS				
L2313422-02	PX-C	3	S0	14MAR23 13:00
| Package Due Date: 03/22/23				
ENCORE,NYTCL-8260HLW,TS				
L2313422-03	PX-NW	3	S0	15MAR23 08:15
| Package Due Date: 03/22/23				
ENCORE,NYTCL-8260HLW,TS				
L2313422-04	PX-W	3	S0	15MAR23 08:50
| Package Due Date: 03/22/23				
ENCORE,NYTCL-8260HLW,TS				
L2313422-05	TRIP BLANK	1	S0	13MAR23 00:00
| Package Due Date: 03/22/23				
NYTCL-8260				

Logged By: Ashaley Moynihan

ALPHA — New York / ~~NEW JERSEY~~ CHAIN OF CUSTODY

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: 3/16/23

ALPHA Job #: L2313422

Client Information
Client: ECC Horizon
Address: One Emery Ave Unit 2, Randolph NJ 07869
Phone: 973-897-6898
Fax:
Email: NCarlo@ecchorizon.com

Project Information
Project Name: Bridge Cleaners
Project Location: Queens NY
Project #: Bridge Cleaners
(Use Project name as Project #) ☒
Project Manager: Nick Carlo
ALPHAQuote #: ~~Q17778~~ MGH

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

Deliverables
☐ NJ Full / Reduced ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other EQUIS 4 file

Regulatory Requirement
☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☐ Other

Billing Information
☒ Same as Client Info
PO # Bridge Cleaners

Site Information
Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

These samples have been previously analyzed by Alpha ☐

For EPH, selection is REQUIRED: ☐ Category 1 ☐ Category 2

For VOC, selection is REQUIRED: ☐ 1,4-Dioxane ☐ 8011

Other project specific requirements/comments:
Please specify Metals or TAL.

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	ANALYSIS: NYTCL-8260	Total Solids	NYTCL-8260	Total Bottle	Sample Specific Comments
13422-01	PX-N	3-14-2023	1120	Soil	MGH	✓	✓			
02	PX-C	3-14-2023	1300			✓	✓			
03	PX-NW	3-15-2023	815			✓	✓			
04	PX-W	3-15-2023	850			✓	✓			
05	Trip Blank	3-13-2023	—	H_2O		Ø		✓		

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

Container Type	E	P	V					
Preservative	A	A	B					

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3-15-2023	12:30 MPIN ALPHA	3-15-23 12:31
MPIN ALPHA	3-15-23 19:30	KPA	3/15/23 21:00
KPA	3/15/23	[signature]	3/15/23 23:25
[signature]	3/16/23 0105	N. Khanna	3/16/23 01:15

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: 01-14 HC (rev. 30-Sept-2013)

Organics

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: Environmental Compliance & Control, Inc.
Project Name: BRIDGE CLEANERS

Lab Number: L2313422
Project Number: BRIDGE CLEANERS
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
TRIP BLANK (L2313422-05)	103	100	107	106	0
WG1756621-3LCS	95	101	99	100	0
WG1756621-4LCSD	97	101	100	102	0
WG1756621-5BLANK	104	99	107	111	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

Surrogate Recovery Summary
Form 2
Volatiles

Client: Environmental Compliance & Control, Inc.
Project Name: BRIDGE CLEANERS

Lab Number: L2313422
Project Number: BRIDGE CLEANERS
Matrix: Soil

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
PX-N (L2313422-01)	119	97	97	111	0
PX-C (L2313422-02)	119	100	105	108	0
PX-NW (L2313422-03)	119	99	99	110	0
PX-W (L2313422-04)	116	99	101	104	0
WG1756211-3LCS	92	105	98	86	0
WG1756211-4LCSD	93	104	96	87	0
WG1756211-5BLANK	121	97	95	110	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	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1756211-3 **Analysis Date** : 03/17/23 15:41	**File ID**	: V04230317N02
LCSD Sample ID	: WG1756211-4 **Analysis Date** : 03/17/23 16:07	**File ID**	: V04230317N03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	40	37	92	40	37	93	1	70-130	30
1,1-Dichloroethane	40	34	86	40	35	88	2	70-130	30
Chloroform	40	37	94	40	38	95	1	70-130	30
Carbon tetrachloride	40	44	110	40	45	113	3	70-130	30
1,2-Dichloropropane	40	35	87	40	35	87	0	70-130	30
Dibromochloromethane	40	45	112	40	45	112	0	70-130	30
1,1,2-Trichloroethane	40	39	97	40	39	97	0	70-130	30
Tetrachloroethene	40	47	118	40	47	116	2	70-130	30
Chlorobenzene	40	45	113	40	45	111	2	70-130	30
Trichlorofluoromethane	40	45	112	40	47	118	5	70-139	30
1,2-Dichloroethane	40	38	94	40	38	95	1	70-130	30
1,1,1-Trichloroethane	40	44	111	40	44	110	1	70-130	30
Bromodichloromethane	40	39	97	40	39	98	1	70-130	30
trans-1,3-Dichloropropene	40	41	101	40	40	101	0	70-130	30
cis-1,3-Dichloropropene	40	41	103	40	42	104	1	70-130	30
1,1-Dichloropropene	40	42	106	40	43	106	0	70-130	30
Bromoform	40	42	106	40	43	106	0	70-130	30
1,1,2,2-Tetrachloroethane	40	40	100	40	40	100	0	70-130	30
Benzene	40	39	97	40	40	99	2	70-130	30
Toluene	40	44	109	40	44	109	0	70-130	30
Ethylbenzene	40	46	114	40	45	113	1	70-130	30
Chloromethane	40	27	67	40	27	68	1	52-130	30
Bromomethane	40	45	113	40	46	114	1	57-147	30
Vinyl chloride	40	34	84	40	34	85	1	67-130	30
Chloroethane	40	48	121	40	49	123	2	50-151	30
1,1-Dichloroethene	40	39	97	40	39	97	0	65-135	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1756211-3 **Analysis Date** : 03/17/23 15:41	**File ID**	: V04230317N02
LCSD Sample ID	: WG1756211-4 **Analysis Date** : 03/17/23 16:07	**File ID**	: V04230317N03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	40	38	96	40	39	98	2	70-130	30
Trichloroethene	40	44	110	40	45	112	2	70-130	30
1,2-Dichlorobenzene	40	46	115	40	46	115	0	70-130	30
1,3-Dichlorobenzene	40	47	118	40	47	118	0	70-130	30
1,4-Dichlorobenzene	40	46	114	40	46	114	0	70-130	30
Methyl tert butyl ether	40	38	96	40	39	97	1	66-130	30
p/m-Xylene	80	95	119	80	94	117	2	70-130	30
o-Xylene	80	95	119	80	95	118	1	70-130	30
cis-1,2-Dichloroethene	40	36	91	40	39	97	6	70-130	30
Dibromomethane	40	38	94	40	39	97	3	70-130	30
Styrene	80	98	123	80	97	121	2	70-130	30
Dichlorodifluoromethane	40	39	98	40	40	100	2	30-146	30
Acetone	40	29	73	40	31	76	4	54-140	30
Carbon disulfide	40	64	159 Q	40	65	162 Q	2	59-130	30
2-Butanone	40	32	81	40	28	71	13	70-130	30
Vinyl acetate	40	32	79	40	31	78	1	70-130	30
4-Methyl-2-pentanone	40	33	83	40	33	83	0	70-130	30
1,2,3-Trichloropropane	40	41	101	40	41	101	0	68-130	30
2-Hexanone	40	32	80	40	33	82	2	70-130	30
Bromochloromethane	40	39	96	40	39	98	2	70-130	30
2,2-Dichloropropane	40	43	107	40	42	104	3	70-130	30
1,2-Dibromoethane	40	41	102	40	41	102	0	70-130	30
1,3-Dichloropropane	40	42	104	40	41	102	2	69-130	30
1,1,1,2-Tetrachloroethane	40	47	118	40	47	117	1	70-130	30
Bromobenzene	40	45	113	40	46	114	1	70-130	30
n-Butylbenzene	40	48	121	40	48	120	1	70-130	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: SOIL		
LCS Sample ID	: WG1756211-3 **Analysis Date** : 03/17/23 15:41	**File ID**	: V04230317N02
LCSD Sample ID	: WG1756211-4 **Analysis Date** : 03/17/23 16:07	**File ID**	: V04230317N03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
sec-Butylbenzene	40	47	118	40	47	118	0	70-130	30
tert-Butylbenzene	40	48	119	40	47	118	1	70-130	30
o-Chlorotoluene	40	46	115	40	46	116	1	70-130	30
p-Chlorotoluene	40	46	114	40	46	114	0	70-130	30
1,2-Dibromo-3-chloropropane	40	42	104	40	41	103	1	68-130	30
Hexachlorobutadiene	40	54	134 Q	40	54	134 Q	0	67-130	30
Isopropylbenzene	40	47	117	40	47	117	0	70-130	30
p-Isopropyltoluene	40	48	121	40	48	121	0	70-130	30
Naphthalene	40	42	105	40	43	106	1	70-130	30
Acrylonitrile	40	29	73	40	30	75	3	70-130	30
n-Propylbenzene	40	46	115	40	46	115	0	70-130	30
1,2,3-Trichlorobenzene	40	47	116	40	48	119	3	70-130	30
1,2,4-Trichlorobenzene	40	49	123	40	49	124	1	70-130	30
1,3,5-Trimethylbenzene	40	46	115	40	46	116	1	70-130	30
1,2,4-Trimethylbenzene	40	46	116	40	46	115	1	70-130	30
1,4-Dioxane	2000	1800	92	2000	1900	94	2	65-136	30
p-Diethylbenzene	40	48	120	40	48	120	0	70-130	30
p-Ethyltoluene	40	47	118	40	47	118	0	70-130	30
1,2,4,5-Tetramethylbenzene	40	48	119	40	48	120	1	70-130	30
Ethyl ether	40	36	89	40	37	91	2	67-130	30
trans-1,4-Dichloro-2-butene	40	39	98	40	39	98	0	70-130	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: WATER		
LCS Sample ID	: WG1756621-3 **Analysis Date** : 03/17/23 18:55	**File ID**	: V22230317N01
LCSD Sample ID	: WG1756621-4 **Analysis Date** : 03/17/23 19:19	**File ID**	: V22230317N02

	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	9.9	99	10	10	100	1	70-130	20
1,1-Dichloroethane	10	9.8	98	10	10	100	2	70-130	20
Chloroform	10	9.5	95	10	10	100	5	70-130	20
Carbon tetrachloride	10	10	100	10	10	100	0	63-132	20
1,2-Dichloropropane	10	9.8	98	10	10	100	2	70-130	20
Dibromochloromethane	10	8.6	86	10	8.5	85	1	63-130	20
1,1,2-Trichloroethane	10	9.6	96	10	9.4	94	2	70-130	20
Tetrachloroethene	10	10	100	10	10	100	0	70-130	20
Chlorobenzene	10	9.8	98	10	10	100	2	75-130	20
Trichlorofluoromethane	10	10	100	10	11	110	10	62-150	20
1,2-Dichloroethane	10	9.5	95	10	10	100	5	70-130	20
1,1,1-Trichloroethane	10	10	100	10	11	110	10	67-130	20
Bromodichloromethane	10	9.1	91	10	9.5	95	4	67-130	20
trans-1,3-Dichloropropene	10	9.0	90	10	8.9	89	1	70-130	20
cis-1,3-Dichloropropene	10	9.2	92	10	9.4	94	2	70-130	20
1,1-Dichloropropene	10	9.4	94	10	9.8	98	4	70-130	20
Bromoform	10	6.8	68	10	6.6	66	3	54-136	20
1,1,2,2-Tetrachloroethane	10	9.0	90	10	9.1	91	1	67-130	20
Benzene	10	9.8	98	10	10	100	2	70-130	20
Toluene	10	9.8	98	10	10	100	2	70-130	20
Ethylbenzene	10	9.6	96	10	10	100	4	70-130	20
Chloromethane	10	9.4	94	10	10	100	6	64-130	20
Bromomethane	10	7.4	74	10	7.9	79	7	39-139	20
Vinyl chloride	10	10	100	10	11	110	10	55-140	20
Chloroethane	10	10	100	10	11	110	10	55-138	20
1,1-Dichloroethene	10	10	100	10	11	110	10	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: WATER		
LCS Sample ID	: WG1756621-3 **Analysis Date** : 03/17/23 18:55	**File ID**	: V22230317N01
LCSD Sample ID	: WG1756621-4 **Analysis Date** : 03/17/23 19:19	**File ID**	: V22230317N02

	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	9.7	97	10	10	100	3	70-130	20
Trichloroethene	10	9.4	94	10	9.7	97	3	70-130	20
1,2-Dichlorobenzene	10	9.5	95	10	9.8	98	3	70-130	20
1,3-Dichlorobenzene	10	9.7	97	10	9.9	99	2	70-130	20
1,4-Dichlorobenzene	10	9.7	97	10	9.9	99	2	70-130	20
Methyl tert butyl ether	10	9.4	94	10	9.4	94	0	63-130	20
p/m-Xylene	20	20	100	20	21	105	5	70-130	20
o-Xylene	20	19	95	20	20	100	5	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	11	110	10	70-130	20
Dibromomethane	10	9.9	99	10	10	100	1	70-130	20
1,2,3-Trichloropropane	10	8.7	87	10	9.0	90	3	64-130	20
Acrylonitrile	10	9.4	94	10	9.3	93	1	70-130	20
Styrene	20	19	95	20	20	100	5	70-130	20
Dichlorodifluoromethane	10	10	100	10	11	110	10	36-147	20
Acetone	10	9.6	96	10	9.6	96	0	58-148	20
Carbon disulfide	10	8.7	87	10	9.6	96	10	51-130	20
2-Butanone	10	8.6	86	10	8.7	87	1	63-138	20
Vinyl acetate	10	8.3	83	10	7.9	79	5	70-130	20
4-Methyl-2-pentanone	10	8.7	87	10	9.1	91	4	59-130	20
2-Hexanone	10	7.9	79	10	8.2	82	4	57-130	20
Bromochloromethane	10	9.9	99	10	10	100	1	70-130	20
2,2-Dichloropropane	10	10	100	10	10	100	0	63-133	20
1,2-Dibromoethane	10	9.8	98	10	9.5	95	3	70-130	20
1,3-Dichloropropane	10	9.5	95	10	9.5	95	0	70-130	20
1,1,1,2-Tetrachloroethane	10	9.0	90	10	9.0	90	0	64-130	20
Bromobenzene	10	9.7	97	10	10	100	3	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Matrix	: WATER		
LCS Sample ID	: WG1756621-3 **Analysis Date** : 03/17/23 18:55	**File ID**	: V22230317N01
LCSD Sample ID	: WG1756621-4 **Analysis Date** : 03/17/23 19:19	**File ID**	: V22230317N02

	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	9.6	96	10	9.9	99	3	53-136	20
sec-Butylbenzene	10	10	100	10	10	100	0	70-130	20
tert-Butylbenzene	10	10	100	10	10	100	0	70-130	20
o-Chlorotoluene	10	9.7	97	10	10	100	3	70-130	20
p-Chlorotoluene	10	9.7	97	10	10	100	3	70-130	20
1,2-Dibromo-3-chloropropane	10	8.1	81	10	8.5	85	5	41-144	20
Hexachlorobutadiene	10	9.8	98	10	10	100	2	63-130	20
Isopropylbenzene	10	9.9	99	10	10	100	1	70-130	20
p-Isopropyltoluene	10	9.8	98	10	10	100	2	70-130	20
Naphthalene	10	9.6	96	10	9.8	98	2	70-130	20
n-Propylbenzene	10	10	100	10	10	100	0	69-130	20
1,2,3-Trichlorobenzene	10	9.6	96	10	9.8	98	2	70-130	20
1,2,4-Trichlorobenzene	10	9.5	95	10	9.7	97	2	70-130	20
1,3,5-Trimethylbenzene	10	9.1	91	10	9.5	95	4	64-130	20
1,2,4-Trimethylbenzene	10	9.1	91	10	9.4	94	3	70-130	20
1,4-Dioxane	500	460	92	500	470	94	2	56-162	20
p-Diethylbenzene	10	9.4	94	10	9.5	95	1	70-130	20
p-Ethyltoluene	10	10	100	10	10	100	0	70-130	20
1,2,4,5-Tetramethylbenzene	10	9.3	93	10	9.4	94	1	70-130	20
Ethyl ether	10	9.8	98	10	9.6	96	2	59-134	20
trans-1,4-Dichloro-2-butene	10	7.6	76	10	7.8	78	3	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab Sample ID	: WG1756211-5	**Lab File ID**	: V04230317N05
Instrument ID	: VOA104		
Matrix	: SOIL	**Analysis Date**	: 03/17/23 16:59

Client Sample No.	Lab Sample ID	Analysis Date
WG1756211-3LCS	WG1756211-3	03/17/23 15:41
WG1756211-4LCSD	WG1756211-4	03/17/23 16:07
PX-N	L2313422-01	03/17/23 19:35
PX-C	L2313422-02	03/17/23 20:01
PX-NW	L2313422-03	03/17/23 20:27
PX-W	L2313422-04	03/17/23 20:53

Method Blank Summary
Form 4
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab Sample ID	: WG1756621-5	**Lab File ID**	: V22230317N05
Instrument ID	: VOA122		
Matrix	: WATER	**Analysis Date**	: 03/17/23 20:34

Client Sample No.	Lab Sample ID	Analysis Date
WG1756621-3LCS	WG1756621-3	03/17/23 18:55
WG1756621-4LCSD	WG1756621-4	03/17/23 19:19
TRIP BLANK	L2313422-05	03/17/23 20:59

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

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA104	**Analysis Date**	: 01/18/23 10:26
Tune Standard	: WG1735258-1	**Tune File ID**	: V04230118ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	21.6
75	30.0 - 80.0% of mass 95	46.7
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	0.3 (.3)1
174	Greater than 50.0% of mass 95	85.7
175	5.0 - 9.0% of mass 174	6.2 (7.3)1
176	Greater than 95.0% but less than 101% of mass	84.2 (98.3)1
177	5.0 - 9.0% of mass 176	5.7 (6.7)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.5PPB	R1654336-3	V04230118A03	01/18/23 11:44
STD1PPB	R1654336-2	V04230118A06	01/18/23 13:02
STD2PPB	R1654336-4	V04230118A07	01/18/23 13:28
STD4PPB	R1654336-1	V04230118A09	01/18/23 14:20
STD20PPB	R1654336-7	V04230118A10	01/18/23 14:46
STD40PPB	R1654336-6	V04230118A11	01/18/23 15:12
STD100PPB	R1654336-8	V04230118A12	01/18/23 15:38
STD200PPB	R1654336-5	V04230118A13	01/18/23 16:04
STD300PPB	R1654336-9	V04230118A14	01/18/23 16:30
ICV Quant Report	R1654336-10	V04230118A20	01/18/23 19:07

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

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA104	**Analysis Date**	: 03/17/23 14:52
Tune Standard	: WG1756211-1	**Tune File ID**	: V04230317NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 80.0% of mass 95	47.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.2 (.3)1
174	Greater than 50.0% of mass 95	88.9
175	5.0 - 9.0% of mass 174	5.6 (6.3)1
176	Greater than 95.0% but less than 101% of mass	85.5 (96.2)1
177	5.0 - 9.0% of mass 176	5.7 (6.7)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1756211-2CCAL	WG1756211-2	V04230317N01	03/17/23 15:15
WG1756211-3LCS	WG1756211-3	V04230317N02	03/17/23 15:41
WG1756211-4LCSD	WG1756211-4	V04230317N03	03/17/23 16:07
WG1756211-5BLANK	WG1756211-5	V04230317N05	03/17/23 16:59
PX-N	L2313422-01	V04230317N11	03/17/23 19:35
PX-C	L2313422-02	V04230317N12	03/17/23 20:01
PX-NW	L2313422-03	V04230317N13	03/17/23 20:27
PX-W	L2313422-04	V04230317N14	03/17/23 20:53

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

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA122	**Analysis Date**	: 03/13/23 12:54
Tune Standard	: WG1754457-1	**Tune File ID**	: V222303013ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	21.4
75	30.0 - 80.0% of mass 95	50
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 (0)1
174	Greater than 50.0% of mass 95	76.5
175	5.0 - 9.0% of mass 174	5.8 (7.6)1
176	Greater than 95.0% but less than 101% of mass	74.2 (97)1
177	5.0 - 9.0% of mass 176	4.8 (6.4)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1672400-1	V22230313A03	03/13/23 13:58
STD0.5PPB	R1672400-2	V22230313A05	03/13/23 14:48
STD2PPB	R1672400-3	V22230313A07	03/13/23 15:37
STD10PPB	R1672400-4	V22230313A08	03/13/23 16:02
STD30PPB	R1672400-6	V22230313A09	03/13/23 16:27
STD80PPB	R1672400-5	V22230313A10	03/13/23 16:52
STD120PPB	R1672400-7	V22230313A11	03/13/23 17:17
STD200PPB	R1672400-9	V22230313A12	03/13/23 17:42
Correlation Data Summary	R1672400-8	V22230313A18	03/13/23 20:10
ICV Quant Report	R1672400-8	V22230313A18	03/13/23 20:10

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

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA122	**Analysis Date**	: 03/17/23 18:42
Tune Standard	: WG1756621-1	**Tune File ID**	: V22230317NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	21.2
75	30.0 - 80.0% of mass 95	48.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0% of mass 95	78.2
175	5.0 - 9.0% of mass 174	6 (7.7)1
176	Greater than 95.0% but less than 101% of mass	75.6 (96.7)1
177	5.0 - 9.0% of mass 176	5.1 (6.7)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1756621-2CCAL	WG1756621-2	V22230317N01	03/17/23 18:55
WG1756621-3LCS	WG1756621-3	V22230317N01	03/17/23 18:55
WG1756621-4LCSD	WG1756621-4	V22230317N02	03/17/23 19:19
WG1756621-5BLANK	WG1756621-5	V22230317N05	03/17/23 20:34
TRIP BLANK	L2313422-05	V22230317N06	03/17/23 20:59

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA104	**Analysis Date**	: 03/17/23 15:15:00
Sample No	: WG1756211-2	**Lab File ID**	: V04230317N01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1756211-2	175009	5.53	143112	9.02	87180	11.82
Upper Limit	350018	6.03	286224	9.52	174360	12.32
Lower Limit	87505	5.03	71556	8.52	43590	11.32
Sample ID						
WG1756211-3 LCS	161589	5.54	133206	9.02	80563	11.82
WG1756211-4 LCSD	158330	5.54	133648	9.02	80443	11.82
WG1756211-5 BLANK	117962	5.53	123731	9.02	83317	11.82
PX-N	127776	5.54	131303	9.02	85328	11.82
PX-C	132820	5.54	138997	9.02	86732	11.82
PX-NW	133687	5.54	132564	9.02	83824	11.82
PX-W	141883	5.54	135880	9.02	83061	11.82

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

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA122	**Analysis Date**	: 03/17/23 18:55:00
Sample No	: WG1756621-2	**Lab File ID**	: V22230317N01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1756621-2	370064	6.29	281467	9.87	142023	12.52
Upper Limit	740128	6.79	562934	10.37	284046	13.02
Lower Limit	185032	5.79	140734	9.37	71012	12.02
Sample ID						
WG1756621-3 LCS	370064	6.29	281467	9.87	142023	12.52
WG1756621-4 LCSD	347846	6.29	270094	9.87	137877	12.51
WG1756621-5 BLANK	304553	6.29	257745	9.87	121516	12.51
TRIP BLANK	305036	6.29	254280	9.87	120333	12.52

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: 03/15/23
Created By: Jason Hebert
File: PM14094-1
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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 Alpha Analytical, Inc.

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 Alpha Analytical, Inc.

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File: PM14095-1
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VOCs - EPA 8260D/5035 High & Low (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - 1 Vial MeOH/2 Vial Water

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	5	2.29	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	1	0.145	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	1.5	0.14	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	1	0.23	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	1	0.125	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	1	0.14	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	1	0.267	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	0.5	0.196	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	0.5	0.127	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	4	0.695	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	1	0.257	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	0.5	0.167	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	0.5	0.109	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	1	0.273	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.158	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	0.5	0.159	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	4	0.246	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	1	0.543	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	1	0.141	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	4	0.932	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	2	0.581	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	1	0.335	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	2	0.452	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	1	0.238	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	1.5	0.137	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	0.5	0.137	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.144	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.148	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.171	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	2	0.201	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	2	0.56	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	1	0.291	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	1	0.175	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
Dibromomethane	74-95-3	2	0.238	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobutane	110-56-5	10	0.226	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	2	0.127	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	1	0.196	ug/kg	70-130	30	70-130	30	30			

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

VOCs - EPA 8260D/5035 High & Low (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - 1 Vial MeOH/2 Vial Water

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dichlorodifluoromethane	75-71-8	10	0.915	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	25	10	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	10	4.55	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	10	2.22	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	10	2.15	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	10	1.28	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	10	1.18	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	10	1.58	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	4	1.15	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	2	0.205	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	4	1.59	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	2	0.202	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	1	0.279	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	2	0.167	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.132	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	2	0.145	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	1	0.167	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	1	0.146	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	2	0.118	ug/kg	70-130	30	70-130	30	30			
o-Chlorotoluene	95-49-8	2	0.191	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	2	0.108	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	3	0.998	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	4	0.169	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	1	0.109	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	1	0.109	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	4	0.65	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	1	0.171	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	2	0.322	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	2	0.272	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	2	0.193	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	2	0.334	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	5	1.42	ug/kg	70-130	30	70-130	30	30			
Ethyl ether	60-29-7	2	0.341	ug/kg	67-130	30	67-130	30	30			
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 Alpha Analytical, Inc.

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-01	**Date Collected**	: 03/14/23 11:20
Client ID	: PX-N	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/17/23 19:35
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V04230317N11	**Instrument ID**	: VOA104
Sample Amount	: 5.9 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 84
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	5.0	2.3	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.15	U
67-66-3	Chloroform	ND	1.5	0.14	U
56-23-5	Carbon tetrachloride	ND	1.0	0.23	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.12	U
124-48-1	Dibromochloromethane	ND	1.0	0.14	U
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.27	U
127-18-4	Tetrachloroethene	1.2	0.50	0.20	
108-90-7	Chlorobenzene	ND	0.50	0.13	U
75-69-4	Trichlorofluoromethane	ND	4.0	0.70	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.17	U
75-27-4	Bromodichloromethane	ND	0.50	0.11	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.28	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.16	U
563-58-6	1,1-Dichloropropene	ND	0.50	0.16	U
75-25-2	Bromoform	ND	4.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.17	U
108-88-3	Toluene	ND	1.0	0.55	U
100-41-4	Ethylbenzene	ND	1.0	0.14	U
74-87-3	Chloromethane	ND	4.0	0.94	U
74-83-9	Bromomethane	ND	2.0	0.58	U
75-01-4	Vinyl chloride	ND	1.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-01	**Date Collected**	: 03/14/23 11:20
Client ID	: PX-N	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/17/23 19:35
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V04230317N11	**Instrument ID**	: VOA104
Sample Amount	: 5.9 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 84
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.0	0.46	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.14	U
79-01-6	Trichloroethene	ND	0.50	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.56	U
95-47-6	o-Xylene	ND	1.0	0.29	U
1330-20-7	Xylenes, Total	ND	1.0	0.29	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
540-59-0	1,2-Dichloroethene, Total	ND	1.0	0.14	U
74-95-3	Dibromomethane	ND	2.0	0.24	U
100-42-5	Styrene	ND	1.0	0.20	U
75-71-8	Dichlorodifluoromethane	ND	10	0.92	U
67-64-1	Acetone	ND	10	4.8	U
75-15-0	Carbon disulfide	ND	10	4.6	U
78-93-3	2-Butanone	ND	10	2.2	U
108-05-4	Vinyl acetate	ND	10	2.2	U
108-10-1	4-Methyl-2-pentanone	ND	10	1.3	U
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.13	U
591-78-6	2-Hexanone	ND	10	1.2	U
74-97-5	Bromochloromethane	ND	2.0	0.21	U
594-20-7	2,2-Dichloropropane	ND	2.0	0.20	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2313422-01	Date Collected	: 03/14/23 11:20
Client ID	: PX-N	Date Received	: 03/15/23
Sample Location	: QUEENS, NY	Date Analyzed	: 03/17/23 19:35
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V04230317N11	Instrument ID	: VOA104
Sample Amount	: 5.9 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 84
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	U
142-28-9	1,3-Dichloropropane	ND	2.0	0.17	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	U
108-86-1	Bromobenzene	ND	2.0	0.15	U
104-51-8	n-Butylbenzene	ND	1.0	0.17	U
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
95-49-8	o-Chlorotoluene	ND	2.0	0.19	U
106-43-4	p-Chlorotoluene	ND	2.0	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.0	1.0	U
87-68-3	Hexachlorobutadiene	ND	4.0	0.17	U
98-82-8	Isopropylbenzene	ND	1.0	0.11	U
99-87-6	p-Isopropyltoluene	ND	1.0	0.11	U
91-20-3	Naphthalene	ND	4.0	0.65	U
107-13-1	Acrylonitrile	ND	4.0	1.2	U
103-65-1	n-Propylbenzene	ND	1.0	0.17	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.32	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.27	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.34	U
123-91-1	1,4-Dioxane	ND	80	35.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.18	U
622-96-8	p-Ethyltoluene	ND	2.0	0.39	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.19	U
60-29-7	Ethyl ether	ND	2.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-01	**Date Collected**	: 03/14/23 11:20
Client ID	: PX-N	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/17/23 19:35
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V04230317N11	**Instrument ID**	: VOA104
Sample Amount	: 5.9 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 84
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	1.4	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-02	**Date Collected**	: 03/14/23 13:00
Client ID	: PX-C	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/17/23 20:01
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V04230317N12	**Instrument ID**	: VOA104
Sample Amount	: 6.1 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 82
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	5.0	2.3	U
75-34-3	1,1-Dichloroethane	ND	0.99	0.14	U
67-66-3	Chloroform	ND	1.5	0.14	U
56-23-5	Carbon tetrachloride	ND	0.99	0.23	U
78-87-5	1,2-Dichloropropane	ND	0.99	0.12	U
124-48-1	Dibromochloromethane	ND	0.99	0.14	U
79-00-5	1,1,2-Trichloroethane	ND	0.99	0.26	U
127-18-4	Tetrachloroethene	2.8	0.50	0.19	
108-90-7	Chlorobenzene	ND	0.50	0.12	U
75-69-4	Trichlorofluoromethane	ND	4.0	0.69	U
107-06-2	1,2-Dichloroethane	ND	0.99	0.25	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.11	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.99	0.27	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.16	U
563-58-6	1,1-Dichloropropene	ND	0.50	0.16	U
75-25-2	Bromoform	ND	4.0	0.24	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.16	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	0.99	0.54	U
100-41-4	Ethylbenzene	ND	0.99	0.14	U
74-87-3	Chloromethane	ND	4.0	0.92	U
74-83-9	Bromomethane	ND	2.0	0.58	U
75-01-4	Vinyl chloride	ND	0.99	0.33	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2313422-02	Date Collected	: 03/14/23 13:00
Client ID	: PX-C	Date Received	: 03/15/23
Sample Location	: QUEENS, NY	Date Analyzed	: 03/17/23 20:01
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V04230317N12	Instrument ID	: VOA104
Sample Amount	: 6.1 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 82
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.0	0.45	U
75-35-4	1,1-Dichloroethene	ND	0.99	0.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.14	U
79-01-6	Trichloroethene	ND	0.50	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.56	U
95-47-6	o-Xylene	ND	0.99	0.29	U
1330-20-7	Xylenes, Total	ND	0.99	0.29	U
156-59-2	cis-1,2-Dichloroethene	ND	0.99	0.17	U
540-59-0	1,2-Dichloroethene, Total	ND	0.99	0.14	U
74-95-3	Dibromomethane	ND	2.0	0.24	U
100-42-5	Styrene	ND	0.99	0.19	U
75-71-8	Dichlorodifluoromethane	ND	9.9	0.91	U
67-64-1	Acetone	ND	9.9	4.8	U
75-15-0	Carbon disulfide	ND	9.9	4.5	U
78-93-3	2-Butanone	ND	9.9	2.2	U
108-05-4	Vinyl acetate	ND	9.9	2.1	U
108-10-1	4-Methyl-2-pentanone	ND	9.9	1.3	U
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.12	U
591-78-6	2-Hexanone	ND	9.9	1.2	U
74-97-5	Bromochloromethane	ND	2.0	0.20	U
594-20-7	2,2-Dichloropropane	ND	2.0	0.20	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-02	**Date Collected**	: 03/14/23 13:00
Client ID	: PX-C	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/17/23 20:01
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V04230317N12	**Instrument ID**	: VOA104
Sample Amount	: 6.1 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 82
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-93-4	1,2-Dibromoethane	ND	0.99	0.28	U
142-28-9	1,3-Dichloropropane	ND	2.0	0.16	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	U
108-86-1	Bromobenzene	ND	2.0	0.14	U
104-51-8	n-Butylbenzene	ND	0.99	0.16	U
135-98-8	sec-Butylbenzene	ND	0.99	0.14	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
95-49-8	o-Chlorotoluene	ND	2.0	0.19	U
106-43-4	p-Chlorotoluene	ND	2.0	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.0	0.99	U
87-68-3	Hexachlorobutadiene	ND	4.0	0.17	U
98-82-8	Isopropylbenzene	ND	0.99	0.11	U
99-87-6	p-Isopropyltoluene	ND	0.99	0.11	U
91-20-3	Naphthalene	ND	4.0	0.64	U
107-13-1	Acrylonitrile	ND	4.0	1.1	U
103-65-1	n-Propylbenzene	ND	0.99	0.17	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.32	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.27	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.33	U
123-91-1	1,4-Dioxane	ND	79	35.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.18	U
622-96-8	p-Ethyltoluene	ND	2.0	0.38	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.19	U
60-29-7	Ethyl ether	ND	2.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-02	**Date Collected**	: 03/14/23 13:00
Client ID	: PX-C	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/17/23 20:01
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V04230317N12	**Instrument ID**	: VOA104
Sample Amount	: 6.1 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 82
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	1.4	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-03	**Date Collected**	: 03/15/23 08:15
Client ID	: PX-NW	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/17/23 20:27
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V04230317N13	**Instrument ID**	: VOA104
Sample Amount	: 3.9 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 95
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	6.8	3.1	U
75-34-3	1,1-Dichloroethane	ND	1.4	0.20	U
67-66-3	Chloroform	ND	2.0	0.19	U
56-23-5	Carbon tetrachloride	ND	1.4	0.31	U
78-87-5	1,2-Dichloropropane	ND	1.4	0.17	U
124-48-1	Dibromochloromethane	ND	1.4	0.19	U
79-00-5	1,1,2-Trichloroethane	ND	1.4	0.36	U
127-18-4	Tetrachloroethene	7.8	0.68	0.27	
108-90-7	Chlorobenzene	ND	0.68	0.17	U
75-69-4	Trichlorofluoromethane	ND	5.5	0.95	U
107-06-2	1,2-Dichloroethane	ND	1.4	0.35	U
71-55-6	1,1,1-Trichloroethane	ND	0.68	0.23	U
75-27-4	Bromodichloromethane	ND	0.68	0.15	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.4	0.37	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.68	0.22	U
542-75-6	1,3-Dichloropropene, Total	ND	0.68	0.22	U
563-58-6	1,1-Dichloropropene	ND	0.68	0.22	U
75-25-2	Bromoform	ND	5.5	0.34	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.68	0.23	U
71-43-2	Benzene	ND	0.68	0.23	U
108-88-3	Toluene	ND	1.4	0.74	U
100-41-4	Ethylbenzene	ND	1.4	0.19	U
74-87-3	Chloromethane	ND	5.5	1.3	U
74-83-9	Bromomethane	ND	2.7	0.79	U
75-01-4	Vinyl chloride	ND	1.4	0.46	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-03	**Date Collected**	: 03/15/23 08:15
Client ID	: PX-NW	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/17/23 20:27
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V04230317N13	**Instrument ID**	: VOA104
Sample Amount	: 3.9 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 95
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.7	0.62	U
75-35-4	1,1-Dichloroethene	ND	1.4	0.32	U
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.19	U
79-01-6	Trichloroethene	ND	0.68	0.19	U
95-50-1	1,2-Dichlorobenzene	ND	2.7	0.20	U
541-73-1	1,3-Dichlorobenzene	ND	2.7	0.20	U
106-46-7	1,4-Dichlorobenzene	ND	2.7	0.23	U
1634-04-4	Methyl tert butyl ether	ND	2.7	0.27	U
179601-23-1	p/m-Xylene	ND	2.7	0.76	U
95-47-6	o-Xylene	ND	1.4	0.40	U
1330-20-7	Xylenes, Total	ND	1.4	0.40	U
156-59-2	cis-1,2-Dichloroethene	ND	1.4	0.24	U
540-59-0	1,2-Dichloroethene, Total	ND	1.4	0.19	U
74-95-3	Dibromomethane	ND	2.7	0.32	U
100-42-5	Styrene	ND	1.4	0.27	U
75-71-8	Dichlorodifluoromethane	ND	14	1.2	U
67-64-1	Acetone	ND	14	6.6	U
75-15-0	Carbon disulfide	ND	14	6.2	U
78-93-3	2-Butanone	ND	14	3.0	U
108-05-4	Vinyl acetate	ND	14	2.9	U
108-10-1	4-Methyl-2-pentanone	ND	14	1.8	U
96-18-4	1,2,3-Trichloropropane	ND	2.7	0.17	U
591-78-6	2-Hexanone	ND	14	1.6	U
74-97-5	Bromochloromethane	ND	2.7	0.28	U
594-20-7	2,2-Dichloropropane	ND	2.7	0.28	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2313422-03	Date Collected	: 03/15/23 08:15
Client ID	: PX-NW	Date Received	: 03/15/23
Sample Location	: QUEENS, NY	Date Analyzed	: 03/17/23 20:27
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V04230317N13	Instrument ID	: VOA104
Sample Amount	: 3.9 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 95
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.4	0.38	U
142-28-9	1,3-Dichloropropane	ND	2.7	0.23	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.68	0.18	U
108-86-1	Bromobenzene	ND	2.7	0.20	U
104-51-8	n-Butylbenzene	ND	1.4	0.23	U
135-98-8	sec-Butylbenzene	ND	1.4	0.20	U
98-06-6	tert-Butylbenzene	ND	2.7	0.16	U
95-49-8	o-Chlorotoluene	ND	2.7	0.26	U
106-43-4	p-Chlorotoluene	ND	2.7	0.15	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.1	1.4	U
87-68-3	Hexachlorobutadiene	ND	5.5	0.23	U
98-82-8	Isopropylbenzene	ND	1.4	0.15	U
99-87-6	p-Isopropyltoluene	ND	1.4	0.15	U
91-20-3	Naphthalene	ND	5.5	0.89	U
107-13-1	Acrylonitrile	ND	5.5	1.6	U
103-65-1	n-Propylbenzene	ND	1.4	0.23	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.7	0.44	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.7	0.37	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.7	0.26	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.7	0.46	U
123-91-1	1,4-Dioxane	ND	110	48.	U
105-05-5	p-Diethylbenzene	ND	2.7	0.24	U
622-96-8	p-Ethyltoluene	ND	2.7	0.52	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.7	0.26	U
60-29-7	Ethyl ether	ND	2.7	0.47	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-03	**Date Collected**	: 03/15/23 08:15
Client ID	: PX-NW	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/17/23 20:27
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V04230317N13	**Instrument ID**	: VOA104
Sample Amount	: 3.9 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 95
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.8	1.9	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-04	**Date Collected**	: 03/15/23 08:50
Client ID	: PX-W	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/17/23 20:53
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V04230317N14	**Instrument ID**	: VOA104
Sample Amount	: 5.1 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 93
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	5.3	2.4	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.15	U
67-66-3	Chloroform	ND	1.6	0.15	U
56-23-5	Carbon tetrachloride	ND	1.0	0.24	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.13	U
124-48-1	Dibromochloromethane	ND	1.0	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	U
127-18-4	Tetrachloroethene	21	0.53	0.21	
108-90-7	Chlorobenzene	ND	0.53	0.13	U
75-69-4	Trichlorofluoromethane	ND	4.2	0.74	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.27	U
71-55-6	1,1,1-Trichloroethane	ND	0.53	0.18	U
75-27-4	Bromodichloromethane	ND	0.53	0.12	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.29	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.53	0.17	U
542-75-6	1,3-Dichloropropene, Total	ND	0.53	0.17	U
563-58-6	1,1-Dichloropropene	ND	0.53	0.17	U
75-25-2	Bromoform	ND	4.2	0.26	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.53	0.18	U
71-43-2	Benzene	ND	0.53	0.18	U
108-88-3	Toluene	ND	1.0	0.57	U
100-41-4	Ethylbenzene	ND	1.0	0.15	U
74-87-3	Chloromethane	ND	4.2	0.99	U
74-83-9	Bromomethane	ND	2.1	0.61	U
75-01-4	Vinyl chloride	ND	1.0	0.35	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-04	**Date Collected**	: 03/15/23 08:50
Client ID	: PX-W	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/17/23 20:53
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V04230317N14	**Instrument ID**	: VOA104
Sample Amount	: 5.1 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 93
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.1	0.48	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.25	U
156-60-5	trans-1,2-Dichloroethene	ND	1.6	0.14	U
79-01-6	Trichloroethene	ND	0.53	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.1	0.15	U
541-73-1	1,3-Dichlorobenzene	ND	2.1	0.16	U
106-46-7	1,4-Dichlorobenzene	ND	2.1	0.18	U
1634-04-4	Methyl tert butyl ether	ND	2.1	0.21	U
179601-23-1	p/m-Xylene	ND	2.1	0.59	U
95-47-6	o-Xylene	ND	1.0	0.31	U
1330-20-7	Xylenes, Total	ND	1.0	0.31	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
540-59-0	1,2-Dichloroethene, Total	ND	1.0	0.14	U
74-95-3	Dibromomethane	ND	2.1	0.25	U
100-42-5	Styrene	ND	1.0	0.21	U
75-71-8	Dichlorodifluoromethane	ND	10	0.97	U
67-64-1	Acetone	ND	10	5.1	U
75-15-0	Carbon disulfide	ND	10	4.8	U
78-93-3	2-Butanone	ND	10	2.3	U
108-05-4	Vinyl acetate	ND	10	2.3	U
108-10-1	4-Methyl-2-pentanone	ND	10	1.4	U
96-18-4	1,2,3-Trichloropropane	ND	2.1	0.13	U
591-78-6	2-Hexanone	ND	10	1.2	U
74-97-5	Bromochloromethane	ND	2.1	0.22	U
594-20-7	2,2-Dichloropropane	ND	2.1	0.21	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2313422-04	Date Collected	: 03/15/23 08:50
Client ID	: PX-W	Date Received	: 03/15/23
Sample Location	: QUEENS, NY	Date Analyzed	: 03/17/23 20:53
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V04230317N14	Instrument ID	: VOA104
Sample Amount	: 5.1 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 93
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	U
142-28-9	1,3-Dichloropropane	ND	2.1	0.18	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.53	0.14	U
108-86-1	Bromobenzene	ND	2.1	0.15	U
104-51-8	n-Butylbenzene	ND	1.0	0.18	U
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.1	0.12	U
95-49-8	o-Chlorotoluene	ND	2.1	0.20	U
106-43-4	p-Chlorotoluene	ND	2.1	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.2	1.0	U
87-68-3	Hexachlorobutadiene	ND	4.2	0.18	U
98-82-8	Isopropylbenzene	ND	1.0	0.12	U
99-87-6	p-Isopropyltoluene	ND	1.0	0.12	U
91-20-3	Naphthalene	ND	4.2	0.69	U
107-13-1	Acrylonitrile	ND	4.2	1.2	U
103-65-1	n-Propylbenzene	ND	1.0	0.18	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.1	0.34	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.1	0.29	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.1	0.20	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.1	0.35	U
123-91-1	1,4-Dioxane	ND	85	37.	U
105-05-5	p-Diethylbenzene	ND	2.1	0.19	U
622-96-8	p-Ethyltoluene	ND	2.1	0.41	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.1	0.20	U
60-29-7	Ethyl ether	ND	2.1	0.36	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-04	**Date Collected**	: 03/15/23 08:50
Client ID	: PX-W	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/17/23 20:53
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V04230317N14	**Instrument ID**	: VOA104
Sample Amount	: 5.1 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 93
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.3	1.5	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-05	**Date Collected**	: 03/13/23 00:00
Client ID	: TRIP BLANK	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/17/23 20:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V22230317N06	**Instrument ID**	: VOA122
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	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-05	**Date Collected**	: 03/13/23 00:00
Client ID	: TRIP BLANK	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/17/23 20:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V22230317N06	**Instrument ID**	: VOA122
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	0.70	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	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: L2313422-05	Date Collected	: 03/13/23 00:00
Client ID	: TRIP BLANK	Date Received	: 03/15/23
Sample Location	: QUEENS, NY	Date Analyzed	: 03/17/23 20:59
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V22230317N06	Instrument ID	: VOA122
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	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-05	**Date Collected**	: 03/13/23 00:00
Client ID	: TRIP BLANK	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/17/23 20:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V22230317N06	**Instrument ID**	: VOA122
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

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1756211-5	**Date Collected**	: NA
Client ID	: WG1756211-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/17/23 16:59
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: TMS
Lab File ID	: V04230317N05	**Instrument ID**	: VOA104
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	5.0	2.3	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	U
67-66-3	Chloroform	ND	1.5	0.14	U
56-23-5	Carbon tetrachloride	ND	1.0	0.23	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.12	U
124-48-1	Dibromochloromethane	ND	1.0	0.14	U
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.27	U
127-18-4	Tetrachloroethene	ND	0.50	0.20	U
108-90-7	Chlorobenzene	ND	0.50	0.13	U
75-69-4	Trichlorofluoromethane	ND	4.0	0.70	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.17	U
75-27-4	Bromodichloromethane	ND	0.50	0.11	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.27	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.16	U
563-58-6	1,1-Dichloropropene	ND	0.50	0.16	U
75-25-2	Bromoform	ND	4.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.17	U
108-88-3	Toluene	ND	1.0	0.54	U
100-41-4	Ethylbenzene	ND	1.0	0.14	U
74-87-3	Chloromethane	ND	4.0	0.93	U
74-83-9	Bromomethane	ND	2.0	0.58	U
75-01-4	Vinyl chloride	ND	1.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1756211-5	**Date Collected**	: NA
Client ID	: WG1756211-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/17/23 16:59
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: TMS
Lab File ID	: V04230317N05	**Instrument ID**	: VOA104
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.0	0.45	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.14	U
79-01-6	Trichloroethene	ND	0.50	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.56	U
95-47-6	o-Xylene	ND	1.0	0.29	U
1330-20-7	Xylenes, Total	ND	1.0	0.29	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
540-59-0	1,2-Dichloroethene, Total	ND	1.0	0.14	U
74-95-3	Dibromomethane	ND	2.0	0.24	U
100-42-5	Styrene	ND	1.0	0.20	U
75-71-8	Dichlorodifluoromethane	ND	10	0.92	U
67-64-1	Acetone	ND	10	4.8	U
75-15-0	Carbon disulfide	ND	10	4.6	U
78-93-3	2-Butanone	ND	10	2.2	U
108-05-4	Vinyl acetate	ND	10	2.2	U
108-10-1	4-Methyl-2-pentanone	ND	10	1.3	U
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.13	U
591-78-6	2-Hexanone	ND	10	1.2	U
74-97-5	Bromochloromethane	ND	2.0	0.20	U
594-20-7	2,2-Dichloropropane	ND	2.0	0.20	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1756211-5	Date Collected	: NA
Client ID	: WG1756211-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/17/23 16:59
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: TMS
Lab File ID	: V04230317N05	Instrument ID	: VOA104
Sample Amount	: 5.0 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: NA
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	U
142-28-9	1,3-Dichloropropane	ND	2.0	0.17	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	U
108-86-1	Bromobenzene	ND	2.0	0.14	U
104-51-8	n-Butylbenzene	ND	1.0	0.17	U
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
95-49-8	o-Chlorotoluene	ND	2.0	0.19	U
106-43-4	p-Chlorotoluene	ND	2.0	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.0	1.0	U
87-68-3	Hexachlorobutadiene	ND	4.0	0.17	U
98-82-8	Isopropylbenzene	ND	1.0	0.11	U
99-87-6	p-Isopropyltoluene	ND	1.0	0.11	U
91-20-3	Naphthalene	ND	4.0	0.65	U
107-13-1	Acrylonitrile	ND	4.0	1.2	U
103-65-1	n-Propylbenzene	ND	1.0	0.17	U
87-61-6	1,2,3-Trichlorobenzene	0.35	2.0	0.32	J
120-82-1	1,2,4-Trichlorobenzene	0.28	2.0	0.27	J
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.33	U
123-91-1	1,4-Dioxane	ND	80	35.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.18	U
622-96-8	p-Ethyltoluene	ND	2.0	0.38	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.19	U
60-29-7	Ethyl ether	ND	2.0	0.34	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1756211-5	**Date Collected**	: NA
Client ID	: WG1756211-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/17/23 16:59
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: TMS
Lab File ID	: V04230317N05	**Instrument ID**	: VOA104
Sample Amount	: 5.0 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: NA
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	1.4	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1756621-5	**Date Collected**	: NA
Client ID	: WG1756621-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/17/23 20:34
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V22230317N05	**Instrument ID**	: VOA122
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	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1756621-5	Date Collected	: NA
Client ID	: WG1756621-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/17/23 20:34
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22230317N05	Instrument ID	: VOA122
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	0.70	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	: Environmental Compliance & Control,	Lab Number	: L2313422
Project Name	: BRIDGE CLEANERS	Project Number	: BRIDGE CLEANERS
Lab ID	: WG1756621-5	Date Collected	: NA
Client ID	: WG1756621-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/17/23 20:34
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V22230317N05	Instrument ID	: VOA122
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	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1756621-5	**Date Collected**	: NA
Client ID	: WG1756621-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/17/23 20:34
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V22230317N05	**Instrument ID**	: VOA122
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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N11.D
Acq On : 17 Mar 2023 7:35 pm
Operator : VOA104:LAC
Sample : L2313422-01,31,5.93,5,,Y
Misc : WG1756211,ICAL19666
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 18 15:31:28 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.539	96	127776	20.000	ug/L	0.00
Standard Area 1 = 175009			Recovery = 73.01%			
59) Chlorobenzene-d5	9.021	117	131303	20.000	ug/L	0.00
Standard Area 1 = 143112			Recovery = 91.75%			
79) 1,4-Dichlorobenzene-d4	11.820	152	85328	20.000	ug/L	0.00
Standard Area 1 = 87180			Recovery = 97.88%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.763	113	48950	22.183	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 110.92%			
43) 1,2-Dichloroethane-d4	5.272	65	42006	23.877	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 119.38%			
60) Toluene-d8	7.196	98	152681	19.320	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.60%			
83) 4-Bromofluorobenzene	10.562	95	71202	19.321	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.61%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.633	50	55	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.979	94	128	Below Cal #		4
6) Chloroethane	0.000		0	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	2.666	76	679	0.128	ug/L #	73
15) Methylene chloride	3.159	84	626	0.224	ug/L	88
17) Acetone	0.000		0	N.D. d		
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	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	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N11.D
Acq On : 17 Mar 2023 7:35 pm
Operator : VOA104:LAC
Sample : L2313422-01,31,5.93,5,,Y
Misc : WG1756211,ICAL19666
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 18 15:31:28 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.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	0.000		0	N.D.		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	0.000		0	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	0.000		0	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.694	166	2618	1.208	ug/L	96
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	0.000		0	N.D.		
74) Ethylbenzene	0.000		0	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	10.562	91	55	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	0.000		0	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	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N11.D
Acq On : 17 Mar 2023 7:35 pm
Operator : VOA104:LAC
Sample : L2313422-01,31,5.93,5,,Y
Misc : WG1756211,ICAL19666
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 18 15:31:28 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	11.490	105	98		N.D.	
98) sec-Butylbenzene	11.490	105	98		N.D.	
99) p-Isopropyltoluene	11.684	119	194		N.D.	
100) 1,3-Dichlorobenzene	0.000		0		N.D.	
101) 1,4-Dichlorobenzene	0.000		0		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	14.028	128	708		N.D.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

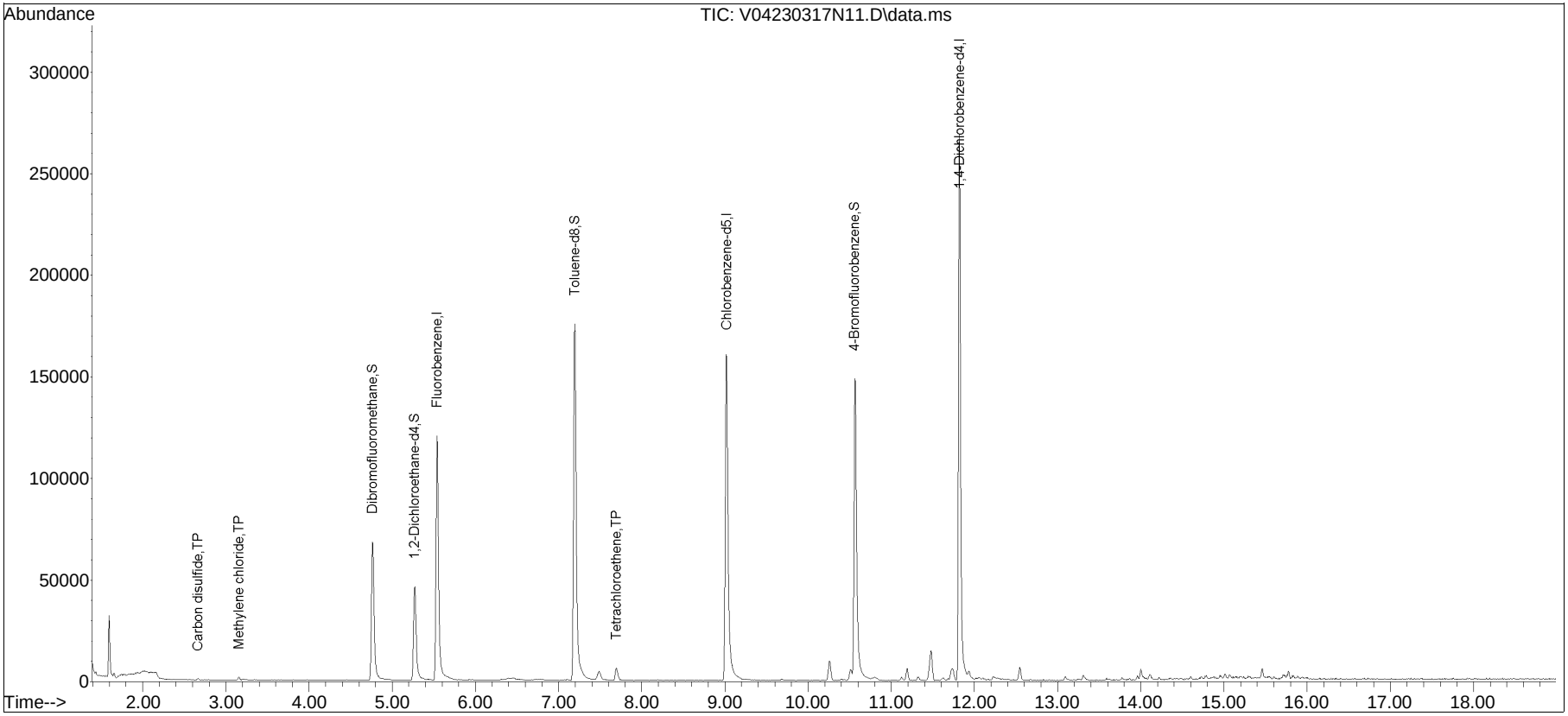
(#) = qualifier out of range (m) = manual integration (+) = signals summed

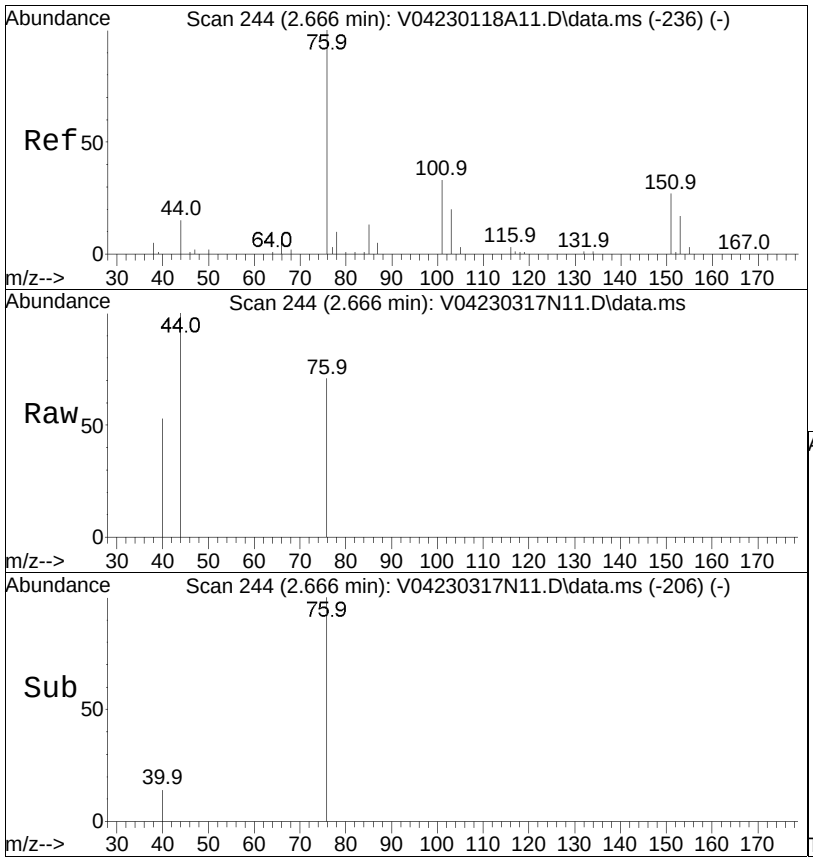
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N11.D
Acq On : 17 Mar 2023 7:35 pm
Operator : VOA104:LAC
Sample : L2313422-01,31,5.93,5,,Y
Misc : WG1756211,ICAL19666
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 18 15:31:28 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox30317N\V04230317N01.D•

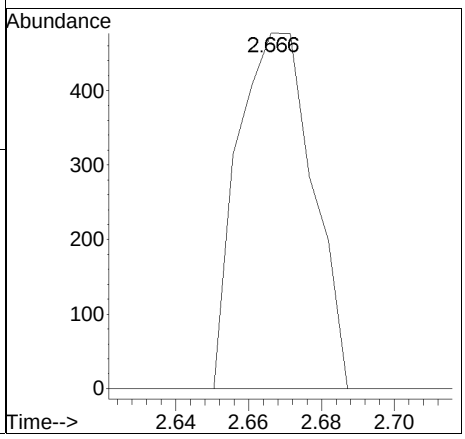


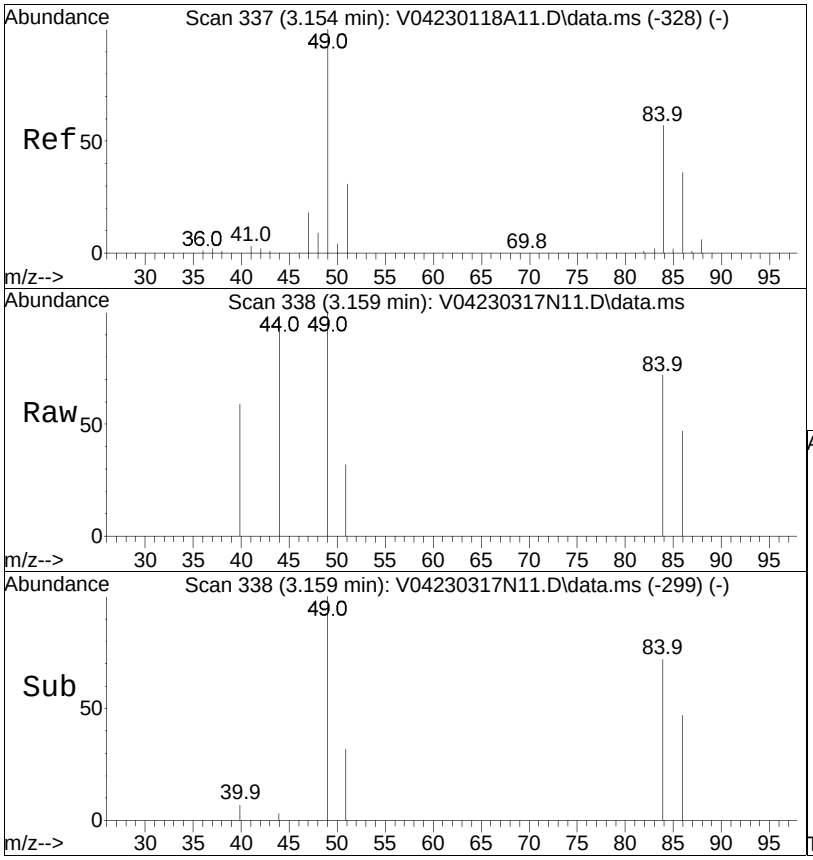


#11
Carbon disulfide
Concen: 0.13 ug/L
RT: 2.666 min Scan# 244
Delta R.T. 0.000 min
Lab File: V04230317N11.D
Acq: 17 Mar 2023 7:35 pm

Tgt Ion: 76 Resp: 679

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.6	13.8#

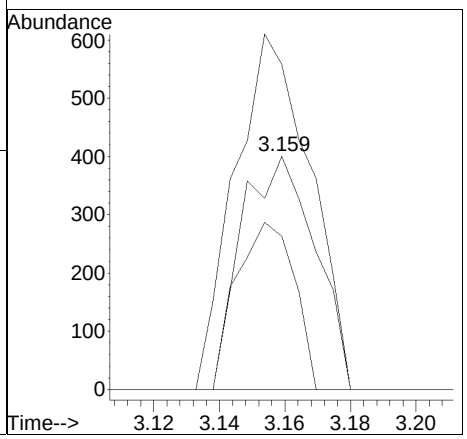


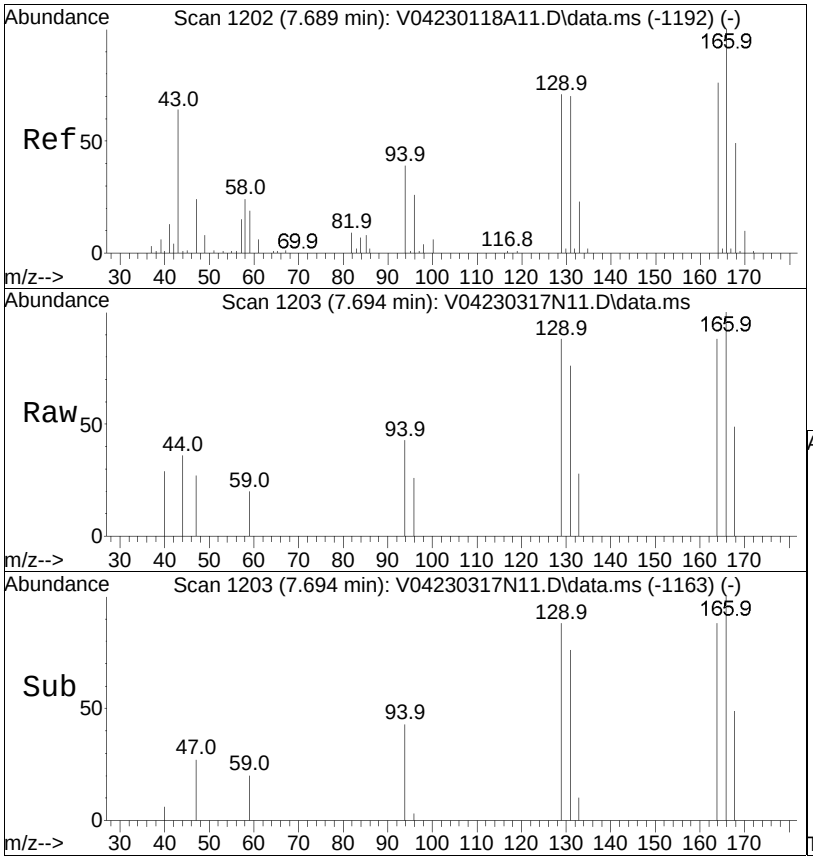


#15
Methylene chloride
Concen: 0.22 ug/L
RT: 3.159 min Scan# 338
Delta R.T. 0.005 min
Lab File: V04230317N11.D
Acq: 17 Mar 2023 7:35 pm

Tgt Ion: 84 Resp: 626

Ion	Ratio	Lower	Upper
84	100		
86	56.4	41.3	85.9
49	155.4	91.0	189.0

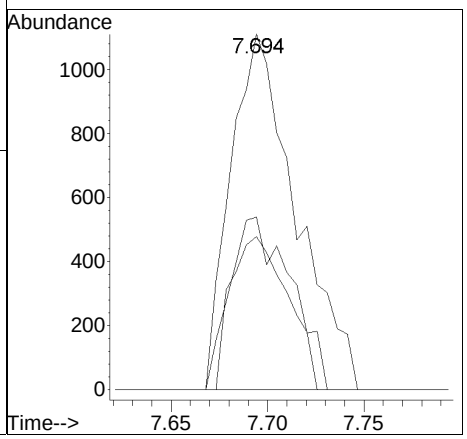




#63
Tetrachloroethene
Concen: 1.21 ug/L
RT: 7.694 min Scan# 1203
Delta R.T. 0.010 min
Lab File: V04230317N11.D
Acq: 17 Mar 2023 7:35 pm

Tgt Ion:166 Resp: 2618

Ion	Ratio	Lower	Upper
166	100		
168	45.5	27.6	67.6
94	37.4	20.9	60.9



Manual Integration Report

Data Path	: I:\VOLATILES\VOA104\2023\2	QMethod	: V104_230118A_8260.m
Data File	: V04230317N11.D	Operator	: VOA104:LAC
Date Inj'd	: 3/17/2023 7:35 pm	Instrument	: VOA104
Sample	: L2313422-01,31,5.93,5,,Y	Quant Date	: 3/18/2023 3:22 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N12.D
Acq On : 17 Mar 2023 8:01 pm
Operator : VOA104:LAC
Sample : L2313422-02,31,6.12,5,,Y
Misc : WG1756211,ICAL19666
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 18 15:32:26 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.539	96	132820	20.000	ug/L	0.00
Standard Area 1 = 175009			Recovery = 75.89%			
59) Chlorobenzene-d5	9.021	117	138997	20.000	ug/L	0.00
Standard Area 1 = 143112			Recovery = 97.12%			
79) 1,4-Dichlorobenzene-d4	11.820	152	86732	20.000	ug/L	0.00
Standard Area 1 = 87180			Recovery = 99.49%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.763	113	49522	21.590	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 107.95%			
43) 1,2-Dichloroethane-d4	5.272	65	43676	23.884	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 119.42%			
60) Toluene-d8	7.196	98	167115	19.976	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.88%			
83) 4-Bromofluorobenzene	10.562	95	78995	21.089	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.44%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.471	85	47	N.D.		
3) Chloromethane	1.633	50	57	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.974	94	389	Below Cal #		4
6) Chloroethane	0.000		0	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	2.666	76	618	0.112	ug/L #	73
15) Methylene chloride	3.159	84	674	0.232	ug/L	95
17) Acetone	0.000		0	N.D. d		
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	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	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N12.D
Acq On : 17 Mar 2023 8:01 pm
Operator : VOA104:LAC
Sample : L2313422-02,31,6.12,5,,Y
Misc : WG1756211,ICAL19666
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 18 15:32:26 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.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	0.000		0	N.D.		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	0.000		0	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	0.000		0	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.694	166	7885	2.881	ug/L	97
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.	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.	d	
73) Chlorobenzene	8.916	112	53	N.D.		
74) Ethylbenzene	9.015	91	220	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	10.730	91	53	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	d	
88) 4-Ethyltoluene	0.000		0	N.D.		
89) 2-Chlorotoluene	10.913	91	57	N.D.		
90) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
91) 1,2,3-Trichloropropane	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.	d	
93) 4-Chlorotoluene	11.165	91	51	N.D.		
94) tert-Butylbenzene	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N12.D
Acq On : 17 Mar 2023 8:01 pm
Operator : VOA104:LAC
Sample : L2313422-02,31,6.12,5,,Y
Misc : WG1756211,ICAL19666
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 18 15:32:26 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	11.474	105	165	N.D.		
98)	sec-Butylbenzene	11.474	105	165	N.D.		
99)	p-Isopropyltoluene	11.679	119	59	N.D.		
100)	1,3-Dichlorobenzene	0.000		0	N.D.		
101)	1,4-Dichlorobenzene	0.000		0	N.D.		
102)	p-Diethylbenzene	12.098	119	298	N.D.		
103)	n-Butylbenzene	12.130	91	66	N.D.		
104)	1,2-Dichlorobenzene	0.000		0	N.D.		
105)	1,2,4,5-Tetramethylben...	12.874	119	821	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	13.734	180	356	N.D.		
110)	Naphthalene	14.012	128	656	N.D.		
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.	d	

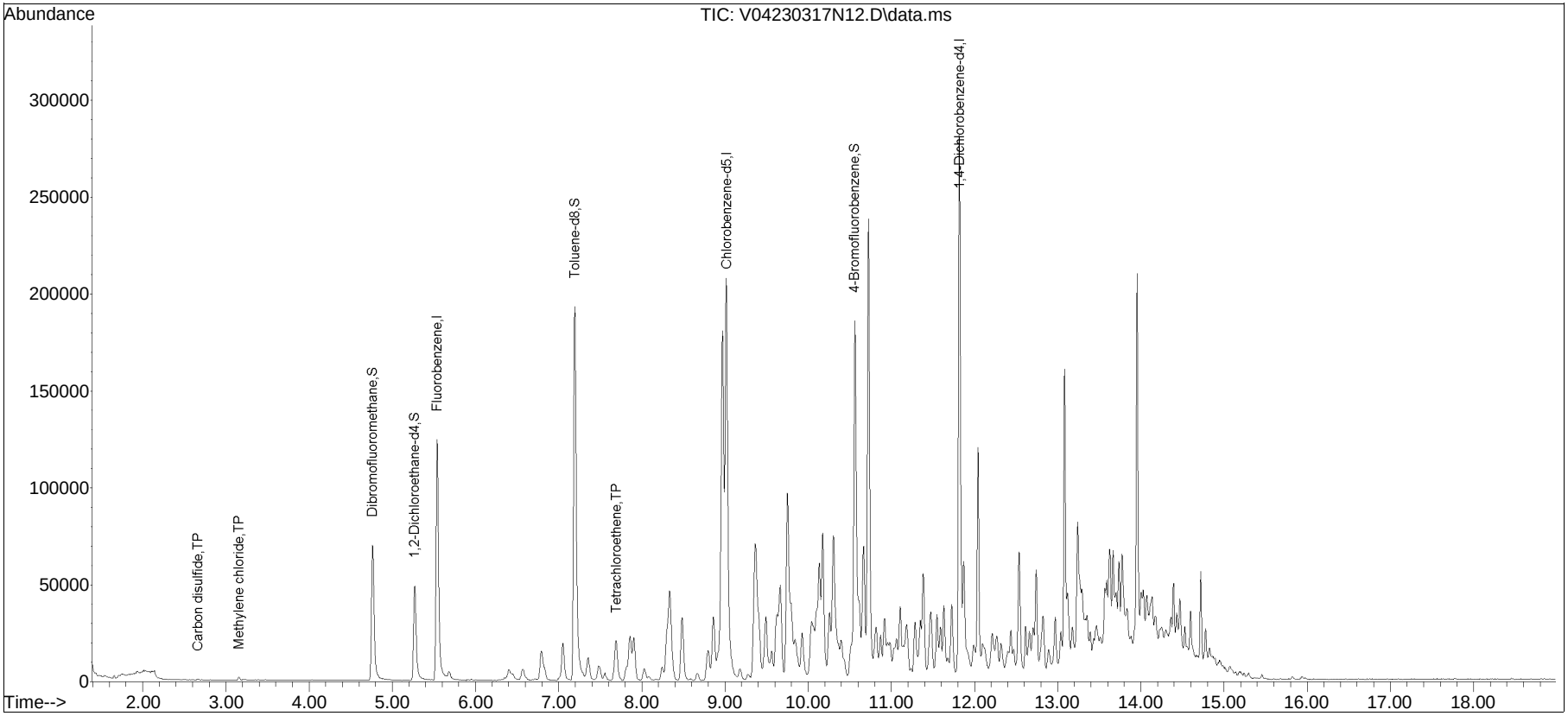
(#) = qualifier out of range (m) = manual integration (+) = signals summed

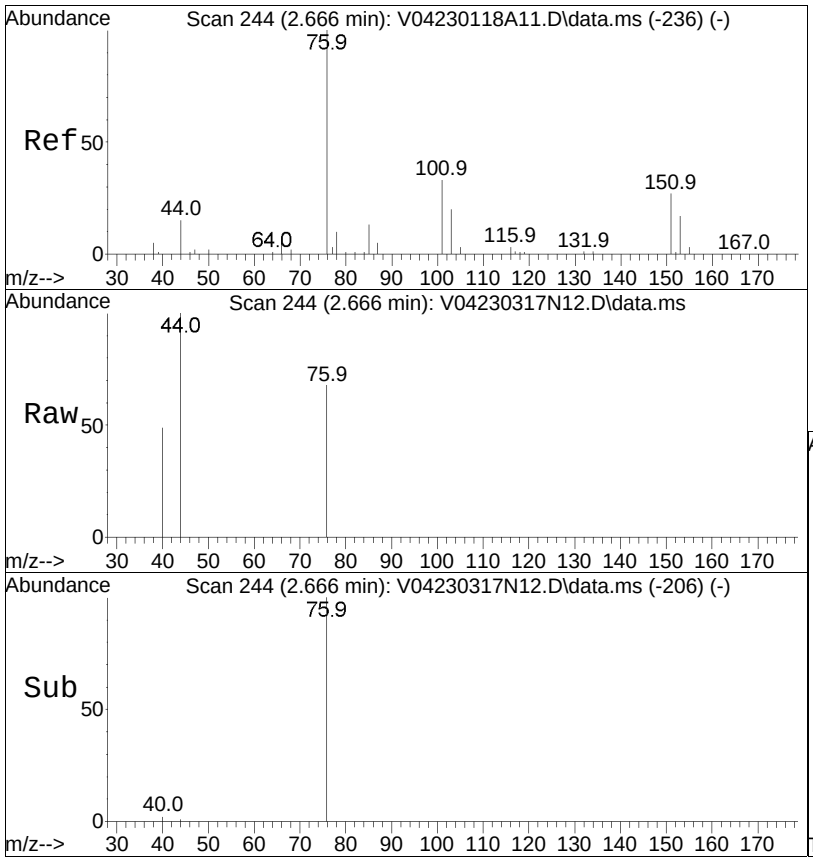
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N12.D
Acq On : 17 Mar 2023 8:01 pm
Operator : VOA104:LAC
Sample : L2313422-02,31,6.12,5,,Y
Misc : WG1756211,ICAL19666
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 18 15:32:26 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox30317N\V04230317N01.D•

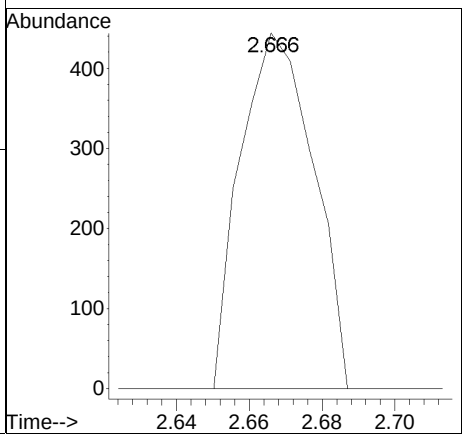


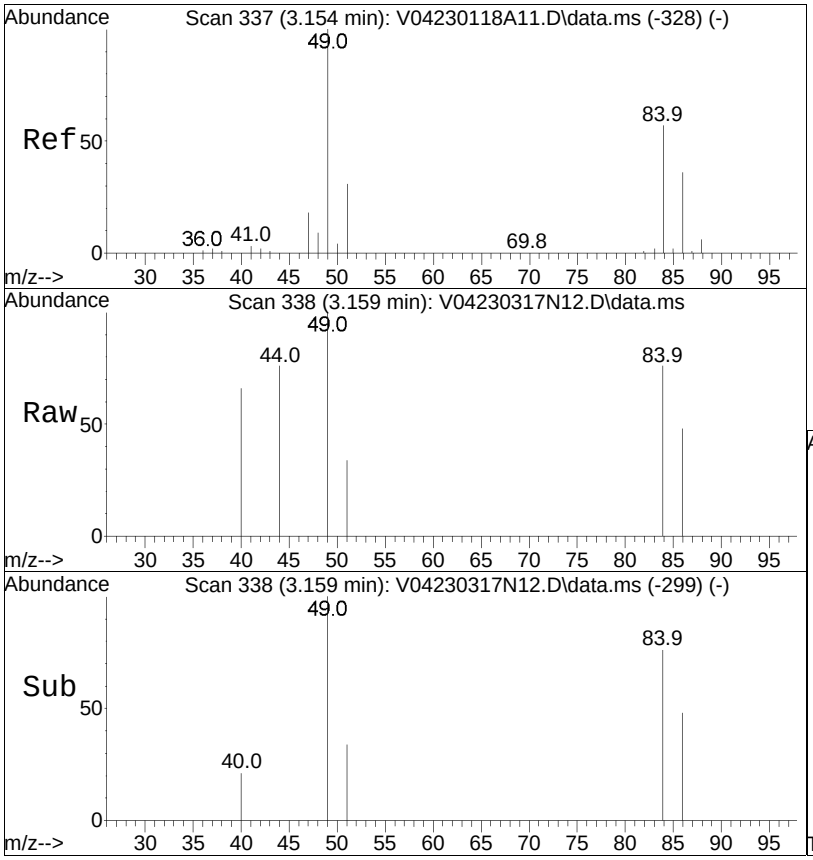


#11
Carbon disulfide
Concen: 0.11 ug/L
RT: 2.666 min Scan# 244
Delta R.T. -0.000 min
Lab File: V04230317N12.D
Acq: 17 Mar 2023 8:01 pm

Tgt Ion: 76 Resp: 618

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.6	13.8#

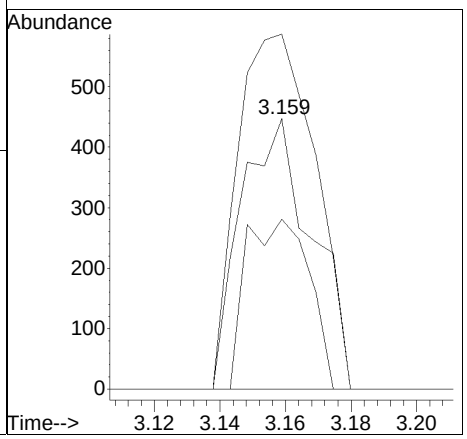


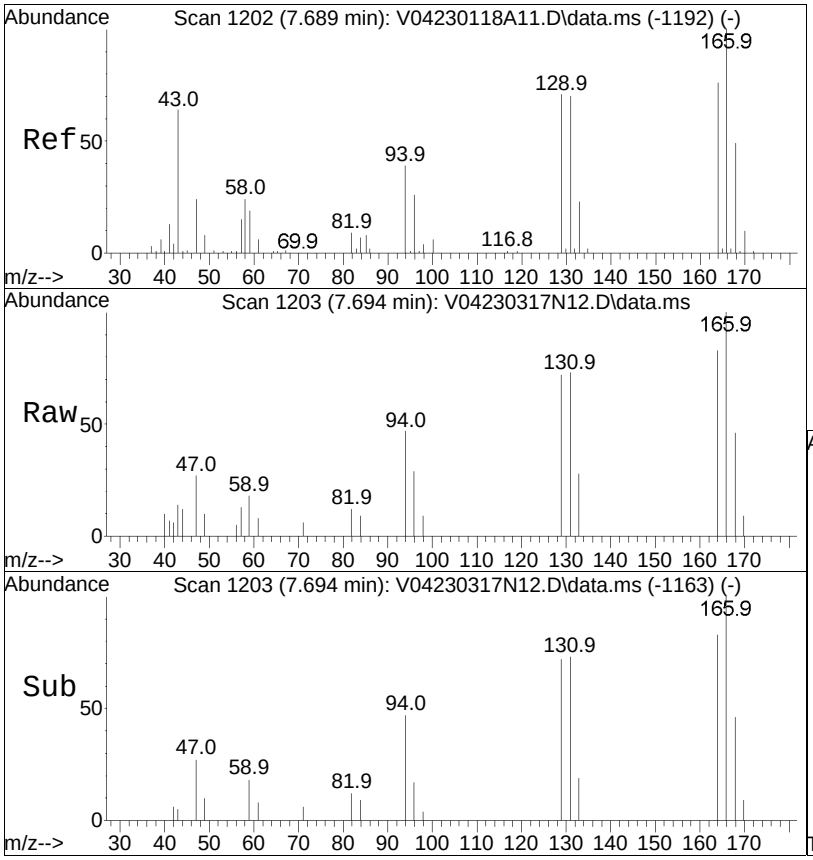


#15
Methylene chloride
Concen: 0.23 ug/L
RT: 3.159 min Scan# 338
Delta R.T. 0.005 min
Lab File: V04230317N12.D
Acq: 17 Mar 2023 8:01 pm

Tgt Ion: 84 Resp: 674

Ion	Ratio	Lower	Upper
84	100		
86	55.9	41.3	85.9
49	143.0	91.0	189.0

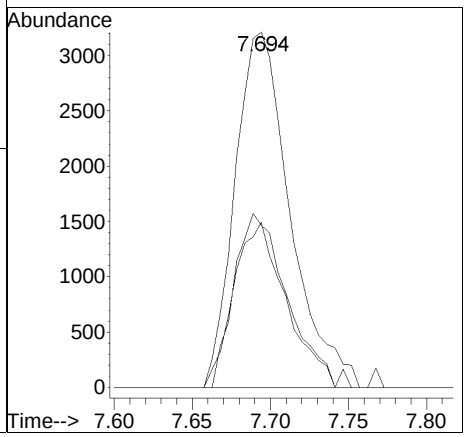




#63
Tetrachloroethene
Concen: 2.88 ug/L
RT: 7.694 min Scan# 1203
Delta R.T. 0.010 min
Lab File: V04230317N12.D
Acq: 17 Mar 2023 8:01 pm

Tgt Ion:166 Resp: 7885

Ion	Ratio	Lower	Upper
166	100		
168	47.5	27.6	67.6
94	44.3	20.9	60.9



Manual Integration Report

Data Path	: I:\VOLATILES\VOA104\2023\2	Method	: V104_230118A_8260.m
Data File	: V04230317N12.D	Operator	: VOA104:LAC
Date Inj'd	: 3/17/2023 8:01 pm	Instrument	: VOA104
Sample	: L2313422-02,31,6.12,5,,Y	Quant Date	: 3/18/2023 3:22 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N13.D
Acq On : 17 Mar 2023 8:27 pm
Operator : VOA104:LAC
Sample : L2313422-03,31,3.86,5,,Y
Misc : WG1756211,ICAL19666
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 18 15:22:17 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.539	96	133687	20.000	ug/L	0.00
Standard Area 1 = 175009			Recovery = 76.39%			
59) Chlorobenzene-d5	9.021	117	132564	20.000	ug/L	0.00
Standard Area 1 = 143112			Recovery = 92.63%			
79) 1,4-Dichlorobenzene-d4	11.820	152	83824	20.000	ug/L	0.00
Standard Area 1 = 87180			Recovery = 96.15%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.763	113	50675	21.949	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 109.75%			
43) 1,2-Dichloroethane-d4	5.272	65	43637	23.708	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 118.54%			
60) Toluene-d8	7.196	98	157672	19.762	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.81%			
83) 4-Bromofluorobenzene	10.562	95	71742	19.817	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.09%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.639	50	52	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.985	94	359	Below Cal #		4
6) Chloroethane	0.000		0	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	2.661	76	701	0.127	ug/L #	73
15) Methylene chloride	3.154	84	739	0.253	ug/L	84
17) Acetone	3.211	43	1383	2.478	ug/L #	53
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	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	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N13.D
Acq On : 17 Mar 2023 8:27 pm
Operator : VOA104:LAC
Sample : L2313422-03,31,3.86,5,,Y
Misc : WG1756211,ICAL19666
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 18 15:22:17 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.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	0.000		0	N.D.		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	0.000		0	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	7.254	92	51	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.689	166	15873	5.735	ug/L	98
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	0.000		0	N.D.		
74) Ethylbenzene	0.000		0	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	0.000		0	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	0.000		0	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	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N13.D
Acq On : 17 Mar 2023 8:27 pm
Operator : VOA104:LAC
Sample : L2313422-03,31,3.86,5,,Y
Misc : WG1756211,ICAL19666
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 18 15:22:17 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.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	0.000		0		N.D.	
101)	1,4-Dichlorobenzene	0.000		0		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	14.033	128	47		N.D.	
111)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

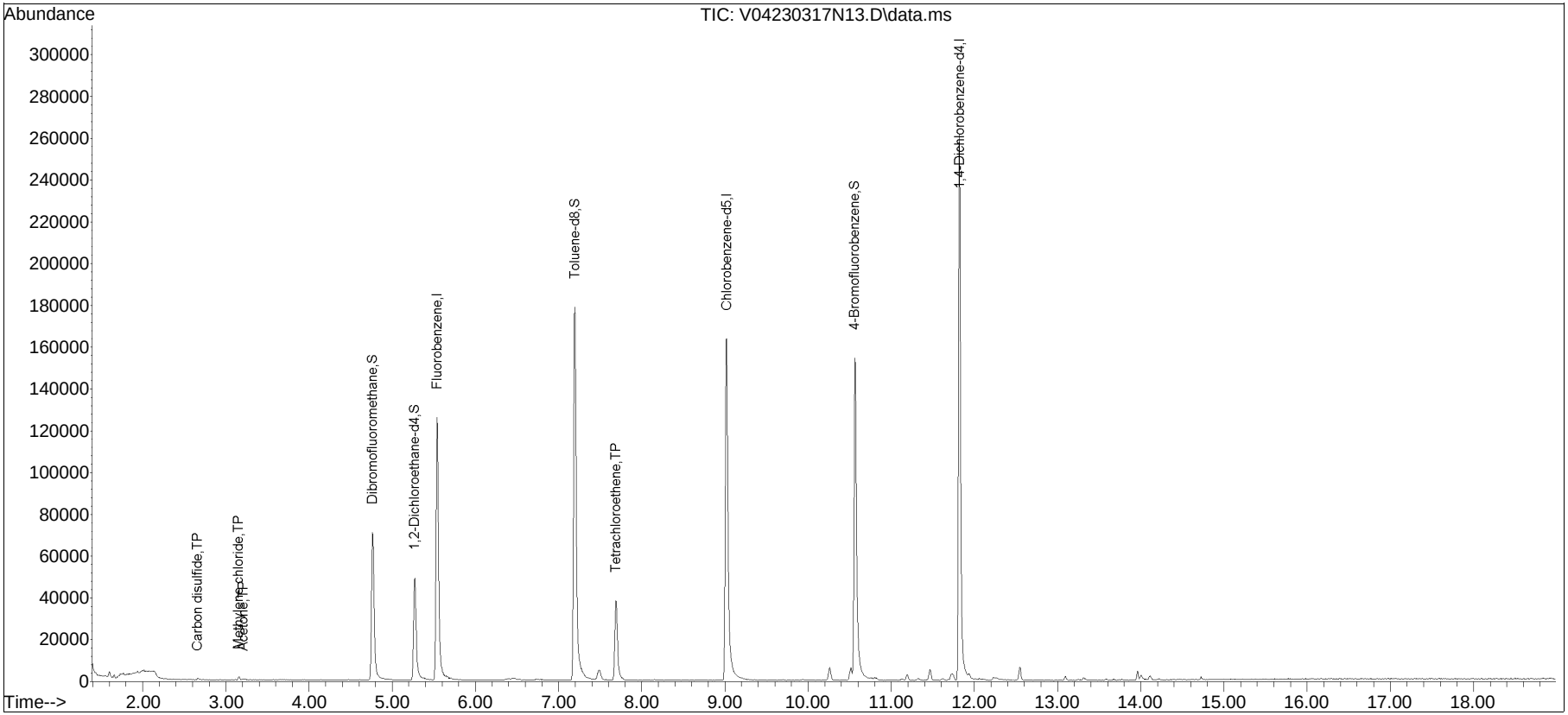
(#) = qualifier out of range (m) = manual integration (+) = signals summed

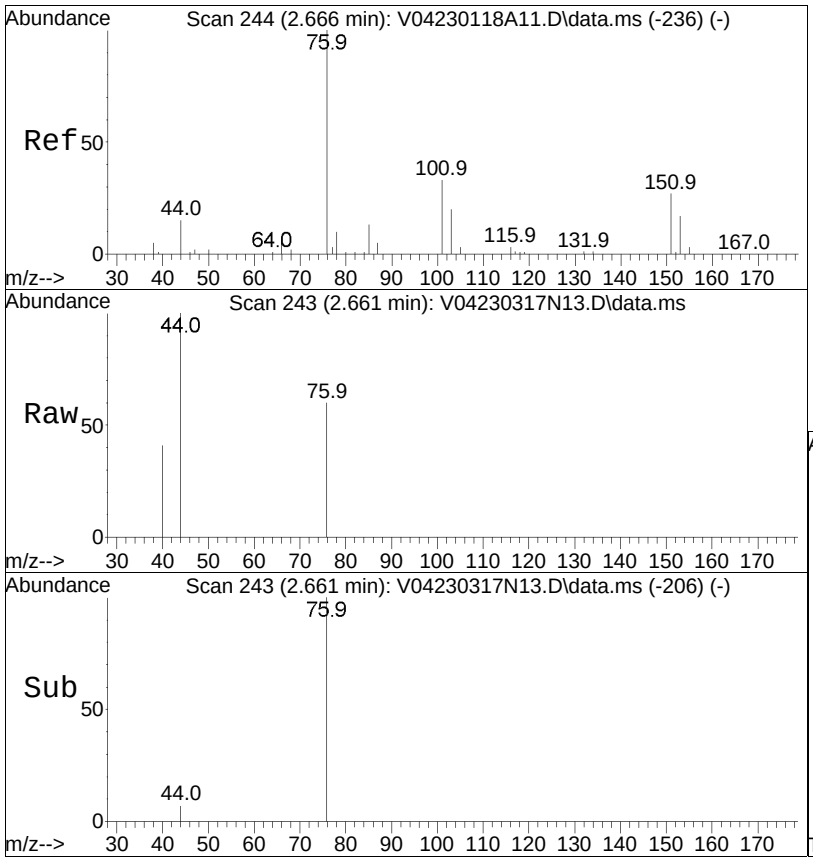
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N13.D
Acq On : 17 Mar 2023 8:27 pm
Operator : VOA104:LAC
Sample : L2313422-03,31,3.86,5,,Y
Misc : WG1756211,ICAL19666
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 18 15:22:17 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox30317N\V04230317N01.D•

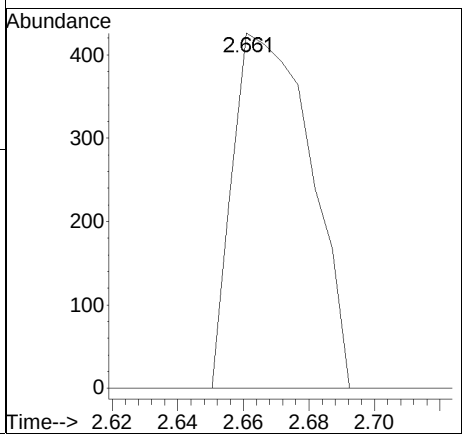


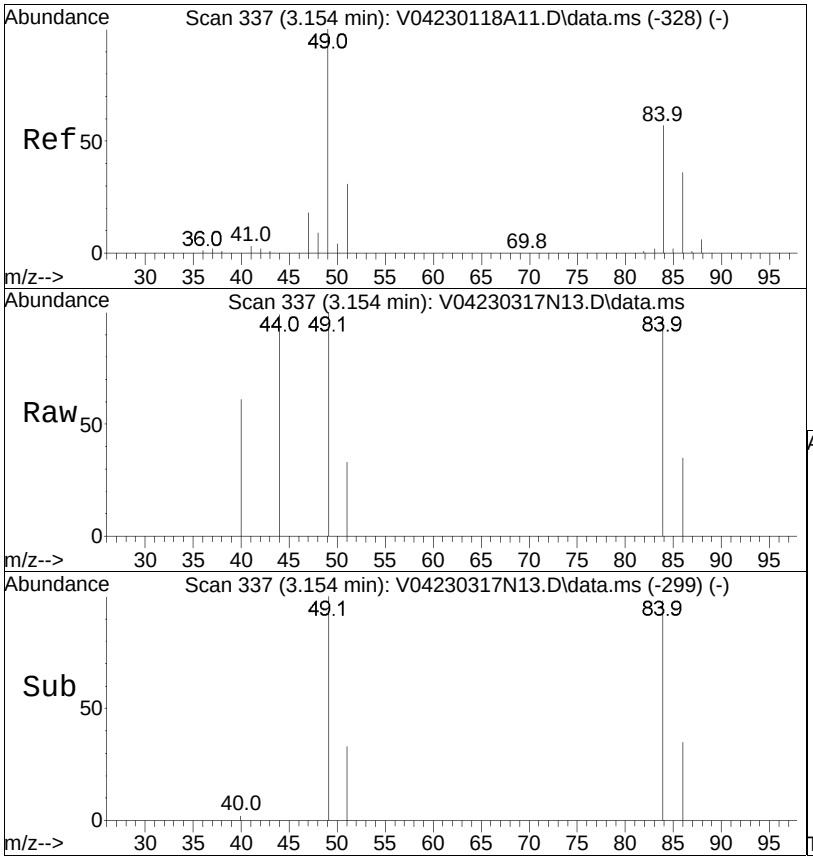


#11
Carbon disulfide
Concen: 0.13 ug/L
RT: 2.661 min Scan# 243
Delta R.T. -0.005 min
Lab File: V04230317N13.D
Acq: 17 Mar 2023 8:27 pm

Tgt Ion: 76 Resp: 701

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.6	13.8#

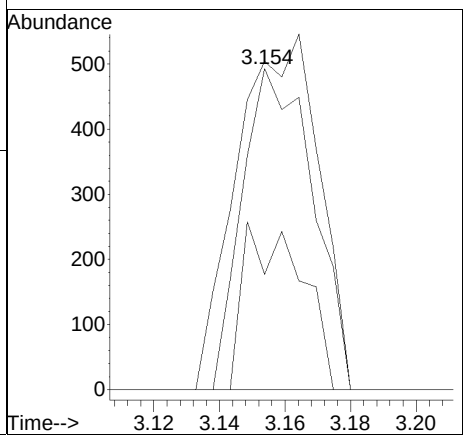


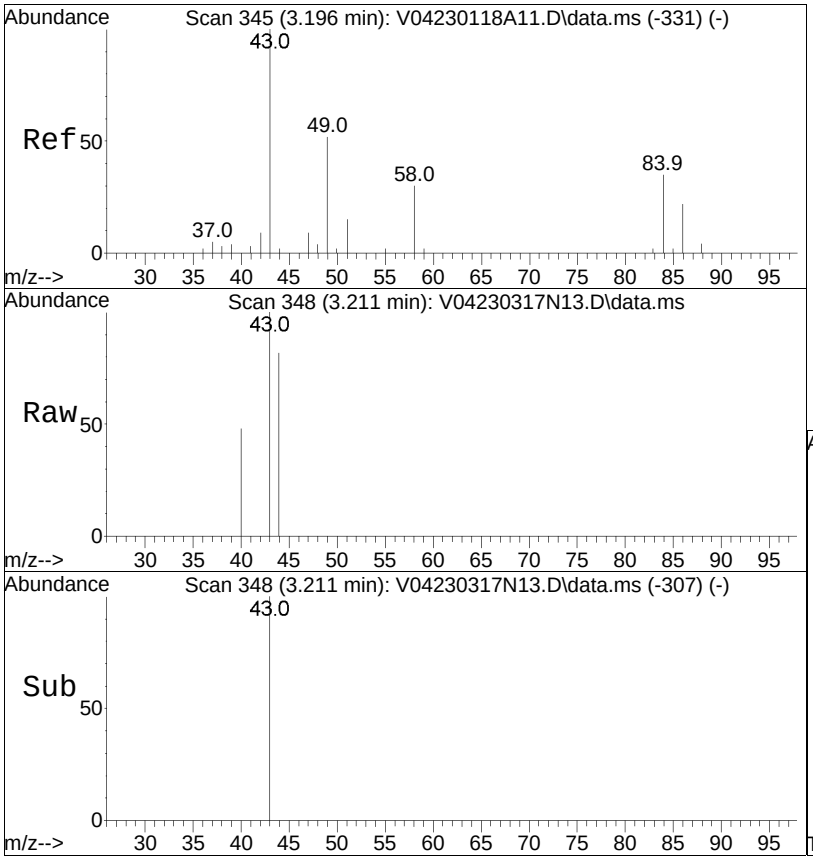


#15
Methylene chloride
Concen: 0.25 ug/L
RT: 3.154 min Scan# 337
Delta R.T. -0.000 min
Lab File: V04230317N13.D
Acq: 17 Mar 2023 8:27 pm

Tgt Ion: 84 Resp: 739

Ion	Ratio	Lower	Upper
84	100		
86	42.8	41.3	85.9
49	127.2	91.0	189.0

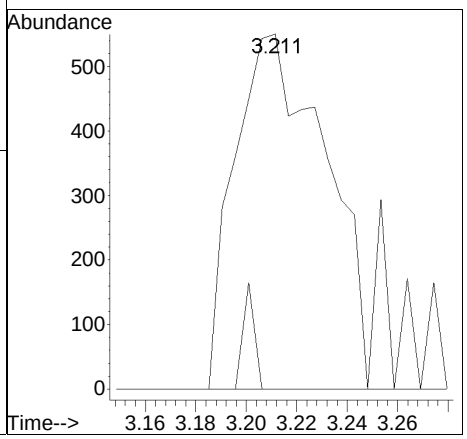


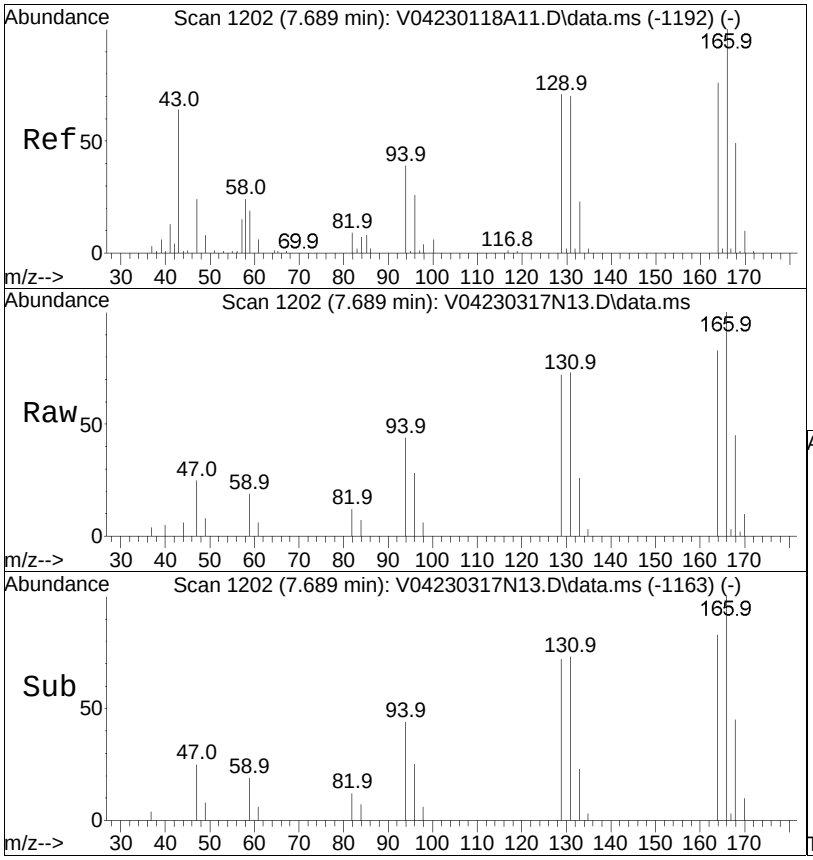


#17
Acetone
Concen: 2.48 ug/L
RT: 3.211 min Scan# 348
Delta R.T. 0.015 min
Lab File: V04230317N13.D
Acq: 17 Mar 2023 8:27 pm

Tgt Ion: 43 Resp: 1383

Ion	Ratio	Lower	Upper
43	100		
58	3.8	23.2	34.8#

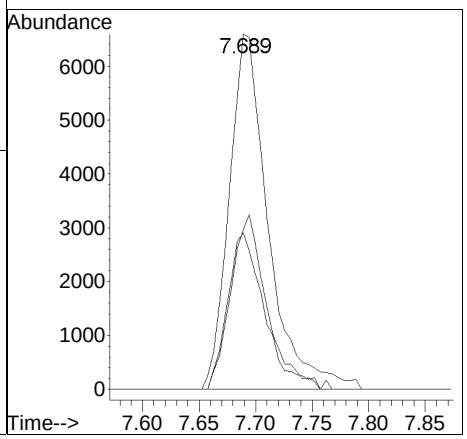




#63
Tetrachloroethene
Concen: 5.74 ug/L
RT: 7.689 min Scan# 1202
Delta R.T. 0.005 min
Lab File: V04230317N13.D
Acq: 17 Mar 2023 8:27 pm

Tgt Ion:166 Resp: 15873

Ion	Ratio	Lower	Upper
166	100		
168	45.7	27.6	67.6
94	41.8	20.9	60.9



Manual Integration Report

Data Path	: I:\VOLATILES\VOA104\2023\2	QMethod	: V104_230118A_8260.m
Data File	: V04230317N13.D	Operator	: VOA104:LAC
Date Inj'd	: 3/17/2023 8:27 pm	Instrument	: VOA104
Sample	: L2313422-03,31,3.86,5,,Y	Quant Date	: 3/18/2023 3:22 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N14.D
Acq On : 17 Mar 2023 8:53 pm
Operator : VOA104:LAC
Sample : L2313422-04,31,5.08,5,,Y
Misc : WG1756211,ICAL19666
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 18 15:33:11 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.539	96	141883	20.000	ug/L	0.00
Standard Area 1 = 175009			Recovery = 81.07%			
59) Chlorobenzene-d5	9.021	117	135880	20.000	ug/L	0.00
Standard Area 1 = 143112			Recovery = 94.95%			
79) 1,4-Dichlorobenzene-d4	11.820	152	83061	20.000	ug/L	0.00
Standard Area 1 = 87180			Recovery = 95.28%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.763	113	51010	20.818	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 104.09%			
43) 1,2-Dichloroethane-d4	5.272	65	45501	23.293	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 116.47%			
60) Toluene-d8	7.196	98	162180	19.831	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.15%			
83) 4-Bromofluorobenzene	10.567	95	72538	20.221	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.11%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.649	50	58	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.990	94	355	Below Cal #		4
6) Chloroethane	0.000		0	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	2.671	76	1380	0.235	ug/L #	73
15) Methylene chloride	3.159	84	627	0.202	ug/L	77
17) Acetone	3.201	43	2752	4.645	ug/L #	75
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	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	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N14.D
Acq On : 17 Mar 2023 8:53 pm
Operator : VOA104:LAC
Sample : L2313422-04,31,5.08,5,,Y
Misc : WG1756211,ICAL19666
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 18 15:33:11 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.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	0.000		0	N.D. d		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	5.136	78	402	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	5.707	95	113	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	7.249	92	421	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	7.689	166	58376	19.557	ug/L	98
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	8.811	43	49	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.015	91	53	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	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	11.008	83	124	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	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D. d		
93) 4-Chlorotoluene	0.000		0	N.D.		
94) tert-Butylbenzene	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N14.D
Acq On : 17 Mar 2023 8:53 pm
Operator : VOA104:LAC
Sample : L2313422-04,31,5.08,5,,Y
Misc : WG1756211,ICAL19666
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 18 15:33:11 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.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	0.000		0		N.D.	
101) 1,4-Dichlorobenzene	0.000		0		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	14.033	128	136		N.D.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

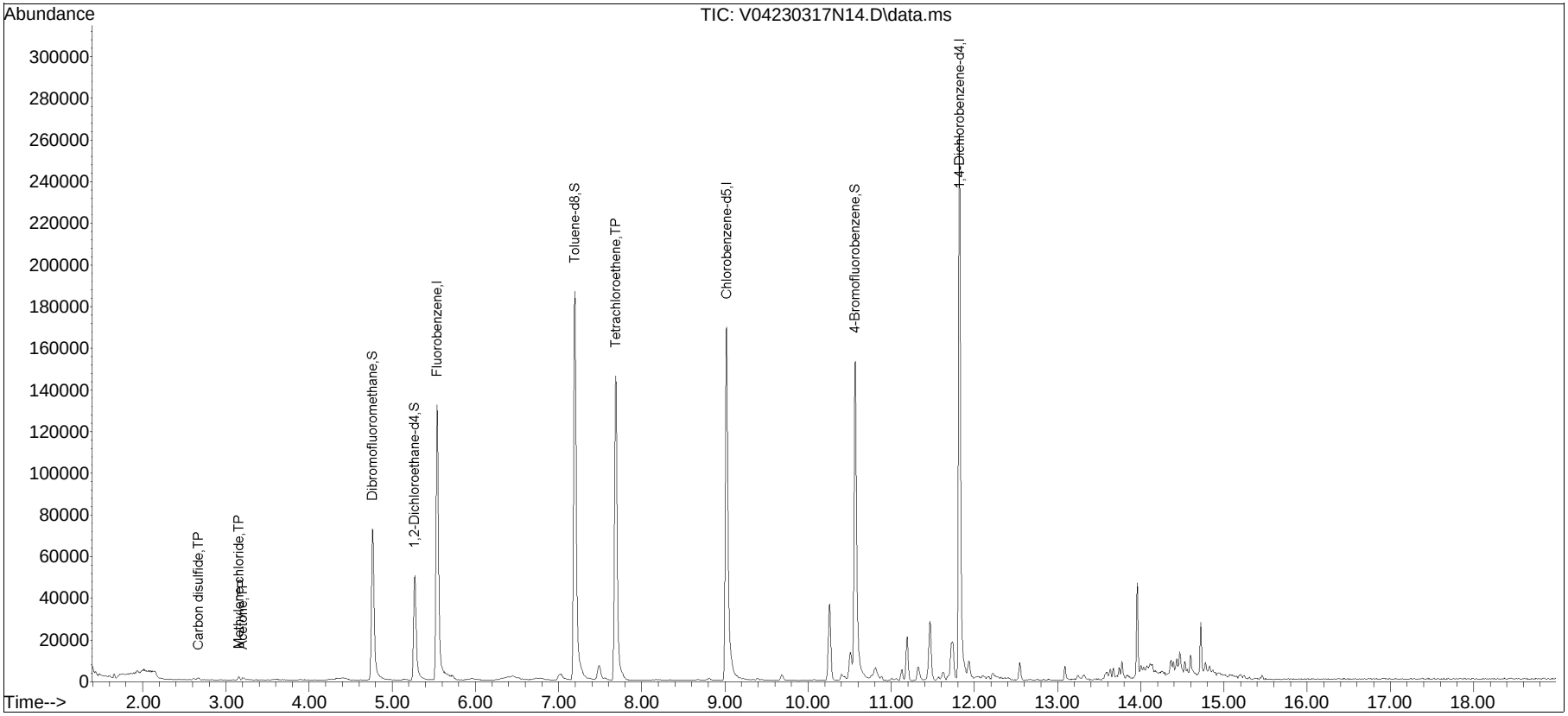
(#) = qualifier out of range (m) = manual integration (+) = signals summed

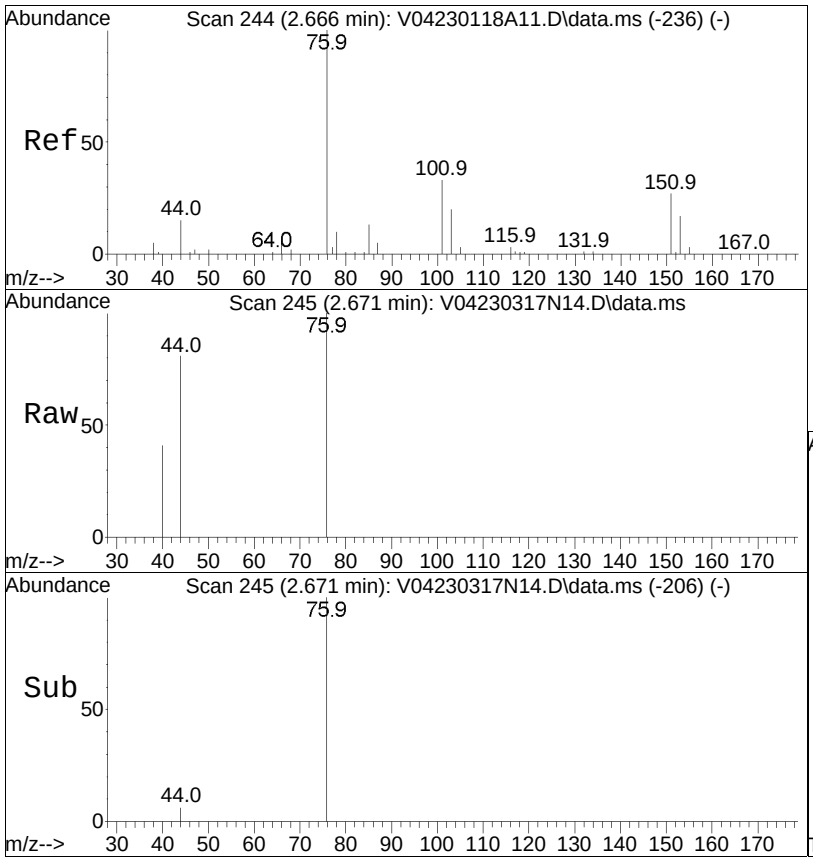
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N14.D
Acq On : 17 Mar 2023 8:53 pm
Operator : VOA104:LAC
Sample : L2313422-04,31,5.08,5,,Y
Misc : WG1756211,ICAL19666
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 18 15:33:11 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox30317N\V04230317N01.D•

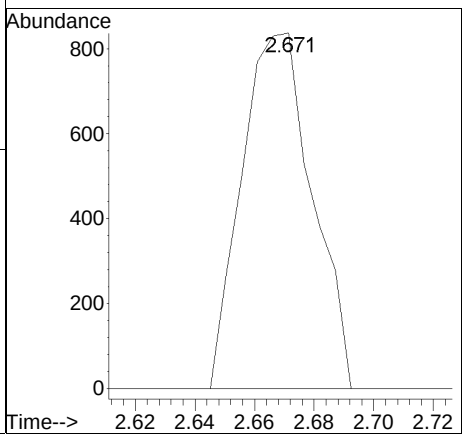


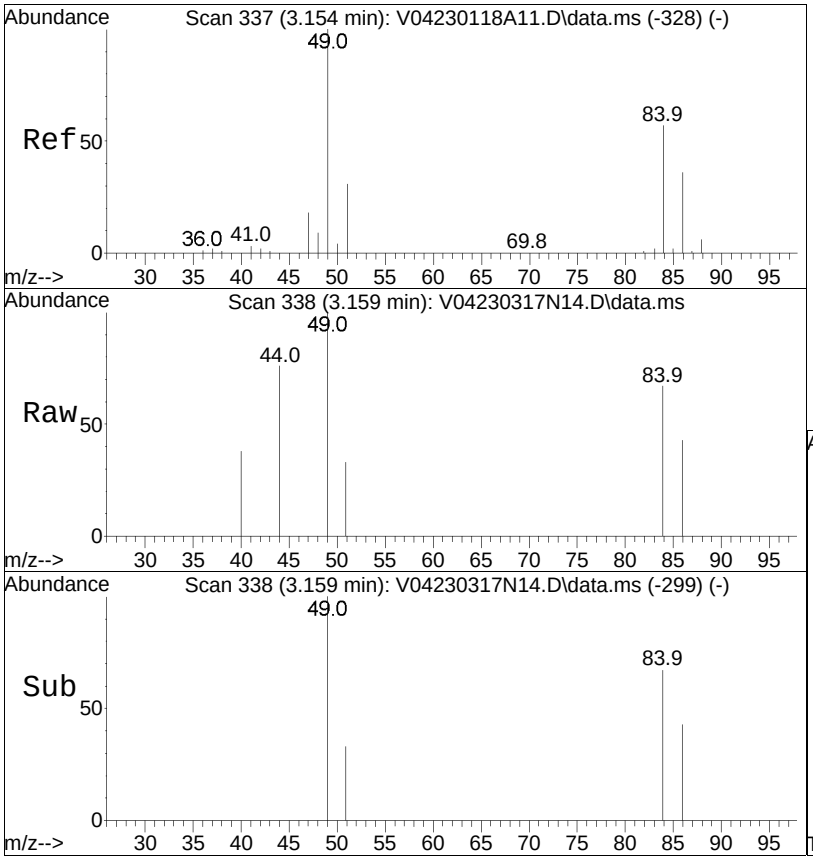


#11
Carbon disulfide
Concen: 0.23 ug/L
RT: 2.671 min Scan# 245
Delta R.T. 0.005 min
Lab File: V04230317N14.D
Acq: 17 Mar 2023 8:53 pm

Tgt Ion: 76 Resp: 1380

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.6	13.8#

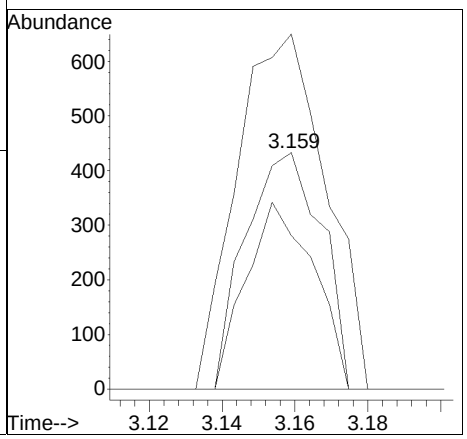


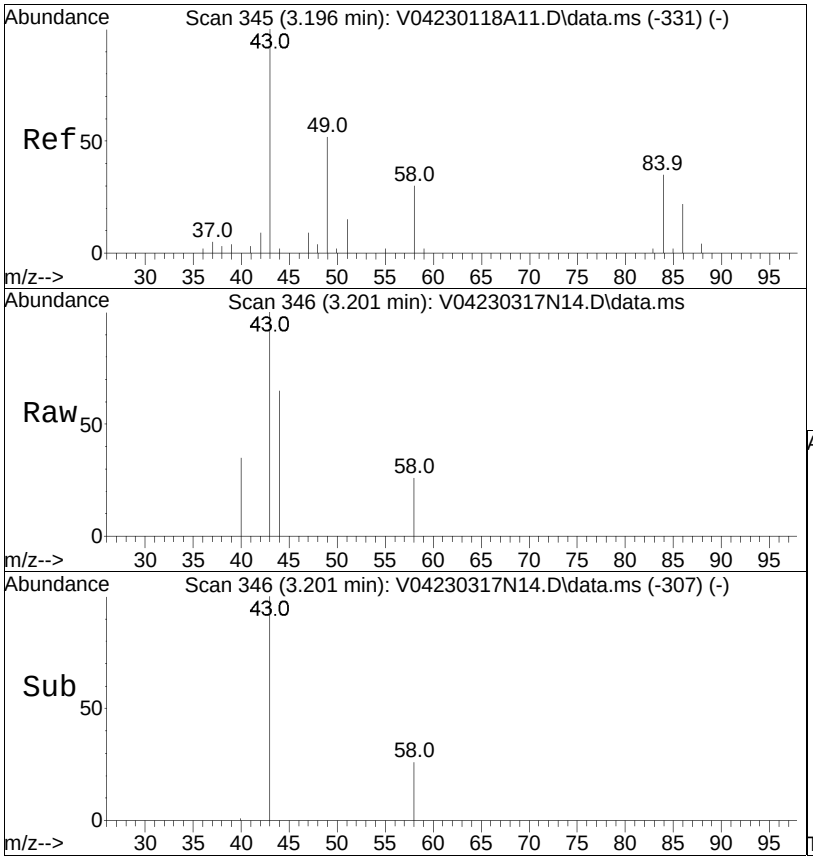


#15
Methylene chloride
Concen: 0.20 ug/L
RT: 3.159 min Scan# 338
Delta R.T. 0.005 min
Lab File: V04230317N14.D
Acq: 17 Mar 2023 8:53 pm

Tgt Ion: 84 Resp: 627

Ion	Ratio	Lower	Upper
84	100		
86	70.3	41.3	85.9
49	176.2	91.0	189.0

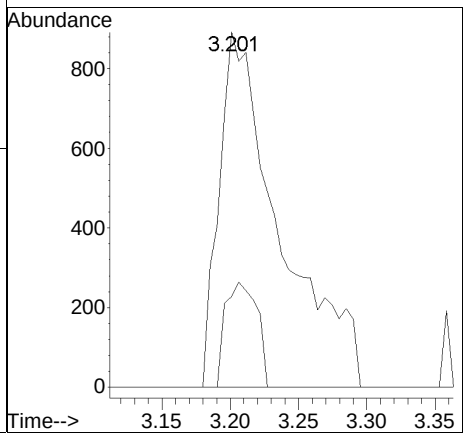


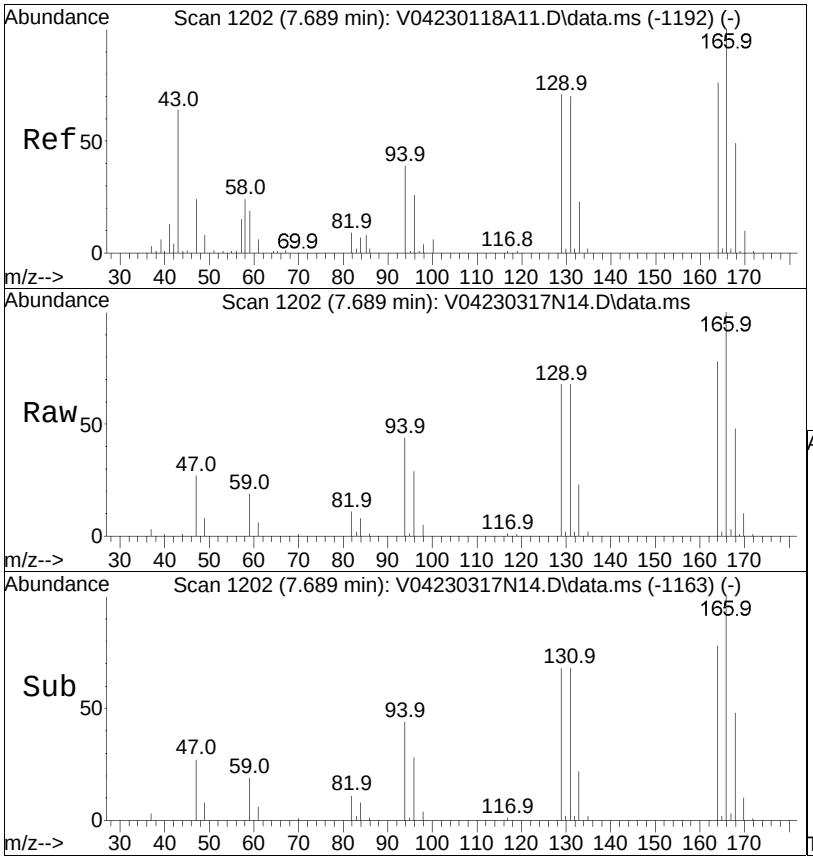


#17
Acetone
Concen: 4.65 ug/L
RT: 3.201 min Scan# 346
Delta R.T. 0.005 min
Lab File: V04230317N14.D
Acq: 17 Mar 2023 8:53 pm

Tgt Ion: 43 Resp: 2752

Ion	Ratio	Lower	Upper
43	100		
58	15.4	23.2	34.8#

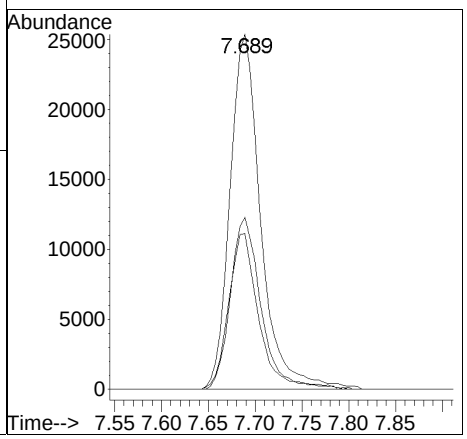




#63
Tetrachloroethene
Concen: 19.56 ug/L
RT: 7.689 min Scan# 1202
Delta R.T. 0.005 min
Lab File: V04230317N14.D
Acq: 17 Mar 2023 8:53 pm

Tgt Ion:166 Resp: 58376

Ion	Ratio	Lower	Upper
166	100		
168	48.2	27.6	67.6
94	42.8	20.9	60.9



Manual Integration Report

Data Path	: I:\VOLATILES\VOA104\2023\2	QMethod	: V104_230118A_8260.m
Data File	: V04230317N14.D	Operator	: VOA104:LAC
Date Inj'd	: 3/17/2023 8:53 pm	Instrument	: VOA104
Sample	: L2313422-04,31,5.08,5,,Y	Quant Date	: 3/18/2023 3:22 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317N06.D
Acq On : 17 Mar 2023 08:59 pm
Operator : VOA122:MKS
Sample : L2313422-05,31,10,10,,A
Misc : WG1756621,ICAL19808
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 20 11:59:36 2023
Quant Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230317N\V22230317N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.292	96	305036	10.000	ug/L	0.00
Standard Area 1 = 370064			Recovery = 82.43%			
62) Chlorobenzene-d5	9.874	117	254280	10.000	ug/L	0.00
Standard Area 1 = 281467			Recovery = 90.34%			
83) 1,4-Dichlorobenzene-d4	12.515	152	120333	10.000	ug/L	0.00
Standard Area 1 = 142023			Recovery = 84.73%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.460	113	98874	10.638	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.38%			
46) 1,2-Dichloroethane-d4	6.004	65	95134	10.250	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.50%			
63) Toluene-d8	8.009	98	332988	9.994	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.94%			
87) 4-Bromofluorobenzene	11.325	95	120124	10.696	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.96%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	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	3.160	76	148	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.746	43	406	Below Cal #		46
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
31) 2,2-Dichloropropane	0.000		0	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
34) Chloroform	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317N06.D
Acq On : 17 Mar 2023 08:59 pm
Operator : VOA122:MKS
Sample : L2313422-05,31,10,10,,A
Misc : WG1756621,ICAL19808
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 20 11:59:36 2023
Quant Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230317N\V22230317N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0		N.D.	
39) 1,1,1-Trichloroethane	0.000		0		N.D.	
41) 2-Butanone	0.000		0		N.D.	
42) 1,1-Dichloropropene	0.000		0		N.D.	
44) Benzene	0.000		0		N.D.	
47) 1,2-Dichloroethane	0.000		0		N.D.	
51) Trichloroethene	6.432	95	224		N.D.	
53) Dibromomethane	0.000		0		N.D.	
54) 1,2-Dichloropropane	0.000		0		N.D.	
57) Bromodichloromethane	0.000		0		N.D.	
60) 1,4-Dioxane	0.000		0		N.D.	
61) cis-1,3-Dichloropropene	0.000		0		N.D.	
64) Toluene	0.000		0		N.D.	
65) 4-Methyl-2-pentanone	0.000		0		N.D.	
66) Tetrachloroethene	0.000		0		N.D.	
68) trans-1,3-Dichloropropene	0.000		0		N.D.	
71) 1,1,2-Trichloroethane	0.000		0		N.D.	
72) Chlorodibromomethane	0.000		0		N.D.	
73) 1,3-Dichloropropane	0.000		0		N.D.	
74) 1,2-Dibromoethane	0.000		0		N.D.	
76) 2-Hexanone	0.000		0		N.D.	
77) Chlorobenzene	0.000		0		N.D.	
78) Ethylbenzene	9.874	91	323		N.D.	
79) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
80) p/m Xylene	0.000		0		N.D.	
81) o Xylene	0.000		0		N.D.	
82) Styrene	0.000		0		N.D.	
84) Bromoform	0.000		0		N.D.	
86) Isopropylbenzene	0.000		0		N.D.	
88) Bromobenzene	0.000		0		N.D.	
89) n-Propylbenzene	11.325	91	436		N.D.	
91) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
92) 4-Ethyltoluene	0.000		0		N.D.	
93) 2-Chlorotoluene	0.000		0		N.D.	
94) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
95) 1,2,3-Trichloropropane	0.000		0		N.D.	
96) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
97) 4-Chlorotoluene	0.000		0		N.D.	
98) tert-Butylbenzene	0.000		0		N.D.	

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317N06.D
Acq On : 17 Mar 2023 08:59 pm
Operator : VOA122:MKS
Sample : L2313422-05,31,10,10,,A
Misc : WG1756621,ICAL19808
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 20 11:59:36 2023
Quant Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230317N\V22230317N01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101)	1,2,4-Trimethylbenzene	0.000		0		N.D.	
102)	sec-Butylbenzene	0.000		0		N.D.	
103)	p-Isopropyltoluene	0.000		0		N.D.	
104)	1,3-Dichlorobenzene	0.000		0		N.D.	
105)	1,4-Dichlorobenzene	0.000		0		N.D.	
106)	p-Diethylbenzene	0.000		0		N.D.	
107)	n-Butylbenzene	0.000		0		N.D.	
108)	1,2-Dichlorobenzene	0.000		0		N.D.	
109)	1,2,4,5-Tetramethylben...	0.000		0		N.D.	
110)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
112)	Hexachlorobutadiene	0.000		0		N.D.	
113)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
114)	Naphthalene	14.631	128	66		N.D.	
115)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

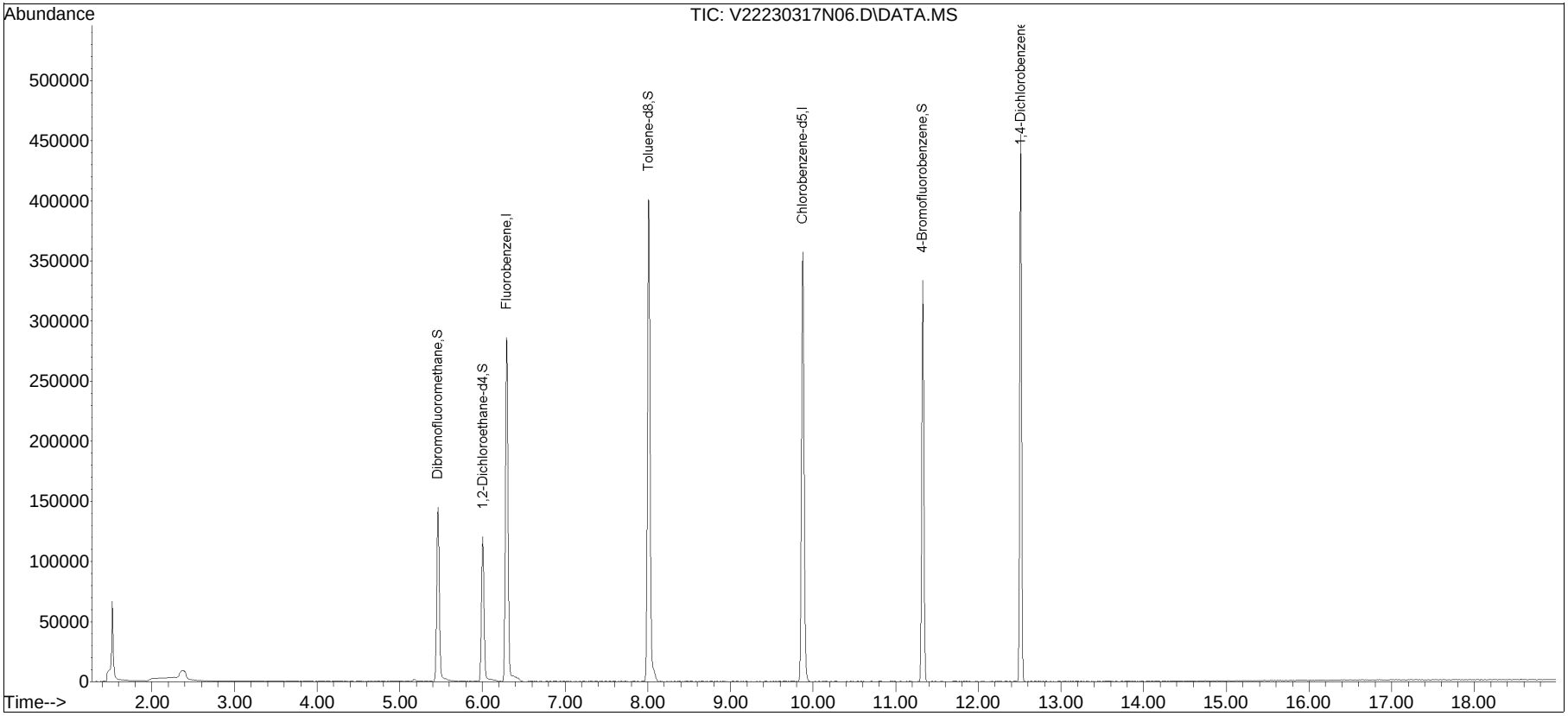
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317N06.D
Acq On : 17 Mar 2023 08:59 pm
Operator : VOA122:MKS
Sample : L2313422-05,31,10,10,,A
Misc : WG1756621,ICAL19808
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 20 11:59:36 2023
Quant Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox30317N\V22230317N01.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2023\2Q	Method	: V122_230313A_8260.m
Data File	: V22230317N06.D	Operator	: VOA122:MKS
Date Inj'd	: 3/17/2023 8:59 pm	Instrument	: VOA122
Sample	: L2313422-05,31,10,10,,A	Quant Date	: 3/20/2023 12:00 pm

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

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2313422**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA104**	**Ical Ref**	**: ICAL19666**
Calibration dates	**: 01/18/23 11:44 01/18/23 16:30**		

Calibration Files

0.5 =V04230118A03.D 1.0 =V04230118A06.D 2.0 =V04230118A07.D 4.0 =V04230118A09.D 20 =V04230118A10.D

40 =V04230118A11.D 100 =V04230118A12.D 200 =V04230118A13.D 300 =V04230118A14.D

		Compound	0.5	1.0	2.0	4.0	20	40	100	200	300	Avg	%RSD
1)	I	Fluorobenzene	ISTD										
2)	TP	Dichlorodifluo		0.410	0.545	0.503	0.323	0.359	0.471	0.490	0.494	0.449	17.21
3)	TP	Chloromethane		0.879	1.100	0.887	0.685	0.699	0.795	0.787	0.801	0.829	15.82
4)	TC	Vinyl chloride		0.540	0.743	0.634	0.456	0.480	0.587	0.597	0.589	0.578	15.61
5)	TP	Bromomethane			0.443	0.352	0.261	0.264	0.288	0.287	0.284	*L	0.9989
6)	TP	Chloroethane			0.378	0.309	0.232	0.230	0.260	0.228		*L	0.9958
7)	TP	Trichlorofluor		0.548	0.781	0.674	0.465	0.504	0.650	0.658	0.648	0.616	16.75
8)	TP	Ethyl ether		0.129	0.146	0.126	0.117	0.123	0.138	0.142	0.144	0.133	8.17
10)	TC	1,1-Dichloroet		0.352	0.503	0.435	0.308	0.326	0.400	0.401	0.401	0.391	15.98
11)	TP	Carbon disulfide				1.057	0.713	0.726	0.849	0.821	0.805	0.828	14.99
12)	TP	Freon-113		0.363	0.465	0.453	0.284	0.314	0.428	0.436	0.429	0.396	17.06
14)	TP	Acrolein					0.036	0.039	0.045	0.048	0.051	0.044	14.17
15)	TP	Methylene chlo				0.526	0.417	0.422	0.433	0.414	0.413	0.437	10.11
17)	TP	Acetone				0.109	0.064	0.077	0.082	0.086	0.083	0.084	17.68
18)	TP	trans-1,2-Dich		0.349	0.509	0.439	0.345	0.365	0.413	0.407	0.407	0.404	13.32
19)	TP	Methyl acetate				0.134	0.141	0.159	0.181	0.192	0.198	0.168	16.02
20)	TP	Methyl tert butyl ether		0.530	0.591	0.574	0.531	0.602	0.674	0.698	0.701	0.613	11.49
21)	TP	tert-Butyl alc		0.027	0.030	0.030	0.026	0.027	0.029	0.031	0.031	0.029	6.85
22)	TP	Diisopropyl ether		1.061	1.225	1.148	1.076	1.254	1.451	1.473	1.444	1.266	13.44
23)	TP	1,1-Dichloroet		0.917	1.141	0.936	0.777	0.785	0.854	0.836	0.830	0.885	13.32
24)	TP	Halothane		0.263	0.383	0.324	0.244	0.258	0.313	0.323	0.324	0.304	15.14
25)	TP	Acrylonitrile				0.072	0.080	0.087	0.095	0.098	0.101	0.089	12.77
26)	TP	Ethyl tert-but		0.835	0.920	0.891	0.851	0.996	1.164	1.197	1.187	1.005	15.41
27)	TP	Vinyl acetate				0.436	0.493	0.592	0.673	0.692	0.736	0.603	19.67
28)	TP	cis-1,2-Dichlo		0.466	0.546	0.461	0.385	0.415	0.425	0.419	0.419	0.442	11.20
29)	TP	2,2-Dichloropr		0.574	0.763	0.643	0.478	0.502	0.615	0.617	0.602	0.599	14.68
30)	TP	Bromochloromet		0.213	0.240	0.211	0.185	0.185	0.189	0.179	0.176	0.197	11.17
31)	TP	Cyclohexane		0.713	1.013	0.931	0.605	0.659	0.900	0.916	0.906	0.830	17.95
32)	TC	Chloroform		0.779	0.897	0.772	0.637	0.643	0.670	0.661	0.658	0.715	12.93
33)	TP	Ethyl acetate				0.190	0.192	0.230	0.267	0.284	0.294	0.243	18.75
34)	TP	Carbon tetrach		0.419	0.609	0.543	0.382	0.412	0.533	0.557	0.564	0.502	16.88
35)	TP	Tetrahydrofuran			0.102	0.099	0.090	0.085	0.085	0.089	0.089	0.091	7.01
36)	S	Dibromofluoromethane	0.401	0.396	0.398	0.371	0.344	0.318	0.300	0.290	0.290	0.345	13.74
37)	TP	1,1,1-Trichloroethane	0.520	0.517	0.705	0.621	0.453	0.484	0.576	0.590	0.592	0.562	13.75
39)	TP	2-Butanone				0.055	0.083	0.088	0.115	0.129	0.131	*Q	0.9979
40)	TP	1,1-Dichloropropene	0.305	0.330	0.484	0.452	0.355	0.401	0.520	0.538	0.539	*Q	0.9965

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2313422**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA104**	**Ical Ref**	**: ICAL19666**
Calibration dates	**: 01/18/23 11:44 01/18/23 16:30**		

Calibration Files

0.5 =V04230118A03.D 1.0 =V04230118A06.D 2.0 =V04230118A07.D 4.0 =V04230118A09.D 20 =V04230118A10.D

40 =V04230118A11.D 100 =V04230118A12.D 200 =V04230118A13.D 300 =V04230118A14.D

	Compound	0.5	1.0	2.0	4.0	20	40	100	200	300	Avg	%RSD
41) TP	Benzene	1.229	1.153	1.517	1.286	1.156	1.261	1.461	1.459	1.461	1.332	10.76
42) TP	Tertiary-Amyl Methyl Ether		0.632	0.710	0.647	0.592	0.669	0.779	0.817	0.818	0.708	12.35
43) S	1,2-Dichloroethane-d4	0.306	0.313	0.313	0.302	0.263	0.248	0.241	0.247	0.246	0.275	11.64
44) TP	1,2-Dichloroet		0.519	0.557	0.491	0.408	0.435	0.459	0.463	0.467	0.475	9.94
47) TP	Methyl cyclohe		0.424	0.617	0.562	0.395	0.462	0.690	0.724	0.731	*Q	0.9935
48) TP	Trichloroethene	0.273	0.294	0.393	0.360	0.303	0.332	0.412	0.414	0.411	0.355	15.75
50) TP	Dibromomethane		0.200	0.220	0.215	0.189	0.193	0.209	0.213	0.216	0.207	5.59
51) TC	1,2-Dichloropr		0.342	0.428	0.401	0.373	0.402	0.453	0.460	0.461	0.415	10.49
53) TP	2-Chloroethyl					0.131	0.162	0.192	0.208	0.214	0.181	19.09
54) TP	Bromodichloromethane	0.441	0.501	0.579	0.507	0.436	0.467	0.502	0.512	0.514	0.495	8.77
57) TP	1,4-Dioxane		0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003#	19.16
58) TP	cis-1,3-Dichloropropene	0.334	0.406	0.521	0.487	0.466	0.530	0.597	0.616	0.621	0.509	19.17
59) I	Chlorobenzene-d5	----------ISTD----------										
60) S	Toluene-d8	1.151	1.160	1.169	1.202	1.211	1.232	1.234	1.246	1.229	1.204	2.94
61) TC	Toluene		0.790	0.999	0.906	0.788	0.883	1.062	1.081	1.078	0.948	13.02
62) TP	4-Methyl-2-pen				0.080	0.087	0.103	0.120	0.128	0.129	0.108	19.53
63) TP	Tetrachloroethene	0.253	0.296	0.430	0.416	0.328	0.380	0.518	0.545	0.547	*Q	0.9956
65) TP	trans-1,3-Dich		0.303	0.391	0.391	0.410	0.503	0.592	0.615	0.619	*Q	0.9978
67) TP	Ethyl methacry			0.261	0.299	0.288	0.326	0.365	0.370	0.366	0.325	13.44
68) TP	1,1,2-Trichlor		0.162	0.201	0.212	0.203	0.241	0.277	0.287	0.289	*Q	0.9984
69) TP	Chlorodibromomethane		0.275	0.331	0.319	0.313	0.366	0.432	0.454	0.465	0.369	19.48
70) TP	1,3-Dichloropr		0.376	0.420	0.424	0.407	0.481	0.556	0.582	0.586	0.479	17.71
71) TP	1,2-Dibromoethane	0.106	0.174	0.240	0.241	0.240	0.288	0.335	0.353	0.360	*Q	0.9983
72) TP	2-Hexanone				0.192	0.172	0.202	0.237	0.249	0.252	0.217	15.31
73) TP	Chlorobenzene	0.949	1.038	1.230	1.111	0.969	1.070	1.235	1.246	1.251	1.122	10.89
74) TC	Ethylbenzene		1.657	2.150	1.937	1.583	1.701	2.048	2.038	2.033	1.893	11.32
75) TP	1,1,1,2-Tetrachloroethane	0.264	0.299	0.371	0.329	0.310	0.364	0.432	0.448	0.451	0.363	18.90
76) TP	p/m Xylene	0.609	0.669	0.858	0.779	0.620	0.668	0.771	0.753	0.738	0.718	11.48
77) TP	o Xylene	0.637	0.655	0.795	0.735	0.606	0.645	0.723	0.708	0.702	0.690	8.56
78) TP	Styrene	1.047	1.027	1.258	1.162	0.971	1.048	1.137	1.104	1.091	1.094	7.75
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------										
80) TP	Bromoform		0.282	0.335	0.327	0.330	0.391	0.449	0.473	0.486	*Q	0.9986
82) TP	Isopropylbenzene		2.571	3.346	3.084	2.513	2.826	3.608	3.677	3.729	3.169	15.59
83) S	4-Bromofluorobenzene	0.838	0.840	0.855	0.861	0.863	0.876	0.874	0.884	0.881	0.864	1.94
84) TP	Bromobenzene		0.731	0.841	0.767	0.721	0.825	0.950	0.970	0.984	0.848	12.65
85) TP	n-Propylbenzene		3.275	4.179	3.811	3.120	3.476	4.397	4.431	4.466	3.894	14.11

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2313422**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA104**	**Ical Ref**	**: ICAL19666**
Calibration dates	**: 01/18/23 11:44 01/18/23 16:30**		

Calibration Files

0.5 =V04230118A03.D 1.0 =V04230118A06.D 2.0 =V04230118A07.D 4.0 =V04230118A09.D 20 =V04230118A10.D

40 =V04230118A11.D 100 =V04230118A12.D 200 =V04230118A13.D 300 =V04230118A14.D

	Compound	0.5	1.0	2.0	4.0	20	40	100	200	300	Avg	%RSD
86) TP	1,4-Dichlorobu		0.918	0.963	0.901	0.862	0.976	1.078	1.110	1.113	0.990	9.94
87) TP	1,1,2,2-Tetrachloroethane	0.538	0.589	0.620	0.595	0.557	0.640	0.701	0.726	0.748	0.635	11.80
88) TP	4-Ethyltoluene		2.699	3.368	3.045	2.641	2.921	3.617	3.624	3.664	3.197	13.28
89) TP	2-Chlorotoluene		2.128	2.515	2.256	1.928	2.122	2.482	2.485	2.517	2.304	9.87
90) TP	1,3,5-Trimethy		2.371	2.912	2.548	2.189	2.450	3.051	3.076	3.102	2.712	13.40
91) TP	1,2,3-Trichlor		0.436	0.480	0.425	0.395	0.442	0.501	0.515	0.523	0.465	10.06
92) TP	trans-1,4-Dich			0.166	0.162	0.174	0.200	0.207	0.224	0.232	0.195	14.31
93) TP	4-Chlorotoluene		2.171	2.405	2.170	2.038	2.212	2.593	2.619	2.663	2.359	10.29
94) TP	tert-Butylbenzene		1.995	2.550	2.277	1.843	2.076	2.675	2.747	2.783	2.368	15.56
97) TP	1,2,4-Trimethy		2.271	2.740	2.495	2.225	2.486	3.039	3.082	3.114	2.681	13.59
98) TP	sec-Butylbenzene		2.995	3.929	3.566	2.772	3.073	4.078	4.142	4.168	3.591	15.90
99) TP	p-Isopropyltol		2.508	3.241	2.931	2.461	2.700	3.547	3.586	3.605	3.072	15.81
100) TP	1,3-Dichlorobe		1.462	1.705	1.510	1.418	1.563	1.813	1.828	1.840	1.642	10.63
101) TP	1,4-Dichlorobe		1.646	1.795	1.644	1.444	1.556	1.818	1.839	1.856	1.700	8.87
102) TP	p-Diethylbenzene		1.510	1.956	1.746	1.506	1.650	2.180	2.215	2.244	1.876	16.71
103) TP	n-Butylbenzene		2.256	2.836	2.654	2.192	2.405	3.210	3.234	3.247	2.754	16.14
104) TP	1,2-Dichlorobe		1.366	1.568	1.441	1.329	1.464	1.679	1.701	1.715	1.533	10.07
105) TP	1,2,4,5-Tetram		2.464	2.894	2.618	2.446	2.728	3.408	3.401	3.418	2.922	14.63
106) TP	1,2-Dibromo-3-		0.086	0.094	0.100	0.093	0.106	0.128	0.134	0.138	0.110	18.57
107) TP	1,3,5-Trichlor		1.091	1.305	1.161	1.091	1.188	1.481	1.463	1.473	1.282	13.38
108) TP	Hexachlorobuta		0.563	0.699	0.612	0.486	0.543	0.773	0.778	0.793	0.656	18.36
109) TP	1,2,4-Trichlor		1.011	1.080	0.997	0.955	1.055	1.266	1.242	1.237	1.105	11.24
110) TP	Naphthalene		2.007	1.992	1.893	1.755	1.988	2.326	2.375	2.408	2.093	11.65
111) TP	1,2,3-Trichlor		0.906	0.993	0.882	0.836	0.927	1.095	1.103	1.100	0.980	11.02

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2313422**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL19808**
Calibration dates	**: 03/13/23 13:58 03/13/23 17:42**		

Calibration Files

L11 =V22230313A03.D L1 =V22230313A05.D L2 =V22230313A07.D L3 =V22230313A08.D L4 =V22230313A09.D

L6 =V22230313A10.D L8 =V22230313A11.D L10 =V22230313A12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.149	0.161	0.138	0.137	0.117	0.124	0.124	0.136	11.44
3)	TP	Chloromethane		0.188	0.208	0.170	0.162	0.145	0.146	0.146	0.167	14.46
4)	TC	Vinyl chloride	0.170	0.206	0.225	0.193	0.186	0.165	0.168	0.166	0.185	11.88
5)	TP	Bromomethane		0.137	0.116	0.096	0.095	0.095	0.102	0.108	0.107	14.58
6)	TP	Chloroethane		0.152	0.154	0.129	0.122	0.109	0.111	0.110	0.127	15.25
7)	TP	Trichlorofluor		0.229	0.250	0.221	0.219	0.198	0.201	0.203	0.217	8.47
8)	TP	Ethyl ether		0.055	0.057	0.055	0.053	0.051	0.050	0.053	0.053	4.37
10)	TC	1,1-Dichloroet		0.136	0.158	0.135	0.128	0.118	0.119	0.121	0.131	10.76
11)	TP	Carbon disulfide		0.419	0.477	0.404	0.386	0.351	0.362	0.368	0.395	10.90
12)	TP	Freon-113		0.139	0.162	0.141	0.140	0.124	0.130	0.133	0.138	8.75
13)	TP	Iodomethane			0.089	0.109	0.140	0.148	0.152	0.155	*L	0.9986
14)	TP	Acrolein			0.016	0.015	0.014	0.014	0.013	0.014	0.015	7.46
15)	TP	Methylene chlo		0.169	0.177	0.153	0.144	0.132	0.131	0.134	0.148	12.50
17)	TP	Acetone			0.045	0.031	0.026	0.023	0.023	0.024	*L	0.9989
18)	TP	trans-1,2-Dich		0.160	0.176	0.150	0.145	0.131	0.132	0.134	0.147	11.40
19)	TP	Methyl acetate			0.075	0.061	0.056	0.054	0.052	0.055	0.059	14.38
21)	TP	Methyl tert butyl ether		0.214	0.238	0.244	0.244	0.246	0.241	0.253	0.240	5.17
22)	TP	tert-Butyl alc		0.007	0.008	0.008	0.008	0.007	0.007	0.008	0.008#	5.92
24)	TP	Diisopropyl ether		0.351	0.374	0.366	0.377	0.386	0.384	0.402	0.377	4.27
25)	TP	1,1-Dichloroet		0.301	0.332	0.284	0.267	0.246	0.244	0.249	0.274#	12.03
26)	TP	Halothane		0.099	0.118	0.111	0.110	0.102	0.104	0.107	0.107	6.22
27)	TP	Acrylonitrile		0.035	0.033	0.032	0.030	0.028	0.028	0.029	0.031	9.26
28)	TP	Ethyl tert-but		0.301	0.326	0.329	0.343	0.359	0.357	0.378	0.342	7.48
29)	TP	Vinyl acetate		0.226	0.214	0.208	0.214	0.233	0.232	0.253	0.226	6.89
30)	TP	cis-1,2-Dichlo		0.170	0.190	0.165	0.155	0.142	0.142	0.144	0.158#	11.20
31)	TP	2,2-Dichloropr		0.230	0.251	0.218	0.207	0.186	0.186	0.188	0.210	12.02
32)	TP	Bromochloromet		0.078	0.085	0.077	0.072	0.066	0.065	0.067	0.073#	10.28
33)	TP	Cyclohexane		0.259	0.299	0.280	0.284	0.254	0.263	0.269	0.272	5.84
34)	TC	Chloroform		0.289	0.317	0.260	0.245	0.226	0.226	0.232	0.256	13.60
35)	TP	Ethyl acetate			0.072	0.075	0.077	0.079	0.076	0.081	0.077	3.99
36)	TP	Carbon tetrachloride	0.143	0.164	0.202	0.191	0.192	0.180	0.185	0.191	0.181	10.43
37)	TP	Tetrahydrofuran			0.031	0.027	0.022	0.021	0.021	0.022	0.024	17.02
38)	S	Dibromofluoromethane	0.336	0.349	0.330	0.307	0.288	0.277	0.275	0.276	0.305	9.95
39)	TP	1,1,1-Trichlor		0.210	0.250	0.223	0.223	0.202	0.202	0.207	0.217	7.82
41)	TP	2-Butanone			0.044	0.034	0.033	0.034	0.033	0.034	0.035	12.15

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2313422**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL19808**
Calibration dates	**: 03/13/23 13:58 03/13/23 17:42**		

Calibration Files

L11 =V22230313A03.D L1 =V22230313A05.D L2 =V22230313A07.D L3 =V22230313A08.D L4 =V22230313A09.D

L6 =V22230313A10.D L8 =V22230313A11.D L10 =V22230313A12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
42) TP	1,1-Dichloropr		0.151	0.185	0.182	0.206	0.191	0.195	0.198	0.187	9.58
44) TP	Benzene	0.484	0.491	0.539	0.539	0.536	0.512	0.510	0.518	0.516	4.13
45) TP	Tertiary-Amyl Methyl Ether		0.262	0.275	0.273	0.284	0.288	0.286	0.306	0.282	4.91
46) S	1,2-Dichloroethane-d4	0.326	0.338	0.327	0.305	0.284	0.284	0.281	0.289	0.304	7.57
47) T	1,2-Dichloroet		0.186	0.195	0.176	0.167	0.157	0.153	0.159	0.170	9.22
50) TP	Methyl cyclohe		0.237	0.257	0.236	0.249	0.236	0.246	0.259	0.246	4.03
51) TP	Trichloroethene	0.172	0.164	0.163	0.150	0.154	0.147	0.148	0.155	0.157#	5.73
53) TP	Dibromomethane		0.078	0.087	0.081	0.077	0.072	0.072	0.075	0.077	6.84
54) TC	1,2-Dichloropr		0.117	0.145	0.145	0.146	0.139	0.139	0.143	0.139	7.30
56) TP	2-Chloroethyl		0.047	0.051	0.054	0.056	0.056	0.055	0.058	0.054	6.88
57) TP	Bromodichlorom		0.171	0.192	0.186	0.188	0.180	0.178	0.184	0.183#	3.75
60) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	4.89
61) TP	cis-1,3-Dichlo		0.179	0.199	0.209	0.218	0.213	0.211	0.219	0.207#	6.78
62) I	Chlorobenzene-d5	----------ISTD----------									
63) S	Toluene-d8	1.279	1.285	1.291	1.336	1.338	1.335	1.317	1.302	1.310	1.87
64) TC	Toluene		0.392	0.462	0.443	0.449	0.433	0.429	0.439	0.435	5.07
65) TP	4-Methyl-2-pen			0.024	0.026	0.026	0.026	0.025	0.025	0.025#	3.59
66) TP	Tetrachloroethene		0.154	0.174	0.166	0.174	0.167	0.169	0.179	0.169	4.83
68) TP	trans-1,3-Dich		0.205	0.228	0.247	0.268	0.268	0.260	0.268	0.249#	9.88
70) TP	Ethyl methacry		0.144	0.149	0.149	0.149	0.141	0.134	0.140	0.144	3.82
71) TP	1,1,2-Trichlor		0.084	0.092	0.101	0.111	0.110	0.107	0.111	0.102#	10.27
72) TP	Chlorodibromom		0.107	0.126	0.146	0.163	0.165	0.163	0.169	0.148#	15.98
73) TP	1,3-Dichloropr		0.183	0.206	0.219	0.232	0.229	0.222	0.227	0.217	8.00
74) TP	1,2-Dibromoethane		0.095	0.113	0.121	0.131	0.131	0.127	0.130	0.121#	11.08
76) TP	2-Hexanone		0.102	0.074	0.072	0.069	0.064	0.060	0.061	0.072	19.95
77) TP	Chlorobenzene		0.455	0.535	0.498	0.501	0.484	0.477	0.489	0.491	5.05
78) TC	Ethylbenzene		0.837	0.956	0.873	0.870	0.831	0.818	0.825	0.858	5.59
79) TP	1,1,1,2-Tetrac		0.111	0.145	0.153	0.168	0.171	0.171	0.179	0.157	14.83
80) TP	p/m Xylene		0.313	0.376	0.348	0.347	0.330	0.324	0.330	0.338	6.08
81) TP	o Xylene		0.299	0.351	0.334	0.334	0.320	0.315	0.322	0.325	5.08
82) TP	Styrene		0.499	0.564	0.554	0.562	0.539	0.528	0.527	0.539	4.33
83) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
84) TP	Bromoform		0.101	0.134	0.151	0.177	0.188	0.192		*L	0.9980
86) TP	Isopropylbenzene		1.714	1.918	1.770	1.785	1.667	1.646	1.632	1.733	5.80
87) S	4-Bromofluorobenzene	0.967	0.972	0.955	0.967	0.932	0.904	0.898	0.871	0.933	4.08
88) TP	Bromobenzene		0.352	0.428	0.397	0.398	0.373	0.370	0.380	0.386	6.41

Initial Calibration Summary
Form 6
Volatiles

Client	**: Environmental Compliance & Control,**	**Lab Number**	**: L2313422**
Project Name	**: BRIDGE CLEANERS**	**Project Number**	**: BRIDGE CLEANERS**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL19808**
Calibration dates	**: 03/13/23 13:58 03/13/23 17:42**		

Calibration Files
L11 =V22230313A03.D L1 =V22230313A05.D L2 =V22230313A07.D L3 =V22230313A08.D L4 =V22230313A09.D
L6 =V22230313A10.D L8 =V22230313A11.D L10 =V22230313A12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
89) TP	n-Propylbenzene		1.933	2.281	2.136	2.152	2.011	1.969	1.911	2.056	6.65
90) TP	1,4-Dichlorobu		0.376	0.392	0.387	0.403	0.394	0.385	0.402	0.391	2.42
91) TP	1,1,2,2-Tetrac		0.246	0.252	0.262	0.270	0.264	0.260	0.272	0.261	3.52
92) TP	4-Ethyltoluene		1.496	1.833	1.704	1.735	1.619	1.602	1.562	1.650	6.93
93) TP	2-Chlorotoluene		1.163	1.270	1.191	1.196	1.113	1.101	1.109	1.163	5.28
94) TP	1,3,5-Trimethy		1.196	1.371	1.297	1.358	1.348	1.362	1.377	1.330	4.85
95) TP	1,2,3-Trichlor		0.221	0.208	0.216	0.220	0.219	0.219	0.234	0.220	3.41
96) TP	trans-1,4-Dich		0.064	0.068	0.076	0.085	0.079	0.077	0.080	0.076	9.37
97) TP	4-Chlorotoluene		1.177	1.342	1.264	1.268	1.182	1.165	1.162	1.223	5.66
98) TP	tert-Butylbenzene		1.345	1.621	1.508	1.510	1.414	1.390	1.399	1.455	6.56
101) TP	1,2,4-Trimethy		1.160	1.325	1.264	1.300	1.307	1.326	1.340	1.289	4.81
102) TP	sec-Butylbenzene		1.578	1.946	1.836	1.847	1.728	1.710	1.669	1.759	7.07
103) TP	p-Isopropyltol		1.293	1.552	1.490	1.522	1.464	1.467	1.459	1.464	5.66
104) TP	1,3-Dichlorobe		0.725	0.815	0.789	0.799	0.748	0.748	0.760	0.769	4.23
105) TP	1,4-Dichlorobe		0.753	0.815	0.772	0.785	0.735	0.735	0.747	0.763	3.81
106) TP	p-Diethylbenzene		0.749	0.863	0.833	0.860	0.848	0.862	0.891	0.844	5.36
107) TP	n-Butylbenzene		1.084	1.304	1.224	1.272	1.234	1.241	1.251	1.230	5.66
108) TP	1,2-Dichlorobe		0.648	0.711	0.690	0.695	0.658	0.657	0.667	0.675	3.51
109) TP	1,2,4,5-Tetram		1.027	1.143	1.097	1.098	1.058	1.071	1.132	1.089	3.75
110) TP	1,2-Dibromo-3-		0.021	0.036	0.042	0.043	0.041	0.041	0.043	*L	0.9994
111) TP	1,3,5-Trichlor		0.391	0.455	0.428	0.426	0.405	0.416	0.448	0.424	5.31
112) TP	Hexachlorobuta		0.133	0.156	0.154	0.157	0.149	0.152	0.161	0.152	6.13
113) TP	1,2,4-Trichlor		0.372	0.402	0.377	0.372	0.351	0.349	0.374	0.371#	4.76
114) TP	Naphthalene		0.893	0.915	0.896	0.872	0.808	0.788	0.825	0.857	5.77
115) TP	1,2,3-Trichlor		0.327	0.353	0.333	0.325	0.302	0.301	0.319	0.323#	5.60

Response Factor Report VOA104

Method Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Method File : V104_230118A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jan 19 14:20:58 2023
Response Via : Initial Calibration

Calibration Files
0.5 =V04230118A03.D 1.0 =V04230118A06.D 2.0 =V04230118A07.D 4.0 =V04230118A09.D 20 =V04230118A10.D
40 =V04230118A11.D 100 =V04230118A12.D 200 =V04230118A13.D 300 =V04230118A14.D

		Compound	0.5	1.0	2.0	4.0	20	40	100	200	300	Avg	%RSD
1)	I	Fluorobenzene	ISTD										
2)	TP	Dichlorodifluo...	0.410	0.545	0.503	0.323	0.359	0.471	0.490	0.494	0.449		17.21
3)	TP	Chloromethane	0.879	1.100	0.887	0.685	0.699	0.795	0.787	0.801	0.829		15.82
4)	TC	Vinyl chloride	0.540	0.743	0.634	0.456	0.480	0.587	0.597	0.589	0.578		15.61
5)	TP	Bromomethane		0.443	0.352	0.261	0.264	0.288	0.287	0.284	*L		0.9989
6)	TP	Chloroethane		0.378	0.309	0.232	0.230	0.260	0.228		*L		0.9958
7)	TP	Trichlorofluor...	0.548	0.781	0.674	0.465	0.504	0.650	0.658	0.648	0.616		16.75
8)	TP	Ethyl ether	0.129	0.146	0.126	0.117	0.123	0.138	0.142	0.144	0.133		8.17
10)	TC	1,1-Dichloroet...	0.352	0.503	0.435	0.308	0.326	0.400	0.401	0.401	0.391		15.98
11)	TP	Carbon disulfide			1.057	0.713	0.726	0.849	0.821	0.805	0.828		14.99
12)	TP	Freon-113	0.363	0.465	0.453	0.284	0.314	0.428	0.436	0.429	0.396		17.06
14)	TP	Acrolein				0.036	0.039	0.045	0.048	0.051	0.044		14.17
15)	TP	Methylene chlo...			0.526	0.417	0.422	0.433	0.414	0.413	0.437		10.11
17)	TP	Acetone			0.109	0.064	0.077	0.082	0.086	0.083	0.084		17.68
18)	TP	trans-1,2-Dich...	0.349	0.509	0.439	0.345	0.365	0.413	0.407	0.407	0.404		13.32
19)	TP	Methyl acetate			0.134	0.141	0.159	0.181	0.192	0.198	0.168		16.02
20)	TP	Methyl tert-bu...	0.530	0.591	0.574	0.531	0.602	0.674	0.698	0.701	0.613		11.49
21)	TP	tert-Butyl alc...	0.027	0.030	0.030	0.026	0.027	0.029	0.031	0.031	0.029		6.85
22)	TP	Diisopropyl ether	1.061	1.225	1.148	1.076	1.254	1.451	1.473	1.444	1.266		13.44
23)	TP	1,1-Dichloroet...	0.917	1.141	0.936	0.777	0.785	0.854	0.836	0.830	0.885		13.32
24)	TP	Halothane	0.263	0.383	0.324	0.244	0.258	0.313	0.323	0.324	0.304		15.14
25)	TP	Acrylonitrile			0.072	0.080	0.087	0.095	0.098	0.101	0.089		12.77
26)	TP	Ethyl tert-but...	0.835	0.920	0.891	0.851	0.996	1.164	1.197	1.187	1.005		15.41
27)	TP	Vinyl acetate			0.436	0.493	0.592	0.673	0.692	0.736	0.603		19.67
28)	TP	cis-1,2-Dichlo...	0.466	0.546	0.461	0.385	0.415	0.425	0.419	0.419	0.442		11.20
29)	TP	2,2-Dichloropr...	0.574	0.763	0.643	0.478	0.502	0.615	0.617	0.602	0.599		14.68
30)	TP	Bromochloromet...	0.213	0.240	0.211	0.185	0.185	0.189	0.179	0.176	0.197		11.17
31)	TP	Cyclohexane	0.713	1.013	0.931	0.605	0.659	0.900	0.916	0.906	0.830		17.95
32)	TC	Chloroform	0.779	0.897	0.772	0.637	0.643	0.670	0.661	0.658	0.715		12.93
33)	TP	Ethyl acetate			0.190	0.192	0.230	0.267	0.284	0.294	0.243		18.75
34)	TP	Carbon tetrach...	0.419	0.609	0.543	0.382	0.412	0.533	0.557	0.564	0.502		16.88

Response Factor Report VOA104

Method Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Method File : V104_230118A_8260.m
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Last Update : Thu Jan 19 14:20:58 2023
Response Via : Initial Calibration

Calibration Files
0.5 =V04230118A03.D 1.0 =V04230118A06.D 2.0 =V04230118A07.D 4.0 =V04230118A09.D 20 =V04230118A10.D
40 =V04230118A11.D 100 =V04230118A12.D 200 =V04230118A13.D 300 =V04230118A14.D

		Compound	0.5	1.0	2.0	4.0	20	40	100	200	300	Avg	%RSD
35)	TP	Tetrahydrofuran		0.102	0.099	0.090	0.085	0.085	0.089	0.089	0.091		7.01
36)	S	Dibromofluorom...	0.401	0.396	0.398	0.371	0.344	0.318	0.300	0.290	0.290	0.345	13.74
37)	TP	1,1,1-Trichlor...	0.520	0.517	0.705	0.621	0.453	0.484	0.576	0.590	0.592	0.562	13.75
39)	TP	2-Butanone				0.055	0.083	0.088	0.115	0.129	0.131	*Q	0.9979
40)	TP	1,1-Dichloropr...	0.305	0.330	0.484	0.452	0.355	0.401	0.520	0.538	0.539	*Q	0.9965
41)	TP	Benzene	1.229	1.153	1.517	1.286	1.156	1.261	1.461	1.459	1.461	1.332	10.76
42)	TP	tert-Amyl meth...		0.632	0.710	0.647	0.592	0.669	0.779	0.817	0.818	0.708	12.35
43)	S	1,2-Dichloroet...	0.306	0.313	0.313	0.302	0.263	0.248	0.241	0.247	0.246	0.275	11.64
44)	TP	1,2-Dichloroet...		0.519	0.557	0.491	0.408	0.435	0.459	0.463	0.467	0.475	9.94
47)	TP	Methyl cyclohe...		0.424	0.617	0.562	0.395	0.462	0.690	0.724	0.731	*Q	0.9935
48)	TP	Trichloroethene	0.273	0.294	0.393	0.360	0.303	0.332	0.412	0.414	0.411	0.355	15.75
50)	TP	Dibromomethane		0.200	0.220	0.215	0.189	0.193	0.209	0.213	0.216	0.207	5.59
51)	TC	1,2-Dichloropr...		0.342	0.428	0.401	0.373	0.402	0.453	0.460	0.461	0.415	10.49
53)	TP	2-Chloroethyl ...					0.131	0.162	0.192	0.208	0.214	0.181	19.09
54)	TP	Bromodichlorom...	0.441	0.501	0.579	0.507	0.436	0.467	0.502	0.512	0.514	0.495	8.77
57)	TP	1,4-Dioxane		0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003#	19.16
58)	TP	cis-1,3-Dichlo...	0.334	0.406	0.521	0.487	0.466	0.530	0.597	0.616	0.621	0.509	19.17
59)	I	Chlorobenzene-d5	----------	ISTD	----------								
60)	S	Toluene-d8	1.151	1.160	1.169	1.202	1.211	1.232	1.234	1.246	1.229	1.204	2.94
61)	TC	Toluene		0.790	0.999	0.906	0.788	0.883	1.062	1.081	1.078	0.948	13.02
62)	TP	4-Methyl-2-pen...				0.080	0.087	0.103	0.120	0.128	0.129	0.108	19.53
63)	TP	Tetrachloroethene	0.253	0.296	0.430	0.416	0.328	0.380	0.518	0.545	0.547	*Q	0.9956
65)	TP	trans-1,3-Dich...		0.303	0.391	0.391	0.410	0.503	0.592	0.615	0.619	*Q	0.9978
67)	TP	Ethyl methacry...			0.261	0.299	0.288	0.326	0.365	0.370	0.366	0.325	13.44
68)	TP	1,1,2-Trichlor...		0.162	0.201	0.212	0.203	0.241	0.277	0.287	0.289	*Q	0.9984
69)	TP	Chlorodibromom...		0.275	0.331	0.319	0.313	0.366	0.432	0.454	0.465	0.369	19.48
70)	TP	1,3-Dichloropr...		0.376	0.420	0.424	0.407	0.481	0.556	0.582	0.586	0.479	17.71
71)	TP	1,2-Dibromoethane	0.106	0.174	0.240	0.241	0.240	0.288	0.335	0.353	0.360	*Q	0.9983
72)	TP	2-Hexanone				0.192	0.172	0.202	0.237	0.249	0.252	0.217	15.31
73)	TP	Chlorobenzene	0.949	1.038	1.230	1.111	0.969	1.070	1.235	1.246	1.251	1.122	10.89
74)	TC	Ethylbenzene		1.657	2.150	1.937	1.583	1.701	2.048	2.038	2.033	1.893	11.32

Method Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Method File : V104_230118A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jan 19 14:20:58 2023
Response Via : Initial Calibration

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40 =V04230118A11.D 100 =V04230118A12.D 200 =V04230118A13.D 300 =V04230118A14.D

	Compound	0.5	1.0	2.0	4.0	20	40	100	200	300	Avg	%RSD
75) TP	1,1,1,2-Tetrac...	0.264	0.299	0.371	0.329	0.310	0.364	0.432	0.448	0.451	0.363	18.90
76) TP	p/m Xylene	0.609	0.669	0.858	0.779	0.620	0.668	0.771	0.753	0.738	0.718	11.48
77) TP	o Xylene	0.637	0.655	0.795	0.735	0.606	0.645	0.723	0.708	0.702	0.690	8.56
78) TP	Styrene	1.047	1.027	1.258	1.162	0.971	1.048	1.137	1.104	1.091	1.094	7.75
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------										
80) TP	Bromoform		0.282	0.335	0.327	0.330	0.391	0.449	0.473	0.486	*Q	0.9986
82) TP	Isopropylbenzene		2.571	3.346	3.084	2.513	2.826	3.608	3.677	3.729	3.169	15.59
83) S	4-Bromofluorob...	0.838	0.840	0.855	0.861	0.863	0.876	0.874	0.884	0.881	0.864	1.94
84) TP	Bromobenzene		0.731	0.841	0.767	0.721	0.825	0.950	0.970	0.984	0.848	12.65
85) TP	n-Propylbenzene		3.275	4.179	3.811	3.120	3.476	4.397	4.431	4.466	3.894	14.11
86) TP	1,4-Dichlorobu...		0.918	0.963	0.901	0.862	0.976	1.078	1.110	1.113	0.990	9.94
87) TP	1,1,2,2-Tetrac...	0.538	0.589	0.620	0.595	0.557	0.640	0.701	0.726	0.748	0.635	11.80
88) TP	4-Ethyltoluene		2.699	3.368	3.045	2.641	2.921	3.617	3.624	3.664	3.197	13.28
89) TP	2-Chlorotoluene		2.128	2.515	2.256	1.928	2.122	2.482	2.485	2.517	2.304	9.87
90) TP	1,3,5-Trimethy...		2.371	2.912	2.548	2.189	2.450	3.051	3.076	3.102	2.712	13.40
91) TP	1,2,3-Trichlor...		0.436	0.480	0.425	0.395	0.442	0.501	0.515	0.523	0.465	10.06
92) TP	trans-1,4-Dich...			0.166	0.162	0.174	0.200	0.207	0.224	0.232	0.195	14.31
93) TP	4-Chlorotoluene		2.171	2.405	2.170	2.038	2.212	2.593	2.619	2.663	2.359	10.29
94) TP	tert-Butylbenzene		1.995	2.550	2.277	1.843	2.076	2.675	2.747	2.783	2.368	15.56
97) TP	1,2,4-Trimethy...		2.271	2.740	2.495	2.225	2.486	3.039	3.082	3.114	2.681	13.59
98) TP	sec-Butylbenzene		2.995	3.929	3.566	2.772	3.073	4.078	4.142	4.168	3.591	15.90
99) TP	p-Isopropyltol...		2.508	3.241	2.931	2.461	2.700	3.547	3.586	3.605	3.072	15.81
100) TP	1,3-Dichlorobe...		1.462	1.705	1.510	1.418	1.563	1.813	1.828	1.840	1.642	10.63
101) TP	1,4-Dichlorobe...		1.646	1.795	1.644	1.444	1.556	1.818	1.839	1.856	1.700	8.87
102) TP	p-Diethylbenzene		1.510	1.956	1.746	1.506	1.650	2.180	2.215	2.244	1.876	16.71
103) TP	n-Butylbenzene		2.256	2.836	2.654	2.192	2.405	3.210	3.234	3.247	2.754	16.14
104) TP	1,2-Dichlorobe...		1.366	1.568	1.441	1.329	1.464	1.679	1.701	1.715	1.533	10.07
105) TP	1,2,4,5-Tetram...		2.464	2.894	2.618	2.446	2.728	3.408	3.401	3.418	2.922	14.63
106) TP	1,2-Dibromo-3-...		0.086	0.094	0.100	0.093	0.106	0.128	0.134	0.138	0.110	18.57
107) TP	1,3,5-Trichlor...		1.091	1.305	1.161	1.091	1.188	1.481	1.463	1.473	1.282	13.38
108) TP	Hexachlorobuta...		0.563	0.699	0.612	0.486	0.543	0.773	0.778	0.793	0.656	18.36

Method Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Method File : V104_230118A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jan 19 14:20:58 2023
Response Via : Initial Calibration

Calibration Files
0.5 =V04230118A03.D 1.0 =V04230118A06.D 2.0 =V04230118A07.D 4.0 =V04230118A09.D 20 =V04230118A10.D
40 =V04230118A11.D 100 =V04230118A12.D 200 =V04230118A13.D 300 =V04230118A14.D

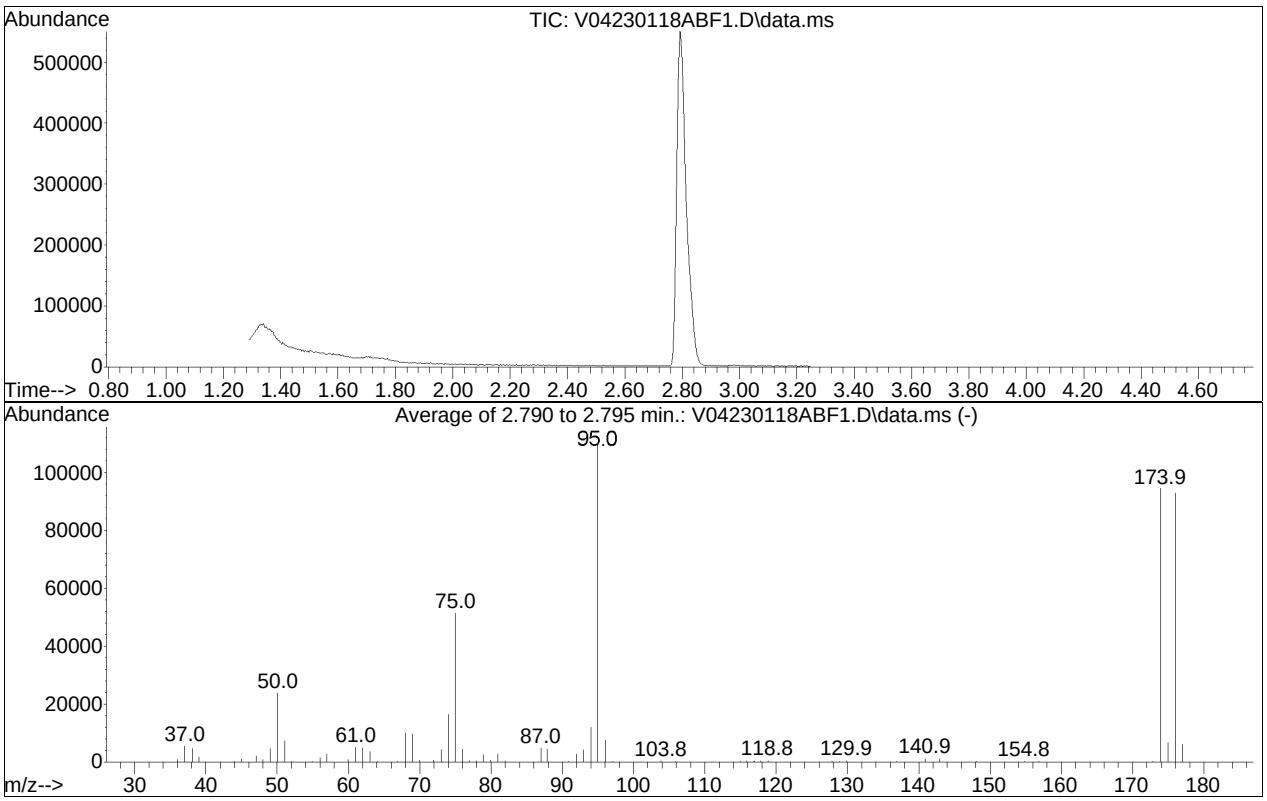
	Compound	0.5	1.0	2.0	4.0	20	40	100	200	300	Avg	%RSD
109)	TP 1,2,4-Trichlor...	1.011	1.080	0.997	0.955	1.055	1.266	1.242	1.237	1.105		11.24
110)	TP Naphthalene	2.007	1.992	1.893	1.755	1.988	2.326	2.375	2.408	2.093		11.65
111)	TP 1,2,3-Trichlor...	0.906	0.993	0.882	0.836	0.927	1.095	1.103	1.100	0.980		11.02

(#) = Out of Range

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118ABF1.D
Acq On : 18 Jan 2023 10:26 am
Operator : VOA104:MKS
Sample : WG1735258-1
Misc : WG1735258
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jan 19 14:20:58 2023



AutoFind: Scans 539, 540, 541; Background Corrected with Scan 525

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.6	23803	PASS
75	95	30	60	46.7	51549	PASS
95	95	100	100	100.0	110365	PASS
96	95	5	9	6.9	7570	PASS
173	174	0.00	2	0.3	295	PASS
174	95	50	100	85.7	94597	PASS
175	174	5	9	7.3	6886	PASS
176	174	95	101	98.3	92981	PASS
177	176	5	9	6.7	6240	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A03.D
Acq On : 18 Jan 2023 11:44 am
Operator : VOA104:MKS
Sample : I8260STD0.5PPB
Misc : WG1735258
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 19 13:39:07 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-L0_OH - Level 0.5ppb for Soils OH

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.539	96	137576	20.000	ug/L	0.00
Standard Area 1 = 163401			Recovery = 84.20%			
59) Chlorobenzene-d5	9.021	117	156505	20.000	ug/L	0.00
Standard Area 1 = 143598			Recovery = 108.99%			
79) 1,4-Dichlorobenzene-d4	11.820	152	104558	20.000	ug/L	0.00
Standard Area 1 = 82449			Recovery = 126.82%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.768	113	55198	25.251	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 126.26%			
43) 1,2-Dichloroethane-d4	5.272	65	42094	24.720	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 123.60%			
60) Toluene-d8	7.196	98	180110	18.689	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 93.44%			
83) 4-Bromofluorobenzene	10.562	95	87665	19.136	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.68%			
Target Compounds						Qvalue
37) 1,1,1-Trichloroethane	4.768	97	1787	0.537	ug/L #	93
40) 1,1-Dichloropropene	4.894	75	1048	0.380	ug/L #	81
41) Benzene	5.135	78	4228	0.487	ug/L	96
48) Trichloroethene	5.717	95	940	0.412	ug/L	88
54) Bromodichloromethane	6.331	83	1516	0.472	ug/L #	77
58) cis-1,3-Dichloropropene	7.023	75	1149	0.315	ug/L #	71
63) Tetrachloroethene	7.689	166	990	0.333	ug/L	95
69) Chlorodibromomethane	8.145	129	859	0.300	ug/L #	91
71) 1,2-Dibromoethane	8.418	107	415	0.184	ug/L #	79
73) Chlorobenzene	9.036	112	3713	0.443	ug/L #	58
75) 1,1,1,2-Tetrachloroethane	9.125	131	1034	0.363	ug/L #	62
76) p/m Xylene	9.277	106	4766	0.912	ug/L	77
77) o Xylene	9.818	106	4985	0.987	ug/L	93
78) Styrene	9.901	104	8196	0.999	ug/L	100
87) 1,1,2,2-Tetrachloroethane	10.840	83	1406	0.420	ug/L #	87

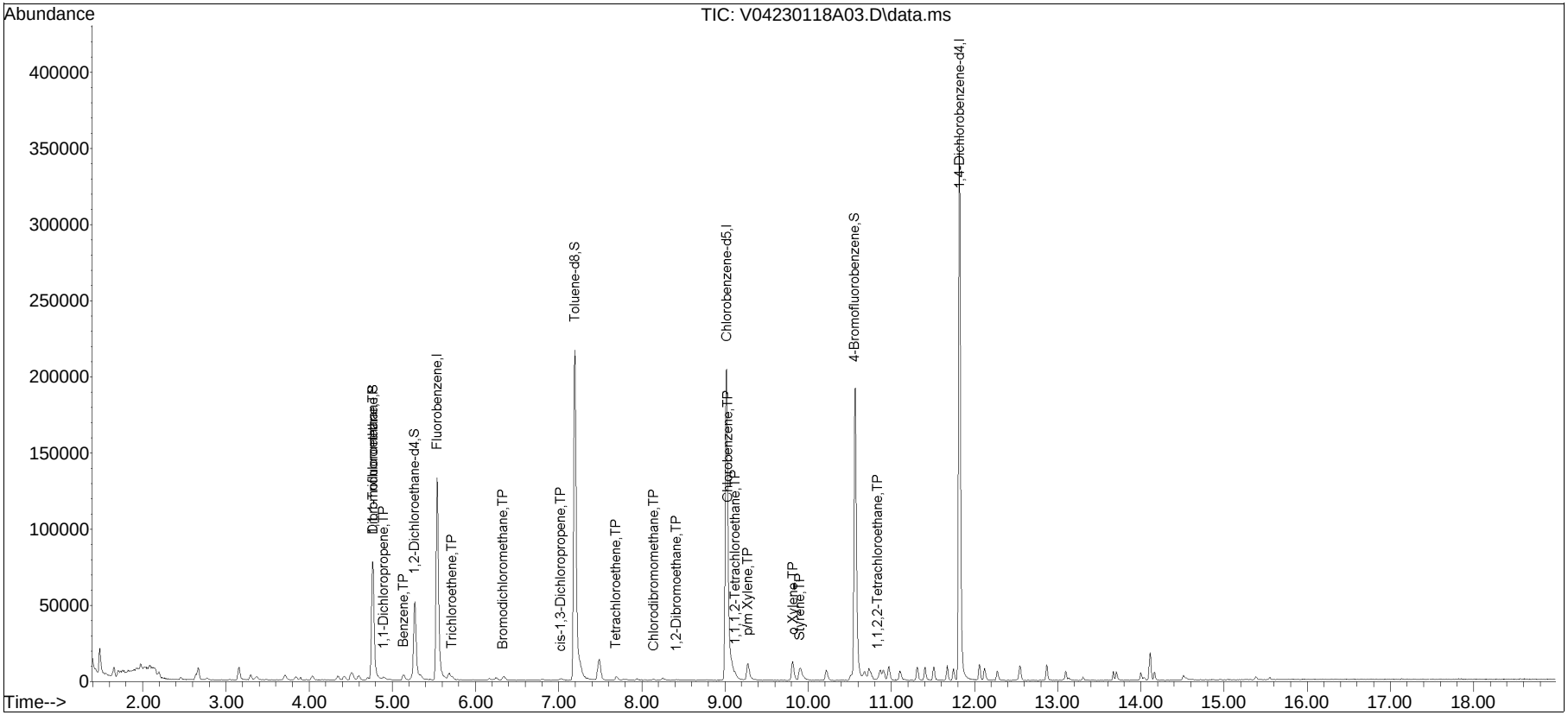
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A03.D
Acq On : 18 Jan 2023 11:44 am
Operator : VOA104:MKS
Sample : I8260STD0.5PPB
Misc : WG1735258
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 19 13:39:07 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

Sub List : 8260-L0_OH - Level 0.5ppb for Soils OHL\V04230118A11.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA104\2023\2Q	Method	: V104_230118A_8260.m
Data File	: V04230118A03.D	Operator	: VOA104:MKS
Date Inj'd	: 1/18/2023 11:44 am	Instrument	: VOA104
Sample	: I8260STD0.5PPB	Quant Date	: 1/19/2023 1:36 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A06.D
Acq On : 18 Jan 2023 1:02 pm
Operator : VOA104:MKS
Sample : I8260STD1PPB
Misc : WG1735258
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 19 14:05:58 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.539	96	137725	20.000 ug/L	0.00
Standard Area 1 = 163401			Recovery = 84.29%		
59) Chlorobenzene-d5	9.021	117	150576	20.000 ug/L	0.00
Standard Area 1 = 143598			Recovery = 104.86%		
79) 1,4-Dichlorobenzene-d4	11.820	152	98357	20.000 ug/L	0.00
Standard Area 1 = 82449			Recovery = 119.29%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.763	113	54588	24.945 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 124.72%		
43) 1,2-Dichloroethane-d4	5.272	65	43061	25.261 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 126.31%		
60) Toluene-d8	7.196	98	174699	18.841 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 94.21%		
83) 4-Bromofluorobenzene	10.567	95	82653	19.180 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.90%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.471	85	2822	1.142 ug/L #	87
3) Chloromethane	1.638	50	6050	1.256 ug/L	97
4) Vinyl chloride	1.701	62	3719	1.126 ug/L	99
5) Bromomethane	1.974	94	2726	1.499 ug/L	89
6) Chloroethane	2.084	64	2108	1.330 ug/L	73
7) Trichlorofluoromethane	2.194	101	3777	1.089 ug/L	96
8) Ethyl ether	2.462	74	889	1.047 ug/L #	74
10) 1,1-Dichloroethene	2.640	96	2427	1.080 ug/L	97
11) Carbon disulfide	2.666	76	9337	1.867 ug/L	95
12) Freon-113	2.666	101	2502	1.157 ug/L #	59
14) Acrolein	0.000		0	N.D.	
15) Methylene chloride	3.159	84	5223	1.799 ug/L	78
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	3.290	96	2405	0.956 ug/L	90
19) Methyl acetate	0.000		0	N.D. d	
20) Methyl tert-butyl ether	3.374	73	3647	0.879 ug/L #	70
21) tert-Butyl alcohol	3.479	59	931	4.931 ug/L #	68
22) Diisopropyl ether	3.709	45	7303	0.846 ug/L	95
23) 1,1-Dichloroethane	3.841	63	6316	1.168 ug/L	93
24) Halothane	3.898	117	1810	1.020 ug/L	87
25) Acrylonitrile	0.000		0	N.D.	

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A06.D
Acq On : 18 Jan 2023 1:02 pm
Operator : VOA104:MKS
Sample : I8260STD1PPB
Misc : WG1735258
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 19 14:05:58 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.040	59	5752	0.839	ug/L	#	65
27) Vinyl acetate	0.000		0	N.D.	d		
28) cis-1,2-Dichloroethene	4.339	96	3212	1.124	ug/L		96
29) 2,2-Dichloropropane	4.423	77	3956	1.145	ug/L		90
30) Bromochloromethane	4.533	128	1469	1.155	ug/L	#	72
31) Cyclohexane	4.506	56	4908	1.081	ug/L		87
32) Chloroform	4.596	83	5362	1.211	ug/L		94
33) Ethyl acetate	0.000		0	N.D.	d		
34) Carbon tetrachloride	4.706	117	2883	1.015	ug/L		97
35) Tetrahydrofuran	0.000		0	N.D.	d		
37) 1,1,1-Trichloroethane	4.769	97	3562	1.069	ug/L		98
39) 2-Butanone	0.000		0	N.D.	d		
40) 1,1-Dichloropropene	4.889	75	2271	0.822	ug/L		95
41) Benzene	5.136	78	7943	0.914	ug/L		99
42) tert-Amyl methyl ether	5.235	73	4349	0.944	ug/L		93
44) 1,2-Dichloroethane	5.345	62	3576	1.195	ug/L	#	94
47) Methyl cyclohexane	5.686	83	2920	0.918	ug/L		81
48) Trichloroethene	5.723	95	2023	0.885	ug/L		94
50) Dibromomethane	6.163	93	1379	1.038	ug/L		98
51) 1,2-Dichloropropane	6.252	63	2353	0.850	ug/L	#	92
53) 2-Chloroethyl vinyl ether	0.000		0	N.D.	d		
54) Bromodichloromethane	6.326	83	3451	1.072	ug/L	#	96
57) 1,4-Dioxane	6.551	88	427	20.535	ug/L	#	88
58) cis-1,3-Dichloropropene	7.018	75	2794	0.766	ug/L	#	62
61) Toluene	7.259	92	5946	0.894	ug/L		100
62) 4-Methyl-2-pentanone	0.000		0	N.D.	d		
63) Tetrachloroethene	7.694	166	2229	0.778	ug/L		95
65) trans-1,3-Dichloropropene	7.783	75	2283	0.603	ug/L	#	80
67) Ethyl methacrylate	0.000		0	N.D.	d		
68) 1,1,2-Trichloroethane	7.935	83	1218	0.672	ug/L		97
69) Chlorodibromomethane	8.145	129	2071	0.752	ug/L	#	22
70) 1,3-Dichloropropane	8.250	76	2830	0.782	ug/L	#	65
71) 1,2-Dibromoethane	8.412	107	1313	0.606	ug/L		98
72) 2-Hexanone	0.000		0	N.D.	d		
73) Chlorobenzene	9.036	112	7818	0.970	ug/L	#	82
74) Ethylbenzene	9.084	91	12474	0.974	ug/L		97
75) 1,1,1,2-Tetrachloroethane	9.131	131	2249	0.820	ug/L	#	78
76) p/m Xylene	9.272	106	10067	2.003	ug/L		88
77) o Xylene	9.807	106	9856	2.029	ug/L		96
78) Styrene	9.896	104	15462	1.959	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A06.D
Acq On : 18 Jan 2023 1:02 pm
Operator : VOA104:MKS
Sample : I8260STD1PPB
Misc : WG1735258
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 19 14:05:58 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	9.922	173	1389	0.722	ug/L		88
82) Isopropylbenzene	10.216	105	12642	0.910	ug/L		97
84) Bromobenzene	10.677	156	3595	0.887	ug/L		94
85) n-Propylbenzene	10.730	91	16104	0.942	ug/L		94
86) 1,4-Dichlorobutane	10.761	55	4516	0.941	ug/L	#	90
87) 1,1,2,2-Tetrachloroethane	10.845	83	2897	0.920	ug/L		97
88) 4-Ethyltoluene	10.866	105	13273	0.924	ug/L		97
89) 2-Chlorotoluene	10.903	91	10463M1	1.003	ug/L		
90) 1,3,5-Trimethylbenzene	10.966	105	11660	0.968	ug/L		97
91) 1,2,3-Trichloropropane	10.976	75	2146	0.988	ug/L	#	85
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.	d		
93) 4-Chlorotoluene	11.102	91	10675	0.981	ug/L		95
94) tert-Butylbenzene	11.312	119	9813	0.961	ug/L		96
97) 1,2,4-Trimethylbenzene	11.401	105	11167	0.913	ug/L		99
98) sec-Butylbenzene	11.511	105	14731	0.975	ug/L		98
99) p-Isopropyltoluene	11.668	119	12335	0.929	ug/L		98
100) 1,3-Dichlorobenzene	11.747	146	7191	0.936	ug/L		99
101) 1,4-Dichlorobenzene	11.831	146	8093M3	1.058	ug/L		
102) p-Diethylbenzene	12.062	119	7426	0.915	ug/L		97
103) n-Butylbenzene	12.119	91	11093	0.938	ug/L		97
104) 1,2-Dichlorobenzene	12.277	146	6720	0.933	ug/L		99
105) 1,2,4,5-Tetramethylben...	12.869	119	12118	0.903	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.068	155	425	0.812	ug/L		99
107) 1,3,5-Trichlorobenzene	13.095	180	5367	0.919	ug/L		99
108) Hexachlorobutadiene	13.671	225	2768	1.036	ug/L		93
109) 1,2,4-Trichlorobenzene	13.703	180	4973	0.959	ug/L	#	94
110) Naphthalene	13.996	128	9868M1	1.009	ug/L		
111) 1,2,3-Trichlorobenzene	14.164	180	4458	0.978	ug/L		96

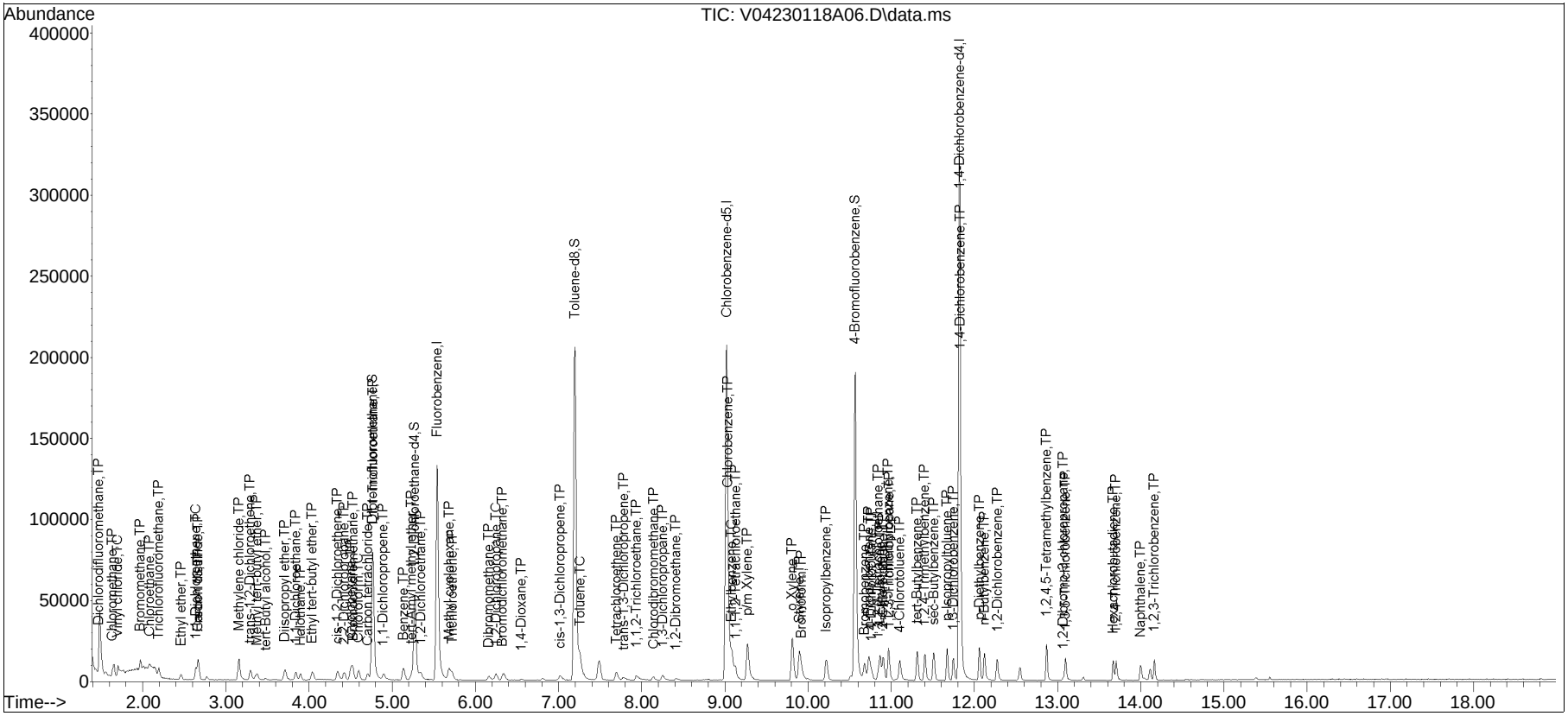
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A06.D
Acq On : 18 Jan 2023 1:02 pm
Operator : VOA104:MKS
Sample : I8260STD1PPB
Misc : WG1735258
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 19 14:05:58 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

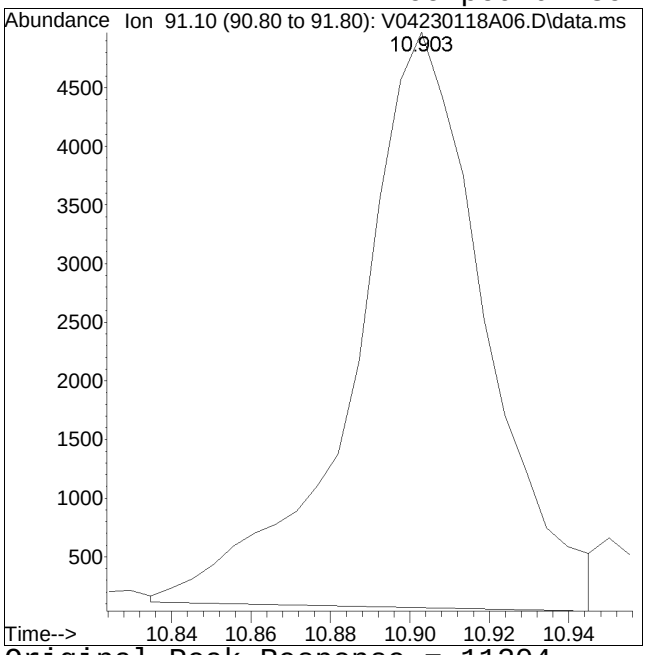
Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V04230118A11.D•

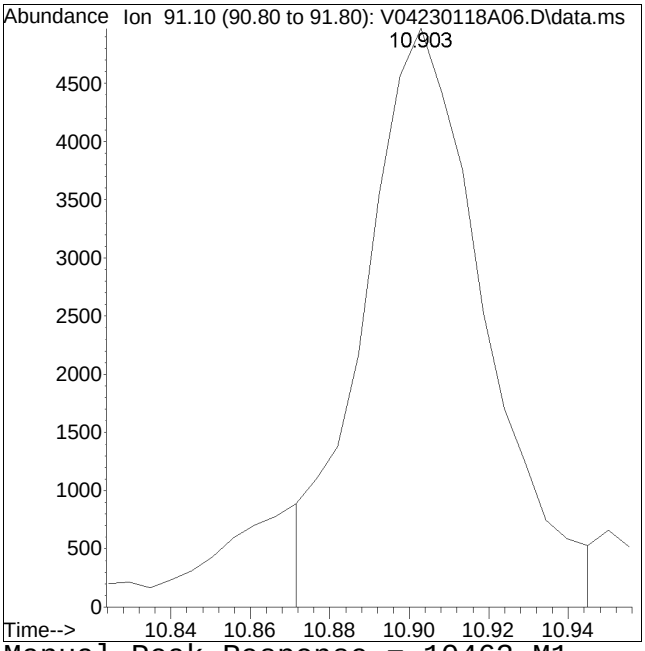


Manual Integration Report

Data Path : I:\VOLATILES\VOA104\2023\2QMethod : V104_230118A_8260.m
Data File : V04230118A06.D Operator : VOA104:MKS
Date Inj'd : 1/18/2023 1:02 pm Instrument : VOA104
Sample : I8260STD1PPB Quant Date : 1/19/2023 1:36 pm

Compound #89: 2-Chlorotoluene



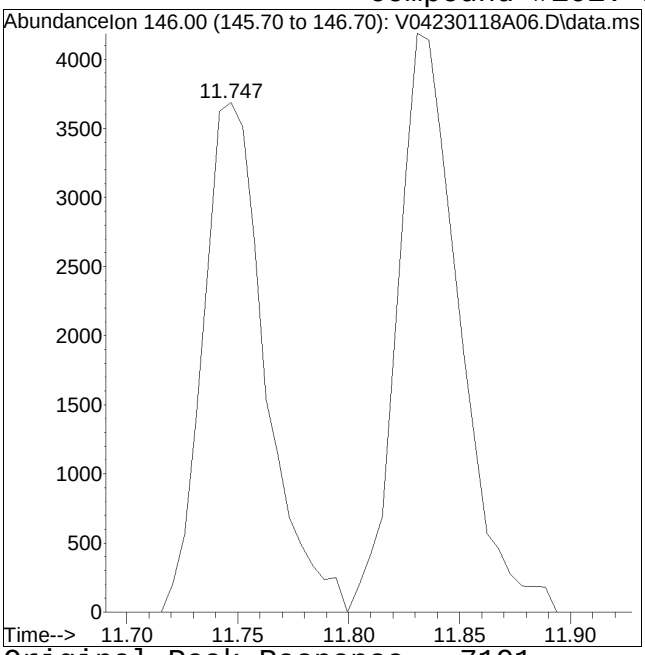


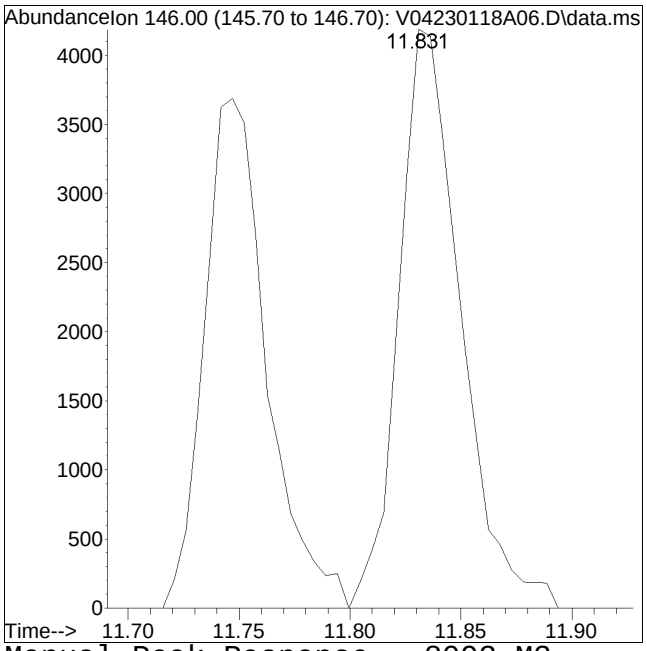
Original Peak Response = 11204 Manual Peak Response = 10463 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA104\2023\2QMethod : V104_230118A_8260.m
Data File : V04230118A06.D Operator : VOA104:MKS
Date Inj'd : 1/18/2023 1:02 pm Instrument : VOA104
Sample : I8260STD1PPB Quant Date : 1/19/2023 1:36 pm

Compound #101: 1,4-Dichlorobenzene





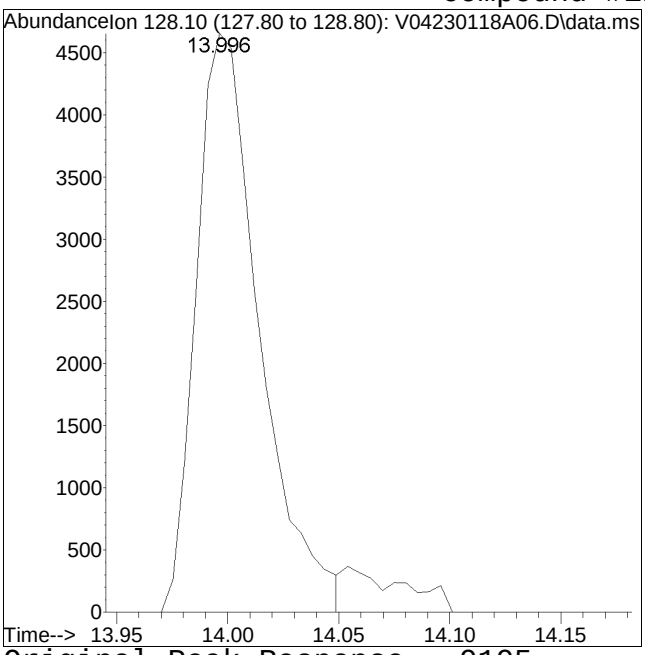
Original Peak Response = 7191 Manual Peak Response = 8093 M3

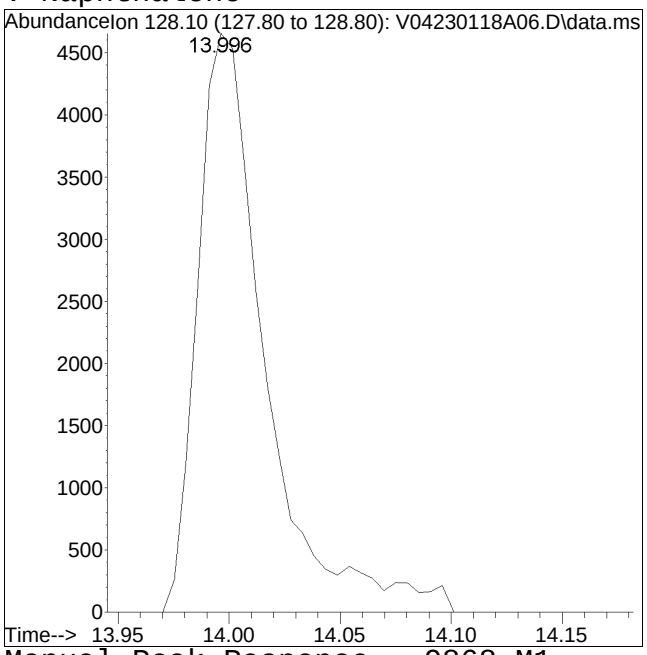
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\VOLATILES\VOA104\2023\2QMethod : V104_230118A_8260.m
Data File : V04230118A06.D Operator : VOA104:MKS
Date Inj'd : 1/18/2023 1:02 pm Instrument : VOA104
Sample : I8260STD1PPB Quant Date : 1/19/2023 1:36 pm

Compound #110: Naphthalene





Original Peak Response = 9195 Manual Peak Response = 9868 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A07.D
Acq On : 18 Jan 2023 1:28 pm
Operator : VOA104:MKS
Sample : I8260STD2PPB
Misc : WG1735258
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 19 13:44:16 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.539	96	145610	20.000 ug/L	0.00
Standard Area 1 = 163401			Recovery = 89.11%		
59) Chlorobenzene-d5	9.015	117	154761	20.000 ug/L	0.00
Standard Area 1 = 143598			Recovery = 107.77%		
79) 1,4-Dichlorobenzene-d4	11.820	152	100748	20.000 ug/L	0.00
Standard Area 1 = 82449			Recovery = 122.19%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.763	113	57890	25.021 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 125.11%		
43) 1,2-Dichloroethane-d4	5.272	65	45525	25.260 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 126.30%		
60) Toluene-d8	7.196	98	180991	18.992 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 94.96%		
83) 4-Bromofluorobenzene	10.562	95	86163	19.520 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.60%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.471	85	7936	3.039 ug/L #	86
3) Chloromethane	1.638	50	16013	3.145 ug/L	95
4) Vinyl chloride	1.701	62	10823	3.100 ug/L	96
5) Bromomethane	1.974	94	6447M4	3.354 ug/L	
6) Chloroethane	2.084	64	5509	3.288 ug/L	81
7) Trichlorofluoromethane	2.194	101	11371	3.101 ug/L	98
8) Ethyl ether	2.462	74	2131	2.373 ug/L #	79
10) 1,1-Dichloroethene	2.640	96	7320	3.080 ug/L	97
11) Carbon disulfide	2.666	76	20294	3.839 ug/L	98
12) Freon-113	2.671	101	6770	2.961 ug/L	92
14) Acrolein	0.000		0	N.D. d	
15) Methylene chloride	3.159	84	10149	3.306 ug/L	80
17) Acetone	3.211	43	2150	3.831 ug/L #	55
18) trans-1,2-Dichloroethene	3.290	96	7414	2.787 ug/L	94
19) Methyl acetate	0.000		0	N.D. d	
20) Methyl tert-butyl ether	3.369	73	8600	1.961 ug/L	86
21) tert-Butyl alcohol	3.473	59	2202	11.031 ug/L #	84
22) Diisopropyl ether	3.709	45	17832	1.953 ug/L	95
23) 1,1-Dichloroethane	3.840	63	16614	2.906 ug/L	96
24) Halothane	3.898	117	5574	2.971 ug/L	97
25) Acrylonitrile	0.000		0	N.D. d	

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A07.D
Acq On : 18 Jan 2023 1:28 pm
Operator : VOA104:MKS
Sample : I8260STD2PPB
Misc : WG1735258
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 19 13:44:16 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.040	59	13389	1.846	ug/L	#	67
27) Vinyl acetate	0.000		0	N.D.	d		
28) cis-1,2-Dichloroethene	4.344	96	7947	2.631	ug/L		96
29) 2,2-Dichloropropane	4.422	77	11115	3.042	ug/L		91
30) Bromochloromethane	4.527	128	3493	2.597	ug/L	#	73
31) Cyclohexane	4.506	56	14757	3.075	ug/L		86
32) Chloroform	4.595	83	13058	2.790	ug/L		96
33) Ethyl acetate	0.000		0	N.D.	d		
34) Carbon tetrachloride	4.700	117	8866	2.953	ug/L		99
35) Tetrahydrofuran	4.742	42	1478	2.391	ug/L	#	68
37) 1,1,1-Trichloroethane	4.774	97	10269	2.915	ug/L		98
39) 2-Butanone	0.000		0	N.D.	d		
40) 1,1-Dichloropropene	4.894	75	7049	2.415	ug/L		96
41) Benzene	5.130	78	22090	2.405	ug/L		96
42) tert-Amyl methyl ether	5.235	73	10340	2.123	ug/L		97
44) 1,2-Dichloroethane	5.345	62	8112	2.564	ug/L		99
47) Methyl cyclohexane	5.686	83	8983	2.672	ug/L		83
48) Trichloroethene	5.717	95	5718	2.367	ug/L		94
50) Dibromomethane	6.153	93	3208	2.283	ug/L		94
51) 1,2-Dichloropropane	6.247	63	6228	2.127	ug/L		95
53) 2-Chloroethyl vinyl ether	6.971	63	1514	1.284	ug/L	#	66
54) Bromodichloromethane	6.326	83	8431	2.478	ug/L	#	87
57) 1,4-Dioxane	6.535	88	1537	69.915	ug/L	#	77
58) cis-1,3-Dichloropropene	7.013	75	7591	1.968	ug/L	#	89
61) Toluene	7.254	92	15461	2.262	ug/L		100
62) 4-Methyl-2-pentanone	7.726	58	1071	1.338	ug/L	#	54
63) Tetrachloroethene	7.689	166	6653	2.260	ug/L		99
65) trans-1,3-Dichloropropene	7.768	75	6046	1.554	ug/L		85
67) Ethyl methacrylate	7.951	69	4045	1.604	ug/L		92
68) 1,1,2-Trichloroethane	7.935	83	3113	1.672	ug/L		97
69) Chlorodibromomethane	8.135	129	5120	1.809	ug/L		99
70) 1,3-Dichloropropane	8.250	76	6501	1.748	ug/L		99
71) 1,2-Dibromoethane	8.407	107	3715	1.668	ug/L		96
72) 2-Hexanone	0.000		0	N.D.	d		
73) Chlorobenzene	9.042	112	19043	2.299	ug/L		91
74) Ethylbenzene	9.078	91	33277	2.529	ug/L		97
75) 1,1,1,2-Tetrachloroethane	9.125	131	5737	2.036	ug/L		98
76) p/m Xylene	9.267	106	26567	5.142	ug/L		96
77) o Xylene	9.812	106	24616	4.930	ug/L		95
78) Styrene	9.886	104	38942	4.800	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A07.D
Acq On : 18 Jan 2023 1:28 pm
Operator : VOA104:MKS
Sample : I8260STD2PPB
Misc : WG1735258
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 19 13:44:16 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
80) Bromoform	9.912	173	3380	1.715	ug/L		99
82) Isopropylbenzene	10.216	105	33711	2.368	ug/L		100
84) Bromobenzene	10.683	156	8471	2.039	ug/L		100
85) n-Propylbenzene	10.725	91	42098	2.404	ug/L		98
86) 1,4-Dichlorobutane	10.756	55	9701	1.973	ug/L		92
87) 1,1,2,2-Tetrachloroethane	10.840	83	6244	1.936	ug/L		98
88) 4-Ethyltoluene	10.861	105	33933	2.306	ug/L		100
89) 2-Chlorotoluene	10.898	91	25340M1	2.371	ug/L		
90) 1,3,5-Trimethylbenzene	10.961	105	29333	2.377	ug/L		100
91) 1,2,3-Trichloropropane	10.976	75	4833	2.172	ug/L		89
92) trans-1,4-Dichloro-2-b...	11.050	53	1676	1.660	ug/L	#	81
93) 4-Chlorotoluene	11.097	91	24229	2.174	ug/L		96
94) tert-Butylbenzene	11.312	119	25686	2.456	ug/L		97
97) 1,2,4-Trimethylbenzene	11.401	105	27604	2.204	ug/L		100
98) sec-Butylbenzene	11.511	105	39581	2.557	ug/L		99
99) p-Isopropyltoluene	11.674	119	32655	2.401	ug/L		99
100) 1,3-Dichlorobenzene	11.742	146	17181	2.182	ug/L		100
101) 1,4-Dichlorobenzene	11.836	146	18088	2.308	ug/L		95
102) p-Diethylbenzene	12.056	119	19704	2.371	ug/L		98
103) n-Butylbenzene	12.119	91	28571	2.358	ug/L		98
104) 1,2-Dichlorobenzene	12.271	146	15802	2.142	ug/L		98
105) 1,2,4,5-Tetramethylben...	12.869	119	29153	2.121	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.068	155	947	1.766	ug/L		84
107) 1,3,5-Trichlorobenzene	13.089	180	13149	2.198	ug/L		99
108) Hexachlorobutadiene	13.671	225	7045	2.574	ug/L		96
109) 1,2,4-Trichlorobenzene	13.703	180	10881	2.048	ug/L		97
110) Naphthalene	13.996	128	20072	2.004	ug/L		100
111) 1,2,3-Trichlorobenzene	14.164	180	10003	2.143	ug/L		99

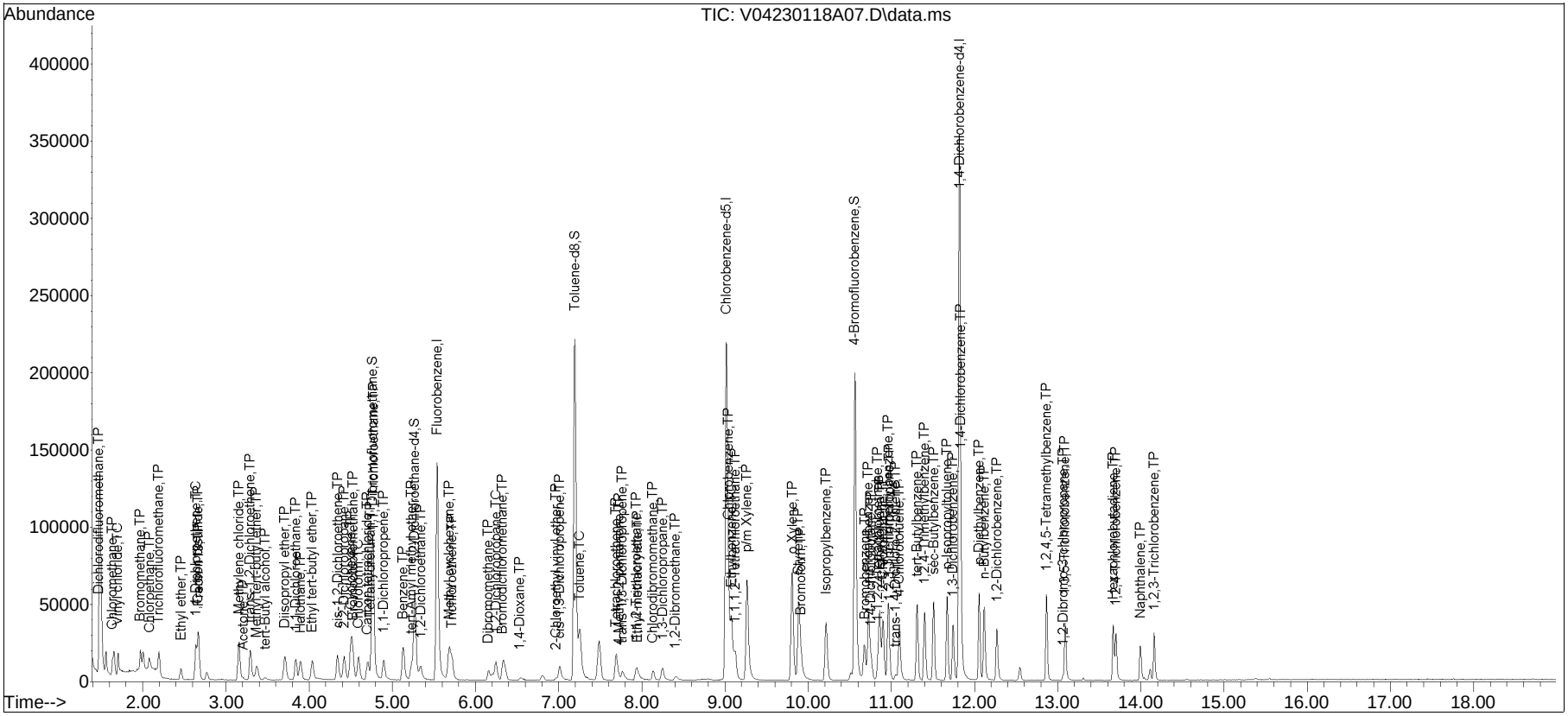
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A07.D
Acq On : 18 Jan 2023 1:28 pm
Operator : VOA104:MKS
Sample : I8260STD2PPB
Misc : WG1735258
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 19 13:44:16 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

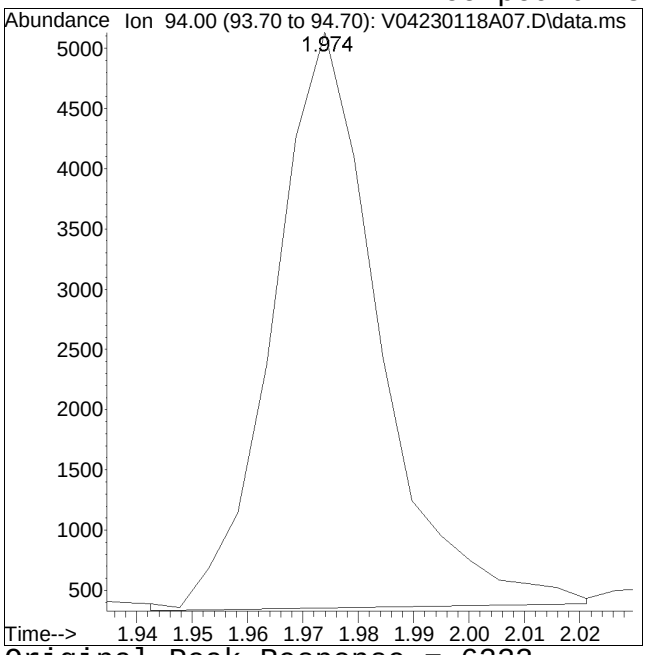
Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V04230118A11.D•



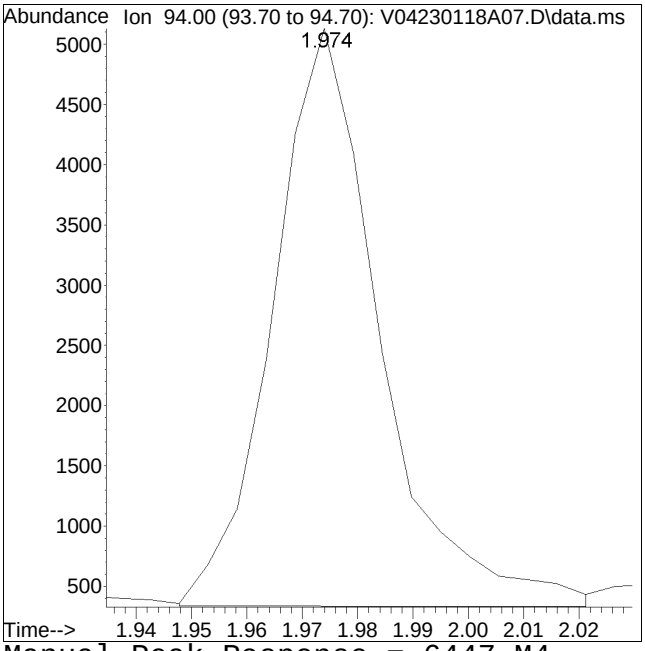
Manual Integration Report

Data Path : I:\VOLATILES\VOA104\2023\2QMethod : V104_230118A_8260.m
Data File : V04230118A07.D Operator : VOA104:MKS
Date Inj'd : 1/18/2023 1:28 pm Instrument : VOA104
Sample : I8260STD2PPB Quant Date : 1/19/2023 1:36 pm

Compound #5: Bromomethane



Original Peak Response = 6333



Manual Peak Response = 6447 M4

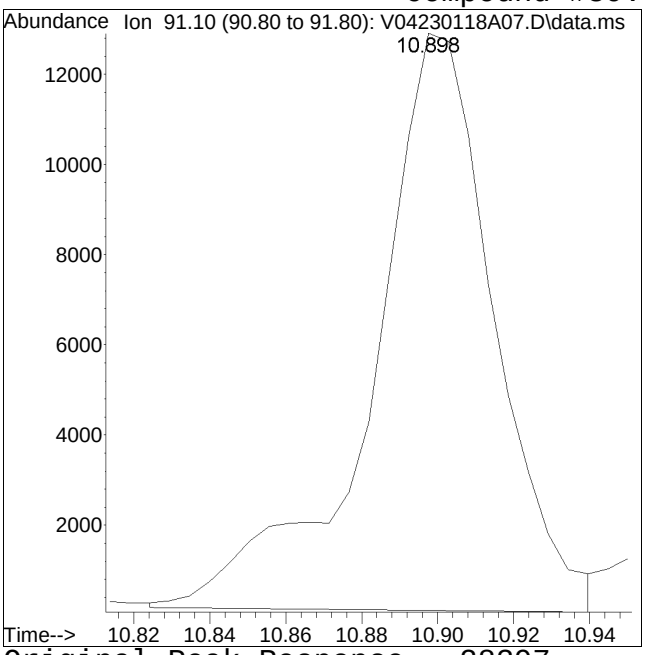
M4 = Poor automated baseline construction.

Manual Integration Report

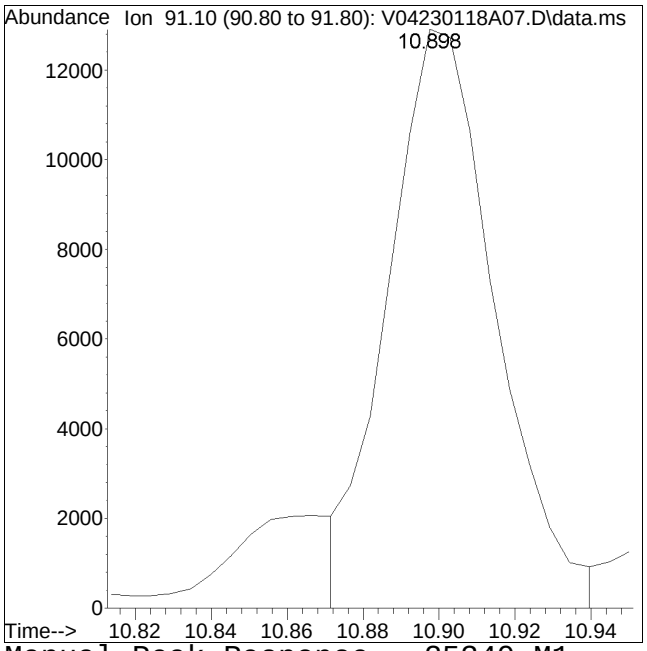
Data Path : I:\VOLATILES\VOA104\2023\2Q
Data File : V04230118A07.D
Date Inj'd : 1/18/2023 1:28 pm
Sample : I8260STD2PPB

Method : V104_230118A_8260.m
Operator : VOA104:MKS
Instrument : VOA104
Quant Date : 1/19/2023 1:36 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 28397



Manual Peak Response = 25340 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A09.D
Acq On : 18 Jan 2023 2:20 pm
Operator : VOA104:MKS
Sample : I8260STD4PPB
Misc : WG1735258
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 19 13:48:43 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.539	96	151231	20.000 ug/L	0.00
Standard Area 1 = 163401			Recovery = 92.55%		
59) Chlorobenzene-d5	9.015	117	149801	20.000 ug/L	0.00
Standard Area 1 = 143598			Recovery = 104.32%		
79) 1,4-Dichlorobenzene-d4	11.820	152	98622	20.000 ug/L	0.00
Standard Area 1 = 82449			Recovery = 119.62%		
System Monitoring Compounds					
36) Dibromofluoromethane	4.763	113	56148	23.366 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 116.83%		
43) 1,2-Dichloroethane-d4	5.272	65	45711	24.421 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 122.10%		
60) Toluene-d8	7.196	98	180065	19.520 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.60%		
83) 4-Bromofluorobenzene	10.562	95	84905	19.649 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.25%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.476	85	15205	5.606 ug/L	97
3) Chloromethane	1.638	50	26828	5.073 ug/L	98
4) Vinyl chloride	1.701	62	19170	5.286 ug/L	95
5) Bromomethane	1.974	94	10652	5.335 ug/L	99
6) Chloroethane	2.084	64	9340	5.367 ug/L	90
7) Trichlorofluoromethane	2.194	101	20387	5.353 ug/L	96
8) Ethyl ether	2.462	74	3799	4.073 ug/L #	73
10) 1,1-Dichloroethene	2.640	96	13156	5.330 ug/L	96
11) Carbon disulfide	2.666	76	31970	5.822 ug/L	99
12) Freon-113	2.666	101	13691	5.766 ug/L	79
14) Acrolein	2.960	56	792	2.690 ug/L #	55
15) Methylene chloride	3.154	84	15920	4.993 ug/L	78
17) Acetone	3.201	43	3299	5.659 ug/L #	83
18) trans-1,2-Dichloroethene	3.295	96	13279	4.807 ug/L	93
19) Methyl acetate	3.316	43	4049M1	3.359 ug/L	
20) Methyl tert-butyl ether	3.374	73	17353	3.809 ug/L #	85
21) tert-Butyl alcohol	3.468	59	4562	22.004 ug/L #	85
22) Diisopropyl ether	3.709	45	34719	3.662 ug/L	95
23) 1,1-Dichloroethane	3.840	63	28319	4.770 ug/L	98
24) Halothane	3.898	117	9789	5.023 ug/L	98
25) Acrylonitrile	3.930	53	2181M1	3.325 ug/L	

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A09.D
Acq On : 18 Jan 2023 2:20 pm
Operator : VOA104:MKS
Sample : I8260STD4PPB
Misc : WG1735258
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 19 13:48:43 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.040	59	26947	3.578	ug/L	#	66
27) Vinyl acetate	4.092	43	13191M1	2.948	ug/L		
28) cis-1,2-Dichloroethene	4.339	96	13952	4.448	ug/L		94
29) 2,2-Dichloropropane	4.422	77	19462	5.129	ug/L		94
30) Bromochloromethane	4.522	128	6372	4.562	ug/L	#	79
31) Cyclohexane	4.506	56	28156	5.649	ug/L		88
32) Chloroform	4.595	83	23360	4.806	ug/L		97
33) Ethyl acetate	4.727	43	5760	3.312	ug/L	#	83
34) Carbon tetrachloride	4.706	117	16415	5.264	ug/L		99
35) Tetrahydrofuran	4.742	42	2980	4.641	ug/L	#	71
37) 1,1,1-Trichloroethane	4.774	97	18777	5.132	ug/L		98
39) 2-Butanone	4.905	43	1650	2.477	ug/L		93
40) 1,1-Dichloropropene	4.900	75	13675	4.510	ug/L		97
41) Benzene	5.130	78	38911	4.079	ug/L		95
42) tert-Amyl methyl ether	5.235	73	19578	3.870	ug/L		98
44) 1,2-Dichloroethane	5.340	62	14848	4.519	ug/L		98
47) Methyl cyclohexane	5.686	83	17012	4.871	ug/L		84
48) Trichloroethene	5.717	95	10902	4.345	ug/L		95
50) Dibromomethane	6.158	93	6488	4.446	ug/L		96
51) 1,2-Dichloropropane	6.247	63	12118	3.984	ug/L		95
53) 2-Chloroethyl vinyl ether	6.965	63	3452	2.819	ug/L	#	78
54) Bromodichloromethane	6.326	83	15335	4.339	ug/L		99
57) 1,4-Dioxane	6.541	88	4772	208.999	ug/L	#	88
58) cis-1,3-Dichloropropene	7.007	75	14722	3.674	ug/L		91
61) Toluene	7.254	92	27140	4.102	ug/L		99
62) 4-Methyl-2-pentanone	7.705	58	2393	3.088	ug/L	#	64
63) Tetrachloroethene	7.694	166	12456	4.371	ug/L		96
65) trans-1,3-Dichloropropene	7.762	75	11723	3.112	ug/L		97
67) Ethyl methacrylate	7.951	69	8962	3.671	ug/L		95
68) 1,1,2-Trichloroethane	7.935	83	6364	3.530	ug/L		96
69) Chlorodibromomethane	8.134	129	9569	3.493	ug/L		98
70) 1,3-Dichloropropane	8.245	76	12695	3.526	ug/L		99
71) 1,2-Dibromoethane	8.407	107	7212	3.345	ug/L		98
72) 2-Hexanone	8.732	43	5753M1	3.800	ug/L		
73) Chlorobenzene	9.036	112	33286	4.152	ug/L		94
74) Ethylbenzene	9.078	91	58027	4.555	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.120	131	9864	3.616	ug/L		92
76) p/m Xylene	9.267	106	46679	9.334	ug/L		94
77) o Xylene	9.807	106	44053	9.115	ug/L		95
78) Styrene	9.886	104	69643	8.869	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A09.D
Acq On : 18 Jan 2023 2:20 pm
Operator : VOA104:MKS
Sample : I8260STD4PPB
Misc : WG1735258
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 19 13:48:43 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Bromoform	9.912	173	6445	3.340	ug/L	97
82) Isopropylbenzene	10.216	105	60822	4.364	ug/L	99
84) Bromobenzene	10.677	156	15130	3.721	ug/L	98
85) n-Propylbenzene	10.725	91	75173	4.385	ug/L	97
86) 1,4-Dichlorobutane	10.756	55	17779	3.694	ug/L	93
87) 1,1,2,2-Tetrachloroethane	10.840	83	11737	3.717	ug/L	99
88) 4-Ethyltoluene	10.861	105	60057	4.170	ug/L	98
89) 2-Chlorotoluene	10.898	91	44490M1	4.252	ug/L	
90) 1,3,5-Trimethylbenzene	10.961	105	50256	4.160	ug/L	98
91) 1,2,3-Trichloropropane	10.976	75	8384	3.850	ug/L	95
92) trans-1,4-Dichloro-2-b...	11.044	53	3199	3.236	ug/L	83
93) 4-Chlorotoluene	11.092	91	42806	3.924	ug/L	97
94) tert-Butylbenzene	11.312	119	44909	4.386	ug/L	98
97) 1,2,4-Trimethylbenzene	11.396	105	49209	4.014	ug/L	99
98) sec-Butylbenzene	11.506	105	70345	4.642	ug/L	99
99) p-Isopropyltoluene	11.674	119	57811	4.342	ug/L	98
100) 1,3-Dichlorobenzene	11.742	146	29789	3.865	ug/L	98
101) 1,4-Dichlorobenzene	11.836	146	32434	4.228	ug/L	99
102) p-Diethylbenzene	12.056	119	34429	4.231	ug/L	99
103) n-Butylbenzene	12.114	91	52339	4.413	ug/L	99
104) 1,2-Dichlorobenzene	12.266	146	28424	3.936	ug/L	100
105) 1,2,4,5-Tetramethylben...	12.864	119	51648	3.839	ug/L	100
106) 1,2-Dibromo-3-chloropr...	13.063	155	1972	3.756	ug/L	97
107) 1,3,5-Trichlorobenzene	13.089	180	22909	3.912	ug/L	99
108) Hexachlorobutadiene	13.671	225	12076	4.508	ug/L	99
109) 1,2,4-Trichlorobenzene	13.697	180	19670	3.782	ug/L	99
110) Naphthalene	13.991	128	37331	3.808	ug/L	100
111) 1,2,3-Trichlorobenzene	14.159	180	17404	3.808	ug/L	98

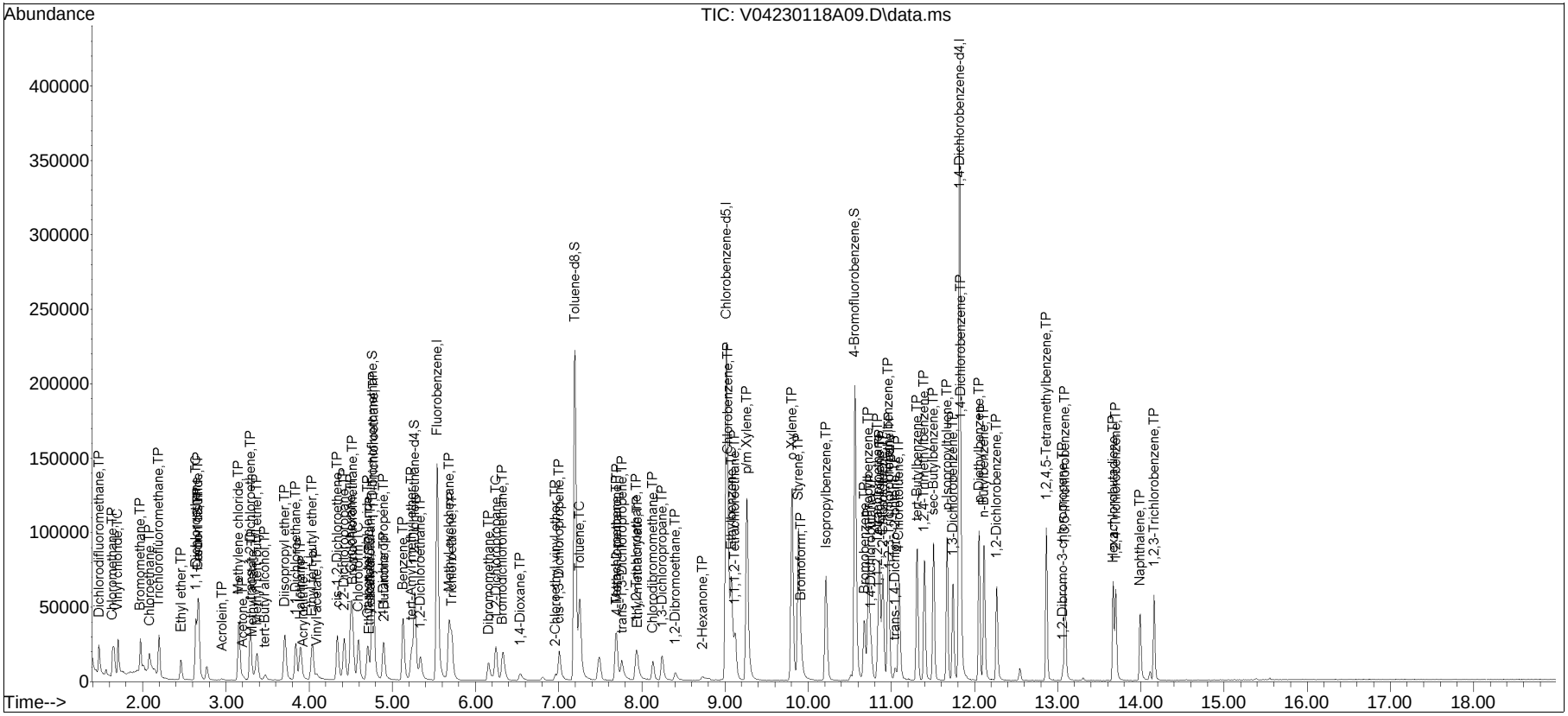
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A09.D
Acq On : 18 Jan 2023 2:20 pm
Operator : VOA104:MKS
Sample : I8260STD4PPB
Misc : WG1735258
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 19 13:48:43 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

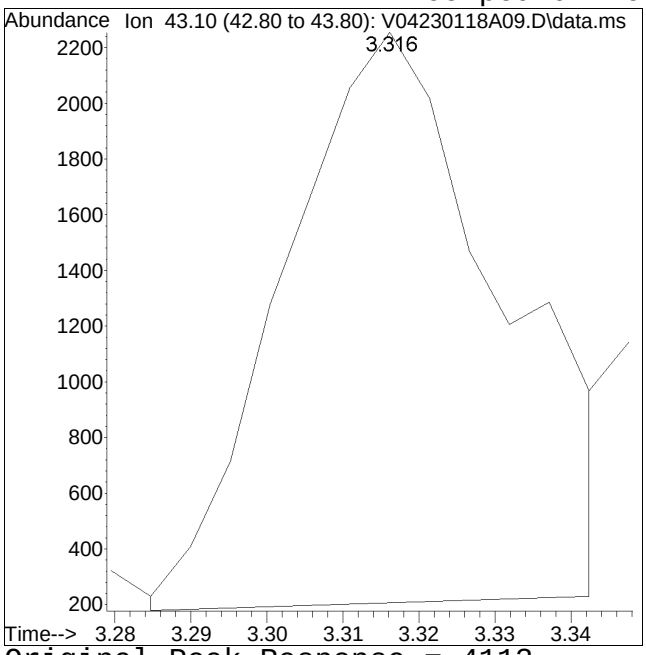
Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V04230118A11.D•

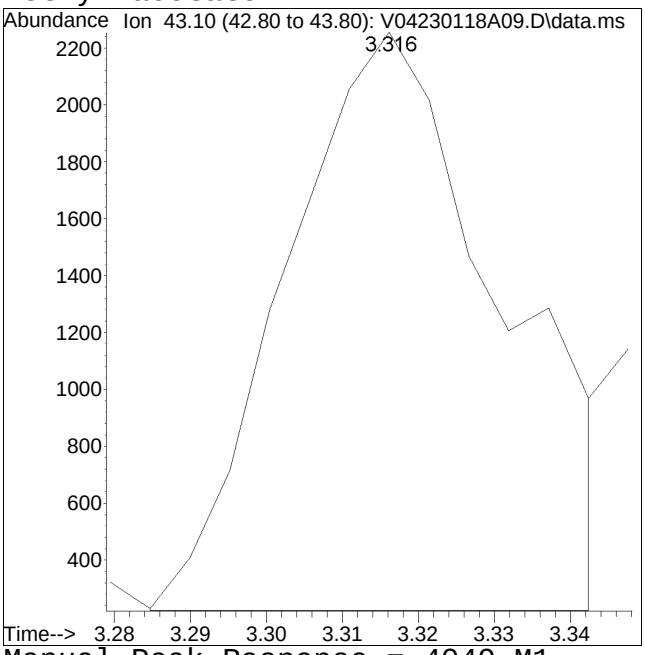


Manual Integration Report

Data Path : I:\VOLATILES\VOA104\2023\2QMethod : V104_230118A_8260.m
Data File : V04230118A09.D Operator : VOA104:MKS
Date Inj'd : 1/18/2023 2:20 pm Instrument : VOA104
Sample : I8260STD4PPB Quant Date : 1/19/2023 1:36 pm

Compound #19: Methyl acetate



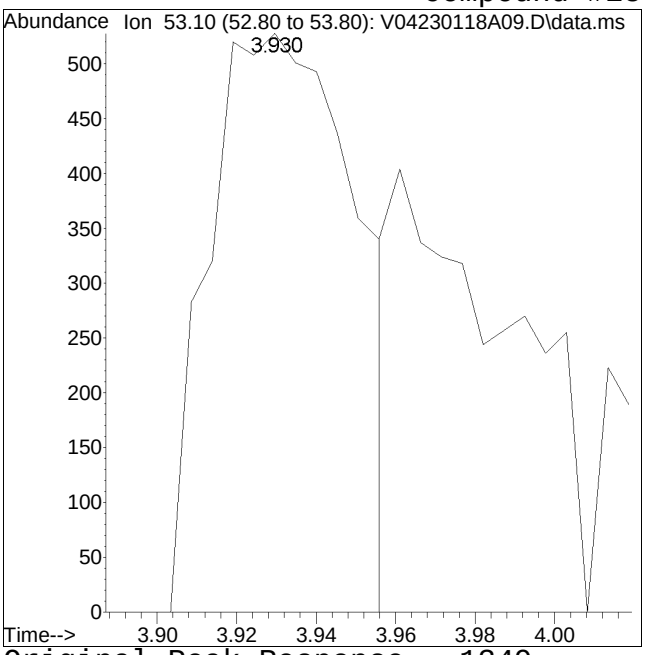


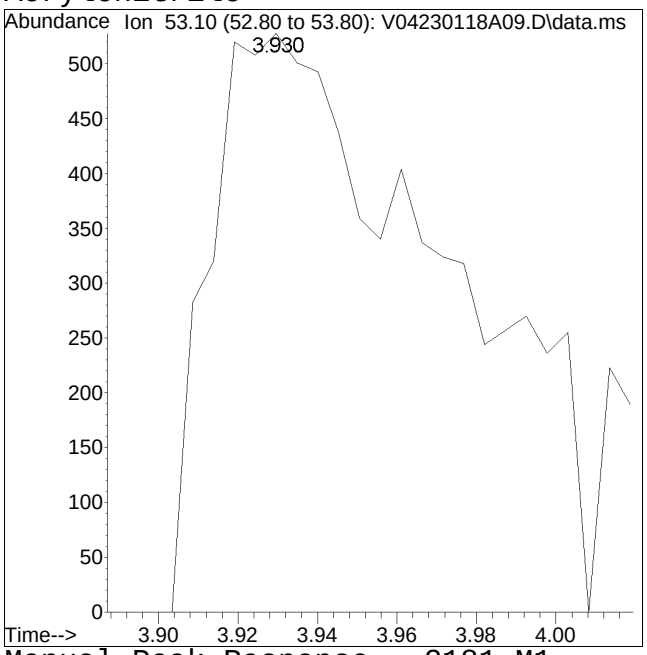
Original Peak Response = 4113 Manual Peak Response = 4049 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA104\2023\2QMethod : V104_230118A_8260.m
Data File : V04230118A09.D Operator : VOA104:MKS
Date Inj'd : 1/18/2023 2:20 pm Instrument : VOA104
Sample : I8260STD4PPB Quant Date : 1/19/2023 1:36 pm

Compound #25: Acrylonitrile





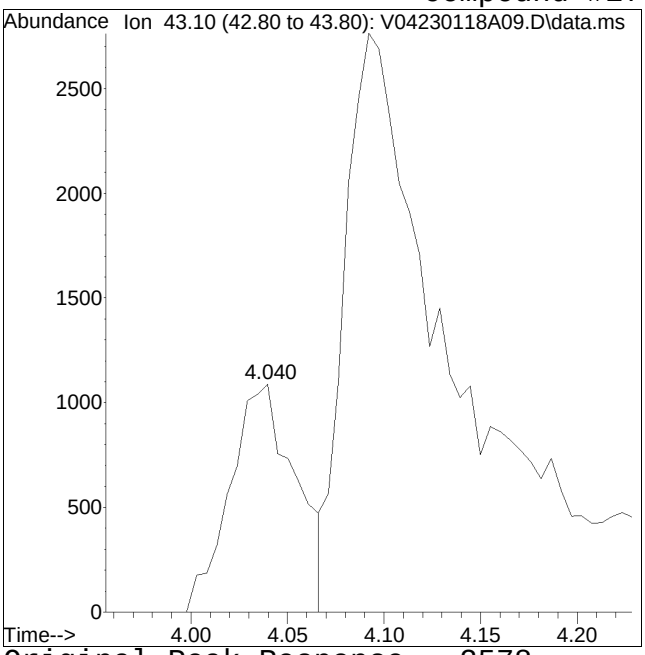
Original Peak Response = 1349 Manual Peak Response = 2181 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

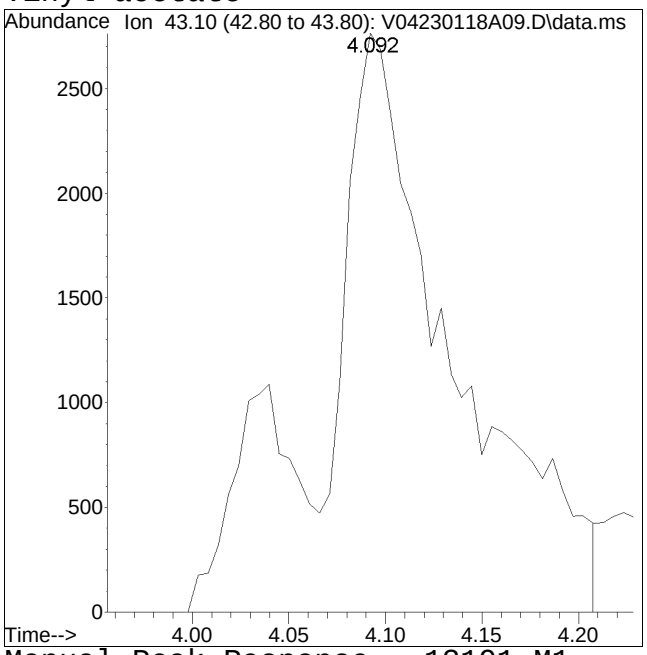
Data Path : I:\VOLATILES\VOA104\2023\2Q
Data File : V04230118A09.D
Date Inj'd : 1/18/2023 2:20 pm
Sample : I8260STD4PPB

Method : V104_230118A_8260.m
Operator : VOA104:MKS
Instrument : VOA104
Quant Date : 1/19/2023 1:36 pm

Compound #27: Vinyl acetate



Original Peak Response = 2578



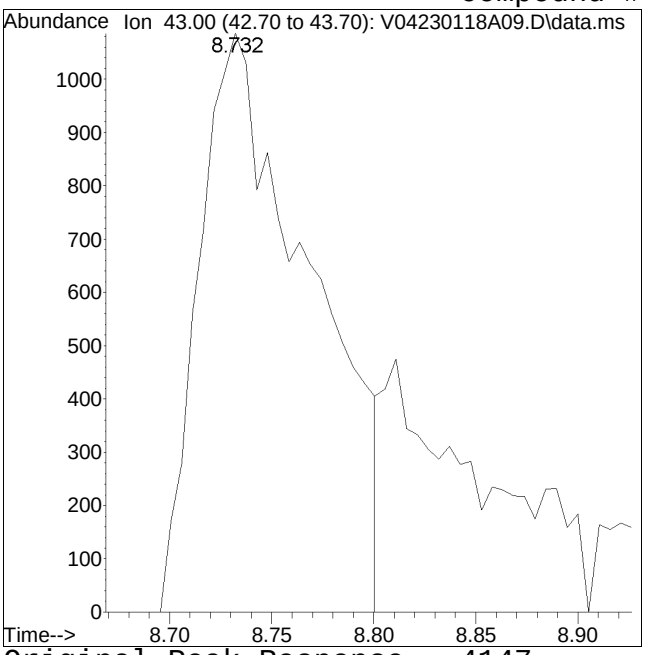
Manual Peak Response = 13191 M1

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

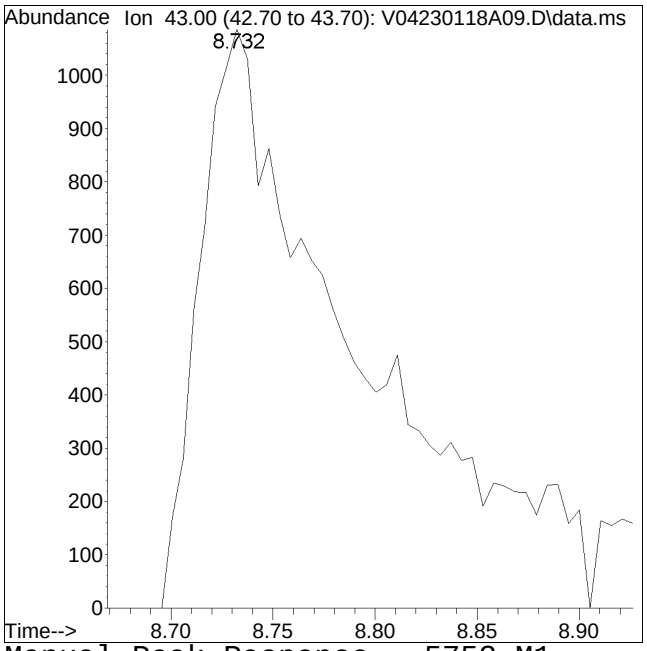
Manual Integration Report

Data Path : I:\VOLATILES\VOA104\2023\2QMethod : V104_230118A_8260.m
Data File : V04230118A09.D Operator : VOA104:MKS
Date Inj'd : 1/18/2023 2:20 pm Instrument : VOA104
Sample : I8260STD4PPB Quant Date : 1/19/2023 1:36 pm

Compound #72: 2-Hexanone



Original Peak Response = 4147



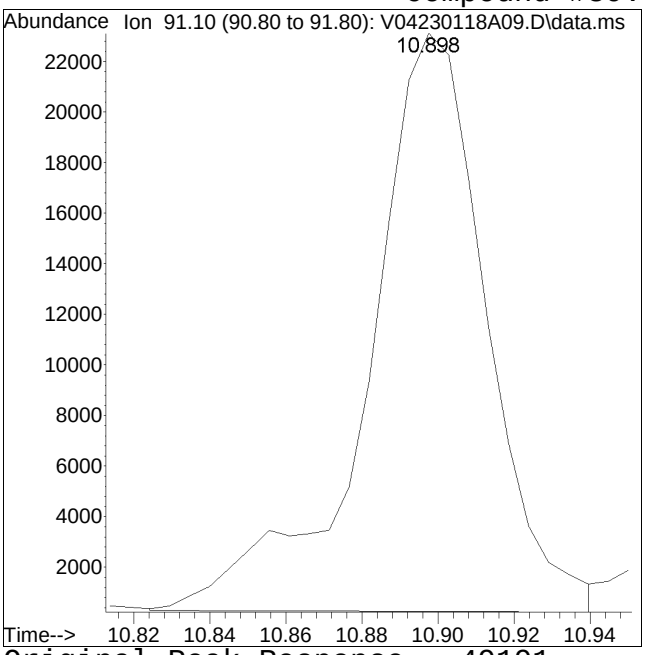
Manual Peak Response = 5753 M1

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

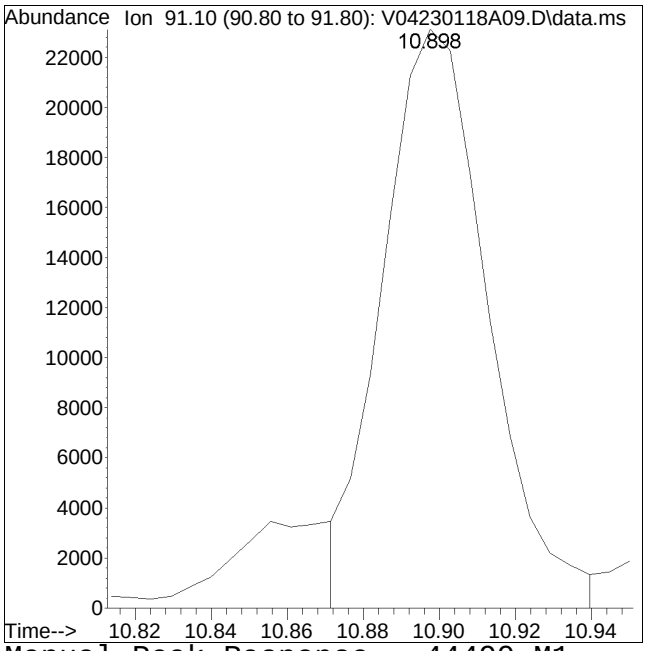
Manual Integration Report

Data Path : I:\VOLATILES\VOA104\2023\2QMethod : V104_230118A_8260.m
Data File : V04230118A09.D Operator : VOA104:MKS
Date Inj'd : 1/18/2023 2:20 pm Instrument : VOA104
Sample : I8260STD4PPB Quant Date : 1/19/2023 1:36 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 49191



Manual Peak Response = 44490 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A10.D
Acq On : 18 Jan 2023 2:46 pm
Operator : VOA104:MKS
Sample : I8260STD20PPB
Misc : WG1735258
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 19 13:49:35 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.539	96	156033	20.000	ug/L	0.00
Standard Area 1 = 163401			Recovery = 95.49%			
59) Chlorobenzene-d5	9.015	117	148085	20.000	ug/L	0.00
Standard Area 1 = 143598			Recovery = 103.12%			
79) 1,4-Dichlorobenzene-d4	11.815	152	89264	20.000	ug/L	0.00
Standard Area 1 = 82449			Recovery = 108.27%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.763	113	53651	21.640	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 108.20%			
43) 1,2-Dichloroethane-d4	5.267	65	41100	21.282	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 106.41%			
60) Toluene-d8	7.191	98	179293	19.662	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.31%			
83) 4-Bromofluorobenzene	10.562	95	77042	19.699	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.471	85	50425	18.018	ug/L	97
3) Chloromethane	1.638	50	106901	19.592	ug/L	98
4) Vinyl chloride	1.701	62	71118	19.007	ug/L	97
5) Bromomethane	1.974	94	40751	19.783	ug/L	98
6) Chloroethane	2.079	64	36135	20.125	ug/L	100
7) Trichlorofluoromethane	2.194	101	72535	18.459	ug/L	99
8) Ethyl ether	2.456	74	18307	19.023	ug/L	82
10) 1,1-Dichloroethene	2.635	96	48009	18.852	ug/L	96
11) Carbon disulfide	2.666	76	111218	19.631	ug/L	99
12) Freon-113	2.666	101	44293	18.081	ug/L	87
14) Acrolein	2.944	56	5654	18.615	ug/L	95
15) Methylene chloride	3.154	84	65021	19.763	ug/L	81
17) Acetone	3.201	43	9952	16.547	ug/L	92
18) trans-1,2-Dichloroethene	3.290	96	53907	18.912	ug/L	95
19) Methyl acetate	3.306	43	22076	17.751	ug/L	94
20) Methyl tert-butyl ether	3.374	73	82812	17.618	ug/L	92
21) tert-Butyl alcohol	3.468	59	20215	94.503	ug/L	95
22) Diisopropyl ether	3.709	45	167898	17.162	ug/L	93
23) 1,1-Dichloroethane	3.835	63	121249	19.792	ug/L	98
24) Halothane	3.898	117	38137	18.968	ug/L	98
25) Acrylonitrile	3.909	53	12447	18.390	ug/L	97

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A10.D
Acq On : 18 Jan 2023 2:46 pm
Operator : VOA104:MKS
Sample : I8260STD20PPB
Misc : WG1735258
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 19 13:49:35 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.034	59	132855	17.098	ug/L	#	63
27) Vinyl acetate	4.071	43	76901M1	16.657	ug/L		
28) cis-1,2-Dichloroethene	4.333	96	60005	18.540	ug/L		94
29) 2,2-Dichloropropane	4.422	77	74621	19.059	ug/L		95
30) Bromochloromethane	4.522	128	28900	20.055	ug/L	#	80
31) Cyclohexane	4.501	56	94367	18.349	ug/L		86
32) Chloroform	4.595	83	99455	19.830	ug/L		98
33) Ethyl acetate	4.706	43	29935	16.684	ug/L		99
34) Carbon tetrachloride	4.706	117	59621	18.530	ug/L		100
35) Tetrahydrofuran	4.737	42	14067	21.233	ug/L	#	81
37) 1,1,1-Trichloroethane	4.768	97	70615	18.707	ug/L		98
39) 2-Butanone	4.884	43	12992	18.904	ug/L		99
40) 1,1-Dichloropropene	4.889	75	55356	17.695	ug/L		98
41) Benzene	5.125	78	180348	18.326	ug/L		96
42) tert-Amyl methyl ether	5.230	73	92400	17.702	ug/L		99
44) 1,2-Dichloroethane	5.335	62	63633	18.769	ug/L		98
47) Methyl cyclohexane	5.686	83	61592	17.094	ug/L		86
48) Trichloroethene	5.712	95	47283	18.265	ug/L		96
50) Dibromomethane	6.153	93	29469	19.571	ug/L		95
51) 1,2-Dichloropropane	6.242	63	58187	18.543	ug/L		96
53) 2-Chloroethyl vinyl ether	6.944	63	20462	16.196	ug/L		90
54) Bromodichloromethane	6.320	83	68056	18.665	ug/L		97
57) 1,4-Dioxane	6.530	88	25372	1077.020	ug/L	#	85
58) cis-1,3-Dichloropropene	7.002	75	72745	17.597	ug/L		93
61) Toluene	7.248	92	116704	17.842	ug/L		100
62) 4-Methyl-2-pentanone	7.699	58	12882	16.816	ug/L	#	79
63) Tetrachloroethene	7.689	166	48643	17.267	ug/L		99
65) trans-1,3-Dichloropropene	7.747	75	60730	16.309	ug/L		98
67) Ethyl methacrylate	7.935	69	42607	17.657	ug/L		100
68) 1,1,2-Trichloroethane	7.925	83	29990	16.829	ug/L		97
69) Chlorodibromomethane	8.129	129	46343	17.112	ug/L		99
70) 1,3-Dichloropropane	8.239	76	60302	16.943	ug/L		100
71) 1,2-Dibromoethane	8.397	107	35470	16.643	ug/L		98
72) 2-Hexanone	8.711	43	25459	17.013	ug/L		93
73) Chlorobenzene	9.036	112	143504	18.106	ug/L		98
74) Ethylbenzene	9.073	91	234350	18.611	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.125	131	45866	17.011	ug/L		99
76) p/m Xylene	9.262	106	183529	37.123	ug/L		96
77) o Xylene	9.802	106	179405	37.552	ug/L		97
78) Styrene	9.880	104	287562	37.045	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A10.D
Acq On : 18 Jan 2023 2:46 pm
Operator : VOA104:MKS
Sample : I8260STD20PPB
Misc : WG1735258
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 19 13:49:35 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Bromoform	9.907	173	29497	16.889	ug/L	99
82) Isopropylbenzene	10.211	105	224335	17.785	ug/L	99
84) Bromobenzene	10.672	156	64336	17.482	ug/L	99
85) n-Propylbenzene	10.719	91	278465	17.947	ug/L	99
86) 1,4-Dichlorobutane	10.751	55	76907	17.656	ug/L	96
87) 1,1,2,2-Tetrachloroethane	10.835	83	49743	17.404	ug/L	100
88) 4-Ethyltoluene	10.856	105	235724	18.084	ug/L	99
89) 2-Chlorotoluene	10.892	91	172095	18.171	ug/L	99
90) 1,3,5-Trimethylbenzene	10.961	105	195425	17.874	ug/L	98
91) 1,2,3-Trichloropropane	10.971	75	35293	17.905	ug/L	95
92) trans-1,4-Dichloro-2-b...	11.034	53	15523	17.349	ug/L	94
93) 4-Chlorotoluene	11.086	91	181931	18.427	ug/L	100
94) tert-Butylbenzene	11.312	119	164489	17.751	ug/L	99
97) 1,2,4-Trimethylbenzene	11.396	105	198575	17.896	ug/L	99
98) sec-Butylbenzene	11.506	105	247467	18.043	ug/L	99
99) p-Isopropyltoluene	11.668	119	219721	18.233	ug/L	99
100) 1,3-Dichlorobenzene	11.736	146	126551	18.142	ug/L	99
101) 1,4-Dichlorobenzene	11.831	146	128862	18.559	ug/L	99
102) p-Diethylbenzene	12.056	119	134440	18.255	ug/L	99
103) n-Butylbenzene	12.114	91	195685	18.227	ug/L	99
104) 1,2-Dichlorobenzene	12.266	146	118599	18.145	ug/L	99
105) 1,2,4,5-Tetramethylben...	12.864	119	218333	17.929	ug/L	100
106) 1,2-Dibromo-3-chloropr...	13.063	155	8278	17.420	ug/L	96
107) 1,3,5-Trichlorobenzene	13.089	180	97395	18.375	ug/L	100
108) Hexachlorobutadiene	13.666	225	43357	17.882	ug/L	99
109) 1,2,4-Trichlorobenzene	13.697	180	85278	18.113	ug/L	99
110) Naphthalene	13.986	128	156626	17.651	ug/L	100
111) 1,2,3-Trichlorobenzene	14.159	180	74594	18.034	ug/L	100

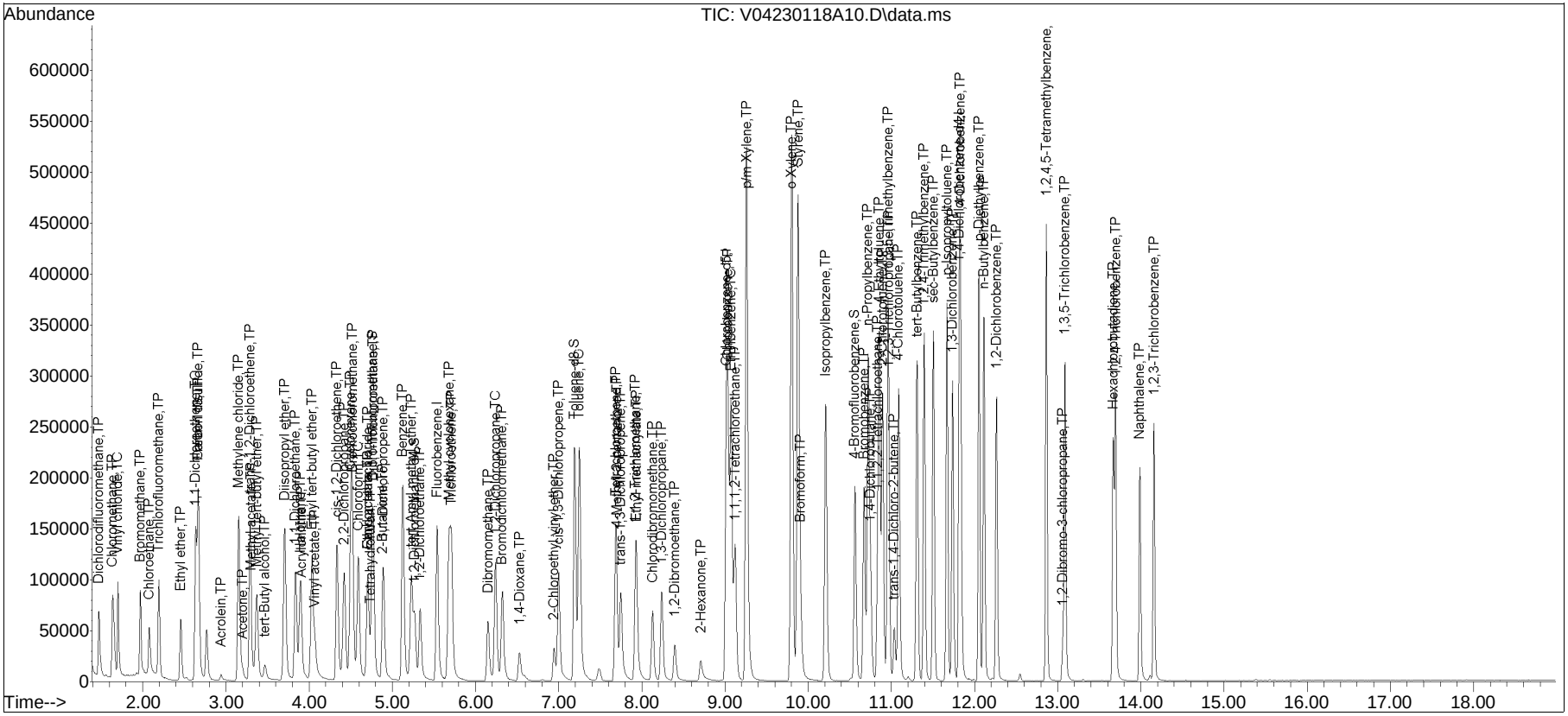
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A10.D
Acq On : 18 Jan 2023 2:46 pm
Operator : VOA104:MKS
Sample : I8260STD20PPB
Misc : WG1735258
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 19 13:49:35 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

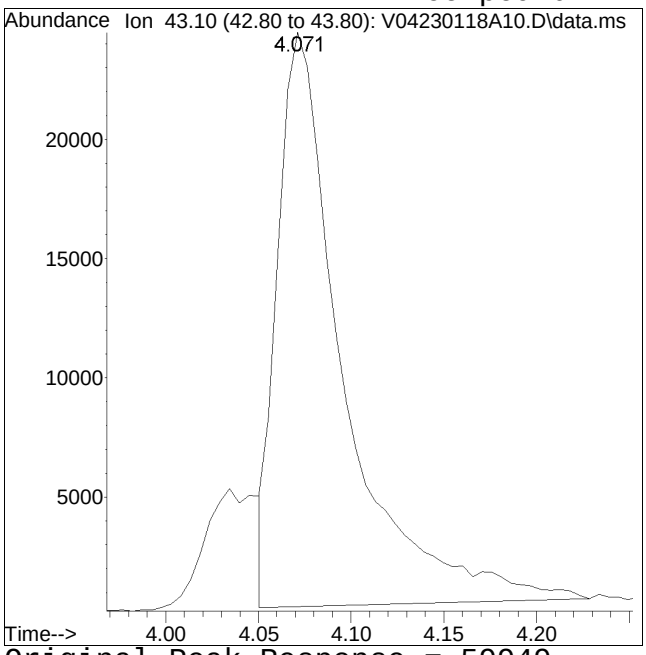
Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V04230118A11.D•

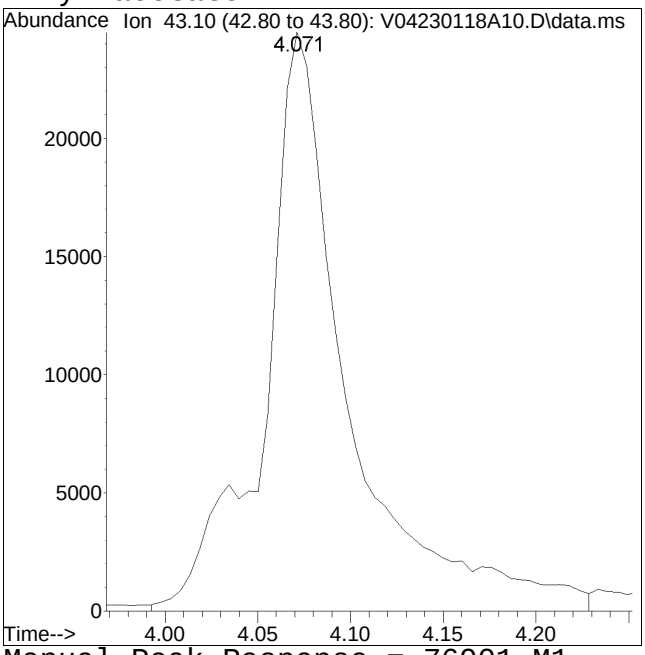


Manual Integration Report

Data Path : I:\VOLATILES\VOA104\2023\2QMethod : V104_230118A_8260.m
Data File : V04230118A10.D Operator : VOA104:MKS
Date Inj'd : 1/18/2023 2:46 pm Instrument : VOA104
Sample : I8260STD20PPB Quant Date : 1/19/2023 1:36 pm

Compound #27: Vinyl acetate





Original Peak Response = 59949 Manual Peak Response = 76901 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A11.D
Acq On : 18 Jan 2023 3:12 pm
Operator : VOA104:MKS
Sample : I8260STD40PPB
Misc : WG1735258
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 19 13:34:52 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 10 09:20:34 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.539	96	163401	20.000	ug/L	0.00
Standard Area 1 = 163401			Recovery = 100.00%			
59) Chlorobenzene-d5	9.015	117	143598	20.000	ug/L	0.00
Standard Area 1 = 143598			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	11.815	152	82449	20.000	ug/L	0.00
Standard Area 1 = 82449			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.763	113	51927	18.554	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.77%			
43) 1,2-Dichloroethane-d4	5.267	65	40449	18.098	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 90.49%			
60) Toluene-d8	7.196	98	176849	20.368	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.84%			
83) 4-Bromofluorobenzene	10.562	95	72248	20.271	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.35%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.476	85	117231	36.513	ug/L	99
3) Chloromethane	1.638	50	228559	58.860	ug/L	98
4) Vinyl chloride	1.701	62	156734	40.819	ug/L	97
5) Bromomethane	1.974	94	86287	37.865	ug/L	97
6) Chloroethane	2.079	64	75214	29.945	ug/L	94
7) Trichlorofluoromethane	2.194	101	164603	30.288	ug/L	100
8) Ethyl ether	2.456	74	40312	36.005	ug/L	82
10) 1,1-Dichloroethene	2.640	96	106675	34.166	ug/L	96
11) Carbon disulfide	2.666	76	237316	39.090	ug/L	100
12) Freon-113	2.666	101	102615	31.576	ug/L	79
14) Acrolein	2.939	56	12723	41.952	ug/L	88
15) Methylene chloride	3.154	84	137813	42.290	ug/L	81
17) Acetone	3.196	43	25193	50.820	ug/L	99
18) trans-1,2-Dichloroethene	3.290	96	119398	36.352	ug/L	96
19) Methyl acetate	3.300	43	52095	49.933	ug/L	95
20) Methyl tert-butyl ether	3.374	73	196892	36.904	ug/L	95
21) tert-Butyl alcohol	3.468	59	44802	230.394	ug/L	95
22) Diisopropyl ether	3.704	45	409806	51.080	ug/L	93
23) 1,1-Dichloroethane	3.835	63	256613	41.698	ug/L	98
24) Halothane	3.898	117	84222	33.042	ug/L	100
25) Acrylonitrile	3.898	53	28352	53.600	ug/L	95

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A11.D
Acq On : 18 Jan 2023 3:12 pm
Operator : VOA104:MKS
Sample : I8260STD40PPB
Misc : WG1735258
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 19 13:34:52 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 10 09:20:34 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.035	59	325493	45.038	ug/L		97
27) Vinyl acetate	4.066	43	193394	49.134	ug/L		96
28) cis-1,2-Dichloroethene	4.333	96	135572	36.962	ug/L		99
29) 2,2-Dichloropropane	4.423	77	164005	30.356	ug/L		96
30) Bromochloromethane	4.522	128	60364	36.561	ug/L	#	80
31) Cyclohexane	4.501	56	215426	42.894	ug/L		86
32) Chloroform	4.590	83	210091	33.843	ug/L		98
33) Ethyl acetate	4.700	43	75159	50.874	ug/L	#	97
34) Carbon tetrachloride	4.706	117	134780	28.699	ug/L		100
35) Tetrahydrofuran	4.732	42	27752M1	58.163	ug/L		
37) 1,1,1-Trichloroethane	4.769	97	158123	31.090	ug/L		99
39) 2-Butanone	4.879	43	28788	43.359	ug/L		90
40) 1,1-Dichloropropene	4.889	75	131042	35.362	ug/L		99
41) Benzene	5.125	78	412242	37.492	ug/L		95
42) tert-Amyl methyl ether	5.230	73	218645	35.602	ug/L		98
44) 1,2-Dichloroethane	5.335	62	142016	37.707	ug/L		99
47) Methyl cyclohexane	5.686	83	150929	30.833	ug/L		85
48) Trichloroethene	5.712	95	108441	33.400	ug/L		98
50) Dibromomethane	6.147	93	63073	34.323	ug/L		98
51) 1,2-Dichloropropane	6.242	63	131448	44.567	ug/L		95
53) 2-Chloroethyl vinyl ether	6.939	63	52922	41.092	ug/L		92
54) Bromodichloromethane	6.320	83	152731	33.017	ug/L		99
57) 1,4-Dioxane	6.530	88	49340	2268.661	ug/L	#	86
58) cis-1,3-Dichloropropene	6.997	75	173163	39.035	ug/L		96
61) Toluene	7.248	92	253709	35.763	ug/L		100
62) 4-Methyl-2-pentanone	7.694	58	29713	50.203	ug/L		86
63) Tetrachloroethene	7.689	166	109269	34.097	ug/L		100
65) trans-1,3-Dichloropropene	7.747	75	144434	33.987	ug/L		96
67) Ethyl methacrylate	7.930	69	93598	39.603	ug/L		96
68) 1,1,2-Trichloroethane	7.925	83	69120	35.381	ug/L		97
69) Chlorodibromomethane	8.129	129	105048	35.028	ug/L		100
70) 1,3-Dichloropropane	8.239	76	138052	38.651	ug/L		99
71) 1,2-Dibromoethane	8.391	107	82666	34.854	ug/L		99
72) 2-Hexanone	8.701	43	58044	48.916	ug/L		94
73) Chlorobenzene	9.036	112	307429	37.367	ug/L		98
74) Ethylbenzene	9.073	91	488426	34.797	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.120	131	104584	36.010	ug/L		99
76) p/m Xylene	9.257	106	383521	72.316	ug/L		97
77) o Xylene	9.802	106	370623	73.171	ug/L		98
78) Styrene	9.875	104	602181	73.176	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A11.D
Acq On : 18 Jan 2023 3:12 pm
Operator : VOA104:MKS
Sample : I8260STD40PPB
Misc : WG1735258
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 19 13:34:52 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 10 09:20:34 2022
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Bromoform	9.907	173	64528	33.936	ug/L	100
82) Isopropylbenzene	10.211	105	466018	33.880	ug/L	99
84) Bromobenzene	10.672	156	135969	36.983	ug/L	98
85) n-Propylbenzene	10.719	91	573252	33.874	ug/L	99
86) 1,4-Dichlorobutane	10.746	55	160932	49.248	ug/L	95
87) 1,1,2,2-Tetrachloroethane	10.835	83	105595	36.399	ug/L	100
88) 4-Ethyltoluene	10.856	105	481602	35.188	ug/L	100
89) 2-Chlorotoluene	10.892	91	349911	35.892	ug/L	99
90) 1,3,5-Trimethylbenzene	10.961	105	403952	33.310	ug/L	99
91) 1,2,3-Trichloropropane	10.971	75	72824	35.397	ug/L	96
92) trans-1,4-Dichloro-2-b...	11.034	53	33057	41.476	ug/L	96
93) 4-Chlorotoluene	11.086	91	364780	36.278	ug/L	100
94) tert-Butylbenzene	11.307	119	342368	33.311	ug/L	100
97) 1,2,4-Trimethylbenzene	11.396	105	409965	33.667	ug/L	99
98) sec-Butylbenzene	11.506	105	506741	32.490	ug/L	99
99) p-Isopropyltoluene	11.668	119	445236	32.914	ug/L	99
100) 1,3-Dichlorobenzene	11.737	146	257726	36.901	ug/L	100
101) 1,4-Dichlorobenzene	11.831	146	256524	35.591	ug/L	99
102) p-Diethylbenzene	12.051	119	272095	33.104	ug/L	99
103) n-Butylbenzene	12.114	91	396647	32.125	ug/L	99
104) 1,2-Dichlorobenzene	12.266	146	241493	36.523	ug/L	99
105) 1,2,4,5-Tetramethylben...	12.864	119	449907	33.360	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.063	155	17557	35.994	ug/L	99
107) 1,3,5-Trichlorobenzene	13.089	180	195830	33.211	ug/L	99
108) Hexachlorobutadiene	13.666	225	89582	29.330	ug/L	100
109) 1,2,4-Trichlorobenzene	13.692	180	173944	33.787	ug/L	100
110) Naphthalene	13.986	128	327842	34.436	ug/L	100
111) 1,2,3-Trichlorobenzene	14.159	180	152824	33.808	ug/L	99

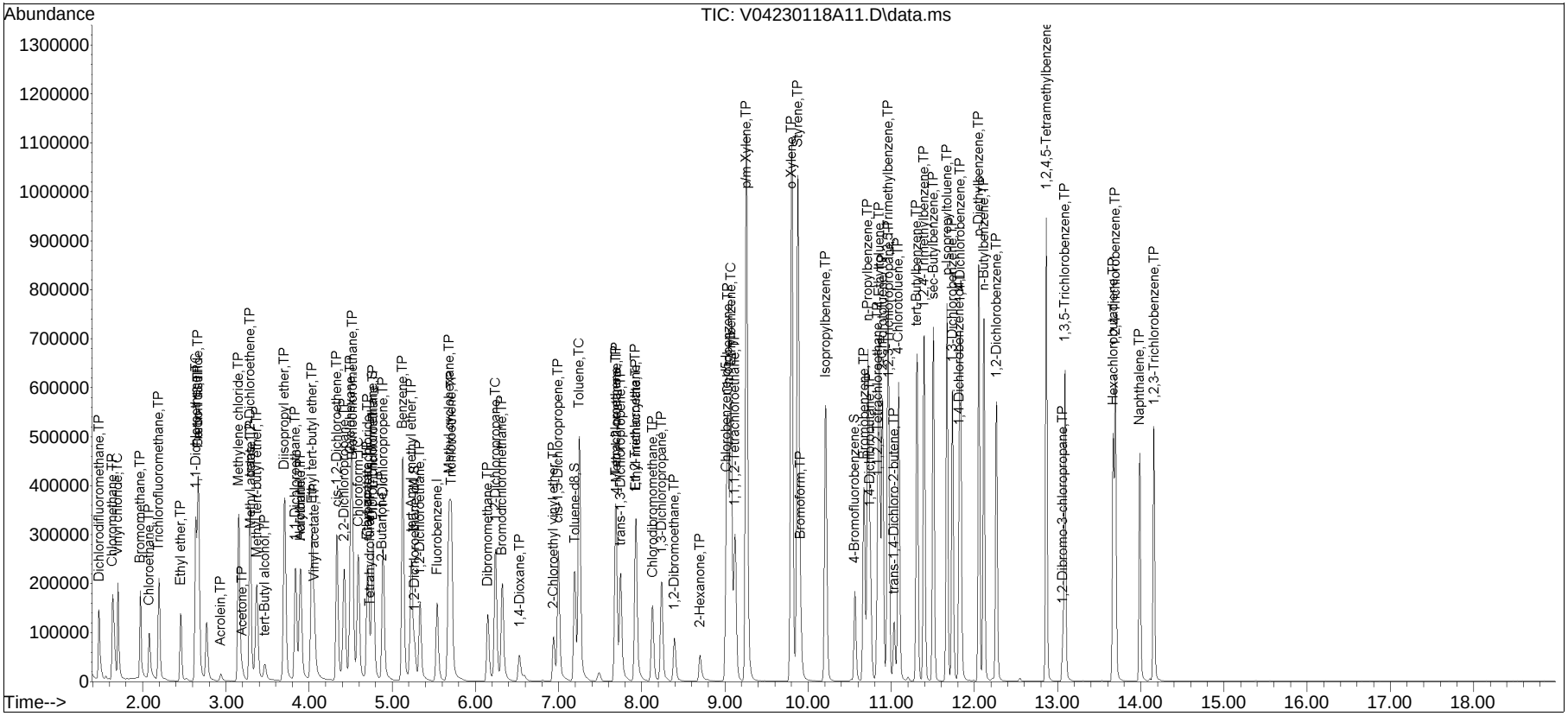
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A11.D
Acq On : 18 Jan 2023 3:12 pm
Operator : VOA104:MKS
Sample : I8260STD40PPB
Misc : WG1735258
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 19 13:34:52 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 10 09:20:34 2022
Response via : Initial Calibration

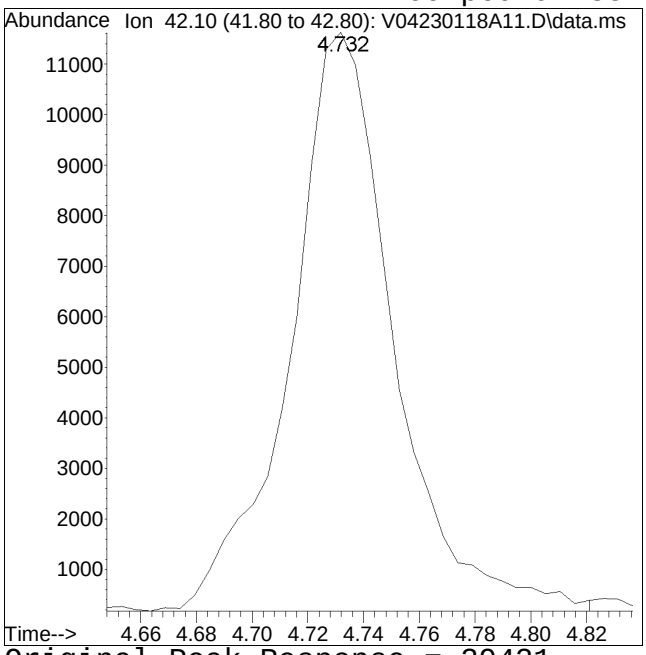
Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V04230118A11.D•



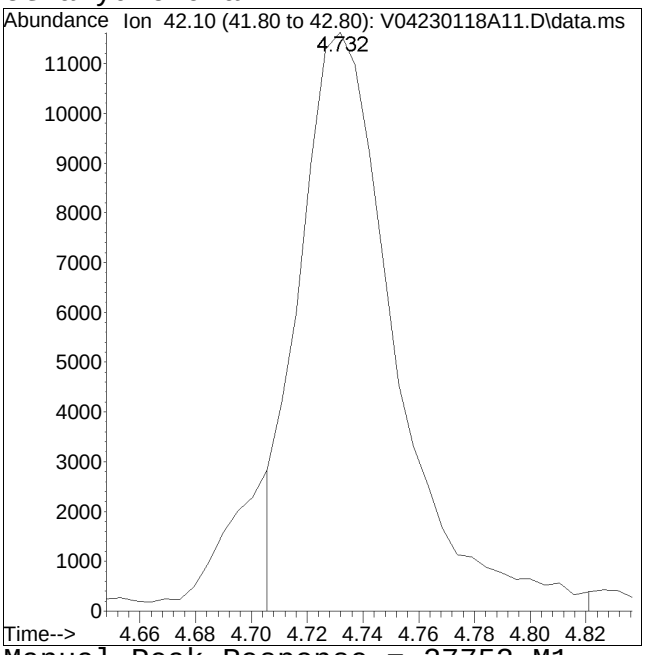
Manual Integration Report

Data Path : I:\VOLATILES\VOA104\2023\2QMethod : V104_230118A_8260.m
Data File : V04230118A11.D Operator : VOA104:MKS
Date Inj'd : 1/18/2023 3:12 pm Instrument : VOA104
Sample : I8260STD40PPB Quant Date : 1/19/2023 1:34 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 29421



Manual Peak Response = 27752 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A12.D
Acq On : 18 Jan 2023 3:38 pm
Operator : VOA104:MKS
Sample : I8260STD100PPB
Misc : WG1735258
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 19 13:50:36 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.539	96	167991	20.000	ug/L	0.00
Standard Area 1 = 163401			Recovery = 102.81%			
59) Chlorobenzene-d5	9.016	117	140031	20.000	ug/L	0.00
Standard Area 1 = 143598			Recovery = 97.52%			
79) 1,4-Dichlorobenzene-d4	11.815	152	78212	20.000	ug/L	0.00
Standard Area 1 = 82449			Recovery = 94.86%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.763	113	50409	18.885	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 94.42%			
43) 1,2-Dichloroethane-d4	5.267	65	40446	19.452	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.26%			
60) Toluene-d8	7.191	98	172774	20.037	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.18%			
83) 4-Bromofluorobenzene	10.562	95	68383	19.956	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.78%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.476	85	395870	131.383	ug/L	98
3) Chloromethane	1.639	50	667625	113.648	ug/L	99
4) Vinyl chloride	1.701	62	493231	122.438	ug/L	97
5) Bromomethane	1.974	94	242189	109.204	ug/L	97
6) Chloroethane	2.079	64	218287	112.917	ug/L	94
7) Trichlorofluoromethane	2.194	101	546002	129.058	ug/L	99
8) Ethyl ether	2.456	74	115956	111.915	ug/L	83
10) 1,1-Dichloroethene	2.635	96	336100	122.584	ug/L	97
11) Carbon disulfide	2.666	76	712881	116.874	ug/L	100
12) Freon-113	2.666	101	359235	136.206	ug/L #	66
14) Acrolein	2.939	56	37665	115.180	ug/L	99
15) Methylene chloride	3.154	84	363957	102.752	ug/L	81
17) Acetone	3.191	43	69276	106.987	ug/L	96
18) trans-1,2-Dichloroethene	3.290	96	347209	113.142	ug/L	95
19) Methyl acetate	3.295	43	152026	113.540	ug/L	94
20) Methyl tert-butyl ether	3.369	73	565761	111.798	ug/L	95
21) tert-Butyl alcohol	3.468	59	119922	520.715	ug/L	96
22) Diisopropyl ether	3.704	45	1218368	115.672	ug/L	93
23) 1,1-Dichloroethane	3.835	63	717573	108.797	ug/L	98
24) Halothane	3.893	117	262533	121.279	ug/L	99
25) Acrylonitrile	3.893	53	80047	109.847	ug/L	94

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A12.D
Acq On : 18 Jan 2023 3:38 pm
Operator : VOA104:MKS
Sample : I8260STD100PPB
Misc : WG1735258
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 19 13:50:36 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
26) Ethyl tert-butyl ether	4.035	59	977495	116.843 ug/L	96
27) Vinyl acetate	4.061	43	565080	113.683 ug/L	97
28) cis-1,2-Dichloroethene	4.333	96	357213	102.515 ug/L	96
29) 2,2-Dichloropropane	4.423	77	516774	122.595 ug/L	97
30) Bromochloromethane	4.522	128	158803	102.355 ug/L #	80
31) Cyclohexane	4.507	56	756168	136.568 ug/L	86
32) Chloroform	4.590	83	562476	104.166 ug/L	97
33) Ethyl acetate	4.695	43	223919	115.915 ug/L	97
34) Carbon tetrachloride	4.706	117	447535	129.190 ug/L	100
35) Tetrahydrofuran	4.727	42	71520M4	100.268 ug/L	
37) 1,1,1-Trichloroethane	4.769	97	483482	118.964 ug/L	99
39) 2-Butanone	4.874	43	96678	130.661 ug/L	92
40) 1,1-Dichloropropene	4.889	75	437010	129.751 ug/L	98
41) Benzene	5.125	78	1227456	115.846 ug/L	95
42) tert-Amyl methyl ether	5.230	73	654011	116.379 ug/L	99
44) 1,2-Dichloroethane	5.335	62	385445	105.598 ug/L	99
47) Methyl cyclohexane	5.686	83	579367	149.352 ug/L	86
48) Trichloroethene	5.707	95	345743	124.048 ug/L	98
50) Dibromomethane	6.148	93	175242	108.099 ug/L	97
51) 1,2-Dichloropropane	6.242	63	380510	112.627 ug/L	96
53) 2-Chloroethyl vinyl ether	6.934	63	161282	118.571 ug/L	88
54) Bromodichloromethane	6.321	83	421588	107.396 ug/L	99
57) 1,4-Dioxane	6.525	88	117195	4620.709 ug/L #	85
58) cis-1,3-Dichloropropene	6.997	75	501855	112.759 ug/L	96
61) Toluene	7.249	92	743588	120.221 ug/L	100
62) 4-Methyl-2-pentanone	7.689	58	83768	115.642 ug/L	89
63) Tetrachloroethene	7.684	166	362543	136.096 ug/L	99
65) trans-1,3-Dichloropropene	7.741	75	414224	117.639 ug/L	96
67) Ethyl methacrylate	7.930	69	255655	112.040 ug/L	95
68) 1,1,2-Trichloroethane	7.925	83	194006	115.132 ug/L	97
69) Chlorodibromomethane	8.129	129	302302	118.042 ug/L	100
70) 1,3-Dichloropropane	8.240	76	389588	115.757 ug/L	100
71) 1,2-Dibromoethane	8.392	107	234570	116.394 ug/L	99
72) 2-Hexanone	8.696	43	165763	117.142 ug/L	95
73) Chlorobenzene	9.031	112	864763	115.382 ug/L	98
74) Ethylbenzene	9.073	91	1433684	120.403 ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.120	131	302617	118.689 ug/L	99
76) p/m Xylene	9.257	106	1079825	230.982 ug/L	97
77) o Xylene	9.802	106	1012528	224.124 ug/L	96
78) Styrene	9.875	104	1592062	216.894 ug/L	97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A12.D
Acq On : 18 Jan 2023 3:38 pm
Operator : VOA104:MKS
Sample : I8260STD100PPB
Misc : WG1735258
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 19 13:50:36 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Bromoform	9.907	173	175736	114.838	ug/L	99
82) Isopropylbenzene	10.211	105	1410765	127.651	ug/L	100
84) Bromobenzene	10.672	156	371411	115.183	ug/L	98
85) n-Propylbenzene	10.720	91	1719331	126.470	ug/L	98
86) 1,4-Dichlorobutane	10.746	55	421676	110.486	ug/L	95
87) 1,1,2,2-Tetrachloroethane	10.835	83	274270	109.523	ug/L	99
88) 4-Ethyltoluene	10.856	105	1414386	123.837	ug/L	100
89) 2-Chlorotoluene	10.893	91	970636	116.969	ug/L	100
90) 1,3,5-Trimethylbenzene	10.961	105	1193194	124.553	ug/L	99
91) 1,2,3-Trichloropropane	10.971	75	196107	113.551	ug/L	95
92) trans-1,4-Dichloro-2-b...	11.029	53	80883	103.173	ug/L	87
93) 4-Chlorotoluene	11.087	91	1014049	117.220	ug/L	100
94) tert-Butylbenzene	11.307	119	1046039	128.833	ug/L	99
97) 1,2,4-Trimethylbenzene	11.396	105	1188518	122.245	ug/L	100
98) sec-Butylbenzene	11.506	105	1594758	132.703	ug/L	99
99) p-Isopropyltoluene	11.669	119	1386925	131.351	ug/L	99
100) 1,3-Dichlorobenzene	11.731	146	709028	116.005	ug/L	100
101) 1,4-Dichlorobenzene	11.831	146	710776	116.836	ug/L	100
102) p-Diethylbenzene	12.051	119	852654	132.137	ug/L	99
103) n-Butylbenzene	12.114	91	1255194	133.438	ug/L	99
104) 1,2-Dichlorobenzene	12.261	146	656698	114.666	ug/L	99
105) 1,2,4,5-Tetramethylben...	12.864	119	1332869	124.921	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.058	155	49895	119.834	ug/L	98
107) 1,3,5-Trichlorobenzene	13.084	180	579346	124.747	ug/L	100
108) Hexachlorobutadiene	13.666	225	302374	142.330	ug/L	100
109) 1,2,4-Trichlorobenzene	13.692	180	495221	120.050	ug/L	99
110) Naphthalene	13.986	128	909769	117.014	ug/L	100
111) 1,2,3-Trichlorobenzene	14.154	180	428374	118.196	ug/L	99

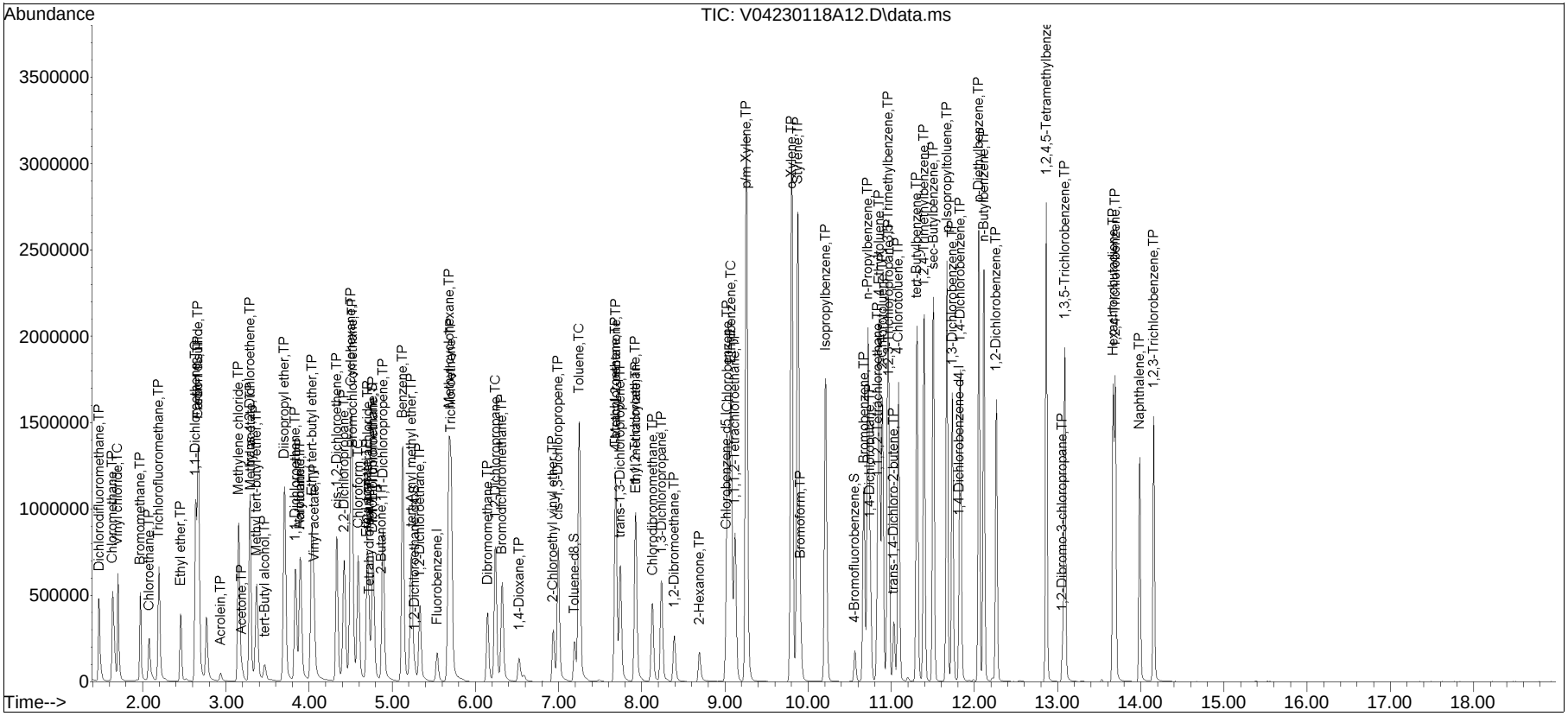
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A12.D
Acq On : 18 Jan 2023 3:38 pm
Operator : VOA104:MKS
Sample : I8260STD100PPB
Misc : WG1735258
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 19 13:50:36 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

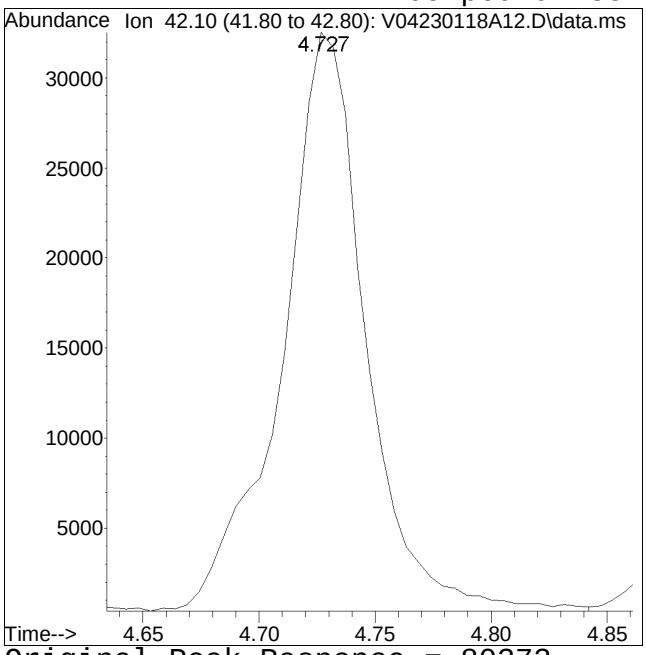
Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V04230118A11.D•



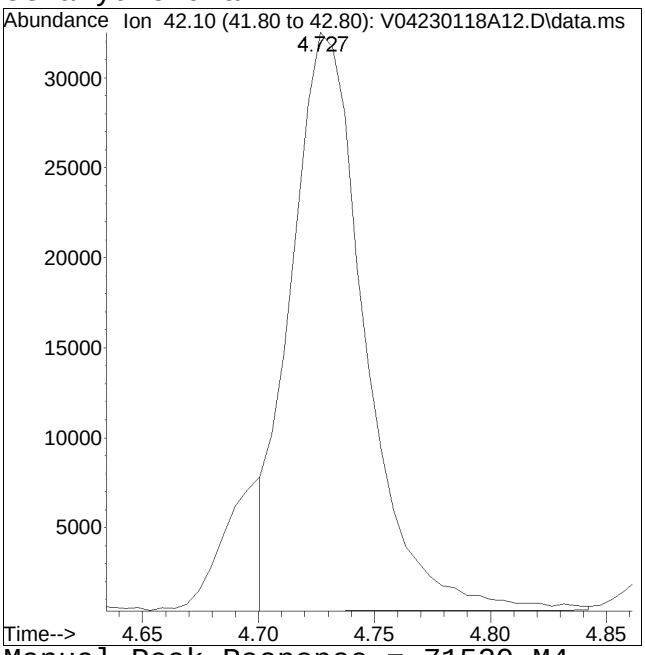
Manual Integration Report

Data Path : I:\VOLATILES\VOA104\2023\2QMethod : V104_230118A_8260.m
Data File : V04230118A12.D Operator : VOA104:MKS
Date Inj'd : 1/18/2023 3:38 pm Instrument : VOA104
Sample : I8260STD100PPB Quant Date : 1/19/2023 1:36 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 80373



Manual Peak Response = 71520 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A13.D
Acq On : 18 Jan 2023 4:04 pm
Operator : VOA104:MKS
Sample : I8260STD200PPB
Misc : WG1735258
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 19 13:51:38 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.539	96	175941	20.000	ug/L	0.00
Standard Area 1 = 163401			Recovery = 107.67%			
59) Chlorobenzene-d5	9.015	117	144601	20.000	ug/L	0.00
Standard Area 1 = 143598			Recovery = 100.70%			
79) 1,4-Dichlorobenzene-d4	11.815	152	80162	20.000	ug/L	0.00
Standard Area 1 = 82449			Recovery = 97.23%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.763	113	51094	18.277	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.39%			
43) 1,2-Dichloroethane-d4	5.267	65	43466	19.960	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.80%			
60) Toluene-d8	7.191	98	180150	20.232	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.16%			
83) 4-Bromofluorobenzene	10.562	95	70883	20.182	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.91%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.471	85	862043	273.171	ug/L	98
3) Chloromethane	1.638	50	1383946	224.941	ug/L	98
4) Vinyl chloride	1.701	62	1049805	248.824	ug/L	97
5) Bromomethane	1.969	94	504700	217.288	ug/L	98
6) Chloroethane	2.068	64	400635	197.878	ug/L	95
7) Trichlorofluoromethane	2.194	101	1157419	261.216	ug/L	100
8) Ethyl ether	2.456	74	250704	231.033	ug/L	86
10) 1,1-Dichloroethene	2.635	96	705582	245.715	ug/L	96
11) Carbon disulfide	2.666	76	1444281	226.085	ug/L	99
12) Freon-113	2.666	101	767505	277.855	ug/L #	62
14) Acrolein	2.933	56	84824	247.672	ug/L	100
15) Methylene chloride	3.154	84	727629	196.141	ug/L	81
17) Acetone	3.190	43	150707	222.229	ug/L	96
18) trans-1,2-Dichloroethene	3.290	96	715280	222.550	ug/L	94
19) Methyl acetate	3.295	43	338513	241.394	ug/L	95
20) Methyl tert-butyl ether	3.369	73	1228655	231.819	ug/L	96
21) tert-Butyl alcohol	3.468	59	269266	1116.354	ug/L	94
22) Diisopropyl ether	3.704	45	2590755	234.853	ug/L	94
23) 1,1-Dichloroethane	3.835	63	1470128	212.826	ug/L	98
24) Halothane	3.893	117	568460	250.739	ug/L	99
25) Acrylonitrile	3.893	53	172815	226.436	ug/L	96

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A13.D
Acq On : 18 Jan 2023 4:04 pm
Operator : VOA104:MKS
Sample : I8260STD200PPB
Misc : WG1735258
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 19 13:51:38 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.035	59	2106421	240.409	ug/L		96
27) Vinyl acetate	4.061	43	1217019	233.777	ug/L		97
28) cis-1,2-Dichloroethene	4.333	96	736395	201.785	ug/L		95
29) 2,2-Dichloropropane	4.423	77	1085391	245.854	ug/L		98
30) Bromochloromethane	4.522	128	315279	194.028	ug/L	#	81
31) Cyclohexane	4.506	56	1611409	277.879	ug/L		86
32) Chloroform	4.590	83	1163009	205.647	ug/L		98
33) Ethyl acetate	4.690	43	499203	246.742	ug/L		97
34) Carbon tetrachloride	4.706	117	980421	270.231	ug/L		100
35) Tetrahydrofuran	4.727	42	157410M1	210.710	ug/L		
37) 1,1,1-Trichloroethane	4.769	97	1038860	244.067	ug/L		99
39) 2-Butanone	4.868	43	226217	291.918	ug/L		99
40) 1,1-Dichloropropene	4.889	75	945763	268.114	ug/L		99
41) Benzene	5.125	78	2567280	231.350	ug/L		95
42) tert-Amyl methyl ether	5.230	73	1438236	244.365	ug/L		100
44) 1,2-Dichloroethane	5.335	62	813857	212.892	ug/L		99
47) Methyl cyclohexane	5.686	83	1274412	313.679	ug/L		87
48) Trichloroethene	5.712	95	728076	249.420	ug/L		98
50) Dibromomethane	6.142	93	375305	221.049	ug/L		97
51) 1,2-Dichloropropane	6.242	63	809621	228.810	ug/L		97
53) 2-Chloroethyl vinyl ether	6.934	63	365752	256.743	ug/L		90
54) Bromodichloromethane	6.320	83	901176	219.195	ug/L		99
57) 1,4-Dioxane	6.525	88	247132	9303.524	ug/L		86
58) cis-1,3-Dichloropropene	6.997	75	1084593	232.680	ug/L		96
61) Toluene	7.248	92	1563689	244.823	ug/L		99
62) 4-Methyl-2-pentanone	7.689	58	184566	246.742	ug/L		91
63) Tetrachloroethene	7.684	166	787701	286.353	ug/L		99
65) trans-1,3-Dichloropropene	7.741	75	889116	244.527	ug/L		97
67) Ethyl methacrylate	7.925	69	535363	227.206	ug/L		93
68) 1,1,2-Trichloroethane	7.925	83	414890	238.433	ug/L		98
69) Chlorodibromomethane	8.129	129	656842	248.376	ug/L		99
70) 1,3-Dichloropropane	8.239	76	840919	241.963	ug/L		100
71) 1,2-Dibromoethane	8.391	107	510965	245.528	ug/L		100
72) 2-Hexanone	8.690	43	360123	246.451	ug/L		96
73) Chlorobenzene	9.036	112	1801396	232.756	ug/L		98
74) Ethylbenzene	9.073	91	2946577	239.638	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.120	131	647852	246.064	ug/L		99
76) p/m Xylene	9.262	106	2178120	451.190	ug/L		97
77) o Xylene	9.802	106	2048392	439.084	ug/L		96
78) Styrene	9.881	104	3192792	421.222	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A13.D
Acq On : 18 Jan 2023 4:04 pm
Operator : VOA104:MKS
Sample : I8260STD200PPB
Misc : WG1735258
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 19 13:51:38 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Bromoform	9.907	173	379546	241.988	ug/L	100
82) Isopropylbenzene	10.211	105	2947304	260.195	ug/L	99
84) Bromobenzene	10.672	156	777355	235.210	ug/L	99
85) n-Propylbenzene	10.719	91	3552155	254.931	ug/L	99
86) 1,4-Dichlorobutane	10.751	55	889633	227.429	ug/L	95
87) 1,1,2,2-Tetrachloroethane	10.835	83	581939	226.731	ug/L	99
88) 4-Ethyltoluene	10.856	105	2904714	248.137	ug/L	100
89) 2-Chlorotoluene	10.898	91	1991973M1	234.209	ug/L	
90) 1,3,5-Trimethylbenzene	10.961	105	2465728	251.126	ug/L	99
91) 1,2,3-Trichloropropane	10.971	75	413034	233.339	ug/L	95
92) trans-1,4-Dichloro-2-b...	11.029	53	179271	223.112	ug/L	87
93) 4-Chlorotoluene	11.086	91	2099126	236.747	ug/L	100
94) tert-Butylbenzene	11.312	119	2201661	264.566	ug/L	99
97) 1,2,4-Trimethylbenzene	11.396	105	2470661	247.938	ug/L	100
98) sec-Butylbenzene	11.506	105	3320671	269.598	ug/L	99
99) p-Isopropyltoluene	11.668	119	2874764	265.637	ug/L	99
100) 1,3-Dichlorobenzene	11.737	146	1465675	233.968	ug/L	100
101) 1,4-Dichlorobenzene	11.831	146	1474286	236.445	ug/L	100
102) p-Diethylbenzene	12.056	119	1775813	268.506	ug/L	99
103) n-Butylbenzene	12.114	91	2592097	268.859	ug/L	99
104) 1,2-Dichlorobenzene	12.261	146	1363730	232.328	ug/L	99
105) 1,2,4,5-Tetramethylben...	12.864	119	2726170	249.291	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.063	155	107672	252.307	ug/L	100
107) 1,3,5-Trichlorobenzene	13.089	180	1172877	246.405	ug/L	99
108) Hexachlorobutadiene	13.671	225	623351	286.279	ug/L	100
109) 1,2,4-Trichlorobenzene	13.692	180	995336	235.417	ug/L	99
110) Naphthalene	13.986	128	1903930	238.926	ug/L	100
111) 1,2,3-Trichlorobenzene	14.154	180	884367	238.077	ug/L	99

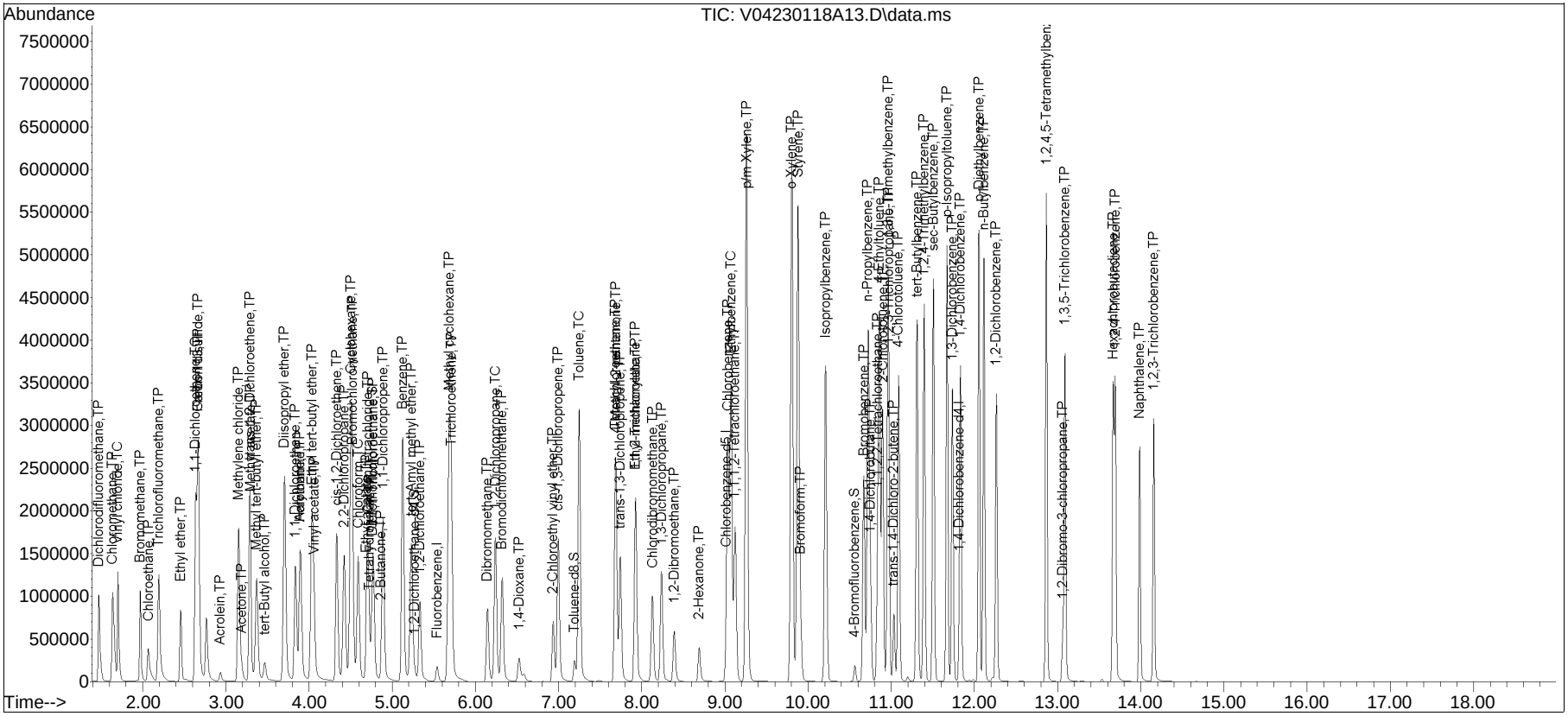
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A13.D
Acq On : 18 Jan 2023 4:04 pm
Operator : VOA104:MKS
Sample : I8260STD200PPB
Misc : WG1735258
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 19 13:51:38 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

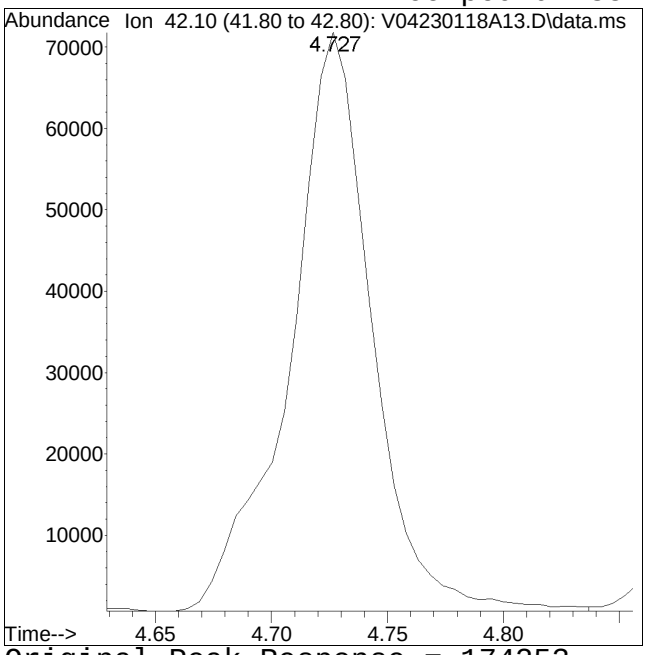
Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V04230118A11.D•

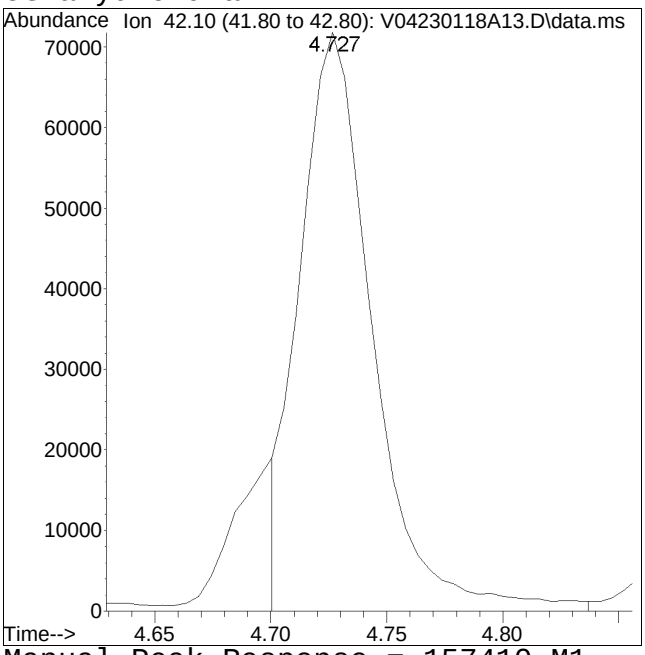


Manual Integration Report

Data Path : I:\VOLATILES\VOA104\2023\2QMethod : V104_230118A_8260.m
Data File : V04230118A13.D Operator : VOA104:MKS
Date Inj'd : 1/18/2023 4:04 pm Instrument : VOA104
Sample : I8260STD200PPB Quant Date : 1/19/2023 1:37 pm

Compound #35: Tetrahydrofuran





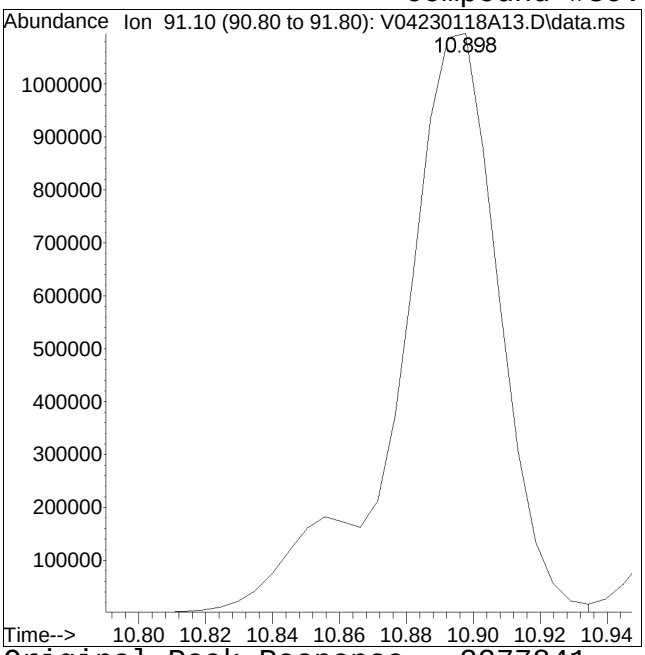
Original Peak Response = 174253 Manual Peak Response = 157410 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

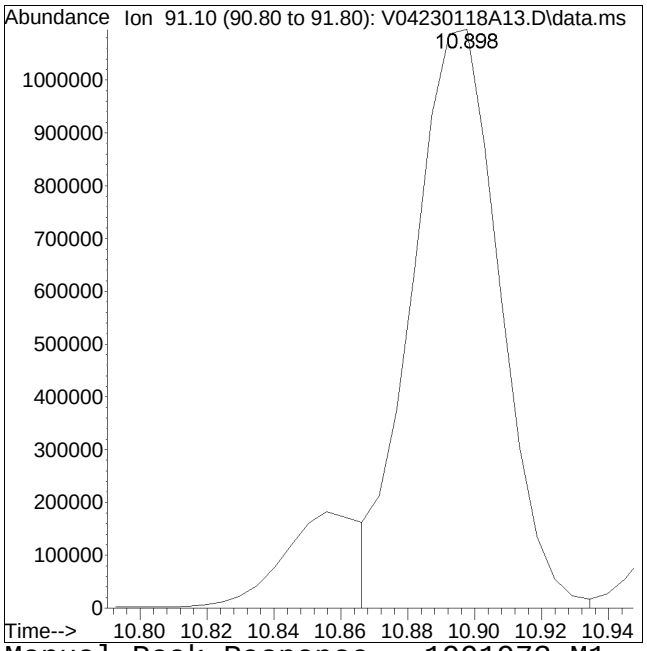
Data Path : I:\VOLATILES\VOA104\2023\2Q
Data File : V04230118A13.D
Date Inj'd : 1/18/2023 4:04 pm
Sample : I8260STD200PPB

Method : V104_230118A_8260.m
Operator : VOA104:MKS
Instrument : VOA104
Quant Date : 1/19/2023 1:37 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 2277841



Manual Peak Response = 1991973 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A14.D
Acq On : 18 Jan 2023 4:30 pm
Operator : VOA104:MKS
Sample : I8260STD300PPB
Misc : WG1735258
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 19 13:52:40 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.539	96	166720	20.000	ug/L	0.00
Standard Area 1 = 163401			Recovery = 102.03%			
59) Chlorobenzene-d5	9.016	117	136646	20.000	ug/L	0.00
Standard Area 1 = 143598			Recovery = 95.16%			
79) 1,4-Dichlorobenzene-d4	11.815	152	75542	20.000	ug/L	0.00
Standard Area 1 = 82449			Recovery = 91.62%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.763	113	48348	18.251	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.26%			
43) 1,2-Dichloroethane-d4	5.267	65	41006	19.872	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.36%			
60) Toluene-d8	7.191	98	167973	19.963	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.82%			
83) 4-Bromofluorobenzene	10.562	95	66550	20.107	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.54%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.471	85	1236178	413.395	ug/L	98
3) Chloromethane	1.639	50	2003035	343.572	ug/L	98
4) Vinyl chloride	1.702	62	1473047	368.452	ug/L	97
5) Bromomethane	1.969	94	709957	322.562	ug/L	97
6) Chloroethane	2.058	64	444623M1	231.750	ug/L	
7) Trichlorofluoromethane	2.189	101	1619748	385.777	ug/L	99
8) Ethyl ether	2.457	74	360887	350.965	ug/L	86
10) 1,1-Dichloroethene	2.635	96	1001758	368.152	ug/L	97
11) Carbon disulfide	2.661	76	2013459	332.616	ug/L	99
12) Freon-113	2.666	101	1072402	409.707	ug/L #	62
14) Acrolein	2.934	56	127766	393.689	ug/L	99
15) Methylene chloride	3.149	84	1032081	293.596	ug/L	82
17) Acetone	3.191	43	207477	322.862	ug/L	96
18) trans-1,2-Dichloroethene	3.285	96	1018409	334.389	ug/L	95
19) Methyl acetate	3.295	43	495211	372.667	ug/L	96
20) Methyl tert-butyl ether	3.369	73	1754203	349.284	ug/L	96
21) tert-Butyl alcohol	3.468	59	393049	1719.675	ug/L	95
22) Diisopropyl ether	3.704	45	3611995	345.538	ug/L	94
23) 1,1-Dichloroethane	3.835	63	2075787	317.125	ug/L	98
24) Halothane	3.893	117	810016	377.047	ug/L	99
25) Acrylonitrile	3.888	53	252590	349.269	ug/L	97

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A14.D
Acq On : 18 Jan 2023 4:30 pm
Operator : VOA104:MKS
Sample : I8260STD300PPB
Misc : WG1735258
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 19 13:52:40 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.035	59	2967314	357.395	ug/L		97
27) Vinyl acetate	4.061	43	1839615	372.916	ug/L		98
28) cis-1,2-Dichloroethene	4.334	96	1046886	302.731	ug/L		95
29) 2,2-Dichloropropane	4.423	77	1506530	360.120	ug/L		98
30) Bromochloromethane	4.517	128	440331	285.975	ug/L	#	81
31) Cyclohexane	4.501	56	2266040	412.379	ug/L		87
32) Chloroform	4.590	83	1646450	307.233	ug/L		98
33) Ethyl acetate	4.690	43	734972	383.369	ug/L		97
34) Carbon tetrachloride	4.706	117	1411601	410.595	ug/L		100
35) Tetrahydrofuran	4.727	42	222236M1	313.940	ug/L		
37) 1,1,1-Trichloroethane	4.769	97	1479772	366.882	ug/L		100
39) 2-Butanone	4.868	43	327745	446.325	ug/L		98
40) 1,1-Dichloropropene	4.889	75	1347799	403.220	ug/L		99
41) Benzene	5.125	78	3654434	347.532	ug/L		96
42) tert-Amyl methyl ether	5.230	73	2045592	366.781	ug/L		100
44) 1,2-Dichloroethane	5.330	62	1167900	322.400	ug/L		99
47) Methyl cyclohexane	5.686	83	1827492	474.690	ug/L		87
48) Trichloroethene	5.707	95	1028786	371.928	ug/L		98
50) Dibromomethane	6.142	93	541418	336.524	ug/L		98
51) 1,2-Dichloropropane	6.242	63	1152725	343.794	ug/L		96
53) 2-Chloroethyl vinyl ether	6.934	63	535809	396.918	ug/L		91
54) Bromodichloromethane	6.321	83	1285073	329.858	ug/L		99
57) 1,4-Dioxane	6.525	88	357809	14215.074	ug/L		86
58) cis-1,3-Dichloropropene	6.997	75	1553311	351.666	ug/L		97
61) Toluene	7.249	92	2209242	366.032	ug/L		99
62) 4-Methyl-2-pentanone	7.689	58	264415	374.068	ug/L		93
63) Tetrachloroethene	7.684	166	1120856	431.186	ug/L		99
65) trans-1,3-Dichloropropene	7.742	75	1269712	369.528	ug/L		98
67) Ethyl methacrylate	7.930	69	750474	337.039	ug/L		92
68) 1,1,2-Trichloroethane	7.920	83	593044	360.657	ug/L		98
69) Chlorodibromomethane	8.130	129	952321	381.072	ug/L		99
70) 1,3-Dichloropropane	8.234	76	1202076	366.017	ug/L		100
71) 1,2-Dibromoethane	8.392	107	737438	374.982	ug/L		100
72) 2-Hexanone	8.691	43	516988	374.399	ug/L		96
73) Chlorobenzene	9.037	112	2563702	350.537	ug/L		98
74) Ethylbenzene	9.073	91	4167240	358.642	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.120	131	924237	371.475	ug/L		99
76) p/m Xylene	9.262	106	3025809	663.275	ug/L		96
77) o Xylene	9.807	106	2876171	652.415	ug/L		97
78) Styrene	9.881	104	4474102	624.626	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A14.D
Acq On : 18 Jan 2023 4:30 pm
Operator : VOA104:MKS
Sample : I8260STD300PPB
Misc : WG1735258
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 19 13:52:40 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Bromoform	9.907	173	550191	372.239	ug/L	99
82) Isopropylbenzene	10.211	105	4225415	395.844	ug/L	99
84) Bromobenzene	10.667	156	1114563	357.867	ug/L	99
85) n-Propylbenzene	10.725	91	5061114	385.441	ug/L	99
86) 1,4-Dichlorobutane	10.751	55	1261693	342.269	ug/L	95
87) 1,1,2,2-Tetrachloroethane	10.835	83	847765	350.501	ug/L	99
88) 4-Ethyltoluene	10.856	105	4151385	376.324	ug/L	99
89) 2-Chlorotoluene	10.898	91	2851545M1	355.778	ug/L	
90) 1,3,5-Trimethylbenzene	10.961	105	3514480	379.829	ug/L	99
91) 1,2,3-Trichloropropane	10.971	75	593104	355.560	ug/L	95
92) trans-1,4-Dichloro-2-b...	11.034	53	262455	346.616	ug/L	87
93) 4-Chlorotoluene	11.092	91	3017091	361.089	ug/L	100
94) tert-Butylbenzene	11.312	119	3153095	402.069	ug/L	99
97) 1,2,4-Trimethylbenzene	11.396	105	3528459	375.747	ug/L	100
98) sec-Butylbenzene	11.506	105	4722986	406.900	ug/L	99
99) p-Isopropyltoluene	11.674	119	4084735	400.526	ug/L	98
100) 1,3-Dichlorobenzene	11.737	146	2084399	353.085	ug/L	100
101) 1,4-Dichlorobenzene	11.836	146	2103074	357.918	ug/L	99
102) p-Diethylbenzene	12.057	119	2542244	407.900	ug/L	99
103) n-Butylbenzene	12.114	91	3679264	404.961	ug/L	98
104) 1,2-Dichlorobenzene	12.266	146	1943156	351.285	ug/L	99
105) 1,2,4,5-Tetramethylben...	12.864	119	3873444	375.865	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.063	155	156624	389.462	ug/L	99
107) 1,3,5-Trichlorobenzene	13.089	180	1669634	372.219	ug/L	100
108) Hexachlorobutadiene	13.671	225	898571	437.914	ug/L	100
109) 1,2,4-Trichlorobenzene	13.692	180	1401433	351.738	ug/L	98
110) Naphthalene	13.986	128	2728291	363.315	ug/L	100
111) 1,2,3-Trichlorobenzene	14.159	180	1246243	356.015	ug/L	99

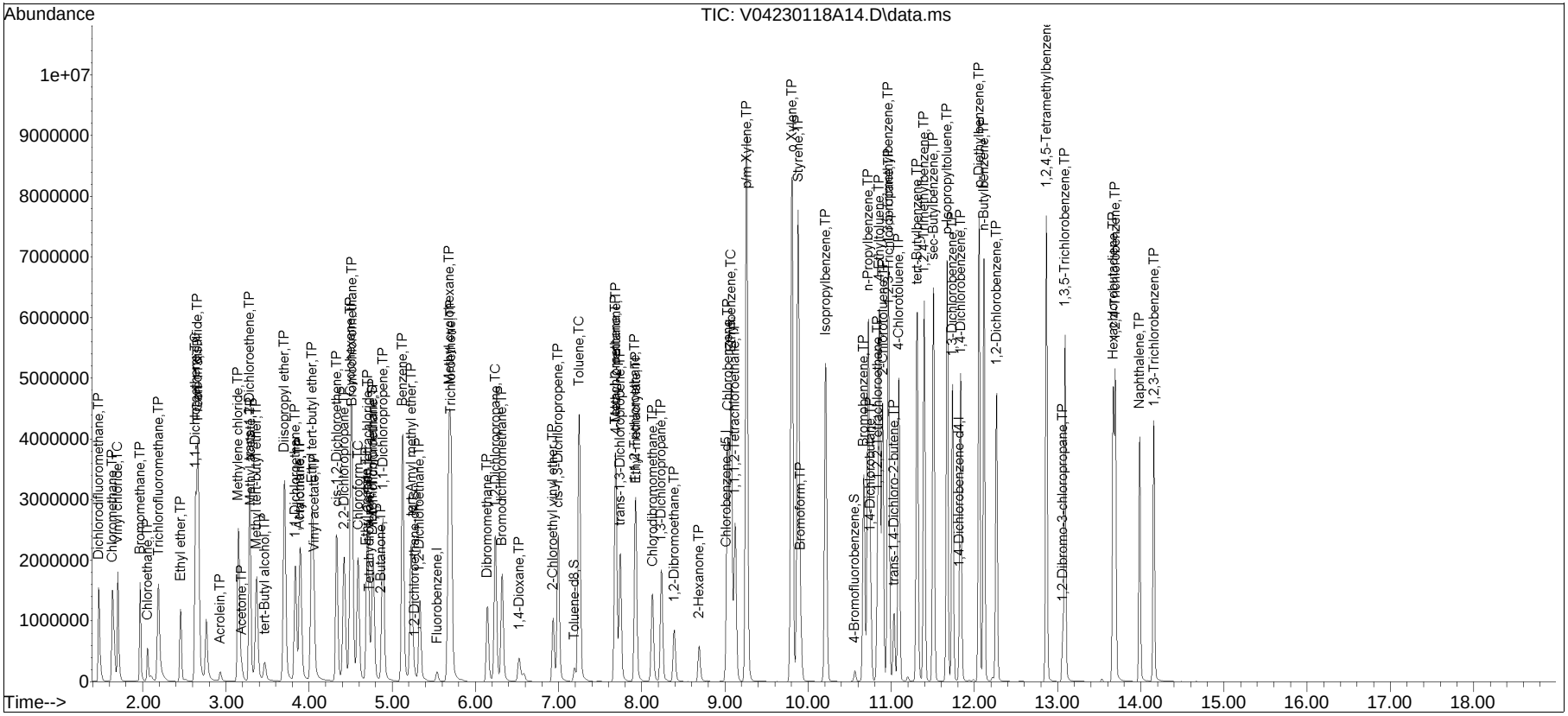
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A14.D
Acq On : 18 Jan 2023 4:30 pm
Operator : VOA104:MKS
Sample : I8260STD300PPB
Misc : WG1735258
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 19 13:52:40 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 13:35:34 2023
Response via : Initial Calibration

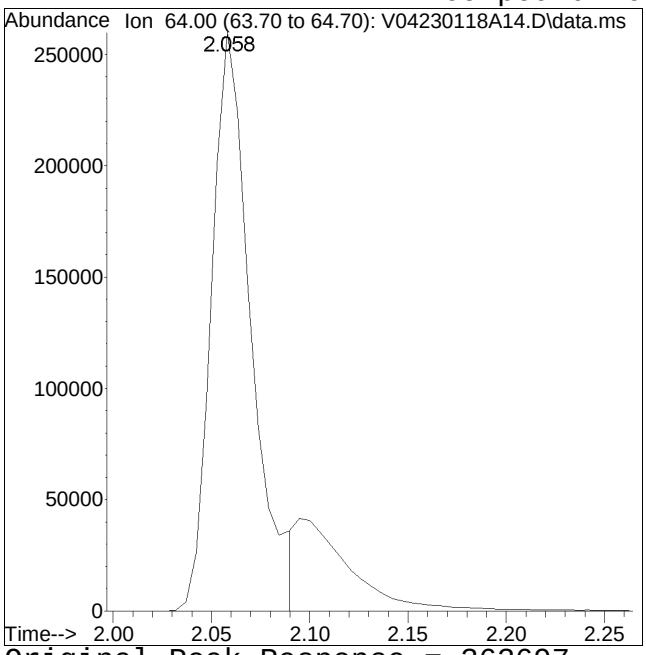
Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V04230118A11.D•

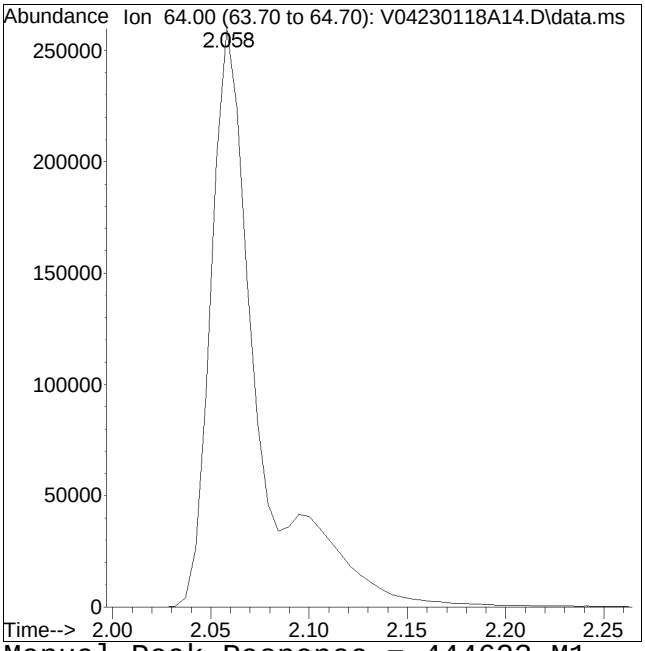


Manual Integration Report

Data Path : I:\VOLATILES\VOA104\2023\2QMethod : V104_230118A_8260.m
Data File : V04230118A14.D Operator : VOA104:MKS
Date Inj'd : 1/18/2023 4:30 pm Instrument : VOA104
Sample : I8260STD300PPB Quant Date : 1/19/2023 1:37 pm

Compound #6: Chloroethane





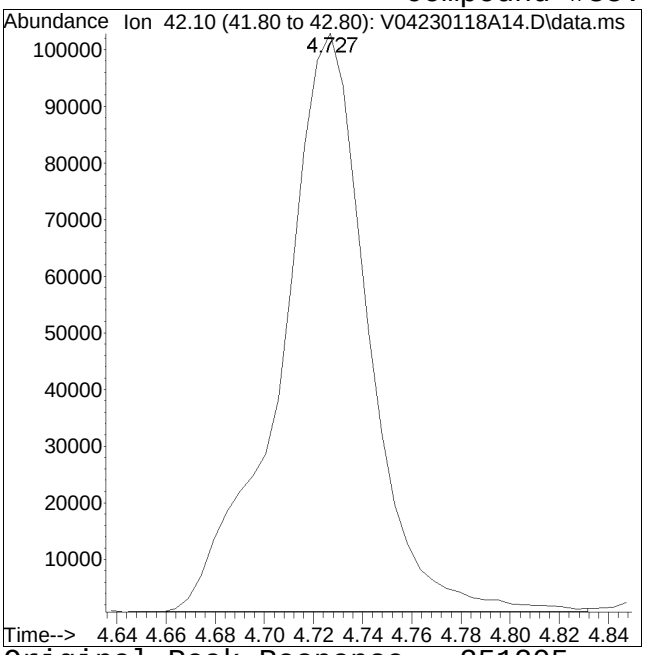
Original Peak Response = 363697 Manual Peak Response = 444623 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

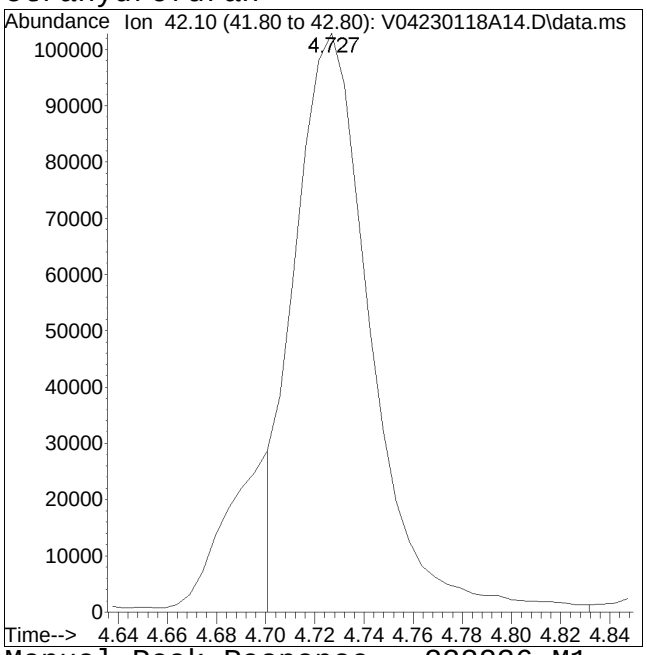
Data Path : I:\VOLATILES\VOA104\2023\2Q
Data File : V04230118A14.D
Date Inj'd : 1/18/2023 4:30 pm
Sample : I8260STD300PPB

Method : V104_230118A_8260.m
Operator : VOA104:MKS
Instrument : VOA104
Quant Date : 1/19/2023 1:37 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 251205



Manual Peak Response = 222236 M1

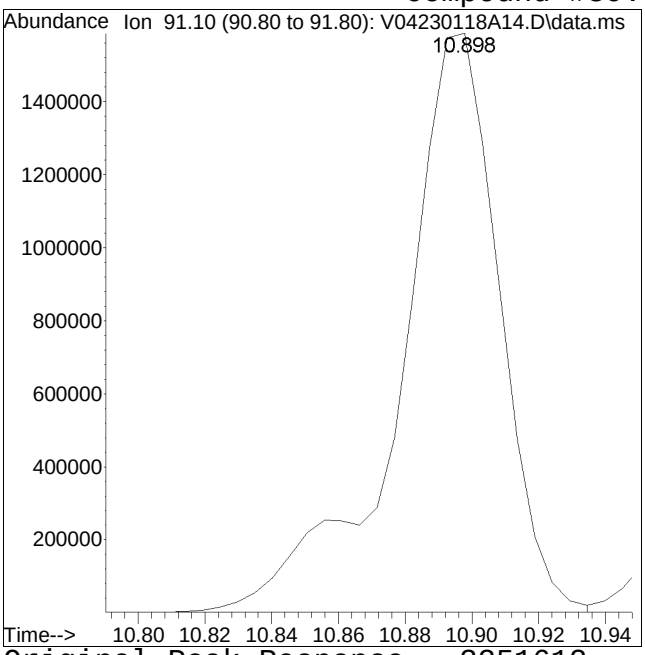
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

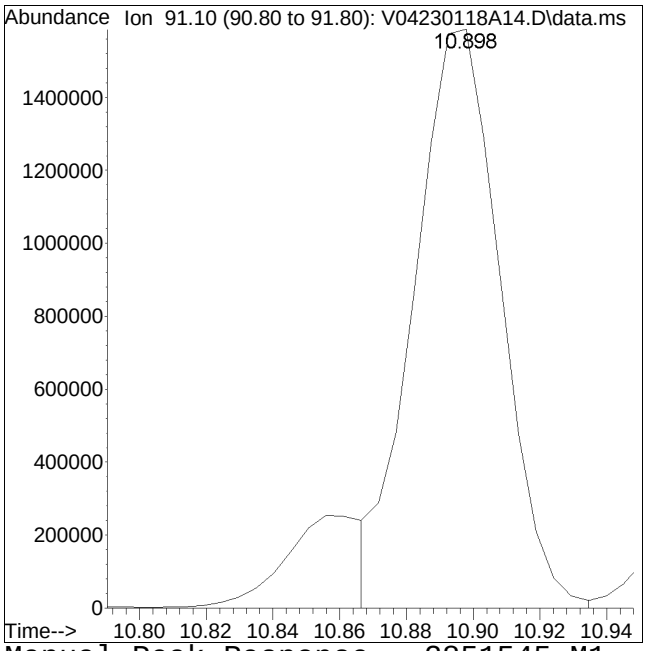
Data Path : I:\VOLATILES\VOA104\2023\2Q
Data File : V04230118A14.D
Date Inj'd : 1/18/2023 4:30 pm
Sample : I8260STD300PPB

Method : V104_230118A_8260.m
Operator : VOA104:MKS
Instrument : VOA104
Quant Date : 1/19/2023 1:37 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 3251612



Manual Peak Response = 2851545 M1

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A20.D
Acq On : 18 Jan 2023 7:07 pm
Operator : VOA104:MKS
Sample : C8260STD40PPB
Misc : WG1735258
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 19 14:22:52 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.05min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	108	0.00
2	TP	Dichlorodifluoromethane	0.449	0.411	8.5	123	0.00
3	TP	Chloromethane	0.829	0.780	5.9	120	0.00
4	TC	Vinyl chloride	0.578	0.529	8.5	119	0.00
5	TP	Bromomethane	* 40.000	38.178	4.6	112	0.00
6	TP	Chloroethane	* 40.000	37.910	5.2	107	0.00
7	TP	Trichlorofluoromethane	0.616	0.516	16.2	110	0.00
8	TP	Ethyl ether	0.133	0.176	-32.3#	154	0.00
10	TC	1,1-Dichloroethene	0.391	0.309	21.0#	102	0.00
11	TP	Carbon disulfide	0.828	1.246	-50.5#	185	0.00
12	TP	Freon-113	0.396	0.340	14.1	116	0.00
14	TP	Acrolein	0.044	0.047	-6.8	129	0.00
15	TP	Methylene chloride	0.437	0.406	7.1	103	0.00
17	TP	Acetone	0.084	0.078	7.1	109	0.00
18	TP	trans-1,2-Dichloroethene	0.404	0.356	11.9	105	0.00
19	TP	Methyl acetate	0.168	0.169	-0.6	114	0.00
20	TP	Methyl tert-butyl ether	0.613	0.754	-23.0#	135	0.00
21	TP	tert-Butyl alcohol	0.029	0.032	-10.3	127	0.00
22	TP	Diisopropyl ether	1.266	1.378	-8.8	118	0.00
23	TP	1,1-Dichloroethane	0.885	0.792	10.5	108	0.00
24	TP	Halothane	0.304	0.262	13.8	109	0.00
25	TP	Acrylonitrile	0.089	0.105	-18.0	130	0.00
26	TP	Ethyl tert-butyl ether	1.005	1.124	-11.8	121	0.00
27	TP	Vinyl acetate	0.603	0.533	11.6	97	0.00
28	TP	cis-1,2-Dichloroethene	0.442	0.392	11.3	102	0.00
29	TP	2,2-Dichloropropane	0.599	0.488	18.5	104	0.00
30	TP	Bromochloromethane	0.197	0.175	11.2	102	0.00
31	TP	Cyclohexane	0.830	0.686	17.3	112	0.00
32	TC	Chloroform	0.715	0.640	10.5	107	0.00
33	TP	Ethyl acetate	0.243	0.238	2.1	111	0.00
34	TP	Carbon tetrachloride	0.502	0.411	18.1	107	0.00
35	TP	Tetrahydrofuran	0.091	0.097	-6.6	123	0.00
36	S	Dibromofluoromethane	0.345	0.314	9.0	106	0.00
37	TP	1,1,1-Trichloroethane	0.562	0.509	9.4	113	0.00
39	TP	2-Butanone	* 40.000	42.364	-5.9	132	0.00
40	TP	1,1-Dichloropropene	* 40.000	35.167	12.1	109	0.00
41	TP	Benzene	1.332	1.267	4.9	108	0.00
42	TP	tert-Amyl methyl ether	0.708	0.753	-6.4	121	0.00
43	S	1,2-Dichloroethane-d4	0.275	0.251	8.7	109	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A20.D
Acq On : 18 Jan 2023 7:07 pm
Operator : VOA104:MKS
Sample : C8260STD40PPB
Misc : WG1735258
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 19 14:22:52 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.05min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TP	1,2-Dichloroethane	0.475	0.426	10.3	105	0.00
47	TP	Methyl cyclohexane	* 40.000	34.628	13.4	117	0.00
48	TP	Trichloroethene	0.355	0.353	0.6	114	0.00
50	TP	Dibromomethane	0.207	0.188	9.2	105	0.00
51	TC	1,2-Dichloropropane	0.415	0.395	4.8	106	0.00
53	TP	2-Chloroethyl vinyl ether	0.181	0.194	-7.2	129	0.00
54	TP	Bromodichloromethane	0.495	0.456	7.9	105	0.00
57	TP	1,4-Dioxane	0.00276	0.00303#	-9.8	108	0.00
58	TP	cis-1,3-Dichloropropene	0.509	0.516	-1.4	105	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00
60	S	Toluene-d8	1.204	1.224	-1.7	105	0.00
61	TC	Toluene	0.948	0.901	5.0	108	0.00
62	TP	4-Methyl-2-pentanone	0.108	0.114	-5.6	116	0.00
63	TP	Tetrachloroethene	* 40.000	35.586	11.0	111	0.00
65	TP	trans-1,3-Dichloropropene	* 40.000	36.644	8.4	103	0.00
67	TP	Ethyl methacrylate	0.325	0.414	-27.4#	135	0.00
68	TP	1,1,2-Trichloroethane	* 40.000	37.829	5.4	106	0.00
69	TP	Chlorodibromomethane	0.369	0.370	-0.3	107	0.00
70	TP	1,3-Dichloropropane	0.479	0.477	0.4	105	0.00
71	TP	1,2-Dibromoethane	* 40.000	37.697	5.8	105	0.00
72	TP	2-Hexanone	0.217	0.225	-3.7	118	0.00
73	TP	Chlorobenzene	1.122	1.083	3.5	107	0.00
74	TC	Ethylbenzene	1.893	1.781	5.9	111	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.363	0.372	-2.5	108	0.00
76	TP	p/m Xylene	0.718	0.677	5.7	107	0.00
77	TP	o Xylene	0.690	0.735	-6.5	121	0.00
78	TP	Styrene	1.094	1.169	-6.9	118	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
80	TP	Bromoform	* 40.000	38.702	3.2	105	0.00
82	TP	Isopropylbenzene	3.169	3.023	4.6	111	0.00
83	S	4-Bromofluorobenzene	0.864	0.893	-3.4	106	0.00
84	TP	Bromobenzene	0.848	0.828	2.4	104	0.00
85	TP	n-Propylbenzene	3.894	3.711	4.7	111	0.00
86	TP	1,4-Dichlorobutane	0.990	1.286	-29.9#	137	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.635	0.607	4.4	98	0.00
88	TP	4-Ethyltoluene	3.197	3.578	-11.9	127	0.00
89	TP	2-Chlorotoluene	2.304	2.190	4.9	107	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A20.D
Acq On : 18 Jan 2023 7:07 pm
Operator : VOA104:MKS
Sample : C8260STD40PPB
Misc : WG1735258
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 19 14:22:52 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.05min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 TP	1,3,5-Trimethylbenzene	2.712	2.564	5.5	109	0.00
91 TP	1,2,3-Trichloropropane	0.465	0.450	3.2	106	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.195	0.251	-28.7#	130	0.00
93 TP	4-Chlorotoluene	2.359	2.288	3.0	107	0.00
94 TP	tert-Butylbenzene	2.368	2.203	7.0	110	0.00
97 TP	1,2,4-Trimethylbenzene	2.681	2.628	2.0	110	0.00
98 TP	sec-Butylbenzene	3.591	3.291	8.4	111	0.00
99 TP	p-Isopropyltoluene	3.072	2.861	6.9	110	0.00
100 TP	1,3-Dichlorobenzene	1.642	1.590	3.2	106	0.00
101 TP	1,4-Dichlorobenzene	1.700	1.611	5.2	107	0.00
102 TP	p-Diethylbenzene	1.876	1.953	-4.1	123	0.00
103 TP	n-Butylbenzene	2.754	2.635	4.3	114	0.00
104 TP	1,2-Dichlorobenzene	1.533	1.479	3.5	105	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.922	3.210	-9.9	122	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.110	0.111	-0.9	108	0.00
107 TP	1,3,5-Trichlorobenzene	1.282	1.143	10.8	100	0.00
108 TP	Hexachlorobutadiene	0.656	0.577	12.0	110	0.00
109 TP	1,2,4-Trichlorobenzene	1.105	1.065	3.6	105	0.00
110 TP	Naphthalene	2.093	2.100	-0.3	110	0.00
111 TP	1,2,3-Trichlorobenzene	0.980	0.952	2.9	107	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 1 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A20.D
Acq On : 18 Jan 2023 7:07 pm
Operator : VOA104:MKS
Sample : C8260STD40PPB
Misc : WG1735258
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 19 14:22:52 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.539	96	175745	20.000	ug/L	0.00
Standard Area 1 = 163401			Recovery = 107.55%			
59) Chlorobenzene-d5	9.015	117	151991	20.000	ug/L	0.00
Standard Area 1 = 143598			Recovery = 105.84%			
79) 1,4-Dichlorobenzene-d4	11.815	152	85504	20.000	ug/L	0.00
Standard Area 1 = 82449			Recovery = 103.71%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.763	113	55113	18.159	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 90.79%			
43) 1,2-Dichloroethane-d4	5.267	65	44193	18.264	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.32%			
60) Toluene-d8	7.196	98	186003	20.333	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.66%			
83) 4-Bromofluorobenzene	10.562	95	76345	20.674	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.37%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.476	85	144302	36.544	ug/L	98
3) Chloromethane	1.639	50	274231	37.644	ug/L	98
4) Vinyl chloride	1.701	62	186093	36.628	ug/L	96
5) Bromomethane	1.974	94	96715	38.178	ug/L	97
6) Chloroethane	2.079	64	80429	37.910	ug/L	97
7) Trichlorofluoromethane	2.194	101	181255	33.488	ug/L	99
8) Ethyl ether	2.456	74	61999	52.921	ug/L	83
10) 1,1-Dichloroethene	2.640	96	108724	31.665	ug/L	96
11) Carbon disulfide	2.666	76	437987	60.165	ug/L	99
12) Freon-113	2.671	101	119530	34.312	ug/L #	64
14) Acrolein	2.939	56	16357	42.439	ug/L	99
15) Methylene chloride	3.154	84	142547	37.088	ug/L	82
17) Acetone	3.196	43	27439	37.393	ug/L	95
18) trans-1,2-Dichloroethene	3.290	96	125259	35.246	ug/L	95
19) Methyl acetate	3.301	43	59447	40.342	ug/L	95
20) Methyl tert-butyl ether	3.369	73	265199	49.268	ug/L	94
21) tert-Butyl alcohol	3.468	59	56714	223.155	ug/L	91
22) Diisopropyl ether	3.704	45	484232	43.517	ug/L	94
23) 1,1-Dichloroethane	3.841	63	278279	35.800	ug/L	98
24) Halothane	3.898	117	91943	34.433	ug/L	99
25) Acrylonitrile	3.898	53	36866	47.213	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A20.D
Acq On : 18 Jan 2023 7:07 pm
Operator : VOA104:MKS
Sample : C8260STD40PPB
Misc : WG1735258
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 19 14:22:52 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.035	59	395138	44.740	ug/L		90
27) Vinyl acetate	4.066	43	187454	35.350	ug/L	#	96
28) cis-1,2-Dichloroethene	4.333	96	137916	35.516	ug/L		98
29) 2,2-Dichloropropane	4.423	77	171352	32.528	ug/L		96
30) Bromochloromethane	4.522	128	61534	35.498	ug/L	#	81
31) Cyclohexane	4.501	56	241179	33.052	ug/L		86
32) Chloroform	4.590	83	225014	35.832	ug/L		99
33) Ethyl acetate	4.700	43	83782	39.277	ug/L		97
34) Carbon tetrachloride	4.706	117	144568	32.746	ug/L		99
35) Tetrahydrofuran	4.732	42	34112M1	42.553	ug/L		
37) 1,1,1-Trichloroethane	4.769	97	179058	36.265	ug/L		99
39) 2-Butanone	4.879	43	38094	42.364	ug/L		98
40) 1,1-Dichloropropene	4.889	75	142456	35.167	ug/L		99
41) Benzene	5.125	78	445488	38.069	ug/L		96
42) tert-Amyl methyl ether	5.230	73	264614	42.531	ug/L		99
44) 1,2-Dichloroethane	5.335	62	149709	35.885	ug/L		99
47) Methyl cyclohexane	5.686	83	175947	34.628	ug/L		85
48) Trichloroethene	5.712	95	124059	39.808	ug/L		97
50) Dibromomethane	6.148	93	66085	36.345	ug/L		98
51) 1,2-Dichloropropane	6.242	63	138989	38.121	ug/L		95
53) 2-Chloroethyl vinyl ether	6.939	63	68152	42.744	ug/L		89
54) Bromodichloromethane	6.321	83	160298	36.816	ug/L		99
57) 1,4-Dioxane	6.530	88	53300	2197.928	ug/L	#	84
58) cis-1,3-Dichloropropene	6.997	75	181328	40.559	ug/L		96
61) Toluene	7.249	92	273899	38.001	ug/L		100
62) 4-Methyl-2-pentanone	7.694	58	34575	42.217	ug/L		84
63) Tetrachloroethene	7.689	166	121414	35.586	ug/L		99
65) trans-1,3-Dichloropropene	7.741	75	148826	36.644	ug/L		96
67) Ethyl methacrylate	7.930	69	125892	50.957	ug/L		92
68) 1,1,2-Trichloroethane	7.925	83	73061	37.829	ug/L		97
69) Chlorodibromomethane	8.129	129	112400	40.046	ug/L		99
70) 1,3-Dichloropropane	8.239	76	144960	39.822	ug/L		100
71) 1,2-Dibromoethane	8.392	107	87044	37.697	ug/L		99
72) 2-Hexanone	8.696	43	68351	41.381	ug/L		93
73) Chlorobenzene	9.036	112	329233	38.604	ug/L		98
74) Ethylbenzene	9.073	91	541241	37.619	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.126	131	113229	41.033	ug/L		100
76) p/m Xylene	9.257	106	411809	75.440	ug/L		96
77) o Xylene	9.802	106	447125	85.323	ug/L		97
78) Styrene	9.875	104	710872	85.501	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A20.D
Acq On : 18 Jan 2023 7:07 pm
Operator : VOA104:MKS
Sample : C8260STD40PPB
Misc : WG1735258
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 19 14:22:52 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230118ICAL\V04230118A11.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Bromoform	9.907	173	67861	38.702	ug/L	100
82) Isopropylbenzene	10.211	105	517035	38.162	ug/L	99
84) Bromobenzene	10.672	156	141610	39.042	ug/L	99
85) n-Propylbenzene	10.719	91	634588	38.116	ug/L	98
86) 1,4-Dichlorobutane	10.751	55	219872	51.939	ug/L	95
87) 1,1,2,2-Tetrachloroethane	10.835	83	103772	38.226	ug/L	99
88) 4-Ethyltoluene	10.856	105	611853	44.764	ug/L	100
89) 2-Chlorotoluene	10.892	91	374449	38.015	ug/L	100
90) 1,3,5-Trimethylbenzene	10.961	105	438404	37.808	ug/L	99
91) 1,2,3-Trichloropropane	10.971	75	76887	38.694	ug/L	95
92) trans-1,4-Dichloro-2-b...	11.034	53	42999	51.579	ug/L	97
93) 4-Chlorotoluene	11.086	91	391299	38.803	ug/L	100
94) tert-Butylbenzene	11.307	119	376682	37.207	ug/L	99
97) 1,2,4-Trimethylbenzene	11.396	105	449351	39.198	ug/L	100
98) sec-Butylbenzene	11.506	105	562795	36.663	ug/L	99
99) p-Isopropyltoluene	11.668	119	489330	37.253	ug/L	99
100) 1,3-Dichlorobenzene	11.737	146	271953	38.730	ug/L	100
101) 1,4-Dichlorobenzene	11.831	146	275483	37.912	ug/L	99
102) p-Diethylbenzene	12.056	119	333953	41.642	ug/L	99
103) n-Butylbenzene	12.114	91	450668	38.275	ug/L	98
104) 1,2-Dichlorobenzene	12.266	146	252936	38.592	ug/L	99
105) 1,2,4,5-Tetramethylben...	12.864	119	548995	43.943	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.063	155	18955	40.319	ug/L	98
107) 1,3,5-Trichlorobenzene	13.089	180	195435	35.663	ug/L	100
108) Hexachlorobutadiene	13.666	225	98712	35.203	ug/L	99
109) 1,2,4-Trichlorobenzene	13.692	180	182083	38.528	ug/L	99
110) Naphthalene	13.986	128	359159	40.140	ug/L	100
111) 1,2,3-Trichlorobenzene	14.159	180	162801	38.844	ug/L	99

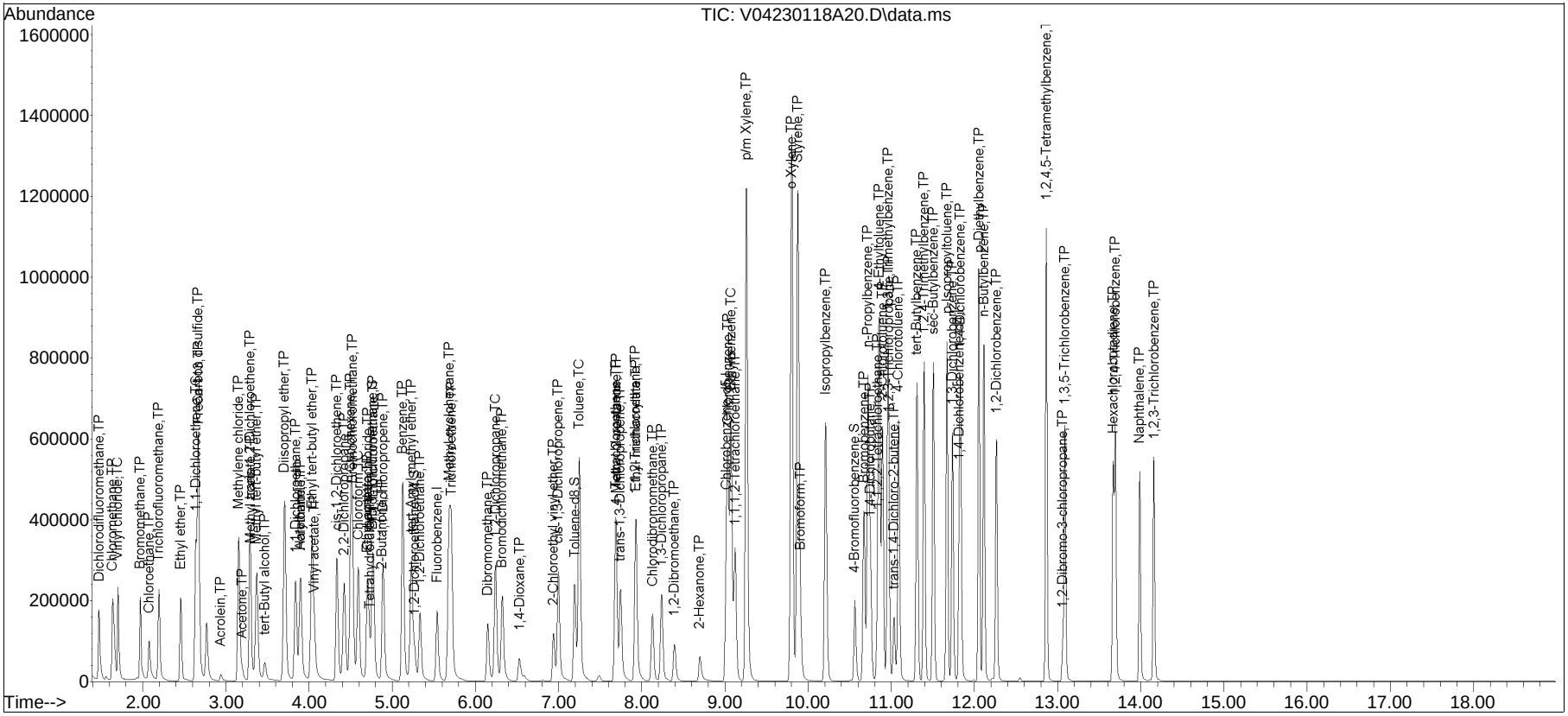
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Data File : V04230118A20.D
Acq On : 18 Jan 2023 7:07 pm
Operator : VOA104:MKS
Sample : C8260STD40PPB
Misc : WG1735258
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 19 14:22:52 2023
Quant Method : I:\VOLATILES\VOA104\2023\230118ICAL\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

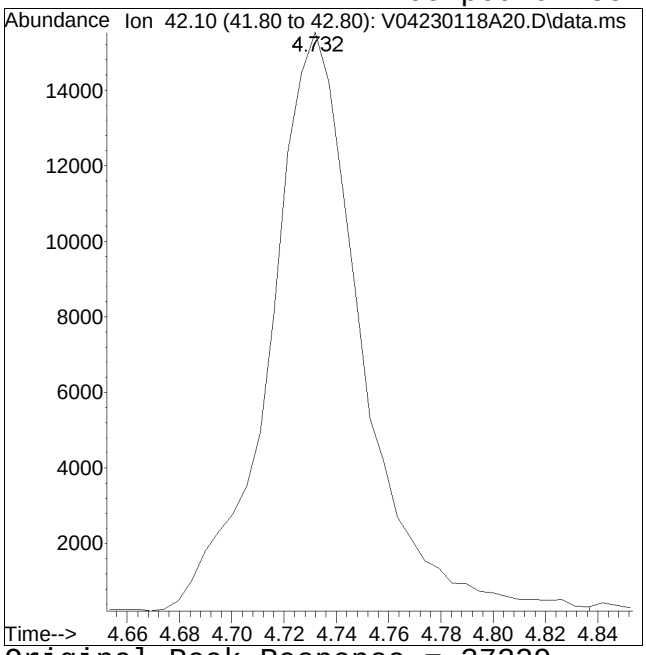
Sub List : 8260-CurveSoil - Megamix plus Diox8ICAL\V04230118A11.D•

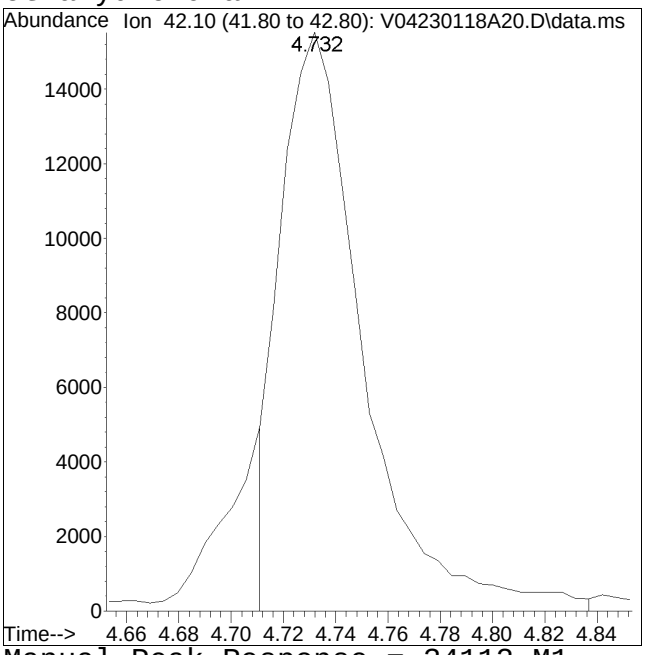


Manual Integration Report

Data Path : I:\VOLATILES\VOA104\2023\2QMethod : V104_230118A_8260.m
Data File : V04230118A20.D Operator : VOA104:MKS
Date Inj'd : 1/18/2023 7:07 pm Instrument : VOA104
Sample : C8260STD40PPB Quant Date : 1/19/2023 2:21 pm

Compound #35: Tetrahydrofuran





Original Peak Response = 37329 Manual Peak Response = 34112 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Relative Error Report VOA104

Method Path : I:\VOLATILES\VOA104\2023\230118ICAL\
Method File : V104_230118A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jan 19 14:20:58 2023

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
5	TP Bromomethane	L	ug/L	40.0	36.599	-8.5	2.00	2.275	13.7
6	TP Chloroethane	L	ug/L	40.0	38.137	-4.7	2.00	2.055	2.8
39	TP 2-Butanone	Q	ug/L	40.0	35.132	-12.2	4.00	4.648	16.2
40	TP 1,1-Dichloropropene	Q	ug/L	40.0	34.804	-13.0	0.50	0.547	9.4
47	TP Methyl cyclohexane	Q	ug/L	40.0	32.061	-19.8	1.00	1.053	5.3
63	TP Tetrachloroethene	Q	ug/L	40.0	33.962	-15.1	0.50	0.587	17.4
65	TP trans-1,3-Dichloropropene	Q	ug/L	40.0	37.601	-6.0	1.00	1.234	23.4
68	TP 1,1,2-Trichloroethane	Q	ug/L	40.0	37.878	-5.3	1.00	1.155	15.5
71	TP 1,2-Dibromoethane	Q	ug/L	40.0	37.886	-5.3	0.50	0.615	23.0
80	TP Bromoform	Q	ug/L	40.0	38.185	-4.5	1.00	1.172	17.2

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
5	TP Bromomethane	Linear	0.998907	0.000000	0.281895	0.0122109
6	TP Chloroethane	Linear	0.995768	0.000000	0.234171	0.0137763
39	TP 2-Butanone	Quadratic	0.997884	0.002001	0.104451	-0.0134719
40	TP 1,1-Dichloropropene	Quadratic	0.996535	0.006572	0.452142	-0.00475321
47	TP Methyl cyclohexane	Quadratic	0.993481	0.012746	0.560987	-0.00835772
63	TP Tetrachloroethene	Quadratic	0.995573	0.008213	0.438015	-0.0065459
65	TP trans-1,3-Dichloropropene	Quadratic	0.997794	0.006611	0.531975	-0.0176889
68	TP 1,1,2-Trichloroethane	Quadratic	0.998350	0.002778	0.252321	-0.0064917
71	TP 1,2-Dibromoethane	Quadratic	0.998261	0.004473	0.298875	-0.00653582
80	TP Bromoform	Quadratic	0.998619	0.005936	0.403587	-0.00954297

Response Factor Report VOA122

Method Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Method File : V122_230313A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Mar 14 11:12:30 2023
Response Via : Initial Calibration

Calibration Files
L11 =V22230313A03.D L1 =V22230313A05.D L2 =V22230313A07.D L3 =V22230313A08.D L4 =V22230313A09.D
L6 =V22230313A10.D L8 =V22230313A11.D L10 =V22230313A12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------	ISTD	----------							
2)	TP	Dichlorodifluo...		0.149	0.161	0.138	0.137	0.117	0.124	0.124	0.136	11.44
3)	TP	Chloromethane		0.188	0.208	0.170	0.162	0.145	0.146	0.146	0.167	14.46
4)	TC	Vinyl chloride	0.170	0.206	0.225	0.193	0.186	0.165	0.168	0.166	0.185	11.88
5)	TP	Bromomethane		0.137	0.116	0.096	0.095	0.095	0.102	0.108	0.107	14.58
6)	TP	Chloroethane		0.152	0.154	0.129	0.122	0.109	0.111	0.110	0.127	15.25
7)	TP	Trichlorofluor...		0.229	0.250	0.221	0.219	0.198	0.201	0.203	0.217	8.47
8)	TP	Ethyl ether		0.055	0.057	0.055	0.053	0.051	0.050	0.053	0.053	4.37
10)	TC	1,1-Dichloroet...		0.136	0.158	0.135	0.128	0.118	0.119	0.121	0.131	10.76
11)	TP	Carbon disulfide		0.419	0.477	0.404	0.386	0.351	0.362	0.368	0.395	10.90
12)	TP	Freon-113		0.139	0.162	0.141	0.140	0.124	0.130	0.133	0.138	8.75
13)	TP	Iodomethane			0.089	0.109	0.140	0.148	0.152	0.155	*L	0.9986
14)	TP	Acrolein			0.016	0.015	0.014	0.014	0.013	0.014	0.015	7.46
15)	TP	Methylene chlo...		0.169	0.177	0.153	0.144	0.132	0.131	0.134	0.148	12.50
17)	TP	Acetone			0.045	0.031	0.026	0.023	0.023	0.024	*L	0.9989
18)	TP	trans-1,2-Dich...		0.160	0.176	0.150	0.145	0.131	0.132	0.134	0.147	11.40
19)	TP	Methyl acetate			0.075	0.061	0.056	0.054	0.052	0.055	0.059	14.38
21)	TP	Methyl tert-bu...		0.214	0.238	0.244	0.244	0.246	0.241	0.253	0.240	5.17
22)	TP	tert-Butyl alc...		0.007	0.008	0.008	0.008	0.007	0.007	0.008	0.008#	5.92
24)	TP	Diisopropyl ether		0.351	0.374	0.366	0.377	0.386	0.384	0.402	0.377	4.27
25)	TP	1,1-Dichloroet...		0.301	0.332	0.284	0.267	0.246	0.244	0.249	0.274#	12.03
26)	TP	Halothane		0.099	0.118	0.111	0.110	0.102	0.104	0.107	0.107	6.22
27)	TP	Acrylonitrile		0.035	0.033	0.032	0.030	0.028	0.028	0.029	0.031	9.26
28)	TP	Ethyl tert-but...		0.301	0.326	0.329	0.343	0.359	0.357	0.378	0.342	7.48
29)	TP	Vinyl acetate		0.226	0.214	0.208	0.214	0.233	0.232	0.253	0.226	6.89
30)	TP	cis-1,2-Dichlo...		0.170	0.190	0.165	0.155	0.142	0.142	0.144	0.158#	11.20
31)	TP	2,2-Dichloropr...		0.230	0.251	0.218	0.207	0.186	0.186	0.188	0.210	12.02
32)	TP	Bromochloromet...		0.078	0.085	0.077	0.072	0.066	0.065	0.067	0.073#	10.28
33)	TP	Cyclohexane		0.259	0.299	0.280	0.284	0.254	0.263	0.269	0.272	5.84
34)	TC	Chloroform		0.289	0.317	0.260	0.245	0.226	0.226	0.232	0.256	13.60
35)	TP	Ethyl acetate			0.072	0.075	0.077	0.079	0.076	0.081	0.077	3.99

Response Factor Report VOA122

Method Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Method File : V122_230313A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Mar 14 11:12:30 2023
Response Via : Initial Calibration

Calibration Files
L11 =V22230313A03.D L1 =V22230313A05.D L2 =V22230313A07.D L3 =V22230313A08.D L4 =V22230313A09.D
L6 =V22230313A10.D L8 =V22230313A11.D L10 =V22230313A12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
36)	TP	Carbon tetrach...	0.143	0.164	0.202	0.191	0.192	0.180	0.185	0.191	0.181	10.43
37)	TP	Tetrahydrofuran			0.031	0.027	0.022	0.021	0.021	0.022	0.024	17.02
38)	S	Dibromofluorom...	0.336	0.349	0.330	0.307	0.288	0.277	0.275	0.276	0.305	9.95
39)	TP	1,1,1-Trichlor...		0.210	0.250	0.223	0.223	0.202	0.202	0.207	0.217	7.82
41)	TP	2-Butanone			0.044	0.034	0.033	0.034	0.033	0.034	0.035	12.15
42)	TP	1,1-Dichloropr...		0.151	0.185	0.182	0.206	0.191	0.195	0.198	0.187	9.58
44)	TP	Benzene	0.484	0.491	0.539	0.539	0.536	0.512	0.510	0.518	0.516	4.13
45)	TP	tert-Amyl meth...		0.262	0.275	0.273	0.284	0.288	0.286	0.306	0.282	4.91
46)	S	1,2-Dichloroet...	0.326	0.338	0.327	0.305	0.284	0.284	0.281	0.289	0.304	7.57
47)	T	1,2-Dichloroet...		0.186	0.195	0.176	0.167	0.157	0.153	0.159	0.170	9.22
50)	TP	Methyl cyclohe...		0.237	0.257	0.236	0.249	0.236	0.246	0.259	0.246	4.03
51)	TP	Trichloroethene	0.172	0.164	0.163	0.150	0.154	0.147	0.148	0.155	0.157#	5.73
53)	TP	Dibromomethane		0.078	0.087	0.081	0.077	0.072	0.072	0.075	0.077	6.84
54)	TC	1,2-Dichloropr...		0.117	0.145	0.145	0.146	0.139	0.139	0.143	0.139	7.30
56)	TP	2-Chloroethyl ...		0.047	0.051	0.054	0.056	0.056	0.055	0.058	0.054	6.88
57)	TP	Bromodichlorom...		0.171	0.192	0.186	0.188	0.180	0.178	0.184	0.183#	3.75
60)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	4.89
61)	TP	cis-1,3-Dichlo...		0.179	0.199	0.209	0.218	0.213	0.211	0.219	0.207#	6.78
62)	I	Chlorobenzene-d5	----------ISTD----------									
63)	S	Toluene-d8	1.279	1.285	1.291	1.336	1.338	1.335	1.317	1.302	1.310	1.87
64)	TC	Toluene		0.392	0.462	0.443	0.449	0.433	0.429	0.439	0.435	5.07
65)	TP	4-Methyl-2-pen...			0.024	0.026	0.026	0.026	0.025	0.025	0.025#	3.59
66)	TP	Tetrachloroethene		0.154	0.174	0.166	0.174	0.167	0.169	0.179	0.169	4.83
68)	TP	trans-1,3-Dich...		0.205	0.228	0.247	0.268	0.268	0.260	0.268	0.249#	9.88
70)	TP	Ethyl methacry...		0.144	0.149	0.149	0.149	0.141	0.134	0.140	0.144	3.82
71)	TP	1,1,2-Trichlor...		0.084	0.092	0.101	0.111	0.110	0.107	0.111	0.102#	10.27
72)	TP	Chlorodibromom...		0.107	0.126	0.146	0.163	0.165	0.163	0.169	0.148#	15.98
73)	TP	1,3-Dichloropr...		0.183	0.206	0.219	0.232	0.229	0.222	0.227	0.217	8.00
74)	TP	1,2-Dibromoethane		0.095	0.113	0.121	0.131	0.131	0.127	0.130	0.121#	11.08
76)	TP	2-Hexanone		0.102	0.074	0.072	0.069	0.064	0.060	0.061	0.072	19.95
77)	TP	Chlorobenzene		0.455	0.535	0.498	0.501	0.484	0.477	0.489	0.491	5.05

Response Factor Report VOA122

Method Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Method File : V122_230313A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Mar 14 11:12:30 2023
Response Via : Initial Calibration

Calibration Files
L11 =V22230313A03.D L1 =V22230313A05.D L2 =V22230313A07.D L3 =V22230313A08.D L4 =V22230313A09.D
L6 =V22230313A10.D L8 =V22230313A11.D L10 =V22230313A12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
78)	TC	Ethylbenzene		0.837	0.956	0.873	0.870	0.831	0.818	0.825	0.858	5.59
79)	TP	1,1,1,2-Tetrac...		0.111	0.145	0.153	0.168	0.171	0.171	0.179	0.157	14.83
80)	TP	p/m Xylene		0.313	0.376	0.348	0.347	0.330	0.324	0.330	0.338	6.08
81)	TP	o Xylene		0.299	0.351	0.334	0.334	0.320	0.315	0.322	0.325	5.08
82)	TP	Styrene		0.499	0.564	0.554	0.562	0.539	0.528	0.527	0.539	4.33
83)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
84)	TP	Bromoform		0.101	0.134	0.151	0.177	0.188	0.192		*L	0.9980
86)	TP	Isopropylbenzene		1.714	1.918	1.770	1.785	1.667	1.646	1.632	1.733	5.80
87)	S	4-Bromofluorob...	0.967	0.972	0.955	0.967	0.932	0.904	0.898	0.871	0.933	4.08
88)	TP	Bromobenzene		0.352	0.428	0.397	0.398	0.373	0.370	0.380	0.386	6.41
89)	TP	n-Propylbenzene		1.933	2.281	2.136	2.152	2.011	1.969	1.911	2.056	6.65
90)	TP	1,4-Dichlorobu...		0.376	0.392	0.387	0.403	0.394	0.385	0.402	0.391	2.42
91)	TP	1,1,2,2-Tetrac...		0.246	0.252	0.262	0.270	0.264	0.260	0.272	0.261	3.52
92)	TP	4-Ethyltoluene		1.496	1.833	1.704	1.735	1.619	1.602	1.562	1.650	6.93
93)	TP	2-Chlorotoluene		1.163	1.270	1.191	1.196	1.113	1.101	1.109	1.163	5.28
94)	TP	1,3,5-Trimethy...		1.196	1.371	1.297	1.358	1.348	1.362	1.377	1.330	4.85
95)	TP	1,2,3-Trichlor...		0.221	0.208	0.216	0.220	0.219	0.219	0.234	0.220	3.41
96)	TP	trans-1,4-Dich...		0.064	0.068	0.076	0.085	0.079	0.077	0.080	0.076	9.37
97)	TP	4-Chlorotoluene		1.177	1.342	1.264	1.268	1.182	1.165	1.162	1.223	5.66
98)	TP	tert-Butylbenzene		1.345	1.621	1.508	1.510	1.414	1.390	1.399	1.455	6.56
101)	TP	1,2,4-Trimethy...		1.160	1.325	1.264	1.300	1.307	1.326	1.340	1.289	4.81
102)	TP	sec-Butylbenzene		1.578	1.946	1.836	1.847	1.728	1.710	1.669	1.759	7.07
103)	TP	p-Isopropyltol...		1.293	1.552	1.490	1.522	1.464	1.467	1.459	1.464	5.66
104)	TP	1,3-Dichlorobe...		0.725	0.815	0.789	0.799	0.748	0.748	0.760	0.769	4.23
105)	TP	1,4-Dichlorobe...		0.753	0.815	0.772	0.785	0.735	0.735	0.747	0.763	3.81
106)	TP	p-Diethylbenzene		0.749	0.863	0.833	0.860	0.848	0.862	0.891	0.844	5.36
107)	TP	n-Butylbenzene		1.084	1.304	1.224	1.272	1.234	1.241	1.251	1.230	5.66
108)	TP	1,2-Dichlorobe...		0.648	0.711	0.690	0.695	0.658	0.657	0.667	0.675	3.51
109)	TP	1,2,4,5-Tetram...		1.027	1.143	1.097	1.098	1.058	1.071	1.132	1.089	3.75
110)	TP	1,2-Dibromo-3-...		0.021	0.036	0.042	0.043	0.041	0.041	0.043	*L	0.9994
111)	TP	1,3,5-Trichlor...		0.391	0.455	0.428	0.426	0.405	0.416	0.448	0.424	5.31

Method Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Method File : V122_230313A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Mar 14 11:12:30 2023
Response Via : Initial Calibration

Calibration Files
L11 =V22230313A03.D L1 =V22230313A05.D L2 =V22230313A07.D L3 =V22230313A08.D L4 =V22230313A09.D
L6 =V22230313A10.D L8 =V22230313A11.D L10 =V22230313A12.D

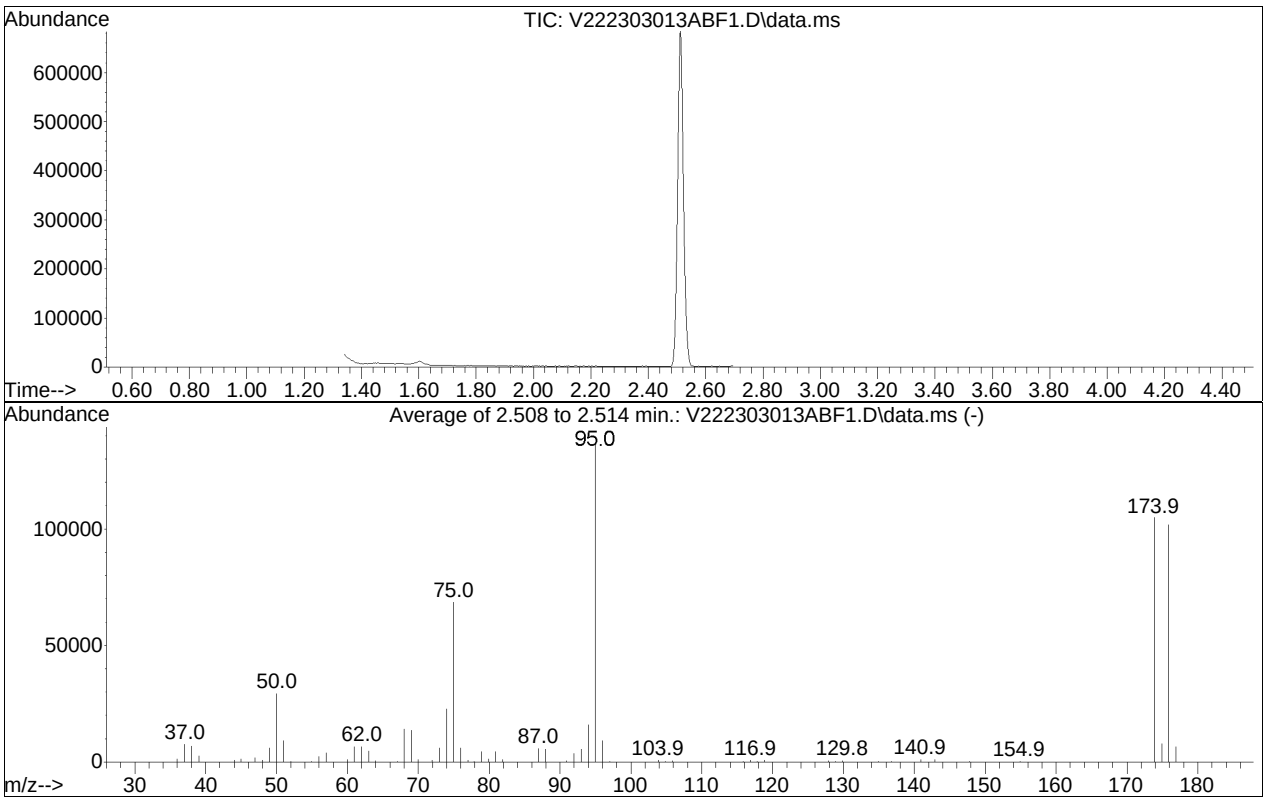
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
112) TP	Hexachlorobuta...	0.133	0.156	0.154	0.157	0.149	0.152	0.161	0.152		6.13
113) TP	1,2,4-Trichlor...	0.372	0.402	0.377	0.372	0.351	0.349	0.374	0.371#		4.76
114) TP	Naphthalene	0.893	0.915	0.896	0.872	0.808	0.788	0.825	0.857		5.77
115) TP	1,2,3-Trichlor...	0.327	0.353	0.333	0.325	0.302	0.301	0.319	0.323#		5.60

(#) = Out of Range

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V222303013ABF1.D
Acq On : 13 Mar 2023 12:54 pm
Operator : VOA122:PID
Sample : WG1754457-1
Misc : WG1754457
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Mar 14 11:12:30 2023



AutoFind: Scans 420, 421, 422; Background Corrected with Scan 407

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.4	29299	PASS
75	95	30	60	50.0	68533	PASS
95	95	100	100	100.0	136992	PASS
96	95	5	9	6.6	9089	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.5	104827	PASS
175	174	5	9	7.6	7939	PASS
176	174	95	101	97.0	101696	PASS
177	176	5	9	6.4	6554	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A03.D
Acq On : 13 Mar 2023 01:58 pm
Operator : VOA122:PID
Sample : I8260STD0.19PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 14 11:05:28 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-L11 - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.292	96	362099	10.000	ug/L	0.00
Standard Area 1 = 410203			Recovery = 88.27%			
62) Chlorobenzene-d5	9.874	117	307366	10.000	ug/L	0.00
Standard Area 1 = 313936			Recovery = 97.91%			
83) 1,4-Dichlorobenzene-d4	12.508	152	155096	10.000	ug/L	0.00
Standard Area 1 = 159350			Recovery = 97.33%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.461	113	121692	11.030	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.30%			
46) 1,2-Dichloroethane-d4	6.004	65	118048	10.715	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.15%			
63) Toluene-d8	8.009	98	393076	9.760	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.60%			
87) 4-Bromofluorobenzene	11.325	95	149917	10.357	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.57%			
Target Compounds						Qvalue
4) Vinyl chloride	1.975	62	1170	0.175	ug/L	95
36) Carbon tetrachloride	5.419	117	984	0.150	ug/L #	43
44) Benzene	5.864	78	3328	0.178	ug/L #	86
51) Trichloroethene	6.469	95	1185	0.209	ug/L #	83

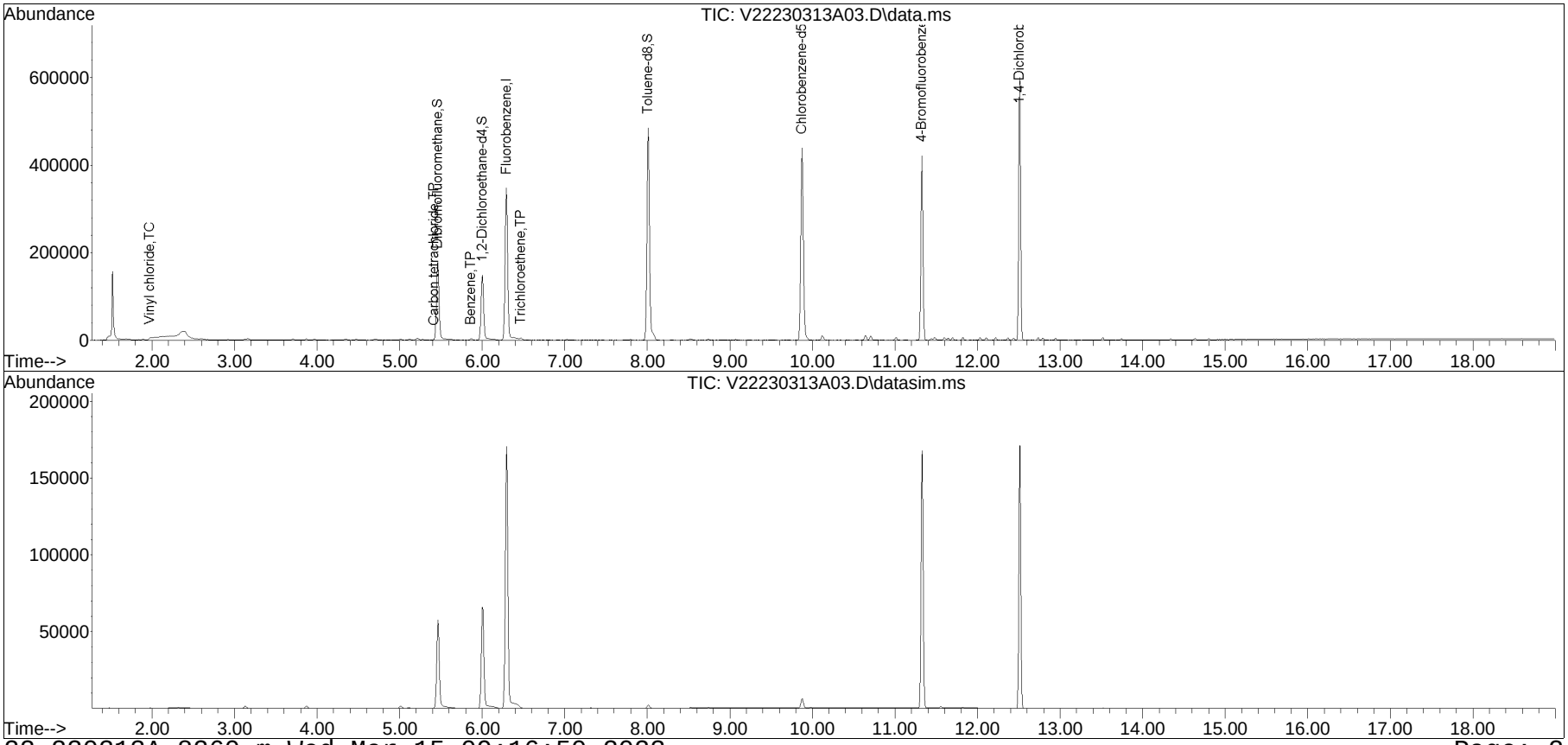
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A03.D
Acq On : 13 Mar 2023 01:58 pm
Operator : VOA122:PID
Sample : I8260STD0.19PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 14 11:05:28 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

Sub List : 8260-L11 - Level 11 for 8260-LRR productL\V22230313A08.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2023\2Q	Method	: V122_230313A_8260.m
Data File	: V22230313A03.D	Operator	: VOA122:PID
Date Inj'd	: 3/13/2023 1:58 pm	Instrument	: VOA122
Sample	: I8260STD0.19PPB	Quant Date	: 3/14/2023 11:05 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A05.D
Acq On : 13 Mar 2023 02:48 pm
Operator : VOA122:PID
Sample : I8260STD0.5PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 11:05:39 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.292	96	354339	10.000 ug/L	0.00
Standard Area 1 = 410203			Recovery =	86.38%	
62) Chlorobenzene-d5	9.874	117	309389	10.000 ug/L	0.00
Standard Area 1 = 313936			Recovery =	98.55%	
83) 1,4-Dichlorobenzene-d4	12.508	152	154745	10.000 ug/L	0.00
Standard Area 1 = 159350			Recovery =	97.11%	
System Monitoring Compounds					
38) Dibromofluoromethane	5.460	113	123824	11.469 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	114.69%	
46) 1,2-Dichloroethane-d4	6.004	65	119916	11.123 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	111.23%	
63) Toluene-d8	8.009	98	397483	9.805 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.05%	
87) 4-Bromofluorobenzene	11.325	95	150404	10.414 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.14%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.682	85	2643	0.549 ug/L	88
3) Chloromethane	1.891	50	3338	0.566 ug/L	96
4) Vinyl chloride	1.975	62	3657	0.558 ug/L	98
5) Bromomethane	2.317	94	2431	0.642 ug/L	89
6) Chloroethane	2.442	64	2694	0.600 ug/L	83
7) Trichlorofluoromethane	2.595	101	4057	0.527 ug/L	99
8) Ethyl ether	2.923	74	971	0.515 ug/L #	1
10) 1,1-Dichloroethene	3.125	96	2413	0.521 ug/L	85
11) Carbon disulfide	3.153	76	7417	0.530 ug/L	99
12) Freon-113	3.167	101	2454	0.500 ug/L	90
13) Iodomethane	3.265	142	1061	0.246 ug/L #	88
14) Acrolein	3.460	56	407	0.728 ug/L #	83
15) Methylene chloride	3.704	84	3000	0.570 ug/L	79
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	3.871	96	2833	0.545 ug/L	93
19) Methyl acetate	0.000		0	N.D. d	
21) Methyl tert-butyl ether	3.969	73	3794	0.446 ug/L #	67
22) tert-Butyl alcohol	4.045	59	609	2.259 ug/L #	1
24) Diisopropyl ether	4.345	45	6223	0.466 ug/L #	73
25) 1,1-Dichloroethane	4.471	63	5329	0.548 ug/L	96
26) Halothane	4.519	117	1746	0.460 ug/L	98

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A05.D
Acq On : 13 Mar 2023 02:48 pm
Operator : VOA122:PID
Sample : I8260STD0.5PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 11:05:39 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.519	53	626	0.575	ug/L	#	86
28) Ethyl tert-butyl ether	4.701	59	5331	0.440	ug/L	#	81
29) Vinyl acetate	4.715	43	4000M6	0.500	ug/L		
30) cis-1,2-Dichloroethene	5.007	96	3007	0.536	ug/L	#	85
31) 2,2-Dichloropropane	5.112	77	4078	0.549	ug/L	#	77
32) Bromochloromethane	5.203	128	1380	0.535	ug/L	#	78
33) Cyclohexane	5.217	56	4585	0.475	ug/L		77
34) Chloroform	5.279	83	5113	0.563	ug/L		98
35) Ethyl acetate	0.000		0	N.D.	d		
36) Carbon tetrachloride	5.426	117	2902	0.453	ug/L	#	90
37) Tetrahydrofuran	5.440	42	671	0.728	ug/L	#	73
39) 1,1,1-Trichloroethane	5.495	97	3726	0.485	ug/L		94
41) 2-Butanone	0.000		0	N.D.	d		
42) 1,1-Dichloropropene	5.614	75	2670	0.403	ug/L		96
44) Benzene	5.864	78	8693	0.476	ug/L		95
45) tert-Amyl methyl ether	5.982	73	4648	0.465	ug/L		89
47) 1,2-Dichloroethane	6.070	62	3287	0.544	ug/L		86
50) Methyl cyclohexane	6.469	83	4194	0.482	ug/L	#	81
51) Trichloroethene	6.469	95	2906	0.524	ug/L		86
53) Dibromomethane	6.919	93	1383	0.504	ug/L	#	81
54) 1,2-Dichloropropane	7.029	63	2073	0.421	ug/L		95
56) 2-Chloroethyl vinyl ether	7.722	63	831	0.436	ug/L	#	41
57) Bromodichloromethane	7.095	83	3030	0.468	ug/L	#	95
60) 1,4-Dioxane	7.302	88	3398	104.275	ug/L	#	63
61) cis-1,3-Dichloropropene	7.795	75	3169	0.432	ug/L	#	80
64) Toluene	8.068	92	6060	0.450	ug/L		93
65) 4-Methyl-2-pentanone	0.000		0	N.D.	d		
66) Tetrachloroethene	8.518	166	2382	0.456	ug/L		93
68) trans-1,3-Dichloropropene	8.549	75	3164	0.410	ug/L		94
70) Ethyl methacrylate	8.740	69	2222	0.500	ug/L		80
71) 1,1,2-Trichloroethane	8.740	83	1307	0.413	ug/L		88
72) Chlorodibromomethane	8.962	129	1657	0.361	ug/L		93
73) 1,3-Dichloropropane	9.073	76	2825	0.421	ug/L		90
74) 1,2-Dibromoethane	9.239	107	1463	0.391	ug/L		92
76) 2-Hexanone	9.525	43	1571	0.709	ug/L	#	57
77) Chlorobenzene	9.890	112	7031	0.463	ug/L	#	56
78) Ethylbenzene	9.937	91	12949	0.488	ug/L		95
79) 1,1,1,2-Tetrachloroethane	9.977	131	1722	0.355	ug/L	#	64
80) p/m Xylene	10.120	106	9690	0.926	ug/L		91
81) o Xylene	10.643	106	9259	0.921	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A05.D
Acq On : 13 Mar 2023 02:48 pm
Operator : VOA122:PID
Sample : I8260STD0.5PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 11:05:39 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.706	104	15428	0.925	ug/L		97
84) Bromoform	10.722	173	778	0.307	ug/L		84
86) Isopropylbenzene	11.016	105	13262	0.495	ug/L		96
88) Bromobenzene	11.436	156	2725	0.457	ug/L		93
89) n-Propylbenzene	11.476	91	14958	0.470	ug/L		94
90) 1,4-Dichlorobutane	11.492	55	2908	0.480	ug/L		92
91) 1,1,2,2-Tetrachloroethane	11.555	83	1902	0.472	ug/L		95
92) 4-Ethyltoluene	11.603	105	11574	0.453	ug/L		100
93) 2-Chlorotoluene	11.642	91	8999	0.500	ug/L		95
94) 1,3,5-Trimethylbenzene	11.698	105	9257	0.450	ug/L		96
95) 1,2,3-Trichloropropane	11.698	75	1711	0.503	ug/L		85
96) trans-1,4-Dichloro-2-b...	11.745	53	498	0.426	ug/L	#	61
97) 4-Chlorotoluene	11.825	91	9109	0.481	ug/L		98
98) tert-Butylbenzene	12.028	119	10403	0.462	ug/L		98
101) 1,2,4-Trimethylbenzene	12.104	105	8973	0.450	ug/L		98
102) sec-Butylbenzene	12.216	105	12210	0.449	ug/L		96
103) p-Isopropyltoluene	12.369	119	10002	0.442	ug/L		98
104) 1,3-Dichlorobenzene	12.439	146	5606	0.471	ug/L		97
105) 1,4-Dichlorobenzene	12.529	146	5824M3	0.493	ug/L		
106) p-Diethylbenzene	12.738	119	5798	0.444	ug/L		96
107) n-Butylbenzene	12.794	91	8390	0.441	ug/L		95
108) 1,2-Dichlorobenzene	12.947	146	5010	0.480	ug/L		97
109) 1,2,4,5-Tetramethylben...	13.518	119	7945	0.471	ug/L		97
110) 1,2-Dibromo-3-chloropr...	13.712	155	163	0.275	ug/L	#	47
111) 1,3,5-Trichlorobenzene	13.747	180	3027	0.461	ug/L		97
112) Hexachlorobutadiene	14.311	225	1026	0.437	ug/L		87
113) 1,2,4-Trichlorobenzene	14.339	180	2881	0.502	ug/L		95
114) Naphthalene	14.631	128	6912	0.521	ug/L		100
115) 1,2,3-Trichlorobenzene	14.798	180	2530	0.507	ug/L		98

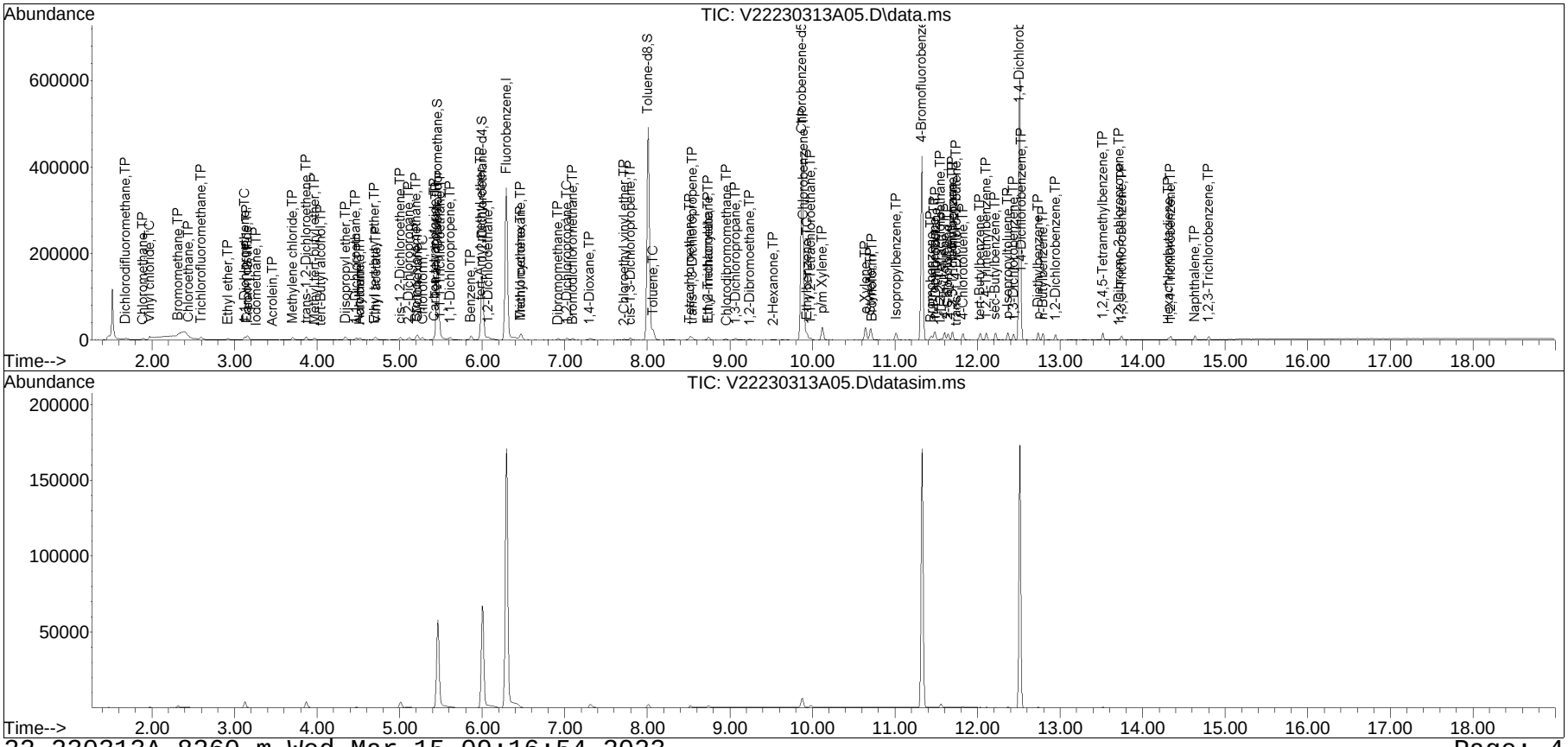
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A05.D
Acq On : 13 Mar 2023 02:48 pm
Operator : VOA122:PID
Sample : I8260STD0.5PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 11:05:39 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

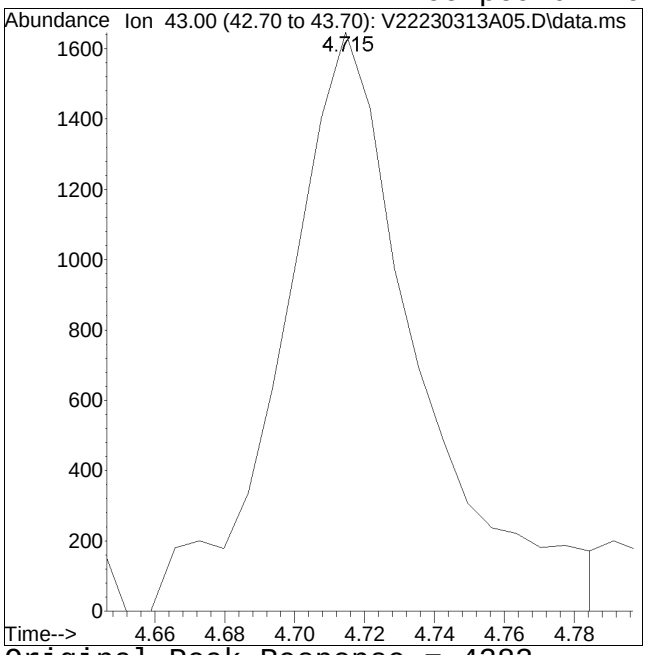
Sub List : 8260-Curve - Megamix plus Diox30313A-ICAL\V22230313A08.D•



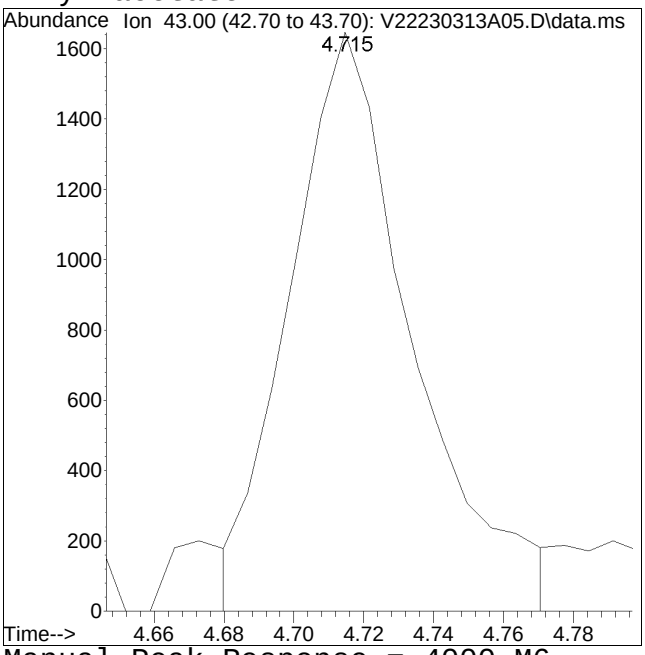
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230313A_8260.m
Data File : V22230313A05.D Operator : VOA122:PID
Date Inj'd : 3/13/2023 2:48 pm Instrument : VOA122
Sample : I8260STD0.5PPB Quant Date : 3/14/2023 11:06 am

Compound #29: Vinyl acetate



Original Peak Response = 4383



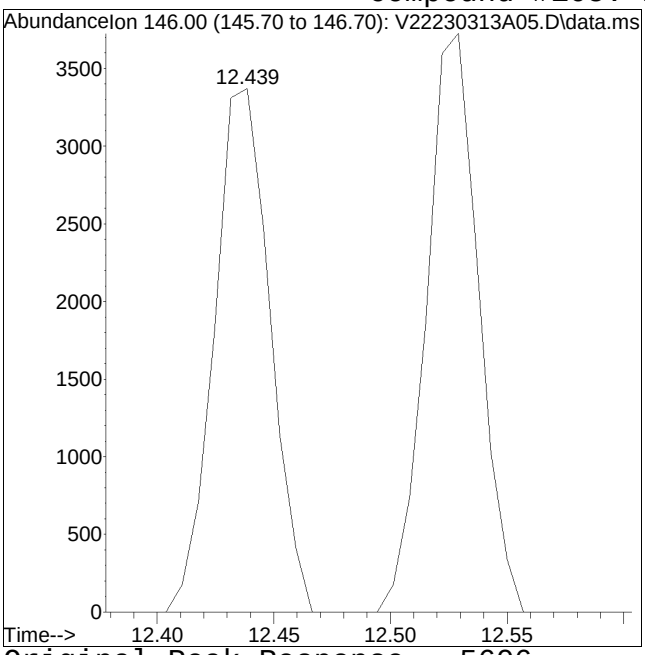
Manual Peak Response = 4000 M6

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

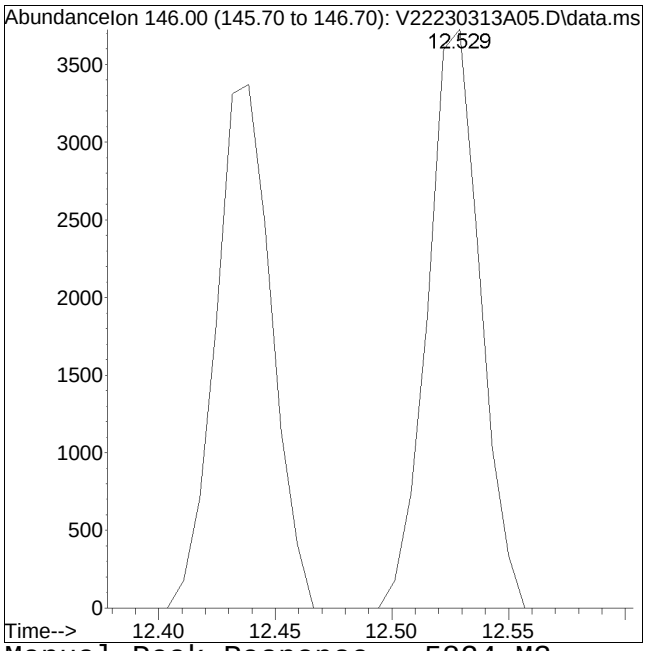
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230313A_8260.m
Data File : V22230313A05.D Operator : VOA122:PID
Date Inj'd : 3/13/2023 2:48 pm Instrument : VOA122
Sample : I8260STD0.5PPB Quant Date : 3/14/2023 11:06 am

Compound #105: 1,4-Dichlorobenzene



Original Peak Response = 5606



Manual Peak Response = 5824 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A07.D
Acq On : 13 Mar 2023 03:37 pm
Operator : VOA122:PID
Sample : I8260STD2PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 14 11:05:50 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.292	96	373925	10.000 ug/L	0.00
Standard Area 1 = 410203			Recovery =	91.16%	
62) Chlorobenzene-d5	9.874	117	303955	10.000 ug/L	0.00
Standard Area 1 = 313936			Recovery =	96.82%	
83) 1,4-Dichlorobenzene-d4	12.508	152	154518	10.000 ug/L	0.00
Standard Area 1 = 159350			Recovery =	96.97%	
System Monitoring Compounds					
38) Dibromofluoromethane	5.460	113	123470	10.837 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	108.37%	
46) 1,2-Dichloroethane-d4	6.004	65	122125	10.734 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	107.34%	
63) Toluene-d8	8.009	98	392275	9.849 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.49%	
87) 4-Bromofluorobenzene	11.325	95	147639	10.238 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.38%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.689	85	12073	2.374 ug/L	97
3) Chloromethane	1.898	50	15520	2.492 ug/L	97
4) Vinyl chloride	1.975	62	16834	2.434 ug/L	99
5) Bromomethane	2.317	94	8685	2.172 ug/L	95
6) Chloroethane	2.442	64	11514	2.428 ug/L	99
7) Trichlorofluoromethane	2.595	101	18659	2.296 ug/L	96
8) Ethyl ether	2.923	74	4241	2.131 ug/L #	1
10) 1,1-Dichloroethene	3.125	96	11795	2.415 ug/L	85
11) Carbon disulfide	3.160	76	35650	2.412 ug/L	100
12) Freon-113	3.167	101	12132	2.343 ug/L	91
13) Iodomethane	3.272	142	6645	1.460 ug/L	97
14) Acrolein	3.460	56	1216	2.062 ug/L #	77
15) Methylene chloride	3.711	84	13200	2.377 ug/L	82
17) Acetone	3.746	43	3347	3.137 ug/L #	75
18) trans-1,2-Dichloroethene	3.871	96	13135	2.395 ug/L	90
19) Methyl acetate	3.871	43	5624	2.554 ug/L #	83
21) Methyl tert-butyl ether	3.976	73	17808	1.983 ug/L #	83
22) tert-Butyl alcohol	4.052	59	2895	10.175 ug/L #	51
24) Diisopropyl ether	4.345	45	27951	1.982 ug/L	91
25) 1,1-Dichloroethane	4.478	63	24798	2.416 ug/L	97
26) Halothane	4.526	117	8862	2.211 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A07.D
Acq On : 13 Mar 2023 03:37 pm
Operator : VOA122:PID
Sample : I8260STD2PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 14 11:05:50 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.519	53	2482	2.161	ug/L		97
28) Ethyl tert-butyl ether	4.708	59	24393	1.908	ug/L		93
29) Vinyl acetate	4.715	43	16005	1.898	ug/L	#	89
30) cis-1,2-Dichloroethene	5.014	96	14188	2.396	ug/L		88
31) 2,2-Dichloropropane	5.119	77	18801	2.399	ug/L		88
32) Bromochloromethane	5.210	128	6349	2.330	ug/L	#	79
33) Cyclohexane	5.223	56	22342	2.193	ug/L		83
34) Chloroform	5.279	83	23724	2.474	ug/L		93
35) Ethyl acetate	5.391	43	5368	1.875	ug/L	#	93
36) Carbon tetrachloride	5.426	117	15084	2.231	ug/L	#	94
37) Tetrahydrofuran	5.447	42	2338	2.404	ug/L		89
39) 1,1,1-Trichloroethane	5.488	97	18690	2.306	ug/L		97
41) 2-Butanone	5.586	43	3288	2.492	ug/L	#	40
42) 1,1-Dichloropropene	5.621	75	13805	1.976	ug/L		97
44) Benzene	5.871	78	40334	2.091	ug/L		95
45) tert-Amyl methyl ether	5.974	73	20597	1.952	ug/L		96
47) 1,2-Dichloroethane	6.070	62	14610	2.292	ug/L		98
50) Methyl cyclohexane	6.469	83	19194	2.090	ug/L		83
51) Trichloroethene	6.469	95	12180	2.080	ug/L		91
53) Dibromomethane	6.919	93	6496	2.243	ug/L	#	81
54) 1,2-Dichloropropane	7.029	63	10817	2.080	ug/L		95
56) 2-Chloroethyl vinyl ether	7.722	63	3799	1.890	ug/L	#	76
57) Bromodichloromethane	7.095	83	14339	2.099	ug/L	#	95
60) 1,4-Dioxane	7.309	88	14308	416.074	ug/L	#	72
61) cis-1,3-Dichloropropene	7.795	75	14863	1.922	ug/L	#	88
64) Toluene	8.068	92	28088	2.123	ug/L		100
65) 4-Methyl-2-pentanone	8.495	58	1461	1.887	ug/L	#	59
66) Tetrachloroethene	8.526	166	10590	2.062	ug/L		91
68) trans-1,3-Dichloropropene	8.549	75	13885	1.833	ug/L		90
70) Ethyl methacrylate	8.740	69	9028	2.068	ug/L		94
71) 1,1,2-Trichloroethane	8.740	83	5576	1.791	ug/L		96
72) Chlorodibromomethane	8.954	129	7637	1.693	ug/L		98
73) 1,3-Dichloropropane	9.065	76	12521	1.900	ug/L		99
74) 1,2-Dibromoethane	9.239	107	6852	1.864	ug/L		99
76) 2-Hexanone	9.517	43	4525	2.079	ug/L	#	88
77) Chlorobenzene	9.898	112	32544	2.179	ug/L		91
78) Ethylbenzene	9.937	91	58102	2.227	ug/L		97
79) 1,1,1,2-Tetrachloroethane	9.977	131	8801	1.846	ug/L		97
80) p/m Xylene	10.120	106	45667	4.443	ug/L		98
81) o Xylene	10.643	106	42687	4.321	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A07.D
Acq On : 13 Mar 2023 03:37 pm
Operator : VOA122:PID
Sample : I8260STD2PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 14 11:05:50 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.706	104	68583	4.188	ug/L	97
84) Bromoform	10.730	173	4135	1.632	ug/L	98
86) Isopropylbenzene	11.016	105	59267	2.213	ug/L	98
88) Bromobenzene	11.436	156	13242	2.223	ug/L	98
89) n-Propylbenzene	11.476	91	70499	2.219	ug/L	97
90) 1,4-Dichlorobutane	11.492	55	12109	2.004	ug/L	96
91) 1,1,2,2-Tetrachloroethane	11.555	83	7785	1.933	ug/L	97
92) 4-Ethyltoluene	11.603	105	56640	2.221	ug/L	98
93) 2-Chlorotoluene	11.642	91	39257M6	2.184	ug/L	
94) 1,3,5-Trimethylbenzene	11.698	105	42370	2.062	ug/L	97
95) 1,2,3-Trichloropropane	11.698	75	6440	1.897	ug/L	92
96) trans-1,4-Dichloro-2-b...	11.745	53	2098	1.796	ug/L	90
97) 4-Chlorotoluene	11.825	91	41472	2.195	ug/L	98
98) tert-Butylbenzene	12.035	119	50092	2.228	ug/L	97
101) 1,2,4-Trimethylbenzene	12.104	105	40962	2.057	ug/L	98
102) sec-Butylbenzene	12.216	105	60131	2.212	ug/L	98
103) p-Isopropyltoluene	12.369	119	47972	2.121	ug/L	98
104) 1,3-Dichlorobenzene	12.439	146	25182	2.119	ug/L	96
105) 1,4-Dichlorobenzene	12.529	146	25172M3	2.135	ug/L	
106) p-Diethylbenzene	12.731	119	26685	2.047	ug/L	97
107) n-Butylbenzene	12.794	91	40294	2.120	ug/L	97
108) 1,2-Dichlorobenzene	12.947	146	21986	2.107	ug/L	96
109) 1,2,4,5-Tetramethylben...	13.518	119	35323	2.099	ug/L	99
110) 1,2-Dibromo-3-chloropr...	13.712	155	1102	1.861	ug/L	81
111) 1,3,5-Trichlorobenzene	13.747	180	14057	2.145	ug/L	96
112) Hexachlorobutadiene	14.318	225	4825	2.057	ug/L	99
113) 1,2,4-Trichlorobenzene	14.339	180	12418	2.166	ug/L	99
114) Naphthalene	14.631	128	28288	2.136	ug/L	100
115) 1,2,3-Trichlorobenzene	14.798	180	10915	2.189	ug/L	98

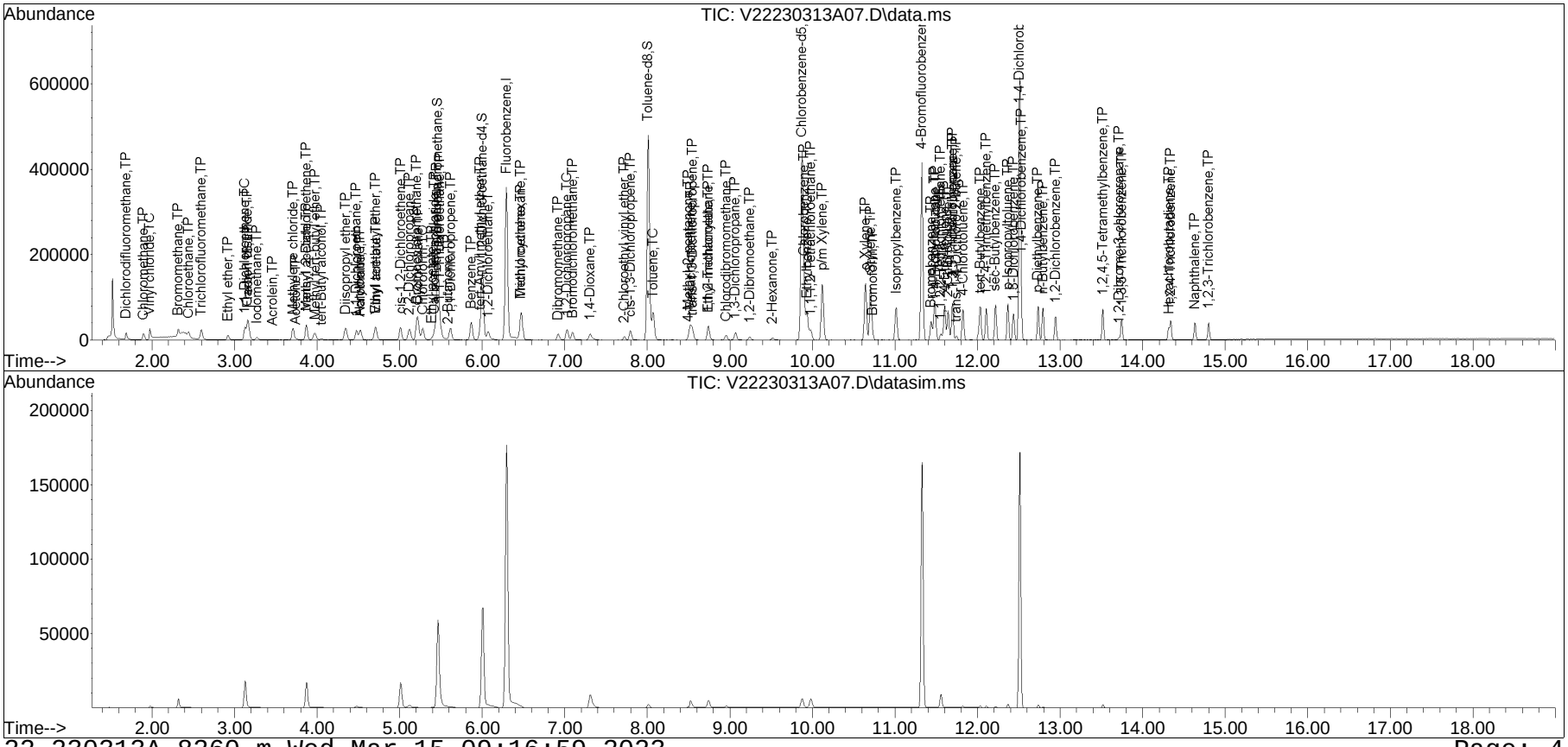
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A07.D
Acq On : 13 Mar 2023 03:37 pm
Operator : VOA122:PID
Sample : I8260STD2PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 14 11:05:50 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

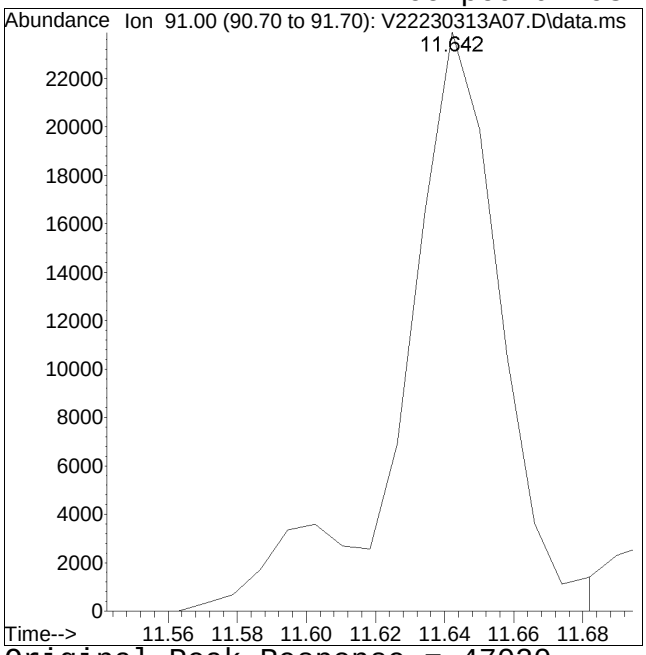
Sub List : 8260-Curve - Megamix plus Diox30313A-ICAL\V22230313A08.D•



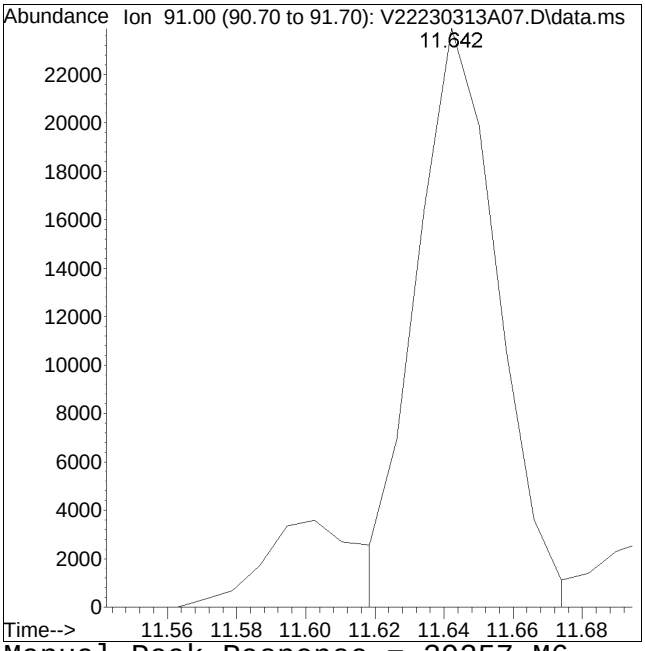
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230313A_8260.m
Data File : V22230313A07.D Operator : VOA122:PID
Date Inj'd : 3/13/2023 3:37 pm Instrument : VOA122
Sample : I8260STD2PPB Quant Date : 3/14/2023 11:06 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 47020



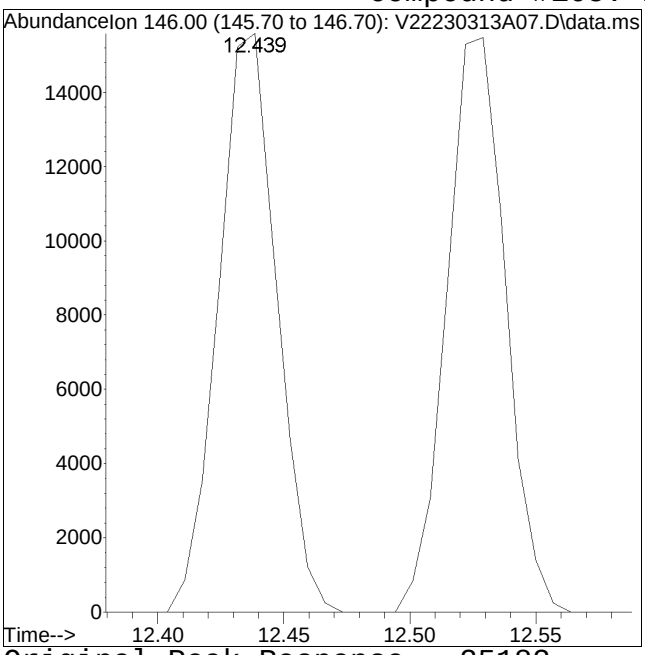
Manual Peak Response = 39257 M6

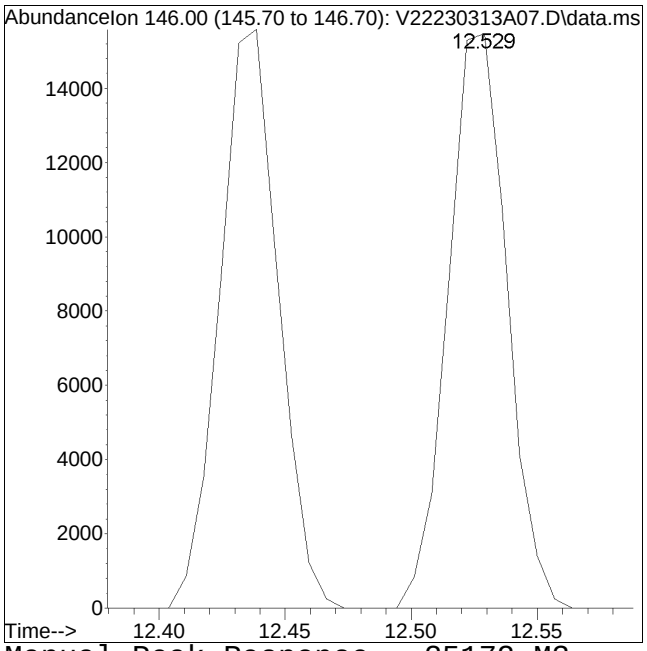
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230313A_8260.m
Data File : V22230313A07.D Operator : VOA122:PID
Date Inj'd : 3/13/2023 3:37 pm Instrument : VOA122
Sample : I8260STD2PPB Quant Date : 3/14/2023 11:06 am

Compound #105: 1,4-Dichlorobenzene





Original Peak Response = 25182 Manual Peak Response = 25172 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A08.D
Acq On : 13 Mar 2023 04:02 pm
Operator : VOA122:PID
Sample : I8260STD10PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 14 11:06:01 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.292	96	410203	10.000 ug/L	0.00
Standard Area 1 = 410203			Recovery = 100.00%		
62) Chlorobenzene-d5	9.874	117	313936	10.000 ug/L	0.00
Standard Area 1 = 313936			Recovery = 100.00%		
83) 1,4-Dichlorobenzene-d4	12.508	152	159350	10.000 ug/L	0.00
Standard Area 1 = 159350			Recovery = 100.00%		
System Monitoring Compounds					
38) Dibromofluoromethane	5.460	113	125814	10.066 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.66%		
46) 1,2-Dichloroethane-d4	6.004	65	124917	10.008 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.08%		
63) Toluene-d8	8.009	98	419398	10.196 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.96%		
87) 4-Bromofluorobenzene	11.325	95	154012	10.356 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.56%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.689	85	56675	10.160 ug/L	98
3) Chloromethane	1.898	50	69927	10.236 ug/L	98
4) Vinyl chloride	1.975	62	79175	10.434 ug/L	99
5) Bromomethane	2.317	94	39321	8.964 ug/L	98
6) Chloroethane	2.442	64	53054	10.199 ug/L	99
7) Trichlorofluoromethane	2.595	101	90829	10.189 ug/L	98
8) Ethyl ether	2.923	74	22467	10.290 ug/L #	1
10) 1,1-Dichloroethene	3.125	96	55335	10.329 ug/L	84
11) Carbon disulfide	3.160	76	165764	10.223 ug/L	100
12) Freon-113	3.167	101	57846	10.185 ug/L	92
13) Iodomethane	3.272	142	44565	8.926 ug/L	95
14) Acrolein	3.460	56	6334	9.790 ug/L	93
15) Methylene chloride	3.711	84	62740	10.301 ug/L	82
17) Acetone	3.746	43	12546	10.719 ug/L	94
18) trans-1,2-Dichloroethene	3.871	96	61675	10.250 ug/L	89
19) Methyl acetate	3.871	43	24825	10.279 ug/L	92
21) Methyl tert-butyl ether	3.969	73	100276	10.177 ug/L	92
22) tert-Butyl alcohol	4.052	59	17033	54.570 ug/L	99
24) Diisopropyl ether	4.345	45	150018	9.697 ug/L	95
25) 1,1-Dichloroethane	4.478	63	116520	10.348 ug/L	98
26) Halothane	4.526	117	45601	10.369 ug/L	98

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A08.D
Acq On : 13 Mar 2023 04:02 pm
Operator : VOA122:PID
Sample : I8260STD10PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 14 11:06:01 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.519	53	13082	10.385	ug/L		97
28) Ethyl tert-butyl ether	4.708	59	134984	9.624	ug/L		96
29) Vinyl acetate	4.715	43	85154	9.203	ug/L	#	93
30) cis-1,2-Dichloroethene	5.007	96	67793	10.437	ug/L		88
31) 2,2-Dichloropropane	5.119	77	89617	10.422	ug/L		92
32) Bromochloromethane	5.209	128	31632	10.584	ug/L	#	85
33) Cyclohexane	5.223	56	114910	10.283	ug/L		84
34) Chloroform	5.279	83	106618	10.135	ug/L		97
35) Ethyl acetate	5.391	43	30769	9.798	ug/L		97
36) Carbon tetrachloride	5.426	117	78178	10.539	ug/L		96
37) Tetrahydrofuran	5.440	42	10906	10.222	ug/L		97
39) 1,1,1-Trichloroethane	5.495	97	91275	10.265	ug/L		96
41) 2-Butanone	5.579	43	13768	9.513	ug/L	#	59
42) 1,1-Dichloropropene	5.614	75	74525	9.726	ug/L		99
44) Benzene	5.871	78	220925	10.439	ug/L		96
45) tert-Amyl methyl ether	5.982	73	111989	9.676	ug/L		97
47) 1,2-Dichloroethane	6.070	62	72066	10.306	ug/L		98
50) Methyl cyclohexane	6.469	83	96873	9.614	ug/L	#	83
51) Trichloroethene	6.476	95	61520	9.577	ug/L		94
53) Dibromomethane	6.918	93	33393	10.509	ug/L	#	82
54) 1,2-Dichloropropane	7.029	63	59530	10.435	ug/L		95
56) 2-Chloroethyl vinyl ether	7.721	63	22262	10.096	ug/L		90
57) Bromodichloromethane	7.095	83	76165	10.164	ug/L		99
60) 1,4-Dioxane	7.309	88	19581	519.053	ug/L	#	73
61) cis-1,3-Dichloropropene	7.795	75	85648	10.097	ug/L	#	91
64) Toluene	8.068	92	139150	10.185	ug/L		99
65) 4-Methyl-2-pentanone	8.495	58	8222	10.280	ug/L		83
66) Tetrachloroethene	8.526	166	52063	9.817	ug/L		93
68) trans-1,3-Dichloropropene	8.549	75	77457	9.900	ug/L		94
70) Ethyl methacrylate	8.740	69	46728	10.366	ug/L		99
71) 1,1,2-Trichloroethane	8.740	83	31851	9.908	ug/L		97
72) Chlorodibromomethane	8.954	129	45741	9.817	ug/L		98
73) 1,3-Dichloropropane	9.065	76	68739	10.099	ug/L		100
74) 1,2-Dibromoethane	9.239	107	37924	9.987	ug/L		99
76) 2-Hexanone	9.517	43	22484	10.002	ug/L		92
77) Chlorobenzene	9.898	112	156306	10.133	ug/L		97
78) Ethylbenzene	9.937	91	273996	10.167	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.977	131	47930	9.736	ug/L		98
80) p/m Xylene	10.120	106	218509	20.581	ug/L		97
81) o Xylene	10.643	106	209941	20.574	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A08.D
Acq On : 13 Mar 2023 04:02 pm
Operator : VOA122:PID
Sample : I8260STD10PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 14 11:06:01 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.706	104	347535	20.546	ug/L	97
84) Bromoform	10.730	173	24076	9.216	ug/L	97
86) Isopropylbenzene	11.016	105	282035	10.213	ug/L	99
88) Bromobenzene	11.436	156	63201	10.288	ug/L	99
89) n-Propylbenzene	11.476	91	340402	10.389	ug/L	97
90) 1,4-Dichlorobutane	11.491	55	61682	9.896	ug/L	98
91) 1,1,2,2-Tetrachloroethane	11.555	83	41730	10.047	ug/L	99
92) 4-Ethyltoluene	11.603	105	271604	10.328	ug/L	99
93) 2-Chlorotoluene	11.642	91	189709M6	10.234	ug/L	
94) 1,3,5-Trimethylbenzene	11.698	105	206708	9.754	ug/L	98
95) 1,2,3-Trichloropropane	11.698	75	34413	9.831	ug/L	95
96) trans-1,4-Dichloro-2-b...	11.745	53	12166	10.099	ug/L	93
97) 4-Chlorotoluene	11.825	91	201439	10.337	ug/L	98
98) tert-Butylbenzene	12.035	119	240351	10.365	ug/L	98
101) 1,2,4-Trimethylbenzene	12.104	105	201356	9.804	ug/L	97
102) sec-Butylbenzene	12.216	105	292540	10.436	ug/L	98
103) p-Isopropyltoluene	12.369	119	237378	10.176	ug/L	98
104) 1,3-Dichlorobenzene	12.439	146	125654	10.253	ug/L	97
105) 1,4-Dichlorobenzene	12.529	146	123031	10.117	ug/L	96
106) p-Diethylbenzene	12.731	119	132691	9.870	ug/L	98
107) n-Butylbenzene	12.794	91	195034	9.951	ug/L	98
108) 1,2-Dichlorobenzene	12.947	146	109971	10.221	ug/L	97
109) 1,2,4,5-Tetramethylben...	13.517	119	174761	10.068	ug/L	98
110) 1,2-Dibromo-3-chloropr...	13.712	155	6754	11.059	ug/L	98
111) 1,3,5-Trichlorobenzene	13.747	180	68229	10.097	ug/L	96
112) Hexachlorobutadiene	14.318	225	24603	10.171	ug/L	98
113) 1,2,4-Trichlorobenzene	14.339	180	60040	10.154	ug/L	98
114) Naphthalene	14.631	128	142817	10.459	ug/L	100
115) 1,2,3-Trichlorobenzene	14.798	180	53000	10.305	ug/L	97

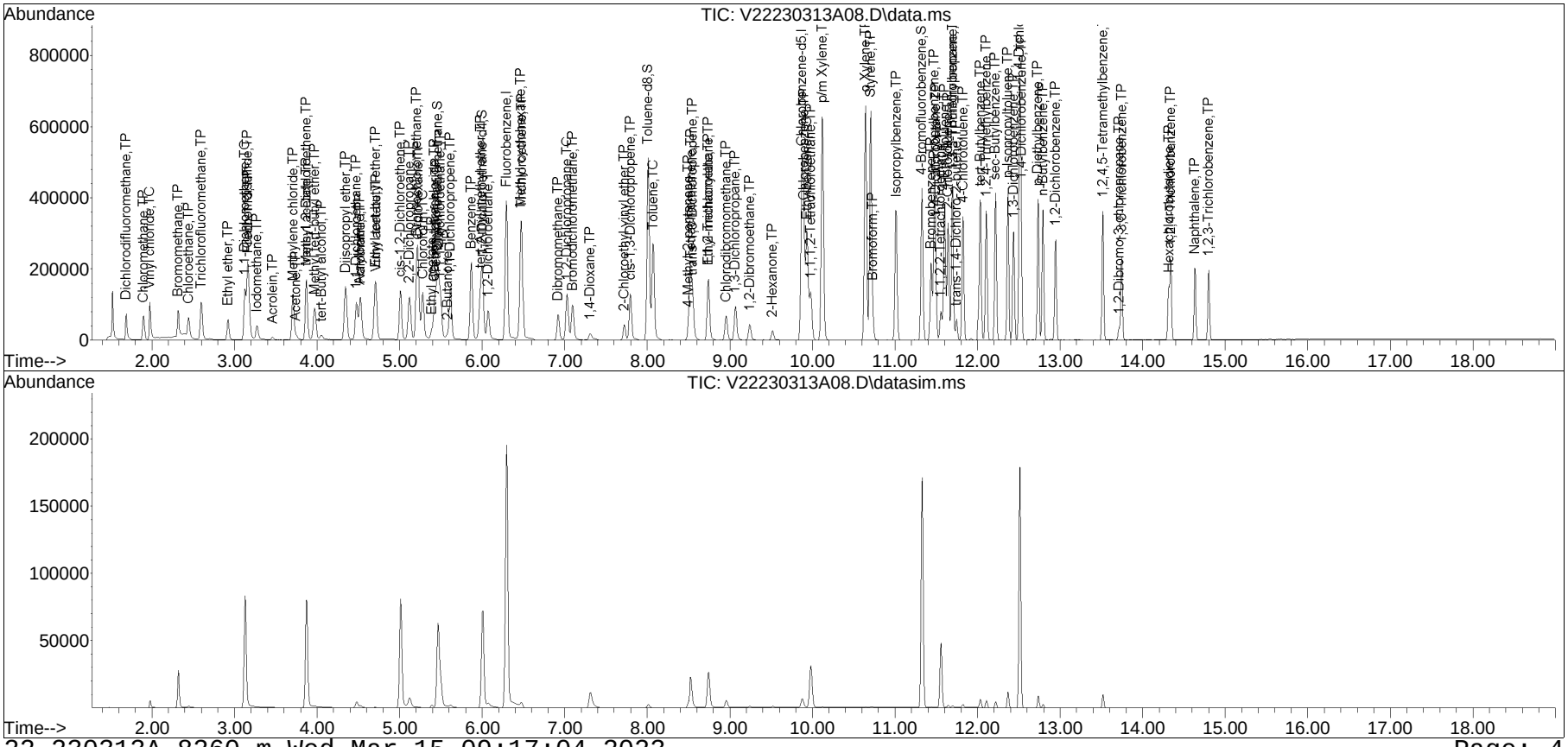
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A08.D
Acq On : 13 Mar 2023 04:02 pm
Operator : VOA122:PID
Sample : I8260STD10PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 14 11:06:01 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

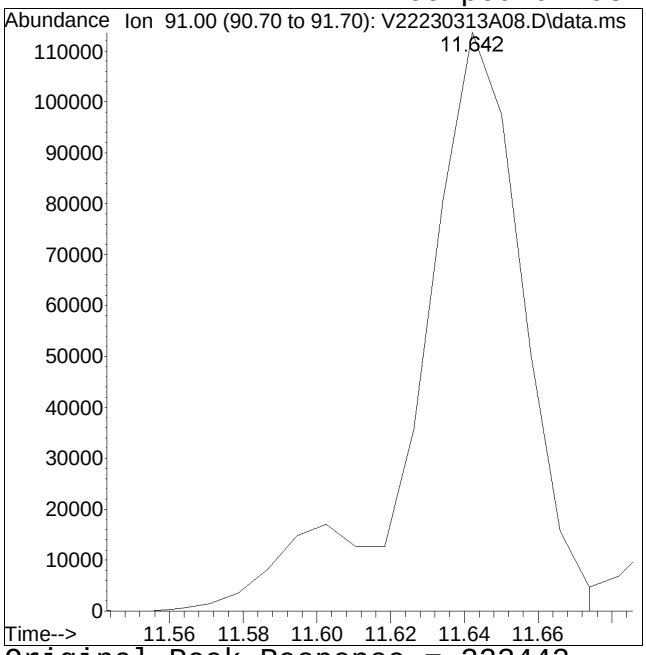
Sub List : 8260-Curve - Megamix plus Diox30313A-ICAL\V22230313A08.D•



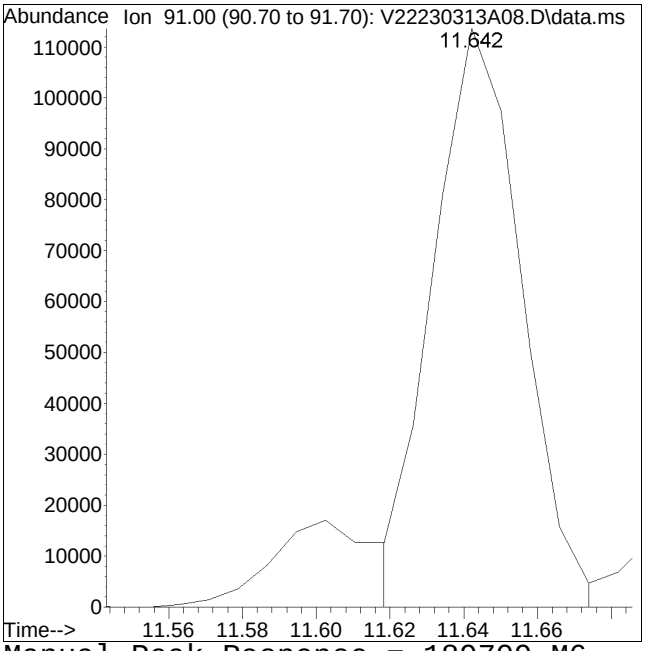
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230313A_8260.m
Data File : V22230313A08.D Operator : VOA122:PID
Date Inj'd : 3/13/2023 4:02 pm Instrument : VOA122
Sample : I8260STD10PPB Quant Date : 3/14/2023 11:06 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 223442



Manual Peak Response = 189709 M6

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A09.D
Acq On : 13 Mar 2023 04:27 pm
Operator : VOA122:PID
Sample : I8260STD30PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 14 11:06:11 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.292	96	436683	10.000 ug/L	0.00
Standard Area 1 = 410203			Recovery = 106.46%		
62) Chlorobenzene-d5	9.874	117	319358	10.000 ug/L	0.00
Standard Area 1 = 313936			Recovery = 101.73%		
83) 1,4-Dichlorobenzene-d4	12.508	152	162259	10.000 ug/L	0.00
Standard Area 1 = 159350			Recovery = 101.83%		
System Monitoring Compounds					
38) Dibromofluoromethane	5.461	113	125640	9.443 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.43%		
46) 1,2-Dichloroethane-d4	6.004	65	124153	9.344 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.44%		
63) Toluene-d8	8.009	98	427423	10.214 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.14%		
87) 4-Bromofluorobenzene	11.325	95	151298	9.991 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.91%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.689	85	179991	30.311 ug/L	98
3) Chloromethane	1.898	50	212048	29.156 ug/L	98
4) Vinyl chloride	1.975	62	243224	30.110 ug/L	100
5) Bromomethane	2.317	94	123817	26.515 ug/L	100
6) Chloroethane	2.442	64	160012	28.895 ug/L	100
7) Trichlorofluoromethane	2.596	101	287326	30.276 ug/L	100
8) Ethyl ether	2.923	74	68865	29.627 ug/L #	1
10) 1,1-Dichloroethene	3.125	96	167154	29.309 ug/L	81
11) Carbon disulfide	3.160	76	506319	29.331 ug/L	99
12) Freon-113	3.167	101	183480	30.345 ug/L	91
13) Iodomethane	3.272	142	182904	34.411 ug/L	96
14) Acrolein	3.460	56	18872	27.401 ug/L	95
15) Methylene chloride	3.704	84	189113	29.166 ug/L	84
17) Acetone	3.746	43	33418	26.821 ug/L	99
18) trans-1,2-Dichloroethene	3.871	96	189682	29.612 ug/L	90
19) Methyl acetate	3.871	43	73566	28.612 ug/L	93
21) Methyl tert-butyl ether	3.969	73	319220	30.434 ug/L	93
22) tert-Butyl alcohol	4.052	59	51314	154.431 ug/L	99
24) Diisopropyl ether	4.345	45	494372	30.016 ug/L	96
25) 1,1-Dichloroethane	4.478	63	349578	29.164 ug/L	98
26) Halothane	4.527	117	144171	30.794 ug/L	98

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A09.D
Acq On : 13 Mar 2023 04:27 pm
Operator : VOA122:PID
Sample : I8260STD30PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 14 11:06:11 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.520	53	38664	28.831	ug/L		97
28) Ethyl tert-butyl ether	4.708	59	449631	30.114	ug/L		97
29) Vinyl acetate	4.715	43	279709	28.396	ug/L	#	93
30) cis-1,2-Dichloroethene	5.007	96	202926	29.346	ug/L		90
31) 2,2-Dichloropropane	5.119	77	270828	29.586	ug/L		92
32) Bromochloromethane	5.210	128	94942	29.841	ug/L	#	85
33) Cyclohexane	5.224	56	371687	31.243	ug/L		84
34) Chloroform	5.279	83	321334	28.693	ug/L		97
35) Ethyl acetate	5.384	43	101140	30.255	ug/L		97
36) Carbon tetrachloride	5.426	117	251523	31.850	ug/L		98
37) Tetrahydrofuran	5.440	42	28847	25.399	ug/L		94
39) 1,1,1-Trichloroethane	5.495	97	291992	30.846	ug/L		96
41) 2-Butanone	5.579	43	43760	28.401	ug/L	#	53
42) 1,1-Dichloropropene	5.614	75	269746	33.068	ug/L		97
44) Benzene	5.871	78	701769	31.149	ug/L		97
45) tert-Amyl methyl ether	5.974	73	372119	30.202	ug/L		97
47) 1,2-Dichloroethane	6.070	62	218444	29.346	ug/L		99
50) Methyl cyclohexane	6.469	83	326777	30.464	ug/L		86
51) Trichloroethene	6.469	95	202242	29.573	ug/L		95
53) Dibromomethane	6.919	93	100691	29.766	ug/L	#	84
54) 1,2-Dichloropropane	7.029	63	191067	31.461	ug/L		97
56) 2-Chloroethyl vinyl ether	7.722	63	73087	31.136	ug/L		91
57) Bromodichloromethane	7.095	83	245945	30.829	ug/L		100
60) 1,4-Dioxane	7.309	88	24546	611.210	ug/L	#	71
61) cis-1,3-Dichloropropene	7.795	75	284981	31.559	ug/L	#	92
64) Toluene	8.068	92	429942	30.934	ug/L		99
65) 4-Methyl-2-pentanone	8.495	58	25241	31.022	ug/L		83
66) Tetrachloroethene	8.526	166	166319	30.828	ug/L		95
68) trans-1,3-Dichloropropene	8.550	75	257005	32.290	ug/L		95
70) Ethyl methacrylate	8.740	69	142360	31.043	ug/L		97
71) 1,1,2-Trichloroethane	8.740	83	106224	32.482	ug/L		97
72) Chlorodibromomethane	8.954	129	156623	33.044	ug/L		99
73) 1,3-Dichloropropane	9.065	76	222027	32.066	ug/L		100
74) 1,2-Dibromoethane	9.239	107	125550	32.501	ug/L		99
76) 2-Hexanone	9.517	43	66052	28.884	ug/L		94
77) Chlorobenzene	9.898	112	480472	30.619	ug/L		98
78) Ethylbenzene	9.937	91	833633	30.408	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.977	131	161204	32.188	ug/L		99
80) p/m Xylene	10.120	106	664605	61.536	ug/L		98
81) o Xylene	10.643	106	639272	61.584	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A09.D
Acq On : 13 Mar 2023 04:27 pm
Operator : VOA122:PID
Sample : I8260STD30PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 14 11:06:11 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.707	104	1076755	62.576	ug/L	97
84) Bromoform	10.730	173	85985	32.324	ug/L	100
86) Isopropylbenzene	11.016	105	868783	30.895	ug/L	99
88) Bromobenzene	11.436	156	193751	30.974	ug/L	99
89) n-Propylbenzene	11.476	91	1047535	31.398	ug/L	98
90) 1,4-Dichlorobutane	11.492	55	195963	30.877	ug/L	98
91) 1,1,2,2-Tetrachloroethane	11.555	83	131222	31.026	ug/L	99
92) 4-Ethyltoluene	11.603	105	844691	31.545	ug/L	99
93) 2-Chlorotoluene	11.642	91	582293M6	30.848	ug/L	
94) 1,3,5-Trimethylbenzene	11.698	105	661057	30.633	ug/L	99
95) 1,2,3-Trichloropropane	11.698	75	107308	30.107	ug/L	96
96) trans-1,4-Dichloro-2-b...	11.745	53	41298	33.665	ug/L	89
97) 4-Chlorotoluene	11.825	91	617214	31.104	ug/L	99
98) tert-Butylbenzene	12.035	119	735247	31.138	ug/L	97
101) 1,2,4-Trimethylbenzene	12.105	105	632909	30.265	ug/L	98
102) sec-Butylbenzene	12.216	105	899247	31.504	ug/L	98
103) p-Isopropyltoluene	12.369	119	741052	31.197	ug/L	98
104) 1,3-Dichlorobenzene	12.439	146	389049	31.177	ug/L	97
105) 1,4-Dichlorobenzene	12.529	146	381908	30.843	ug/L	98
106) p-Diethylbenzene	12.738	119	418420	30.566	ug/L	98
107) n-Butylbenzene	12.794	91	619075	31.020	ug/L	98
108) 1,2-Dichlorobenzene	12.947	146	338284	30.878	ug/L	97
109) 1,2,4,5-Tetramethylben...	13.518	119	534284	30.229	ug/L	98
110) 1,2-Dibromo-3-chloropr...	13.713	155	20983	33.742	ug/L	98
111) 1,3,5-Trichlorobenzene	13.747	180	207382	30.141	ug/L	97
112) Hexachlorobutadiene	14.318	225	76645	31.118	ug/L	99
113) 1,2,4-Trichlorobenzene	14.339	180	181159	30.089	ug/L	99
114) Naphthalene	14.631	128	424472	30.529	ug/L	100
115) 1,2,3-Trichlorobenzene	14.798	180	158071	30.184	ug/L	99

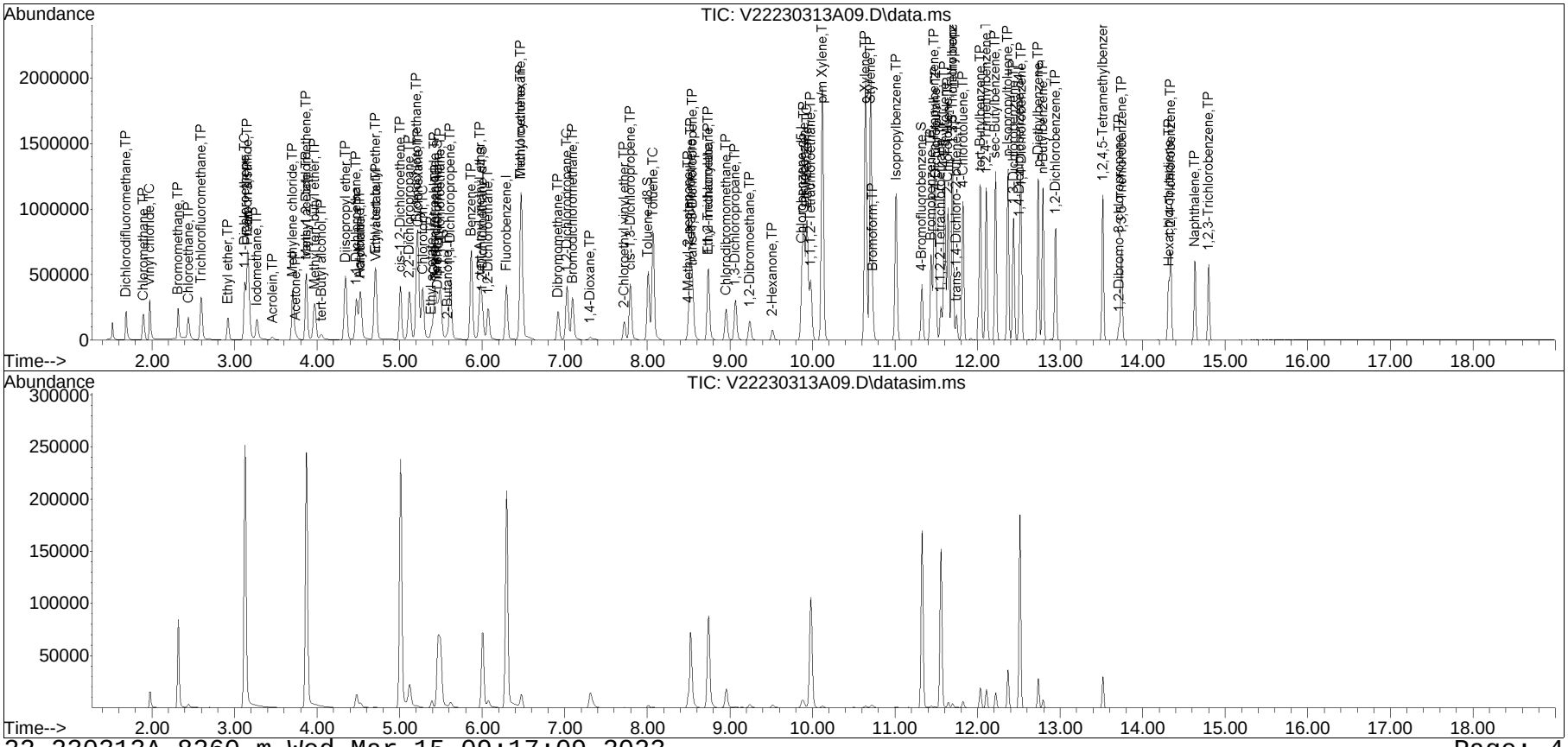
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A09.D
Acq On : 13 Mar 2023 04:27 pm
Operator : VOA122:PID
Sample : I8260STD30PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 14 11:06:11 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

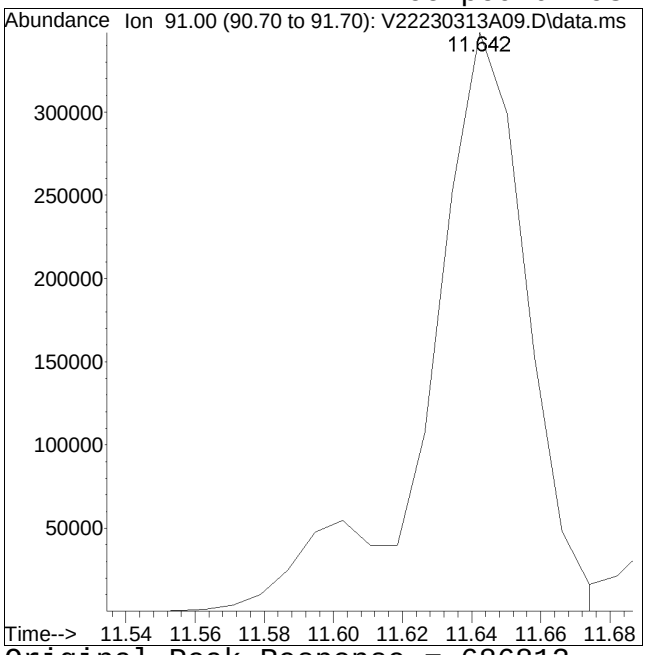
Sub List : 8260-Curve - Megamix plus Diox30313A-ICAL\V22230313A08.D•



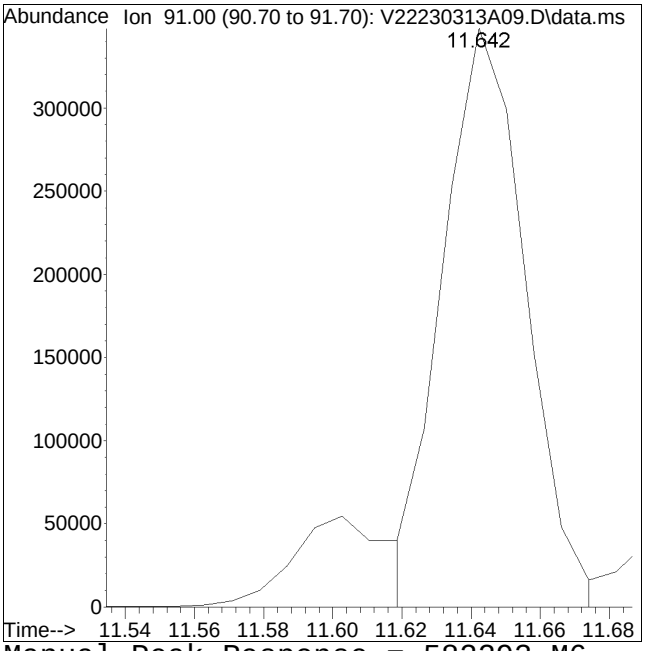
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230313A_8260.m
Data File : V22230313A09.D Operator : VOA122:PID
Date Inj'd : 3/13/2023 4:27 pm Instrument : VOA122
Sample : I8260STD30PPB Quant Date : 3/14/2023 11:06 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 686812



Manual Peak Response = 582293 M6

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A10.D
Acq On : 13 Mar 2023 04:52 pm
Operator : VOA122:PID
Sample : I8260STD80PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 14 11:06:22 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.292	96	471671	10.000 ug/L	0.00
Standard Area 1 = 410203			Recovery = 114.98%		
62) Chlorobenzene-d5	9.874	117	340639	10.000 ug/L	0.00
Standard Area 1 = 313936			Recovery = 108.51%		
83) 1,4-Dichlorobenzene-d4	12.508	152	174841	10.000 ug/L	0.00
Standard Area 1 = 159350			Recovery = 109.72%		
System Monitoring Compounds					
38) Dibromofluoromethane	5.461	113	130456	9.077 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.77%		
46) 1,2-Dichloroethane-d4	6.004	65	133844	9.326 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.26%		
63) Toluene-d8	8.009	98	454870	10.191 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.91%		
87) 4-Bromofluorobenzene	11.325	95	158041	9.685 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.85%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.689	85	443369	69.126 ug/L	98
3) Chloromethane	1.898	50	547307	69.672 ug/L	98
4) Vinyl chloride	1.975	62	624217	71.543 ug/L	99
5) Bromomethane	2.317	94	356668	70.714 ug/L	99
6) Chloroethane	2.442	64	412932	69.036 ug/L	100
7) Trichlorofluoromethane	2.596	101	748392	73.010 ug/L	99
8) Ethyl ether	2.923	74	192879	76.824 ug/L #	1
10) 1,1-Dichloroethene	3.125	96	444208	72.110 ug/L	85
11) Carbon disulfide	3.160	76	1323938	71.007 ug/L	99
12) Freon-113	3.167	101	467452	71.576 ug/L	92
13) Iodomethane	3.272	142	558280	97.242 ug/L	96
14) Acrolein	3.460	56	52178	70.141 ug/L	99
15) Methylene chloride	3.704	84	497205	70.993 ug/L	84
17) Acetone	3.746	43	87012	64.656 ug/L	95
18) trans-1,2-Dichloroethene	3.871	96	493493	71.327 ug/L	89
19) Methyl acetate	3.871	43	202239	72.823 ug/L	92
21) Methyl tert-butyl ether	3.969	73	928779	81.980 ug/L	95
22) tert-Butyl alcohol	4.052	59	140269	390.830 ug/L #	93
24) Diisopropyl ether	4.345	45	1457662	81.939 ug/L	95
25) 1,1-Dichloroethane	4.478	63	926523	71.562 ug/L	98
26) Halothane	4.527	117	384248	75.984 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A10.D
Acq On : 13 Mar 2023 04:52 pm
Operator : VOA122:PID
Sample : I8260STD80PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 14 11:06:22 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.520	53	106802	73.732	ug/L		96
28) Ethyl tert-butyl ether	4.708	59	1355075	84.025	ug/L		95
29) Vinyl acetate	4.715	43	878333	82.554	ug/L	#	93
30) cis-1,2-Dichloroethene	5.007	96	536913	71.886	ug/L		89
31) 2,2-Dichloropropane	5.119	77	702408	71.040	ug/L		93
32) Bromochloromethane	5.210	128	248740	72.382	ug/L	#	85
33) Cyclohexane	5.224	56	956951	74.472	ug/L		84
34) Chloroform	5.279	83	853625	70.569	ug/L		97
35) Ethyl acetate	5.384	43	297221	82.316	ug/L		96
36) Carbon tetrachloride	5.426	117	679898	79.707	ug/L		99
37) Tetrahydrofuran	5.433	42	80264	65.428	ug/L		93
39) 1,1,1-Trichloroethane	5.495	97	763730	74.695	ug/L		96
41) 2-Butanone	5.579	43	127050	76.342	ug/L	#	57
42) 1,1-Dichloropropene	5.614	75	721702	81.909	ug/L		98
44) Benzene	5.871	78	1931841	79.386	ug/L		96
45) tert-Amyl methyl ether	5.974	73	1087267	81.699	ug/L		98
47) 1,2-Dichloroethane	6.070	62	592613	73.707	ug/L		99
50) Methyl cyclohexane	6.469	83	889373	76.762	ug/L		85
51) Trichloroethene	6.477	95	552828	74.842	ug/L		95
53) Dibromomethane	6.919	93	273525	74.861	ug/L	#	84
54) 1,2-Dichloropropane	7.029	63	524032	79.885	ug/L		97
56) 2-Chloroethyl vinyl ether	7.722	63	211946	83.594	ug/L		93
57) Bromodichloromethane	7.095	83	680070	78.923	ug/L		99
60) 1,4-Dioxane	7.309	88	34348	791.842	ug/L	#	75
61) cis-1,3-Dichloropropene	7.795	75	804877	82.521	ug/L	#	91
64) Toluene	8.068	92	1179651	79.572	ug/L		98
65) 4-Methyl-2-pentanone	8.495	58	71064	81.884	ug/L		89
66) Tetrachloroethene	8.526	166	453989	78.892	ug/L		95
68) trans-1,3-Dichloropropene	8.550	75	731284	86.139	ug/L		95
70) Ethyl methacrylate	8.740	69	385291	78.768	ug/L		95
71) 1,1,2-Trichloroethane	8.740	83	300066	86.024	ug/L		97
72) Chlorodibromomethane	8.954	129	449600	88.929	ug/L		98
73) 1,3-Dichloropropane	9.073	76	624067	84.499	ug/L		99
74) 1,2-Dibromoethane	9.239	107	356274	86.466	ug/L		99
76) 2-Hexanone	9.517	43	174519	71.548	ug/L		94
77) Chlorobenzene	9.898	112	1317770	78.731	ug/L		98
78) Ethylbenzene	9.937	91	2264365	77.435	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.977	131	467167	87.453	ug/L		99
80) p/m Xylene	10.120	106	1799456	156.203	ug/L		100
81) o Xylene	10.643	106	1743132	157.433	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A10.D
Acq On : 13 Mar 2023 04:52 pm
Operator : VOA122:PID
Sample : I8260STD80PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 14 11:06:22 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.707	104	2937367	160.043	ug/L	96
84) Bromoform	10.730	173	263198	91.823	ug/L	100
86) Isopropylbenzene	11.016	105	2332042	76.963	ug/L	99
88) Bromobenzene	11.436	156	521298	77.340	ug/L	99
89) n-Propylbenzene	11.484	91	2812961	78.246	ug/L	99
90) 1,4-Dichlorobutane	11.492	55	551379	80.625	ug/L	99
91) 1,1,2,2-Tetrachloroethane	11.555	83	368678	80.897	ug/L	99
92) 4-Ethyltoluene	11.603	105	2265070	78.503	ug/L	100
93) 2-Chlorotoluene	11.642	91	1556191M6	76.510	ug/L	
94) 1,3,5-Trimethylbenzene	11.698	105	1885084	81.067	ug/L	99
95) 1,2,3-Trichloropropane	11.698	75	306690	79.854	ug/L	96
96) trans-1,4-Dichloro-2-b...	11.745	53	110065	83.266	ug/L	95
97) 4-Chlorotoluene	11.825	91	1653589	77.335	ug/L	99
98) tert-Butylbenzene	12.035	119	1977242	77.711	ug/L	95
101) 1,2,4-Trimethylbenzene	12.105	105	1828232	81.132	ug/L	98
102) sec-Butylbenzene	12.216	105	2416345	78.563	ug/L	99
103) p-Isopropyltoluene	12.369	119	2048313	80.025	ug/L	98
104) 1,3-Dichlorobenzene	12.439	146	1045846	77.780	ug/L	98
105) 1,4-Dichlorobenzene	12.529	146	1028470	77.081	ug/L	97
106) p-Diethylbenzene	12.738	119	1185509	80.371	ug/L	97
107) n-Butylbenzene	12.794	91	1725334	80.229	ug/L	99
108) 1,2-Dichlorobenzene	12.947	146	920712	77.993	ug/L	97
109) 1,2,4,5-Tetramethylben...	13.518	119	1480195	77.721	ug/L	98
110) 1,2-Dibromo-3-chloropr...	13.713	155	57804	86.262	ug/L	99
111) 1,3,5-Trichlorobenzene	13.747	180	566275	76.380	ug/L	96
112) Hexachlorobutadiene	14.318	225	208038	78.385	ug/L	99
113) 1,2,4-Trichlorobenzene	14.339	180	490950	75.676	ug/L	98
114) Naphthalene	14.631	128	1130053	75.428	ug/L	100
115) 1,2,3-Trichlorobenzene	14.798	180	422961	74.954	ug/L	99

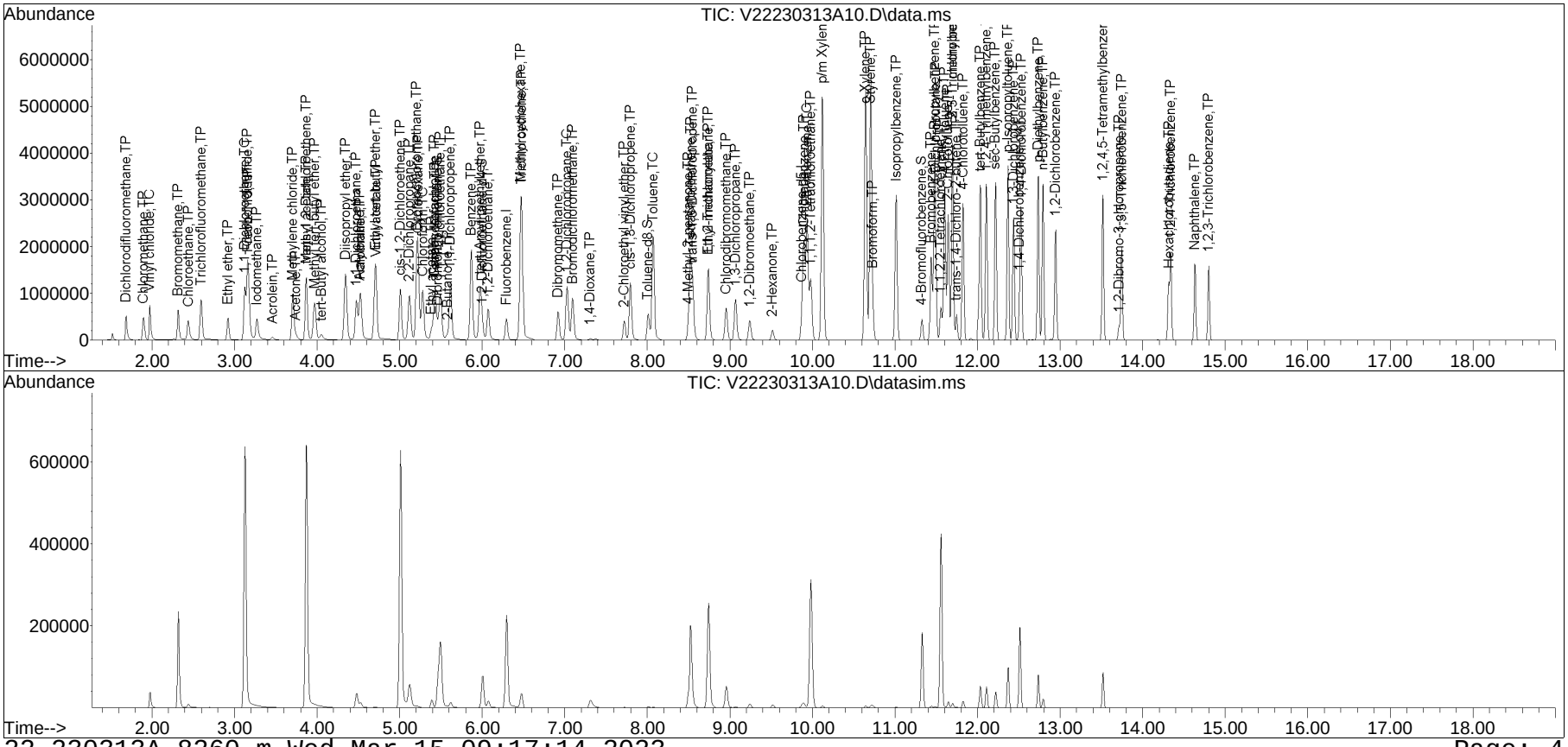
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A10.D
Acq On : 13 Mar 2023 04:52 pm
Operator : VOA122:PID
Sample : I8260STD80PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 14 11:06:22 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

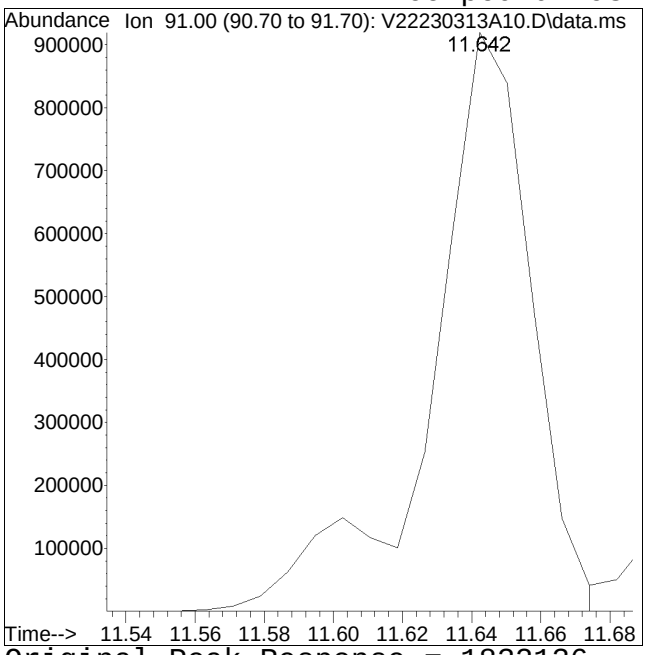
Sub List : 8260-Curve - Megamix plus Diox30313A-ICAL\V22230313A08.D•



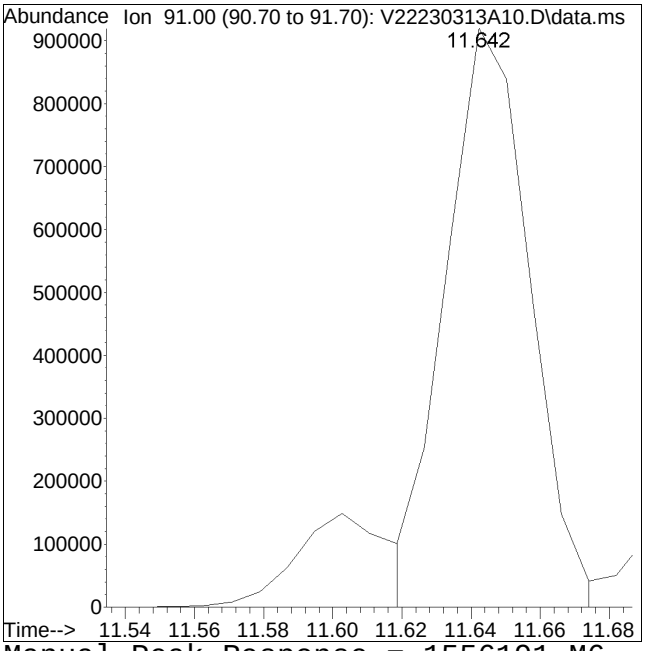
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230313A_8260.m
Data File : V22230313A10.D Operator : VOA122:PID
Date Inj'd : 3/13/2023 4:52 pm Instrument : VOA122
Sample : I8260STD80PPB Quant Date : 3/14/2023 11:06 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 1832136



Manual Peak Response = 1556191 M6

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A11.D
Acq On : 13 Mar 2023 05:17 pm
Operator : VOA122:PID
Sample : I8260STD120PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 14 11:06:32 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.292	96	480867	10.000	ug/L	0.00
Standard Area 1 = 410203			Recovery = 117.23%			
62) Chlorobenzene-d5	9.874	117	350702	10.000	ug/L	0.00
Standard Area 1 = 313936			Recovery = 111.71%			
83) 1,4-Dichlorobenzene-d4	12.515	152	178854	10.000	ug/L	0.00
Standard Area 1 = 159350			Recovery = 112.24%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.460	113	132153	9.019	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.19%			
46) 1,2-Dichloroethane-d4	6.004	65	135247	9.244	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.44%			
63) Toluene-d8	8.009	98	461737	10.048	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.48%			
87) 4-Bromofluorobenzene	11.325	95	160610	9.622	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.22%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.689	85	716078	109.509	ug/L	98
3) Chloromethane	1.898	50	844190	105.409	ug/L	98
4) Vinyl chloride	1.975	62	968647	108.896	ug/L	100
5) Bromomethane	2.317	94	588508	114.447	ug/L	99
6) Chloroethane	2.442	64	637926	104.612	ug/L	99
7) Trichlorofluoromethane	2.595	101	1157455	110.757	ug/L	99
8) Ethyl ether	2.923	74	288704	112.793	ug/L #	1
10) 1,1-Dichloroethene	3.125	96	686320	109.282	ug/L	85
11) Carbon disulfide	3.160	76	2088518	109.871	ug/L	99
12) Freon-113	3.167	101	751601	112.884	ug/L	92
13) Iodomethane	3.272	142	875752	149.623	ug/L	95
14) Acrolein	3.460	56	76846	101.326	ug/L	97
15) Methylene chloride	3.711	84	754796	105.712	ug/L	84
17) Acetone	3.746	43	133992	97.661	ug/L	98
18) trans-1,2-Dichloroethene	3.871	96	759054	107.611	ug/L	89
19) Methyl acetate	3.871	43	302537	106.855	ug/L	93
21) Methyl tert-butyl ether	3.969	73	1393101	120.613	ug/L	95
22) tert-Butyl alcohol	4.052	59	211476	577.964	ug/L #	92
24) Diisopropyl ether	4.345	45	2215185	122.140	ug/L	95
25) 1,1-Dichloroethane	4.477	63	1407778	106.653	ug/L	98
26) Halothane	4.526	117	599145	116.214	ug/L	99

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A11.D
Acq On : 13 Mar 2023 05:17 pm
Operator : VOA122:PID
Sample : I8260STD120PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 14 11:06:32 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.519	53	158819	107.545	ug/L		95
28) Ethyl tert-butyl ether	4.708	59	2058358	125.193	ug/L		95
29) Vinyl acetate	4.714	43	1341167	123.644	ug/L	#	93
30) cis-1,2-Dichloroethene	5.007	96	821759	107.920	ug/L		89
31) 2,2-Dichloropropane	5.119	77	1076165	106.759	ug/L		92
32) Bromochloromethane	5.209	128	374838	106.990	ug/L	#	85
33) Cyclohexane	5.223	56	1517913	115.869	ug/L		85
34) Chloroform	5.279	83	1306547	105.946	ug/L		97
35) Ethyl acetate	5.391	43	438714	119.179	ug/L		96
36) Carbon tetrachloride	5.426	117	1065789	122.558	ug/L		98
37) Tetrahydrofuran	5.439	42	121145	96.864	ug/L		94
39) 1,1,1-Trichloroethane	5.495	97	1165727	111.831	ug/L		97
41) 2-Butanone	5.579	43	188765	111.257	ug/L	#	57
42) 1,1-Dichloropropene	5.621	75	1125971	125.347	ug/L		98
44) Benzene	5.871	78	2941436	118.562	ug/L		96
45) tert-Amyl methyl ether	5.982	73	1649703	121.590	ug/L		98
47) 1,2-Dichloroethane	6.078	62	884959	107.963	ug/L		99
50) Methyl cyclohexane	6.469	83	1417175	119.978	ug/L		85
51) Trichloroethene	6.476	95	855563	113.611	ug/L		95
53) Dibromomethane	6.918	93	414405	111.249	ug/L	#	83
54) 1,2-Dichloropropane	7.029	63	800478	119.694	ug/L		97
56) 2-Chloroethyl vinyl ether	7.721	63	315424	122.028	ug/L		92
57) Bromodichloromethane	7.095	83	1028016	117.021	ug/L		100
60) 1,4-Dioxane	7.309	88	50546	1142.978	ug/L	#	74
61) cis-1,3-Dichloropropene	7.795	75	1218032	122.492	ug/L	#	91
64) Toluene	8.075	92	1804722	118.243	ug/L		98
65) 4-Methyl-2-pentanone	8.495	58	104362	116.802	ug/L		88
66) Tetrachloroethene	8.526	166	710564	119.935	ug/L		94
68) trans-1,3-Dichloropropene	8.549	75	1095580	125.347	ug/L		95
70) Ethyl methacrylate	8.740	69	565416	112.276	ug/L		93
71) 1,1,2-Trichloroethane	8.740	83	450528	125.453	ug/L		97
72) Chlorodibromomethane	8.954	129	685408	131.680	ug/L		98
73) 1,3-Dichloropropane	9.073	76	933882	122.820	ug/L		99
74) 1,2-Dibromoethane	9.239	107	533546	125.773	ug/L		99
76) 2-Hexanone	9.517	43	251660	100.214	ug/L		95
77) Chlorobenzene	9.897	112	2009291	116.602	ug/L		98
78) Ethylbenzene	9.937	91	3441971	114.329	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.977	131	718314	130.609	ug/L		99
80) p/m Xylene	10.120	106	2725235	229.778	ug/L		99
81) o Xylene	10.643	106	2655018	232.910	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A11.D
Acq On : 13 Mar 2023 05:17 pm
Operator : VOA122:PID
Sample : I8260STD120PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 14 11:06:32 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.706	104	4443322	235.148	ug/L	96
84) Bromoform	10.730	173	411571	140.366	ug/L	99
86) Isopropylbenzene	11.016	105	3532508	113.965	ug/L	99
88) Bromobenzene	11.436	156	794616	115.245	ug/L	100
89) n-Propylbenzene	11.483	91	4225163	114.891	ug/L	100
90) 1,4-Dichlorobutane	11.491	55	826111	118.088	ug/L	99
91) 1,1,2,2-Tetrachloroethane	11.555	83	558635	119.828	ug/L	99
92) 4-Ethyltoluene	11.602	105	3438146	116.486	ug/L	99
93) 2-Chlorotoluene	11.642	91	2363461M6	113.592	ug/L	
94) 1,3,5-Trimethylbenzene	11.698	105	2923651	122.909	ug/L	99
95) 1,2,3-Trichloropropane	11.698	75	469834	119.587	ug/L	96
96) trans-1,4-Dichloro-2-b...	11.745	53	166144	122.870	ug/L	94
97) 4-Chlorotoluene	11.825	91	2500134	114.303	ug/L	99
98) tert-Butylbenzene	12.035	119	2983475	114.627	ug/L	95
101) 1,2,4-Trimethylbenzene	12.104	105	2845430	123.439	ug/L	99
102) sec-Butylbenzene	12.223	105	3670770	116.670	ug/L	99
103) p-Isopropyltoluene	12.369	119	3149309	120.278	ug/L	98
104) 1,3-Dichlorobenzene	12.438	146	1605835	116.746	ug/L	97
105) 1,4-Dichlorobenzene	12.529	146	1578361	115.640	ug/L	98
106) p-Diethylbenzene	12.738	119	1849515	122.573	ug/L	97
107) n-Butylbenzene	12.793	91	2663412	121.071	ug/L	99
108) 1,2-Dichlorobenzene	12.947	146	1410938	116.838	ug/L	96
109) 1,2,4,5-Tetramethylben...	13.517	119	2297966	117.952	ug/L	99
110) 1,2-Dibromo-3-chloropr...	13.712	155	88617	129.278	ug/L	100
111) 1,3,5-Trichlorobenzene	13.747	180	891871	117.598	ug/L	96
112) Hexachlorobutadiene	14.318	225	326796	120.368	ug/L	99
113) 1,2,4-Trichlorobenzene	14.339	180	749479	112.934	ug/L	99
114) Naphthalene	14.631	128	1691560	110.373	ug/L	100
115) 1,2,3-Trichlorobenzene	14.798	180	645423	111.811	ug/L	99

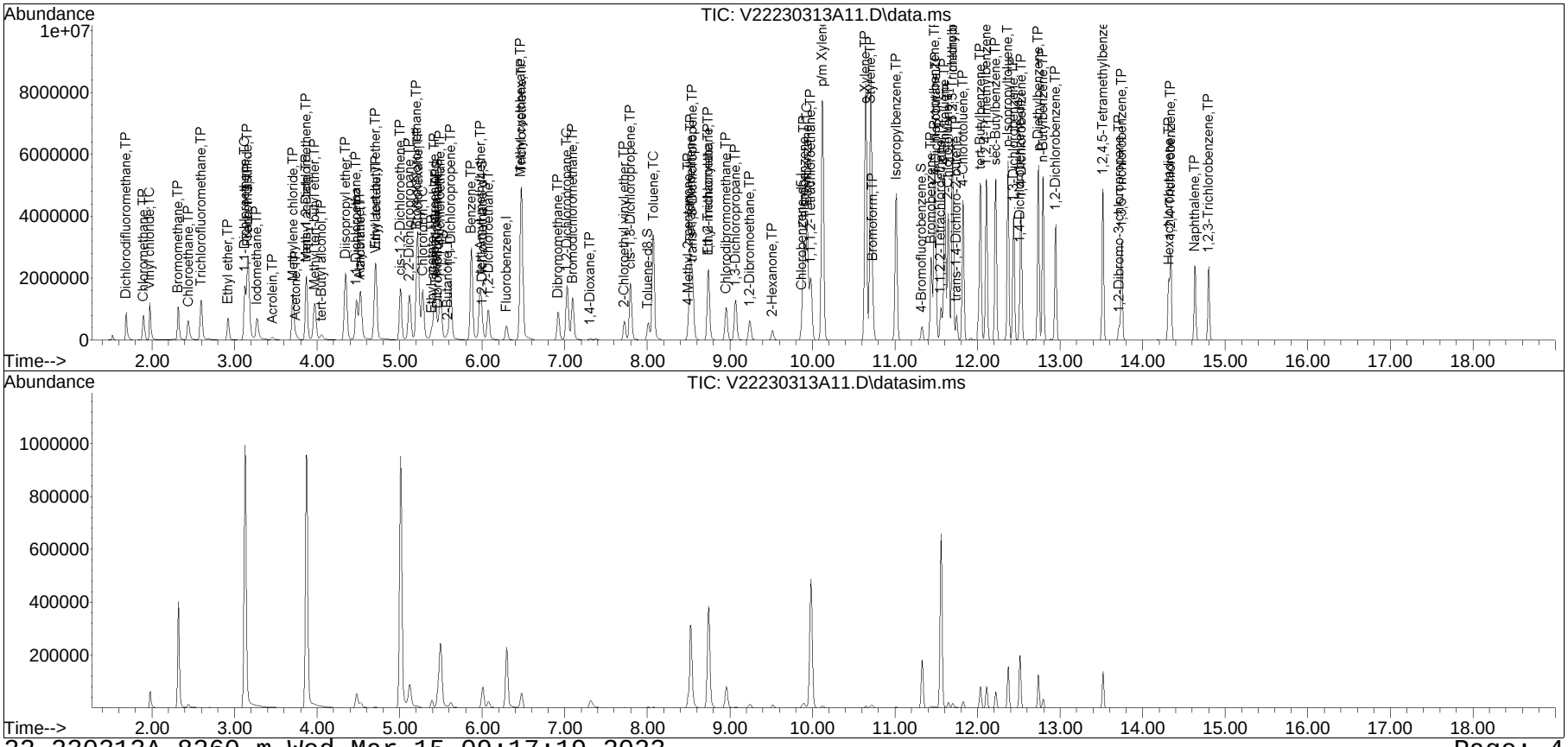
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A11.D
Acq On : 13 Mar 2023 05:17 pm
Operator : VOA122:PID
Sample : I8260STD120PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 14 11:06:32 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

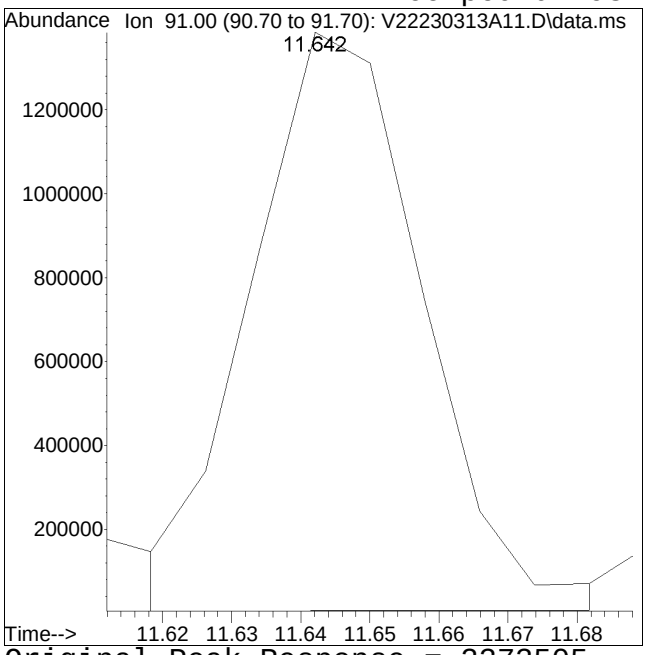
Sub List : 8260-Curve - Megamix plus Diox30313A-ICAL\V22230313A08.D•



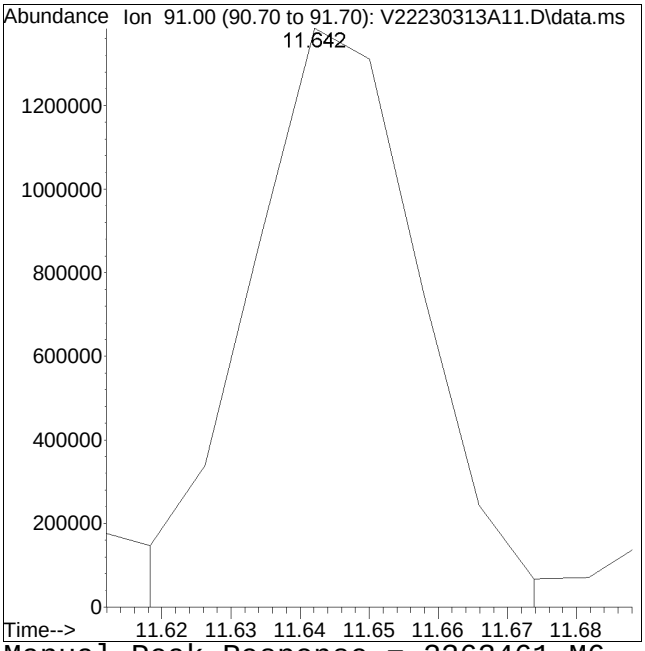
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230313A_8260.m
Data File : V22230313A11.D Operator : VOA122:PID
Date Inj'd : 3/13/2023 5:17 pm Instrument : VOA122
Sample : I8260STD120PPB Quant Date : 3/14/2023 11:06 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 2373505



Manual Peak Response = 2363461 M6

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A12.D
Acq On : 13 Mar 2023 05:42 pm
Operator : VOA122:PID
Sample : I8260STD200PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 14 11:06:42 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.292	96	495183	10.000 ug/L	0.00
Standard Area 1 = 410203			Recovery = 120.72%		
62) Chlorobenzene-d5	9.882	117	368623	10.000 ug/L	0.00
Standard Area 1 = 313936			Recovery = 117.42%		
83) 1,4-Dichlorobenzene-d4	12.515	152	188839	10.000 ug/L	0.00
Standard Area 1 = 159350			Recovery = 118.51%		
System Monitoring Compounds					
38) Dibromofluoromethane	5.461	113	136698	9.060 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.60%		
46) 1,2-Dichloroethane-d4	6.004	65	143227	9.506 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.06%		
63) Toluene-d8	8.016	98	479932	9.936 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.36%		
87) 4-Bromofluorobenzene	11.325	95	164569	9.338 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.38%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.682	85	1229192	182.545 ug/L	97
3) Chloromethane	1.892	50	1448114	175.590 ug/L	98
4) Vinyl chloride	1.968	62	1647069	179.812 ug/L	100
5) Bromomethane	2.317	94	1072773	202.591 ug/L	99
6) Chloroethane	2.435	64	1091495	173.817 ug/L	100
7) Trichlorofluoromethane	2.596	101	2011533	186.919 ug/L	99
8) Ethyl ether	2.916	74	520948	197.643 ug/L #	1
10) 1,1-Dichloroethene	3.125	96	1199881	185.532 ug/L	85
11) Carbon disulfide	3.153	76	3648393	186.383 ug/L	99
12) Freon-113	3.167	101	1320076	192.532 ug/L	92
13) Iodomethane	3.272	142	1538191	255.203 ug/L	95
14) Acrolein	3.460	56	140408	179.783 ug/L	98
15) Methylene chloride	3.704	84	1323936	180.061 ug/L	85
17) Acetone	3.746	43	238322	168.680 ug/L	97
18) trans-1,2-Dichloroethene	3.871	96	1325072	182.425 ug/L	90
19) Methyl acetate	3.871	43	548377	188.085 ug/L	93
21) Methyl tert-butyl ether	3.969	73	2509697	211.004 ug/L	94
22) tert-Butyl alcohol	4.052	59	383471	1017.728 ug/L #	94
24) Diisopropyl ether	4.345	45	3979911	213.098 ug/L	95
25) 1,1-Dichloroethane	4.478	63	2462863	181.193 ug/L	99
26) Halothane	4.527	117	1055366	198.788 ug/L	99

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A12.D
Acq On : 13 Mar 2023 05:42 pm
Operator : VOA122:PID
Sample : I8260STD200PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 14 11:06:42 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.520	53	289379	190.289	ug/L		96
28) Ethyl tert-butyl ether	4.708	59	3745635	221.230	ug/L		94
29) Vinyl acetate	4.715	43	2504807	224.246	ug/L	#	94
30) cis-1,2-Dichloroethene	5.007	96	1427539	182.056	ug/L		89
31) 2,2-Dichloropropane	5.119	77	1861572	179.336	ug/L		92
32) Bromochloromethane	5.210	128	661072	183.235	ug/L	#	85
33) Cyclohexane	5.224	56	2663744	197.456	ug/L		85
34) Chloroform	5.279	83	2292981	180.560	ug/L		97
35) Ethyl acetate	5.391	43	797484	210.378	ug/L		96
36) Carbon tetrachloride	5.426	117	1889382	210.983	ug/L		99
37) Tetrahydrofuran	5.433	42	218391	169.572	ug/L		93
39) 1,1,1-Trichloroethane	5.495	97	2053852	191.335	ug/L		96
41) 2-Butanone	5.579	43	340529	194.903	ug/L	#	57
42) 1,1-Dichloropropene	5.614	75	1964456	212.368	ug/L		98
44) Benzene	5.871	78	5127362	200.697	ug/L		95
45) tert-Amyl methyl ether	5.982	73	3032546	217.050	ug/L		98
47) 1,2-Dichloroethane	6.070	62	1579515	187.127	ug/L		99
50) Methyl cyclohexane	6.477	83	2567057	211.044	ug/L		85
51) Trichloroethene	6.477	95	1530948	197.419	ug/L		95
53) Dibromomethane	6.919	93	740388	193.015	ug/L	#	83
54) 1,2-Dichloropropane	7.029	63	1419342	206.096	ug/L		97
56) 2-Chloroethyl vinyl ether	7.722	63	571285	214.622	ug/L		92
57) Bromodichloromethane	7.095	83	1824882	201.724	ug/L		100
60) 1,4-Dioxane	7.316	88	83610	1835.982	ug/L	#	77
61) cis-1,3-Dichloropropene	7.795	75	2170842	212.000	ug/L	#	91
64) Toluene	8.075	92	3236201	201.723	ug/L		96
65) 4-Methyl-2-pentanone	8.495	58	187403	199.545	ug/L		87
66) Tetrachloroethene	8.526	166	1323269	212.493	ug/L		94
68) trans-1,3-Dichloropropene	8.550	75	1975618	215.045	ug/L		95
70) Ethyl methacrylate	8.740	69	1031087	194.791	ug/L		94
71) 1,1,2-Trichloroethane	8.740	83	819046	216.982	ug/L		96
72) Chlorodibromomethane	8.954	129	1247168	227.956	ug/L		98
73) 1,3-Dichloropropane	9.073	76	1677168	209.850	ug/L		99
74) 1,2-Dibromoethane	9.239	107	958999	215.074	ug/L		99
76) 2-Hexanone	9.517	43	448602	169.954	ug/L		95
77) Chlorobenzene	9.898	112	3606955	199.141	ug/L		97
78) Ethylbenzene	9.937	91	6079380	192.116	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.985	131	1316748	227.781	ug/L		99
80) p/m Xylene	10.128	106	4861468	389.966	ug/L		95
81) o Xylene	10.651	106	4743084	395.856	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A12.D
Acq On : 13 Mar 2023 05:42 pm
Operator : VOA122:PID
Sample : I8260STD200PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 14 11:06:42 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.714	104	7764033	390.910	ug/L	92
84) Bromoform	10.738	173	776368	250.778	ug/L	99
86) Isopropylbenzene	11.016	105	6162676	188.306	ug/L	98
88) Bromobenzene	11.444	156	1436390	197.307	ug/L	99
89) n-Propylbenzene	11.484	91	7216820	185.864	ug/L	98
90) 1,4-Dichlorobutane	11.492	55	1516579	205.323	ug/L	100
91) 1,1,2,2-Tetrachloroethane	11.555	83	1025622	208.364	ug/L	99
92) 4-Ethyltoluene	11.603	105	5899816	189.319	ug/L	98
93) 2-Chlorotoluene	11.650	91	4189980M1	190.729	ug/L	
94) 1,3,5-Trimethylbenzene	11.698	105	5201277	207.098	ug/L	99
95) 1,2,3-Trichloropropane	11.698	75	882058	212.640	ug/L	97
96) trans-1,4-Dichloro-2-b...	11.745	53	300933	210.785	ug/L	96
97) 4-Chlorotoluene	11.825	91	4389251	190.060	ug/L	100
98) tert-Butylbenzene	12.035	119	5283034	192.245	ug/L	95
101) 1,2,4-Trimethylbenzene	12.105	105	5060807	207.937	ug/L	100
102) sec-Butylbenzene	12.223	105	6303599	189.757	ug/L	99
103) p-Isopropyltoluene	12.369	119	5510028	199.311	ug/L	96
104) 1,3-Dichlorobenzene	12.439	146	2871504	197.724	ug/L	97
105) 1,4-Dichlorobenzene	12.529	146	2822451	195.856	ug/L	97
106) p-Diethylbenzene	12.738	119	3365664	211.259	ug/L	97
107) n-Butylbenzene	12.794	91	4726493	203.493	ug/L	98
108) 1,2-Dichlorobenzene	12.947	146	2517738	197.467	ug/L	96
109) 1,2,4,5-Tetramethylben...	13.518	119	4274812	207.819	ug/L	99
110) 1,2-Dibromo-3-chloropr...	13.713	155	164100	226.738	ug/L	100
111) 1,3,5-Trichlorobenzene	13.747	180	1690401	211.102	ug/L	96
112) Hexachlorobutadiene	14.311	225	608083	212.131	ug/L	99
113) 1,2,4-Trichlorobenzene	14.339	180	1412695	201.614	ug/L	98
114) Naphthalene	14.631	128	3116597	192.604	ug/L	100
115) 1,2,3-Trichlorobenzene	14.798	180	1203299	197.433	ug/L	98

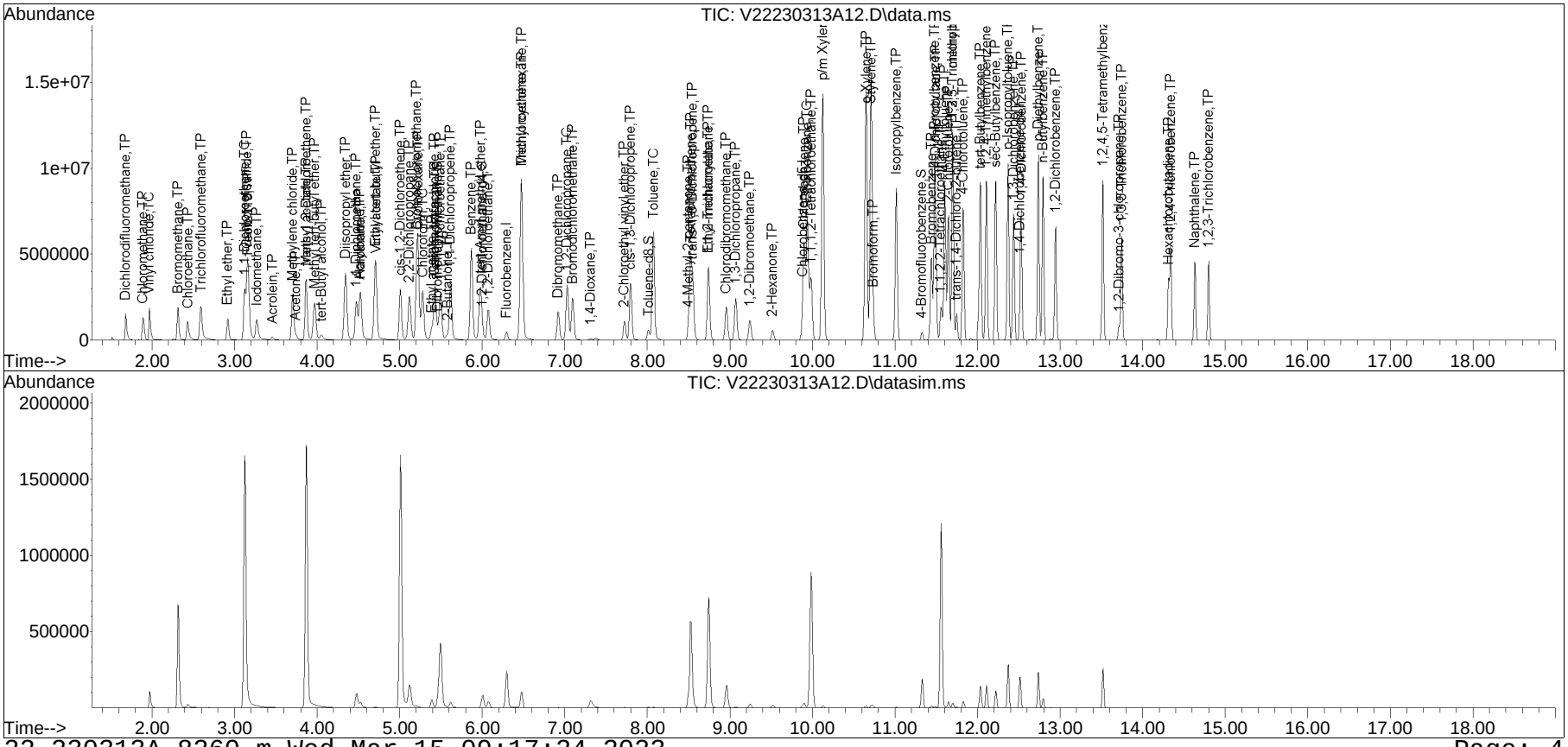
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A12.D
Acq On : 13 Mar 2023 05:42 pm
Operator : VOA122:PID
Sample : I8260STD200PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 14 11:06:42 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:05:31 2023
Response via : Initial Calibration

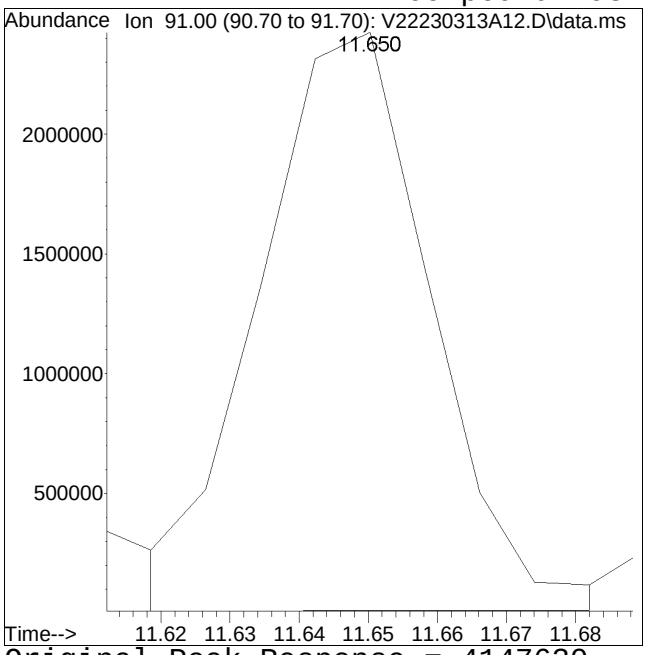
Sub List : 8260-Curve - Megamix plus Diox30313A-ICAL\V22230313A08.D•

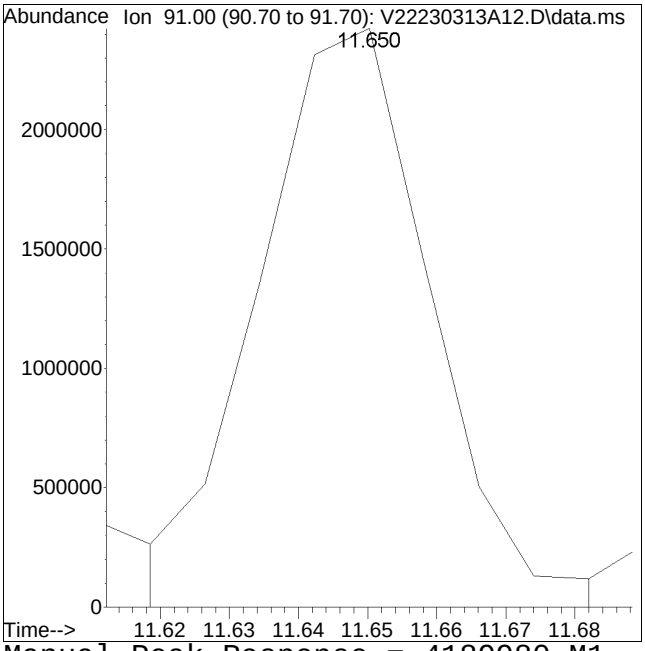


Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230313A_8260.m
Data File : V22230313A12.D Operator : VOA122:PID
Date Inj'd : 3/13/2023 5:42 pm Instrument : VOA122
Sample : I8260STD200PPB Quant Date : 3/14/2023 11:07 am

Compound #93: 2-Chlorotoluene





Original Peak Response = 4147630 Manual Peak Response = 4189980 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A18.D
Acq On : 13 Mar 2023 08:10 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 14 11:13:08 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
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	98	0.00
2	TP	Dichlorodifluoromethane	0.136	0.180	-32.4#	127	0.00
3	TP	Chloromethane	0.167	0.209	-25.1#	120	0.00
4	TC	Vinyl chloride	0.185	0.228	-23.2#	116	0.00
5	TP	Bromomethane	0.107	0.117	-9.3	120	0.00
6	TP	Chloroethane	0.127	0.138	-8.7	105	0.00
7	TP	Trichlorofluoromethane	0.217	0.222	-2.3	98	0.00
8	TP	Ethyl ether	0.053	0.067	-26.4#	120	0.00
10	TC	1,1-Dichloroethene	0.131	0.128	2.3	93	0.00
11	TP	Carbon disulfide	0.395	0.366	7.3	89	0.00
12	TP	Freon-113	0.138	0.136	1.4	94	0.00
13	TP	Iodomethane	* 10.000	7.465	25.4#	86	0.00
14	TP	Acrolein	0.015	0.014	6.7	90	0.00
15	TP	Methylene chloride	0.148	0.152	-2.7	97	0.00
17	TP	Acetone	* 10.000	9.842	1.6	89	0.00
18	TP	trans-1,2-Dichloroethene	0.147	0.143	2.7	93	0.00
19	TP	Methyl acetate	0.059	0.060	-1.7	96	0.00
21	TP	Methyl tert-butyl ether	0.240	0.258	-7.5	103	0.00
22	TP	tert-Butyl alcohol	0.00761	0.00779#	-2.4	92	0.00
24	TP	Diisopropyl ether	0.377	0.347	8.0	93	0.00
25	TP	1,1-Dichloroethane	0.274	0.280#	-2.2	97	0.00
26	TP	Halothane	0.107	0.105	1.9	92	0.00
27	TP	Acrylonitrile	0.031	0.032	-3.2	100	0.00
28	TP	Ethyl tert-butyl ether	0.342	0.306	10.5	91	0.00
29	TP	Vinyl acetate	0.226	0.164	27.4#	77	0.00
30	TP	cis-1,2-Dichloroethene	0.158	0.155#	1.9	92	0.00
31	TP	2,2-Dichloropropane	0.210	0.178	15.2	80	0.00
32	TP	Bromochloromethane	0.073	0.074#	-1.4	94	0.00
33	TP	Cyclohexane	0.272	0.260	4.4	91	0.00
34	TC	Chloroform	0.256	0.253	1.2	95	0.00
35	TP	Ethyl acetate	0.077	0.074	3.9	97	0.00
36	TP	Carbon tetrachloride	0.181	0.172	5.0	88	0.00
37	TP	Tetrahydrofuran	0.024	0.025	-4.2	94	0.00
38	S	Dibromofluoromethane	0.305	0.312	-2.3	99	0.00
39	TP	1,1,1-Trichloroethane	0.217	0.215	0.9	95	0.00
41	TP	2-Butanone	0.035	0.028	20.0#	82	0.00
42	TP	1,1-Dichloropropene	0.187	0.170	9.1	91	0.00
44	TP	Benzene	0.516	0.481	6.8	87	0.00
45	TP	tert-Amyl methyl ether	0.282	0.254	9.9	91	0.00

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A18.D
Acq On : 13 Mar 2023 08:10 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 14 11:13:08 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
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)
46	S	1,2-Dichloroethane-d4	0.304	0.303	0.3	97	0.00
47	T	1,2-Dichloroethane	0.170	0.169	0.6	94	0.00
50	TP	Methyl cyclohexane	0.246	0.211	14.2	88	0.00
51	TP	Trichloroethene	0.157	0.143#	8.9	93	0.00
53	TP	Dibromomethane	0.077	0.076	1.3	92	0.00
54	TC	1,2-Dichloropropane	0.139	0.133	4.3	90	0.00
56	TP	2-Chloroethyl vinyl ether	0.054	0.049	9.3	88	0.00
57	TP	Bromodichloromethane	0.183	0.172#	6.0	90	0.00
60	TP	1,4-Dioxane	0.00092	0.00088#	4.3	90	0.00
61	TP	cis-1,3-Dichloropropene	0.207	0.193#	6.8	90	0.00
62	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
63	S	Toluene-d8	1.310	1.338	-2.1	99	0.00
64	TC	Toluene	0.435	0.411	5.5	91	0.00
65	TP	4-Methyl-2-pentanone	0.025	0.023#	8.0	86	0.00
66	TP	Tetrachloroethene	0.169	0.152	10.1	90	0.00
68	TP	trans-1,3-Dichloropropene	0.249	0.224#	10.0	89	0.00
70	TP	Ethyl methacrylate	0.144	0.147	-2.1	97	0.00
71	TP	1,1,2-Trichloroethane	0.102	0.095#	6.9	92	0.00
72	TP	Chlorodibromomethane	0.148	0.130#	12.2	88	0.00
73	TP	1,3-Dichloropropane	0.217	0.196	9.7	88	0.00
74	TP	1,2-Dibromoethane	0.121	0.110#	9.1	90	0.00
76	TP	2-Hexanone	0.072	0.061	15.3	84	0.00
77	TP	Chlorobenzene	0.491	0.469	4.5	93	0.00
78	TC	Ethylbenzene	0.858	0.815	5.0	92	0.00
79	TP	1,1,1,2-Tetrachloroethane	0.157	0.134	14.6	87	0.00
80	TP	p/m Xylene	0.338	0.329	2.7	93	0.00
81	TP	o Xylene	0.325	0.325	0.0	96	0.00
82	TP	Styrene	0.539	0.535	0.7	95	0.00
83	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
84	TP	Bromoform	* 10.000	7.515	24.9#	89	0.00
86	TP	Isopropylbenzene	1.733	1.610	7.1	91	0.00
87	S	4-Bromofluorobenzene	0.933	0.949	-1.7	98	0.00
88	TP	Bromobenzene	0.386	0.360	6.7	90	0.00
89	TP	n-Propylbenzene	2.056	1.966	4.4	92	0.00
90	TP	1,4-Dichlorobutane	0.391	0.398	-1.8	102	0.00
91	TP	1,1,2,2-Tetrachloroethane	0.261	0.219	16.1	83	0.00
92	TP	4-Ethyltoluene	1.650	1.689	-2.4	99	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A18.D
Acq On : 13 Mar 2023 08:10 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 14 11:13:08 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
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)
93 TP	2-Chlorotoluene	1.163	1.093	6.0	92	0.00
94 TP	1,3,5-Trimethylbenzene	1.330	1.177	11.5	90	0.00
95 TP	1,2,3-Trichloropropane	0.220	0.184	16.4	85	0.00
96 TP	trans-1,4-Dichloro-2-butene	0.076	0.073	3.9	95	0.00
97 TP	4-Chlorotoluene	1.223	1.156	5.5	91	0.00
98 TP	tert-Butylbenzene	1.455	1.383	4.9	91	0.00
101 TP	1,2,4-Trimethylbenzene	1.289	1.174	8.9	93	0.00
102 TP	sec-Butylbenzene	1.759	1.647	6.4	89	0.00
103 TP	p-Isopropyltoluene	1.464	1.334	8.9	89	0.00
104 TP	1,3-Dichlorobenzene	0.769	0.727	5.5	92	0.00
105 TP	1,4-Dichlorobenzene	0.763	0.690	9.6	89	0.00
106 TP	p-Diethylbenzene	0.844	0.761	9.8	91	0.00
107 TP	n-Butylbenzene	1.230	1.121	8.9	91	0.00
108 TP	1,2-Dichlorobenzene	0.675	0.634	6.1	92	0.00
109 TP	1,2,4,5-Tetramethylbenzene	1.089	1.045	4.0	95	0.00
110 TP	1,2-Dibromo-3-chloropropane *	10.000	8.949	10.5	87	0.00
111 TP	1,3,5-Trichlorobenzene	0.424	0.398	6.1	93	0.00
112 TP	Hexachlorobutadiene	0.152	0.132	13.2	85	0.00
113 TP	1,2,4-Trichlorobenzene	0.371	0.332#	10.5	88	0.00
114 TP	Naphthalene	0.857	0.817	4.7	91	0.00
115 TP	1,2,3-Trichlorobenzene	0.323	0.298#	7.7	89	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 15 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A18.D
Acq On : 13 Mar 2023 08:10 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 14 11:13:08 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.292	96	401356	10.000	ug/L	0.00
Standard Area 1 = 410203			Recovery = 97.84%			
62) Chlorobenzene-d5	9.874	117	309195	10.000	ug/L	0.00
Standard Area 1 = 313936			Recovery = 98.49%			
83) 1,4-Dichlorobenzene-d4	12.508	152	158826	10.000	ug/L	0.00
Standard Area 1 = 159350			Recovery = 99.67%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.461	113	125172	10.235	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.35%			
46) 1,2-Dichloroethane-d4	6.004	65	121560	9.954	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.54%			
63) Toluene-d8	8.009	98	413767	10.213	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.13%			
87) 4-Bromofluorobenzene	11.325	95	150767	10.171	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.71%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.689	85	72135	13.217	ug/L	98
3) Chloromethane	1.898	50	84007	12.568	ug/L	98
4) Vinyl chloride	1.975	62	91697	12.351	ug/L	99
5) Bromomethane	2.317	94	47115	10.978	ug/L	97
6) Chloroethane	2.442	64	55492	10.903	ug/L	99
7) Trichlorofluoromethane	2.595	101	89052	10.210	ug/L	99
8) Ethyl ether	2.923	74	27038	12.656	ug/L #	1
10) 1,1-Dichloroethene	3.125	96	51192	9.766	ug/L	82
11) Carbon disulfide	3.160	76	146981	9.264	ug/L	100
12) Freon-113	3.167	101	54642	9.833	ug/L	91
13) Iodomethane	3.272	142	38163	7.465	ug/L	98
14) Acrolein	3.460	56	5732	9.801	ug/L	95
15) Methylene chloride	3.711	84	60825	10.206	ug/L	82
17) Acetone	3.746	43	11117	9.842	ug/L	94
18) trans-1,2-Dichloroethene	3.871	96	57574	9.779	ug/L	90
19) Methyl acetate	3.871	43	23914	10.120	ug/L	93
21) Methyl tert-butyl ether	3.969	73	103569	10.743	ug/L	92
22) tert-Butyl alcohol	4.052	59	15634	51.192	ug/L	97
24) Diisopropyl ether	4.345	45	139447	9.212	ug/L	95
25) 1,1-Dichloroethane	4.478	63	112462	10.208	ug/L	97
26) Halothane	4.526	117	42119	9.788	ug/L	99

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A18.D
Acq On : 13 Mar 2023 08:10 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 14 11:13:08 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.519	53	13031	10.572	ug/L		99
28) Ethyl tert-butyl ether	4.701	59	122703	8.941	ug/L		92
29) Vinyl acetate	4.715	43	65623	7.248	ug/L	#	91
30) cis-1,2-Dichloroethene	5.007	96	62394	9.817	ug/L		89
31) 2,2-Dichloropropane	5.119	77	71271	8.471	ug/L		92
32) Bromochloromethane	5.210	128	29657	10.142	ug/L	#	84
33) Cyclohexane	5.217	56	104361	9.544	ug/L		84
34) Chloroform	5.279	83	101700	9.880	ug/L		95
35) Ethyl acetate	5.384	43	29860	9.719	ug/L		95
36) Carbon tetrachloride	5.426	117	68930	9.497	ug/L		97
37) Tetrahydrofuran	5.440	42	10225	10.601	ug/L		99
39) 1,1,1-Trichloroethane	5.495	97	86464	9.938	ug/L		97
41) 2-Butanone	5.579	43	11305	7.983	ug/L	#	61
42) 1,1-Dichloropropene	5.614	75	68033	9.074	ug/L		97
44) Benzene	5.871	78	192938	9.318	ug/L		95
45) tert-Amyl methyl ether	5.974	73	102109	9.017	ug/L		96
47) 1,2-Dichloroethane	6.070	62	67709	9.897	ug/L		99
50) Methyl cyclohexane	6.469	83	84774	8.599	ug/L		83
51) Trichloroethene	6.477	95	57463	9.142	ug/L		93
53) Dibromomethane	6.919	93	30559	9.829	ug/L	#	81
54) 1,2-Dichloropropane	7.029	63	53380	9.563	ug/L		96
56) 2-Chloroethyl vinyl ether	7.722	63	19678	9.121	ug/L		92
57) Bromodichloromethane	7.095	83	68873	9.393	ug/L		99
60) 1,4-Dioxane	7.309	88	17687	479.182	ug/L	#	76
61) cis-1,3-Dichloropropene	7.795	75	77490	9.337	ug/L	#	92
64) Toluene	8.068	92	126941	9.433	ug/L		99
65) 4-Methyl-2-pentanone	8.495	58	7069	8.974	ug/L		81
66) Tetrachloroethene	8.526	166	46971	8.992	ug/L		94
68) trans-1,3-Dichloropropene	8.549	75	69206	8.981	ug/L		93
70) Ethyl methacrylate	8.740	69	45417	10.229	ug/L		95
71) 1,1,2-Trichloroethane	8.740	83	29414	9.290	ug/L		94
72) Chlorodibromomethane	8.954	129	40314	8.785	ug/L		96
73) 1,3-Dichloropropane	9.065	76	60715	9.057	ug/L		99
74) 1,2-Dibromoethane	9.239	107	33987	9.087	ug/L		100
76) 2-Hexanone	9.517	43	18819	8.500	ug/L		93
77) Chlorobenzene	9.898	112	145040	9.547	ug/L		97
78) Ethylbenzene	9.937	91	251969	9.493	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.977	131	41505	8.560	ug/L		98
80) p/m Xylene	10.120	106	203264	19.439	ug/L		97
81) o Xylene	10.643	106	200984	19.998	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A18.D
Acq On : 13 Mar 2023 08:10 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 14 11:13:08 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230313A-ICAL\V22230313A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Styrene	10.707	104	330800	19.857	ug/L	98
84) Bromoform	10.730	173	21335	7.515	ug/L	99
86) Isopropylbenzene	11.016	105	255746	9.291	ug/L	98
88) Bromobenzene	11.436	156	57158	9.335	ug/L	99
89) n-Propylbenzene	11.476	91	312243	9.561	ug/L	97
90) 1,4-Dichlorobutane	11.492	55	63177	10.170	ug/L	99
91) 1,1,2,2-Tetrachloroethane	11.555	83	34708	8.384	ug/L	98
92) 4-Ethyltoluene	11.603	105	268228	10.234	ug/L	99
93) 2-Chlorotoluene	11.642	91	173618M6	9.397	ug/L	
94) 1,3,5-Trimethylbenzene	11.698	105	186885	8.847	ug/L	98
95) 1,2,3-Trichloropropane	11.698	75	29178	8.363	ug/L	95
96) trans-1,4-Dichloro-2-b...	11.745	53	11577	9.641	ug/L	86
97) 4-Chlorotoluene	11.825	91	183639	9.454	ug/L	99
98) tert-Butylbenzene	12.035	119	219642	9.503	ug/L	98
101) 1,2,4-Trimethylbenzene	12.105	105	186407	9.106	ug/L	99
102) sec-Butylbenzene	12.216	105	261629	9.364	ug/L	98
103) p-Isopropyltoluene	12.369	119	211853	9.111	ug/L	98
104) 1,3-Dichlorobenzene	12.439	146	115529	9.458	ug/L	97
105) 1,4-Dichlorobenzene	12.529	146	109603	9.043	ug/L	97
106) p-Diethylbenzene	12.731	119	120813	9.016	ug/L	97
107) n-Butylbenzene	12.794	91	178055	9.115	ug/L	98
108) 1,2-Dichlorobenzene	12.947	146	100629	9.384	ug/L	96
109) 1,2,4,5-Tetramethylben...	13.518	119	166033	9.597	ug/L	98
110) 1,2-Dibromo-3-chloropr...	13.712	155	5871	8.949	ug/L	99
111) 1,3,5-Trichlorobenzene	13.747	180	63140	9.375	ug/L	97
112) Hexachlorobutadiene	14.318	225	20892	8.665	ug/L	99
113) 1,2,4-Trichlorobenzene	14.339	180	52699	8.942	ug/L	98
114) Naphthalene	14.631	128	129780	9.536	ug/L	100
115) 1,2,3-Trichlorobenzene	14.798	180	47315	9.230	ug/L	99

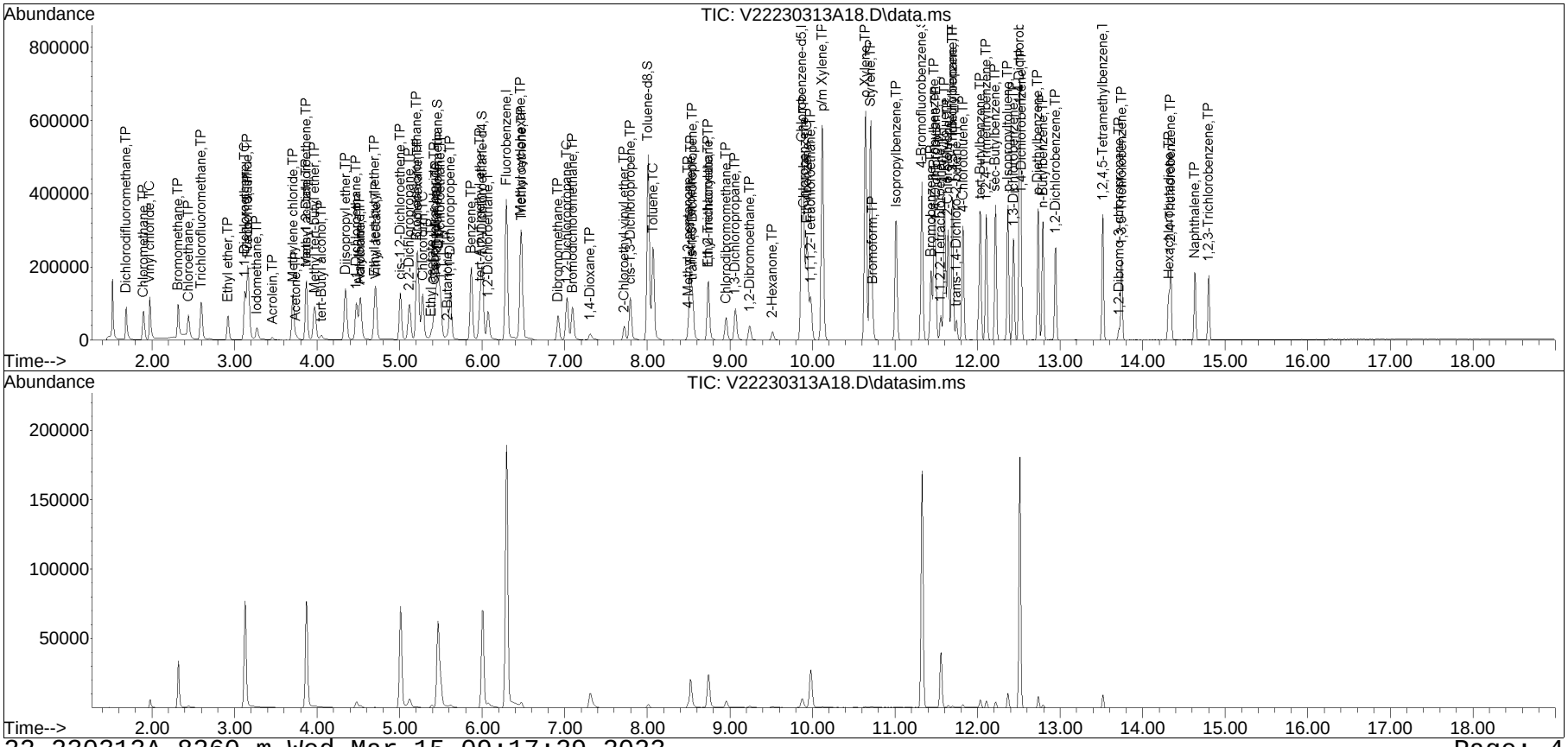
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Data File : V22230313A18.D
Acq On : 13 Mar 2023 08:10 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 14 11:13:08 2023
Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

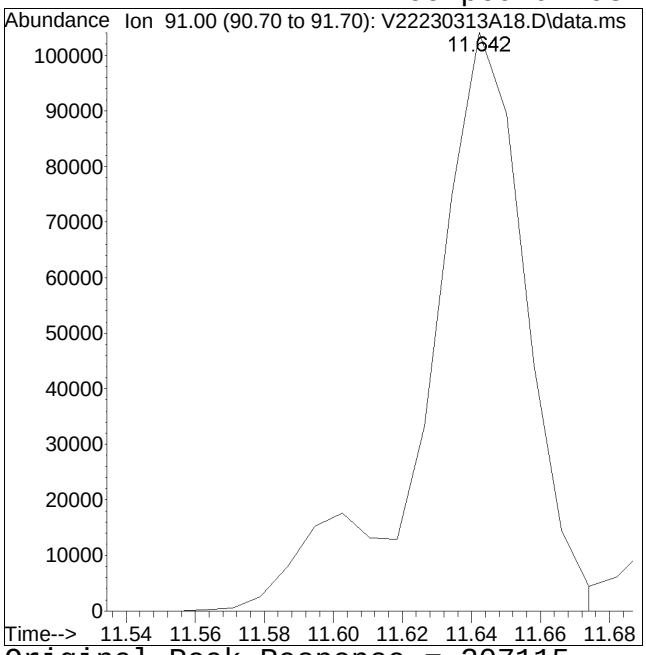
Sub List : 8260-Curve - Megamix plus Diox30313A-ICAL\V22230313A08.D•



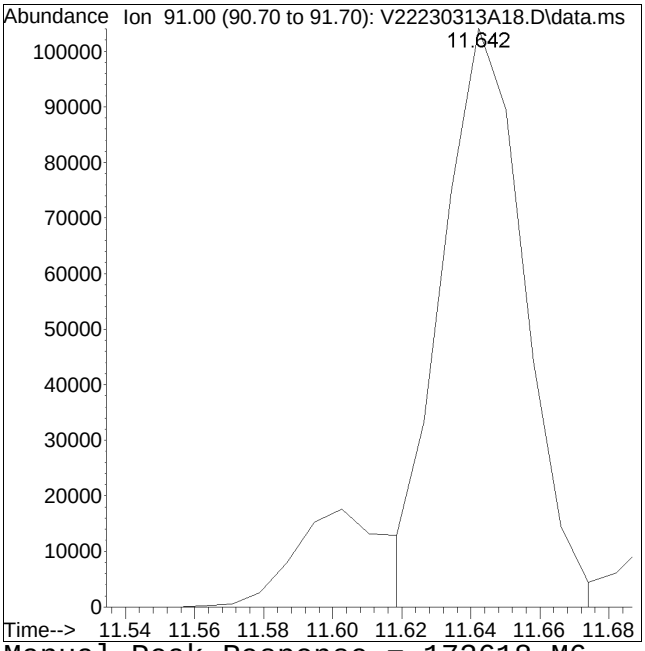
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230313A_8260.m
Data File : V22230313A18.D Operator : VOA122:PID
Date Inj'd : 3/13/2023 8:10 pm Instrument : VOA122
Sample : C8260STD10PPB Quant Date : 3/14/2023 11:12 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 207115



Manual Peak Response = 173618 M6

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

Evaluate Relative Error Report VOA122

Method Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
Method File : V122_230313A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Mar 14 11:12:30 2023

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
13	TP Iodomethane	L	ug/L	10.0	8.350	-16.5	2.00	2.419	21.0
17	TP Acetone	L	ug/L	10.0	11.078	10.8	2.00	1.814	-9.3
84	TP Bromoform	L	ug/L	10.0	8.406	-15.9	0.50	0.641	28.2
110	TP 1,2-Dibromo-3-chloropropane	L	ug/L	10.0	10.223	2.2	0.50	0.509	1.8

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
13	TP Iodomethane	Linear	0.998624	0.000000	0.153215	-0.0192888
17	TP Acetone	Linear	0.998942	0.000000	0.0233524	0.00471479
84	TP Bromoform	Linear	0.998046	0.000000	0.188103	-0.00703042
110	TP 1,2-Dibromo-3-chloropropane	Linear	0.999377	0.000000	0.0425478	-0.00111136

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422		
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS		
Instrument ID	: VOA104	**Calibration Date**	: 03/17/23 15:15		
Lab File ID	: V04230317N01	**Init. Calib. Date(s)**	: 01/18/23	01/18/23	
Sample No	: WG1756211-2	**Init. Calib. Times**	: 11:44	16:30	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	107	0
Dichlorodifluoromethane	0.449	0.44	-	2	20	131	0
Chloromethane	0.829	0.558	-	32.7*	20	85	0
Vinyl chloride	0.578	0.49	-	15.2	20	109	0
Bromomethane	40	46.114	-	-15.3	20	134	0
Chloroethane	40	47.716	-	-19.3	20	133	0
Trichlorofluoromethane	0.616	0.685	-	-11.2	20	146	0
Ethyl ether	0.133	0.122	-	8.3	20	106	0
1,1-Dichloroethene	0.391	0.369	-	5.6	20	121	0
Carbon disulfide	0.828	1.303	-	-57.4*	20	192	0
Freon-113	0.396	0.413	-	-4.3	20	141	0
Acrolein	0.044	0.036	-	18.2	20	99	0
Methylene chloride	0.437	0.405	-	7.3	20	103	0
Acetone	0.084	0.067	-	20.2*	20	93	0
trans-1,2-Dichloroethene	0.404	0.379	-	6.2	20	111	0
Methyl acetate	0.168	0.124	-	26.2*	20	83	0
Methyl tert-butyl ether	0.613	0.606	-	1.1	20	108	0
tert-Butyl alcohol	0.029	0.026	-	10.3	20	100	0
Diisopropyl ether	1.266	0.961	-	24.1*	20	82	0
1,1-Dichloroethane	0.885	0.745	-	15.8	20	102	0
Halothane	0.304	0.298	-	2	20	124	0
Acrylonitrile	0.089	0.069	-	22.5*	20	85	0
Ethyl tert-butyl ether	1.005	0.895	-	10.9	20	96	0
Vinyl acetate	0.603	0.529	-	12.3	20	96	0
cis-1,2-Dichloroethene	0.442	0.389	-	12	20	100	0
2,2-Dichloropropane	0.599	0.625	-	-4.3	20	133	0
Bromochloromethane	0.197	0.19	-	3.6	20	110	0
Cyclohexane	0.83	0.699	-	15.8	20	114	0
Chloroform	0.715	0.649	-	9.2	20	108	0
Ethyl acetate	0.243	0.183	-	24.7*	20	85	0
Carbon tetrachloride	0.502	0.534	-	-6.4	20	139	0
Tetrahydrofuran	0.091	0.07	-	23.1*	20	88	0
Dibromofluoromethane	0.345	0.301	-	12.8	20	101	0
1,1,1-Trichloroethane	0.562	0.582	-	-3.6	20	129	0
2-Butanone	40	32.695	-	18.3	20	99	0
1,1-Dichloropropene	40	40.43	-	-1.1	20	125	0
Benzene	1.332	1.249	-	6.2	20	106	0
tert-Amyl methyl ether	0.708	0.643	-	9.2	20	103	0
1,2-Dichloroethane-d4	0.275	0.26	-	5.5	20	113	0
1,2-Dichloroethane	0.475	0.429	-	9.7	20	106	0
Methyl cyclohexane	40	39.538	-	1.2	20	133	0
Trichloroethene	0.355	0.371	-	-4.5	20	120	0
Dibromomethane	0.207	0.194	-	6.3	20	108	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422	
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS	
Instrument ID	: VOA104	**Calibration Date**	: 03/17/23 15:15	
Lab File ID	: V04230317N01	**Init. Calib. Date(s)**	: 01/18/23	01/18/23
Sample No	: WG1756211-2	**Init. Calib. Times**	: 11:44	16:30
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.415	0.349	-	15.9	20	93	0
2-Chloroethyl vinyl ether	0.181	0.143	-	21*	20	94	0
Bromodichloromethane	0.495	0.468	-	5.5	20	107	0
1,4-Dioxane	0.00276	0.00274*	-	0.7	20	97	0
cis-1,3-Dichloropropene	0.509	0.512	-	-0.6	20	103	0
Chlorobenzene-d5	1	1	-	0	20	100	0
Toluene-d8	1.204	1.254	-	-4.2	20	102	0
Toluene	0.948	0.993	-	-4.7	20	112	0
4-Methyl-2-pentanone	0.108	0.093	-	13.9	20	90	0
Tetrachloroethene	40	44.878	-	-12.2	20	133	0
trans-1,3-Dichloropropene	40	40.538	-	-1.3	20	108	0
Ethyl methacrylate	0.325	0.336	-	-3.4	20	103	0
1,1,2-Trichloroethane	40	38.483	-	3.8	20	101	0
Chlorodibromomethane	0.369	0.409	-	-10.8	20	111	0
1,3-Dichloropropane	0.479	0.492	-	-2.7	20	102	0
1,2-Dibromoethane	40	40.373	-	-0.9	20	106	0
2-Hexanone	0.217	0.184	-	15.2	20	91	0
Chlorobenzene	1.122	1.215	-	-8.3	20	113	0
Ethylbenzene	1.893	2.053	-	-8.5	20	120	0
1,1,1,2-Tetrachloroethane	0.363	0.415	-	-14.3	20	114	0
p/m Xylene	0.718	0.808	-	-12.5	20	121	0
o Xylene	0.69	0.779	-	-12.9	20	120	0
Styrene	1.094	1.285	-	-17.5	20	122	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
Bromoform	40	41.524	-	-3.8	20	115	0
Isopropylbenzene	3.169	3.5	-	-10.4	20	131	0
4-Bromofluorobenzene	0.864	0.831	-	3.8	20	100	0
Bromobenzene	0.848	0.917	-	-8.1	20	118	0
n-Propylbenzene	3.894	4.203	-	-7.9	20	128	0
1,4-Dichlorobutane	0.99	0.877	-	11.4	20	95	0
1,1,2,2-Tetrachloroethane	0.635	0.641	-	-0.9	20	106	0
4-Ethyltoluene	3.197	3.541	-	-10.8	20	128	0
2-Chlorotoluene	2.304	2.482	-	-7.7	20	124	0
1,3,5-Trimethylbenzene	2.712	2.96	-	-9.1	20	128	0
1,2,3-Trichloropropane	0.465	0.472	-	-1.5	20	113	0
trans-1,4-Dichloro-2-buten	0.195	0.196	-	-0.5	20	103	0
4-Chlorotoluene	2.359	2.546	-	-7.9	20	122	0
tert-Butylbenzene	2.368	2.631	-	-11.1	20	134	0
1,2,4-Trimethylbenzene	2.681	2.934	-	-9.4	20	125	0
sec-Butylbenzene	3.591	3.979	-	-10.8	20	137	0
p-Isopropyltoluene	3.072	3.517	-	-14.5	20	138	0
1,3-Dichlorobenzene	1.642	1.836	-	-11.8	20	124	0
1,4-Dichlorobenzene	1.7	1.852	-	-8.9	20	126	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Instrument ID	: VOA104	**Calibration Date**	: 03/17/23 15:15
Lab File ID	: V04230317N01	**Init. Calib. Date(s)**	: 01/18/23 01/18/23
Sample No	: WG1756211-2	**Init. Calib. Times**	: 11:44 16:30
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.876	2.126	-	-13.3	20	136	0
n-Butylbenzene	2.754	3.1	-	-12.6	20	136	0
1,2-Dichlorobenzene	1.533	1.693	-	-10.4	20	122	0
1,2,4,5-Tetramethylbenzene	2.922	3.344	-	-14.4	20	130	0
1,2-Dibromo-3-chloropropan	0.11	0.114	-	-3.6	20	114	0
1,3,5-Trichlorobenzene	1.282	1.528	-	-19.2	20	136	0
Hexachlorobutadiene	0.656	0.822	-	-25.3*	20	160	0
1,2,4-Trichlorobenzene	1.105	1.301	-	-17.7	20	130	0
Naphthalene	2.093	2.126	-	-1.6	20	113	0
1,2,3-Trichlorobenzene	0.98	1.109	-	-13.2	20	127	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422	
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS	
Instrument ID	: VOA122	**Calibration Date**	: 03/17/23 18:55	
Lab File ID	: V22230317N01	**Init. Calib. Date(s)**	: 03/13/23	03/13/23
Sample No	: WG1756621-2	**Init. Calib. Times**	: 13:58	17:42
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	90	0
Dichlorodifluoromethane	0.136	0.135	-	0.7	20	88	0
Chloromethane	0.167	0.157	-	6	20	83	0
Vinyl chloride	0.185	0.195	-	-5.4	20	91	0
Bromomethane	0.107	0.079	-	26.2*	20	74	0
Chloroethane	0.127	0.127	-	0	20	88	0
Trichlorofluoromethane	0.217	0.223	-	-2.8	20	91	0
Ethyl ether	0.053	0.052	-	1.9	20	86	0
1,1-Dichloroethene	0.131	0.131	-	0	20	87	0
Carbon disulfide	0.395	0.344	-	12.9	20	77	0
Freon-113	0.138	0.146	-	-5.8	20	94	0
Acrolein	0.015	0.013	-	13.3	20	78	0
Methylene chloride	0.148	0.147	-	0.7	20	87	0
Acetone	10	9.612	-	3.9	20	80	0
trans-1,2-Dichloroethene	0.147	0.142	-	3.4	20	85	0
Methyl acetate	0.059	0.054	-	8.5	20	80	0
Methyl tert-butyl ether	0.24	0.226	-	5.8	20	83	0
tert-Butyl alcohol	0.00761	0.0069*	-	9.3	20	75	0
Diisopropyl ether	0.377	0.337	-	10.6	20	83	0
1,1-Dichloroethane	0.274	0.269*	-	1.8	20	85	0
Halothane	0.107	0.103	-	3.7	20	84	0
Acrylonitrile	0.031	0.029	-	6.5	20	82	0
Ethyl tert-butyl ether	0.342	0.303	-	11.4	20	83	0
Vinyl acetate	0.226	0.187	-	17.3	20	81	0
cis-1,2-Dichloroethene	0.158	0.16*	-	-1.3	20	88	0
2,2-Dichloropropane	0.21	0.212	-	-1	20	87	0
Bromochloromethane	0.073	0.072*	-	1.4	20	85	0
Cyclohexane	0.272	0.268	-	1.5	20	86	0
Chloroform	0.256	0.245	-	4.3	20	85	0
Ethyl acetate	0.077	0.072	-	6.5	20	86	0
Carbon tetrachloride	0.181	0.181	-	0	20	86	0
Tetrahydrofuran	0.024	0.023	-	4.2	20	77	0
Dibromofluoromethane	0.305	0.303	-	0.7	20	89	0
1,1,1-Trichloroethane	0.217	0.217	-	0	20	88	0
2-Butanone	0.035	0.03	-	14.3	20	82	0
1,1-Dichloropropene	0.187	0.176	-	5.9	20	87	0
Benzene	0.516	0.506	-	1.9	20	85	0
tert-Amyl methyl ether	0.282	0.258	-	8.5	20	85	0
1,2-Dichloroethane-d4	0.304	0.29	-	4.6	20	86	0
1,2-Dichloroethane	0.17	0.163	-	4.1	20	83	0
Methyl cyclohexane	0.246	0.235	-	4.5	20	90	0
Trichloroethene	0.157	0.147*	-	6.4	20	88	0
Dibromomethane	0.077	0.076	-	1.3	20	85	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422	
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS	
Instrument ID	: VOA122	**Calibration Date**	: 03/17/23 18:55	
Lab File ID	: V22230317N01	**Init. Calib. Date(s)**	: 03/13/23	03/13/23
Sample No	: WG1756621-2	**Init. Calib. Times**	: 13:58	17:42
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.139	0.137	-	1.4	20	85	0
Bromodichloromethane	0.183	0.166*	-	9.3	20	81	0
1,4-Dioxane	0.00092	0.00084*	-	8.7	20	79	0
cis-1,3-Dichloropropene	0.207	0.191*	-	7.7	20	83	0
Chlorobenzene-d5	1	1	-	0	20	90	0
Toluene-d8	1.31	1.321	-	-0.8	20	89	0
Toluene	0.435	0.428	-	1.6	20	87	0
4-Methyl-2-pentanone	0.025	0.022*	-	12	20	76	0
Tetrachloroethene	0.169	0.173	-	-2.4	20	93	0
trans-1,3-Dichloropropene	0.249	0.226*	-	9.2	20	82	0
Ethyl methacrylate	0.144	0.127	-	11.8	20	76	0
1,1,2-Trichloroethane	0.102	0.099*	-	2.9	20	87	0
Chlorodibromomethane	0.148	0.127*	-	14.2	20	78	0
1,3-Dichloropropane	0.217	0.207	-	4.6	20	85	0
1,2-Dibromoethane	0.121	0.118*	-	2.5	20	88	0
2-Hexanone	0.072	0.057	-	20.8*	20	71	0
Chlorobenzene	0.491	0.484	-	1.4	20	87	0
Ethylbenzene	0.858	0.828	-	3.5	20	85	0
1,1,1,2-Tetrachloroethane	0.157	0.14	-	10.8	20	82	0
p/m Xylene	0.338	0.334	-	1.2	20	86	0
o Xylene	0.325	0.316	-	2.8	20	85	0
Styrene	0.539	0.512	-	5	20	83	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	89	0
Bromoform	10	6.853	-	31.5*	20	72	0
Isopropylbenzene	1.733	1.716	-	1	20	86	0
4-Bromofluorobenzene	0.933	0.92	-	1.4	20	85	0
Bromobenzene	0.386	0.375	-	2.8	20	84	0
n-Propylbenzene	2.056	2.053	-	0.1	20	86	0
1,4-Dichlorobutane	0.391	0.347	-	11.3	20	80	0
1,1,2,2-Tetrachloroethane	0.261	0.235	-	10	20	80	0
4-Ethyltoluene	1.65	1.645	-	0.3	20	86	0
2-Chlorotoluene	1.163	1.129	-	2.9	20	84	0
1,3,5-Trimethylbenzene	1.33	1.213	-	8.8	20	83	0
1,2,3-Trichloropropane	0.22	0.191	-	13.2	20	79	0
trans-1,4-Dichloro-2-buten	0.076	0.057	-	25*	20	67	0
4-Chlorotoluene	1.223	1.191	-	2.6	20	84	0
tert-Butylbenzene	1.455	1.472	-	-1.2	20	87	0
1,2,4-Trimethylbenzene	1.289	1.173	-	9	20	83	0
sec-Butylbenzene	1.759	1.777	-	-1	20	86	0
p-Isopropyltoluene	1.464	1.429	-	2.4	20	85	0
1,3-Dichlorobenzene	0.769	0.743	-	3.4	20	84	0
1,4-Dichlorobenzene	0.763	0.739	-	3.1	20	85	0
p-Diethylbenzene	0.844	0.792	-	6.2	20	85	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422		
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS		
Instrument ID	: VOA122	**Calibration Date**	: 03/17/23 18:55		
Lab File ID	: V22230317N01	**Init. Calib. Date(s)**	: 03/13/23	03/13/23	
Sample No	: WG1756621-2	**Init. Calib. Times**	: 13:58	17:42	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.23	1.177	-	4.3	20	86	0
1,2-Dichlorobenzene	0.675	0.641	-	5	20	83	0
1,2,4,5-Tetramethylbenzene	1.089	1.01	-	7.3	20	82	0
1,2-Dibromo-3-chloropropan	10	8.119	-	18.8	20	70	0
1,3,5-Trichlorobenzene	0.424	0.393	-	7.3	20	82	0
Hexachlorobutadiene	0.152	0.149	-	2	20	86	0
1,2,4-Trichlorobenzene	0.371	0.352*	-	5.1	20	83	0
Naphthalene	0.857	0.82	-	4.3	20	82	0
1,2,3-Trichlorobenzene	0.323	0.31*	-	4	20	83	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N01.D
Acq On : 17 Mar 2023 3:15 pm
Operator : VOA104:TMS
Sample : WG1756211-2
Misc : WG1756211,ICAL19666
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 15:56:49 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.05min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene		1.000	1.000	0.0	107	0.00
2	TP	Dichlorodifluoromethane		0.449	0.440	2.0	131	0.00
3	TP	Chloromethane		0.829	0.558	32.7#	85	0.00
4	TC	Vinyl chloride		0.578	0.490	15.2	109	0.00
5	TP	Bromomethane	*	40.000	46.114	-15.3	134	0.00
6	TP	Chloroethane	*	40.000	47.716	-19.3	133	0.00
7	TP	Trichlorofluoromethane		0.616	0.685	-11.2	146	0.00
8	TP	Ethyl ether		0.133	0.122	8.3	106	0.00
10	TC	1,1-Dichloroethene		0.391	0.369	5.6	121	0.00
11	TP	Carbon disulfide		0.828	1.303	-57.4#	192	0.00
12	TP	Freon-113		0.396	0.413	-4.3	141	0.00
14	TP	Acrolein		0.044	0.036	18.2	99	0.00
15	TP	Methylene chloride		0.437	0.405	7.3	103	0.00
17	TP	Acetone		0.084	0.067	20.2#	93	0.00
18	TP	trans-1,2-Dichloroethene		0.404	0.379	6.2	111	0.00
19	TP	Methyl acetate		0.168	0.124	26.2#	83	0.00
20	TP	Methyl tert-butyl ether		0.613	0.606	1.1	108	0.00
21	TP	tert-Butyl alcohol		0.029	0.026	10.3	100	0.00
22	TP	Diisopropyl ether		1.266	0.961	24.1#	82	0.00
23	TP	1,1-Dichloroethane		0.885	0.745	15.8	102	0.00
24	TP	Halothane		0.304	0.298	2.0	124	0.00
25	TP	Acrylonitrile		0.089	0.069	22.5#	85	0.00
26	TP	Ethyl tert-butyl ether		1.005	0.895	10.9	96	0.00
27	TP	Vinyl acetate		0.603	0.529	12.3	96	0.00
28	TP	cis-1,2-Dichloroethene		0.442	0.389	12.0	100	0.00
29	TP	2,2-Dichloropropane		0.599	0.625	-4.3	133	0.00
30	TP	Bromochloromethane		0.197	0.190	3.6	110	0.00
31	TP	Cyclohexane		0.830	0.699	15.8	114	0.00
32	TC	Chloroform		0.715	0.649	9.2	108	0.00
33	TP	Ethyl acetate		0.243	0.183	24.7#	85	0.00
34	TP	Carbon tetrachloride		0.502	0.534	-6.4	139	0.00
35	TP	Tetrahydrofuran		0.091	0.070	23.1#	88	0.00
36	S	Dibromofluoromethane		0.345	0.301	12.8	101	0.00
37	TP	1,1,1-Trichloroethane		0.562	0.582	-3.6	129	0.00
39	TP	2-Butanone	*	40.000	32.695	18.3	99	0.00
40	TP	1,1-Dichloropropene	*	40.000	40.430	-1.1	125	0.00
41	TP	Benzene		1.332	1.249	6.2	106	0.00
42	TP	tert-Amyl methyl ether		0.708	0.643	9.2	103	0.00
43	S	1,2-Dichloroethane-d4		0.275	0.260	5.5	113	0.00

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N01.D
Acq On : 17 Mar 2023 3:15 pm
Operator : VOA104:TMS
Sample : WG1756211-2
Misc : WG1756211,ICAL19666
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 15:56:49 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.05min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TP	1,2-Dichloroethane	0.475	0.429	9.7	106	0.00
47	TP	Methyl cyclohexane	* 40.000	39.538	1.2	133	0.00
48	TP	Trichloroethene	0.355	0.371	-4.5	120	0.00
50	TP	Dibromomethane	0.207	0.194	6.3	108	0.00
51	TC	1,2-Dichloropropane	0.415	0.349	15.9	93	0.00
53	TP	2-Chloroethyl vinyl ether	0.181	0.143	21.0#	94	0.00
54	TP	Bromodichloromethane	0.495	0.468	5.5	107	0.00
57	TP	1,4-Dioxane	0.00276	0.00274#	0.7	97	0.00
58	TP	cis-1,3-Dichloropropene	0.509	0.512	-0.6	103	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
60	S	Toluene-d8	1.204	1.254	-4.2	102	0.00
61	TC	Toluene	0.948	0.993	-4.7	112	0.00
62	TP	4-Methyl-2-pentanone	0.108	0.093	13.9	90	0.00
63	TP	Tetrachloroethene	* 40.000	44.878	-12.2	133	0.00
65	TP	trans-1,3-Dichloropropene	* 40.000	40.538	-1.3	108	0.00
67	TP	Ethyl methacrylate	0.325	0.336	-3.4	103	0.00
68	TP	1,1,2-Trichloroethane	* 40.000	38.483	3.8	101	0.00
69	TP	Chlorodibromomethane	0.369	0.409	-10.8	111	0.00
70	TP	1,3-Dichloropropane	0.479	0.492	-2.7	102	0.00
71	TP	1,2-Dibromoethane	* 40.000	40.373	-0.9	106	0.00
72	TP	2-Hexanone	0.217	0.184	15.2	91	0.00
73	TP	Chlorobenzene	1.122	1.215	-8.3	113	0.00
74	TC	Ethylbenzene	1.893	2.053	-8.5	120	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.363	0.415	-14.3	114	0.00
76	TP	p/m Xylene	0.718	0.808	-12.5	121	0.00
77	TP	o Xylene	0.690	0.779	-12.9	120	0.00
78	TP	Styrene	1.094	1.285	-17.5	122	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
80	TP	Bromoform	* 40.000	41.524	-3.8	115	0.00
82	TP	Isopropylbenzene	3.169	3.500	-10.4	131	0.00
83	S	4-Bromofluorobenzene	0.864	0.831	3.8	100	0.00
84	TP	Bromobenzene	0.848	0.917	-8.1	118	0.00
85	TP	n-Propylbenzene	3.894	4.203	-7.9	128	0.00
86	TP	1,4-Dichlorobutane	0.990	0.877	11.4	95	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.635	0.641	-0.9	106	0.00
88	TP	4-Ethyltoluene	3.197	3.541	-10.8	128	0.00
89	TP	2-Chlorotoluene	2.304	2.482	-7.7	124	0.00

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N01.D
Acq On : 17 Mar 2023 3:15 pm
Operator : VOA104:TMS
Sample : WG1756211-2
Misc : WG1756211,ICAL19666
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 15:56:49 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.05min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 TP	1,3,5-Trimethylbenzene	2.712	2.960	-9.1	128	0.00
91 TP	1,2,3-Trichloropropane	0.465	0.472	-1.5	113	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.195	0.196	-0.5	103	0.00
93 TP	4-Chlorotoluene	2.359	2.546	-7.9	122	0.00
94 TP	tert-Butylbenzene	2.368	2.631	-11.1	134	0.00
97 TP	1,2,4-Trimethylbenzene	2.681	2.934	-9.4	125	0.00
98 TP	sec-Butylbenzene	3.591	3.979	-10.8	137	0.00
99 TP	p-Isopropyltoluene	3.072	3.517	-14.5	138	0.00
100 TP	1,3-Dichlorobenzene	1.642	1.836	-11.8	124	0.00
101 TP	1,4-Dichlorobenzene	1.700	1.852	-8.9	126	0.00
102 TP	p-Diethylbenzene	1.876	2.126	-13.3	136	0.00
103 TP	n-Butylbenzene	2.754	3.100	-12.6	136	0.00
104 TP	1,2-Dichlorobenzene	1.533	1.693	-10.4	122	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.922	3.344	-14.4	130	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.110	0.114	-3.6	114	0.00
107 TP	1,3,5-Trichlorobenzene	1.282	1.528	-19.2	136	0.00
108 TP	Hexachlorobutadiene	0.656	0.822	-25.3#	160	0.00
109 TP	1,2,4-Trichlorobenzene	1.105	1.301	-17.7	130	0.00
110 TP	Naphthalene	2.093	2.126	-1.6	113	0.00
111 TP	1,2,3-Trichlorobenzene	0.980	1.109	-13.2	127	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N01.D
Acq On : 17 Mar 2023 3:15 pm
Operator : VOA104:TMS
Sample : WG1756211-2
Misc : WG1756211,ICAL19666
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 15:56:49 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.534	96	175009	20.000	ug/L	0.00
Standard Area 1 = 175009			Recovery = 100.00%			
59) Chlorobenzene-d5	9.015	117	143112	20.000	ug/L	0.00
Standard Area 1 = 143112			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	11.815	152	87180	20.000	ug/L	0.00
Standard Area 1 = 87180			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.758	113	52597	17.403	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 87.02%			
43) 1,2-Dichloroethane-d4	5.267	65	45510	18.887	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 94.44%			
60) Toluene-d8	7.191	98	179525	20.842	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 104.21%			
83) 4-Bromofluorobenzene	10.562	95	72416	19.233	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.17%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.471	85	154006	39.165	ug/L	99
3) Chloromethane	1.638	50	195183	26.906	ug/L	99
4) Vinyl chloride	1.701	62	171385	33.875	ug/L	99
5) Bromomethane	1.969	94	115888	46.114	ug/L	98
6) Chloroethane	2.079	64	100185	47.716	ug/L	98
7) Trichlorofluoromethane	2.194	101	239737	44.480	ug/L	99
8) Ethyl ether	2.456	74	42630	36.541	ug/L	98
10) 1,1-Dichloroethene	2.635	96	129291	37.813	ug/L	99
11) Carbon disulfide	2.661	76	456228	62.934	ug/L	99
12) Freon-113	2.666	101	144573	41.675	ug/L	85
14) Acrolein	2.939	56	12547	32.690	ug/L	96
15) Methylene chloride	3.154	84	141798	37.049	ug/L	98
17) Acetone	3.190	43	23308	31.897	ug/L	100
18) trans-1,2-Dichloroethene	3.285	96	132513	37.444	ug/L	100
19) Methyl acetate	3.295	43	43354	29.544	ug/L #	92
20) Methyl tert-butyl ether	3.369	73	212082	39.566	ug/L	97
21) tert-Butyl alcohol	3.463	59	44949	177.607	ug/L	91
22) Diisopropyl ether	3.704	45	336254	30.346	ug/L	99
23) 1,1-Dichloroethane	3.835	63	260912	33.707	ug/L	99
24) Halothane	3.893	117	104296	39.223	ug/L	99
25) Acrylonitrile	3.898	53	24043	30.921	ug/L #	90

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N01.D
Acq On : 17 Mar 2023 3:15 pm
Operator : VOA104:TMS
Sample : WG1756211-2
Misc : WG1756211,ICAL19666
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 15:56:49 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.035	59	313158	35.607	ug/L		99
27) Vinyl acetate	4.061	43	185259	35.083	ug/L		100
28) cis-1,2-Dichloroethene	4.333	96	136247	35.233	ug/L		100
29) 2,2-Dichloropropane	4.417	77	218737	41.697	ug/L		96
30) Bromochloromethane	4.517	128	66482	38.514	ug/L		98
31) Cyclohexane	4.501	56	244637	33.666	ug/L		100
32) Chloroform	4.590	83	227177	36.329	ug/L		99
33) Ethyl acetate	4.695	43	64073	30.164	ug/L		98
34) Carbon tetrachloride	4.700	117	186747	42.478	ug/L		100
35) Tetrahydrofuran	4.727	42	24543	30.745	ug/L		95
37) 1,1,1-Trichloroethane	4.763	97	203770	41.443	ug/L		98
39) 2-Butanone	4.873	43	28461	32.695	ug/L	#	75
40) 1,1-Dichloropropene	4.889	75	163825	40.430	ug/L		99
41) Benzene	5.125	78	437231	37.521	ug/L		100
42) tert-Amyl methyl ether	5.230	73	224901	36.300	ug/L		97
44) 1,2-Dichloroethane	5.330	62	150153	36.143	ug/L		100
47) Methyl cyclohexane	5.681	83	201344	39.538	ug/L		99
48) Trichloroethene	5.707	95	129759	41.812	ug/L		99
50) Dibromomethane	6.142	93	67885	37.492	ug/L		99
51) 1,2-Dichloropropane	6.237	63	122225	33.664	ug/L		98
53) 2-Chloroethyl vinyl ether	6.939	63	49908	31.434	ug/L		99
54) Bromodichloromethane	6.321	83	163643	37.742	ug/L		99
57) 1,4-Dioxane	6.525	88	47963	1986.164	ug/L		98
58) cis-1,3-Dichloropropene	6.997	75	179167	40.244	ug/L		99
61) Toluene	7.249	92	284328	41.896	ug/L		100
62) 4-Methyl-2-pentanone	7.689	58	26752	34.691	ug/L		96
63) Tetrachloroethene	7.684	166	145640	44.878	ug/L		99
65) trans-1,3-Dichloropropene	7.741	75	155669	40.538	ug/L		100
67) Ethyl methacrylate	7.930	69	96065	41.297	ug/L		94
68) 1,1,2-Trichloroethane	7.920	83	70025	38.483	ug/L		99
69) Chlorodibromomethane	8.124	129	117029	44.282	ug/L		99
70) 1,3-Dichloropropane	8.234	76	140948	41.122	ug/L		100
71) 1,2-Dibromoethane	8.392	107	88015	40.373	ug/L		99
72) 2-Hexanone	8.696	43	52777	33.935	ug/L		98
73) Chlorobenzene	9.031	112	347691	43.298	ug/L		99
74) Ethylbenzene	9.068	91	587498	43.368	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.120	131	118923	45.770	ug/L		99
76) p/m Xylene	9.257	106	462684	90.018	ug/L		97
77) o Xylene	9.797	106	446198	90.429	ug/L		97
78) Styrene	9.875	104	735474	93.949	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N01.D
Acq On : 17 Mar 2023 3:15 pm
Operator : VOA104:TMS
Sample : WG1756211-2
Misc : WG1756211,ICAL19666
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 15:56:49 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Bromoform	9.902	173	74449	41.524	ug/L	99
82) Isopropylbenzene	10.211	105	610328	44.182	ug/L	99
84) Bromobenzene	10.667	156	159831	43.218	ug/L	99
85) n-Propylbenzene	10.719	91	732861	43.172	ug/L	100
86) 1,4-Dichlorobutane	10.746	55	152875	35.418	ug/L	99
87) 1,1,2,2-Tetrachloroethane	10.835	83	111796	40.390	ug/L	99
88) 4-Ethyltoluene	10.851	105	617356	44.298	ug/L	99
89) 2-Chlorotoluene	10.892	91	432697	43.084	ug/L	100
90) 1,3,5-Trimethylbenzene	10.955	105	516180	43.660	ug/L	99
91) 1,2,3-Trichloropropane	10.966	75	82352	40.647	ug/L	97
92) trans-1,4-Dichloro-2-b...	11.029	53	34101	40.119	ug/L	94
93) 4-Chlorotoluene	11.086	91	443959	43.178	ug/L	98
94) tert-Butylbenzene	11.307	119	458729	44.440	ug/L	99
97) 1,2,4-Trimethylbenzene	11.396	105	511579	43.768	ug/L	100
98) sec-Butylbenzene	11.506	105	693843	44.331	ug/L	99
99) p-Isopropyltoluene	11.668	119	613197	45.786	ug/L	99
100) 1,3-Dichlorobenzene	11.731	146	320043	44.703	ug/L	100
101) 1,4-Dichlorobenzene	11.831	146	322991	43.595	ug/L	100
102) p-Diethylbenzene	12.051	119	370701	45.336	ug/L	98
103) n-Butylbenzene	12.109	91	540485	45.021	ug/L	98
104) 1,2-Dichlorobenzene	12.261	146	295175	44.171	ug/L	99
105) 1,2,4,5-Tetramethylben...	12.864	119	583071	45.774	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.063	155	19942	41.603	ug/L	99
107) 1,3,5-Trichlorobenzene	13.084	180	266402	47.678	ug/L	99
108) Hexachlorobutadiene	13.666	225	143298	50.121	ug/L	99
109) 1,2,4-Trichlorobenzene	13.692	180	226853	47.079	ug/L	99
110) Naphthalene	13.986	128	370764	40.640	ug/L	100
111) 1,2,3-Trichlorobenzene	14.154	180	193344	45.245	ug/L	99

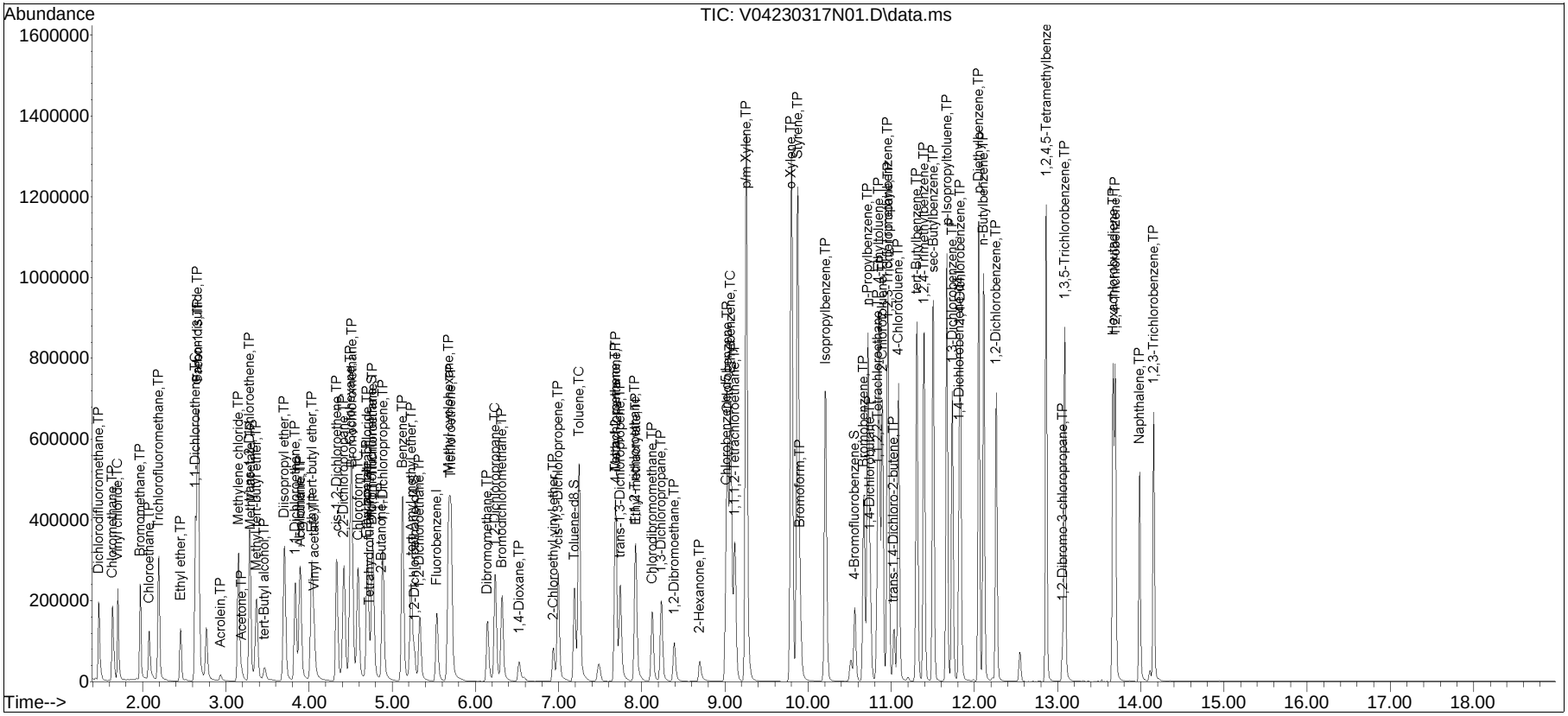
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N01.D
Acq On : 17 Mar 2023 3:15 pm
Operator : VOA104:TMS
Sample : WG1756211-2
Misc : WG1756211,ICAL19666
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 15:56:49 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox7N\V04230317N01.D•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA104\2023\2Q	Method	: V104_230118A_8260.m
Data File	: V04230317N01.D	Operator	: VOA104:TMS
Date Inj'd	: 3/17/2023 3:15 pm	Instrument	: VOA104
Sample	: WG1756211-2	Quant Date	: 3/17/2023 3:57 pm

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317N01.D
Acq On : 17 Mar 2023 06:55 pm
Operator : VOA122:PID
Sample : WG1756621-2
Misc : WG1756621,ICAL19808
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 19:22:10 2023
Quant Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
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	90	0.00
2	TP	Dichlorodifluoromethane	0.136	0.135	0.7	88	0.00
3	TP	Chloromethane	0.167	0.157	6.0	83	0.00
4	TC	Vinyl chloride	0.185	0.195	-5.4	91	0.00
5	TP	Bromomethane	0.107	0.079	26.2#	74	0.00
6	TP	Chloroethane	0.127	0.127	0.0	88	0.00
7	TP	Trichlorofluoromethane	0.217	0.223	-2.8	91	0.00
8	TP	Ethyl ether	0.053	0.052	1.9	86	0.00
10	TC	1,1-Dichloroethene	0.131	0.131	0.0	87	0.00
11	TP	Carbon disulfide	0.395	0.344	12.9	77	0.00
12	TP	Freon-113	0.138	0.146	-5.8	94	0.00
14	TP	Acrolein	0.015	0.013	13.3	78	0.00
15	TP	Methylene chloride	0.148	0.147	0.7	87	0.00
17	TP	Acetone	* 10.000	9.612	3.9	80	0.00
18	TP	trans-1,2-Dichloroethene	0.147	0.142	3.4	85	0.00
19	TP	Methyl acetate	0.059	0.054	8.5	80	0.00
21	TP	Methyl tert-butyl ether	0.240	0.226	5.8	83	0.00
22	TP	tert-Butyl alcohol	0.00761	0.00690#	9.3	75	0.00
24	TP	Diisopropyl ether	0.377	0.337	10.6	83	0.00
25	TP	1,1-Dichloroethane	0.274	0.269#	1.8	85	0.00
26	TP	Halothane	0.107	0.103	3.7	84	0.00
27	TP	Acrylonitrile	0.031	0.029	6.5	82	0.00
28	TP	Ethyl tert-butyl ether	0.342	0.303	11.4	83	0.00
29	TP	Vinyl acetate	0.226	0.187	17.3	81	0.00
30	TP	cis-1,2-Dichloroethene	0.158	0.160#	-1.3	88	0.00
31	TP	2,2-Dichloropropane	0.210	0.212	-1.0	87	0.00
32	TP	Bromochloromethane	0.073	0.072#	1.4	85	0.00
33	TP	Cyclohexane	0.272	0.268	1.5	86	0.00
34	TC	Chloroform	0.256	0.245	4.3	85	0.00
35	TP	Ethyl acetate	0.077	0.072	6.5	86	0.00
36	TP	Carbon tetrachloride	0.181	0.181	0.0	86	0.00
37	TP	Tetrahydrofuran	0.024	0.023	4.2	77	0.00
38	S	Dibromofluoromethane	0.305	0.303	0.7	89	0.00
39	TP	1,1,1-Trichloroethane	0.217	0.217	0.0	88	0.00
41	TP	2-Butanone	0.035	0.030	14.3	82	0.00
42	TP	1,1-Dichloropropene	0.187	0.176	5.9	87	0.00
44	TP	Benzene	0.516	0.506	1.9	85	0.00
45	TP	tert-Amyl methyl ether	0.282	0.258	8.5	85	0.00
46	S	1,2-Dichloroethane-d4	0.304	0.290	4.6	86	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317N01.D
Acq On : 17 Mar 2023 06:55 pm
Operator : VOA122:PID
Sample : WG1756621-2
Misc : WG1756621,ICAL19808
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 19:22:10 2023
Quant Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
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)
47	T	1,2-Dichloroethane	0.170	0.163	4.1	83	0.00
50	TP	Methyl cyclohexane	0.246	0.235	4.5	90	0.00
51	TP	Trichloroethene	0.157	0.147#	6.4	88	0.00
53	TP	Dibromomethane	0.077	0.076	1.3	85	0.00
54	TC	1,2-Dichloropropane	0.139	0.137	1.4	85	0.00
57	TP	Bromodichloromethane	0.183	0.166#	9.3	81	0.00
60	TP	1,4-Dioxane	0.00092	0.00084#	8.7	79	0.00
61	TP	cis-1,3-Dichloropropene	0.207	0.191#	7.7	83	0.00
62	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
63	S	Toluene-d8	1.310	1.321	-0.8	89	0.00
64	TC	Toluene	0.435	0.428	1.6	87	0.00
65	TP	4-Methyl-2-pentanone	0.025	0.022#	12.0	76	0.00
66	TP	Tetrachloroethene	0.169	0.173	-2.4	93	0.00
68	TP	trans-1,3-Dichloropropene	0.249	0.226#	9.2	82	0.00
70	TP	Ethyl methacrylate	0.144	0.127	11.8	76	0.00
71	TP	1,1,2-Trichloroethane	0.102	0.099#	2.9	87	0.00
72	TP	Chlorodibromomethane	0.148	0.127#	14.2	78	0.00
73	TP	1,3-Dichloropropane	0.217	0.207	4.6	85	0.00
74	TP	1,2-Dibromoethane	0.121	0.118#	2.5	88	0.00
76	TP	2-Hexanone	0.072	0.057	20.8#	71	0.00
77	TP	Chlorobenzene	0.491	0.484	1.4	87	0.00
78	TC	Ethylbenzene	0.858	0.828	3.5	85	0.00
79	TP	1,1,1,2-Tetrachloroethane	0.157	0.140	10.8	82	0.00
80	TP	p/m Xylene	0.338	0.334	1.2	86	0.00
81	TP	o Xylene	0.325	0.316	2.8	85	0.00
82	TP	Styrene	0.539	0.512	5.0	83	0.00
83	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00
84	TP	Bromoform	* 10.000	6.853	31.5#	72	0.00
86	TP	Isopropylbenzene	1.733	1.716	1.0	86	0.00
87	S	4-Bromofluorobenzene	0.933	0.920	1.4	85	0.00
88	TP	Bromobenzene	0.386	0.375	2.8	84	0.00
89	TP	n-Propylbenzene	2.056	2.053	0.1	86	0.00
90	TP	1,4-Dichlorobutane	0.391	0.347	11.3	80	0.00
91	TP	1,1,2,2-Tetrachloroethane	0.261	0.235	10.0	80	0.00
92	TP	4-Ethyltoluene	1.650	1.645	0.3	86	0.00
93	TP	2-Chlorotoluene	1.163	1.129	2.9	84	0.00
94	TP	1,3,5-Trimethylbenzene	1.330	1.213	8.8	83	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317N01.D
Acq On : 17 Mar 2023 06:55 pm
Operator : VOA122:PID
Sample : WG1756621-2
Misc : WG1756621,ICAL19808
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 19:22:10 2023
Quant Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
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)
95 TP	1,2,3-Trichloropropane	0.220	0.191	13.2	79	0.00
96 TP	trans-1,4-Dichloro-2-butene	0.076	0.057	25.0#	67	0.00
97 TP	4-Chlorotoluene	1.223	1.191	2.6	84	0.00
98 TP	tert-Butylbenzene	1.455	1.472	-1.2	87	0.00
101 TP	1,2,4-Trimethylbenzene	1.289	1.173	9.0	83	0.00
102 TP	sec-Butylbenzene	1.759	1.777	-1.0	86	0.00
103 TP	p-Isopropyltoluene	1.464	1.429	2.4	85	0.00
104 TP	1,3-Dichlorobenzene	0.769	0.743	3.4	84	0.00
105 TP	1,4-Dichlorobenzene	0.763	0.739	3.1	85	0.00
106 TP	p-Diethylbenzene	0.844	0.792	6.2	85	0.00
107 TP	n-Butylbenzene	1.230	1.177	4.3	86	0.00
108 TP	1,2-Dichlorobenzene	0.675	0.641	5.0	83	0.00
109 TP	1,2,4,5-Tetramethylbenzene	1.089	1.010	7.3	82	0.00
110 TP	1,2-Dibromo-3-chloropropane *	10.000	8.119	18.8	70	0.00
111 TP	1,3,5-Trichlorobenzene	0.424	0.393	7.3	82	0.00
112 TP	Hexachlorobutadiene	0.152	0.149	2.0	86	0.00
113 TP	1,2,4-Trichlorobenzene	0.371	0.352#	5.1	83	0.00
114 TP	Naphthalene	0.857	0.820	4.3	82	0.00
115 TP	1,2,3-Trichlorobenzene	0.323	0.310#	4.0	83	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 15 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317N01.D
Acq On : 17 Mar 2023 06:55 pm
Operator : VOA122:PID
Sample : WG1756621-2
Misc : WG1756621,ICAL19808
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 19:22:10 2023
Quant Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230317N\V22230317N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.292	96	370064	10.000	ug/L	0.00
Standard Area 1 = 370064			Recovery = 100.00%			
62) Chlorobenzene-d5	9.874	117	281467	10.000	ug/L	0.00
Standard Area 1 = 281467			Recovery = 100.00%			
83) 1,4-Dichlorobenzene-d4	12.515	152	142023	10.000	ug/L	0.00
Standard Area 1 = 142023			Recovery = 100.00%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.460	113	112208	9.951	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.51%			
46) 1,2-Dichloroethane-d4	6.004	65	107458	9.544	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.44%			
63) Toluene-d8	8.016	98	371770	10.080	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.80%			
87) 4-Bromofluorobenzene	11.325	95	130716	9.862	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.62%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.689	85	50072	9.950	ug/L	99
3) Chloromethane	1.898	50	58266	9.454	ug/L	98
4) Vinyl chloride	1.975	62	72077	10.529	ug/L	99
5) Bromomethane	2.317	94	29269	7.396	ug/L	99
6) Chloroethane	2.442	64	46926	9.999	ug/L	100
7) Trichlorofluoromethane	2.602	101	82634	10.275	ug/L	99
8) Ethyl ether	2.923	74	19352	9.824	ug/L #	1
10) 1,1-Dichloroethene	3.125	96	48312	9.996	ug/L	84
11) Carbon disulfide	3.160	76	127381	8.708	ug/L	100
12) Freon-113	3.174	101	54205	10.579	ug/L	92
14) Acrolein	3.460	56	4963	9.204	ug/L	98
15) Methylene chloride	3.711	84	54492	9.917	ug/L	85
17) Acetone	3.753	43	10051	9.612	ug/L	96
18) trans-1,2-Dichloroethene	3.871	96	52726	9.713	ug/L	91
19) Methyl acetate	3.878	43	19871	9.120	ug/L #	91
21) Methyl tert-butyl ether	3.976	73	83599	9.405	ug/L	94
22) tert-Butyl alcohol	4.052	59	12768	45.343	ug/L	92
24) Diisopropyl ether	4.345	45	124756	8.938	ug/L	95
25) 1,1-Dichloroethane	4.478	63	99463	9.792	ug/L	96
26) Halothane	4.526	117	38106	9.604	ug/L	100
27) Acrylonitrile	4.519	53	10667	9.386	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317N01.D
Acq On : 17 Mar 2023 06:55 pm
Operator : VOA122:PID
Sample : WG1756621-2
Misc : WG1756621,ICAL19808
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 19:22:10 2023
Quant Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230317N\V22230317N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Ethyl tert-butyl ether	4.708	59	112166	8.865	ug/L		97
29) Vinyl acetate	4.715	43	69189	8.289	ug/L	#	94
30) cis-1,2-Dichloroethene	5.014	96	59330	10.125	ug/L		92
31) 2,2-Dichloropropane	5.119	77	78341	10.099	ug/L		94
32) Bromochloromethane	5.209	128	26801	9.940	ug/L	#	86
33) Cyclohexane	5.223	56	99304	9.850	ug/L		89
34) Chloroform	5.279	83	90537	9.540	ug/L		96
35) Ethyl acetate	5.391	43	26508	9.357	ug/L		95
36) Carbon tetrachloride	5.426	117	67101	10.026	ug/L		98
37) Tetrahydrofuran	5.439	42	8387	9.431	ug/L		99
39) 1,1,1-Trichloroethane	5.495	97	80134	9.989	ug/L		96
41) 2-Butanone	5.579	43	11237	8.606	ug/L	#	61
42) 1,1-Dichloropropene	5.621	75	65118	9.420	ug/L		99
44) Benzene	5.871	78	187385	9.815	ug/L		96
45) tert-Amyl methyl ether	5.974	73	95621	9.158	ug/L		96
47) 1,2-Dichloroethane	6.070	62	60160	9.537	ug/L		99
50) Methyl cyclohexane	6.469	83	86963	9.567	ug/L		87
51) Trichloroethene	6.476	95	54260	9.363	ug/L		96
53) Dibromomethane	6.918	93	28306	9.874	ug/L	#	83
54) 1,2-Dichloropropane	7.029	63	50617	9.835	ug/L		95
57) Bromodichloromethane	7.095	83	61512	9.099	ug/L		99
60) 1,4-Dioxane	7.309	88	15512	455.792	ug/L	#	81
61) cis-1,3-Dichloropropene	7.795	75	70827	9.255	ug/L		94
64) Toluene	8.075	92	120510	9.838	ug/L		98
65) 4-Methyl-2-pentanone	8.495	58	6217	8.670	ug/L		87
66) Tetrachloroethene	8.526	166	48621	10.225	ug/L		95
68) trans-1,3-Dichloropropene	8.549	75	63472	9.048	ug/L		96
70) Ethyl methacrylate	8.740	69	35651	8.821	ug/L		94
71) 1,1,2-Trichloroethane	8.740	83	27733	9.622	ug/L		95
72) Chlorodibromomethane	8.954	129	35883	8.590	ug/L		99
73) 1,3-Dichloropropane	9.073	76	58161	9.531	ug/L		98
74) 1,2-Dibromoethane	9.239	107	33294	9.779	ug/L		99
76) 2-Hexanone	9.517	43	15930	7.904	ug/L		95
77) Chlorobenzene	9.897	112	136107	9.841	ug/L		98
78) Ethylbenzene	9.937	91	233151	9.649	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.977	131	39516	8.952	ug/L		98
80) p/m Xylene	10.120	106	187883	19.738	ug/L		99
81) o Xylene	10.643	106	177842	19.439	ug/L		99
82) Styrene	10.706	104	288160	19.001	ug/L		100
84) Bromoform	10.730	173	17308	6.853	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317N01.D
Acq On : 17 Mar 2023 06:55 pm
Operator : VOA122:PID
Sample : WG1756621-2
Misc : WG1756621,ICAL19808
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 19:22:10 2023
Quant Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230317N\V22230317N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
86) Isopropylbenzene	11.016	105	243782	9.904	ug/L		99
88) Bromobenzene	11.444	156	53263	9.728	ug/L		99
89) n-Propylbenzene	11.476	91	291580	9.985	ug/L		98
90) 1,4-Dichlorobutane	11.491	55	49246	8.865	ug/L		98
91) 1,1,2,2-Tetrachloroethane	11.555	83	33309	8.998	ug/L		99
92) 4-Ethyltoluene	11.602	105	233621	9.968	ug/L		99
93) 2-Chlorotoluene	11.642	91	160300M6	9.702	ug/L		
94) 1,3,5-Trimethylbenzene	11.698	105	172256	9.120	ug/L		99
95) 1,2,3-Trichloropropane	11.698	75	27088	8.683	ug/L		98
96) trans-1,4-Dichloro-2-b...	11.745	53	8109	7.552	ug/L	#	78
97) 4-Chlorotoluene	11.825	91	169134	9.738	ug/L		99
98) tert-Butylbenzene	12.035	119	209011	10.113	ug/L		99
101) 1,2,4-Trimethylbenzene	12.104	105	166578	9.100	ug/L		99
102) sec-Butylbenzene	12.216	105	252405	10.103	ug/L		99
103) p-Isopropyltoluene	12.369	119	202937	9.761	ug/L		99
104) 1,3-Dichlorobenzene	12.438	146	105507	9.660	ug/L		97
105) 1,4-Dichlorobenzene	12.529	146	104999	9.688	ug/L		97
106) p-Diethylbenzene	12.738	119	112510	9.390	ug/L		98
107) n-Butylbenzene	12.793	91	167167	9.570	ug/L		98
108) 1,2-Dichlorobenzene	12.947	146	91045	9.495	ug/L		97
109) 1,2,4,5-Tetramethylben...	13.517	119	143444	9.272	ug/L		99
110) 1,2-Dibromo-3-chloropr...	13.712	155	4748	8.119	ug/L		98
111) 1,3,5-Trichlorobenzene	13.747	180	55860	9.275	ug/L		96
112) Hexachlorobutadiene	14.318	225	21146	9.808	ug/L		98
113) 1,2,4-Trichlorobenzene	14.339	180	50049	9.497	ug/L		98
114) Naphthalene	14.638	128	116433	9.567	ug/L		100
115) 1,2,3-Trichlorobenzene	14.798	180	44066	9.614	ug/L		99

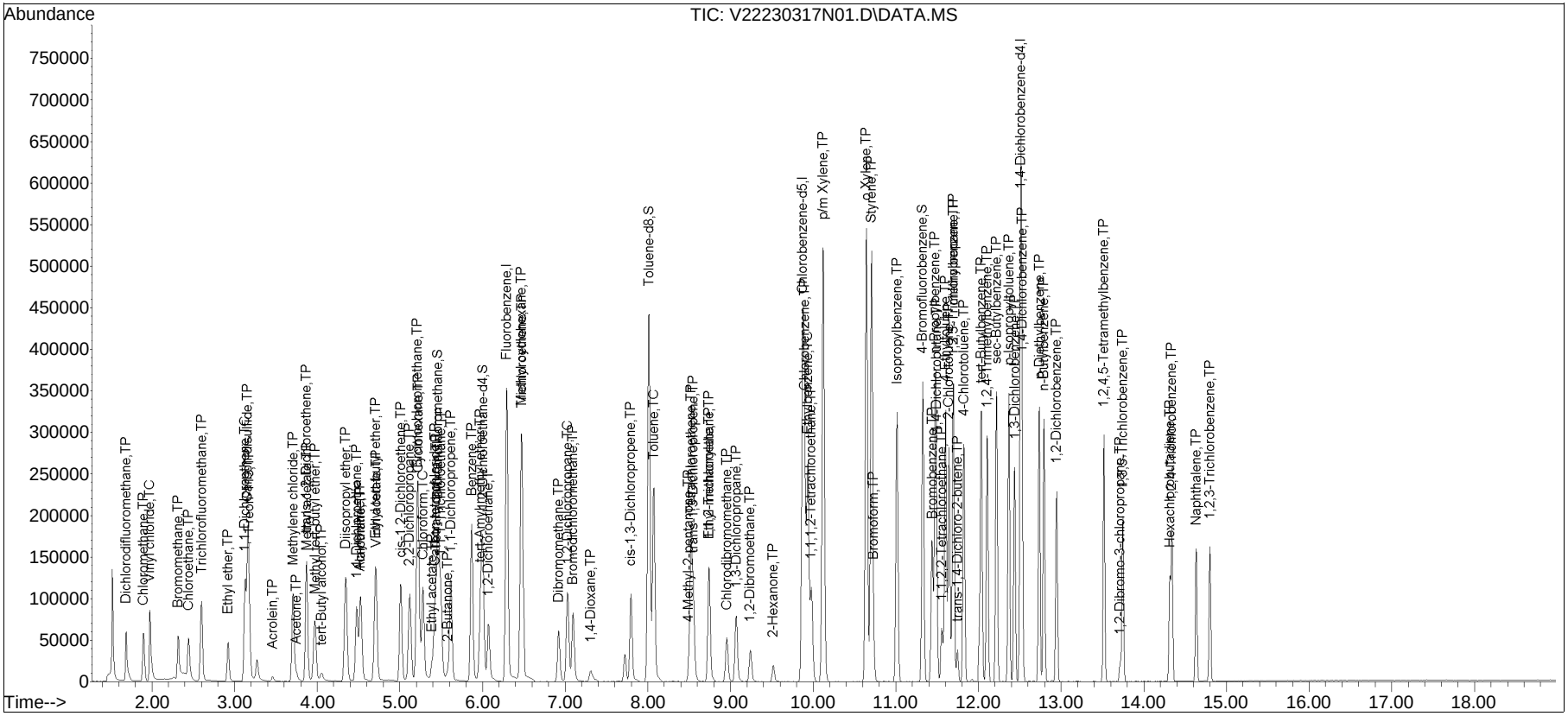
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317N01.D
Acq On : 17 Mar 2023 06:55 pm
Operator : VOA122:PID
Sample : WG1756621-2
Misc : WG1756621,ICAL19808
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 19:22:10 2023
Quant Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

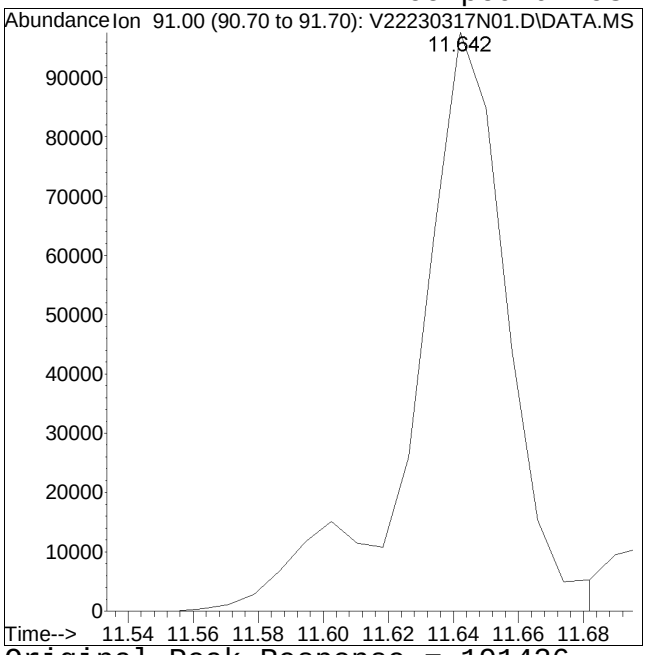
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•



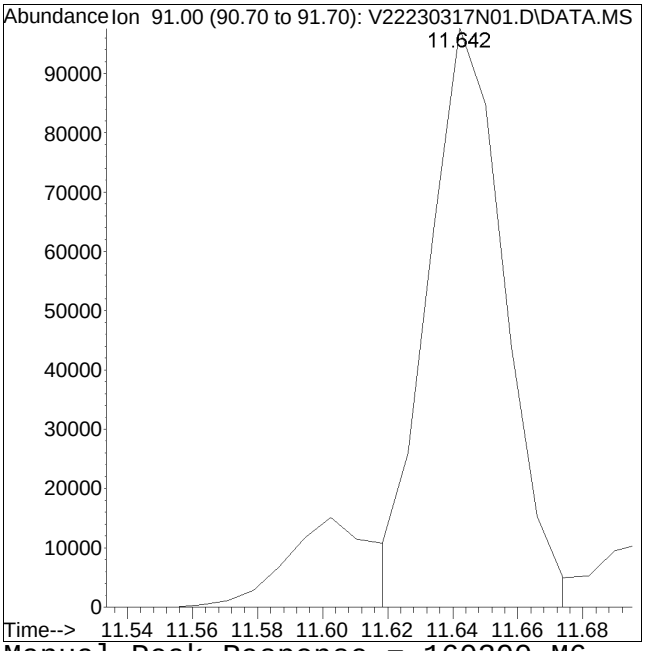
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230313A_8260.m
Data File : V22230317N01.D Operator : VOA122:PID
Date Inj'd : 3/17/2023 6:55 pm Instrument : VOA122
Sample : WG1756621-2 Quant Date : 3/17/2023 7:22 pm

Compound #93: 2-Chlorotoluene



Original Peak Response = 191426



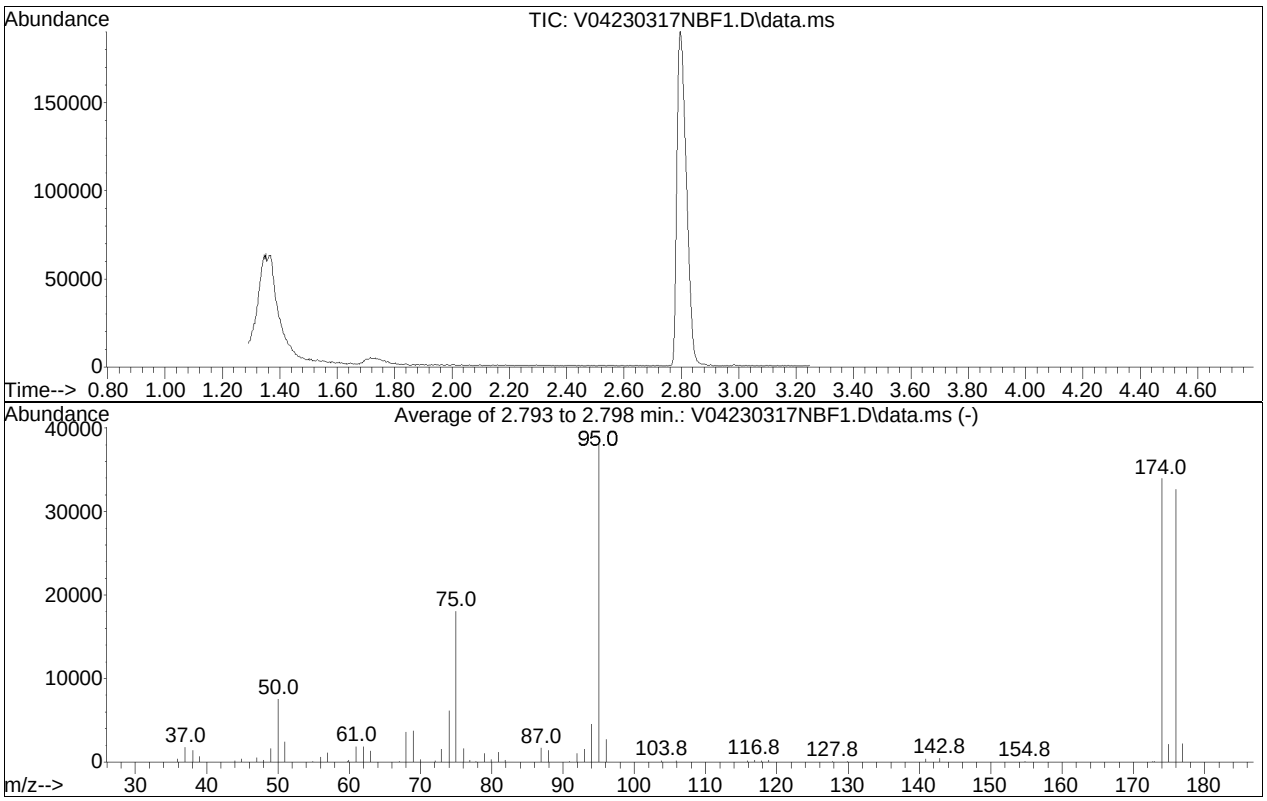
Manual Peak Response = 160300 M6

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

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317NBF1.D
Acq On : 17 Mar 2023 2:52 pm
Operator : VOA104:TMS
Sample : WG1756211-1
Misc : WG1756211
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jan 19 14:20:58 2023



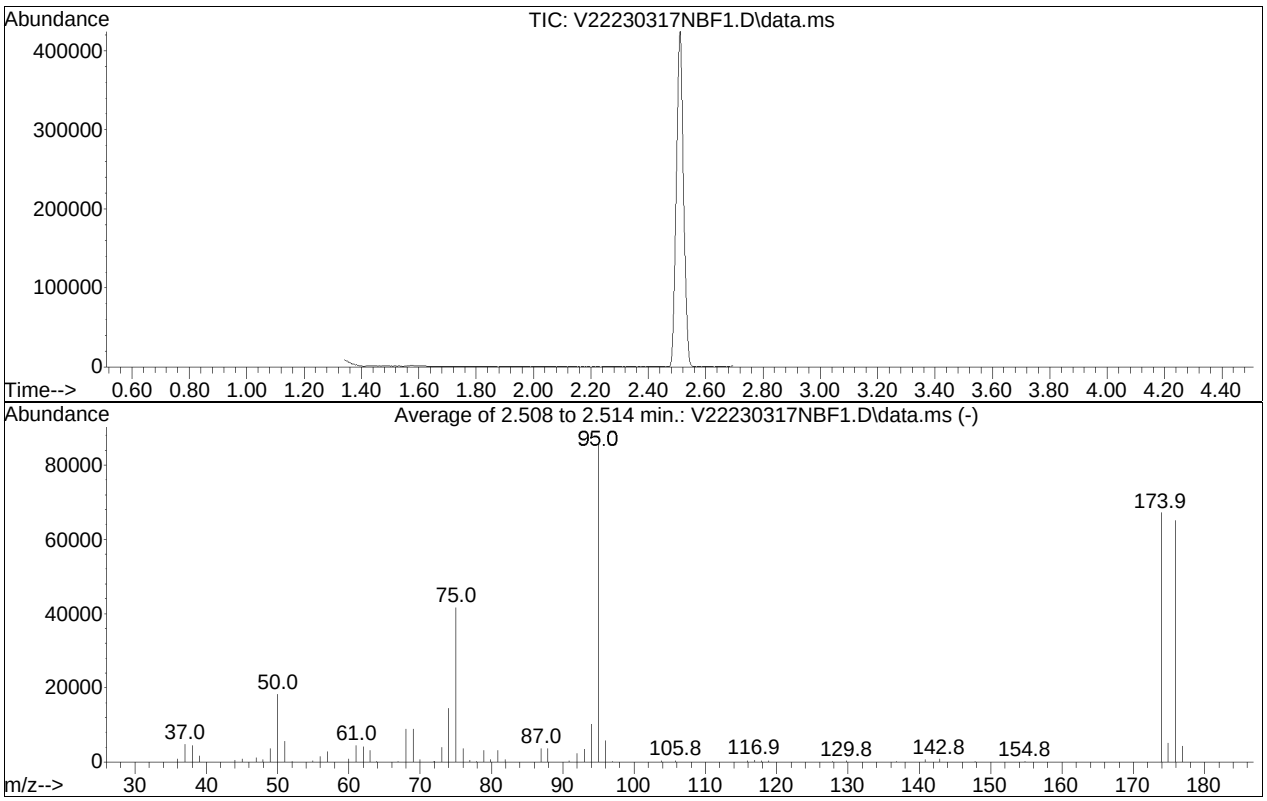
AutoFind: Scans 540, 541, 542; Background Corrected with Scan 528

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.8	7570	PASS
75	95	30	60	47.2	18040	PASS
95	95	100	100	100.0	38253	PASS
96	95	5	9	7.0	2692	PASS
173	174	0.00	2	0.3	94	PASS
174	95	50	100	88.9	33989	PASS
175	174	5	9	6.3	2136	PASS
176	174	95	101	96.2	32688	PASS
177	176	5	9	6.7	2190	PASS

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317NBF1.D
Acq On : 17 Mar 2023 06:42 pm
Operator : VOA122:PID
Sample : WG1756621-1
Misc : WG1756621
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Mar 14 11:12:30 2023



AutoFind: Scans 420, 421, 422; Background Corrected with Scan 405

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.2	18235	PASS
75	95	30	60	48.4	41627	PASS
95	95	100	100	100.0	86064	PASS
96	95	5	9	6.7	5787	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	78.2	67285	PASS
175	174	5	9	7.7	5154	PASS
176	174	95	101	96.7	65043	PASS
177	176	5	9	6.7	4356	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N05.D
Acq On : 17 Mar 2023 4:59 pm
Operator : VOA104:TMS
Sample : WG1756211-5,31,5,5
Misc : WG1756211,ICAL19666
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 17 18:19:46 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.534	96	117962	20.000	ug/L	0.00
Standard Area 1 = 175009			Recovery = 67.40%			
59) Chlorobenzene-d5	9.015	117	123731	20.000	ug/L	0.00
Standard Area 1 = 143112			Recovery = 86.46%			
79) 1,4-Dichlorobenzene-d4	11.821	152	83317	20.000	ug/L	0.00
Standard Area 1 = 87180			Recovery = 95.57%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.758	113	44935	22.058	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 110.29%			
43) 1,2-Dichloroethane-d4	5.267	65	39171	24.118	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 120.59%			
60) Toluene-d8	7.191	98	144738	19.436	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.18%			
83) 4-Bromofluorobenzene	10.562	95	68626	19.072	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.36%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D. d		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.969	94	2367	0.557	ug/L	87
6) Chloroethane	0.000		0	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	0.000		0	N.D. d		
15) Methylene chloride	3.154	84	501	0.194	ug/L #	89
17) Acetone	0.000		0	N.D. d		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D. d		
23) 1,1-Dichloroethane	0.000		0	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	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N05.D
Acq On : 17 Mar 2023 4:59 pm
Operator : VOA104:TMS
Sample : WG1756211-5,31,5,5
Misc : WG1756211,ICAL19666
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 17 18:19:46 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.D
Sub List : 8260-CurveSoil - 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	0.000		0	N.D.		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	0.000		0	N.D.		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	0.000		0	N.D.		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	0.000		0	N.D.		
74) Ethylbenzene	0.000		0	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.		d
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		d
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	0.000		0	N.D.		d
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	0.000		0	N.D.		d
89) 2-Chlorotoluene	0.000		0	N.D.		d
90) 1,3,5-Trimethylbenzene	0.000		0	N.D.		d
91) 1,2,3-Trichloropropane	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93) 4-Chlorotoluene	0.000		0	N.D.		d
94) tert-Butylbenzene	11.322	119	204	N.D.		

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N05.D
Acq On : 17 Mar 2023 4:59 pm
Operator : VOA104:TMS
Sample : WG1756211-5,31,5,5
Misc : WG1756211,ICAL19666
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 17 18:19:46 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97)	1,2,4-Trimethylbenzene	0.000		0	N.D.	d		
98)	sec-Butylbenzene	0.000		0	N.D.	d		
99)	p-Isopropyltoluene	0.000		0	N.D.	d		
100)	1,3-Dichlorobenzene	0.000		0	N.D.	d		
101)	1,4-Dichlorobenzene	11.836	146	708	N.D.			
102)	p-Diethylbenzene	12.072	119	426	N.D.			
103)	n-Butylbenzene	12.135	91	1054	N.D.			
104)	1,2-Dichlorobenzene	0.000		0	N.D.	d		
105)	1,2,4,5-Tetramethylben...	12.874	119	1356	0.111	ug/L	#	91
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
108)	Hexachlorobutadiene	0.000		0	N.D.	d		
109)	1,2,4-Trichlorobenzene	13.713	180	1279	0.278	ug/L	#	78
110)	Naphthalene	14.007	128	4270	0.490	ug/L		100
111)	1,2,3-Trichlorobenzene	14.164	180	1446	0.354	ug/L	#	93

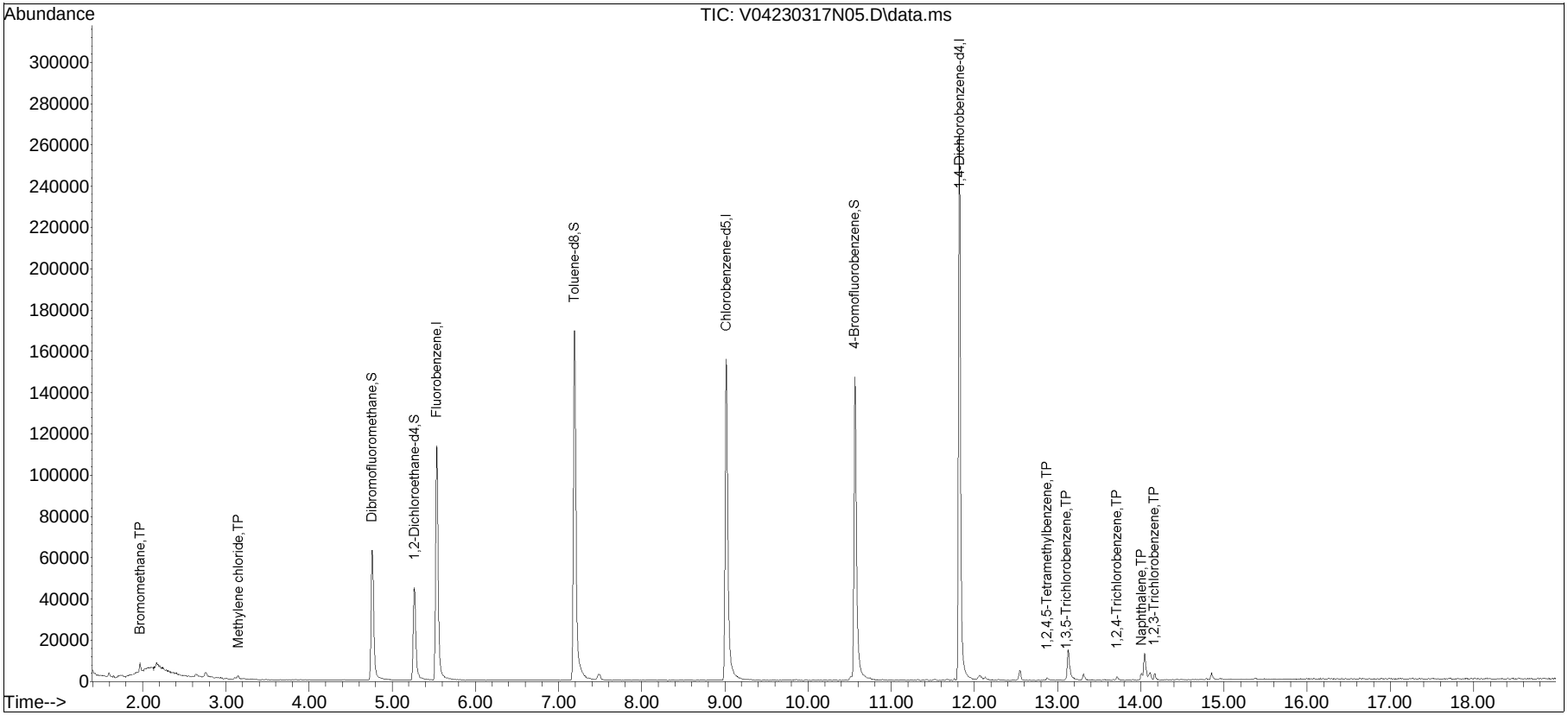
(#) = qualifier out of range (m) = manual integration (+) = signals summed

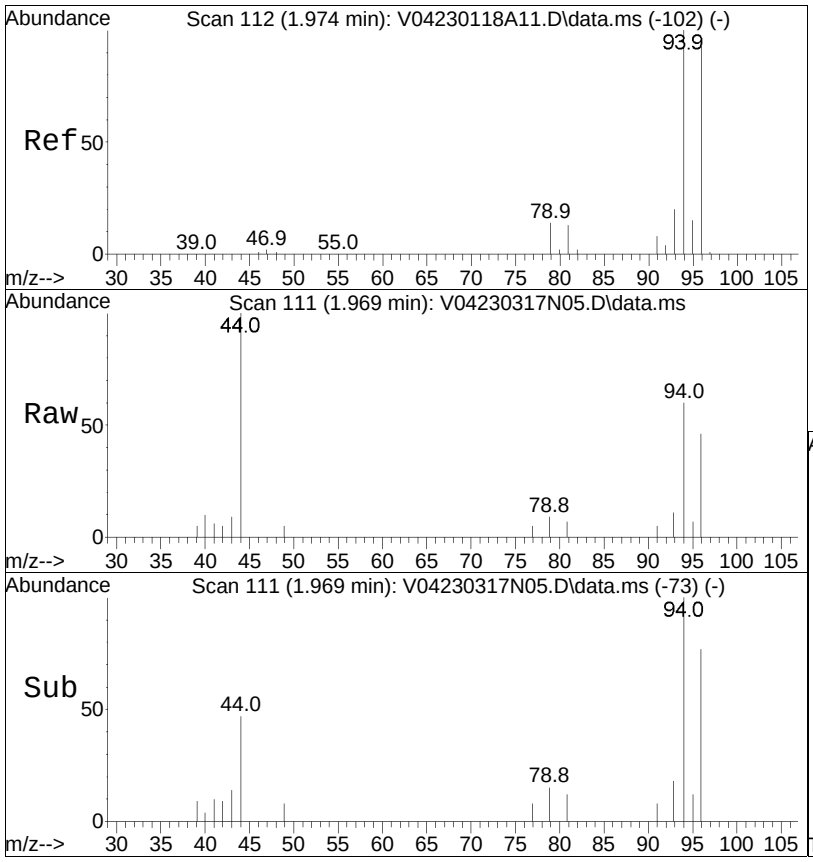
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N05.D
Acq On : 17 Mar 2023 4:59 pm
Operator : VOA104:TMS
Sample : WG1756211-5,31,5,5
Misc : WG1756211,ICAL19666
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 17 18:19:46 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox7N\V04230317N01.D•

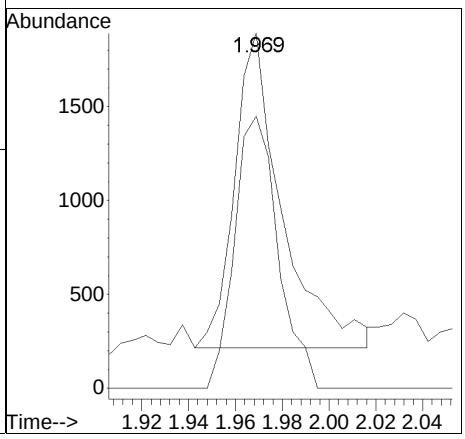


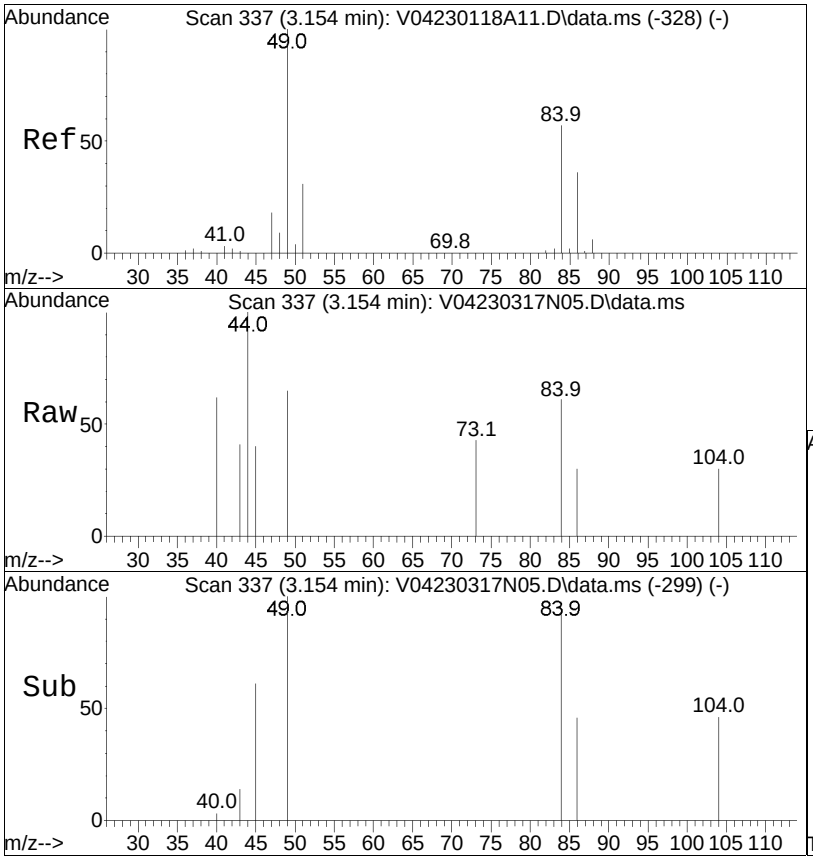


#5
Bromomethane
Concen: 0.56 ug/L
RT: 1.969 min Scan# 111
Delta R.T. -0.000 min
Lab File: V04230317N05.D
Acq: 17 Mar 2023 4:59 pm

Tgt Ion: 94 Resp: 2367

Ion	Ratio	Lower	Upper
94	100		
96	79.0	71.0	111.0

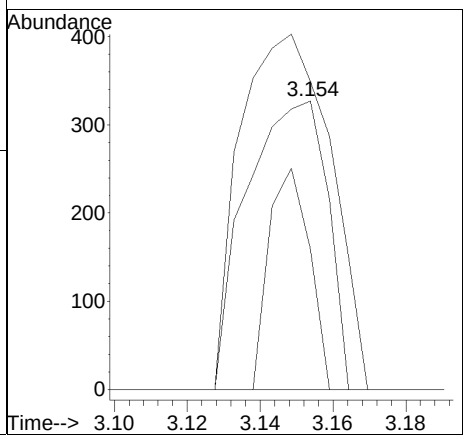


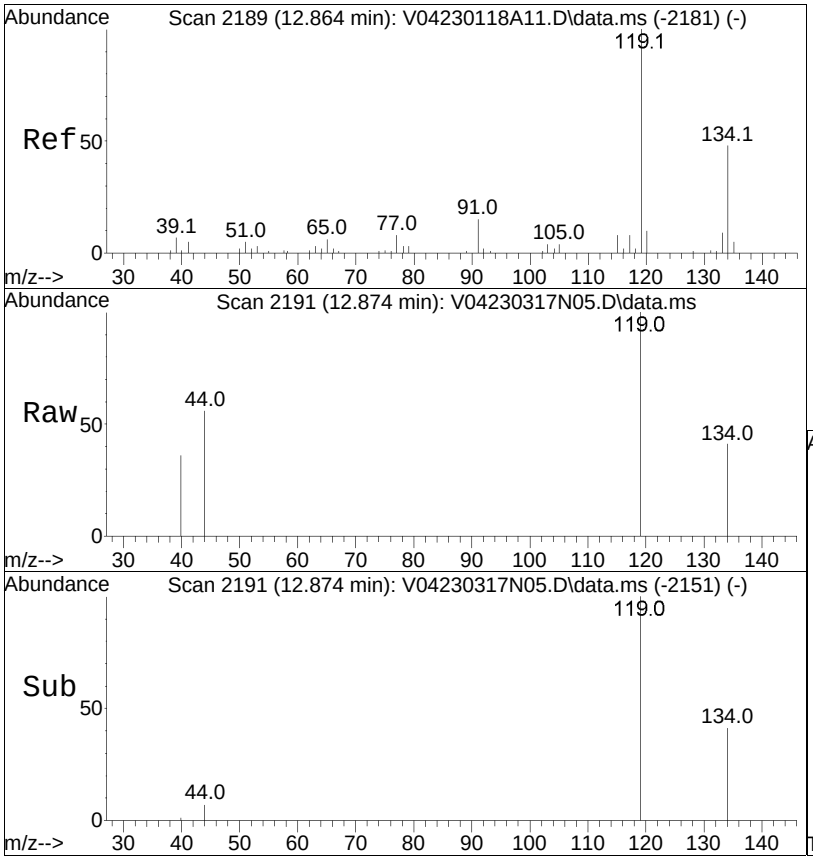


#15
Methylene chloride
Concen: 0.19 ug/L
RT: 3.154 min Scan# 337
Delta R.T. -0.000 min
Lab File: V04230317N05.D
Acq: 17 Mar 2023 4:59 pm

Tgt Ion: 84 Resp: 501

Ion	Ratio	Lower	Upper
84	100		
86	38.7	41.3	85.9#
49	137.9	91.0	189.0

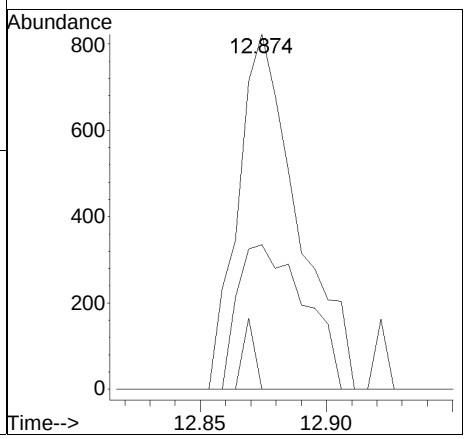


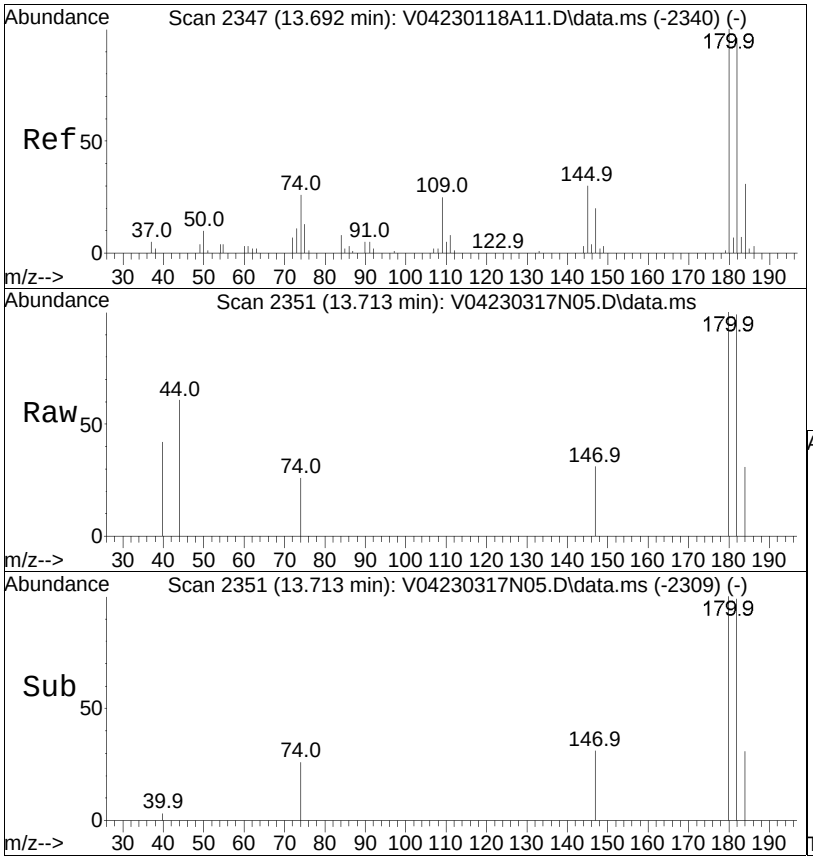


#105
1,2,4,5-Tetramethylbenzene
Concen: 0.11 ug/L
RT: 12.874 min Scan# 2191
Delta R.T. 0.010 min
Lab File: V04230317N05.D
Acq: 17 Mar 2023 4:59 pm

Tgt Ion:119 Resp: 1356

Ion	Ratio	Lower	Upper
119	100		
134	45.9	31.3	64.9
91	3.8	10.1	21.1#

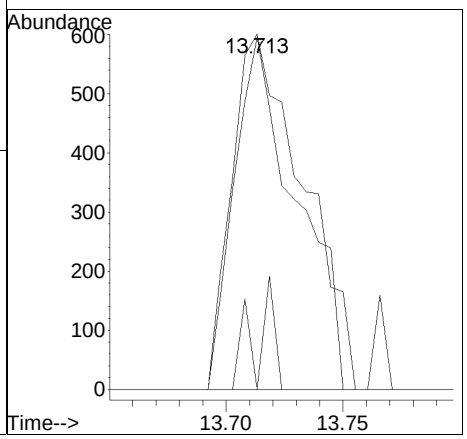


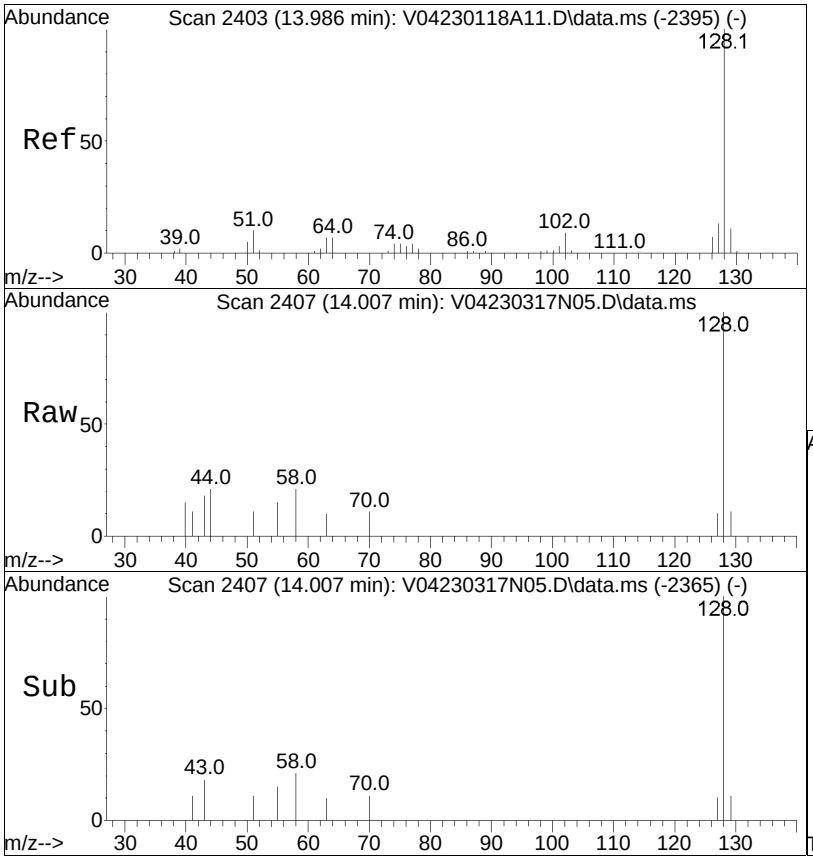


#109
1,2,4-Trichlorobenzene
Concen: 0.28 ug/L
RT: 13.713 min Scan# 2351
Delta R.T. 0.021 min
Lab File: V04230317N05.D
Acq: 17 Mar 2023 4:59 pm

Tgt Ion:180 Resp: 1279

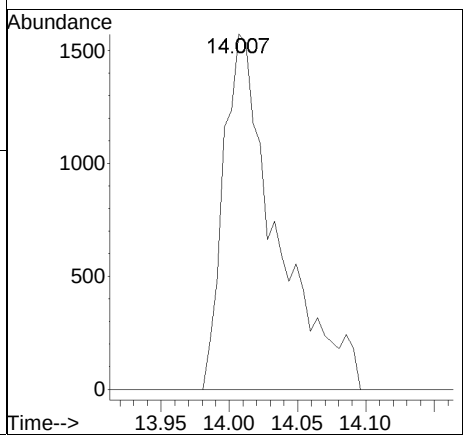
Ion	Ratio	Lower	Upper
180	100		
182	86.4	77.0	115.4
145	3.8	28.4	42.6#

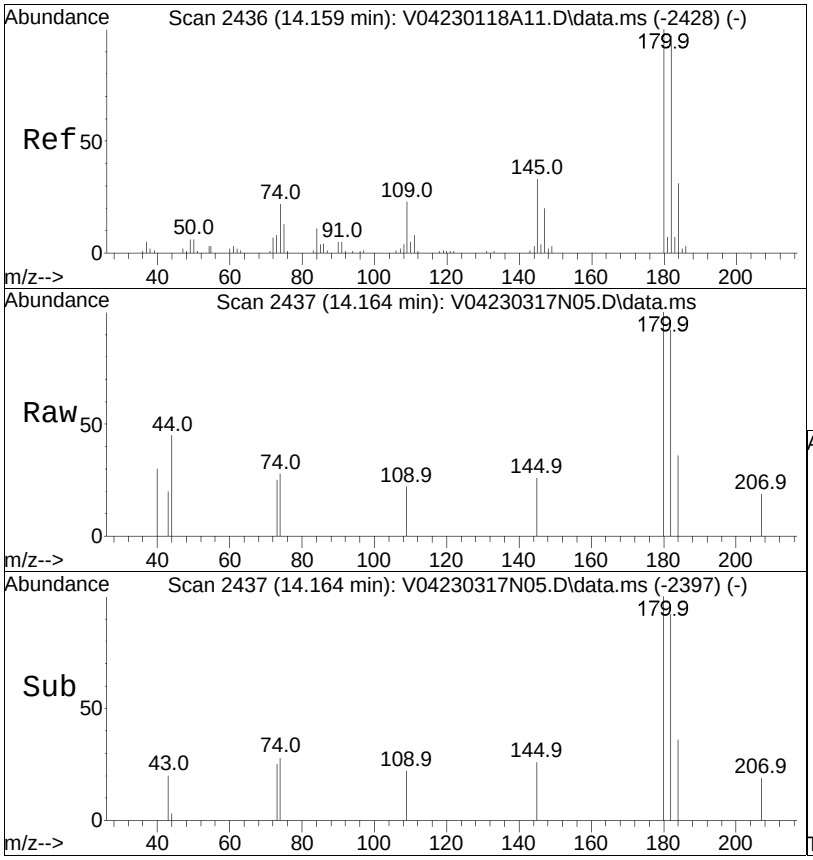




#110
Naphthalene
Concen: 0.49 ug/L
RT: 14.007 min Scan# 2407
Delta R.T. 0.021 min
Lab File: V04230317N05.D
Acq: 17 Mar 2023 4:59 pm

Tgt Ion:128 Resp: 4270

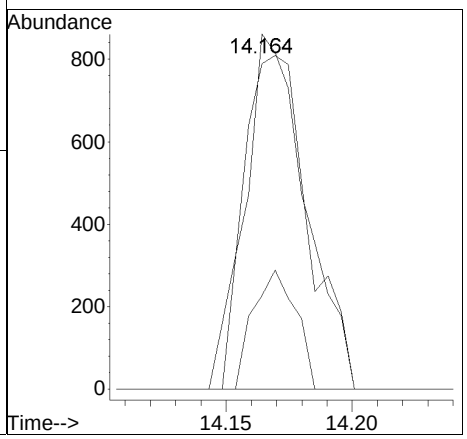




#111
1,2,3-Trichlorobenzene
Concen: 0.35 ug/L
RT: 14.164 min Scan# 2437
Delta R.T. 0.010 min
Lab File: V04230317N05.D
Acq: 17 Mar 2023 4:59 pm

Tgt Ion:180 Resp: 1446

Ion	Ratio	Lower	Upper
180	100		
182	98.8	75.9	113.9
145	23.7	25.8	38.6#



Manual Integration Report

Data Path	: I:\VOLATILES\VOA104\2023\2	Method	: V104_230118A_8260.m
Data File	: V04230317N05.D	Operator	: VOA104:TMS
Date Inj'd	: 3/17/2023 4:59 pm	Instrument	: VOA104
Sample	: WG1756211-5,31,5,5	Quant Date	: 3/17/2023 5:47 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317N05.D
Acq On : 17 Mar 2023 08:34 pm
Operator : VOA122:PID
Sample : WG1756621-5,31,10,10
Misc : WG1756621,ICAL19808
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 17 21:09:20 2023
Quant Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230317N\V22230317N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.292	96	304553	10.000 ug/L	0.00
Standard Area 1 = 370064			Recovery =	82.30%	
62) Chlorobenzene-d5	9.874	117	257745	10.000 ug/L	0.00
Standard Area 1 = 281467			Recovery =	91.57%	
83) 1,4-Dichlorobenzene-d4	12.508	152	121516	10.000 ug/L	0.00
Standard Area 1 = 142023			Recovery =	85.56%	
System Monitoring Compounds					
38) Dibromofluoromethane	5.461	113	102639	11.061 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	110.61%	
46) 1,2-Dichloroethane-d4	6.004	65	96238	10.386 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.86%	
63) Toluene-d8	8.009	98	334424	9.902 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.02%	
87) 4-Bromofluorobenzene	11.325	95	121287	10.695 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	106.95%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.331	94	74	N.D.	
6) Chloroethane	0.000		0	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	3.160	76	217	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	0.000		0	N.D.	d
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) 2,2-Dichloropropane	0.000		0	N.D.	
32) Bromochloromethane	0.000		0	N.D.	
34) Chloroform	0.000		0	N.D.	

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317N05.D
Acq On : 17 Mar 2023 08:34 pm
Operator : VOA122:PID
Sample : WG1756621-5,31,10,10
Misc : WG1756621,ICAL19808
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 17 21:09:20 2023
Quant Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230317N\V22230317N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Carbon tetrachloride	0.000		0		N.D.	
39) 1,1,1-Trichloroethane	0.000		0		N.D.	
41) 2-Butanone	0.000		0		N.D.	
42) 1,1-Dichloropropene	0.000		0		N.D.	
44) Benzene	0.000		0		N.D.	
47) 1,2-Dichloroethane	0.000		0		N.D.	
51) Trichloroethene	0.000		0		N.D.	
53) Dibromomethane	0.000		0		N.D.	
54) 1,2-Dichloropropane	0.000		0		N.D.	
57) Bromodichloromethane	0.000		0		N.D.	
60) 1,4-Dioxane	0.000		0		N.D.	
61) cis-1,3-Dichloropropene	0.000		0		N.D.	
64) Toluene	0.000		0		N.D.	
65) 4-Methyl-2-pentanone	0.000		0		N.D.	
66) Tetrachloroethene	0.000		0		N.D.	
68) trans-1,3-Dichloropropene	0.000		0		N.D.	
71) 1,1,2-Trichloroethane	0.000		0		N.D.	
72) Chlorodibromomethane	0.000		0		N.D.	
73) 1,3-Dichloropropane	0.000		0		N.D.	
74) 1,2-Dibromoethane	0.000		0		N.D.	
76) 2-Hexanone	0.000		0		N.D.	
77) Chlorobenzene	0.000		0		N.D.	
78) Ethylbenzene	9.874	91	343		N.D.	
79) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
80) p/m Xylene	0.000		0		N.D.	
81) o Xylene	0.000		0		N.D.	
82) Styrene	0.000		0		N.D.	
84) Bromoform	0.000		0		N.D.	
86) Isopropylbenzene	0.000		0		N.D.	
88) Bromobenzene	0.000		0		N.D.	
89) n-Propylbenzene	11.325	91	338		N.D.	
91) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
92) 4-Ethyltoluene	0.000		0		N.D.	
93) 2-Chlorotoluene	0.000		0		N.D.	
94) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
95) 1,2,3-Trichloropropane	0.000		0		N.D.	
96) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
97) 4-Chlorotoluene	0.000		0		N.D.	
98) tert-Butylbenzene	0.000		0		N.D.	

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317N05.D
Acq On : 17 Mar 2023 08:34 pm
Operator : VOA122:PID
Sample : WG1756621-5,31,10,10
Misc : WG1756621,ICAL19808
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 17 21:09:20 2023
Quant Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230317N\V22230317N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101)	1,2,4-Trimethylbenzene	0.000		0		N.D.	
102)	sec-Butylbenzene	0.000		0		N.D.	
103)	p-Isopropyltoluene	0.000		0		N.D.	
104)	1,3-Dichlorobenzene	0.000		0		N.D.	
105)	1,4-Dichlorobenzene	0.000		0		N.D.	
106)	p-Diethylbenzene	0.000		0		N.D.	
107)	n-Butylbenzene	12.801	91	73		N.D.	
108)	1,2-Dichlorobenzene	0.000		0		N.D.	
109)	1,2,4,5-Tetramethylben...	13.518	119	72		N.D.	
110)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
112)	Hexachlorobutadiene	0.000		0		N.D.	
113)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
114)	Naphthalene	14.631	128	264		N.D.	
115)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

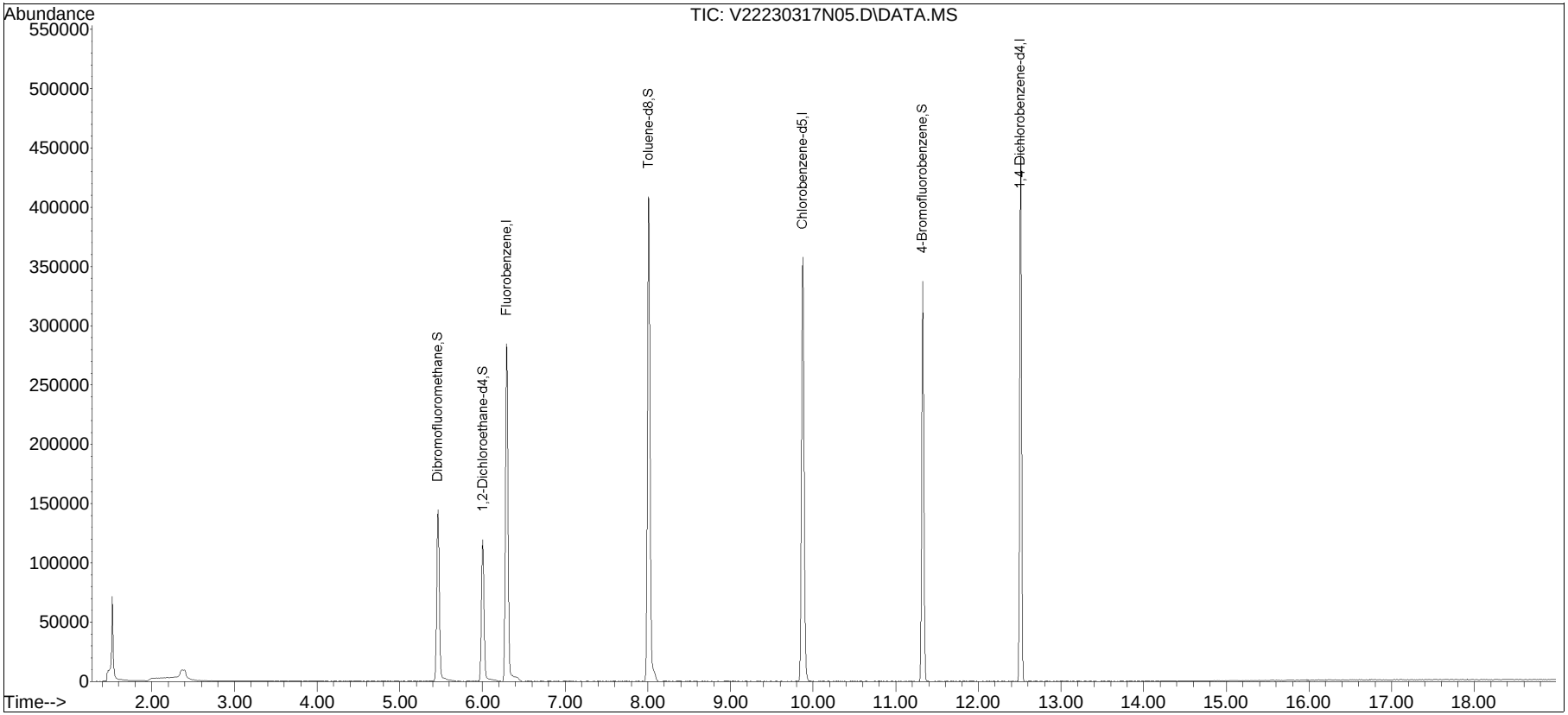
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317N05.D
Acq On : 17 Mar 2023 08:34 pm
Operator : VOA122:PID
Sample : WG1756621-5,31,10,10
Misc : WG1756621,ICAL19808
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 17 21:09:20 2023
Quant Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•



Manual Integration Report

Data Path	: I:\VOLATILES\VOA122\2023\2Q	Method	: V122_230313A_8260.m
Data File	: V22230317N05.D	Operator	: VOA122:PID
Date Inj'd	: 3/17/2023 8:34 pm	Instrument	: VOA122
Sample	: WG1756621-5,31,10,10	Quant Date	: 3/17/2023 9:08 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317N01.D
Acq On : 17 Mar 2023 06:55 pm
Operator : VOA122:PID
Sample : WG1756621-3,31,10,10
Misc : WG1756621,ICAL19808
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 19:22:10 2023
Quant Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230317N\V22230317N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.292	96	370064	10.000	ug/L	0.00
Standard Area 1 = 370064			Recovery = 100.00%			
62) Chlorobenzene-d5	9.874	117	281467	10.000	ug/L	0.00
Standard Area 1 = 281467			Recovery = 100.00%			
83) 1,4-Dichlorobenzene-d4	12.515	152	142023	10.000	ug/L	0.00
Standard Area 1 = 142023			Recovery = 100.00%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.460	113	112208	9.951	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.51%			
46) 1,2-Dichloroethane-d4	6.004	65	107458	9.544	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.44%			
63) Toluene-d8	8.016	98	371770	10.080	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.80%			
87) 4-Bromofluorobenzene	11.325	95	130716	9.862	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.62%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.689	85	50072	9.950	ug/L	99
3) Chloromethane	1.898	50	58266	9.454	ug/L	98
4) Vinyl chloride	1.975	62	72077	10.529	ug/L	99
5) Bromomethane	2.317	94	29269	7.396	ug/L	99
6) Chloroethane	2.442	64	46926	9.999	ug/L	100
7) Trichlorofluoromethane	2.602	101	82634	10.275	ug/L	99
8) Ethyl ether	2.923	74	19352	9.824	ug/L #	1
10) 1,1-Dichloroethene	3.125	96	48312	9.996	ug/L	84
11) Carbon disulfide	3.160	76	127381	8.708	ug/L	100
15) Methylene chloride	3.711	84	54492	9.917	ug/L	85
17) Acetone	3.753	43	10051	9.612	ug/L	96
18) trans-1,2-Dichloroethene	3.871	96	52726	9.713	ug/L	91
21) Methyl tert-butyl ether	3.976	73	83599	9.405	ug/L	94
25) 1,1-Dichloroethane	4.478	63	99463	9.792	ug/L	96
27) Acrylonitrile	4.519	53	10667	9.386	ug/L	96
29) Vinyl acetate	4.715	43	69189	8.289	ug/L #	94
30) cis-1,2-Dichloroethene	5.014	96	59330	10.125	ug/L	92
31) 2,2-Dichloropropane	5.119	77	78341	10.099	ug/L	94
32) Bromochloromethane	5.209	128	26801	9.940	ug/L #	86
34) Chloroform	5.279	83	90537	9.540	ug/L	96

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317N01.D
Acq On : 17 Mar 2023 06:55 pm
Operator : VOA122:PID
Sample : WG1756621-3,31,10,10
Misc : WG1756621,ICAL19808
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 19:22:10 2023
Quant Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230317N\V22230317N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	5.426	117	67101	10.026	ug/L		98
39) 1,1,1-Trichloroethane	5.495	97	80134	9.989	ug/L		96
41) 2-Butanone	5.579	43	11237	8.606	ug/L	#	61
42) 1,1-Dichloropropene	5.621	75	65118	9.420	ug/L		99
44) Benzene	5.871	78	187385	9.815	ug/L		96
47) 1,2-Dichloroethane	6.070	62	60160	9.537	ug/L		99
51) Trichloroethene	6.476	95	54260	9.363	ug/L		96
53) Dibromomethane	6.918	93	28306	9.874	ug/L	#	83
54) 1,2-Dichloropropane	7.029	63	50617	9.835	ug/L		95
57) Bromodichloromethane	7.095	83	61512	9.099	ug/L		99
60) 1,4-Dioxane	7.309	88	15512	455.792	ug/L	#	81
61) cis-1,3-Dichloropropene	7.795	75	70827	9.255	ug/L		94
64) Toluene	8.075	92	120510	9.838	ug/L		98
65) 4-Methyl-2-pentanone	8.495	58	6217	8.670	ug/L		87
66) Tetrachloroethene	8.526	166	48621	10.225	ug/L		95
68) trans-1,3-Dichloropropene	8.549	75	63472	9.048	ug/L		96
71) 1,1,2-Trichloroethane	8.740	83	27733	9.622	ug/L		95
72) Chlorodibromomethane	8.954	129	35883	8.590	ug/L		99
73) 1,3-Dichloropropane	9.073	76	58161	9.531	ug/L		98
74) 1,2-Dibromoethane	9.239	107	33294	9.779	ug/L		99
76) 2-Hexanone	9.517	43	15930	7.904	ug/L		95
77) Chlorobenzene	9.897	112	136107	9.841	ug/L		98
78) Ethylbenzene	9.937	91	233151	9.649	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.977	131	39516	8.952	ug/L		98
80) p/m Xylene	10.120	106	187883	19.738	ug/L		99
81) o Xylene	10.643	106	177842	19.439	ug/L		99
82) Styrene	10.706	104	288160	19.001	ug/L		100
84) Bromoform	10.730	173	17308	6.853	ug/L		97
86) Isopropylbenzene	11.016	105	243782	9.904	ug/L		99
88) Bromobenzene	11.444	156	53263	9.728	ug/L		99
89) n-Propylbenzene	11.476	91	291580	9.985	ug/L		98
91) 1,1,2,2-Tetrachloroethane	11.555	83	33309	8.998	ug/L		99
92) 4-Ethyltoluene	11.602	105	233621	9.968	ug/L		99
93) 2-Chlorotoluene	11.642	91	160300M6	9.702	ug/L		
94) 1,3,5-Trimethylbenzene	11.698	105	172256	9.120	ug/L		99
95) 1,2,3-Trichloropropane	11.698	75	27088	8.683	ug/L		98
96) trans-1,4-Dichloro-2-b...	11.745	53	8109	7.552	ug/L	#	78
97) 4-Chlorotoluene	11.825	91	169134	9.738	ug/L		99
98) tert-Butylbenzene	12.035	119	209011	10.113	ug/L		99

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317N01.D
Acq On : 17 Mar 2023 06:55 pm
Operator : VOA122:PID
Sample : WG1756621-3,31,10,10
Misc : WG1756621,ICAL19808
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 19:22:10 2023
Quant Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230317N\V22230317N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) 1,2,4-Trimethylbenzene	12.104	105	166578	9.100	ug/L	99
102) sec-Butylbenzene	12.216	105	252405	10.103	ug/L	99
103) p-Isopropyltoluene	12.369	119	202937	9.761	ug/L	99
104) 1,3-Dichlorobenzene	12.438	146	105507	9.660	ug/L	97
105) 1,4-Dichlorobenzene	12.529	146	104999	9.688	ug/L	97
106) p-Diethylbenzene	12.738	119	112510	9.390	ug/L	98
107) n-Butylbenzene	12.793	91	167167	9.570	ug/L	98
108) 1,2-Dichlorobenzene	12.947	146	91045	9.495	ug/L	97
109) 1,2,4,5-Tetramethylben...	13.517	119	143444	9.272	ug/L	99
110) 1,2-Dibromo-3-chloropr...	13.712	155	4748	8.119	ug/L	98
112) Hexachlorobutadiene	14.318	225	21146	9.808	ug/L	98
113) 1,2,4-Trichlorobenzene	14.339	180	50049	9.497	ug/L	98
114) Naphthalene	14.638	128	116433	9.567	ug/L	100
115) 1,2,3-Trichlorobenzene	14.798	180	44066	9.614	ug/L	99

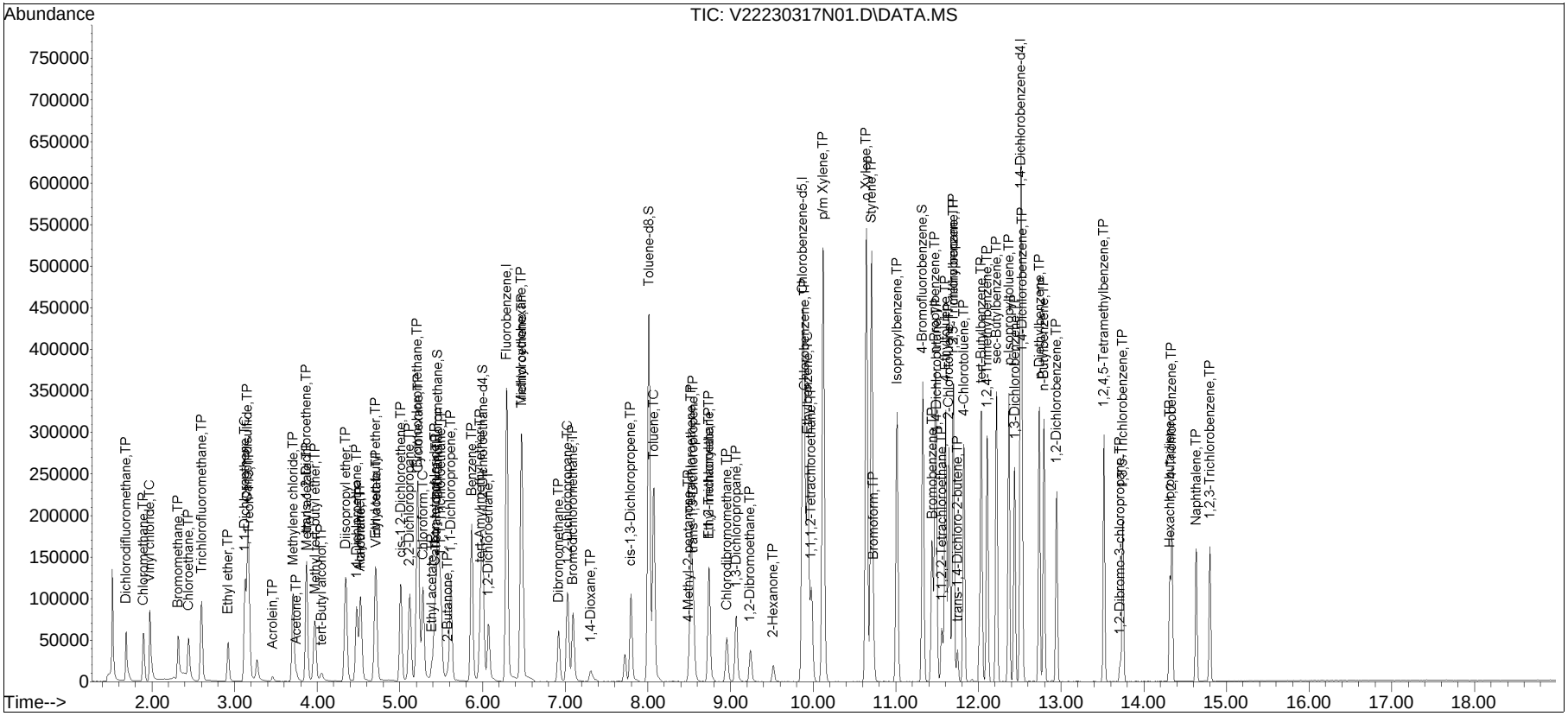
(#) = qualifier out of range (m) = manual integration (+) = signals summed

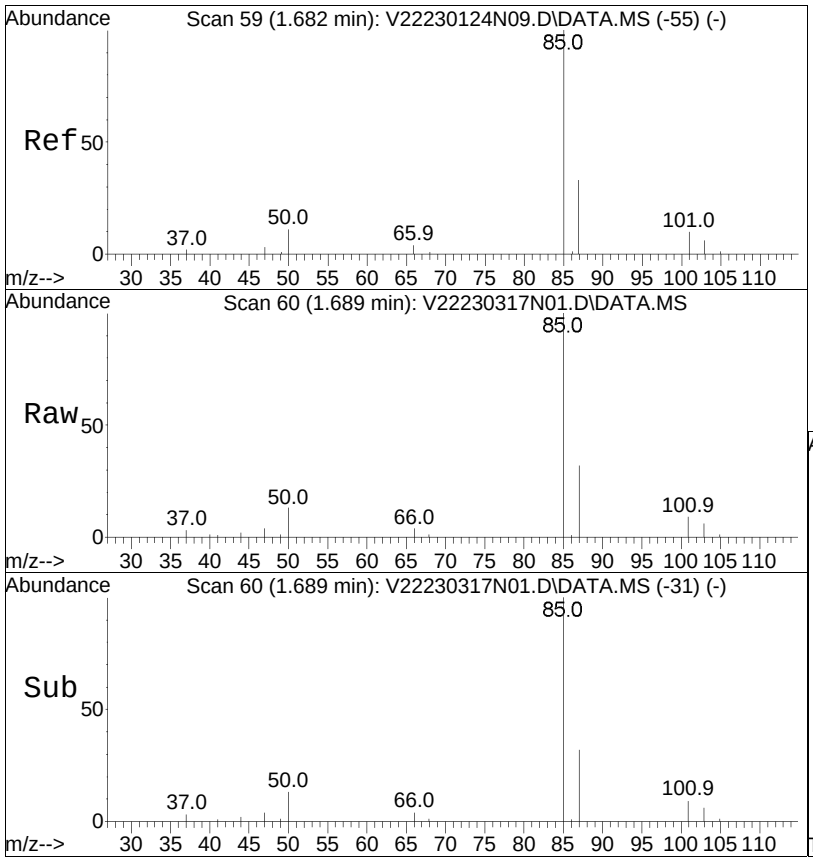
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317N01.D
Acq On : 17 Mar 2023 06:55 pm
Operator : VOA122:PID
Sample : WG1756621-3,31,10,10
Misc : WG1756621,ICAL19808
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 19:22:10 2023
Quant Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

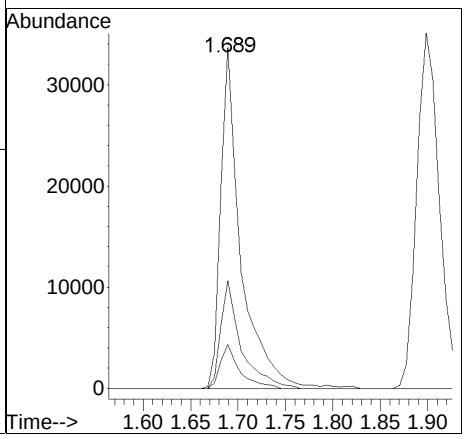


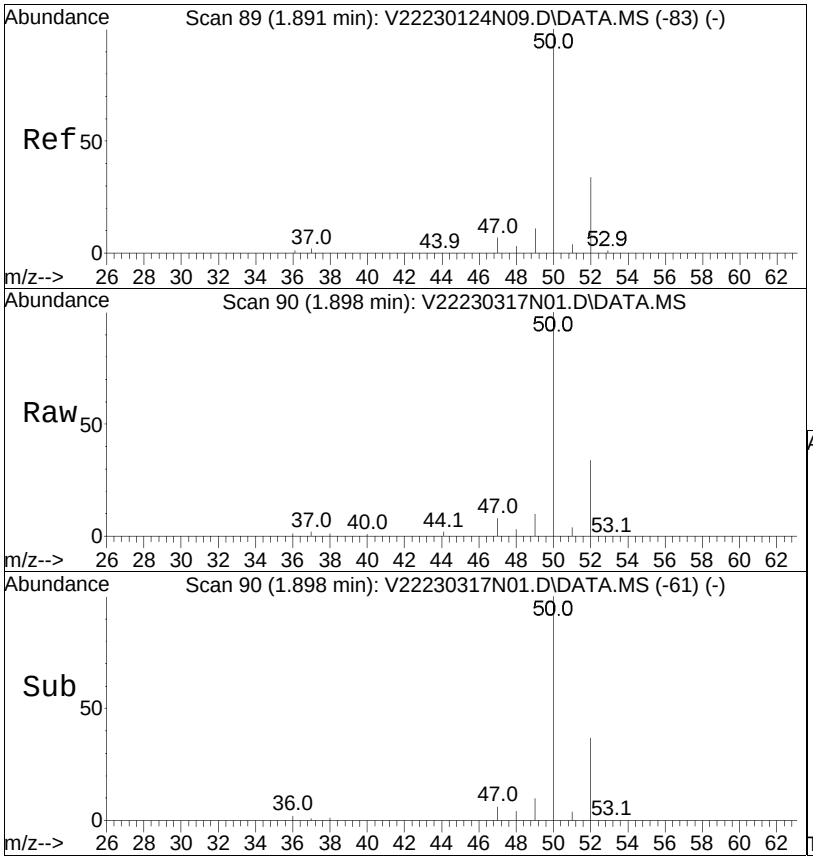


#2
Dichlorodifluoromethane
Concen: 9.95 ug/L
RT: 1.689 min Scan# 60
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 85 Resp: 50072

Ion	Ratio	Lower	Upper
85	100		
87	31.6	20.7	42.9
50	12.2	6.8	14.2

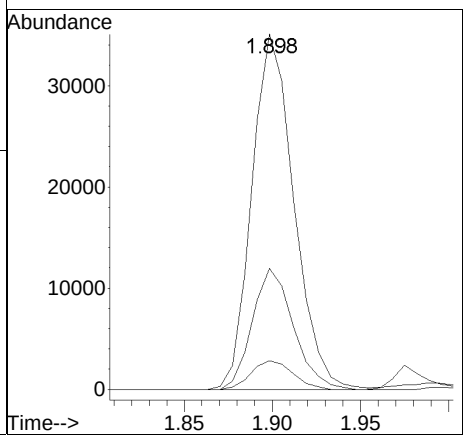


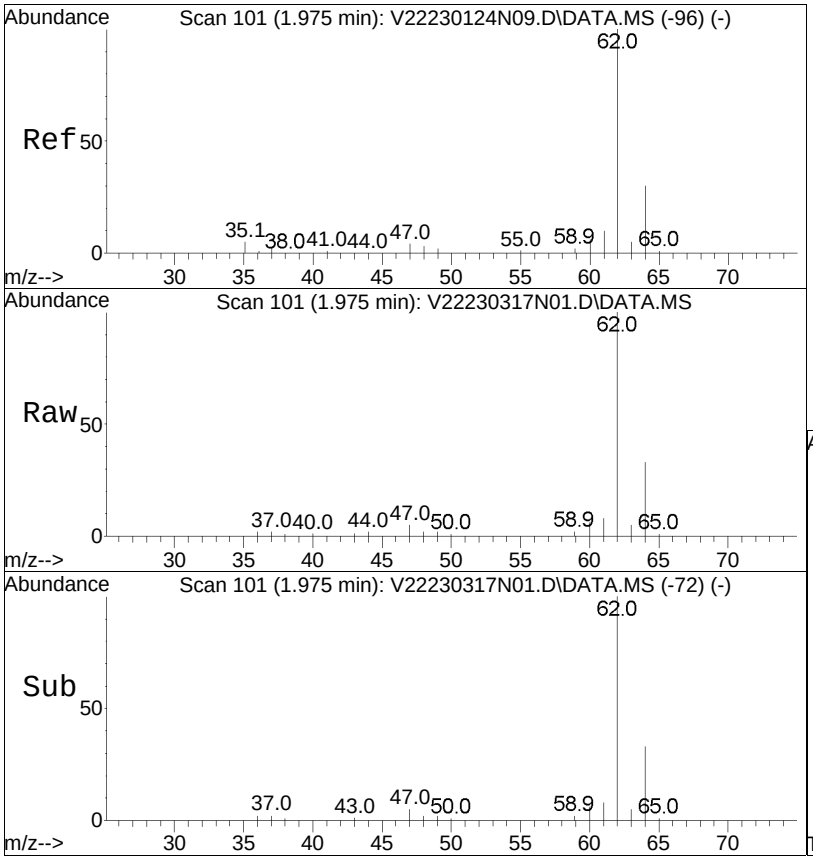


#3
Chloromethane
Concen: 9.45 ug/L
RT: 1.898 min Scan# 90
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 50 Resp: 58266

Ion	Ratio	Lower	Upper
50	100		
52	33.2	12.8	52.8
47	8.0	0.0	30.0

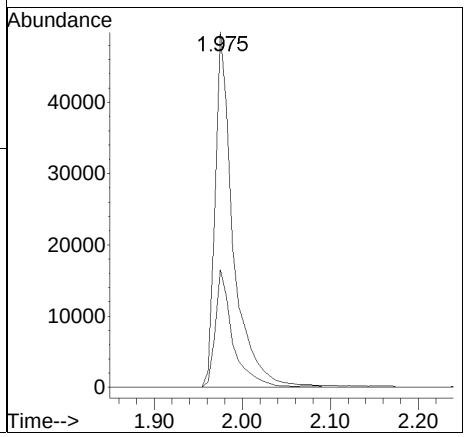


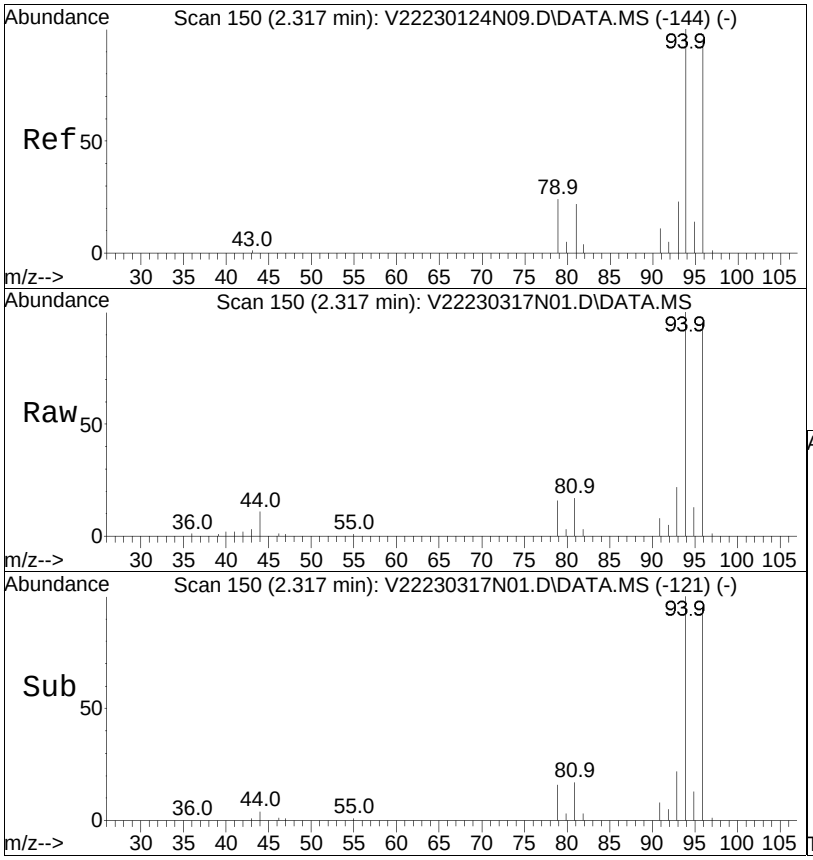


#4
Vinyl chloride
Concen: 10.53 ug/L
RT: 1.975 min Scan# 101
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 62 Resp: 72077

Ion	Ratio	Lower	Upper
62	100		
64	31.7	12.0	52.0

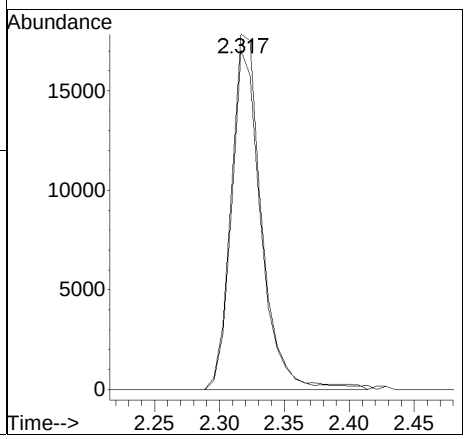


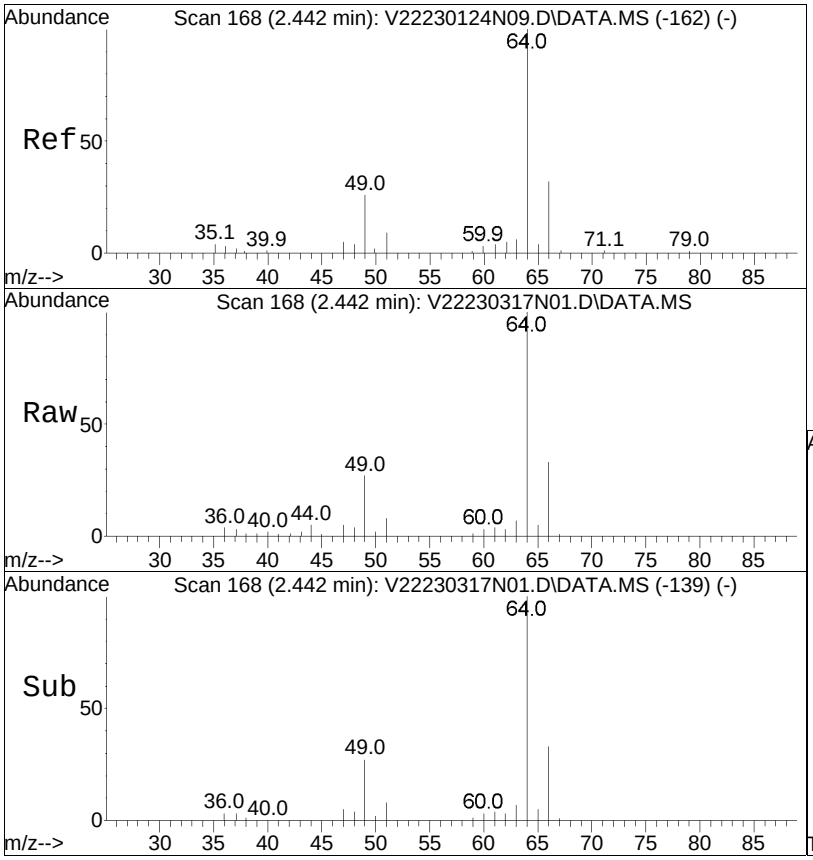


#5
Bromomethane
Concen: 7.40 ug/L
RT: 2.317 min Scan# 150
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 94 Resp: 29269

Ion	Ratio	Lower	Upper
94	100		
96	92.1	72.8	112.8

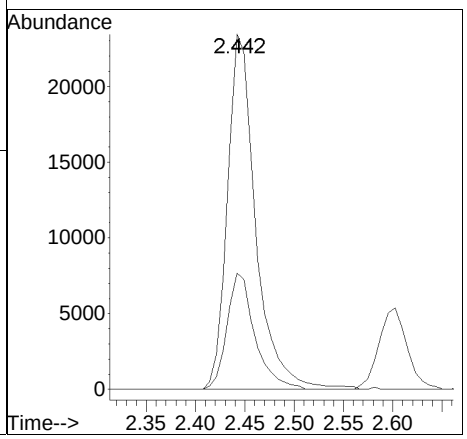


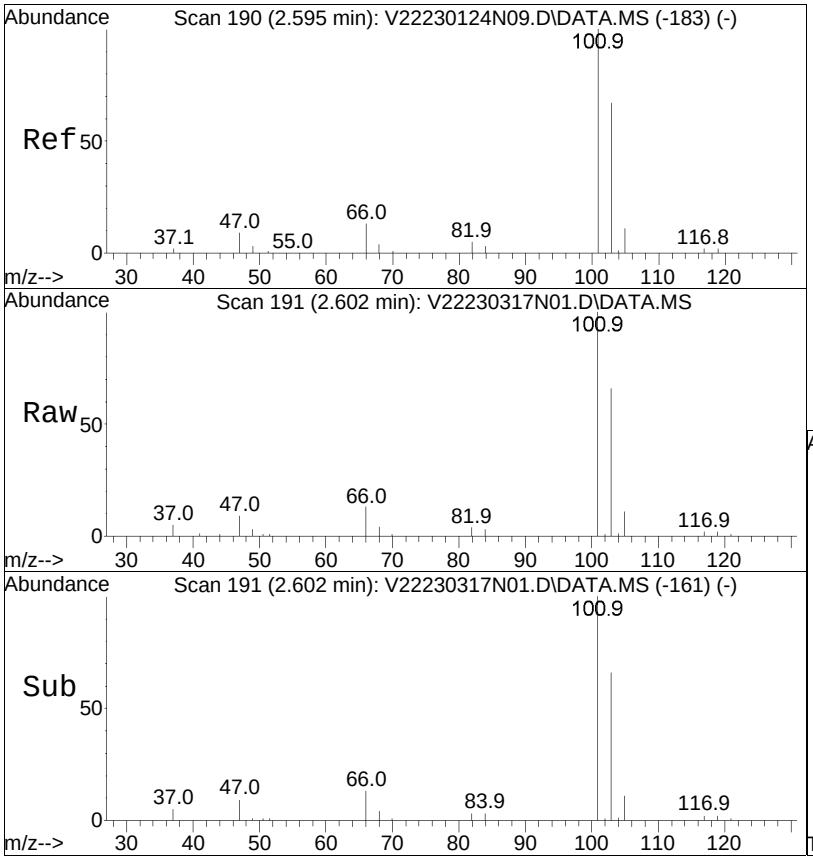


#6
Chloroethane
Concen: 10.00 ug/L
RT: 2.442 min Scan# 168
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 64 Resp: 46926

Ion	Ratio	Lower	Upper
64	100		
66	32.2	12.2	52.2

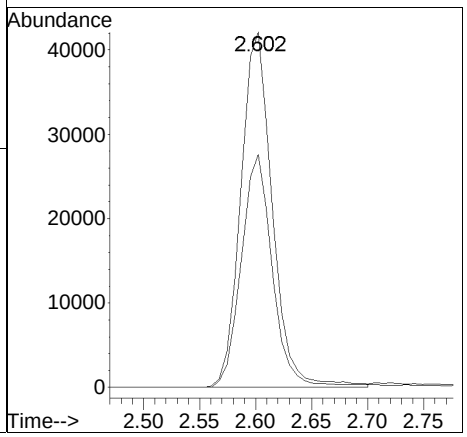


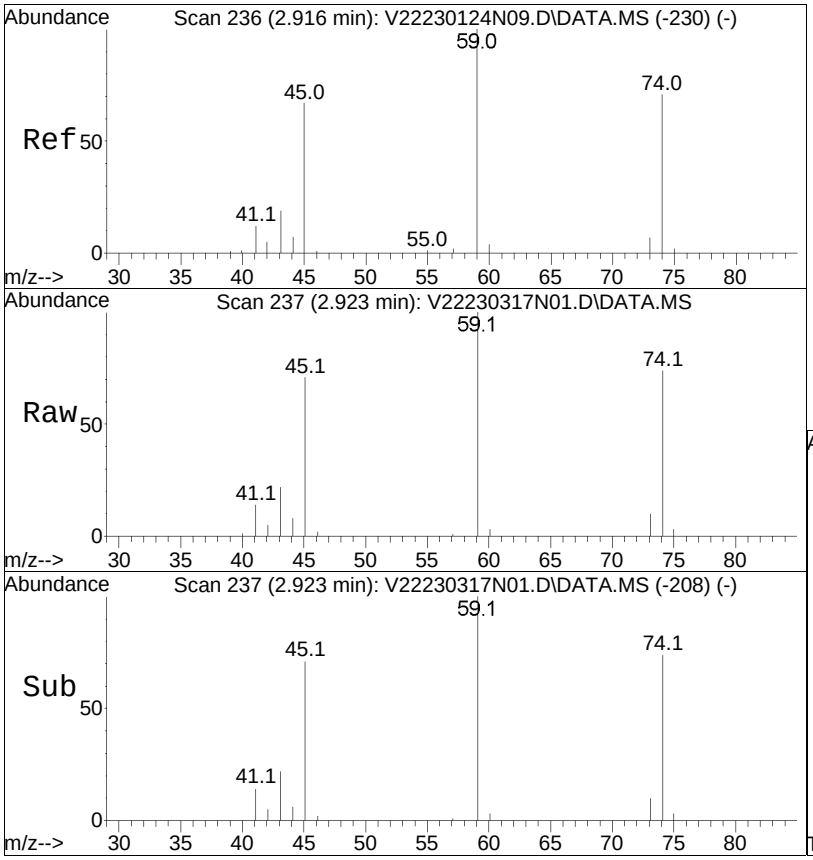


#7
Trichlorofluoromethane
Concen: 10.27 ug/L
RT: 2.602 min Scan# 191
Delta R.T. 0.007 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:101 Resp: 82634

Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.6	77.4

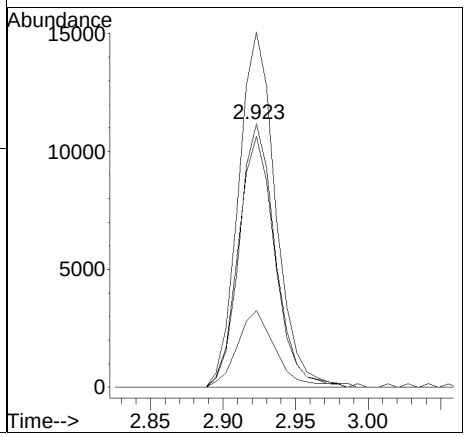


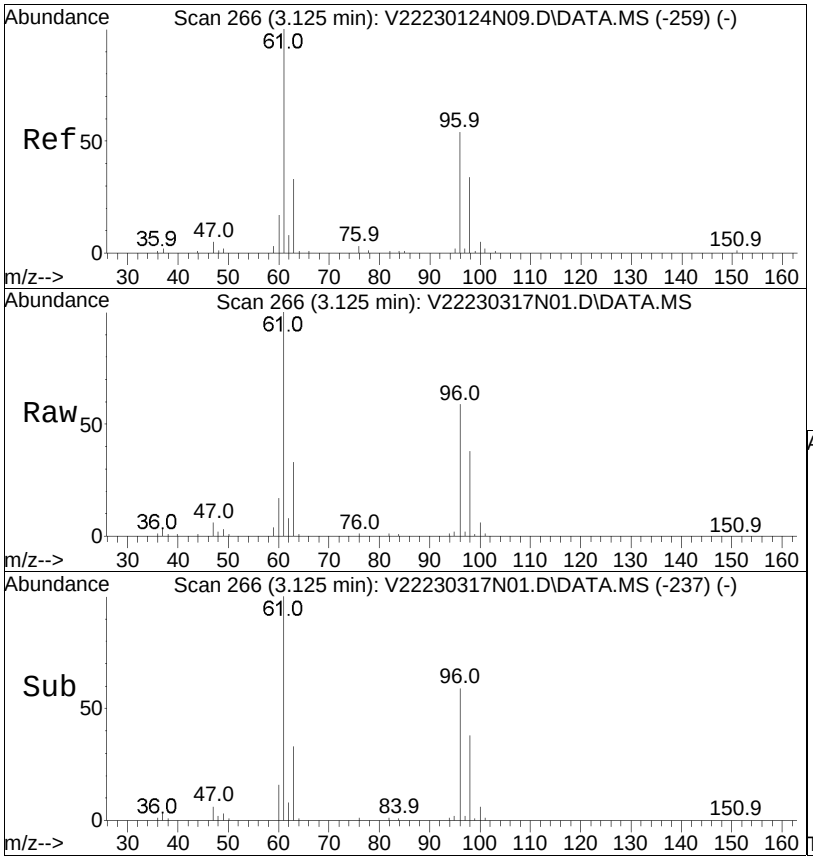


#8
Ethyl ether
Concen: 9.82 ug/L
RT: 2.923 min Scan# 237
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 74 Resp: 19352

Ion	Ratio	Lower	Upper
74	100		
59	139.4	2122.4	4408.0#
45	97.4	1435.1	2980.5#
43	30.8	407.9	847.3#

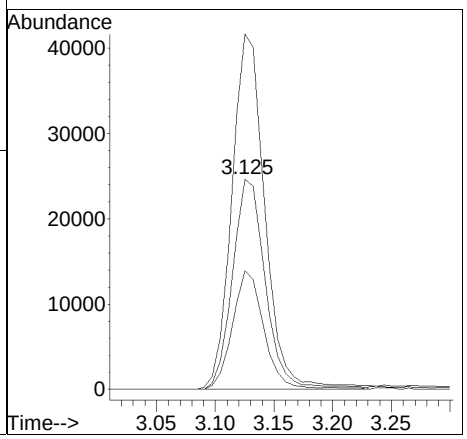


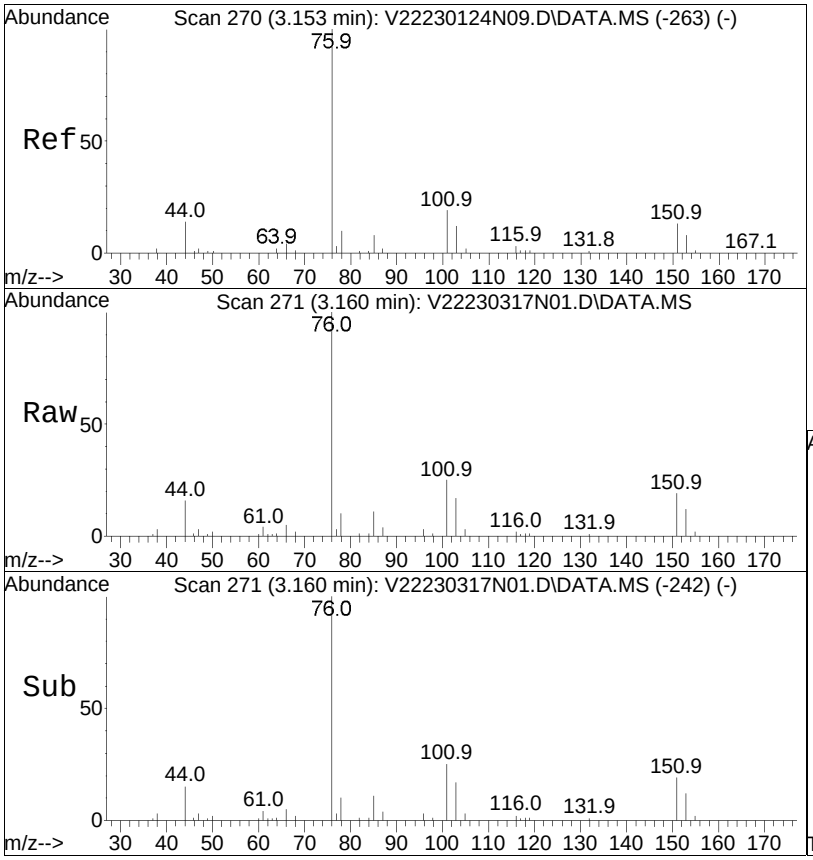


#10
1,1-Dichloroethene
Concen: 10.00 ug/L
RT: 3.125 min Scan# 266
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 96 Resp: 48312

Ion	Ratio	Lower	Upper
96	100		
61	169.3	117.0	175.4
63	53.2	37.8	56.6

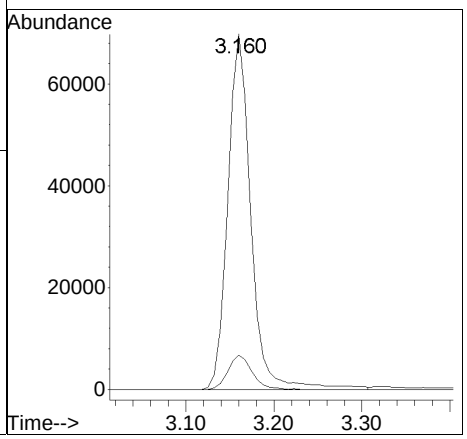


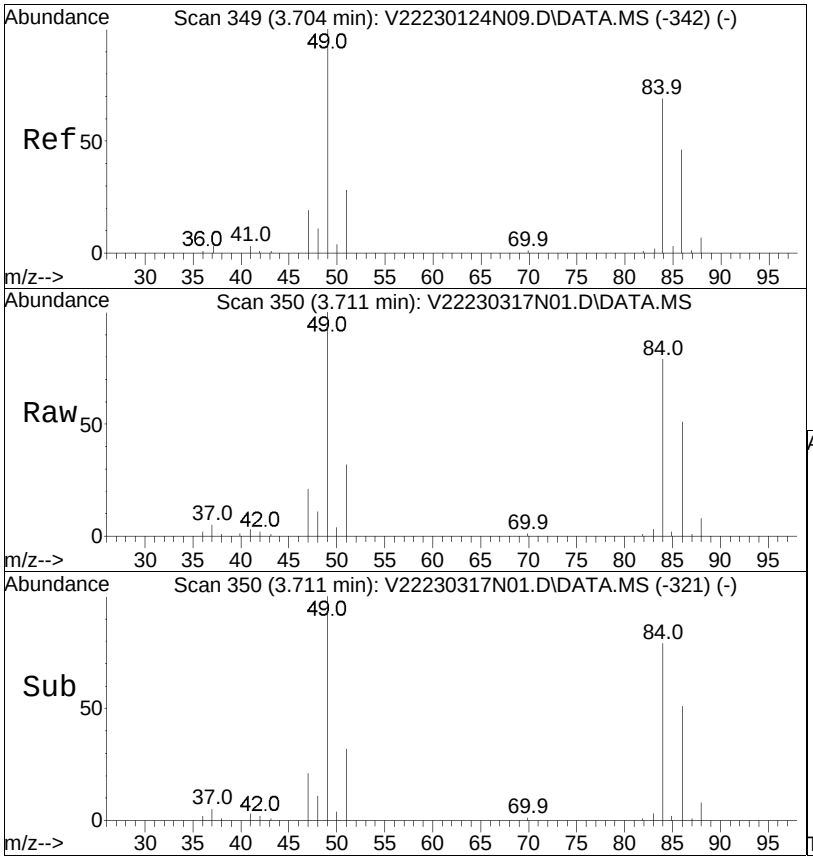


#11
Carbon disulfide
Concen: 8.71 ug/L
RT: 3.160 min Scan# 271
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 76 Resp: 127381

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.4	13.4

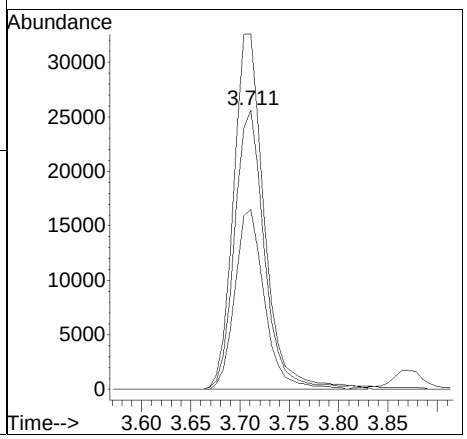


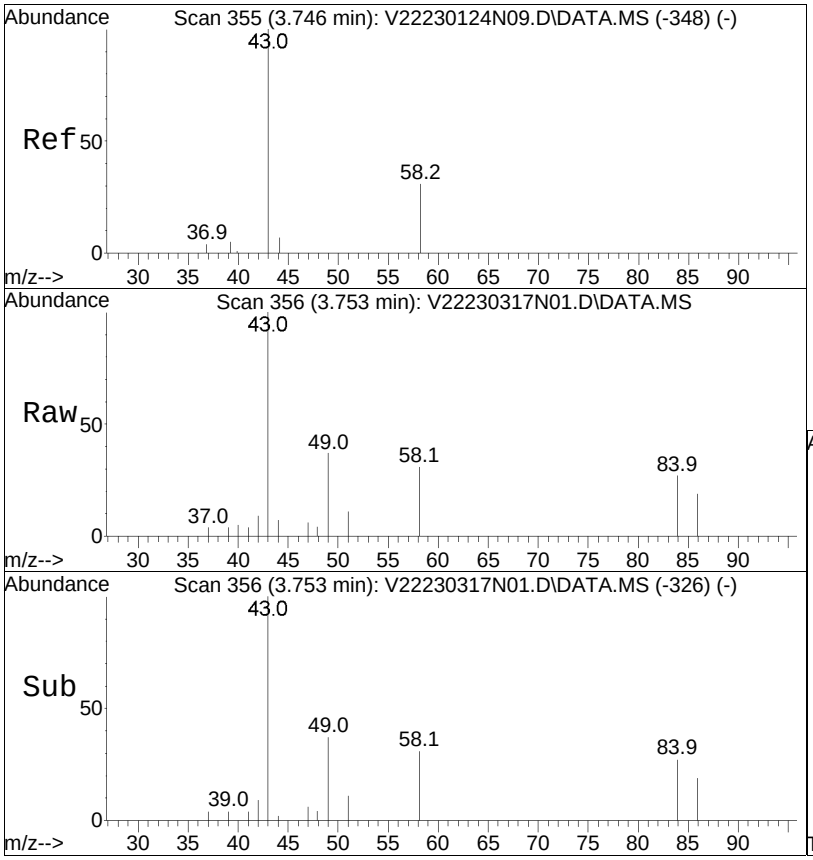


#15
Methylene chloride
Concen: 9.92 ug/L
RT: 3.711 min Scan# 350
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 84 Resp: 54492

Ion	Ratio	Lower	Upper
84	100		
86	63.6	41.5	86.3
49	130.4	68.8	143.0

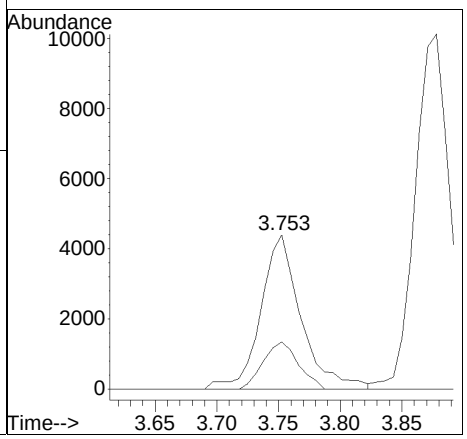


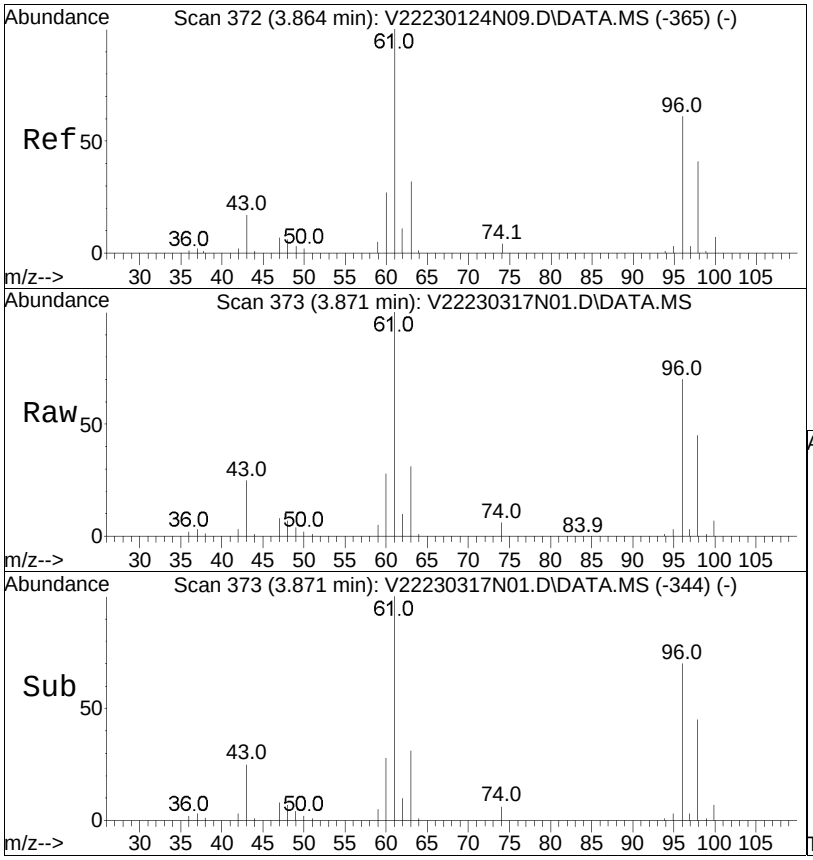


#17
Acetone
Concen: 9.61 ug/L
RT: 3.753 min Scan# 356
Delta R.T. 0.007 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 43 Resp: 10051

Ion	Ratio	Lower	Upper
43	100		
58	26.9	23.1	34.7

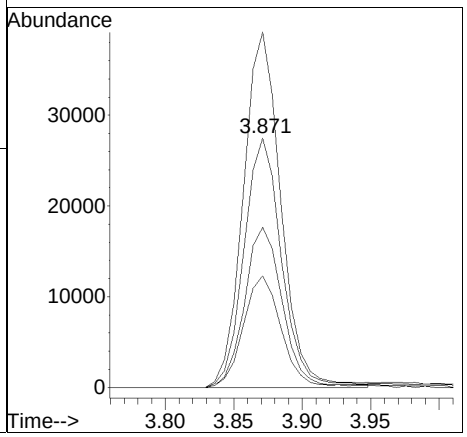


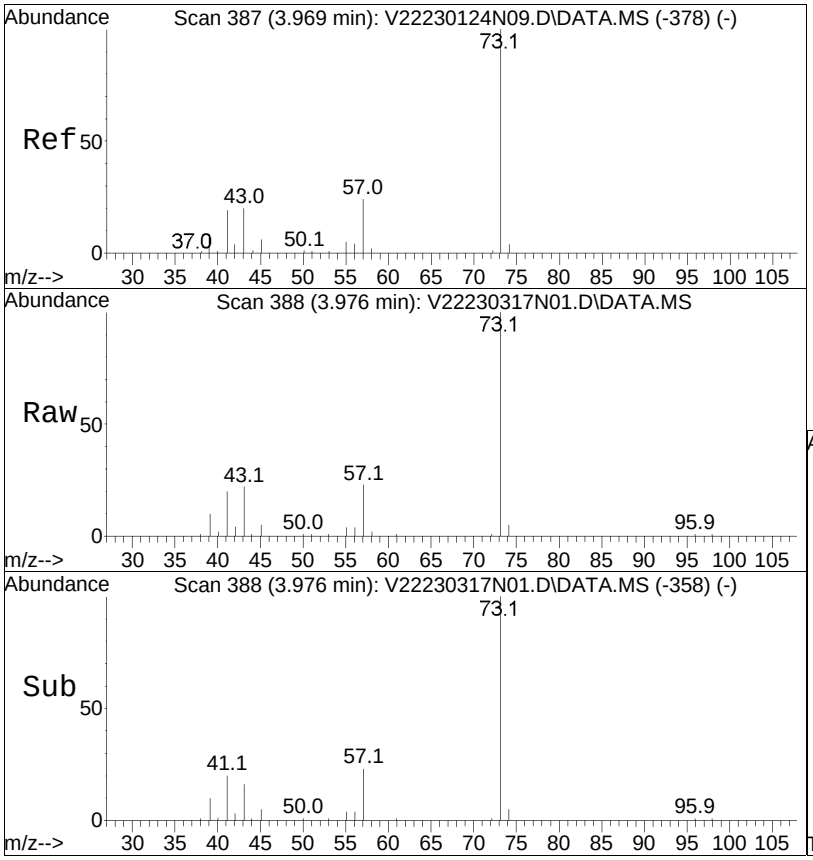


#18
trans-1,2-Dichloroethene
Concen: 9.71 ug/L
RT: 3.871 min Scan# 373
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 96 Resp: 52726

Ion	Ratio	Lower	Upper
96	100		
61	142.4	81.6	169.6
98	64.1	41.8	86.8
63	44.8	26.3	54.7

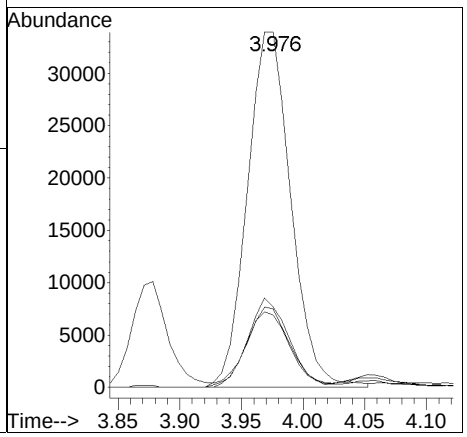


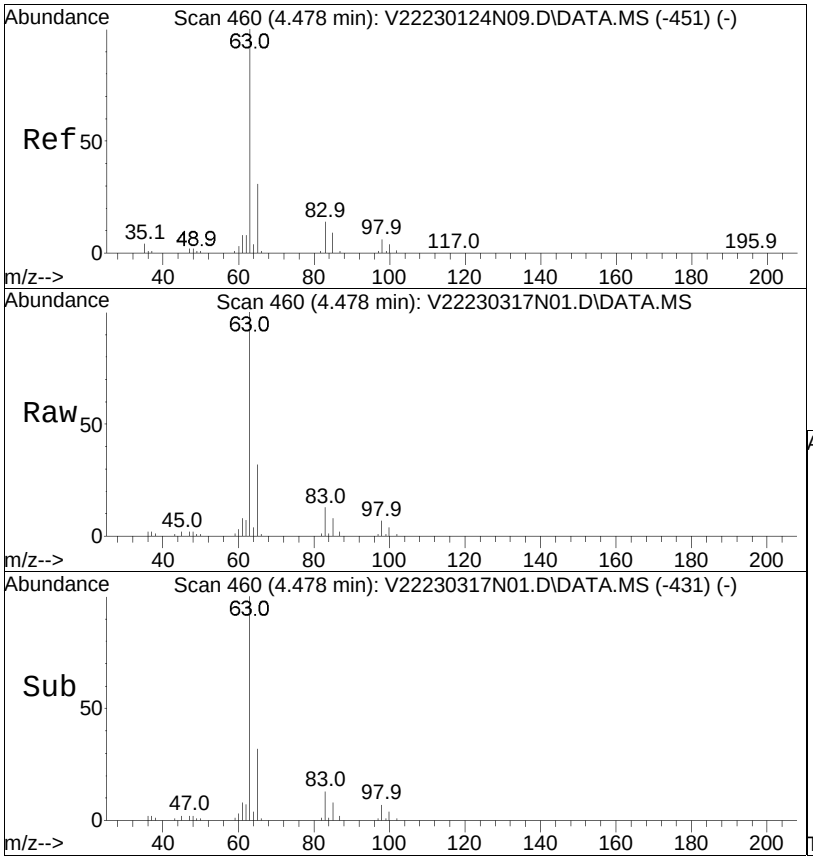


#21
Methyl tert-butyl ether
Concen: 9.41 ug/L
RT: 3.976 min Scan# 388
Delta R.T. 0.007 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 73 Resp: 83599

Ion	Ratio	Lower	Upper
73	100		
57	23.7	13.6	28.2
43	21.4	12.7	26.5
41	21.5	11.4	23.8

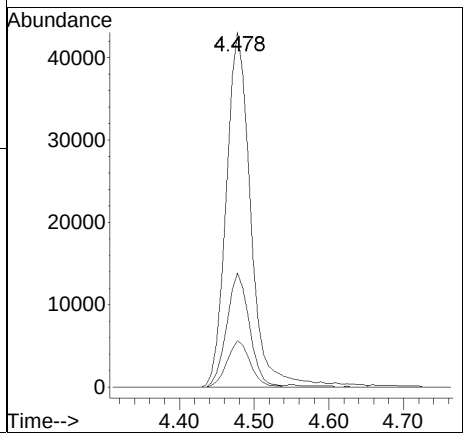


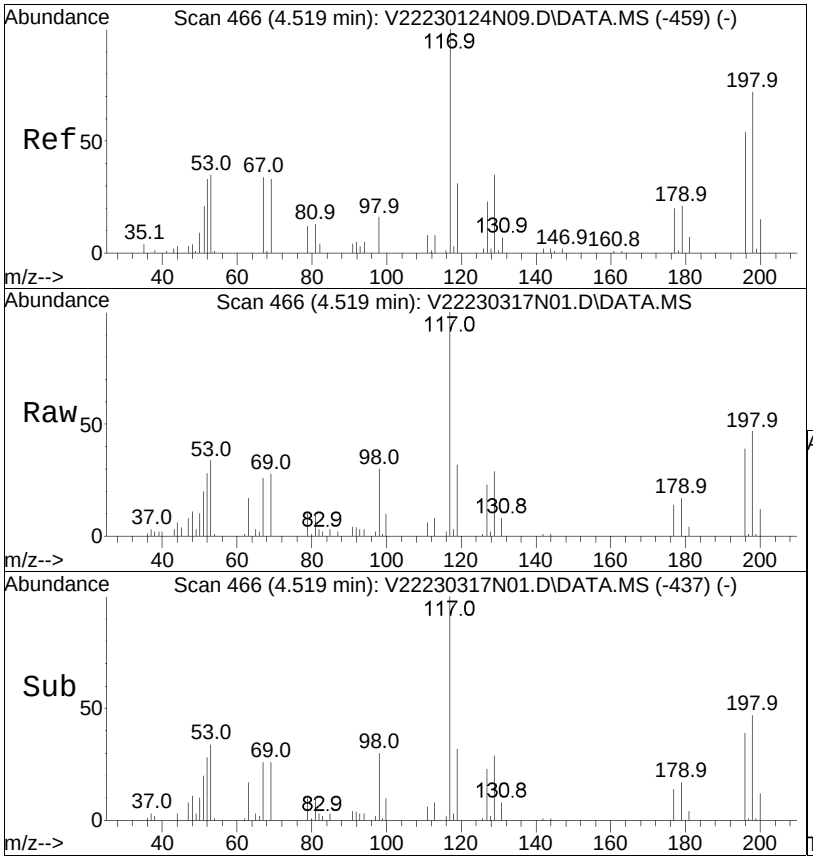


#25
1,1-Dichloroethane
Concen: 9.79 ug/L
RT: 4.478 min Scan# 460
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 63 Resp: 99463

Ion	Ratio	Lower	Upper
63	100		
65	29.8	11.9	51.9
83	12.4	0.0	34.2

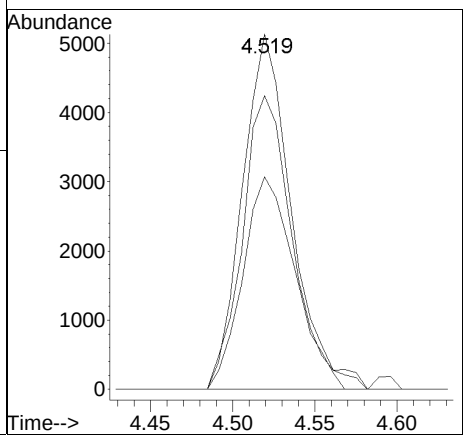


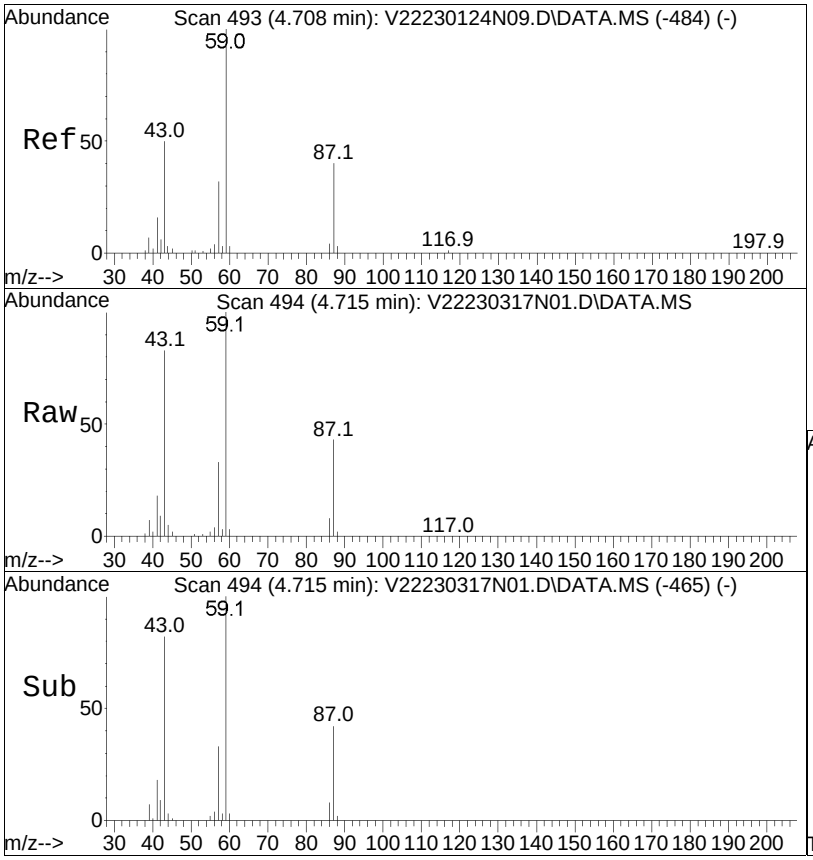


#27
Acrylonitrile
Concen: 9.39 ug/L
RT: 4.519 min Scan# 466
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 53 Resp: 10667

Ion	Ratio	Lower	Upper
53	100		
52	84.7	63.8	95.8
51	63.8	50.2	75.4

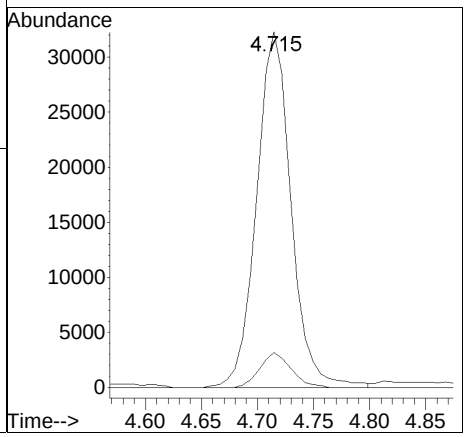


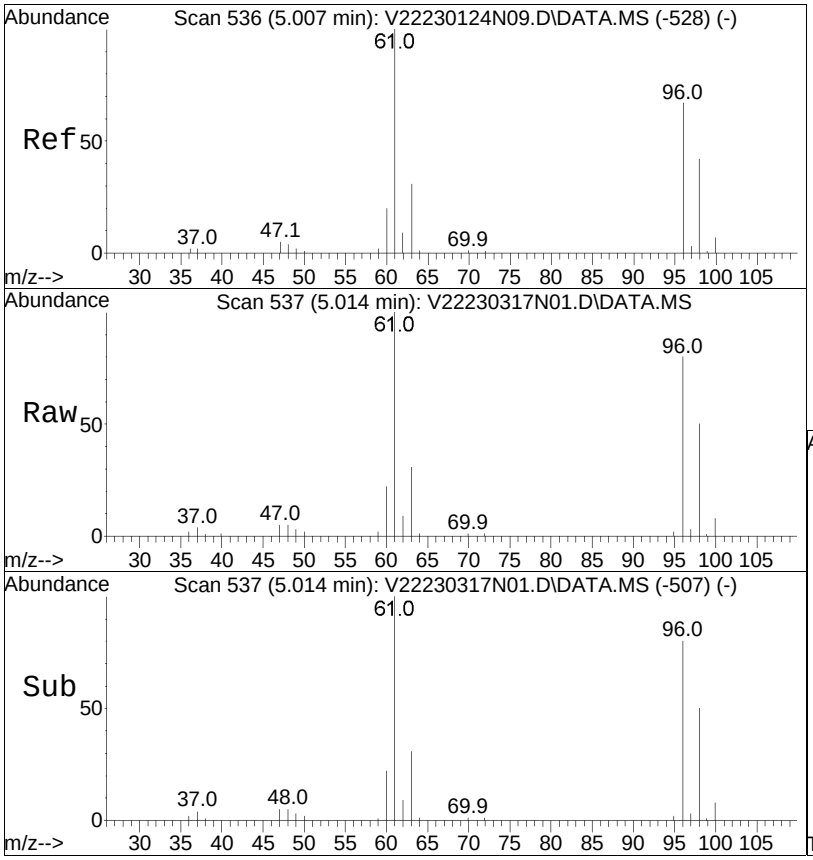


#29
Vinyl acetate
Concen: 8.29 ug/L
RT: 4.715 min Scan# 494
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 43 Resp: 69189

Ion	Ratio	Lower	Upper
43	100		
86	8.8	8.9	13.3#

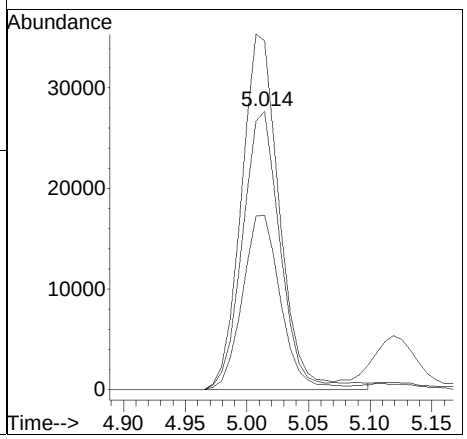


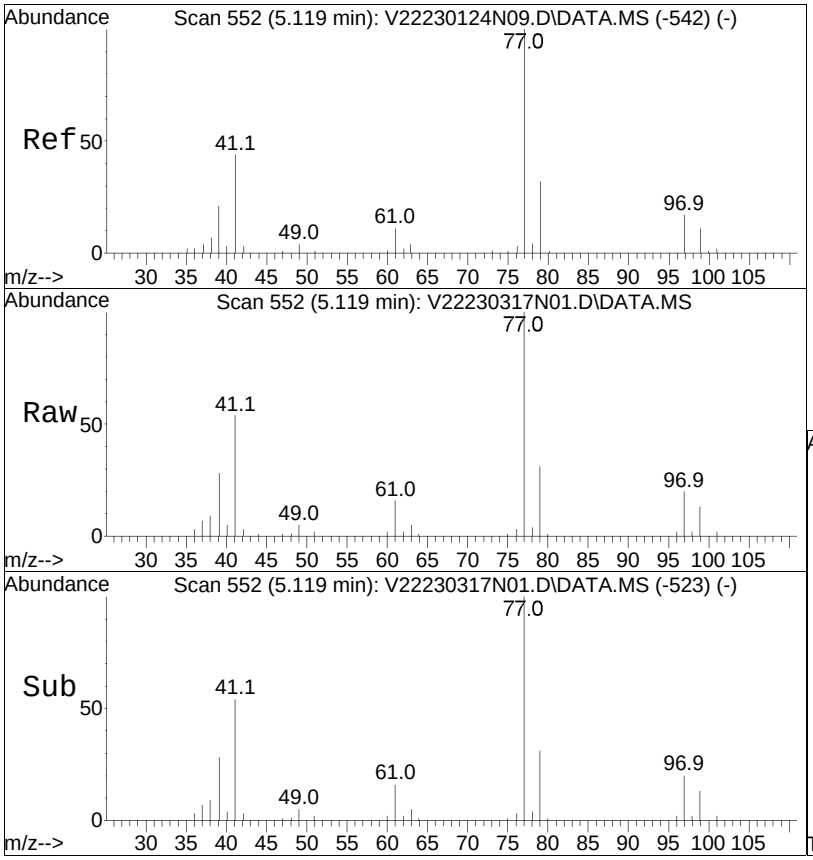


#30
cis-1,2-Dichloroethene
Concen: 10.12 ug/L
RT: 5.014 min Scan# 537
Delta R.T. 0.007 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 96 Resp: 59330

Ion	Ratio	Lower	Upper
96	100		
61	126.2	90.3	135.5
98	62.8	50.8	76.2

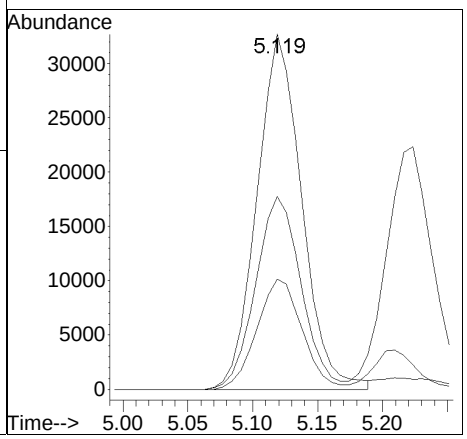


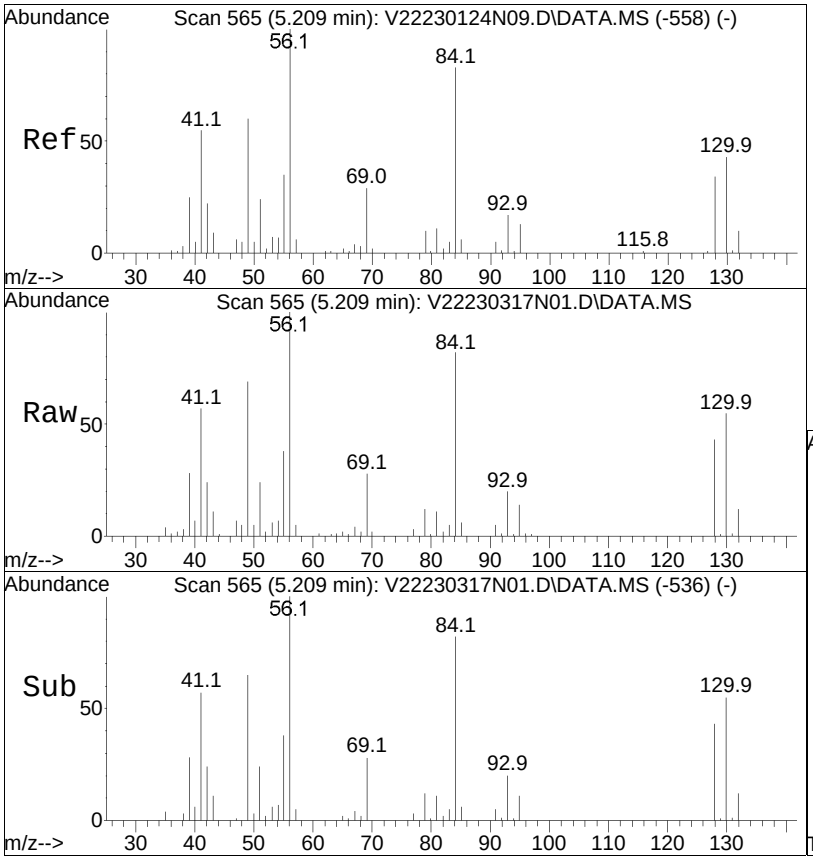


#31
2,2-Dichloropropane
Concen: 10.10 ug/L
RT: 5.119 min Scan# 552
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 77 Resp: 78341

Ion	Ratio	Lower	Upper
77	100		
41	55.1	32.3	67.1
79	31.3	21.1	43.7

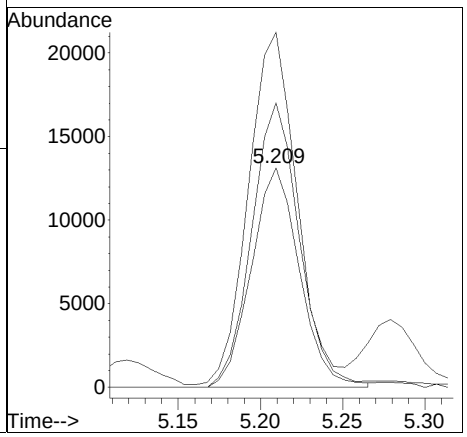


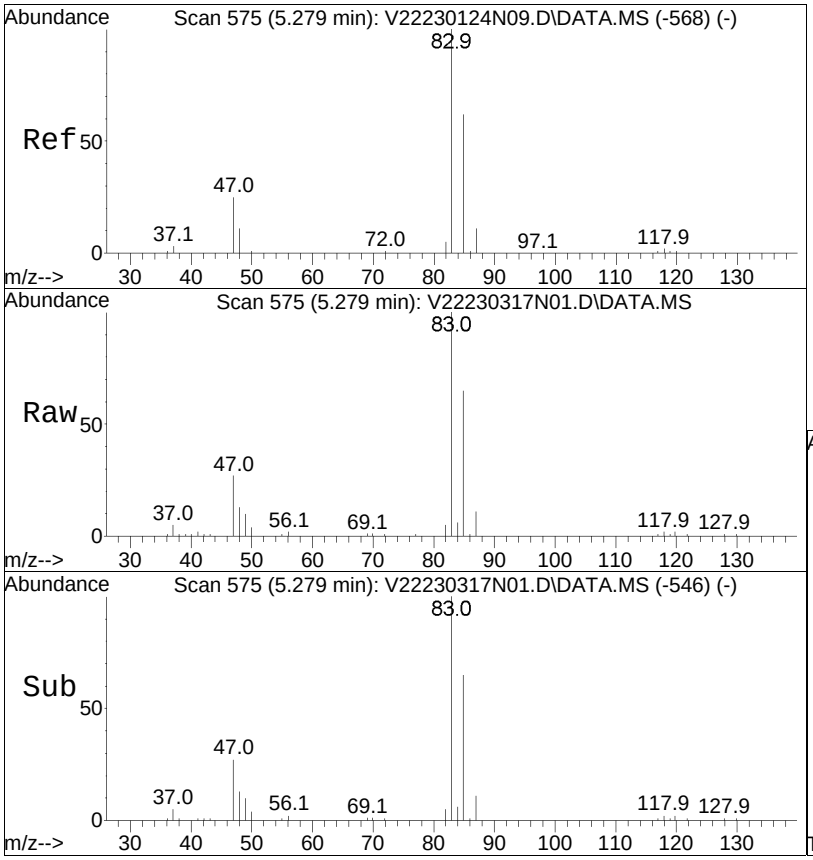


#32
Bromochloromethane
Concen: 9.94 ug/L
RT: 5.209 min Scan# 565
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:128 Resp: 26801

Ion	Ratio	Lower	Upper
128	100		
49	162.2	104.4	156.6#
130	129.0	103.9	155.9

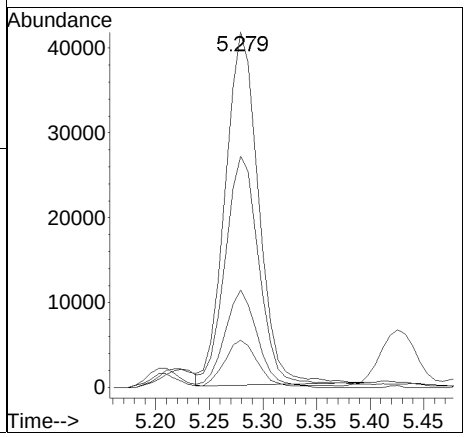


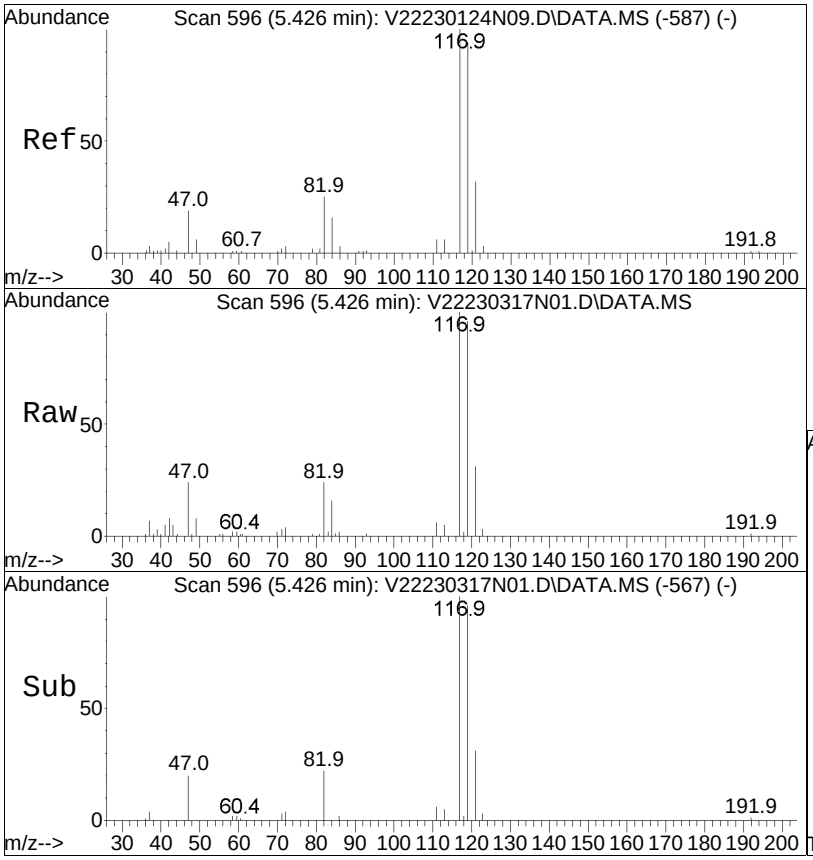


#34
Chloroform
Concen: 9.54 ug/L
RT: 5.279 min Scan# 575
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 83 Resp: 90537

Ion	Ratio	Lower	Upper
83	100		
85	66.6	42.4	88.2
47	26.0	14.0	29.0
48	13.4	6.9	14.3

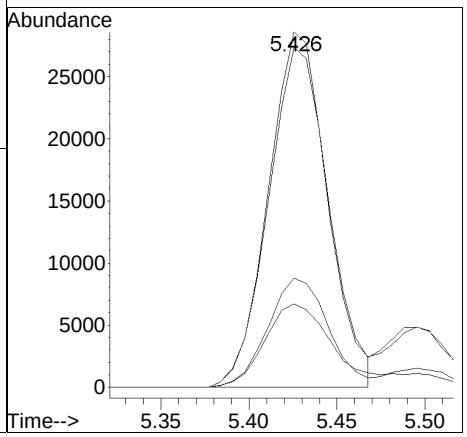


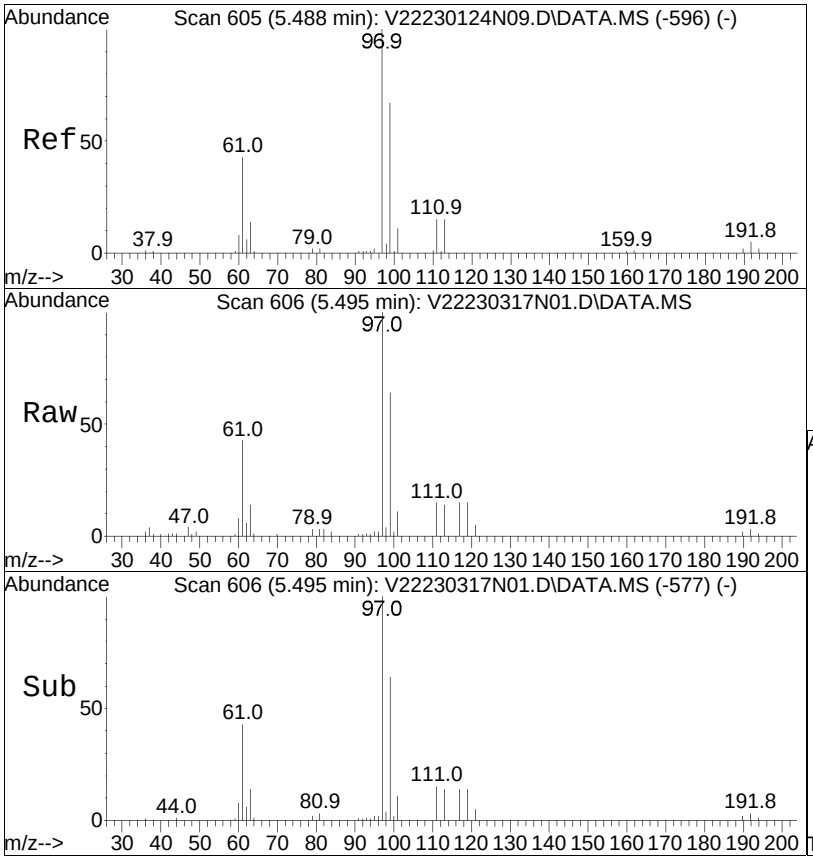


#36
Carbon tetrachloride
Concen: 10.03 ug/L
RT: 5.426 min Scan# 596
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:117 Resp: 67101

Ion	Ratio	Lower	Upper
117	100		
119	96.1	62.1	129.1
121	31.4	20.3	42.3
82	28.0	15.4	32.0

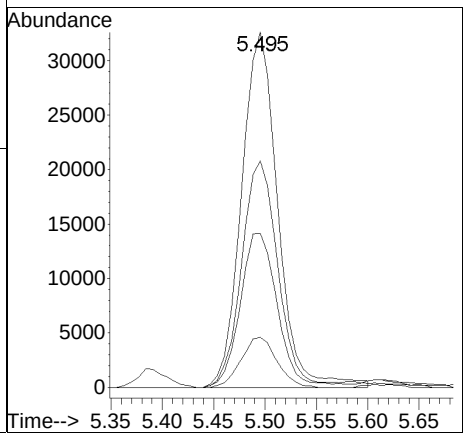


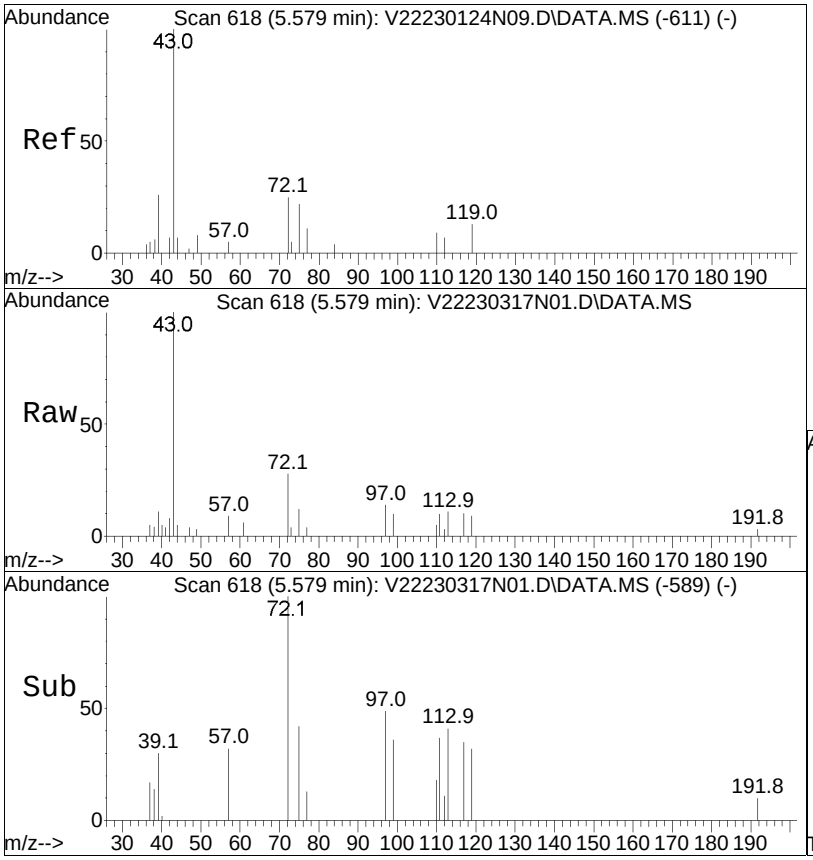


#39
1,1,1-Trichloroethane
Concen: 9.99 ug/L
RT: 5.495 min Scan# 606
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 97 Resp: 80134

Ion	Ratio	Lower	Upper
97	100		
99	63.8	42.4	88.0
61	44.7	26.0	54.0
63	13.9	8.3	17.3

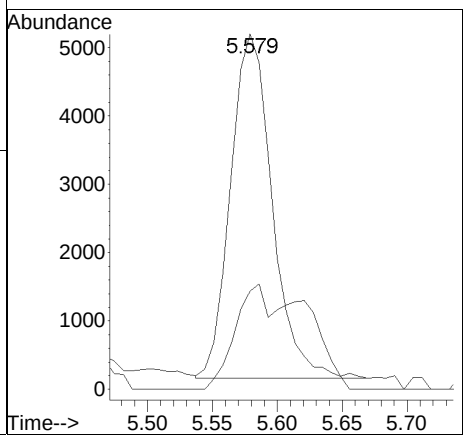


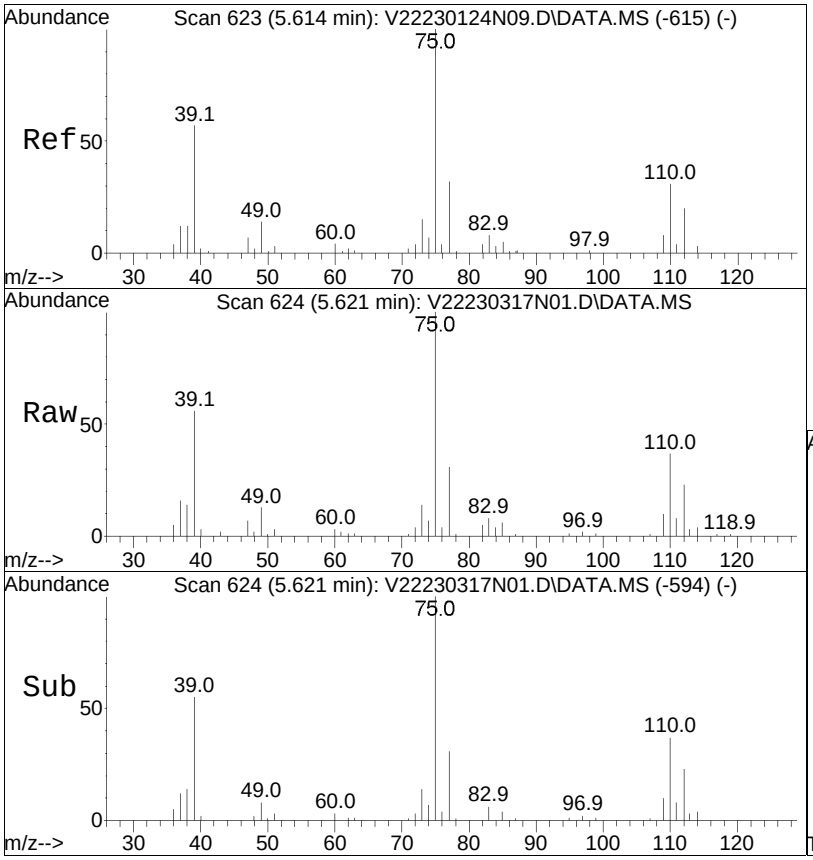


#41
2-Butanone
Concen: 8.61 ug/L
RT: 5.579 min Scan# 618
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 43 Resp: 11237

Ion	Ratio	Lower	Upper
43	100		
72	28.3	45.8	68.8#

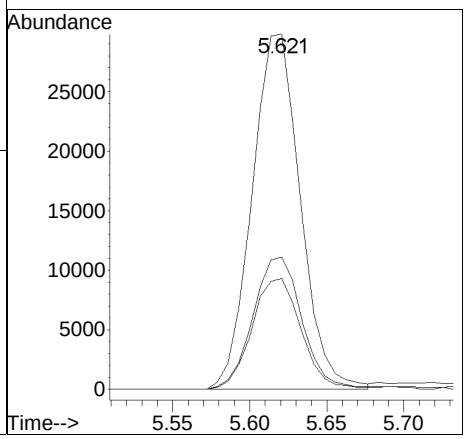


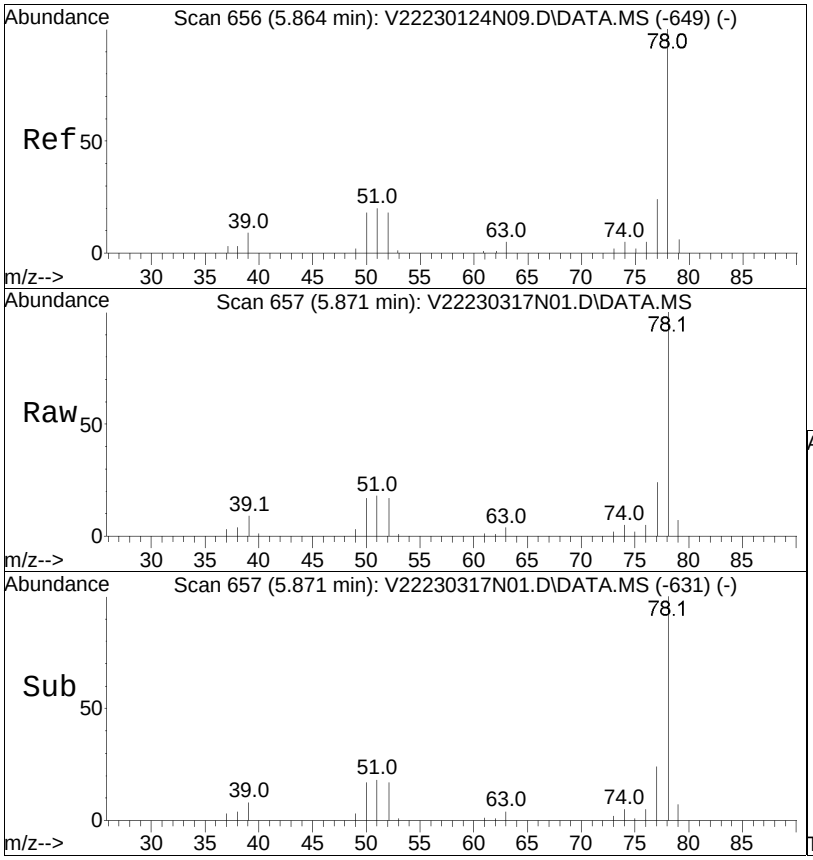


#42
1,1-Dichloropropene
Concen: 9.42 ug/L
RT: 5.621 min Scan# 624
Delta R.T. 0.007 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 75 Resp: 65118

Ion	Ratio	Lower	Upper
75	100		
110	38.0	25.4	52.8
77	31.8	20.3	42.1

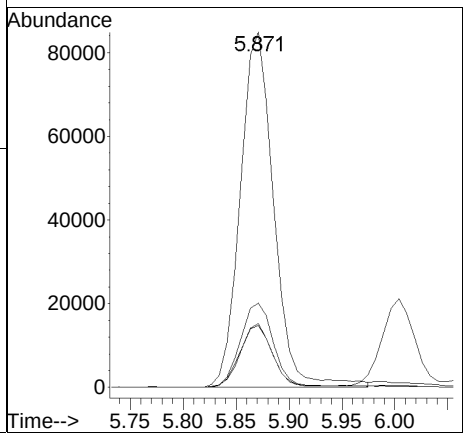


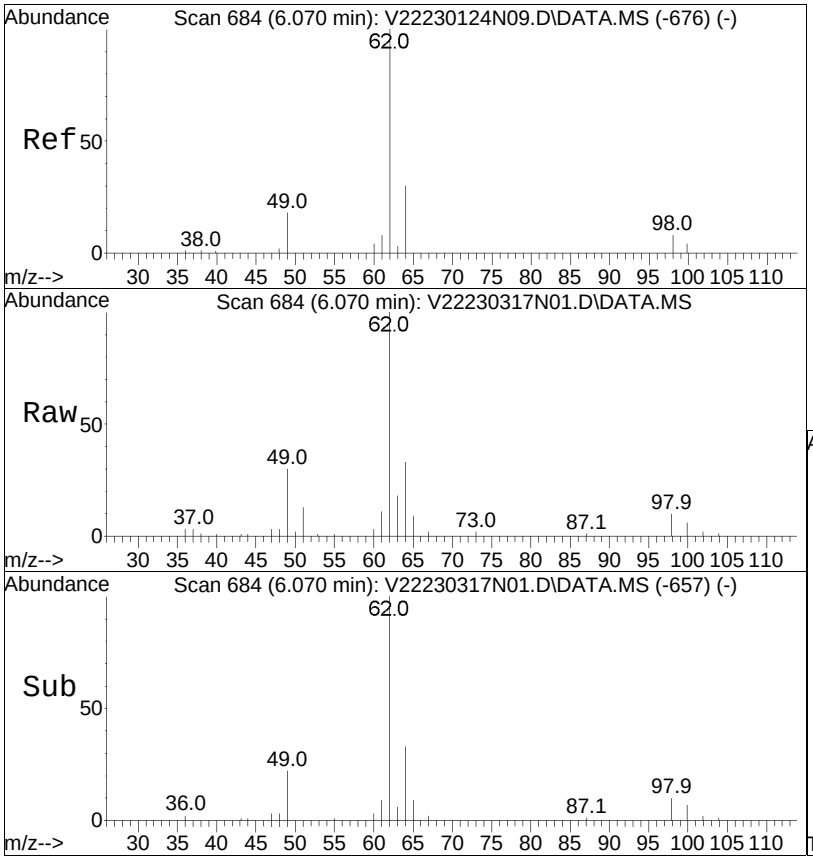


#44
Benzene
Concen: 9.81 ug/L
RT: 5.871 min Scan# 657
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 78 Resp: 187385

Ion	Ratio	Lower	Upper
78	100		
77	24.5	15.4	32.0
51	17.5	9.8	20.4
52	17.0	9.2	19.2

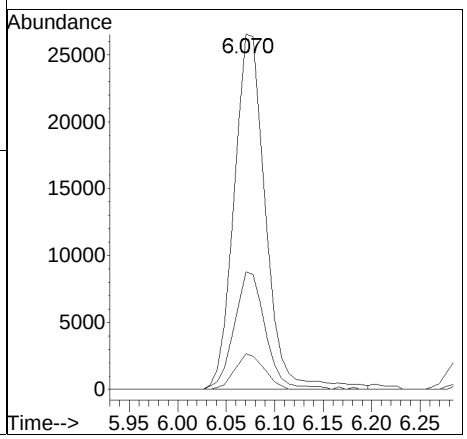


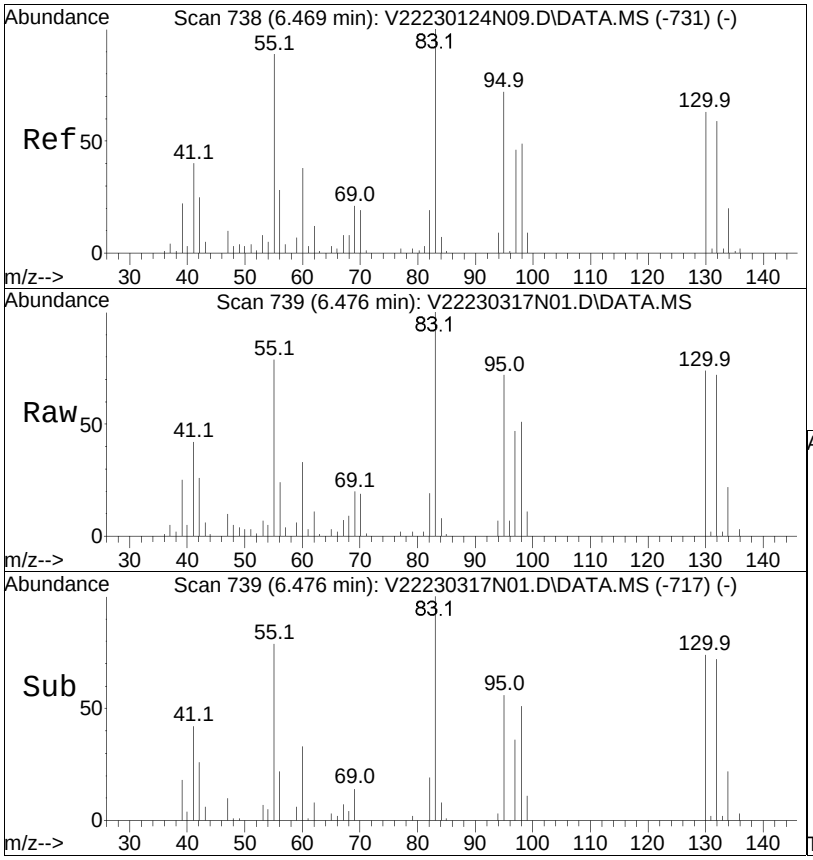


#47
1,2-Dichloroethane
Concen: 9.54 ug/L
RT: 6.070 min Scan# 684
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 62 Resp: 60160

Ion	Ratio	Lower	Upper
62	100		
64	32.7	12.3	52.3
98	9.3	0.0	30.3

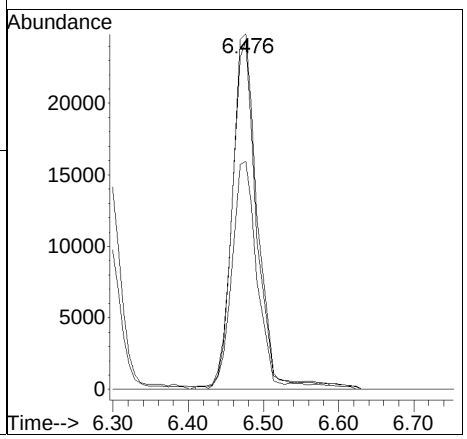


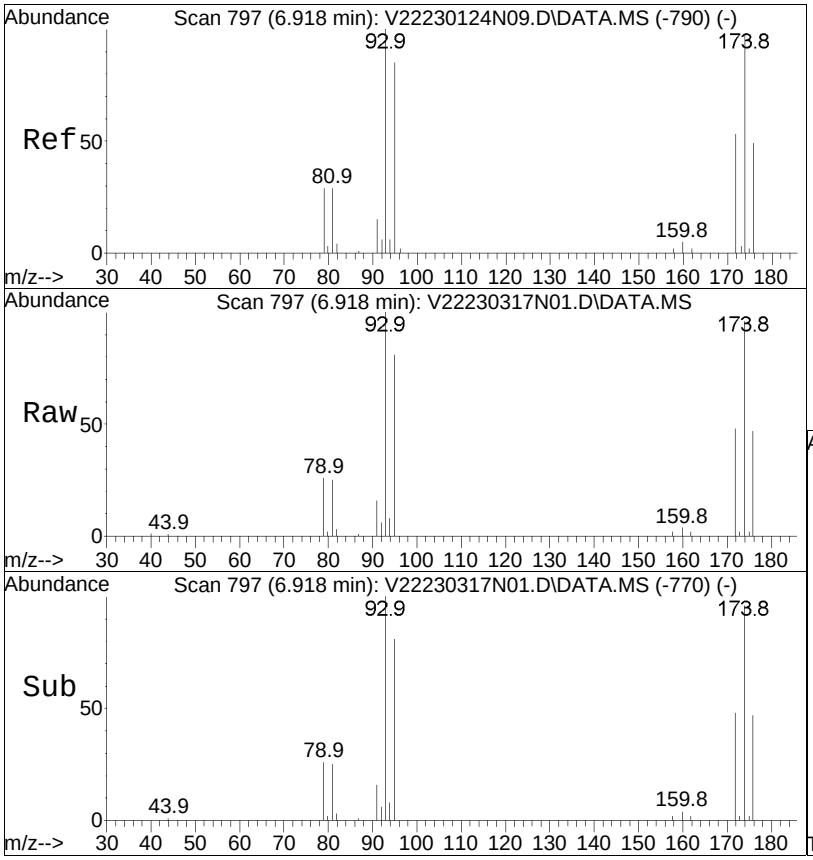


#51
Trichloroethene
Concen: 9.36 ug/L
RT: 6.476 min Scan# 739
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 95 Resp: 54260

Ion	Ratio	Lower	Upper
95	100		
97	69.2	55.0	82.4
130	105.7	89.2	133.8

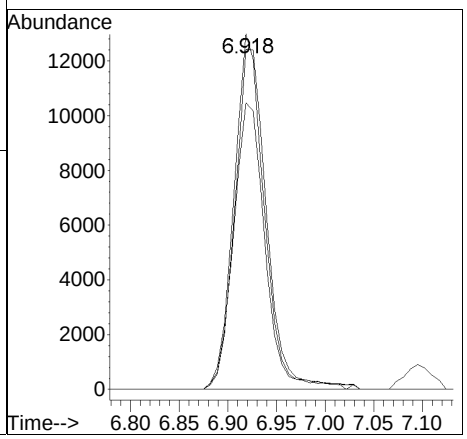


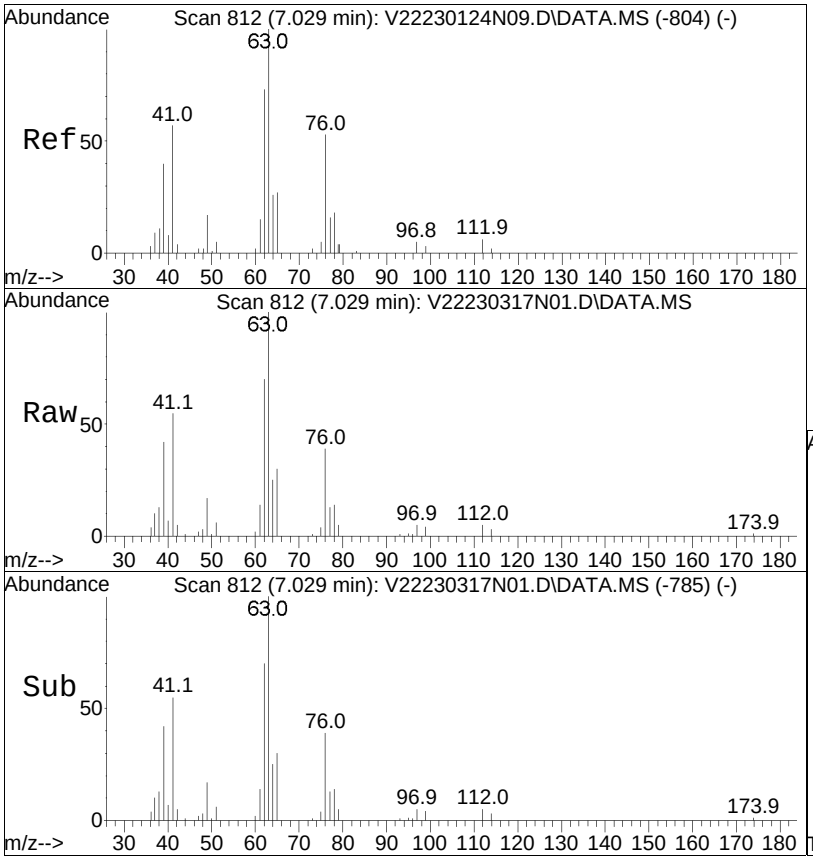


#53
Dibromomethane
Concen: 9.87 ug/L
RT: 6.918 min Scan# 797
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 93 Resp: 28306

Ion	Ratio	Lower	Upper
93	100		
95	84.2	68.0	102.0
174	100.3	106.1	159.1#

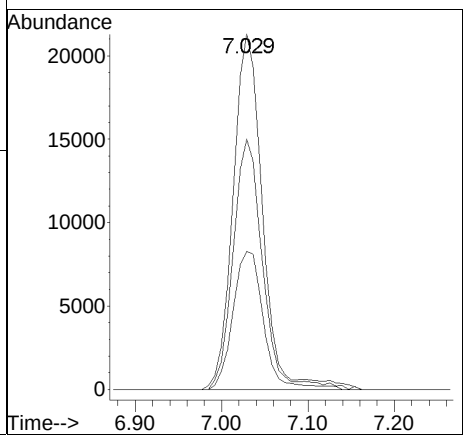


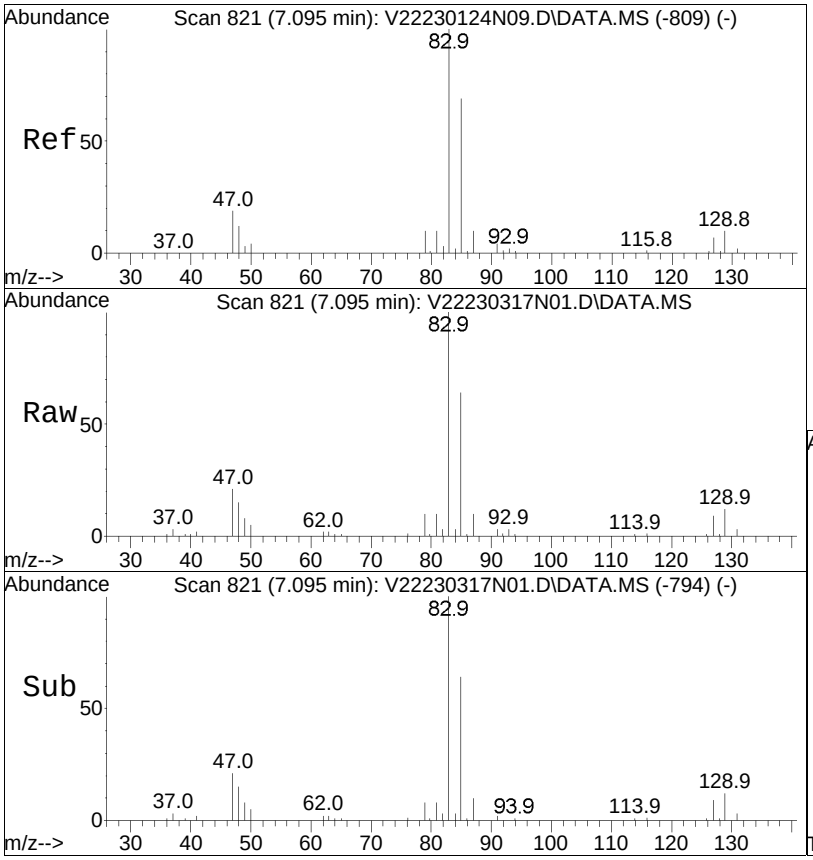


#54
1,2-Dichloropropane
Concen: 9.83 ug/L
RT: 7.029 min Scan# 812
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 63 Resp: 50617

Ion	Ratio	Lower	Upper
63	100		
62	68.3	56.9	85.3
76	40.3	35.8	53.8

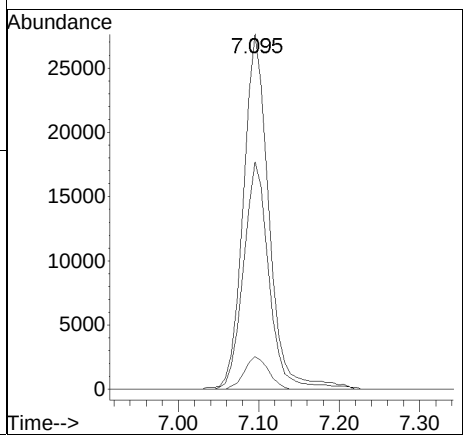


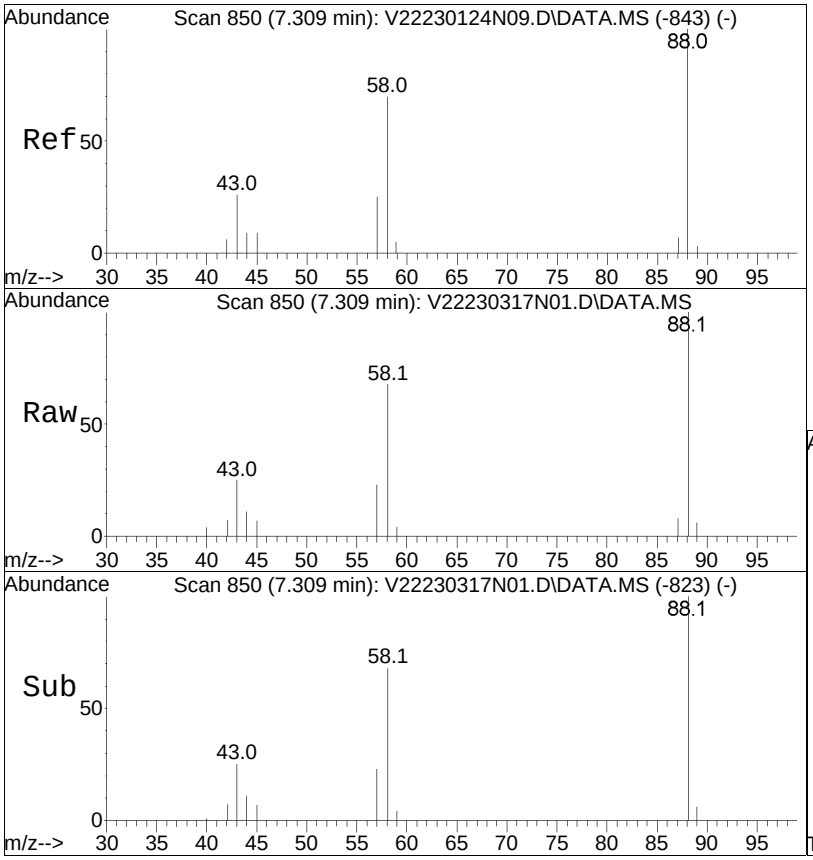


#57
Bromodichloromethane
Concen: 9.10 ug/L
RT: 7.095 min Scan# 821
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 83 Resp: 61512

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.6	77.4
127	8.7	7.4	11.0

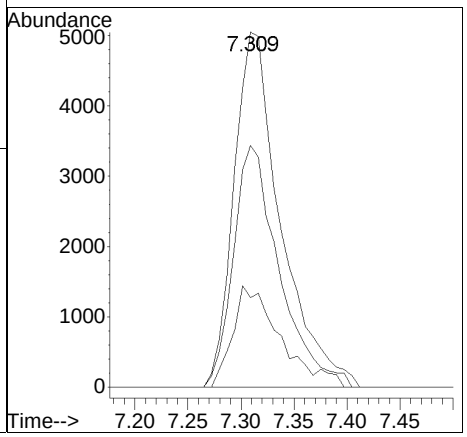


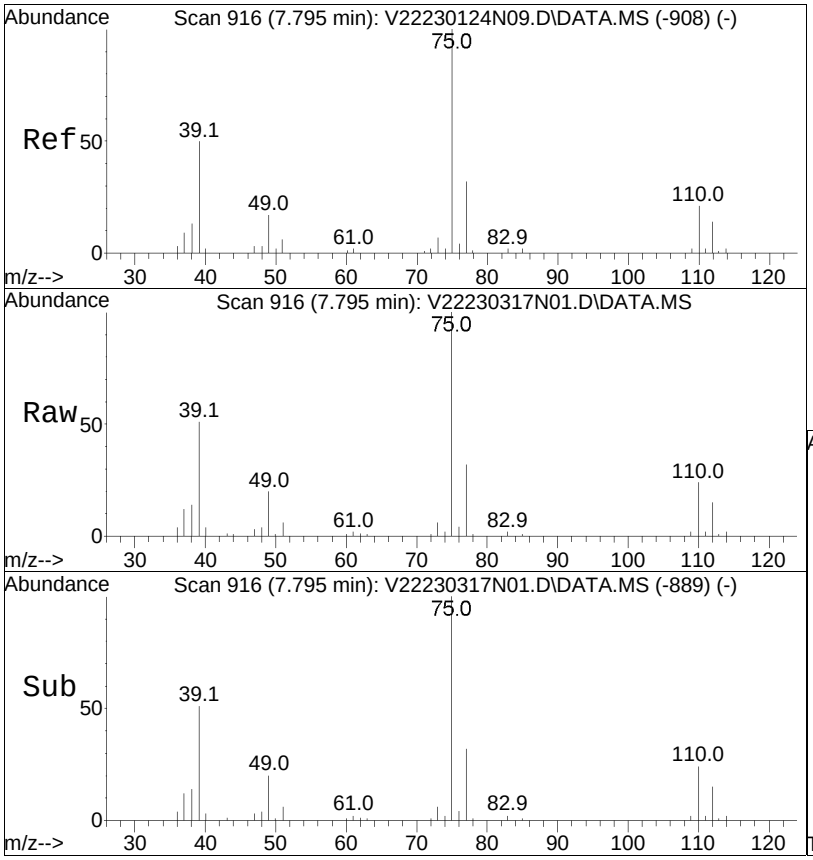


#60
1,4-Dioxane
Concen: 455.79 ug/L
RT: 7.309 min Scan# 850
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 88 Resp: 15512

Ion	Ratio	Lower	Upper
88	100		
58	66.8	43.3	64.9#
43	29.1	15.1	22.7#

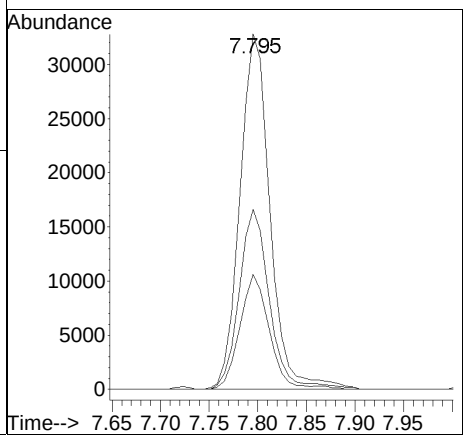


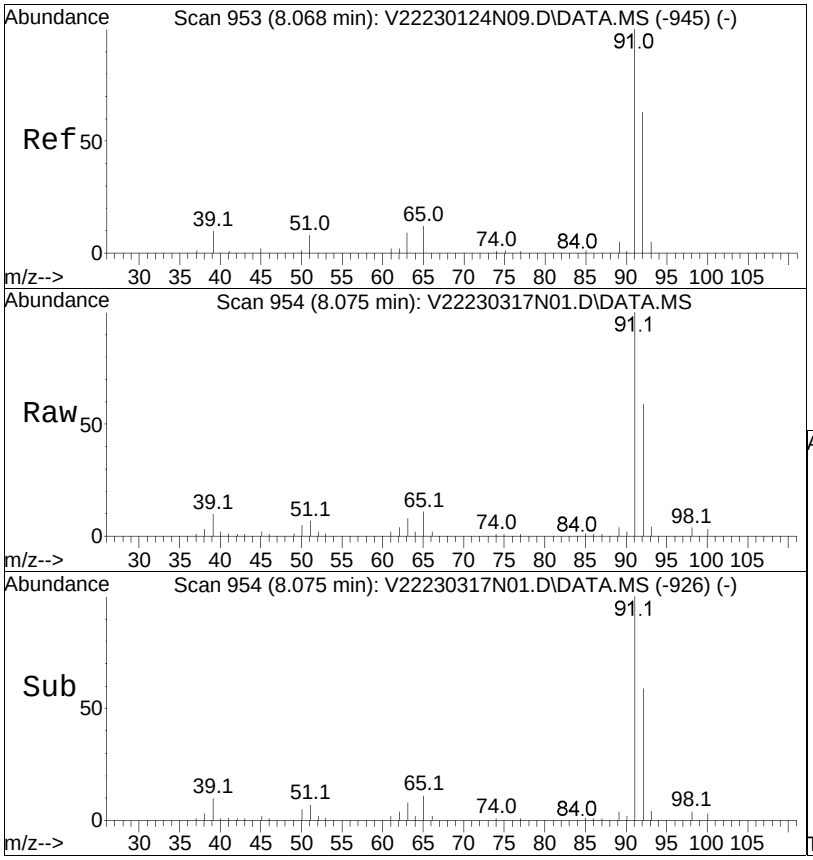


#61
cis-1,3-Dichloropropene
Concen: 9.26 ug/L
RT: 7.795 min Scan# 916
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 75 Resp: 70827

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.6	38.4
39	51.1	35.4	53.0

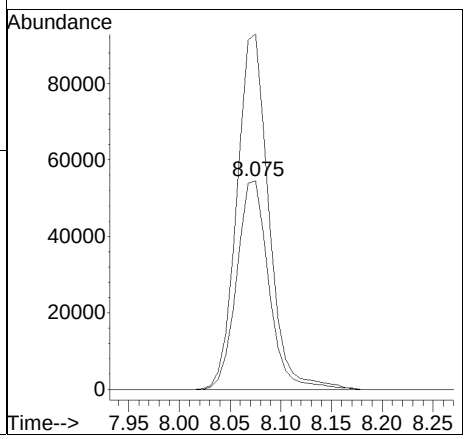


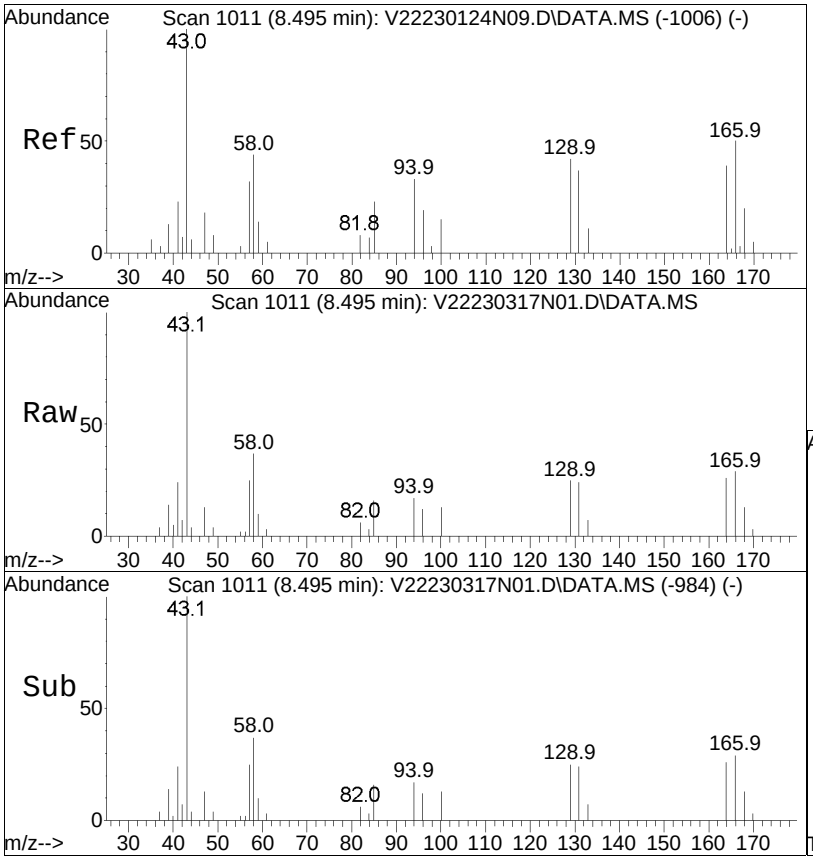


#64
Toluene
Concen: 9.84 ug/L
RT: 8.075 min Scan# 954
Delta R.T. 0.007 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 92 Resp: 120510

Ion	Ratio	Lower	Upper
92	100		
91	168.5	137.0	205.6

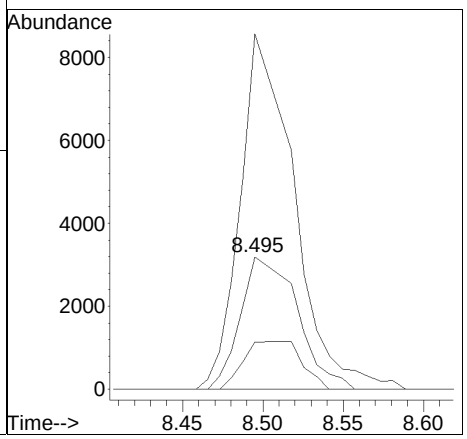


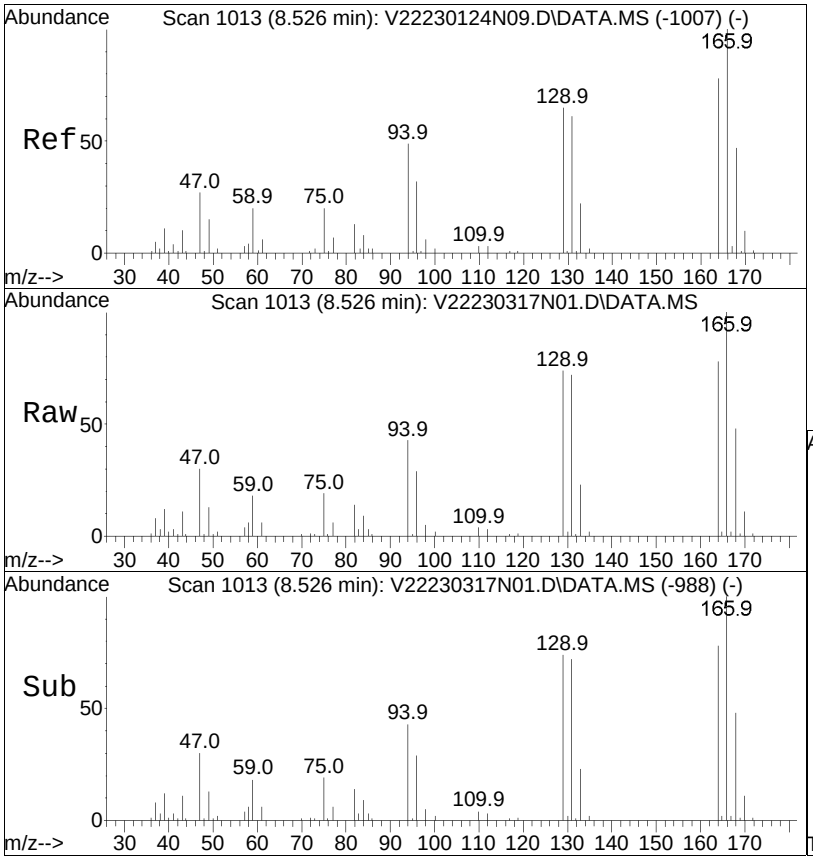


#65
4-Methyl-2-pentanone
Concen: 8.67 ug/L
RT: 8.495 min Scan# 1011
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 58 Resp: 6217

Ion	Ratio	Lower	Upper
58	100		
100	36.7	36.2	54.4
43	247.9	181.8	272.8

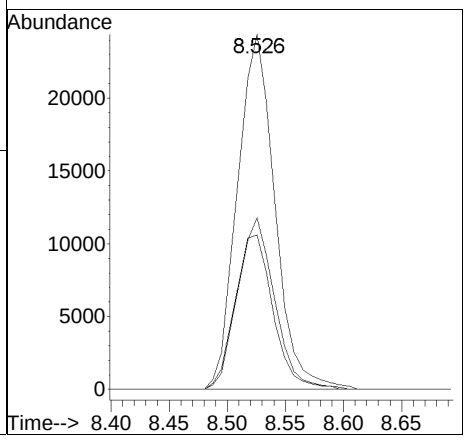


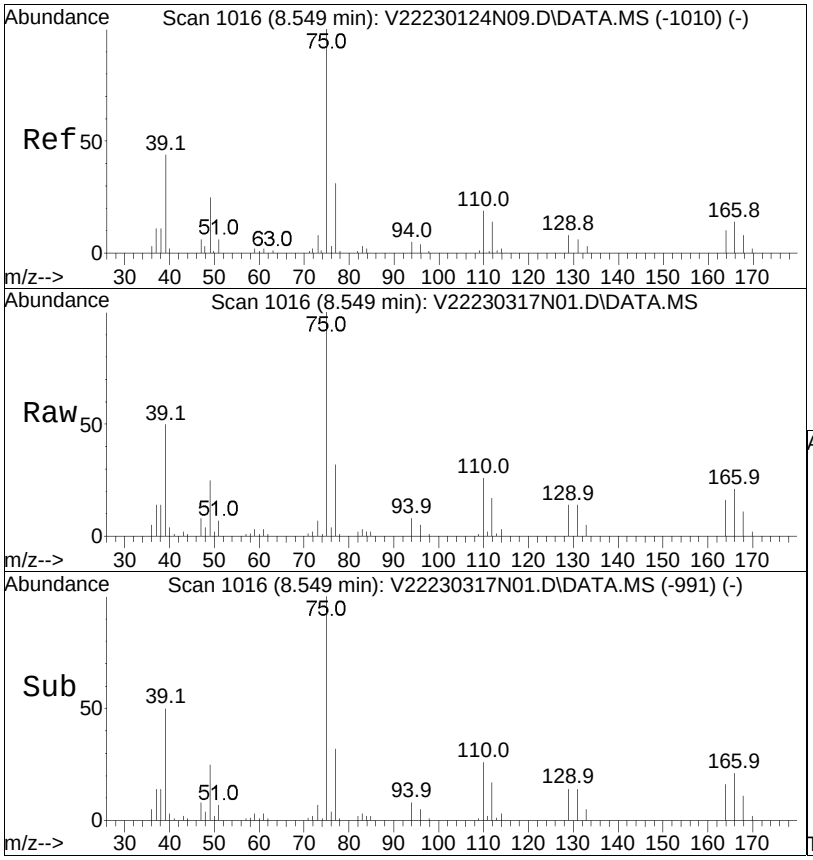


#66
Tetrachloroethene
Concen: 10.23 ug/L
RT: 8.526 min Scan# 1013
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:166 Resp: 48621

Ion	Ratio	Lower	Upper
166	100		
168	48.1	27.8	67.8
94	43.3	16.7	56.7

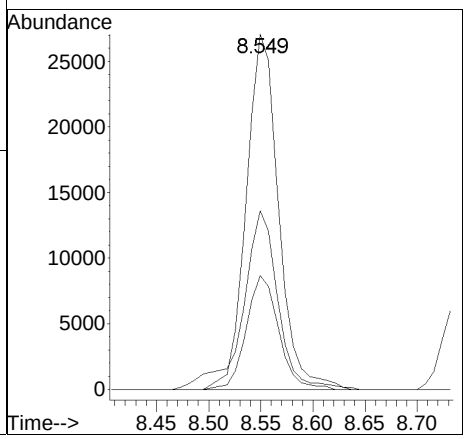


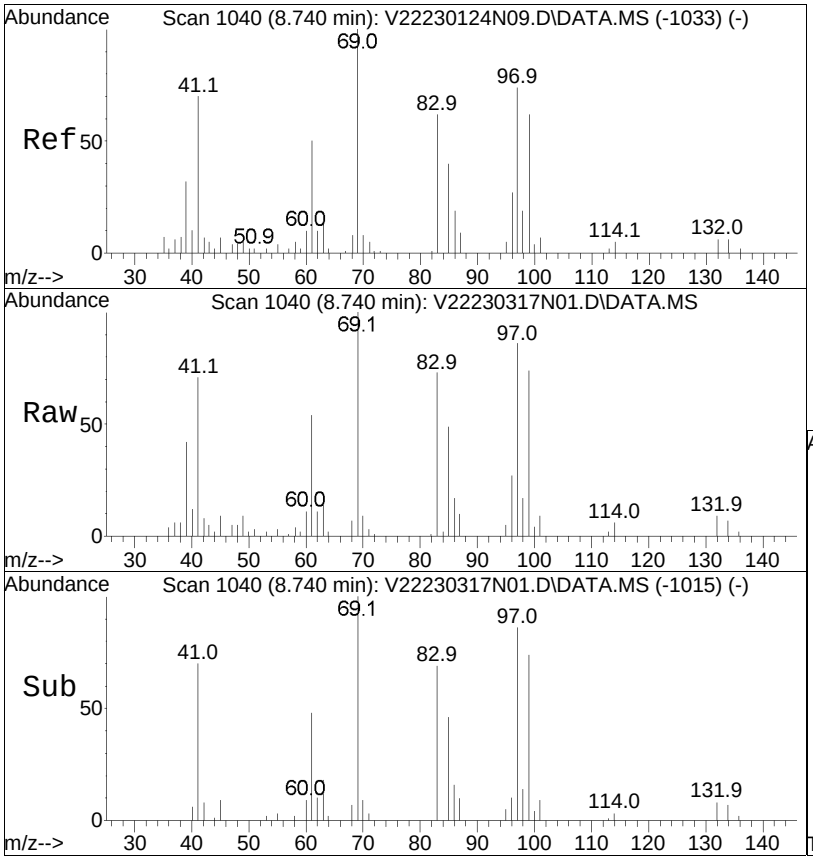


#68
trans-1,3-Dichloropropene
Concen: 9.05 ug/L
RT: 8.549 min Scan# 1016
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 75 Resp: 63472

Ion	Ratio	Lower	Upper
75	100		
77	32.5	11.9	51.9
39	51.7	27.4	67.4

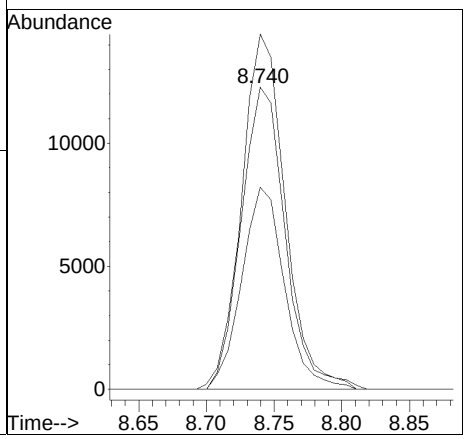


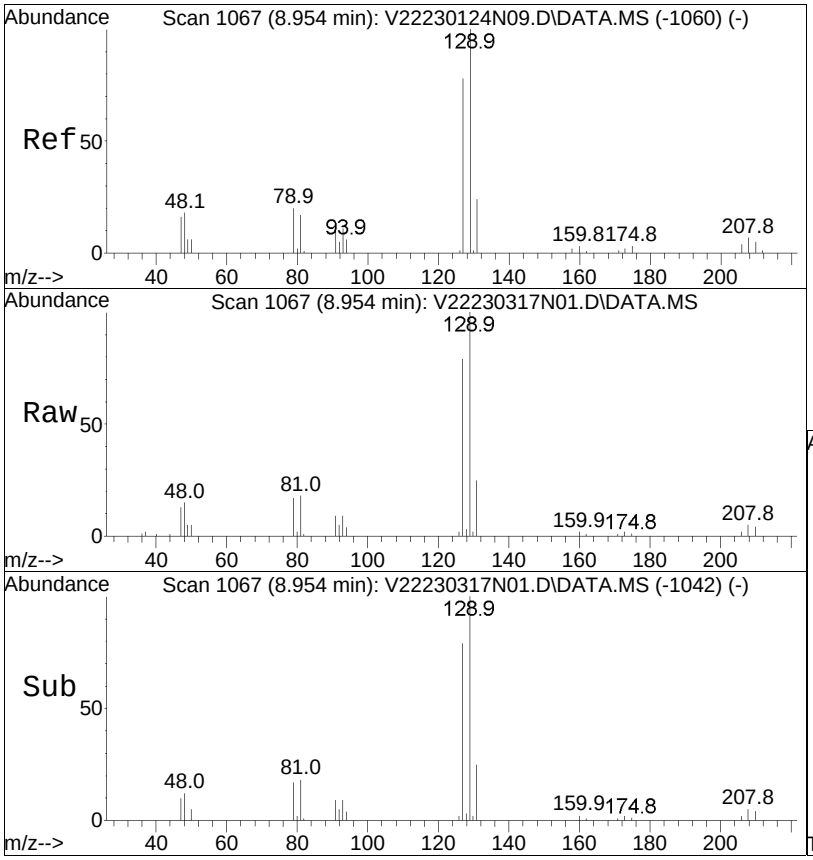


#71
1,1,2-Trichloroethane
Concen: 9.62 ug/L
RT: 8.740 min Scan# 1040
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 83 Resp: 27733

Ion	Ratio	Lower	Upper
83	100		
97	117.1	103.4	143.4
85	65.4	47.9	87.9

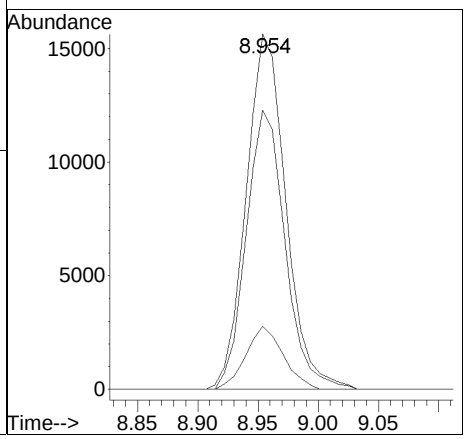


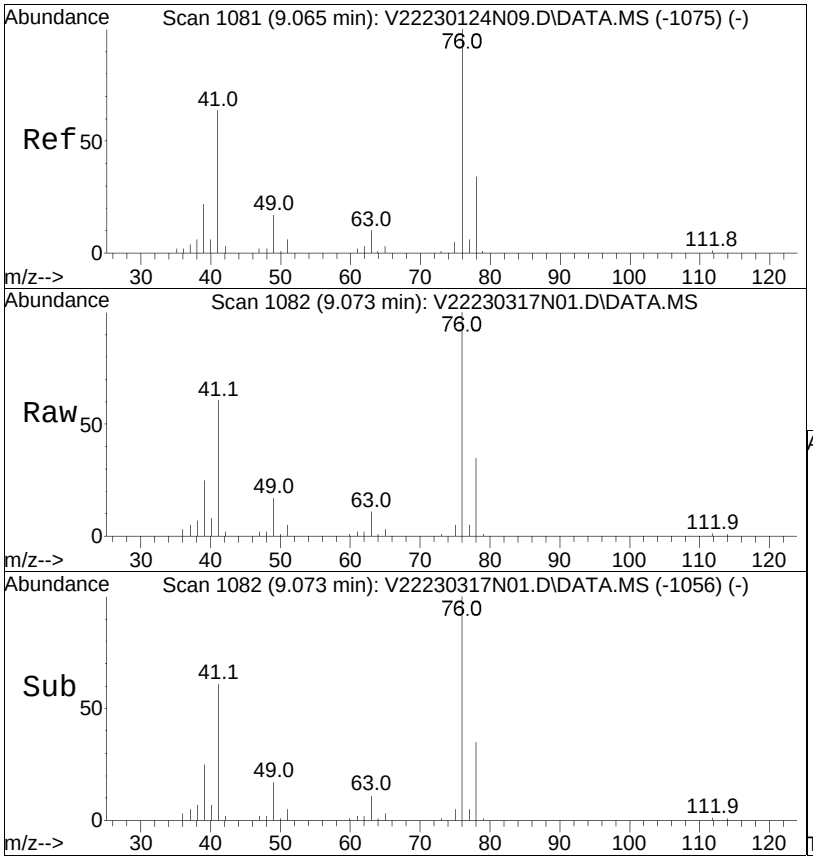


#72
Chlorodibromomethane
Concen: 8.59 ug/L
RT: 8.954 min Scan# 1067
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:129 Resp: 35883

Ion	Ratio	Lower	Upper
129	100		
81	16.8	0.0	33.8
127	77.1	57.1	97.1

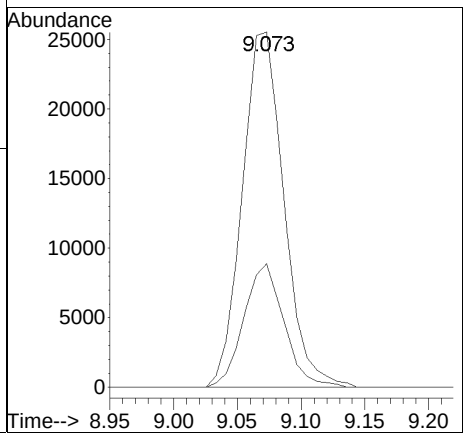


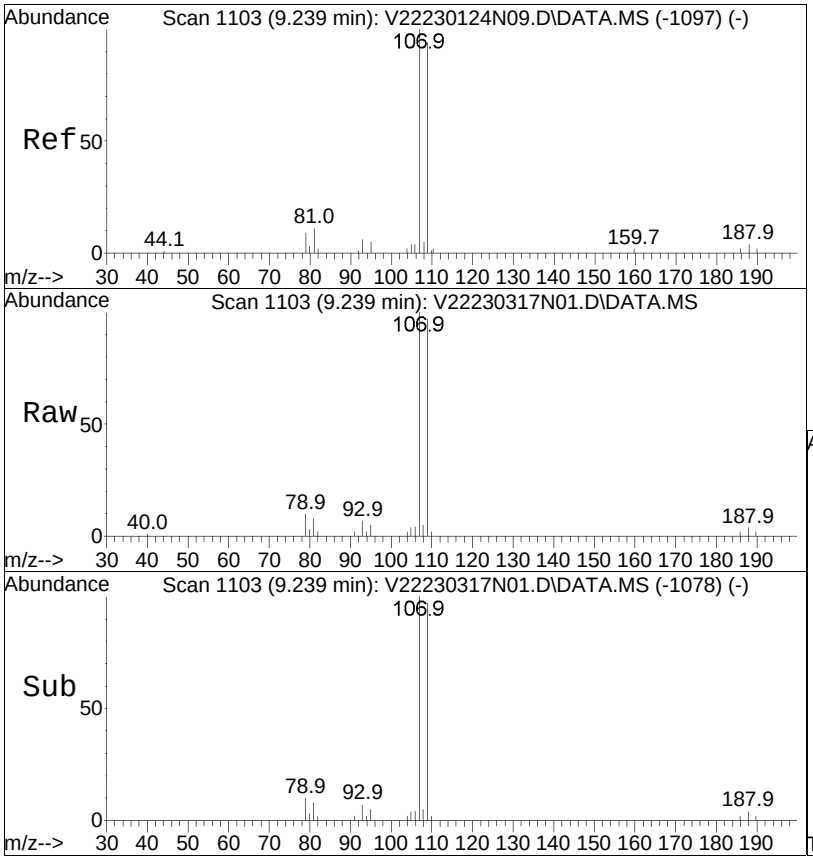


#73
1,3-Dichloropropane
Concen: 9.53 ug/L
RT: 9.073 min Scan# 1082
Delta R.T. 0.008 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 76 Resp: 58161

Ion	Ratio	Lower	Upper
76	100		
78	33.5	25.7	38.5

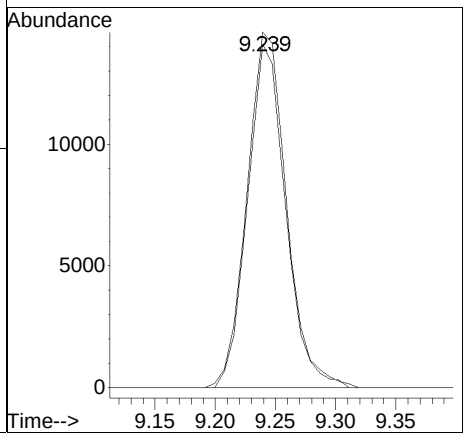


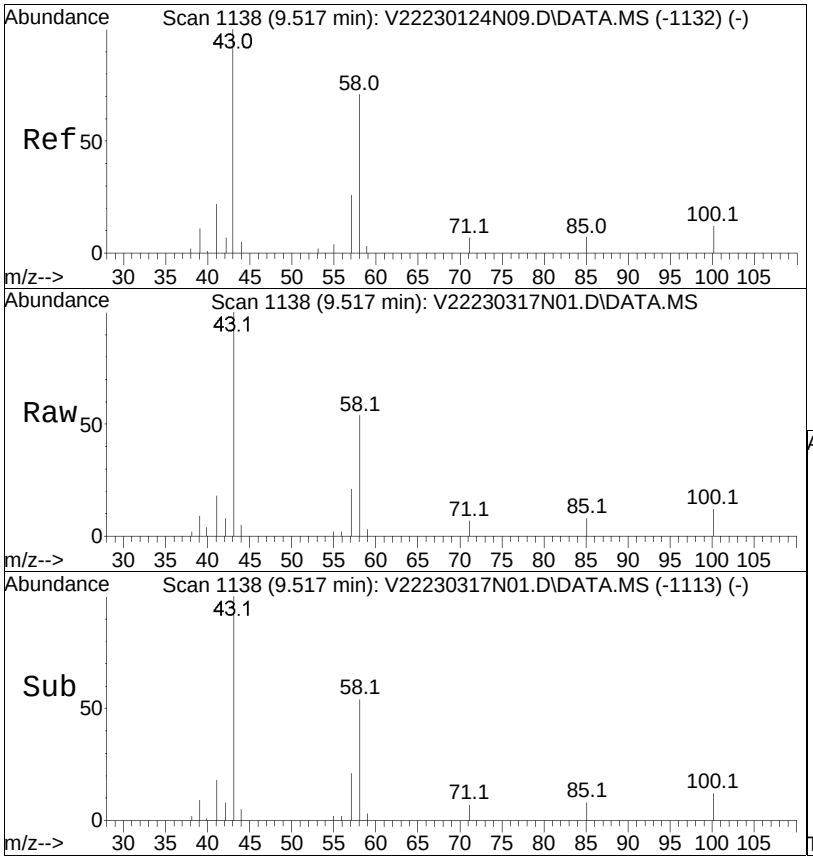


#74
1,2-Dibromoethane
Concen: 9.78 ug/L
RT: 9.239 min Scan# 1103
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:107 Resp: 33294

Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.1	112.7

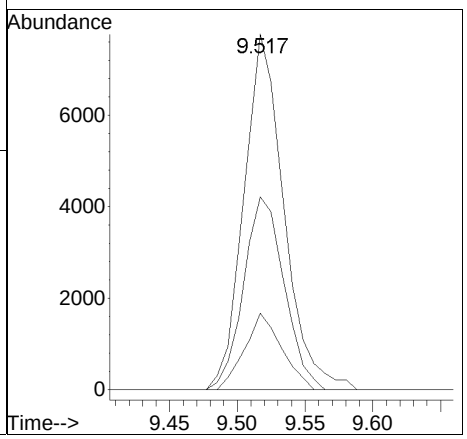


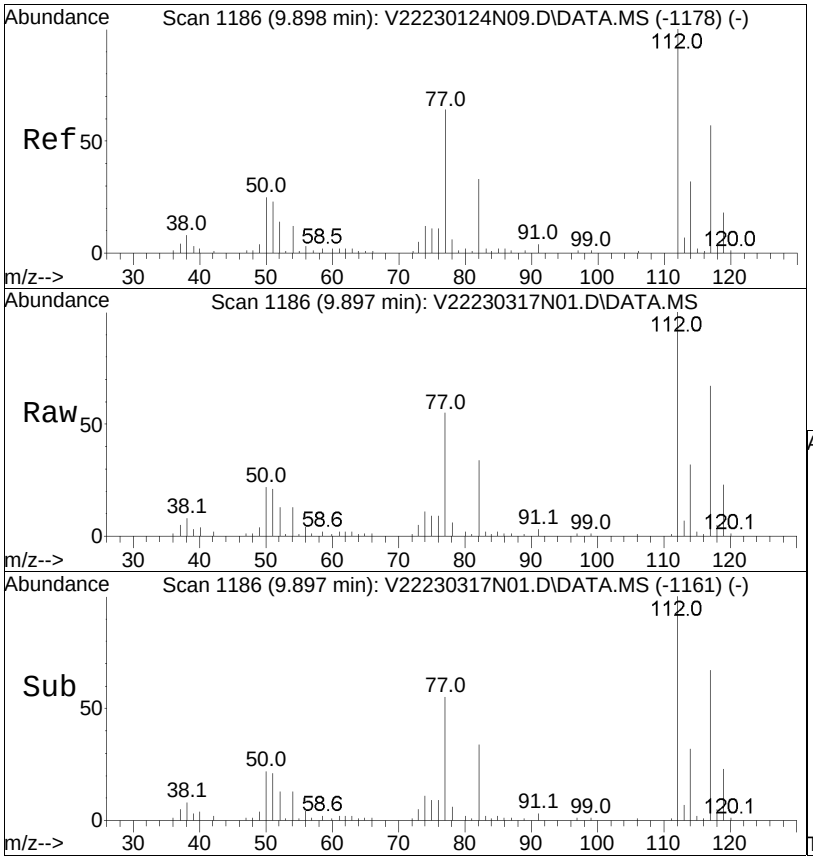


#76
2-Hexanone
Concen: 7.90 ug/L
RT: 9.517 min Scan# 1138
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 43 Resp: 15930

Ion	Ratio	Lower	Upper
43	100		
58	54.9	47.6	71.4
57	19.9	16.6	24.8

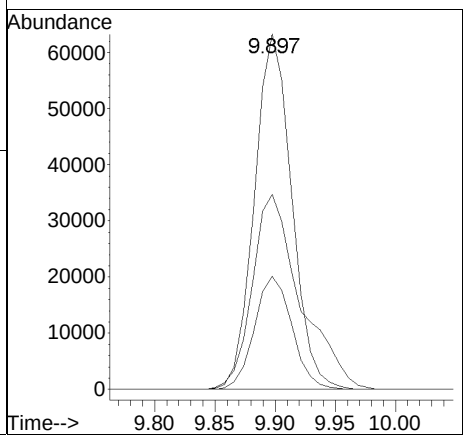


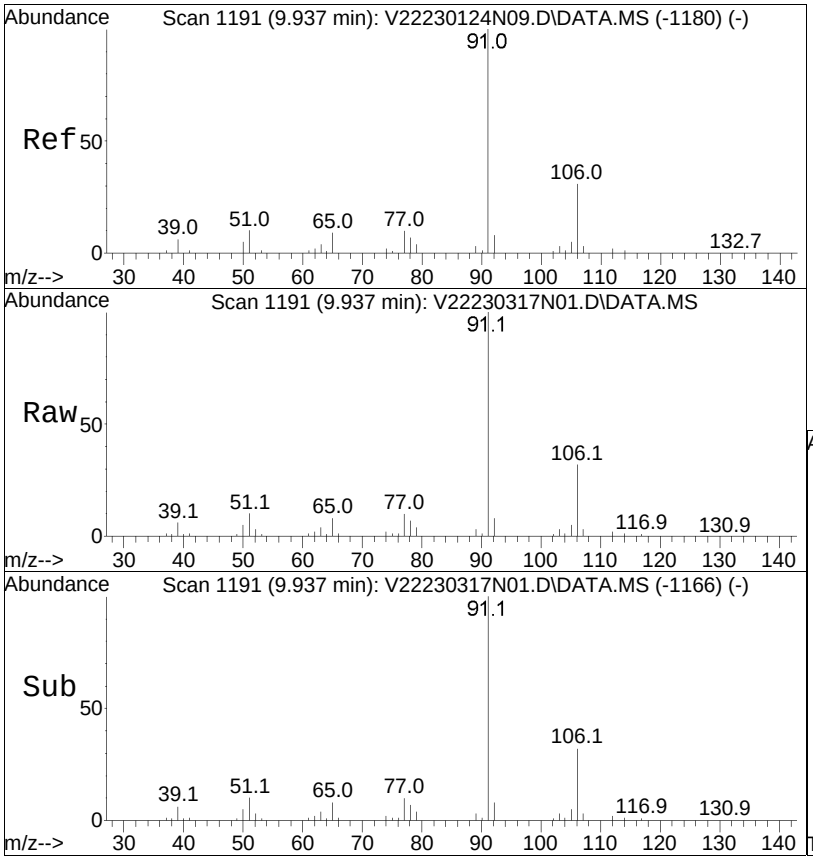


#77
Chlorobenzene
Concen: 9.84 ug/L
RT: 9.897 min Scan# 1186
Delta R.T. -0.001 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:112 Resp: 136107

Ion	Ratio	Lower	Upper
112	100		
77	71.0	55.4	83.0
114	32.1	26.2	39.4

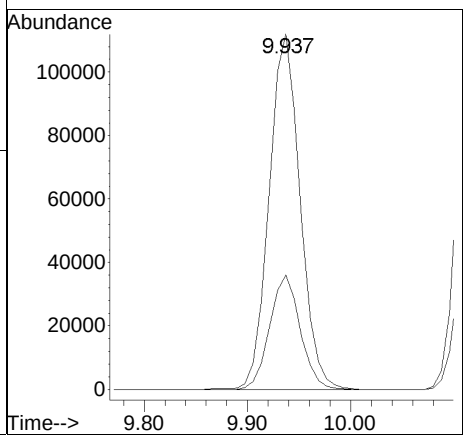


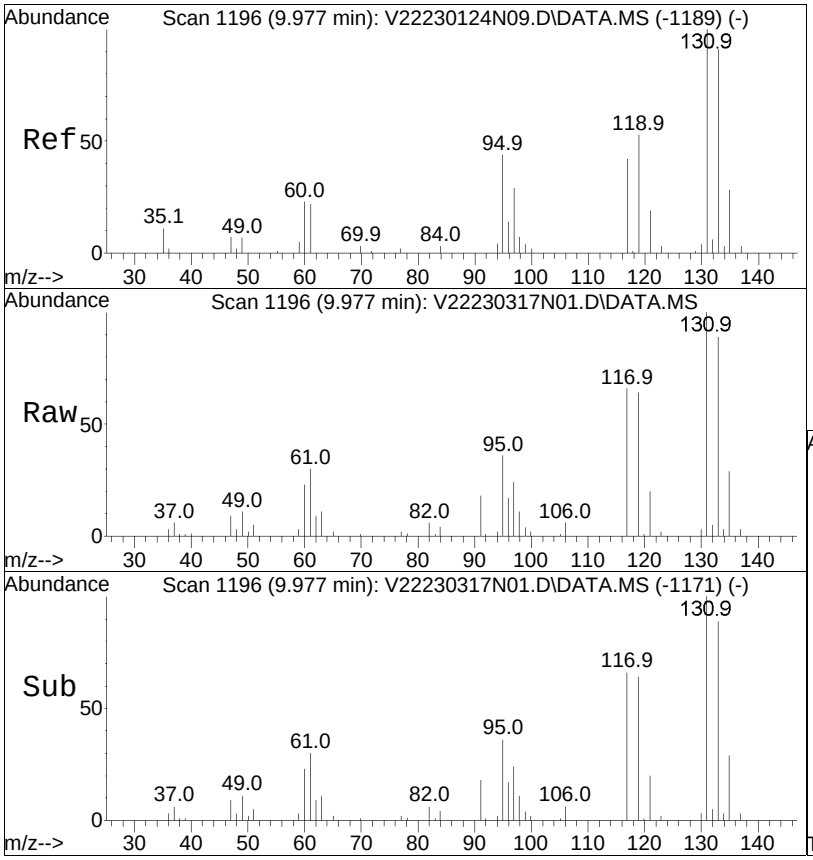


#78
Ethylbenzene
Concen: 9.65 ug/L
RT: 9.937 min Scan# 1191
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 91 Resp: 233151

Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.8	38.6

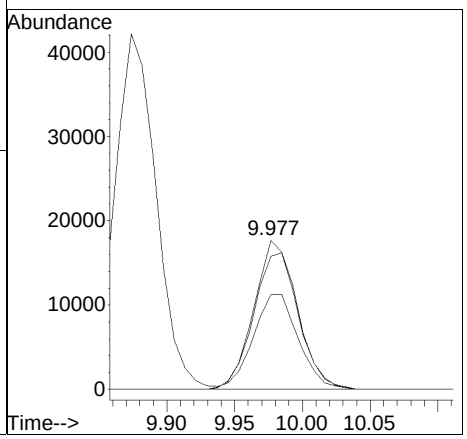


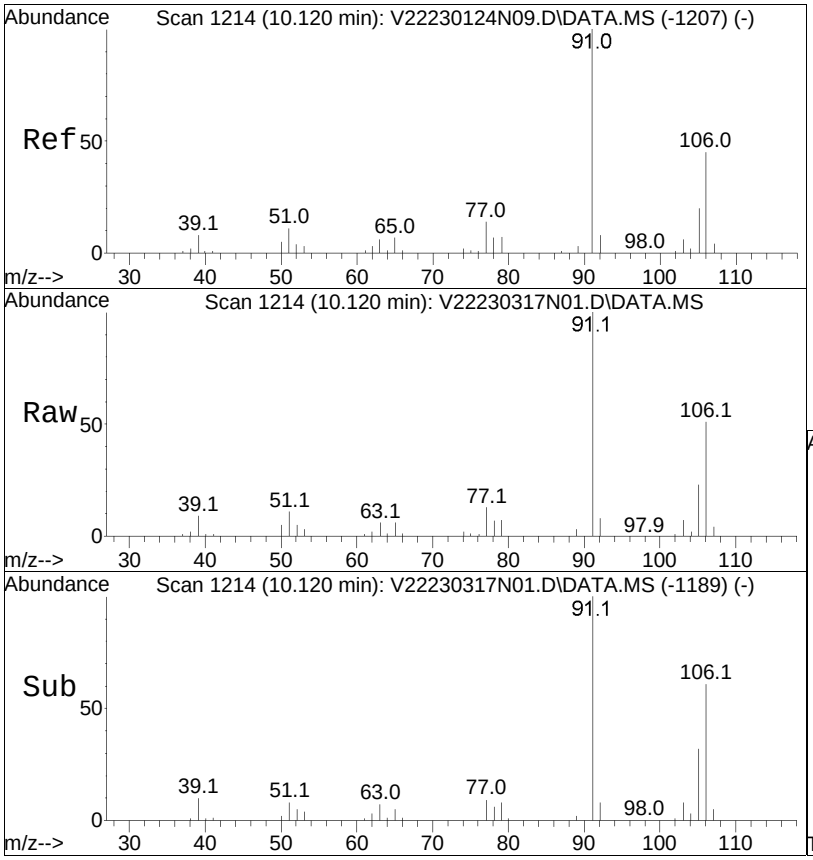


#79
1,1,1,2-Tetrachloroethane
Concen: 8.95 ug/L
RT: 9.977 min Scan# 1196
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:131 Resp: 39516

Ion	Ratio	Lower	Upper
131	100		
133	95.0	75.3	115.3
119	66.2	49.3	89.3

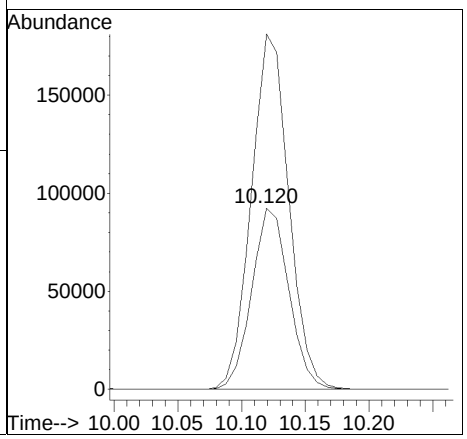


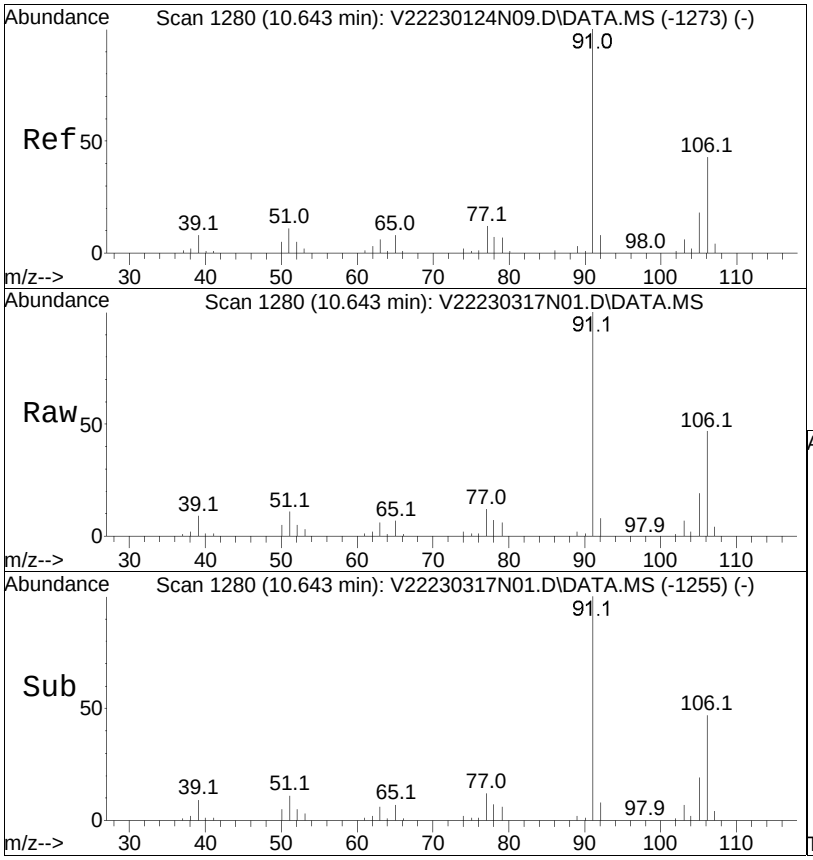


#80
p/m Xylene
Concen: 19.74 ug/L
RT: 10.120 min Scan# 1214
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:106 Resp: 187883

Ion	Ratio	Lower	Upper
106	100		
91	197.1	156.0	234.0

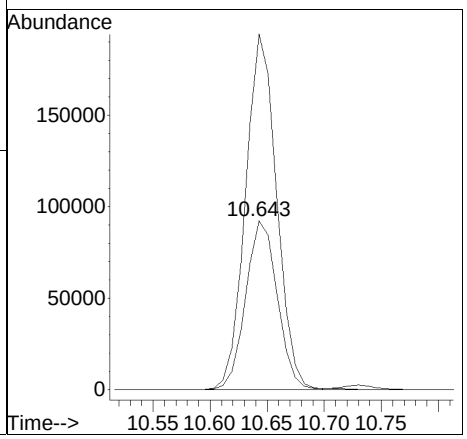


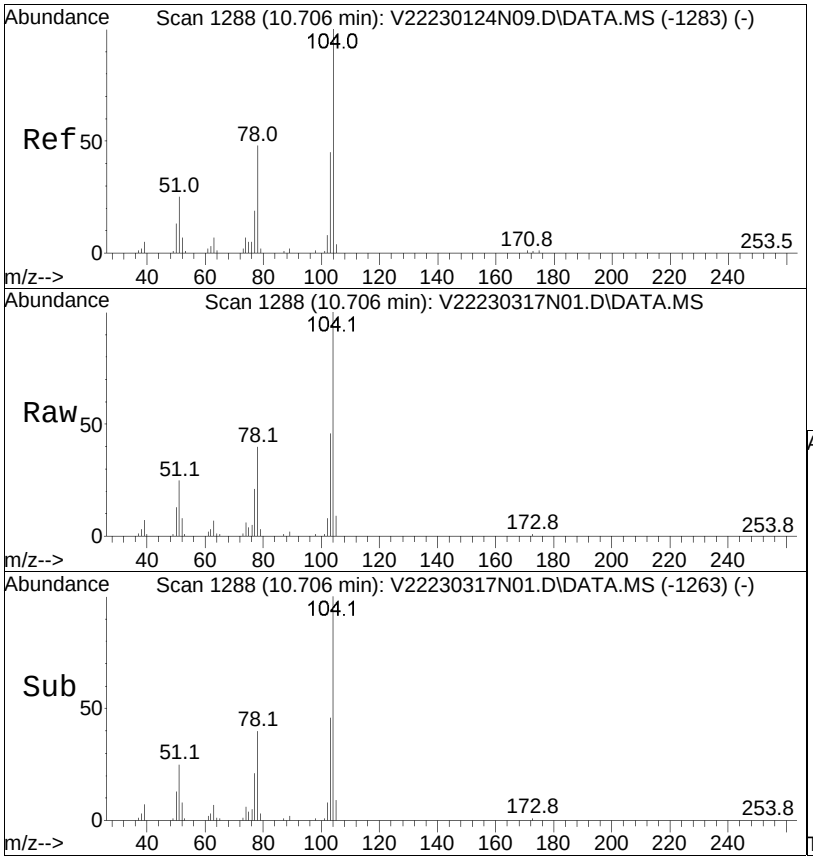


#81
o Xylene
Concen: 19.44 ug/L
RT: 10.643 min Scan# 1280
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:106 Resp: 177842

Ion	Ratio	Lower	Upper
106	100		
91	206.9	164.0	246.0

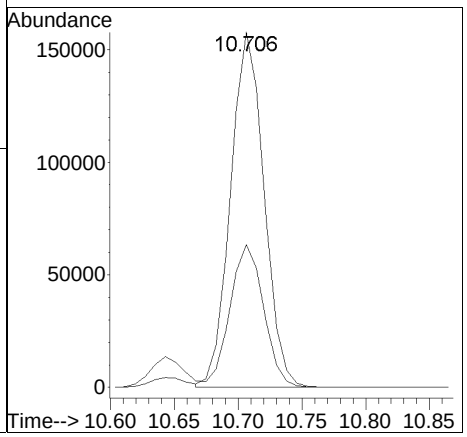


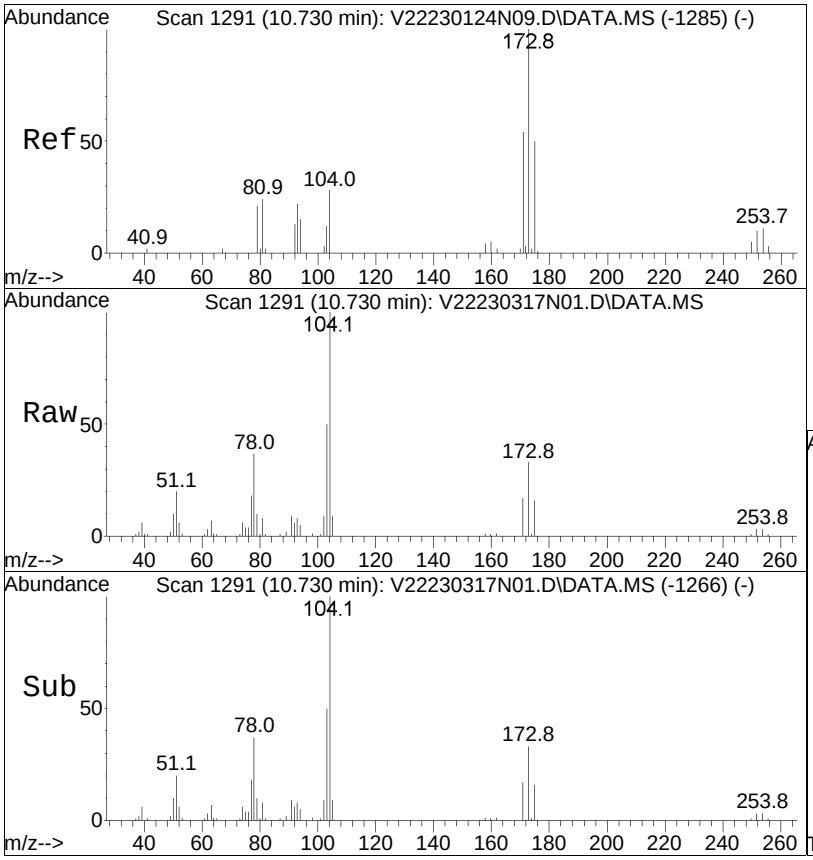


#82
Styrene
Concen: 19.00 ug/L
RT: 10.706 min Scan# 1288
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:104 Resp: 288160

Ion	Ratio	Lower	Upper
104	100		
78	40.2	32.1	48.1

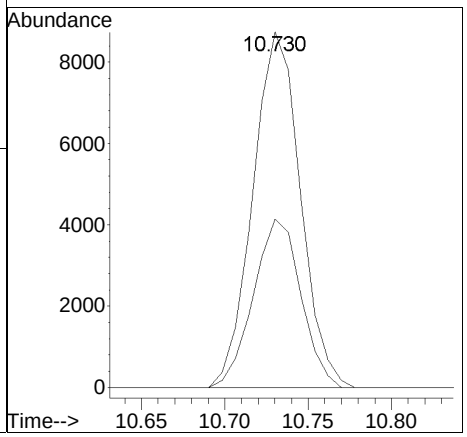


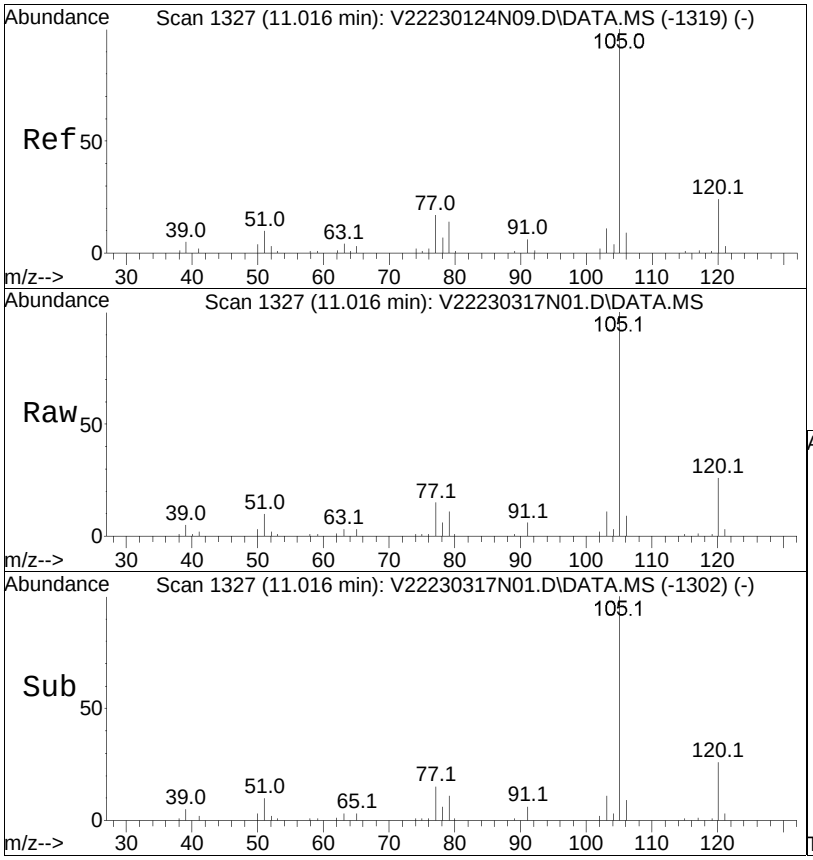


#84
Bromoform
Concen: 6.85 ug/L
RT: 10.730 min Scan# 1291
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:173 Resp: 17308

Ion	Ratio	Lower	Upper
173	100		
175	47.3	29.3	69.3

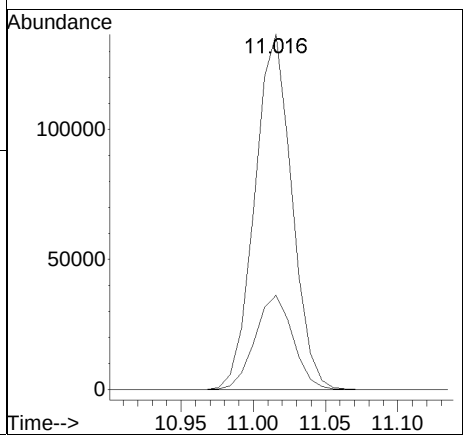


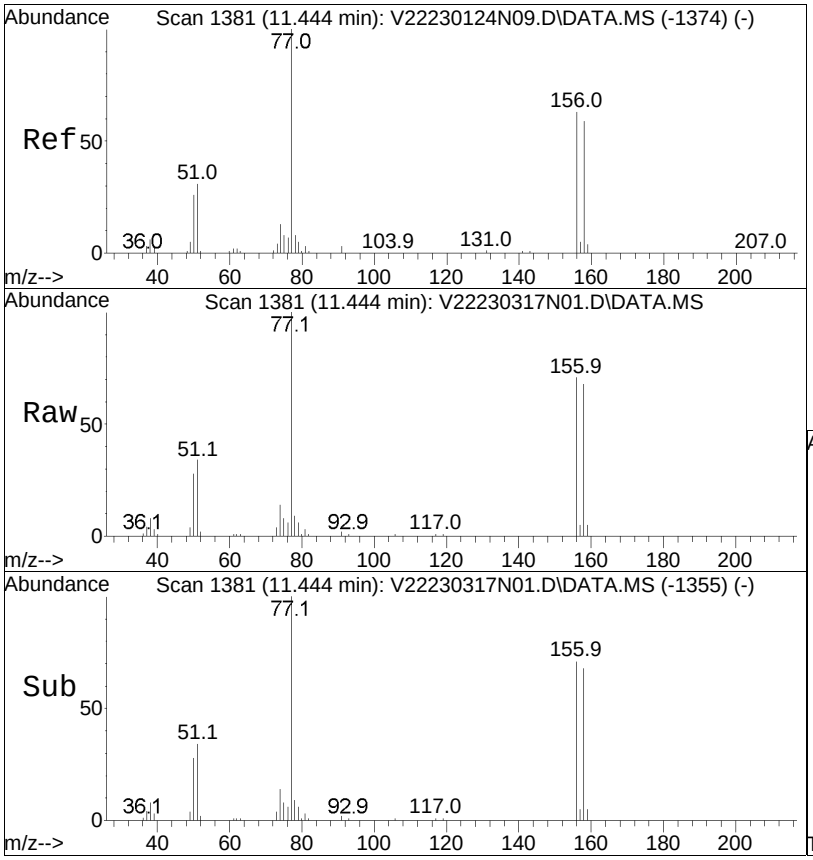


#86
Isopropylbenzene
Concen: 9.90 ug/L
RT: 11.016 min Scan# 1327
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:105 Resp: 243782

Ion	Ratio	Lower	Upper
105	100		
120	27.0	7.7	47.7

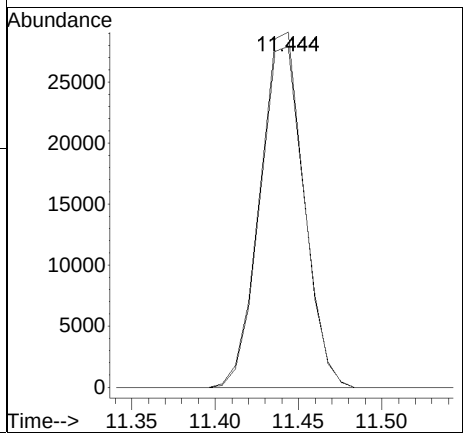


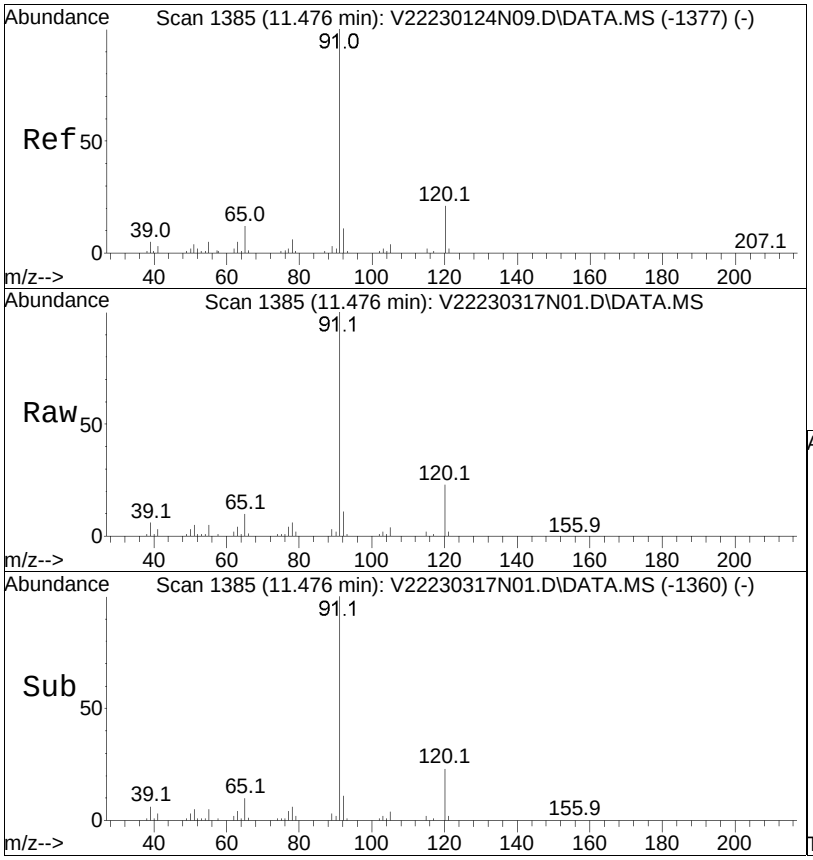


#88
Bromobenzene
Concen: 9.73 ug/L
RT: 11.444 min Scan# 1381
Delta R.T. 0.008 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:156 Resp: 53263

Ion	Ratio	Lower	Upper
156	100		
158	96.8	77.9	116.9

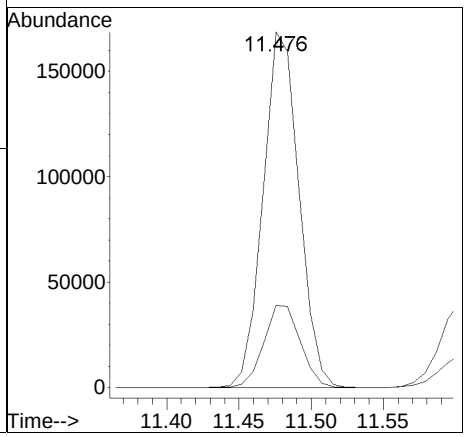


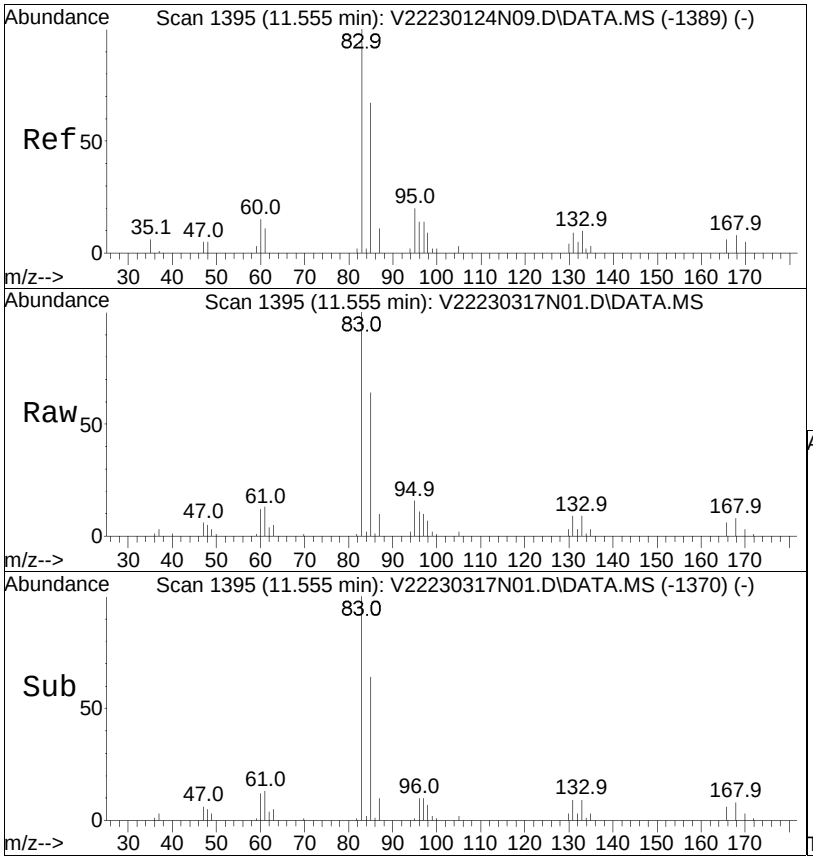


#89
n-Propylbenzene
Concen: 9.98 ug/L
RT: 11.476 min Scan# 1385
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 91 Resp: 291580

Ion	Ratio	Lower	Upper
91	100		
120	23.5	19.5	29.3

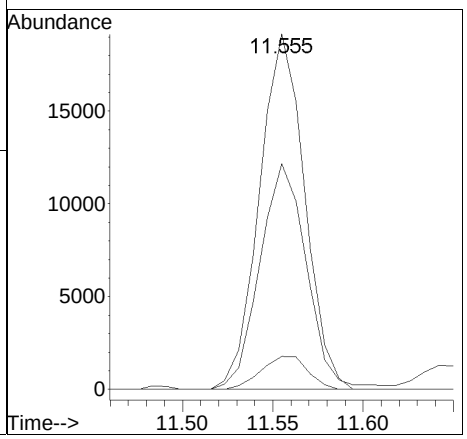


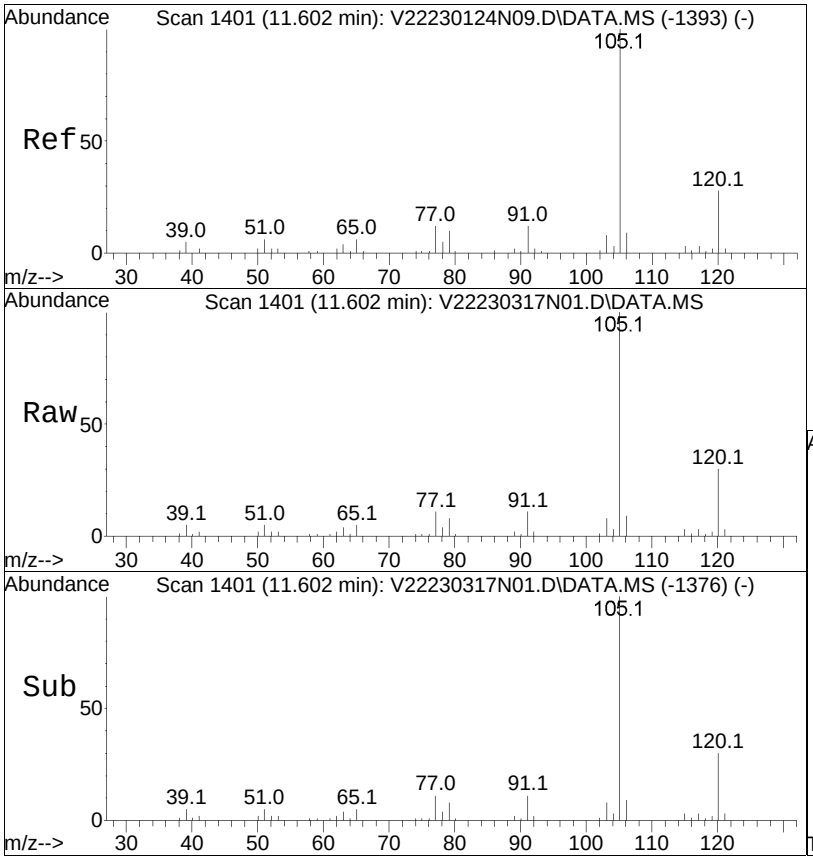


#91
1,1,2,2-Tetrachloroethane
Concen: 9.00 ug/L
RT: 11.555 min Scan# 1395
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 83 Resp: 33309

Ion	Ratio	Lower	Upper
83	100		
131	9.7	0.0	30.8
85	65.8	45.4	85.4

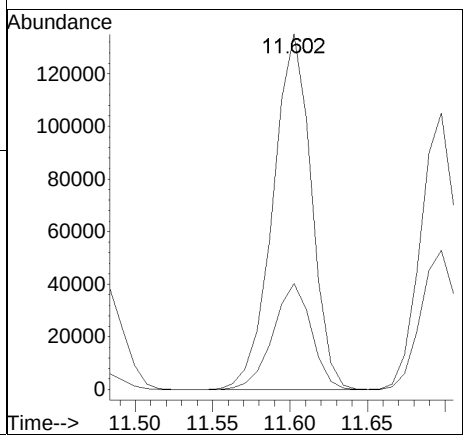


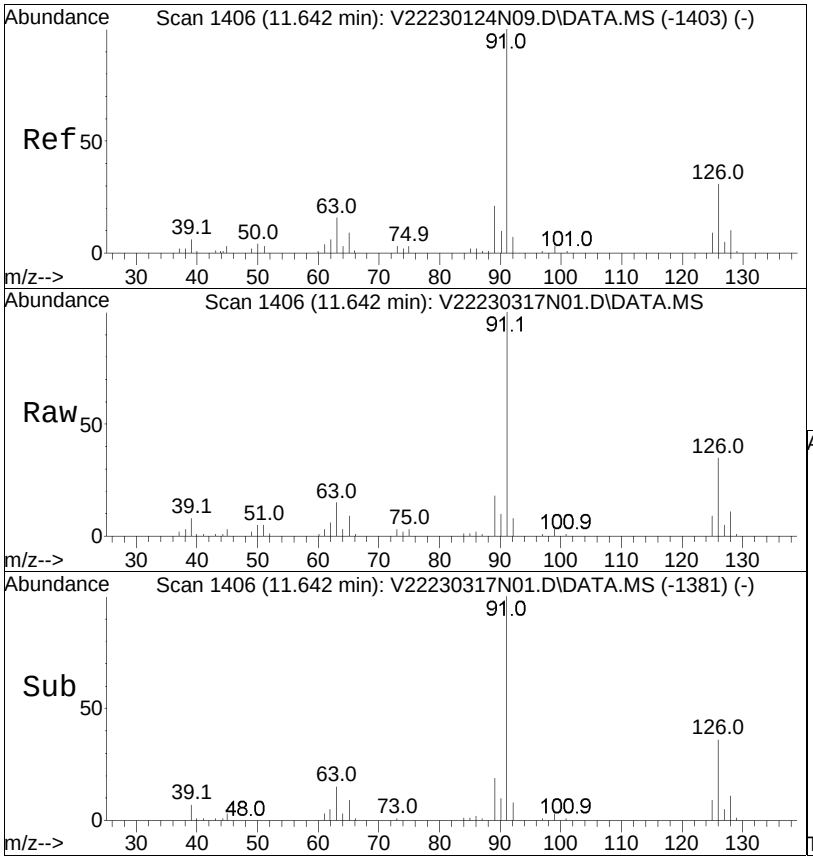


#92
4-Ethyltoluene
Concen: 9.97 ug/L
RT: 11.602 min Scan# 1401
Delta R.T. -0.001 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:105 Resp: 233621

Ion	Ratio	Lower	Upper
105	100		
120	29.7	19.8	41.0

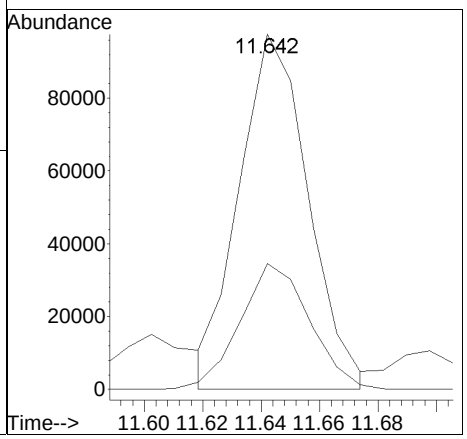


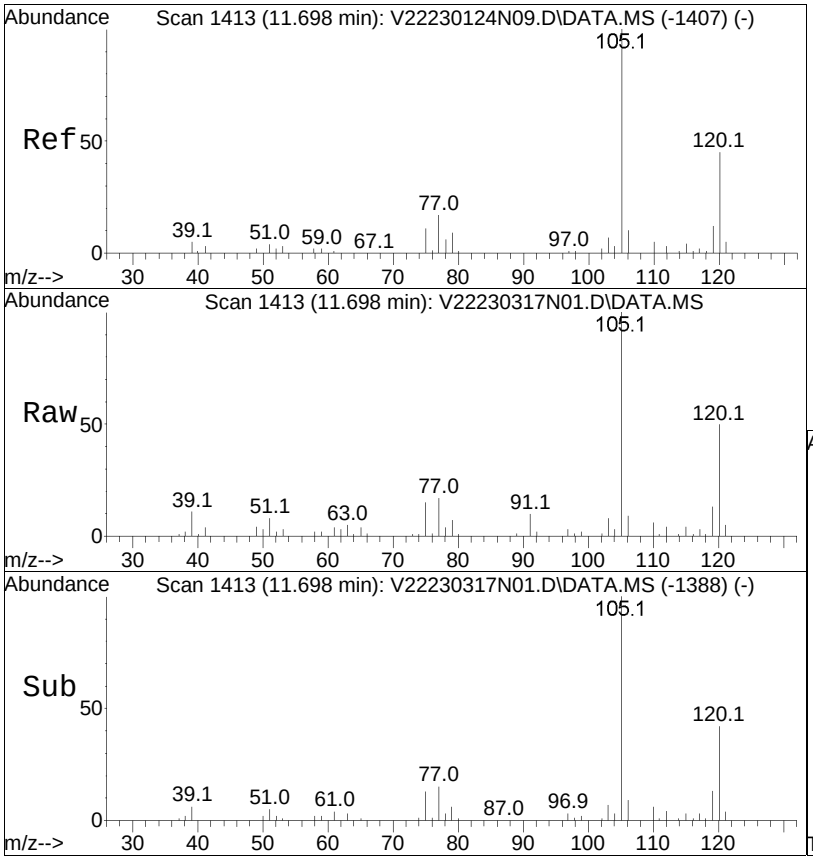


#93
2-Chlorotoluene
Concen: 9.70 ug/L M6
RT: 11.642 min Scan# 1406
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 91 Resp: 160300

Ion	Ratio	Lower	Upper
91	100		
126	35.7	24.6	37.0

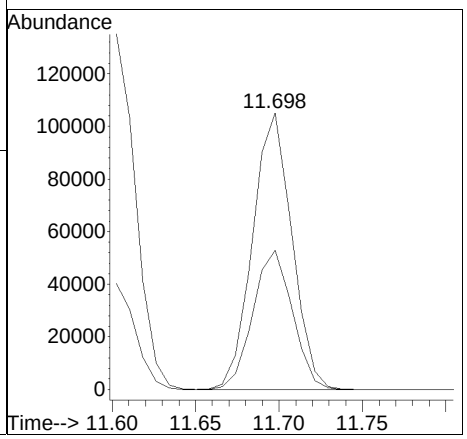


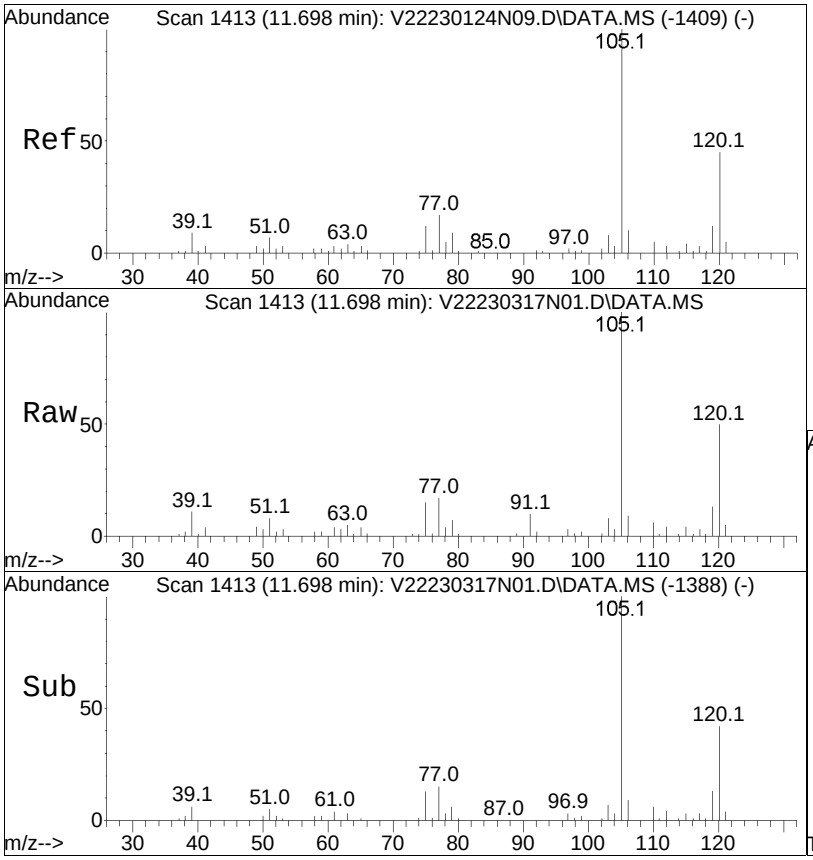


#94
1,3,5-Trimethylbenzene
Concen: 9.12 ug/L
RT: 11.698 min Scan# 1413
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:105 Resp: 172256

Ion	Ratio	Lower	Upper
105	100		
120	50.5	40.9	61.3

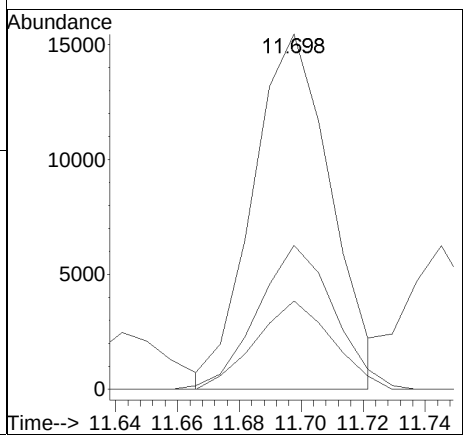


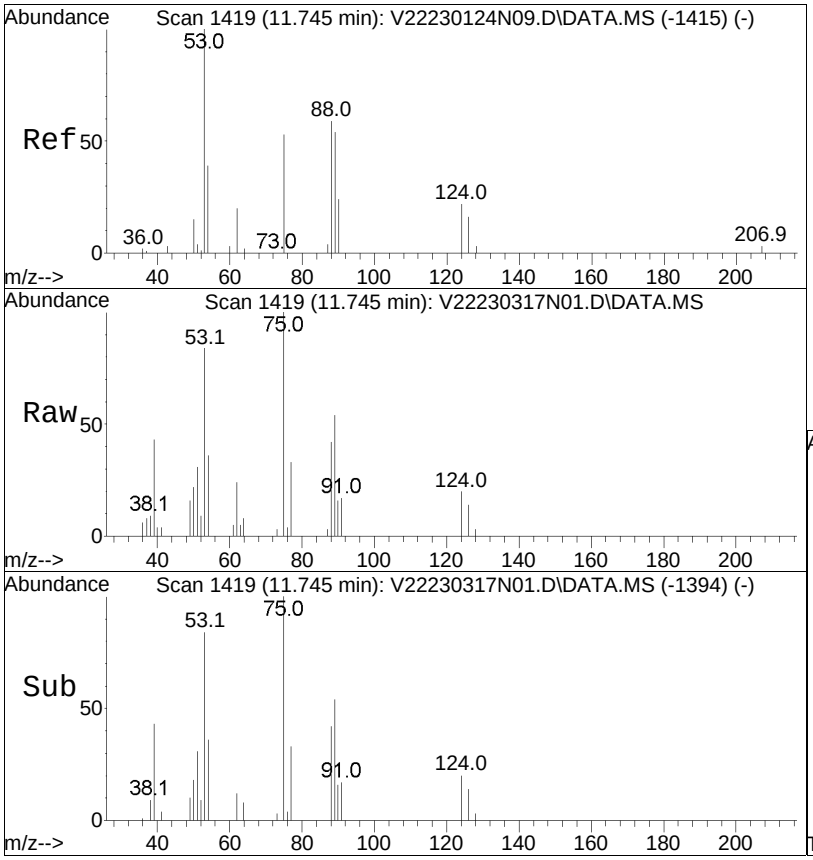


#95
1,2,3-Trichloropropane
Concen: 8.68 ug/L
RT: 11.698 min Scan# 1413
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 75 Resp: 27088

Ion	Ratio	Lower	Upper
75	100		
110	39.8	26.3	54.7
112	24.5	16.8	35.0

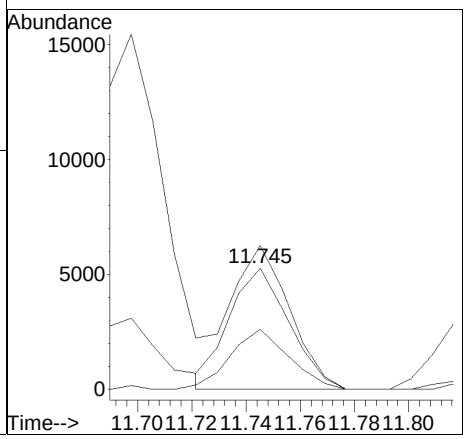


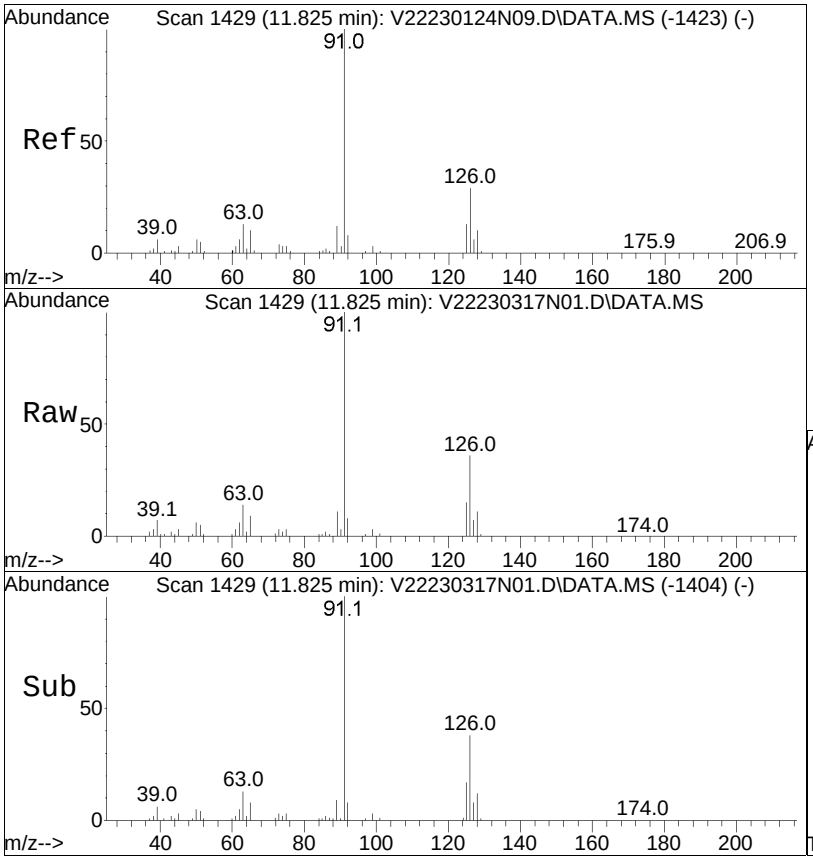


#96
trans-1,4-Dichloro-2-butene
Concen: 7.55 ug/L
RT: 11.745 min Scan# 1419
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 53 Resp: 8109

Ion	Ratio	Lower	Upper
53	100		
88	48.8	46.3	69.5
75	105.2	109.0	163.4#

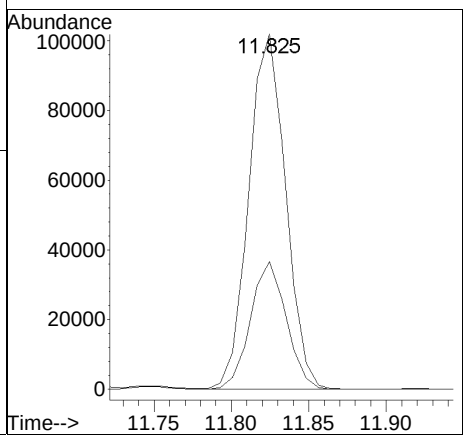


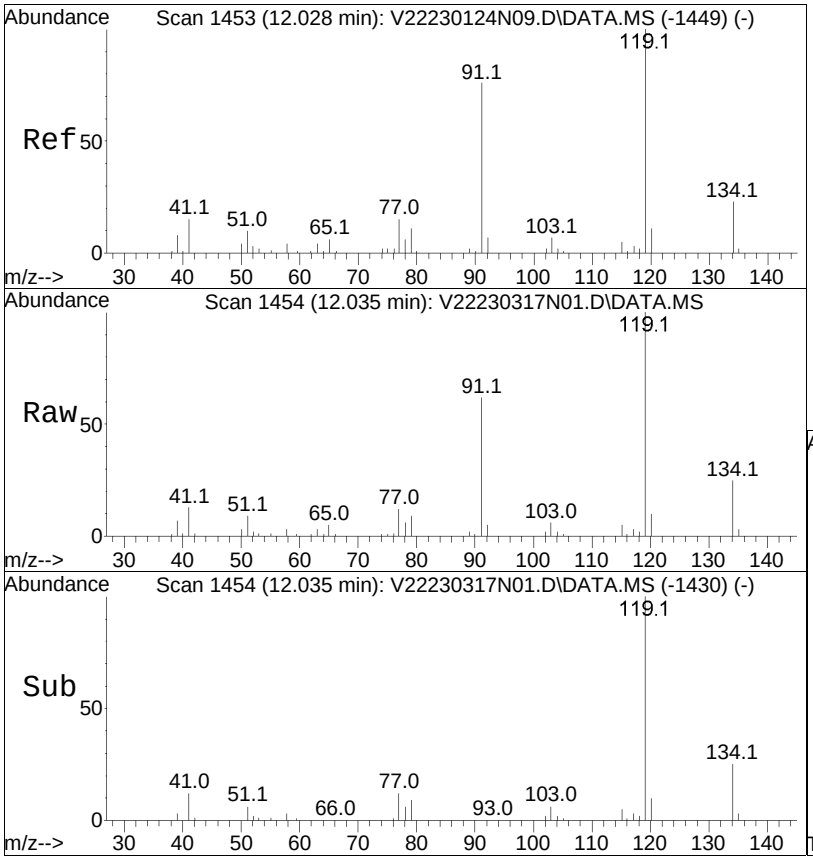


#97
4-Chlorotoluene
Concen: 9.74 ug/L
RT: 11.825 min Scan# 1429
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 91 Resp: 169134

Ion	Ratio	Lower	Upper
91	100		
126	34.9	28.5	42.7

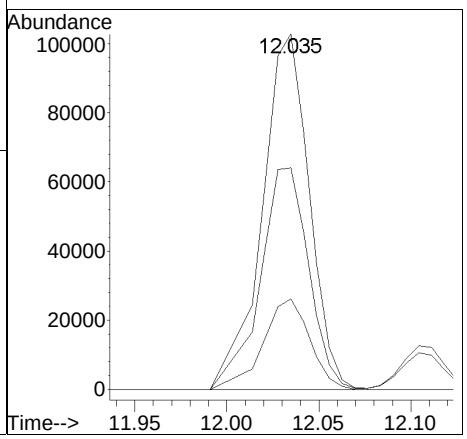


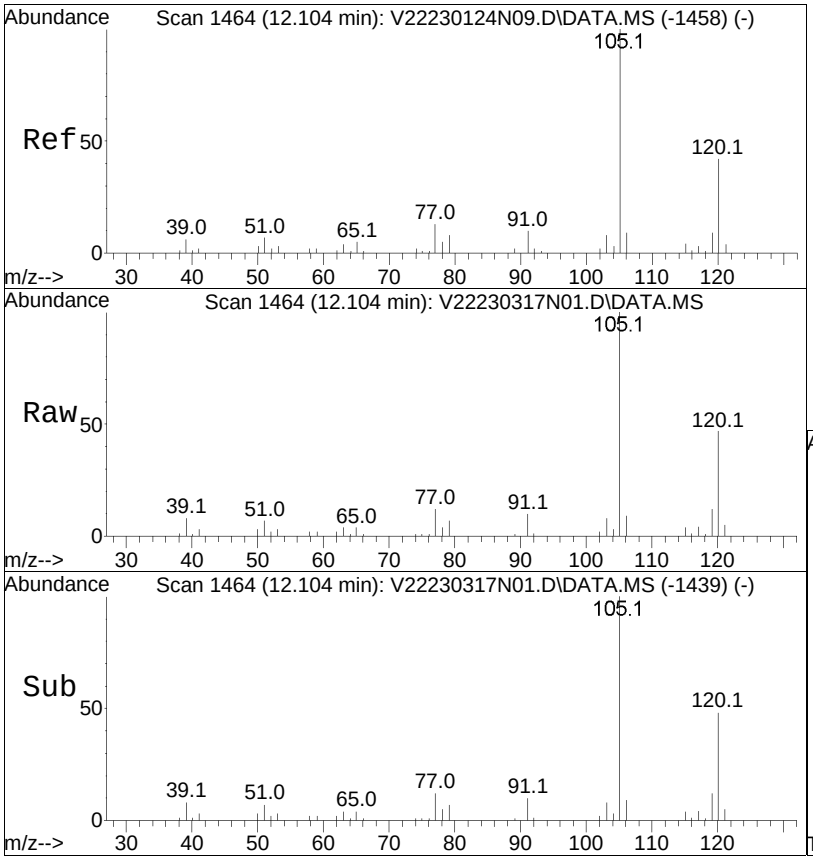


#98
tert-Butylbenzene
Concen: 10.11 ug/L
RT: 12.035 min Scan# 1454
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:119 Resp: 209011

Ion	Ratio	Lower	Upper
119	100		
91	63.8	50.2	75.4
134	25.4	20.8	31.2

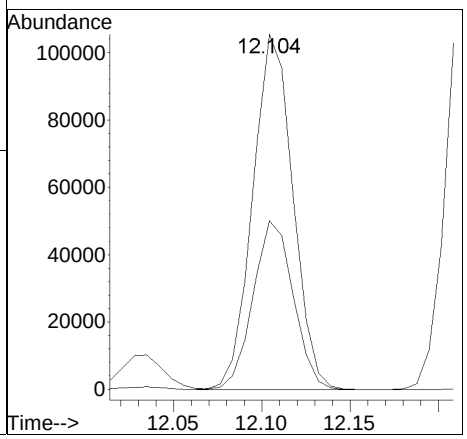


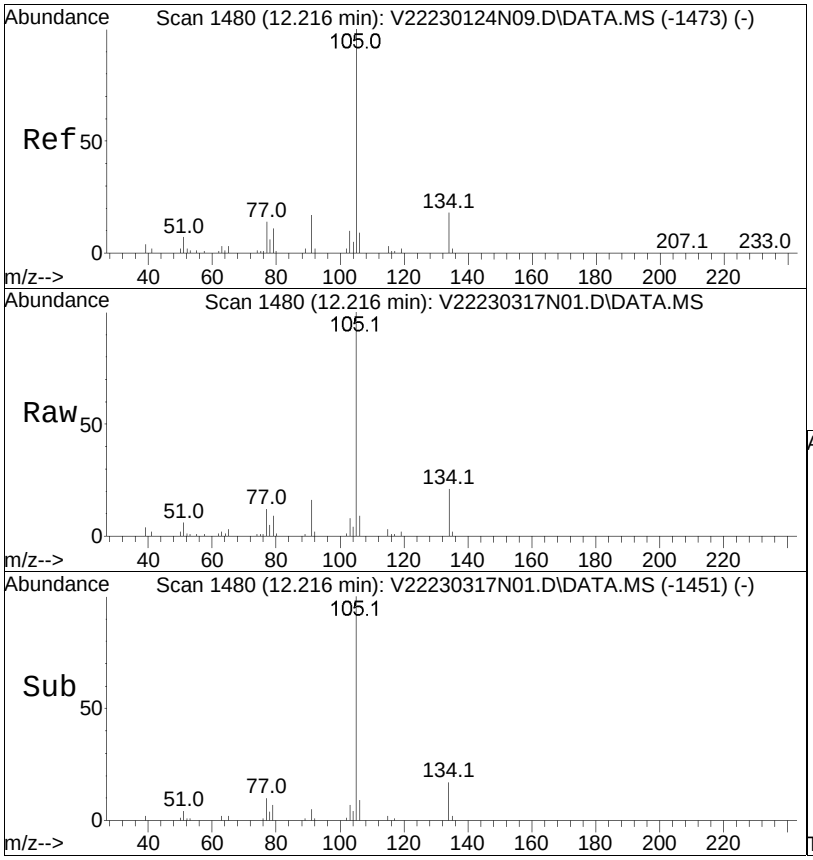


#101
1,2,4-Trimethylbenzene
Concen: 9.10 ug/L
RT: 12.104 min Scan# 1464
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:105 Resp: 166578

Ion	Ratio	Lower	Upper
105	100		
120	47.6	38.5	57.7

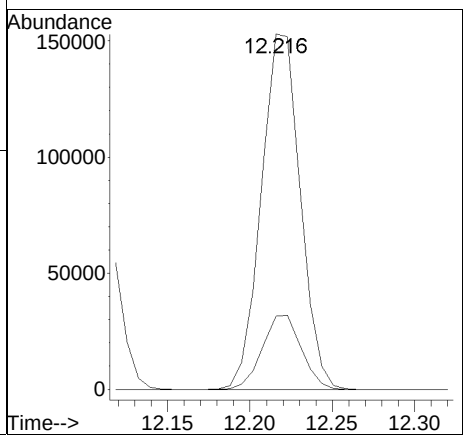


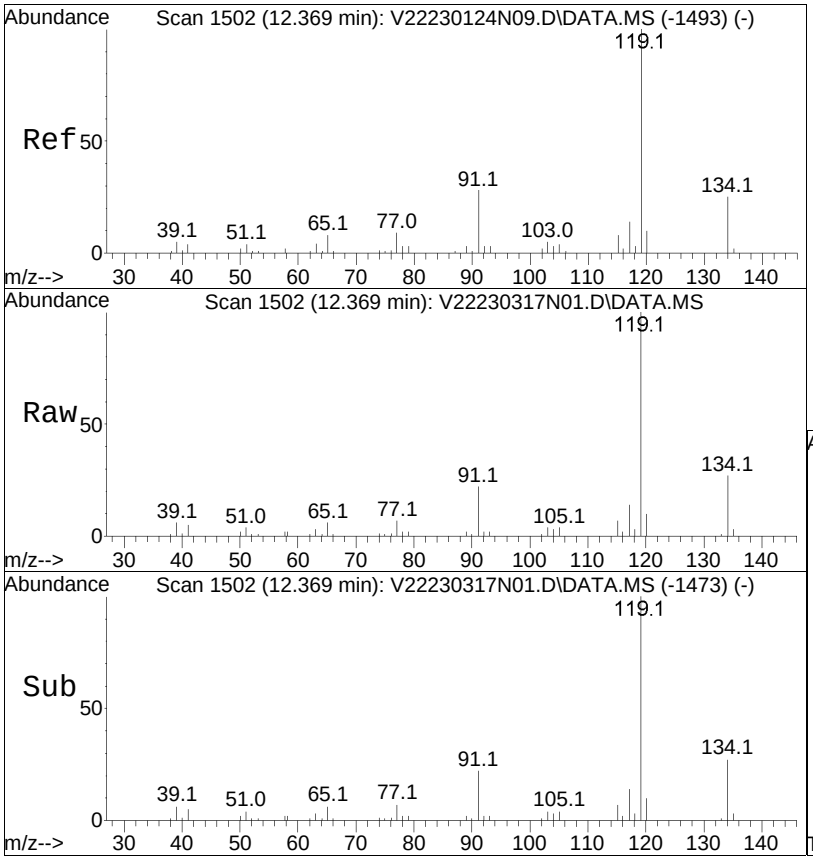


#102
sec-Butylbenzene
Concen: 10.10 ug/L
RT: 12.216 min Scan# 1480
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:105 Resp: 252405

Ion	Ratio	Lower	Upper
105	100		
134	20.9	13.9	28.9

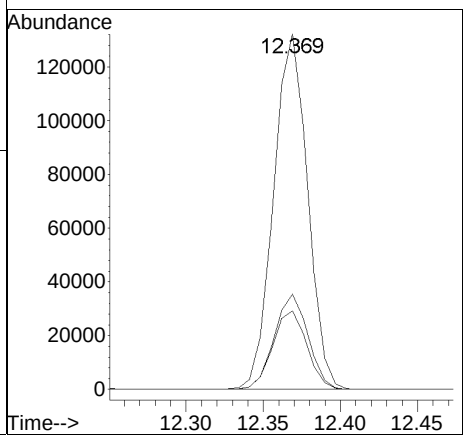


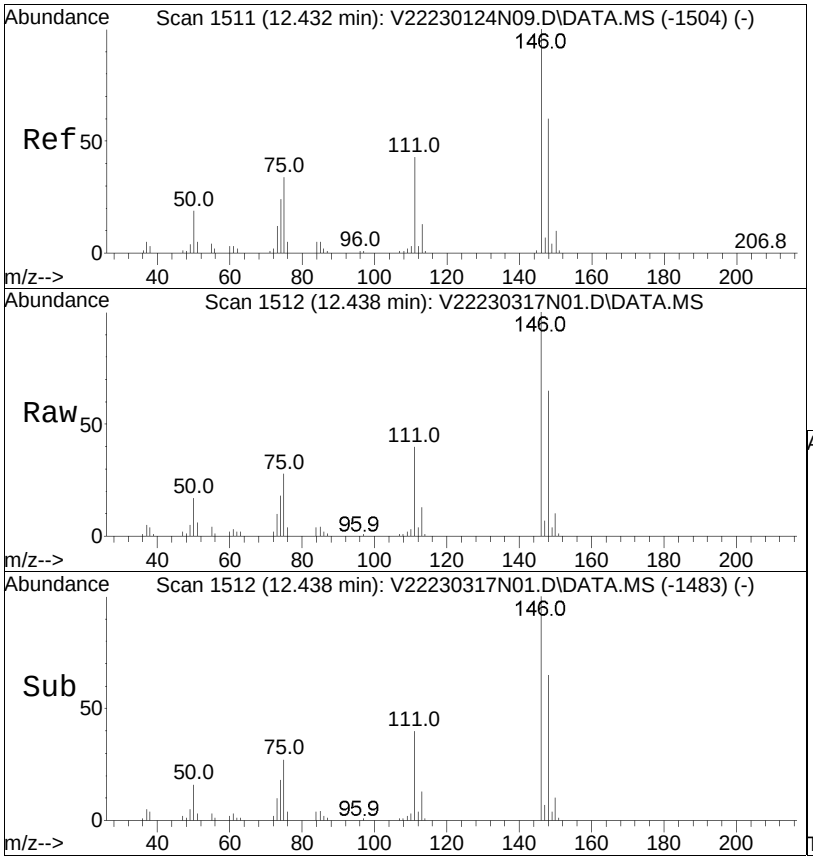


#103
p-Isopropyltoluene
Concen: 9.76 ug/L
RT: 12.369 min Scan# 1502
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:119 Resp: 202937

Ion	Ratio	Lower	Upper
119	100		
134	26.5	17.7	36.7
91	22.3	14.1	29.3

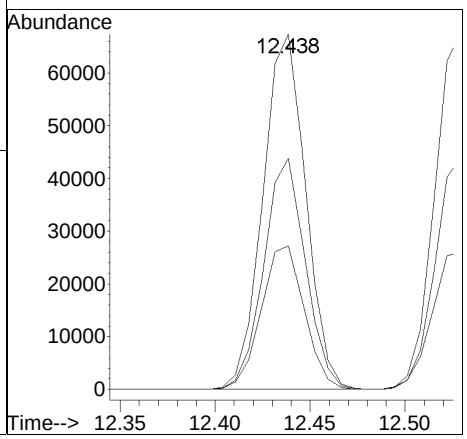


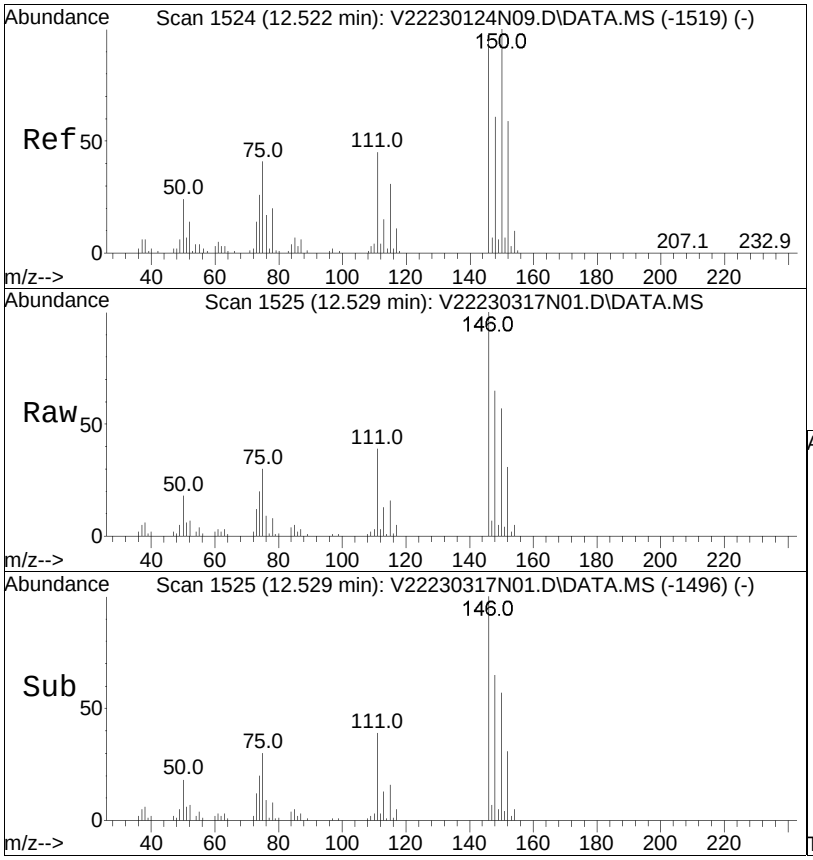


#104
1,3-Dichlorobenzene
Concen: 9.66 ug/L
RT: 12.438 min Scan# 1512
Delta R.T. -0.001 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:146 Resp: 105507

Ion	Ratio	Lower	Upper
146	100		
111	40.8	24.0	49.8
148	63.4	41.8	86.8

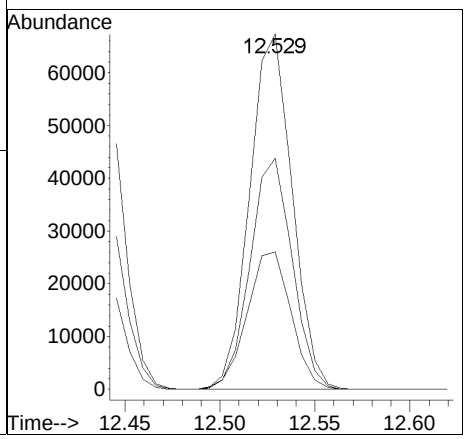


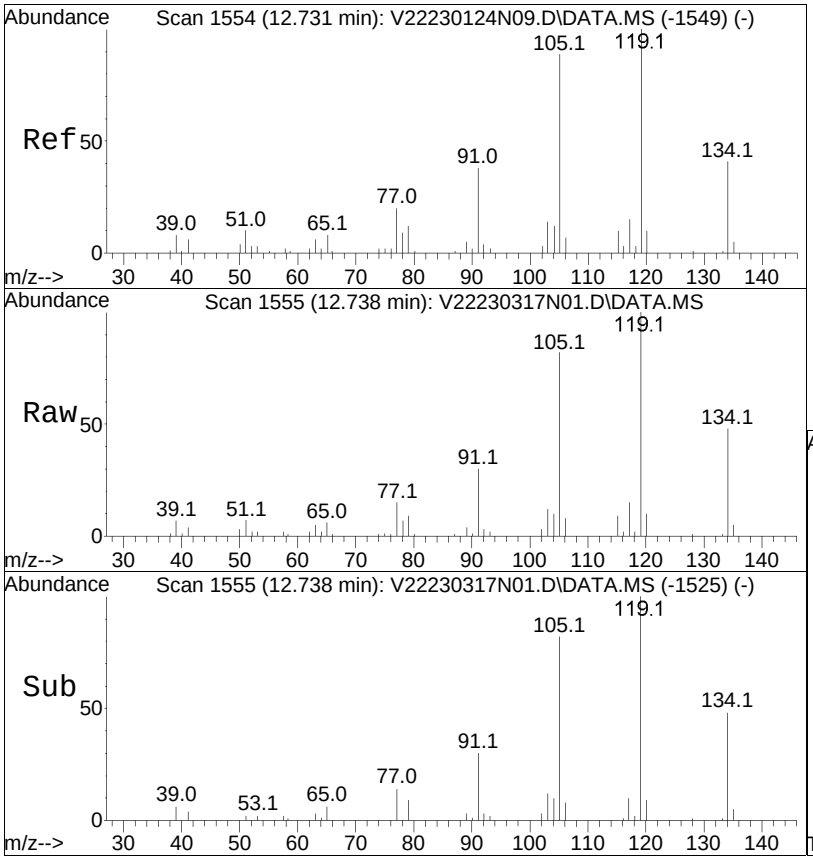


#105
1,4-Dichlorobenzene
Concen: 9.69 ug/L
RT: 12.529 min Scan# 1525
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:146 Resp: 104999

Ion	Ratio	Lower	Upper
146	100		
111	40.2	28.9	43.3
148	64.6	51.4	77.2

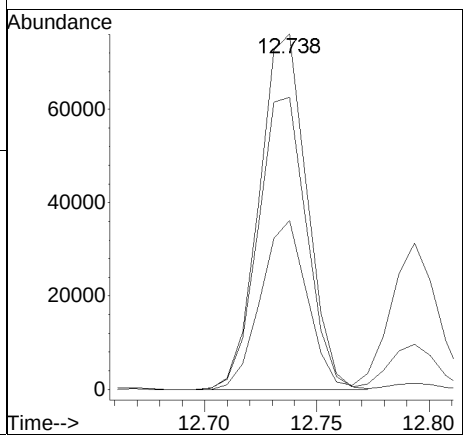


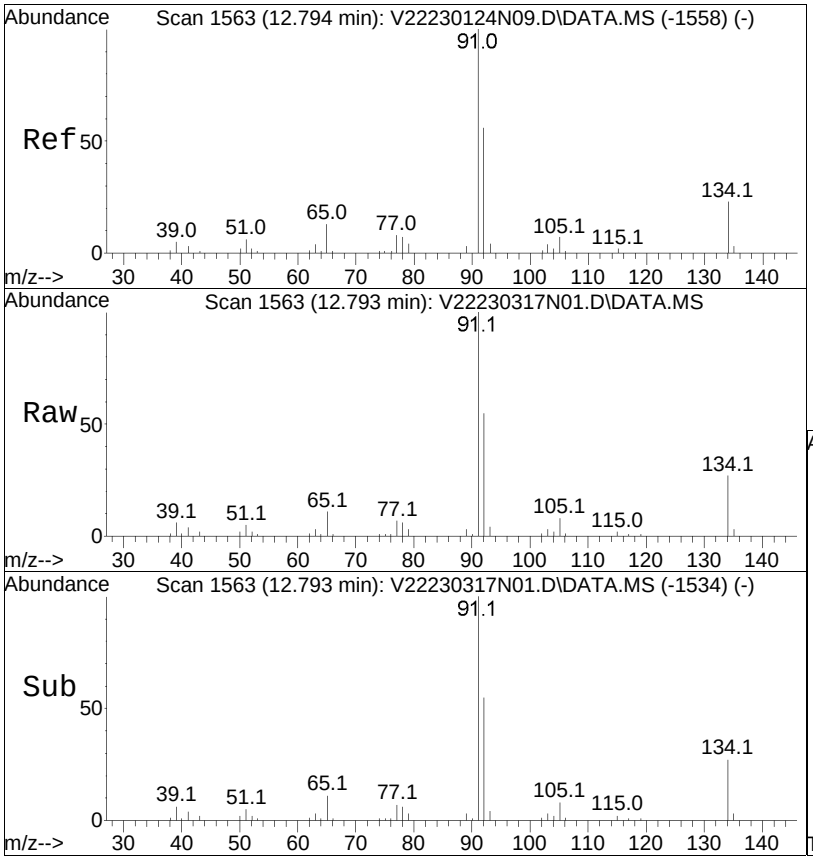


#106
p-Diethylbenzene
Concen: 9.39 ug/L
RT: 12.738 min Scan# 1555
Delta R.T. 0.007 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:119 Resp: 112510

Ion	Ratio	Lower	Upper
119	100		
105	83.6	53.4	110.8
134	46.5	30.9	64.1

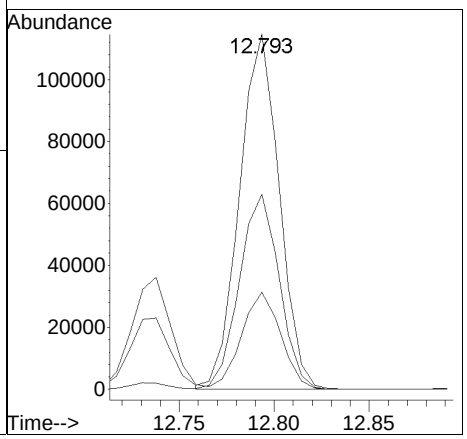


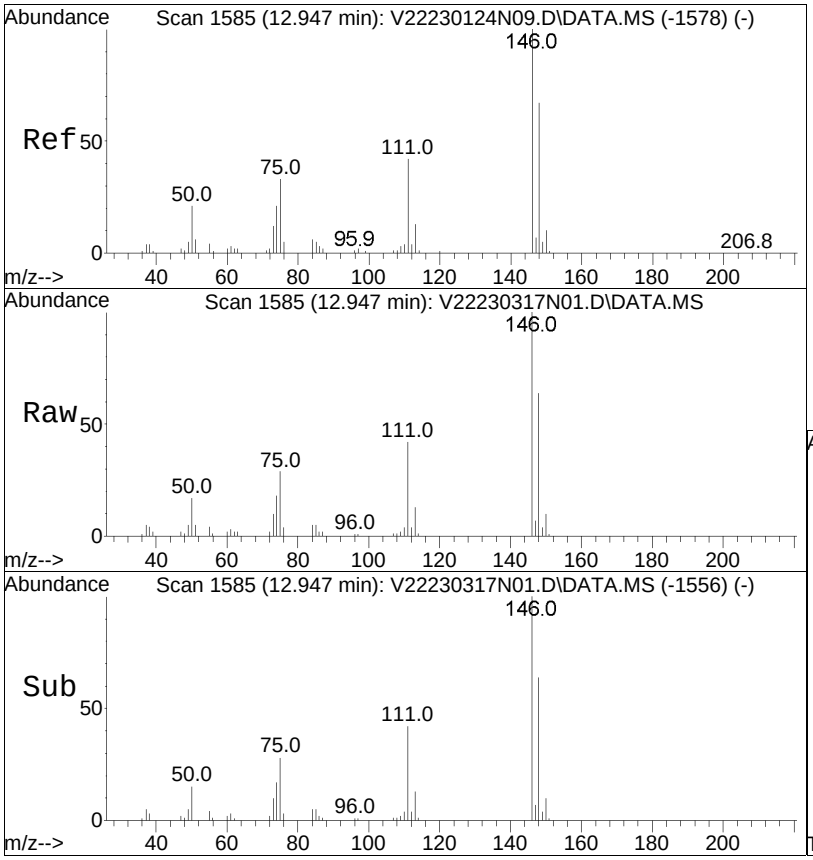


#107
n-Butylbenzene
Concen: 9.57 ug/L
RT: 12.793 min Scan# 1563
Delta R.T. -0.001 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion: 91 Resp: 167167

Ion	Ratio	Lower	Upper
91	100		
92	55.1	44.6	66.8
134	26.9	22.9	34.3

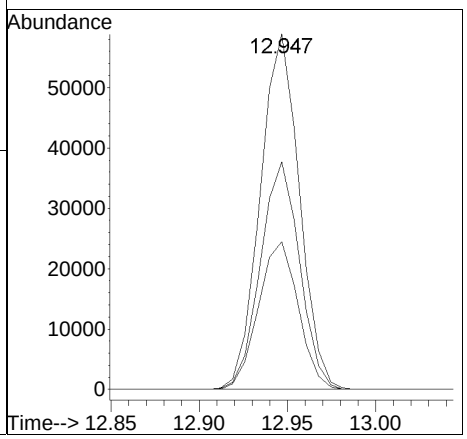


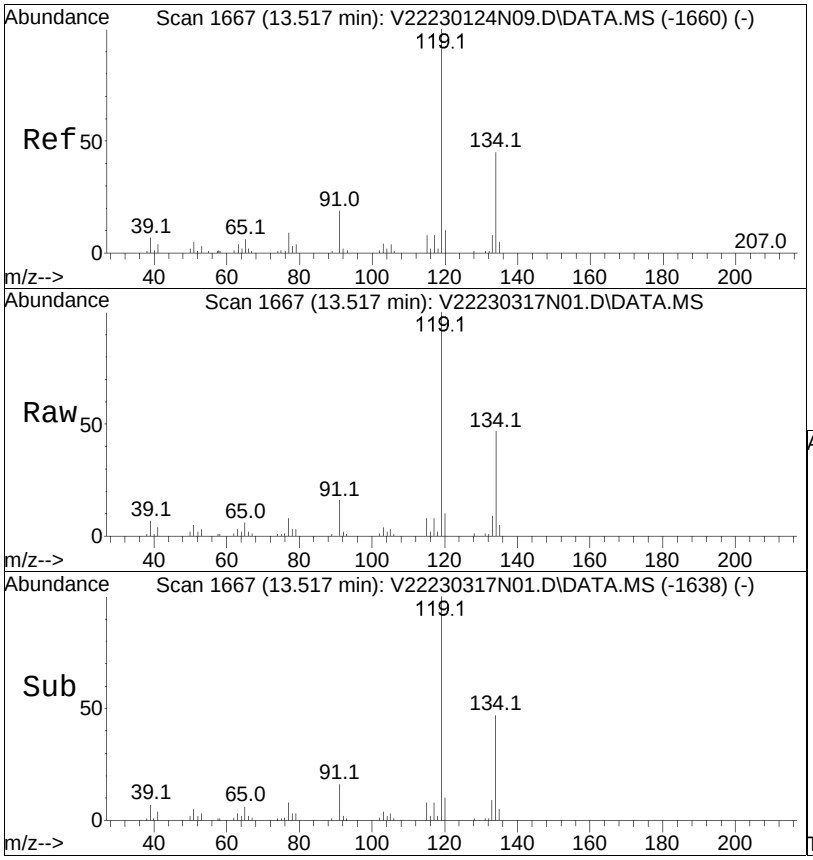


#108
1,2-Dichlorobenzene
Concen: 9.49 ug/L
RT: 12.947 min Scan# 1585
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:146 Resp: 91045

Ion	Ratio	Lower	Upper
146	100		
111	42.2	24.8	51.6
148	64.0	42.2	87.6

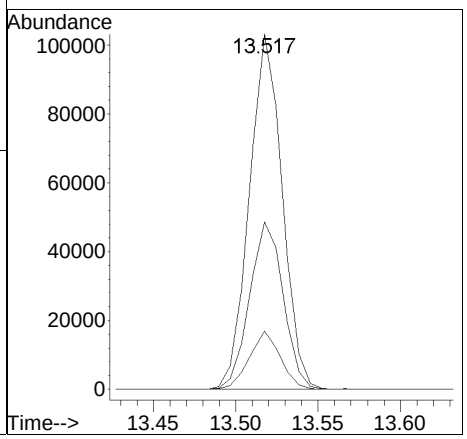


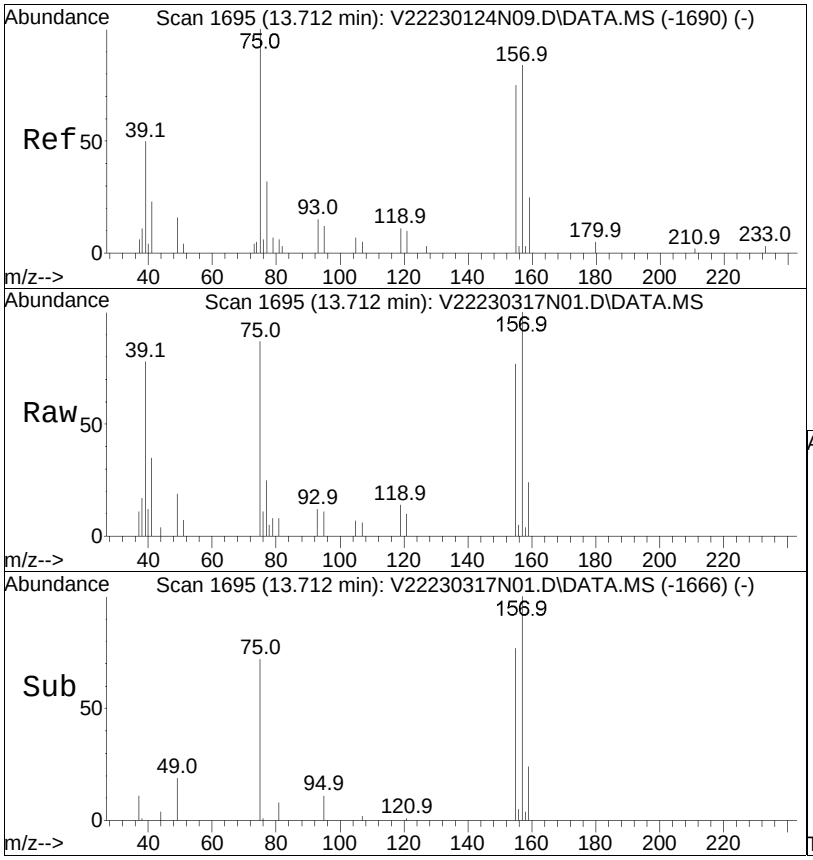


#109
1,2,4,5-Tetramethylbenzene
Concen: 9.27 ug/L
RT: 13.517 min Scan# 1667
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:119 Resp: 143444

Ion	Ratio	Lower	Upper
119	100		
134	48.2	31.9	66.1
91	15.6	9.8	20.3

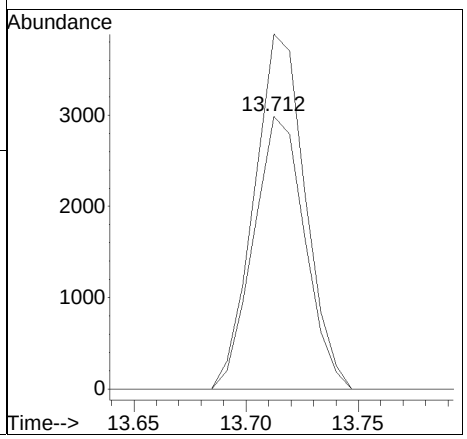


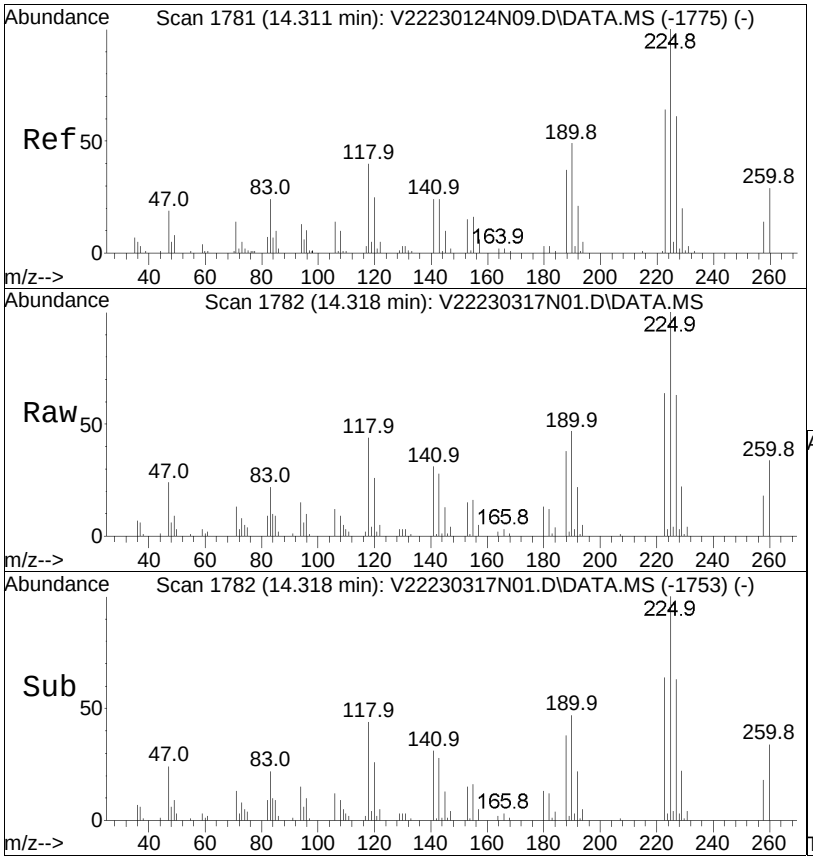


#110
1,2-Dibromo-3-chloropropane
Concen: 8.12 ug/L
RT: 13.712 min Scan# 1695
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:155 Resp: 4748

Ion	Ratio	Lower	Upper
155	100		
157	129.8	102.3	153.5

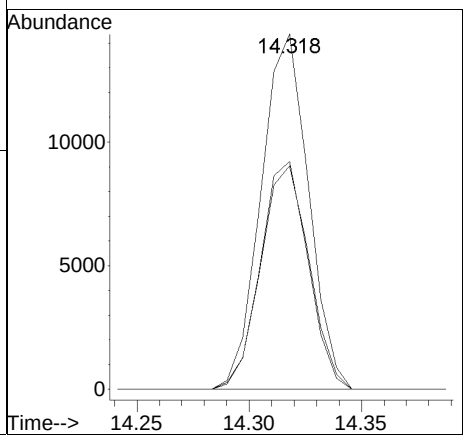


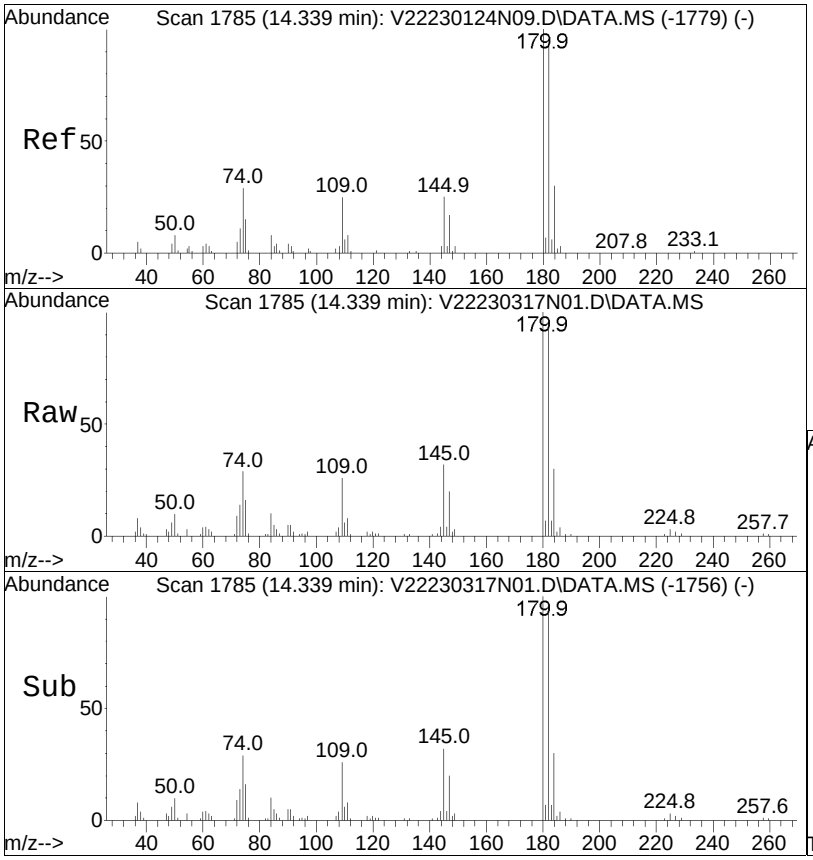


#112
Hexachlorobutadiene
Concen: 9.81 ug/L
RT: 14.318 min Scan# 1782
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:225 Resp: 21146

Ion	Ratio	Lower	Upper
225	100		
223	64.3	49.8	74.8
227	64.3	52.2	78.4

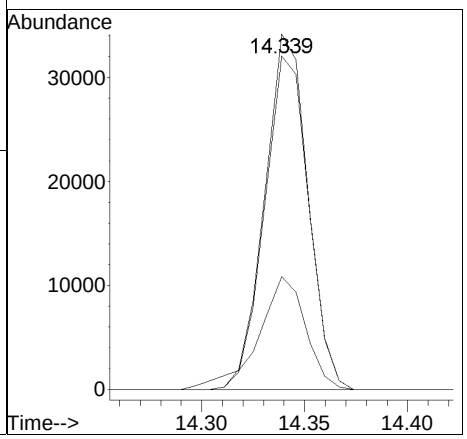


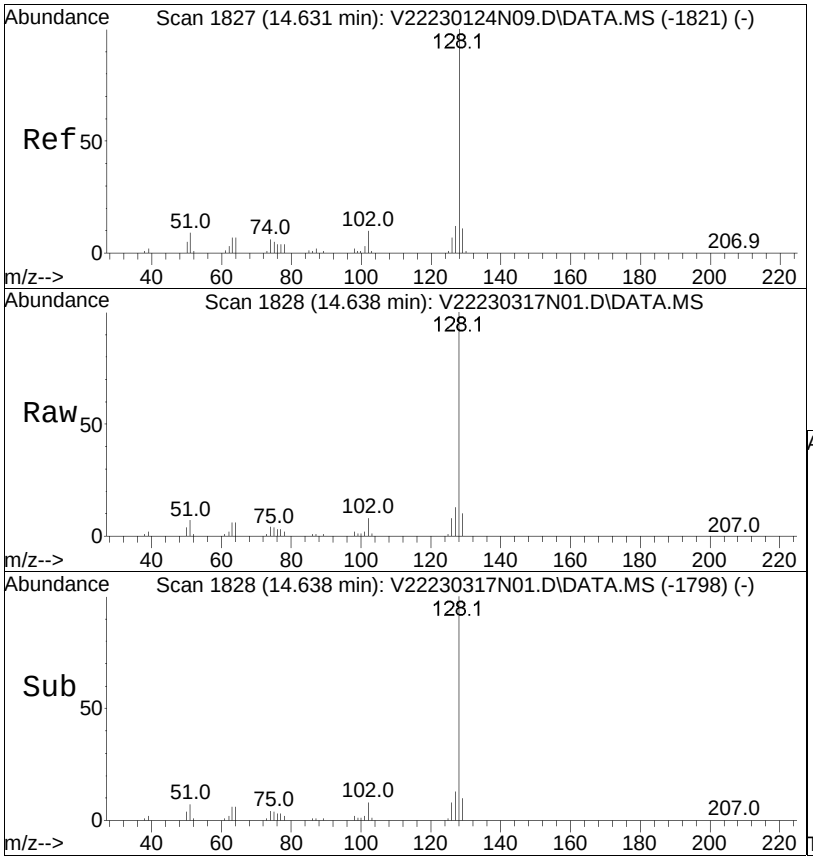


#113
1,2,4-Trichlorobenzene
Concen: 9.50 ug/L
RT: 14.339 min Scan# 1785
Delta R.T. -0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:180 Resp: 50049

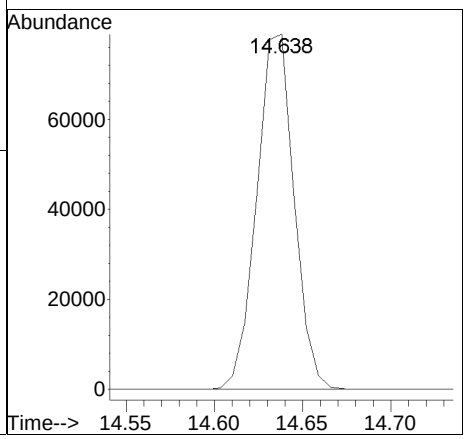
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	114.8
145	34.5	25.5	38.3

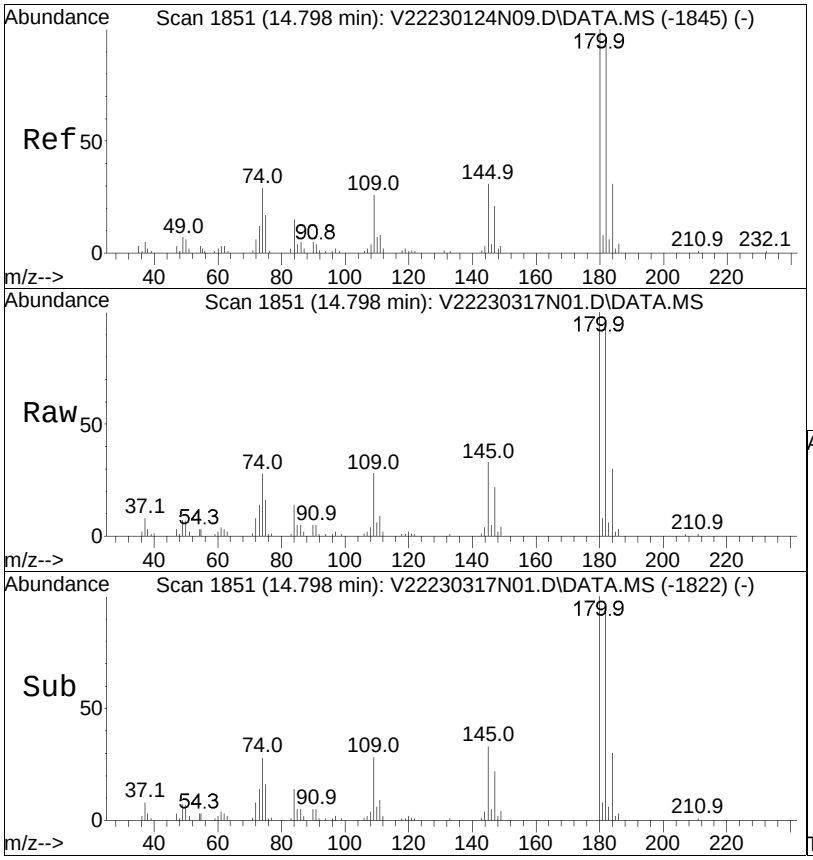




#114
Naphthalene
Concen: 9.57 ug/L
RT: 14.638 min Scan# 1828
Delta R.T. 0.007 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:128 Resp: 116433

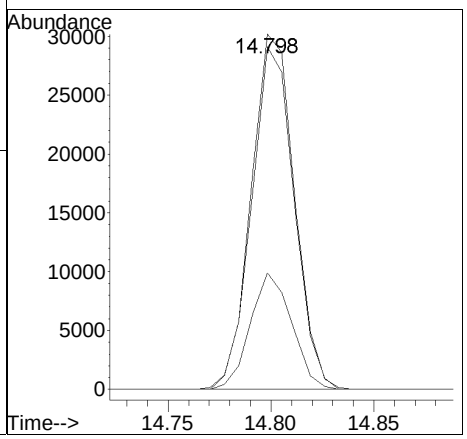




#115
1,2,3-Trichlorobenzene
Concen: 9.61 ug/L
RT: 14.798 min Scan# 1851
Delta R.T. 0.000 min
Lab File: V22230317N01.D
Acq: 17 Mar 2023 06:55 pm

Tgt Ion:180 Resp: 44066

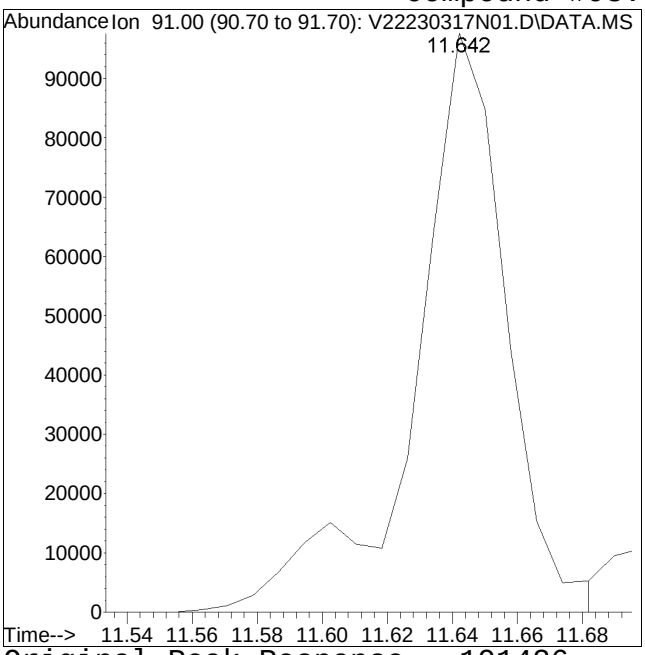
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
145	31.4	23.8	35.8



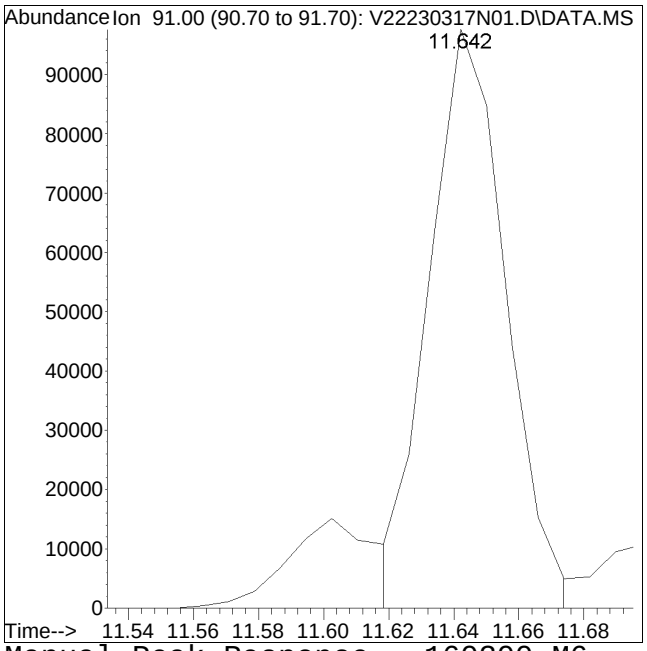
Manual Integration Report

Data Path : I:\VOLATILES\VOA122\2023\2QMethod : V122_230313A_8260.m
Data File : V22230317N01.D Operator : VOA122:PID
Date Inj'd : 3/17/2023 6:55 pm Instrument : VOA122
Sample : WG1756621-3,31,10,10 Quant Date : 3/17/2023 7:22 pm

Compound #93: 2-Chlorotoluene



Original Peak Response = 191426



Manual Peak Response = 160300 M6

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N02.D
Acq On : 17 Mar 2023 3:41 pm
Operator : VOA104:TMS
Sample : WG1756211-3,31,5,5
Misc : WG1756211,ICAL19666
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 17 16:03:11 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.539	96	161589	20.000	ug/L	0.00
Standard Area 1 = 175009			Recovery = 92.33%			
59) Chlorobenzene-d5	9.015	117	133206	20.000	ug/L	0.00
Standard Area 1 = 143112			Recovery = 93.08%			
79) 1,4-Dichlorobenzene-d4	11.815	152	80563	20.000	ug/L	0.00
Standard Area 1 = 87180			Recovery = 92.41%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.763	113	48160	17.258	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 86.29%			
43) 1,2-Dichloroethane-d4	5.267	65	40787	18.333	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.66%			
60) Toluene-d8	7.191	98	168733	21.046	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.23%			
83) 4-Bromofluorobenzene	10.562	95	68066	19.563	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.81%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.476	85	143046	39.399	ug/L	99
3) Chloromethane	1.638	50	178848	26.702	ug/L	100
4) Vinyl chloride	1.701	62	156697	33.544	ug/L	99
5) Bromomethane	1.974	94	104958	45.217	ug/L	97
6) Chloroethane	2.079	64	93729	48.364	ug/L	96
7) Trichlorofluoromethane	2.194	101	222478	44.706	ug/L	99
8) Ethyl ether	2.456	74	38289	35.546	ug/L	99
10) 1,1-Dichloroethene	2.640	96	122201	38.708	ug/L	98
11) Carbon disulfide	2.666	76	426607	63.735	ug/L	99
15) Methylene chloride	3.154	84	129677	36.696	ug/L	97
17) Acetone	3.196	43	19766	29.296	ug/L	100
18) trans-1,2-Dichloroethene	3.290	96	125397	38.376	ug/L	99
20) Methyl tert-butyl ether	3.369	73	189595	38.308	ug/L	97
23) 1,1-Dichloroethane	3.835	63	245948	34.413	ug/L	100
25) Acrylonitrile	3.898	53	21078	29.359	ug/L #	86
27) Vinyl acetate	4.066	43	154704	31.729	ug/L	100
28) cis-1,2-Dichloroethene	4.333	96	129779	36.348	ug/L	99
29) 2,2-Dichloropropane	4.422	77	206622	42.659	ug/L	96
30) Bromochloromethane	4.522	128	61538	38.610	ug/L	99
32) Chloroform	4.590	83	215875	37.388	ug/L	97

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N02.D
Acq On : 17 Mar 2023 3:41 pm
Operator : VOA104:TMS
Sample : WG1756211-3,31,5,5
Misc : WG1756211,ICAL19666
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 17 16:03:11 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	4.706	117	178501	43.974	ug/L		99
37) 1,1,1-Trichloroethane	4.769	97	201037	44.283	ug/L		98
39) 2-Butanone	4.879	43	25867	32.236	ug/L	#	74
40) 1,1-Dichloropropene	4.889	75	158912	42.405	ug/L		99
41) Benzene	5.125	78	419013	38.944	ug/L		99
44) 1,2-Dichloroethane	5.335	62	143715	37.466	ug/L		100
48) Trichloroethene	5.712	95	125581	43.826	ug/L		99
50) Dibromomethane	6.147	93	63221	37.816	ug/L		98
51) 1,2-Dichloropropane	6.242	63	116967	34.892	ug/L		98
54) Bromodichloromethane	6.320	83	155566	38.859	ug/L		100
57) 1,4-Dioxane	6.530	88	41101	1843.358	ug/L		96
58) cis-1,3-Dichloropropene	6.997	75	169105	41.138	ug/L		98
61) Toluene	7.248	92	275493	43.613	ug/L		100
62) 4-Methyl-2-pentanone	7.694	58	23770	33.117	ug/L		95
63) Tetrachloroethene	7.689	166	143094	47.255	ug/L		99
65) trans-1,3-Dichloropropene	7.741	75	145093	40.592	ug/L		100
68) 1,1,2-Trichloroethane	7.925	83	65565	38.704	ug/L		99
69) Chlorodibromomethane	8.129	129	110466	44.908	ug/L		100
70) 1,3-Dichloropropane	8.239	76	132350	41.485	ug/L		100
71) 1,2-Dibromoethane	8.391	107	83263	41.007	ug/L		100
72) 2-Hexanone	8.696	43	46063	31.821	ug/L		98
73) Chlorobenzene	9.031	112	337458	45.149	ug/L		98
74) Ethylbenzene	9.073	91	574907	45.594	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.120	131	114605	47.389	ug/L		99
76) p/m Xylene	9.257	106	454458	94.993	ug/L		97
77) o Xylene	9.802	106	438170	95.406	ug/L		98
78) Styrene	9.875	104	717075	98.410	ug/L		97
80) Bromoform	9.907	173	70280	42.382	ug/L		100
82) Isopropylbenzene	10.211	105	597873	46.835	ug/L		99
84) Bromobenzene	10.672	156	154973	45.347	ug/L		100
85) n-Propylbenzene	10.719	91	723839	46.143	ug/L		100
87) 1,1,2,2-Tetrachloroethane	10.835	83	102340	40.011	ug/L		99
88) 4-Ethyltoluene	10.850	105	605332	47.003	ug/L		99
89) 2-Chlorotoluene	10.892	91	425979	45.899	ug/L		100
90) 1,3,5-Trimethylbenzene	10.961	105	504071	46.138	ug/L		99
91) 1,2,3-Trichloropropane	10.971	75	75823	40.499	ug/L		98
92) trans-1,4-Dichloro-2-b...	11.034	53	30773	39.177	ug/L		94
93) 4-Chlorotoluene	11.086	91	435379	45.822	ug/L		99
94) tert-Butylbenzene	11.307	119	453054	47.495	ug/L		100

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N02.D
Acq On : 17 Mar 2023 3:41 pm
Operator : VOA104:TMS
Sample : WG1756211-3,31,5,5
Misc : WG1756211,ICAL19666
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 17 16:03:11 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	11.390	105	499014	46.200	ug/L	100
98)	sec-Butylbenzene	11.506	105	684396	47.319	ug/L	99
99)	p-Isopropyltoluene	11.668	119	599465	48.437	ug/L	98
100)	1,3-Dichlorobenzene	11.731	146	311212	47.039	ug/L	100
101)	1,4-Dichlorobenzene	11.831	146	312690	45.672	ug/L	99
102)	p-Diethylbenzene	12.051	119	362515	47.976	ug/L	99
103)	n-Butylbenzene	12.109	91	535518	48.271	ug/L	99
104)	1,2-Dichlorobenzene	12.261	146	284453	46.062	ug/L	99
105)	1,2,4,5-Tetramethylben...	12.864	119	562355	47.773	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.063	155	18373	41.478	ug/L	99
108)	Hexachlorobutadiene	13.666	225	141528	53.568	ug/L	99
109)	1,2,4-Trichlorobenzene	13.692	180	219582	49.313	ug/L	99
110)	Naphthalene	13.986	128	354668	42.069	ug/L	100
111)	1,2,3-Trichlorobenzene	14.154	180	183705	46.520	ug/L	98

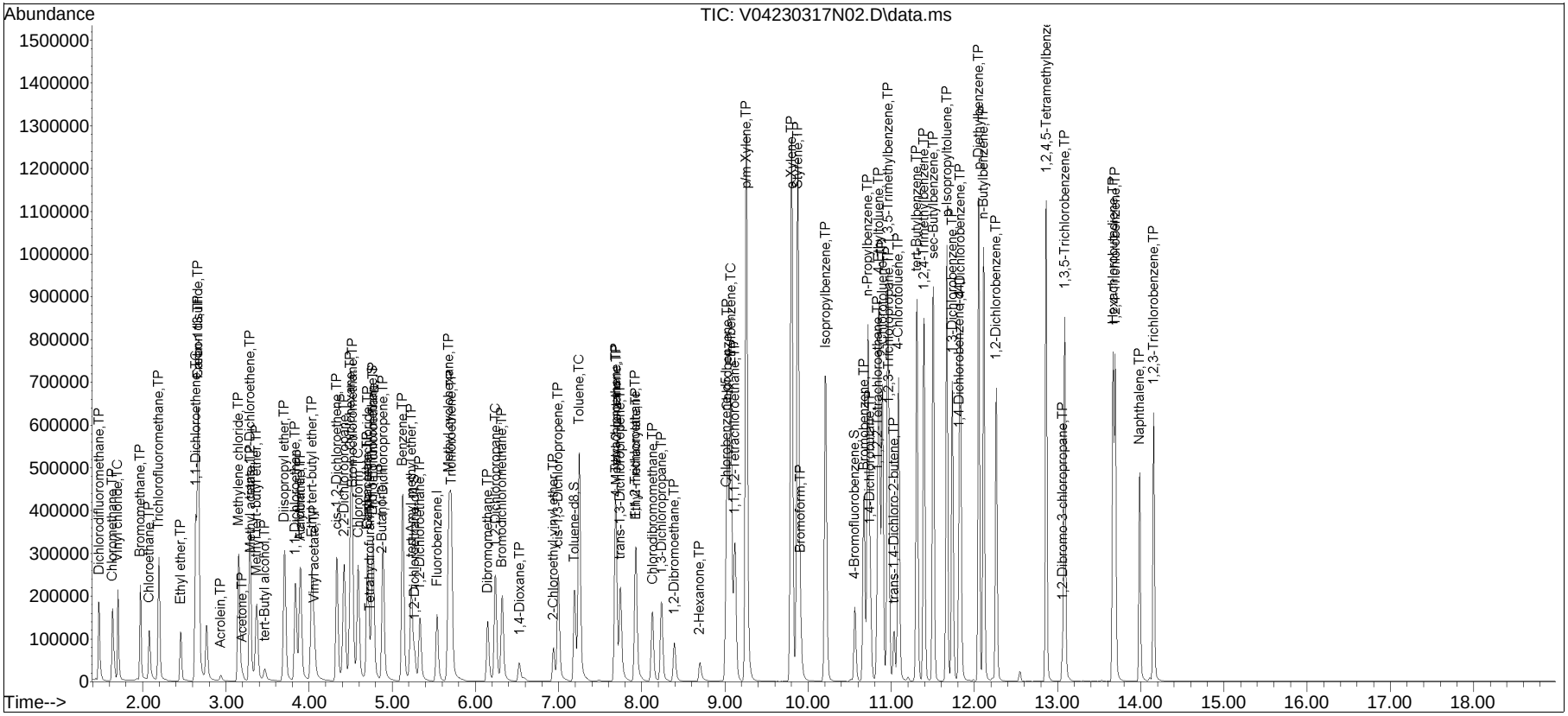
(#) = qualifier out of range (m) = manual integration (+) = signals summed

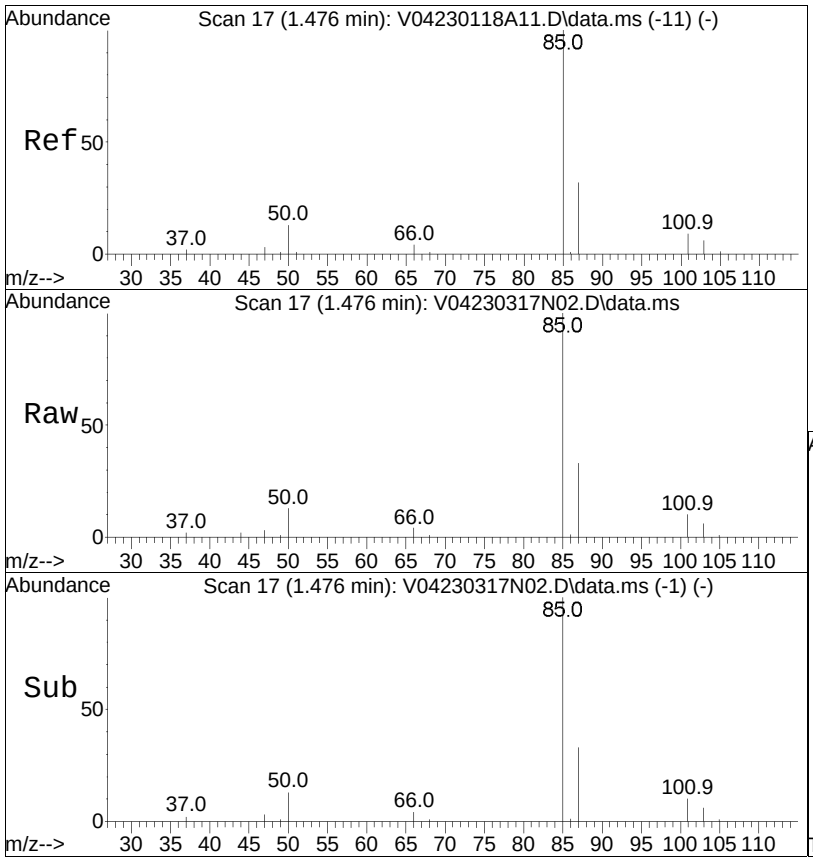
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N02.D
Acq On : 17 Mar 2023 3:41 pm
Operator : VOA104:TMS
Sample : WG1756211-3,31,5,5
Misc : WG1756211,ICAL19666
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 17 16:03:11 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox7N\V04230317N01.D•

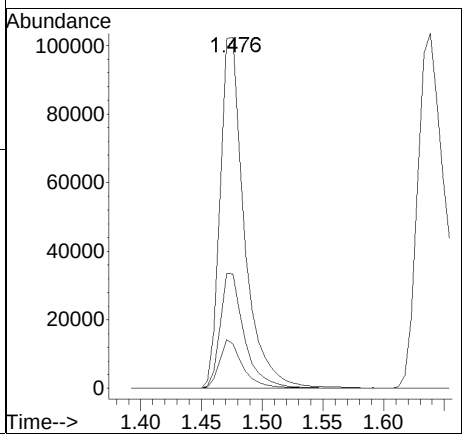


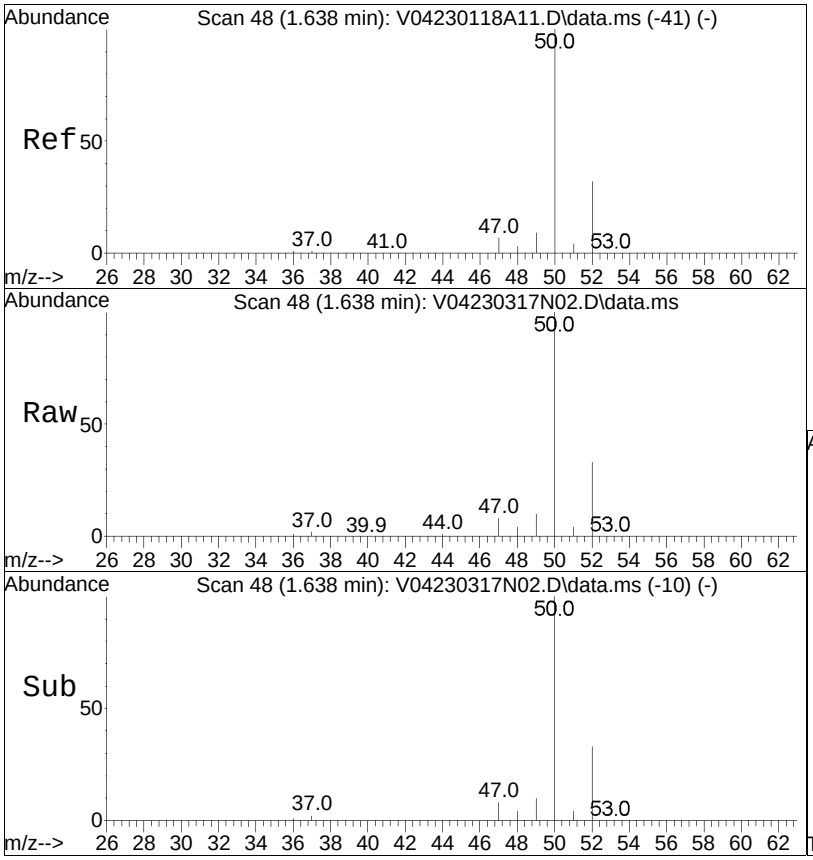


#2
Dichlorodifluoromethane
Concen: 39.40 ug/L
RT: 1.476 min Scan# 17
Delta R.T. 0.005 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 85 Resp: 143046

Ion	Ratio	Lower	Upper
85	100		
87	32.6	20.9	43.5
50	13.3	8.1	16.9

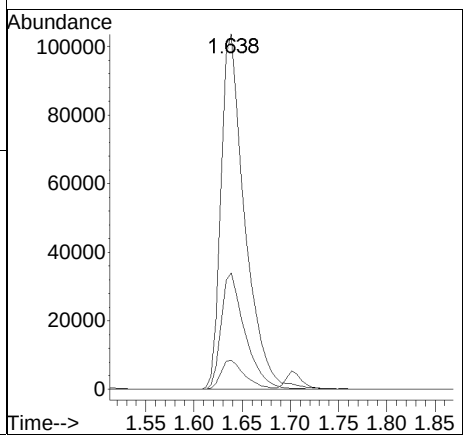


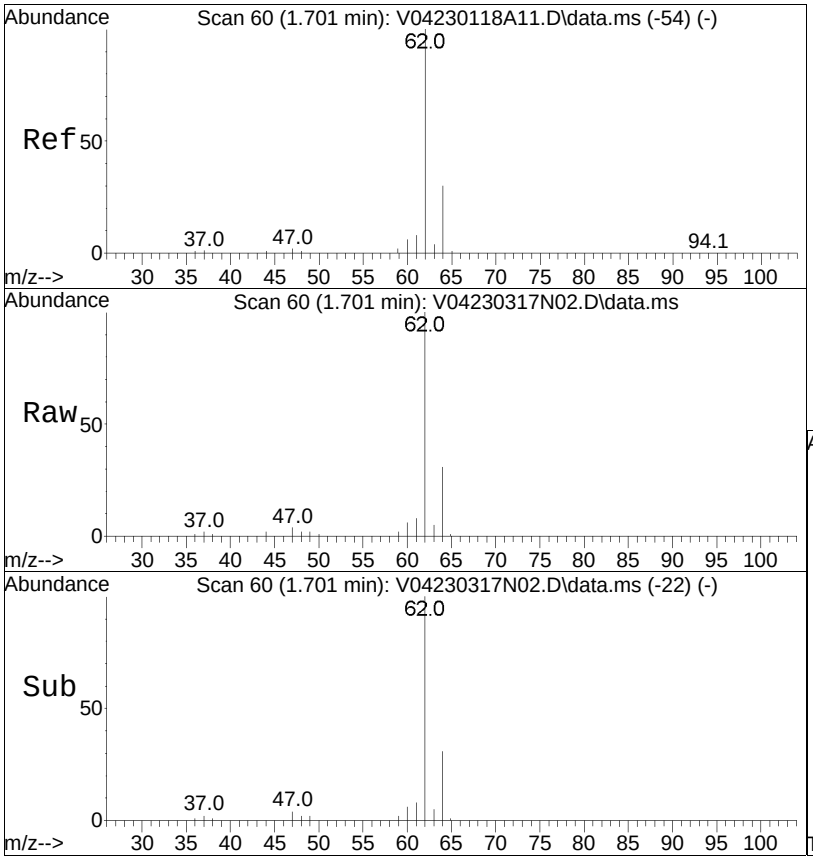


#3
Chloromethane
Concen: 26.70 ug/L
RT: 1.638 min Scan# 48
Delta R.T. -0.001 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 50 Resp: 178848

Ion	Ratio	Lower	Upper
50	100		
52	32.7	13.0	53.0
47	8.2	0.0	28.2

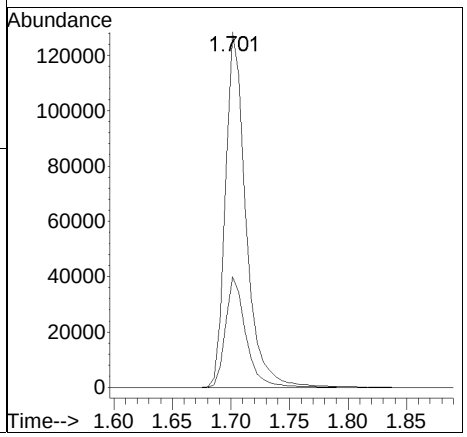


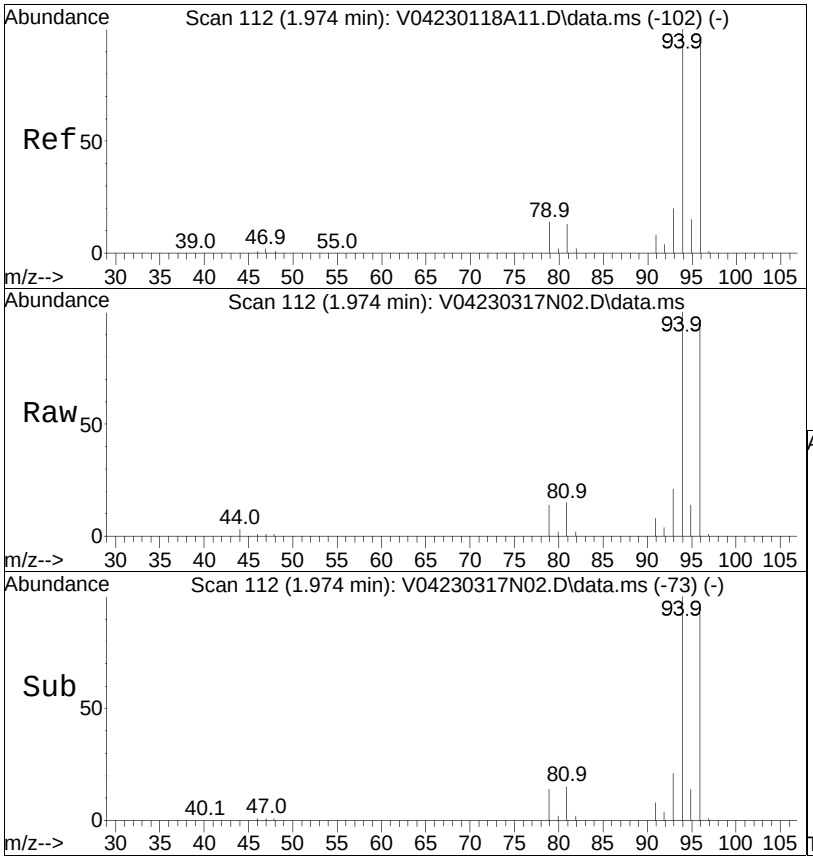


#4
Vinyl chloride
Concen: 33.54 ug/L
RT: 1.701 min Scan# 60
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 62 Resp: 156697

Ion	Ratio	Lower	Upper
62	100		
64	30.8	11.6	51.6

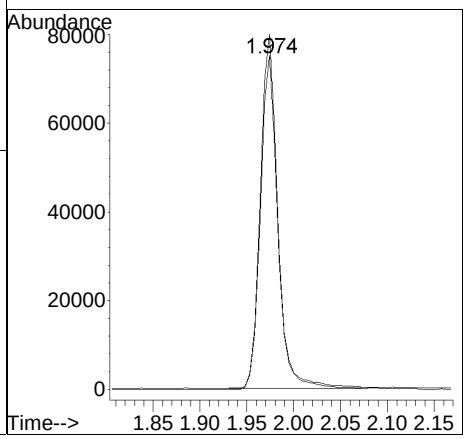


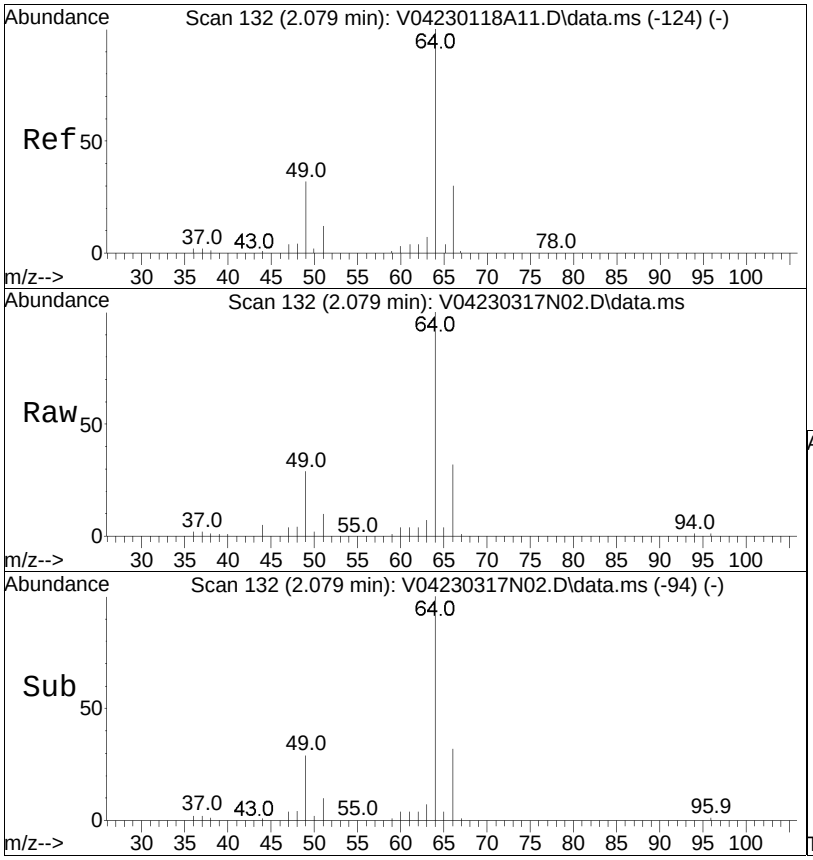


#5
Bromomethane
Concen: 45.22 ug/L
RT: 1.974 min Scan# 112
Delta R.T. 0.005 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 94 Resp: 104958

Ion	Ratio	Lower	Upper
94	100		
96	93.4	71.0	111.0

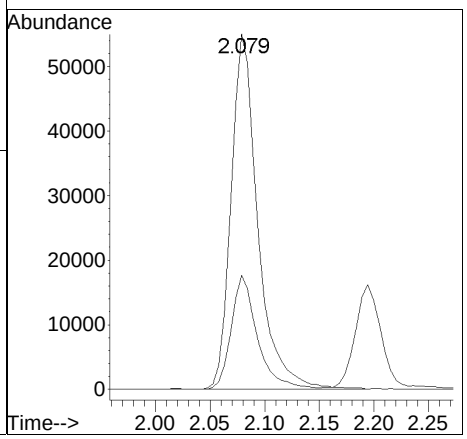


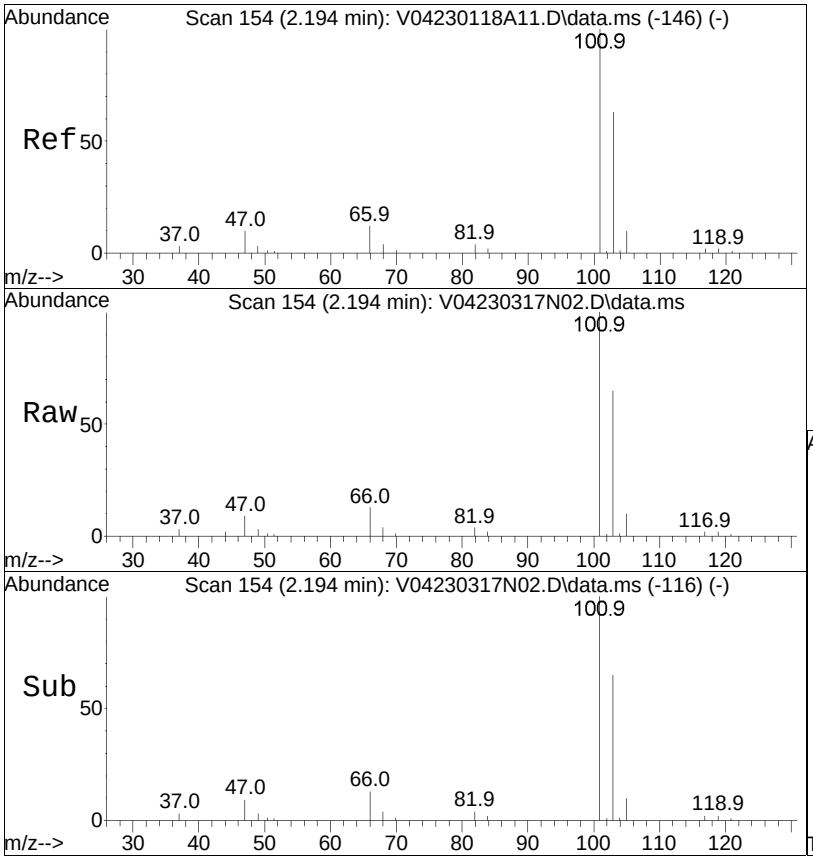


#6
Chloroethane
Concen: 48.36 ug/L
RT: 2.079 min Scan# 132
Delta R.T. -0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 64 Resp: 93729

Ion	Ratio	Lower	Upper
64	100		
66	31.5	13.7	53.7

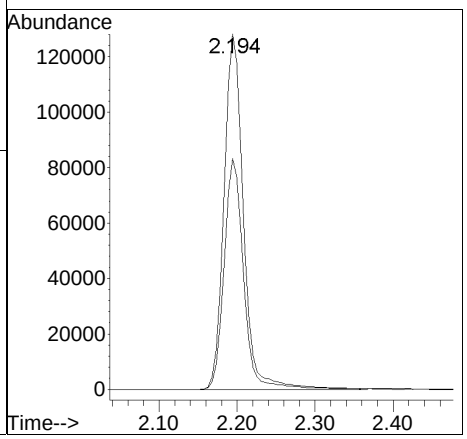


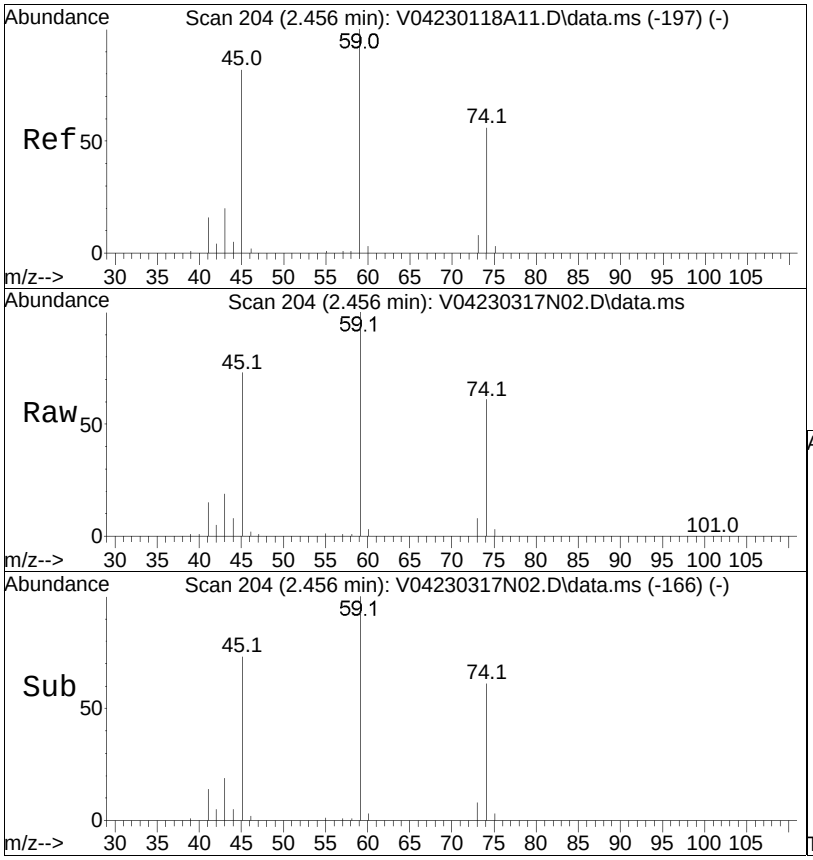


#7
Trichlorofluoromethane
Concen: 44.71 ug/L
RT: 2.194 min Scan# 154
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:101 Resp: 222478

Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.7	77.5

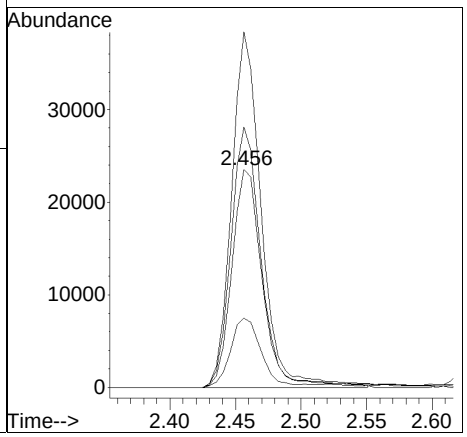


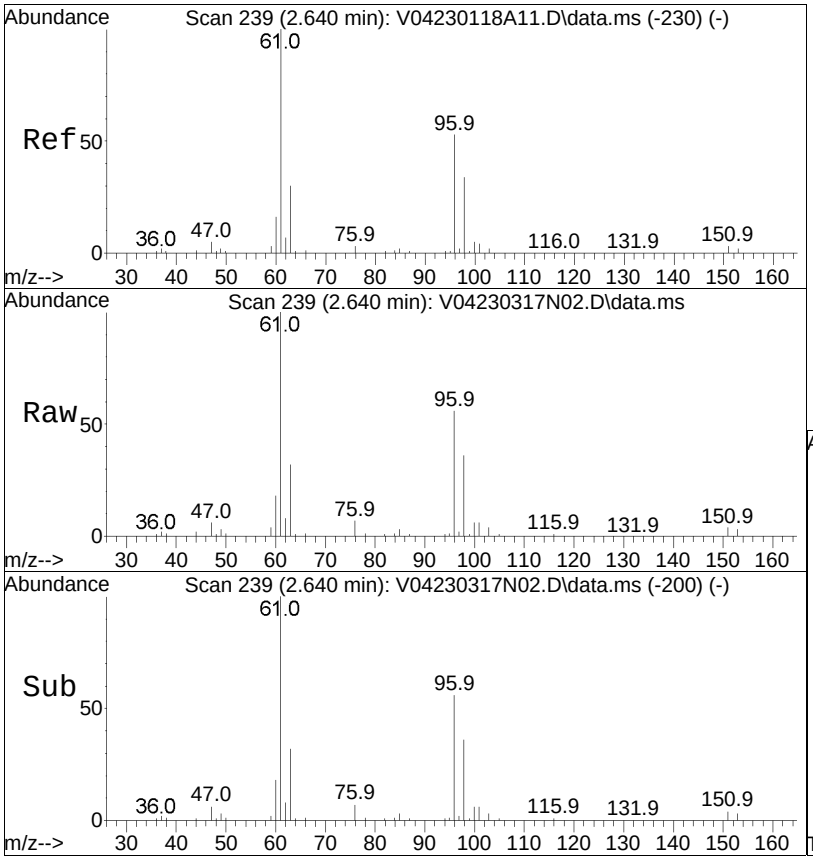


#8
Ethyl ether
Concen: 35.55 ug/L
RT: 2.456 min Scan# 204
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 74 Resp: 38289

Ion	Ratio	Lower	Upper
74	100		
59	159.7	104.7	217.4
45	119.6	77.2	160.4
43	32.4	21.2	44.0

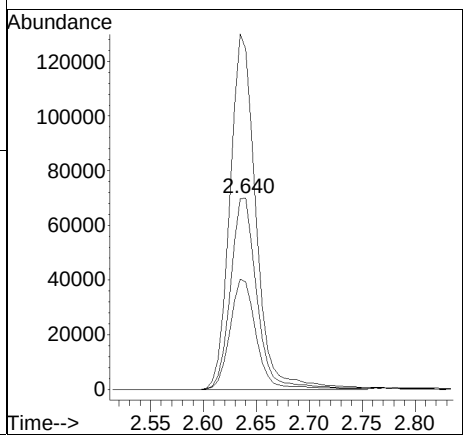


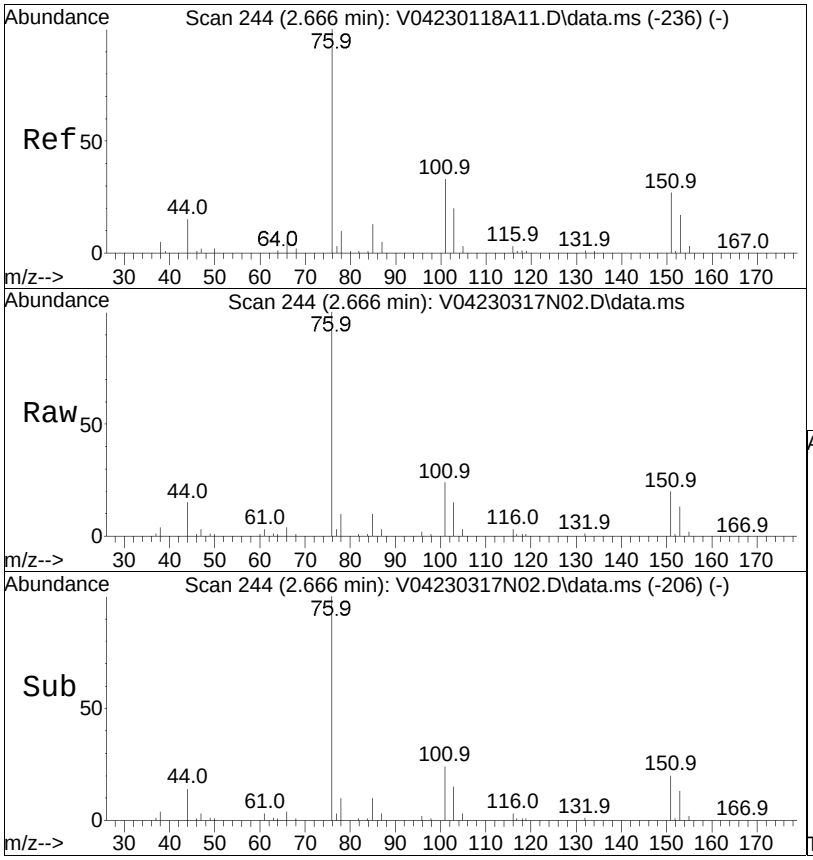


#10
1,1-Dichloroethene
Concen: 38.71 ug/L
RT: 2.640 min Scan# 239
Delta R.T. 0.005 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 96 Resp: 122201

Ion	Ratio	Lower	Upper
96	100		
61	184.9	145.8	218.6
63	57.4	46.6	69.8

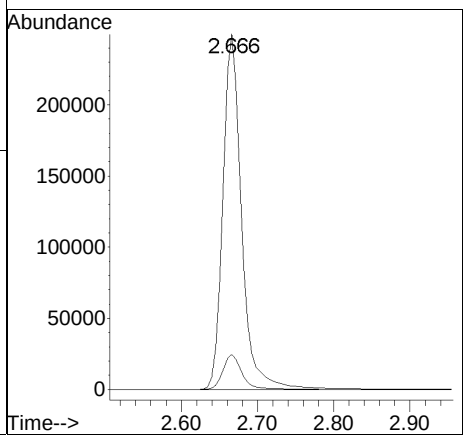


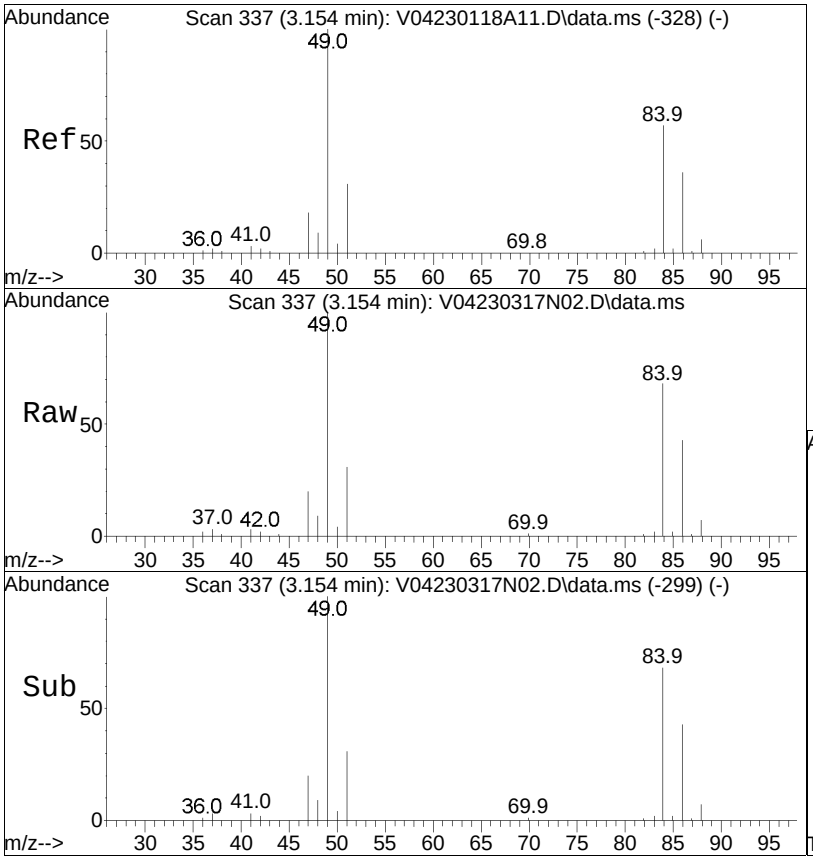


#11
Carbon disulfide
Concen: 63.74 ug/L
RT: 2.666 min Scan# 244
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 76 Resp: 426607

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.6	13.8

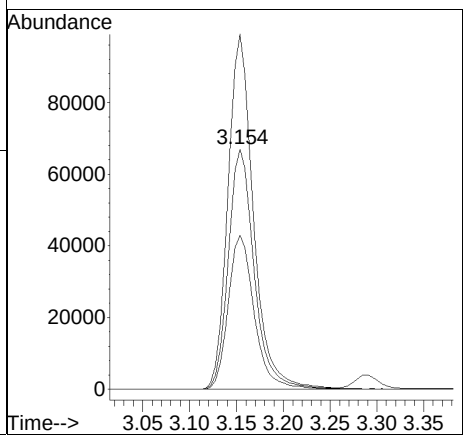


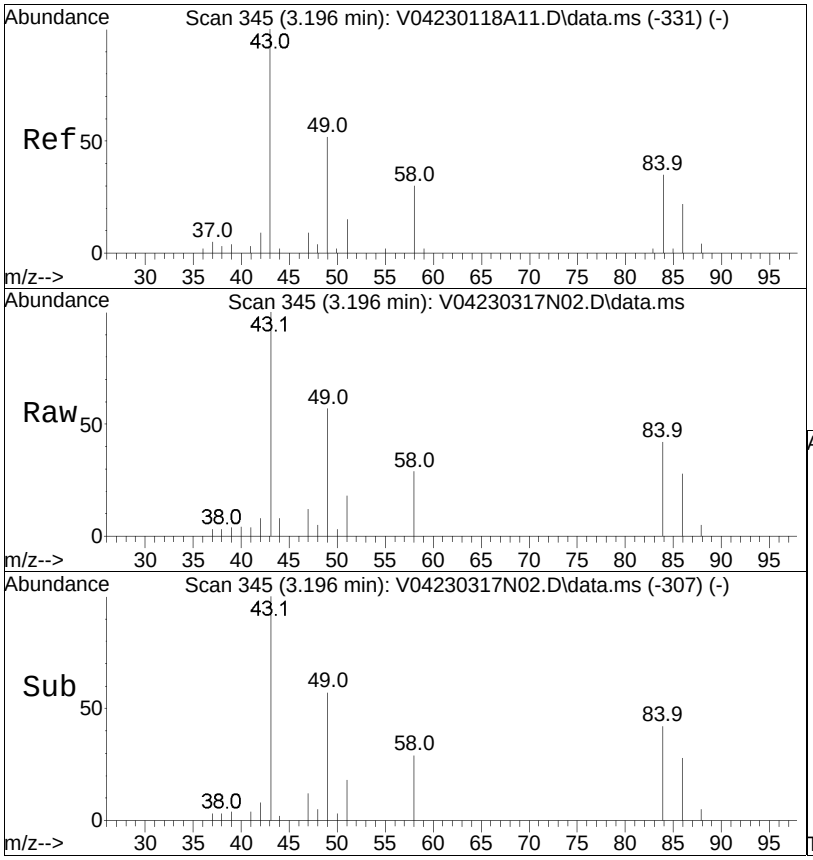


#15
Methylene chloride
Concen: 36.70 ug/L
RT: 3.154 min Scan# 337
Delta R.T. -0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 84 Resp: 129677

Ion	Ratio	Lower	Upper
84	100		
86	64.6	41.3	85.9
49	144.7	91.0	189.0

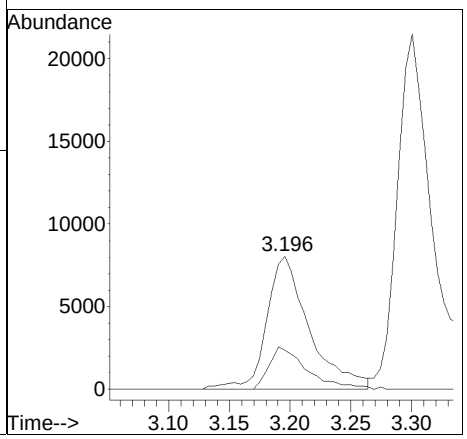


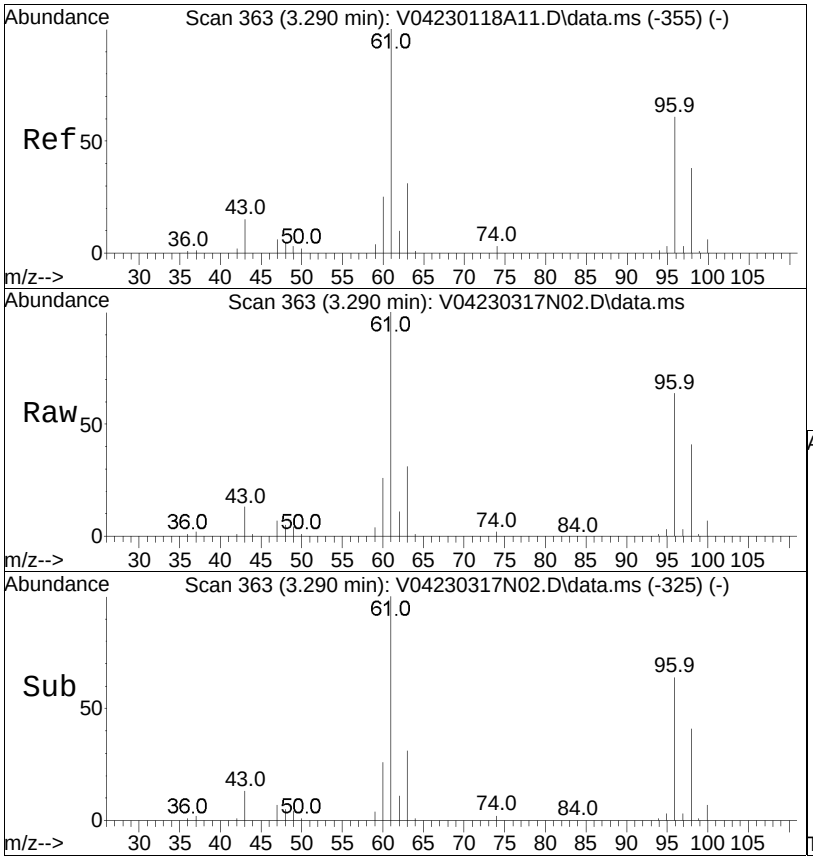


#17
Acetone
Concen: 29.30 ug/L
RT: 3.196 min Scan# 345
Delta R.T. -0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 43 Resp: 19766

Ion	Ratio	Lower	Upper
43	100		
58	28.8	23.2	34.8

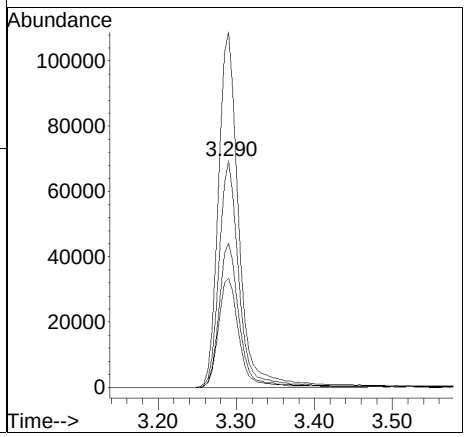


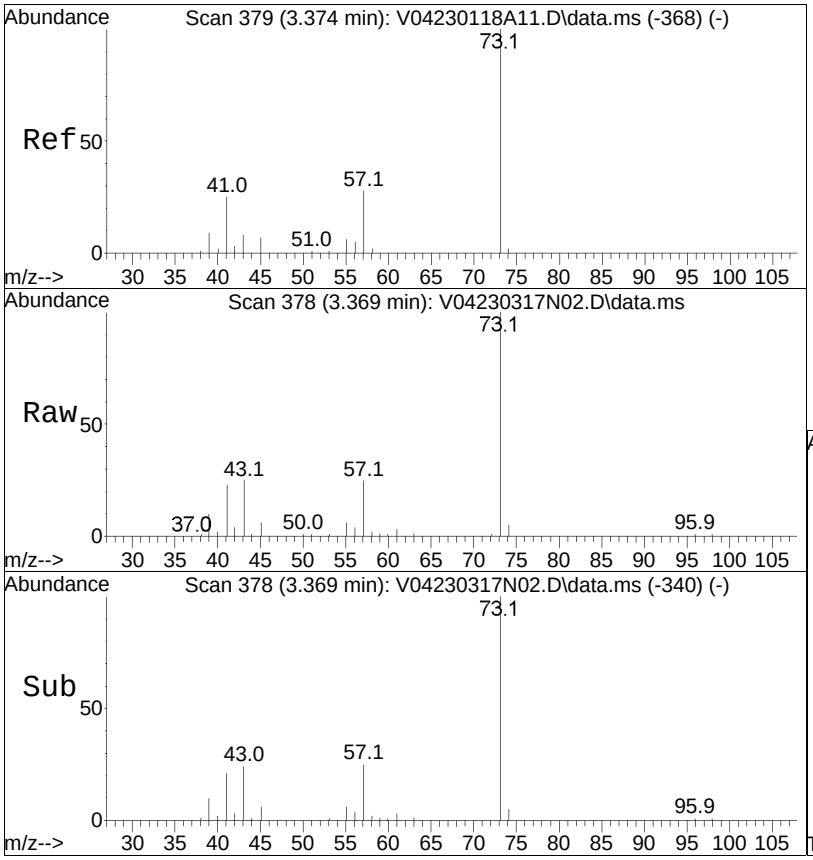


#18
trans-1,2-Dichloroethene
Concen: 38.38 ug/L
RT: 3.290 min Scan# 363
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 96 Resp: 125397

Ion	Ratio	Lower	Upper
96	100		
61	158.2	103.7	215.3
98	62.9	41.0	85.0
63	48.8	32.1	66.7

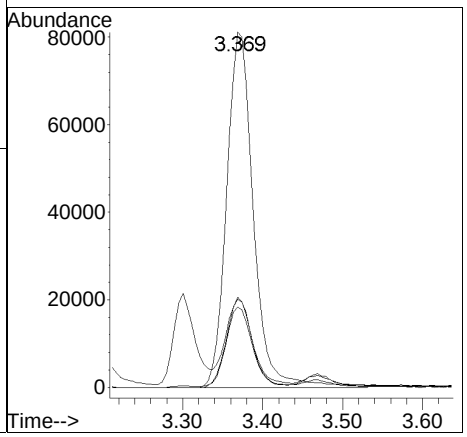


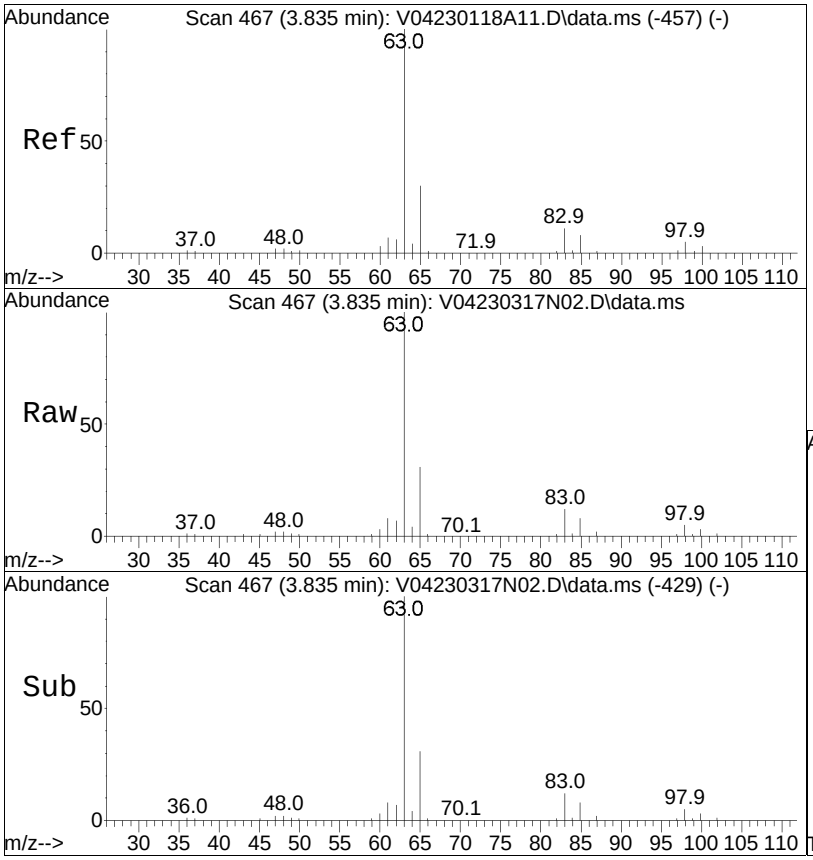


#20
Methyl tert-butyl ether
Concen: 38.31 ug/L
RT: 3.369 min Scan# 378
Delta R.T. -0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 73 Resp: 189595

Ion	Ratio	Lower	Upper
73	100		
57	24.3	16.3	33.9
43	24.2	14.7	30.5
41	21.9	15.4	32.0

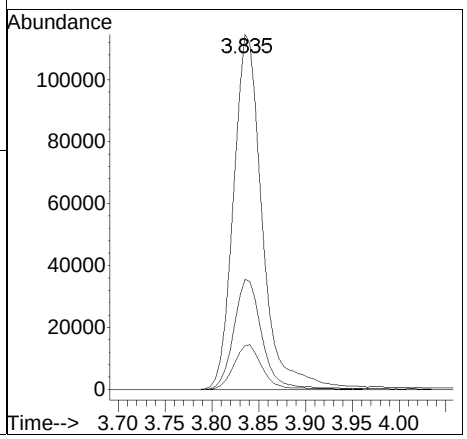


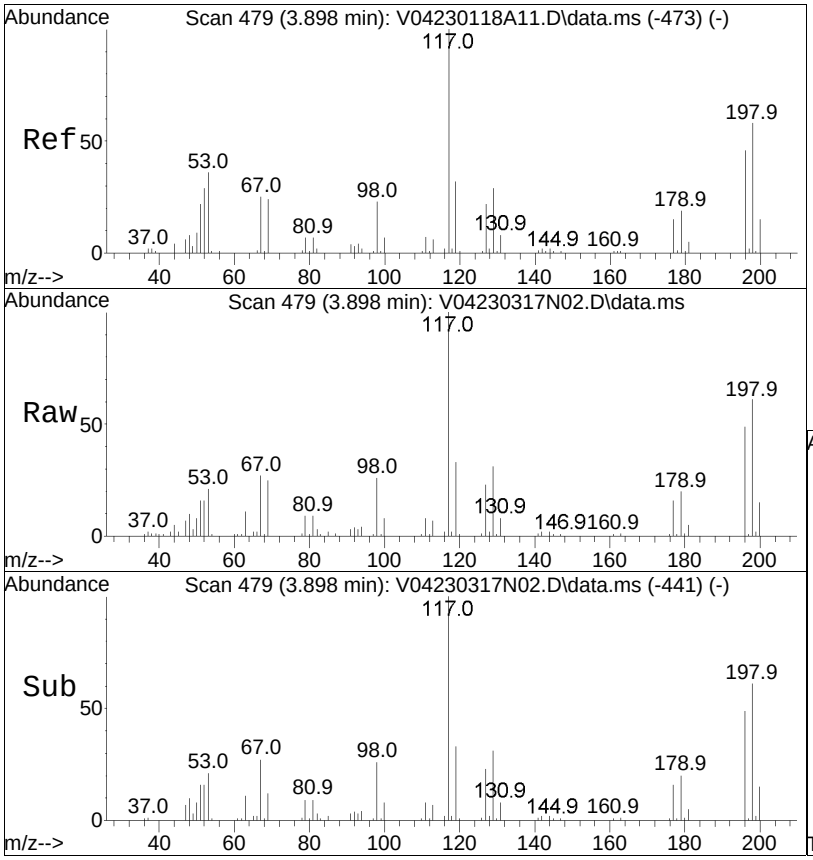


#23
1,1-Dichloroethane
Concen: 34.41 ug/L
RT: 3.835 min Scan# 467
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 63 Resp: 245948

Ion	Ratio	Lower	Upper
63	100		
65	30.3	10.4	50.4
83	12.3	0.0	32.2

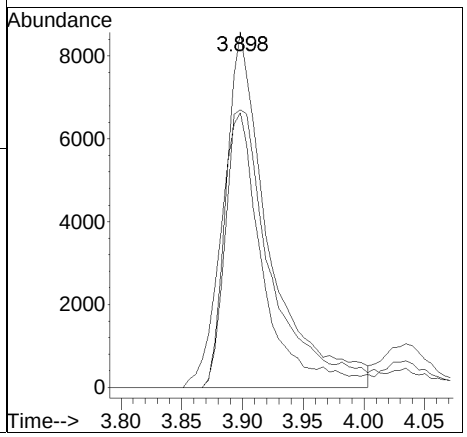


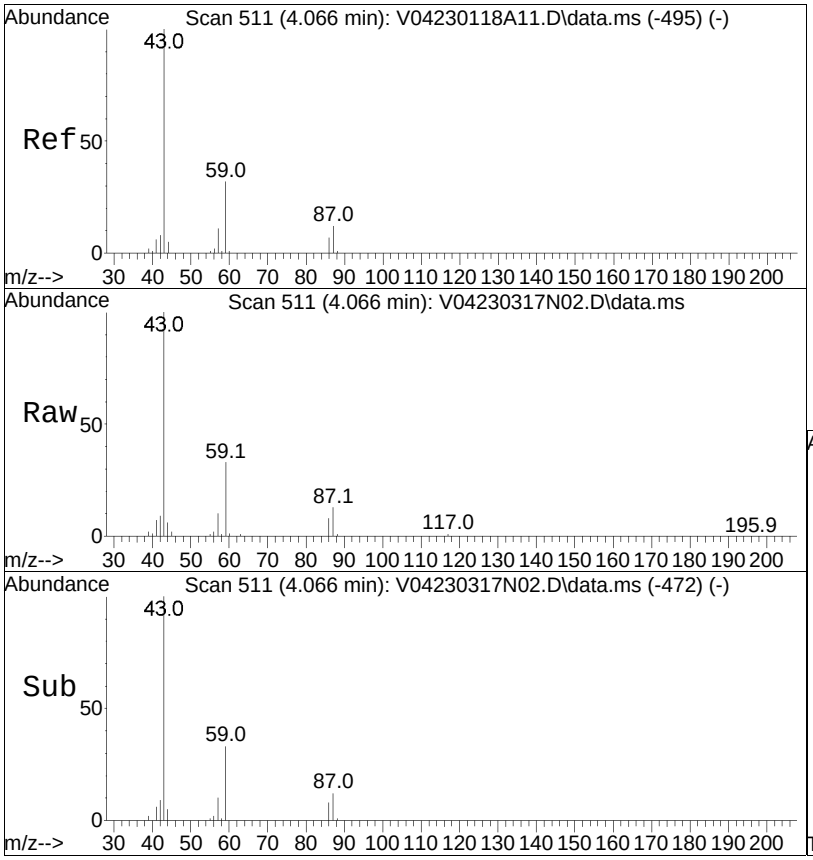


#25
Acrylonitrile
Concen: 29.36 ug/L
RT: 3.898 min Scan# 479
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 53 Resp: 21078

Ion	Ratio	Lower	Upper
53	100		
52	86.2	65.9	98.9
51	77.6	46.2	69.4#

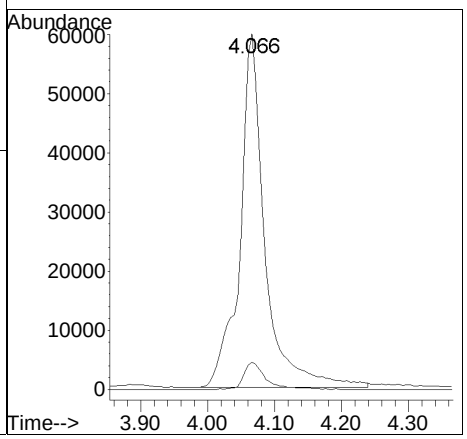


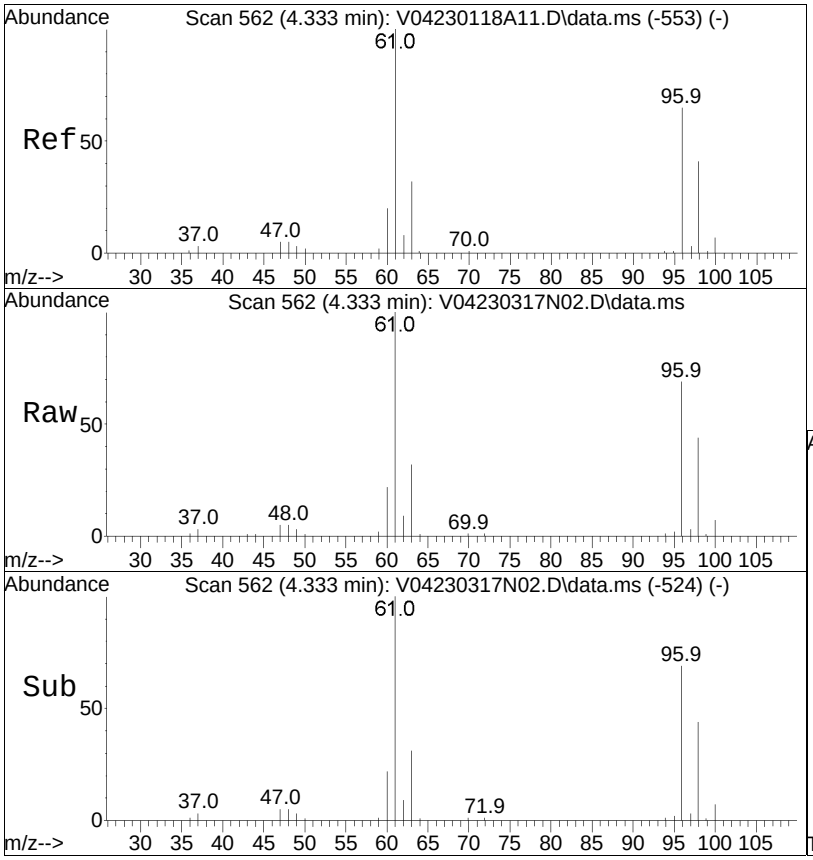


#27
Vinyl acetate
Concen: 31.73 ug/L
RT: 4.066 min Scan# 511
Delta R.T. 0.005 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 43 Resp: 154704

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.4	8.2

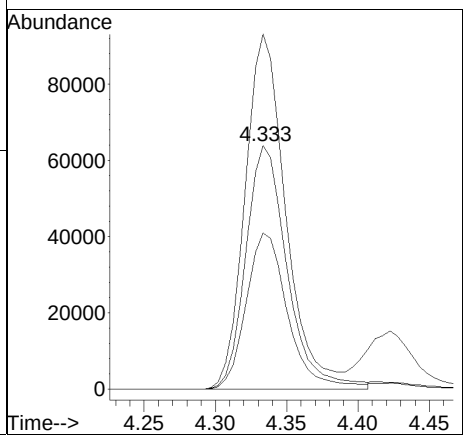


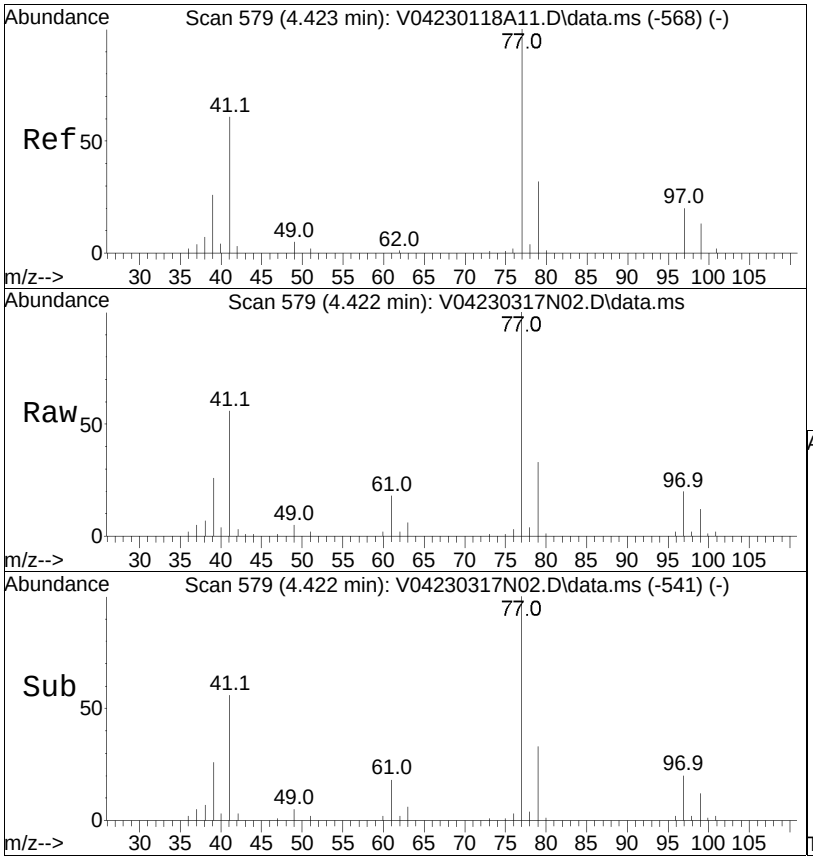


#28
cis-1,2-Dichloroethene
Concen: 36.35 ug/L
RT: 4.333 min Scan# 562
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 96 Resp: 129779

Ion	Ratio	Lower	Upper
96	100		
61	142.1	114.4	171.6
98	64.2	51.3	76.9

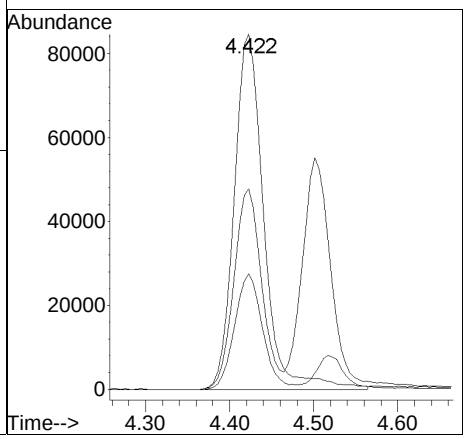


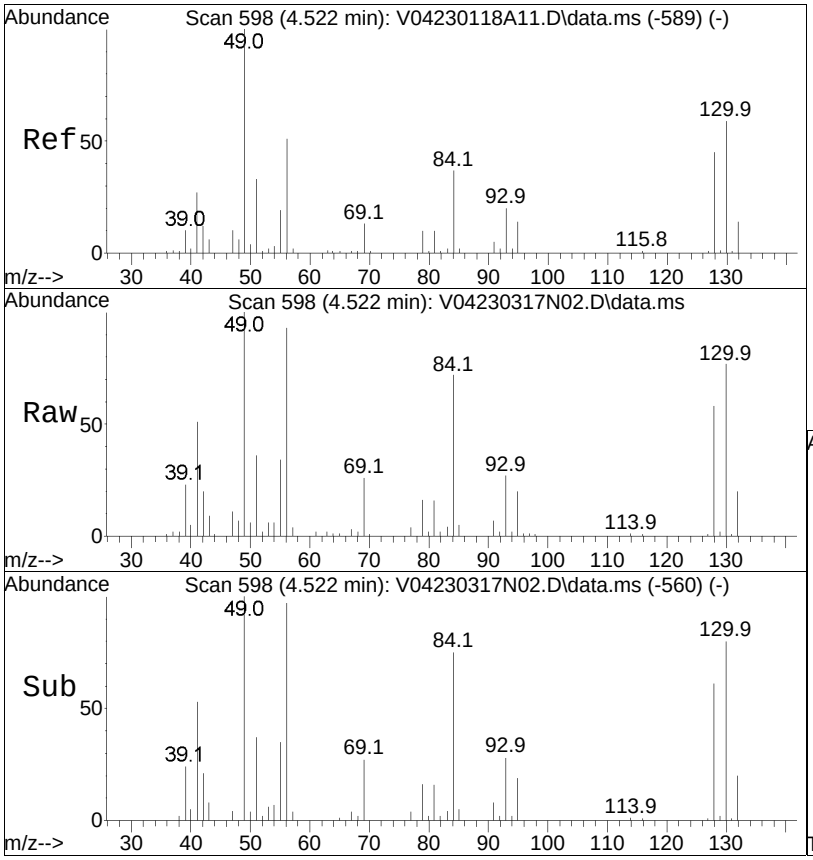


#29
2,2-Dichloropropane
Concen: 42.66 ug/L
RT: 4.422 min Scan# 579
Delta R.T. -0.001 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 77 Resp: 206622

Ion	Ratio	Lower	Upper
77	100		
41	53.4	36.7	76.3
79	31.0	21.1	43.9

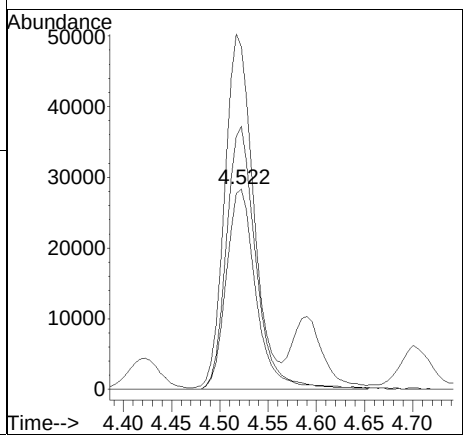


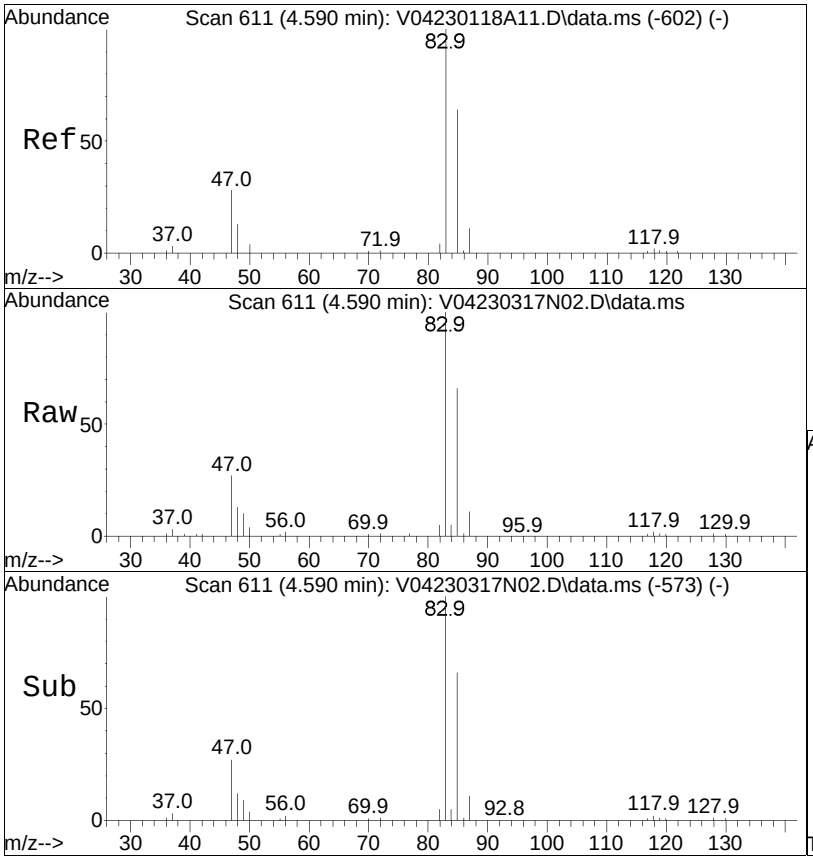


#30
Bromochloromethane
Concen: 38.61 ug/L
RT: 4.522 min Scan# 598
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:128 Resp: 61538

Ion	Ratio	Lower	Upper
128	100		
49	169.4	136.8	205.2
130	128.9	102.6	153.8

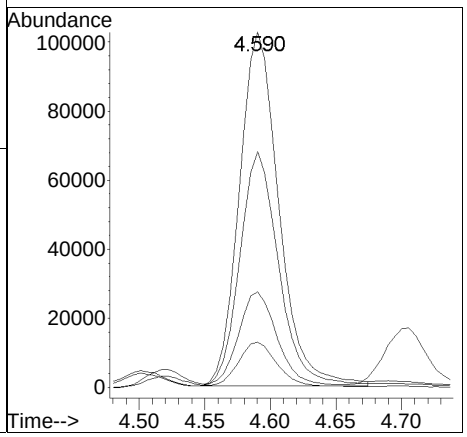


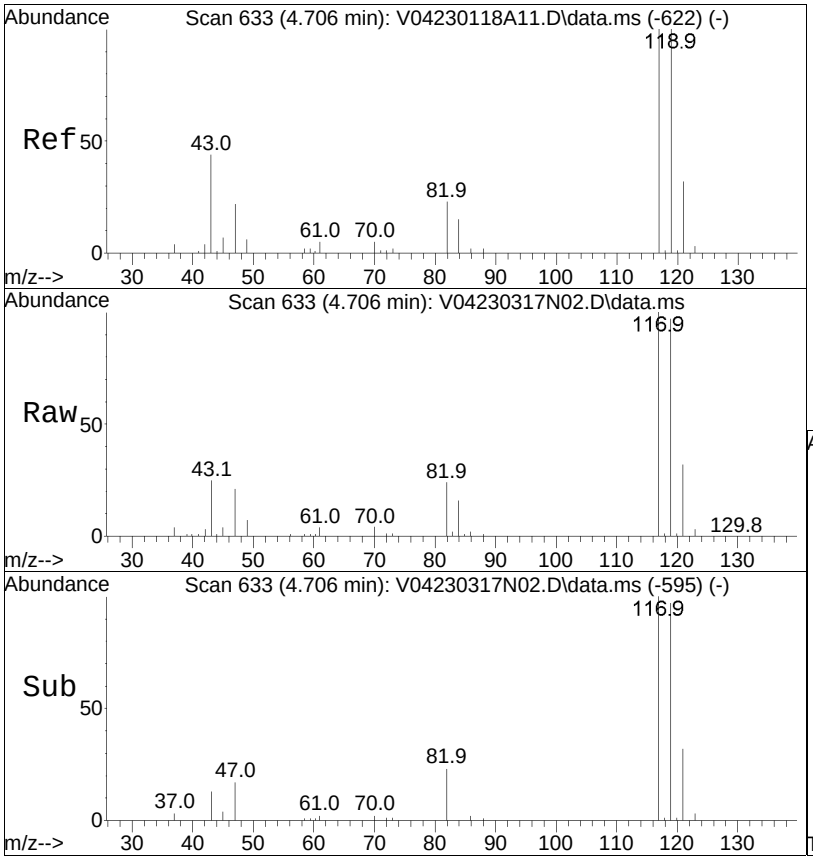


#32
Chloroform
Concen: 37.39 ug/L
RT: 4.590 min Scan# 611
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 83 Resp: 215875

Ion	Ratio	Lower	Upper
83	100		
85	67.0	41.9	87.1
47	24.9	16.7	34.7
48	12.7	7.9	16.3

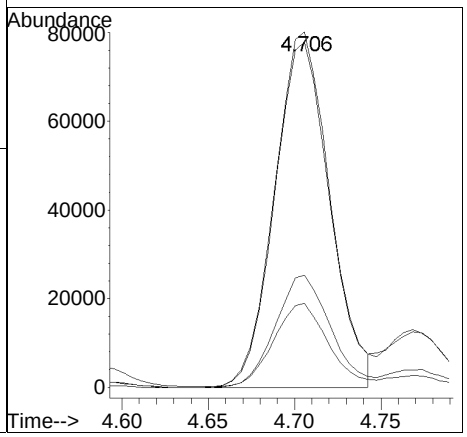


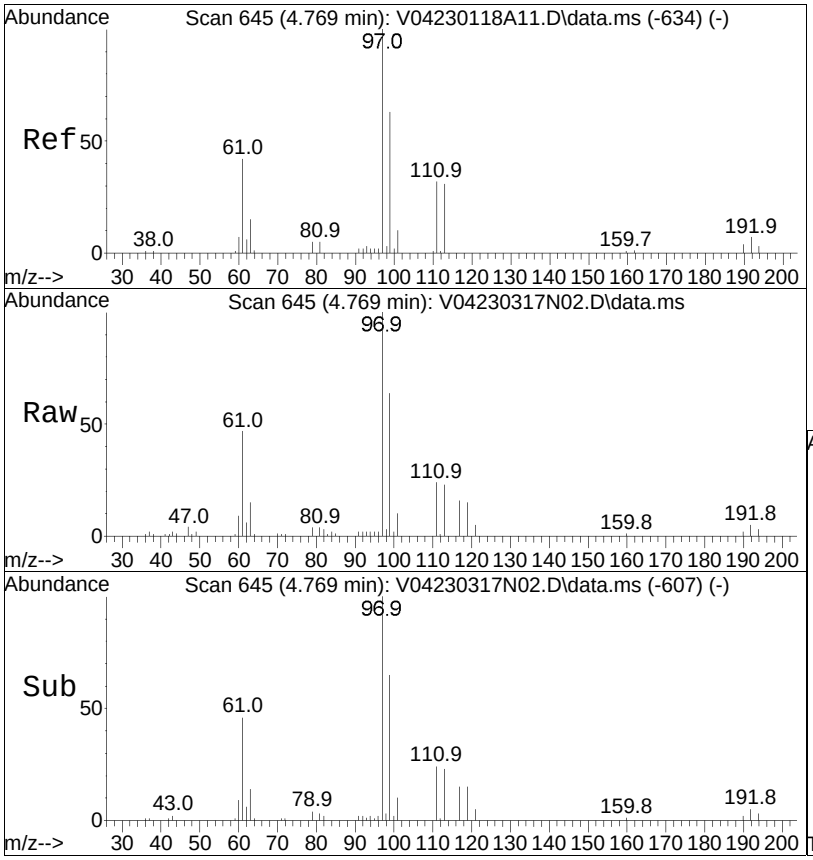


#34
Carbon tetrachloride
Concen: 43.97 ug/L
RT: 4.706 min Scan# 633
Delta R.T. -0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:117 Resp: 178501

Ion	Ratio	Lower	Upper
117	100		
119	98.1	62.9	130.7
121	31.7	20.2	42.0
82	23.3	14.9	30.9

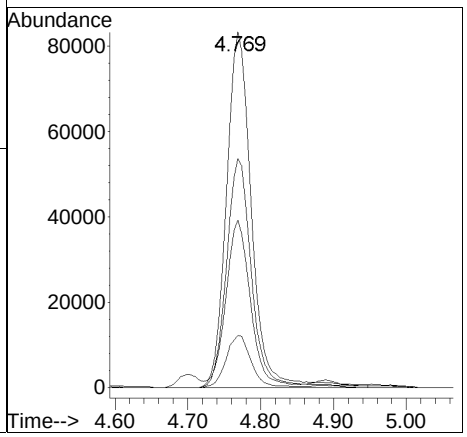


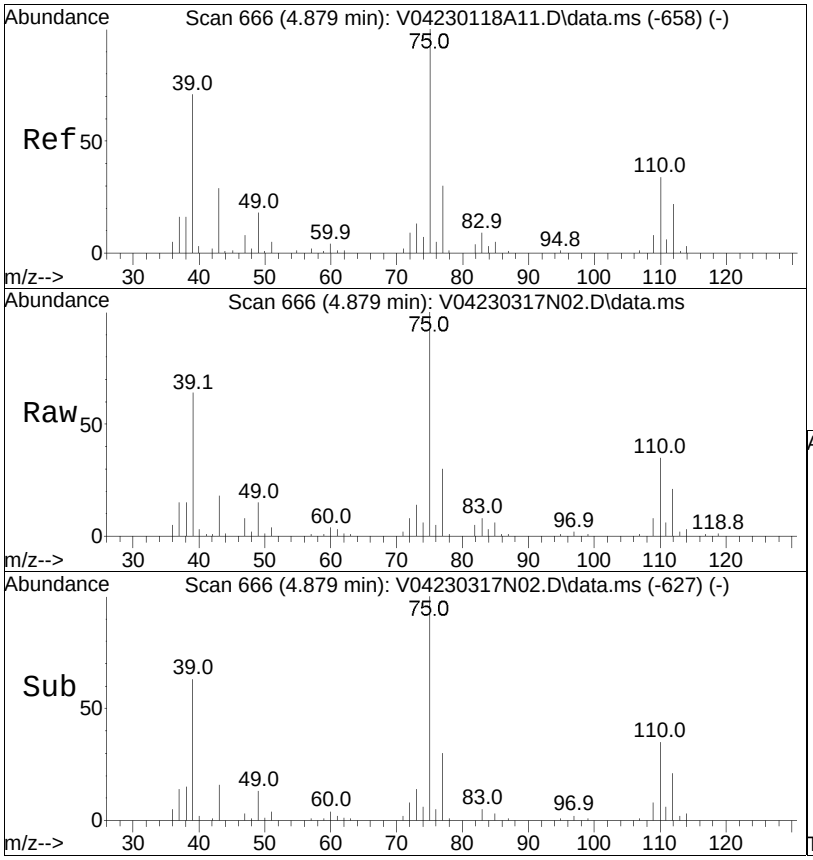


#37
1,1,1-Trichloroethane
Concen: 44.28 ug/L
RT: 4.769 min Scan# 645
Delta R.T. -0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 97 Resp: 201037

Ion	Ratio	Lower	Upper
97	100		
99	63.3	41.7	86.7
61	45.5	30.9	64.3
63	14.4	9.6	20.0

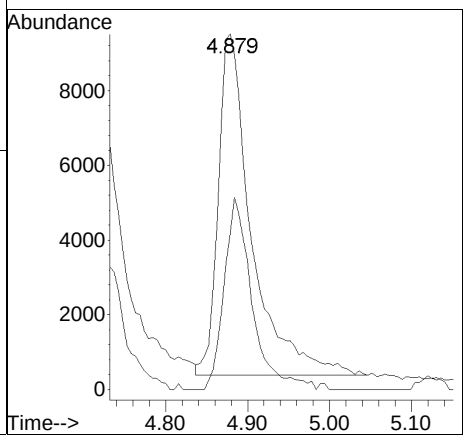


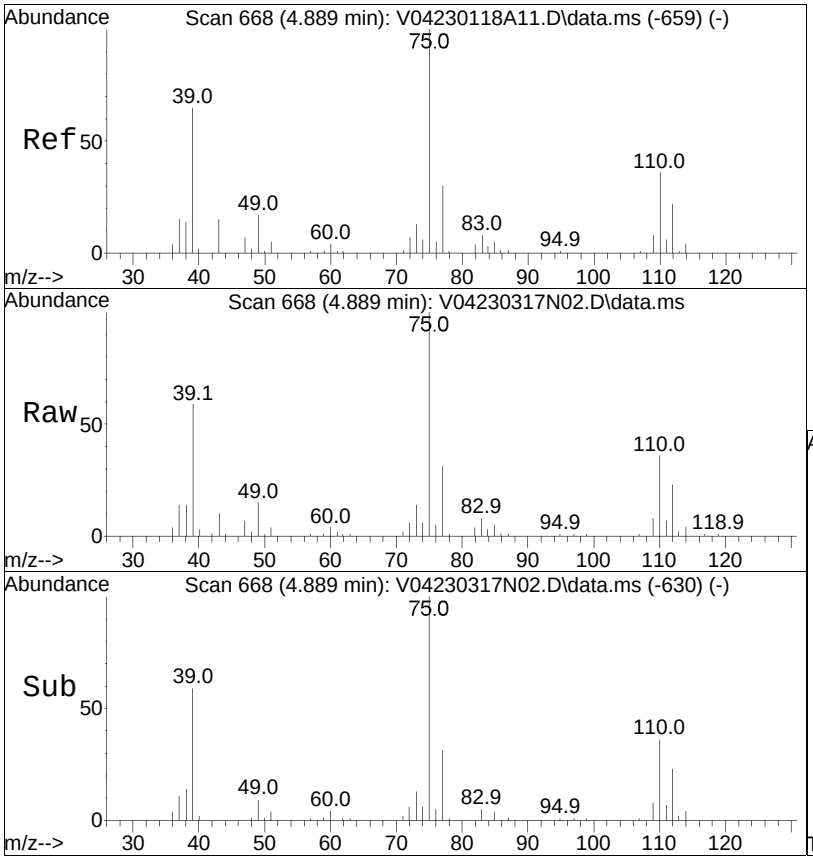


#39
2-Butanone
Concen: 32.24 ug/L
RT: 4.879 min Scan# 666
Delta R.T. 0.006 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 43 Resp: 25867

Ion	Ratio	Lower	Upper
43	100		
72	46.9	25.8	38.8#

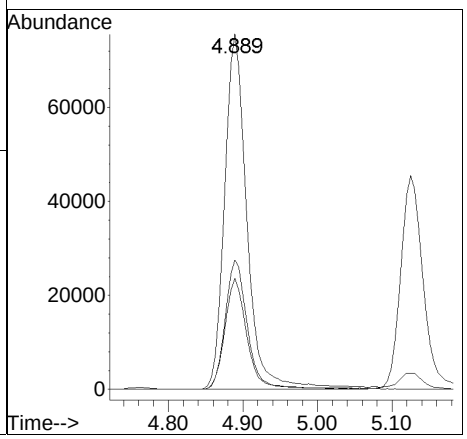


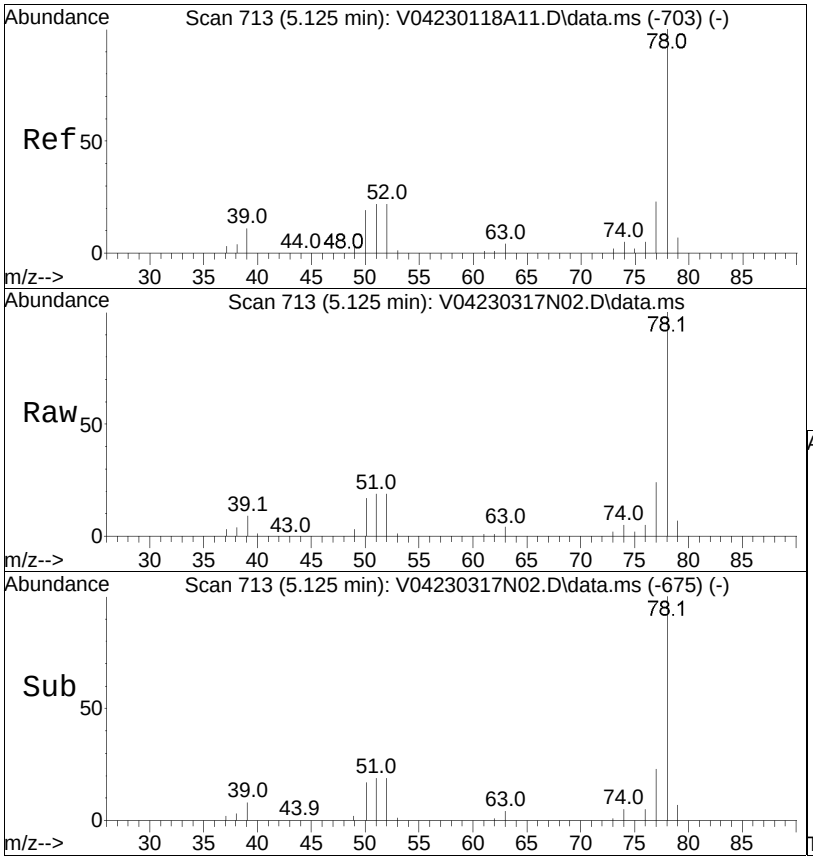


#40
1,1-Dichloropropene
Concen: 42.40 ug/L
RT: 4.889 min Scan# 668
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 75 Resp: 158912

Ion	Ratio	Lower	Upper
75	100		
110	36.0	24.4	50.6
77	30.8	20.0	41.6

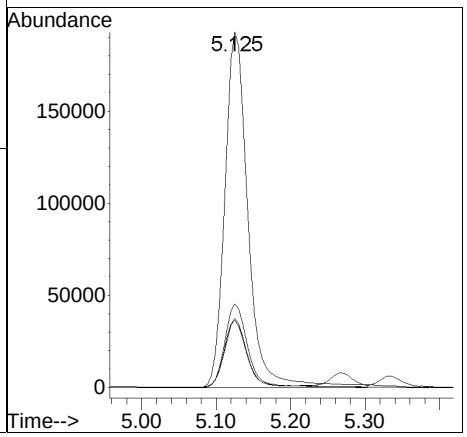


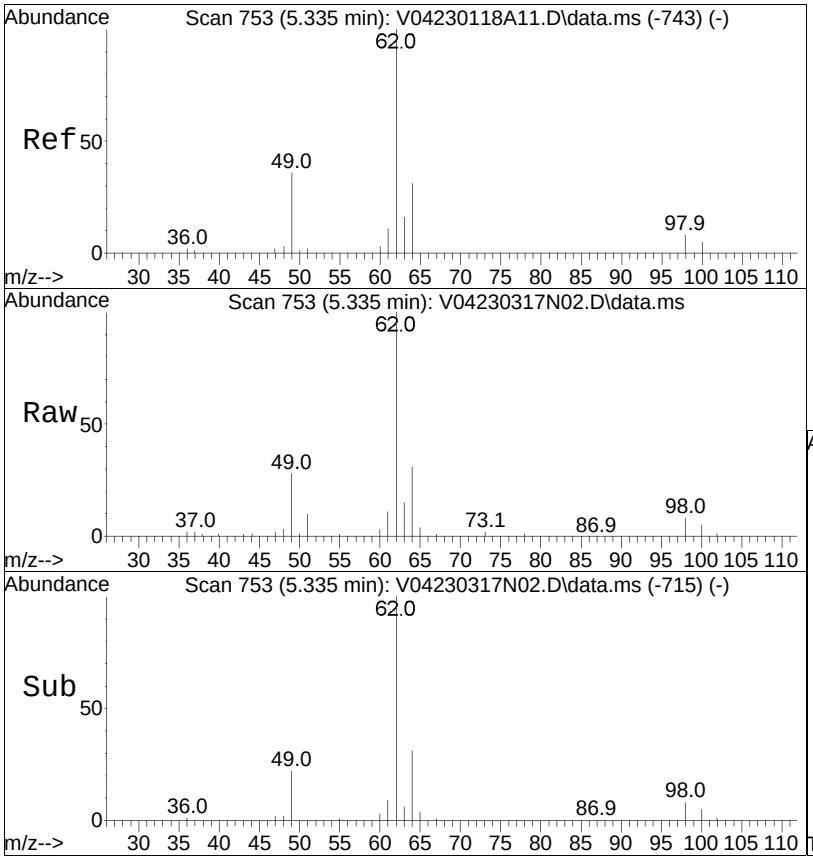


#41
Benzene
Concen: 38.94 ug/L
RT: 5.125 min Scan# 713
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 78 Resp: 419013

Ion	Ratio	Lower	Upper
78	100		
77	22.8	15.1	31.3
51	18.7	12.2	25.4
52	18.0	11.9	24.7

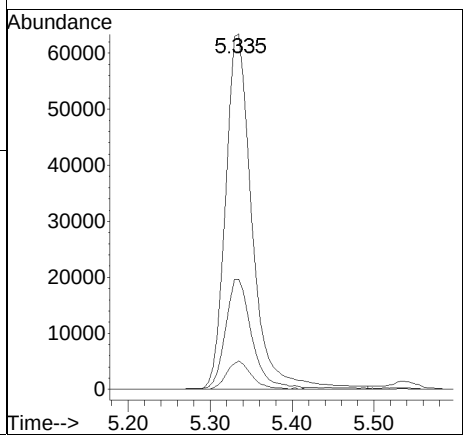


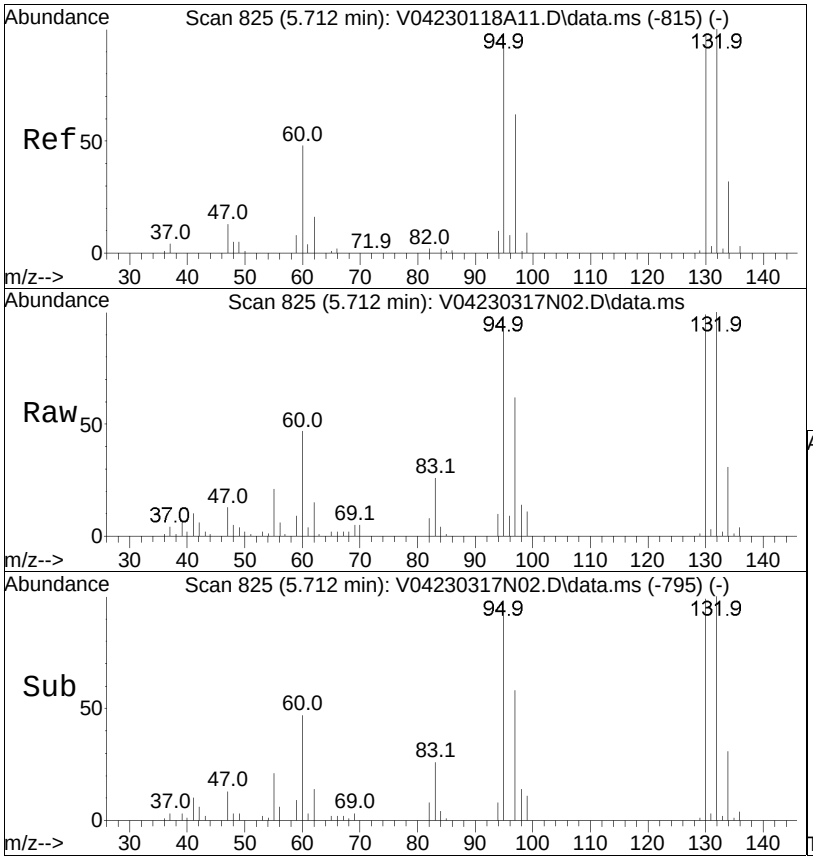


#44
1,2-Dichloroethane
Concen: 37.47 ug/L
RT: 5.335 min Scan# 753
Delta R.T. -0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 62 Resp: 143715

Ion	Ratio	Lower	Upper
62	100		
64	31.2	11.3	51.3
98	7.5	0.0	27.5

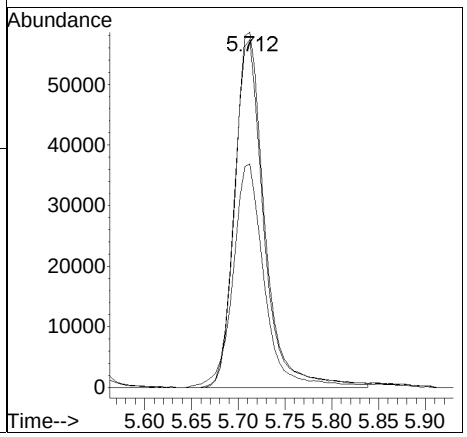


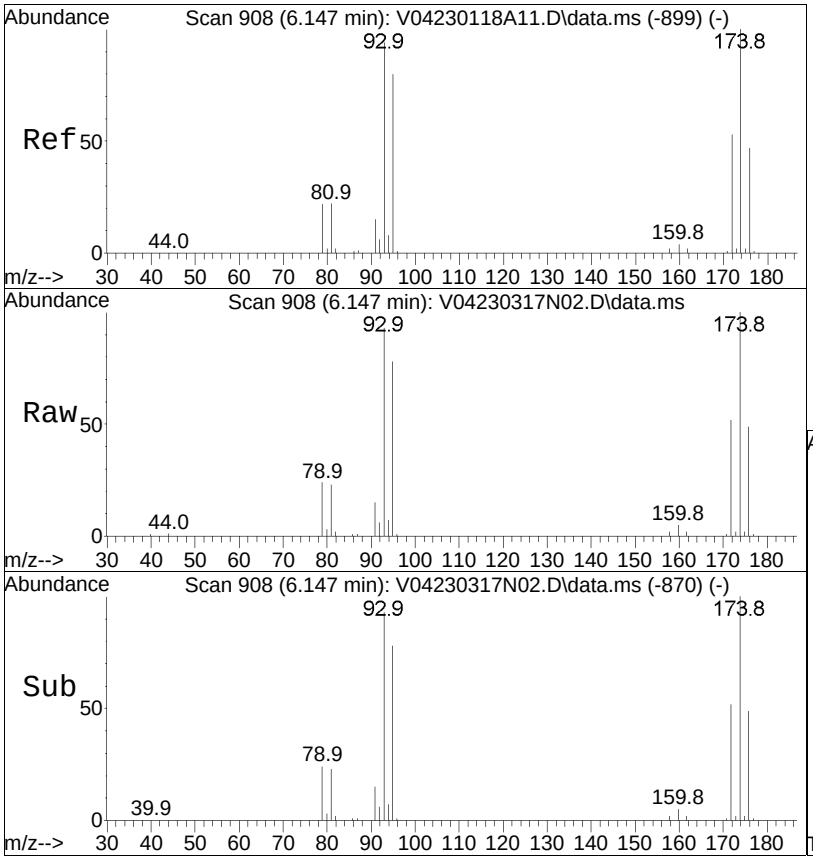


#48
Trichloroethene
Concen: 43.83 ug/L
RT: 5.712 min Scan# 825
Delta R.T. 0.005 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 95 Resp: 125581

Ion	Ratio	Lower	Upper
95	100		
97	68.0	53.9	80.9
130	104.7	83.1	124.7

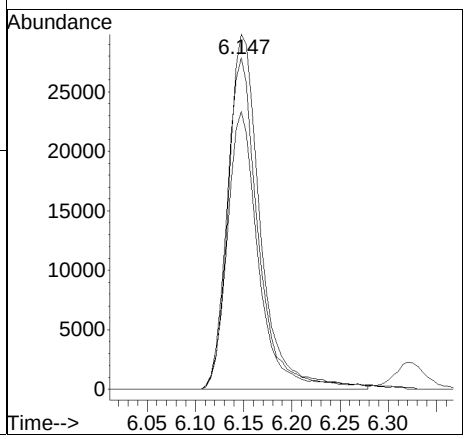


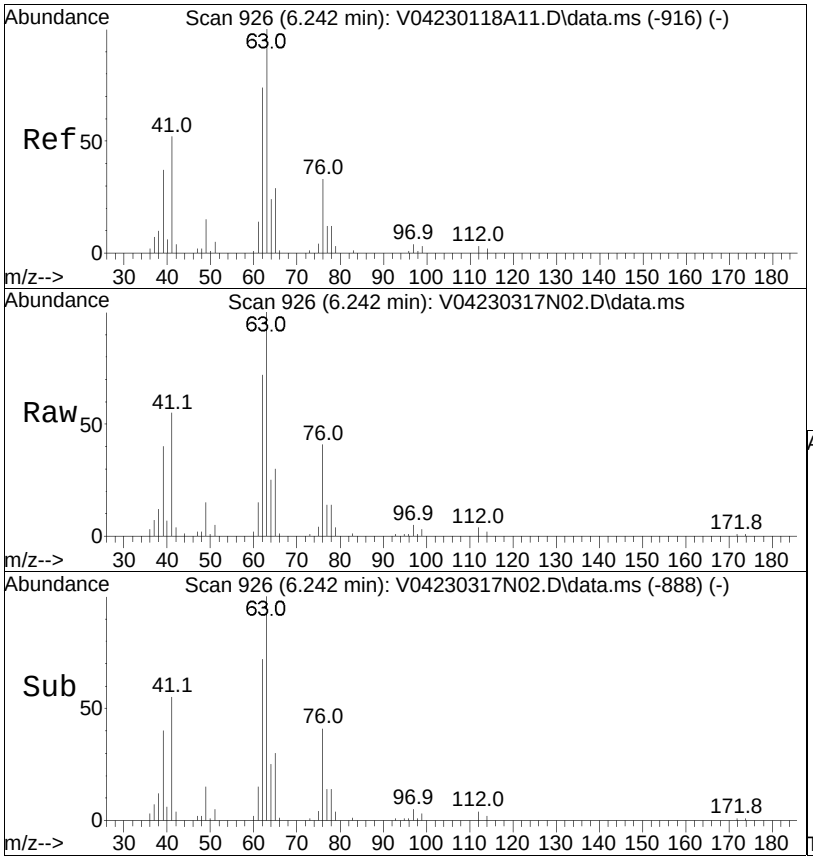


#50
Dibromomethane
Concen: 37.82 ug/L
RT: 6.147 min Scan# 908
Delta R.T. -0.001 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 93 Resp: 63221

Ion	Ratio	Lower	Upper
93	100		
95	85.1	66.3	99.5
174	110.1	87.4	131.0

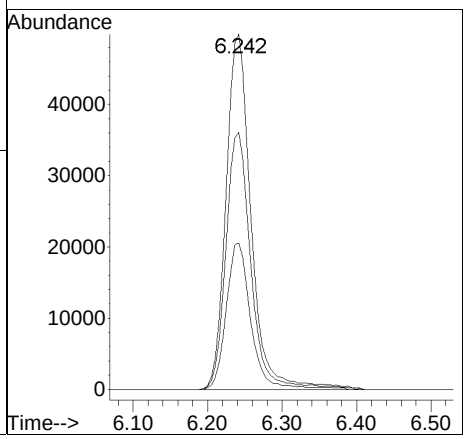


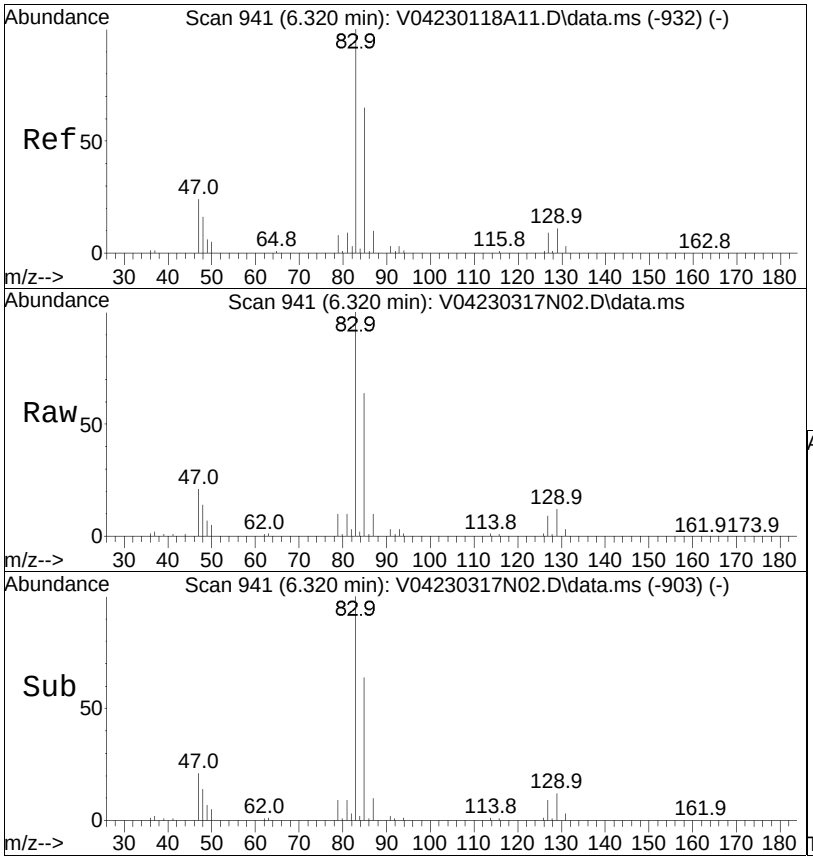


#51
1,2-Dichloropropane
Concen: 34.89 ug/L
RT: 6.242 min Scan# 926
Delta R.T. -0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 63 Resp: 116967

Ion	Ratio	Lower	Upper
63	100		
62	70.9	58.2	87.2
76	39.9	31.4	47.2

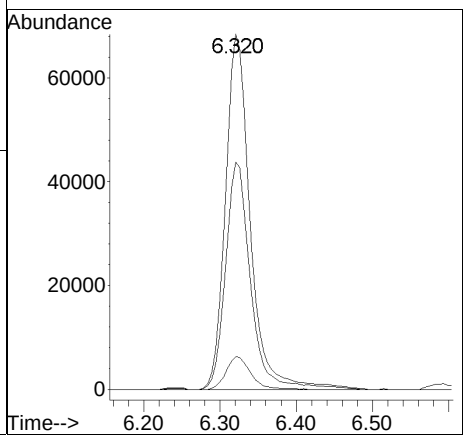


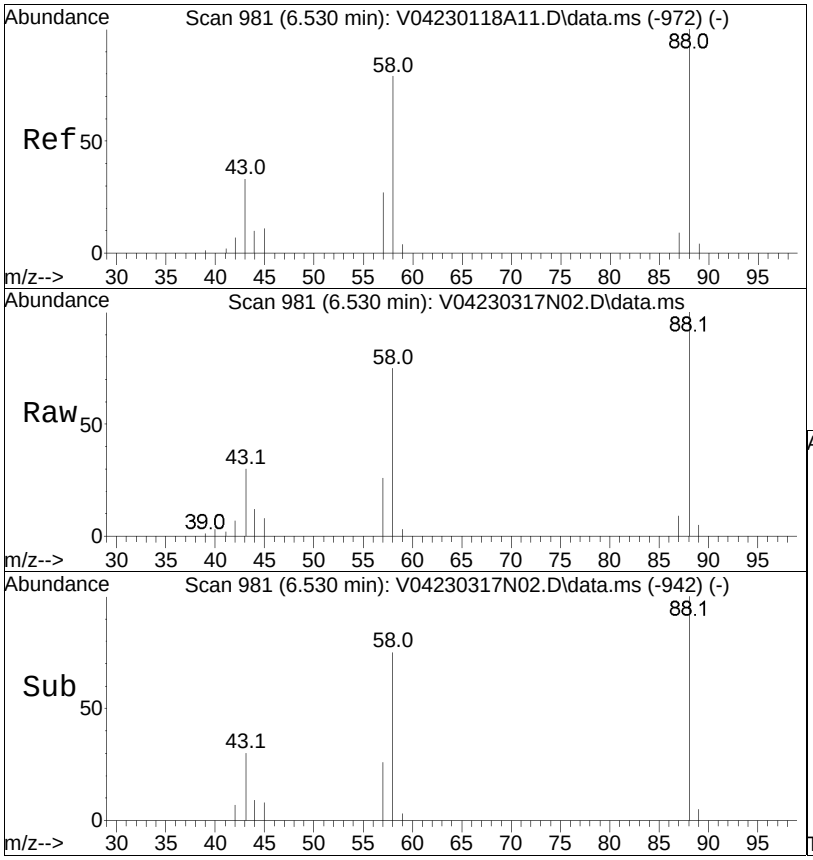


#54
Bromodichloromethane
Concen: 38.86 ug/L
RT: 6.320 min Scan# 941
Delta R.T. -0.001 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 83 Resp: 155566

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.2	76.8
127	9.1	7.3	10.9

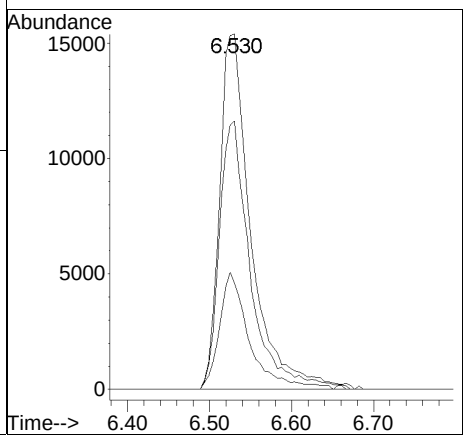


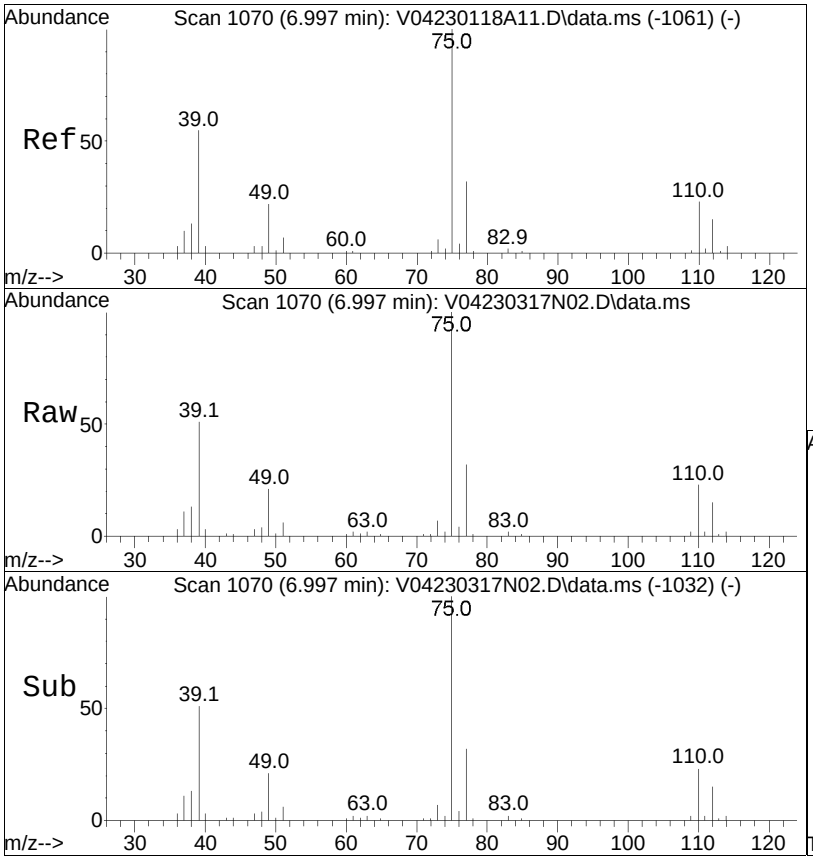


#57
1,4-Dioxane
Concen: 1843.36 ug/L
RT: 6.530 min Scan# 981
Delta R.T. 0.005 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 88 Resp: 41101

Ion	Ratio	Lower	Upper
88	100		
58	74.6	57.1	85.7
43	31.6	22.9	34.3

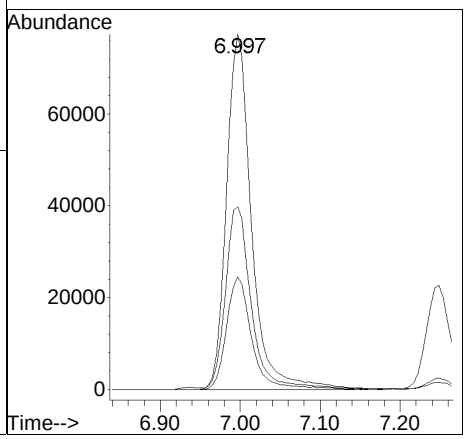


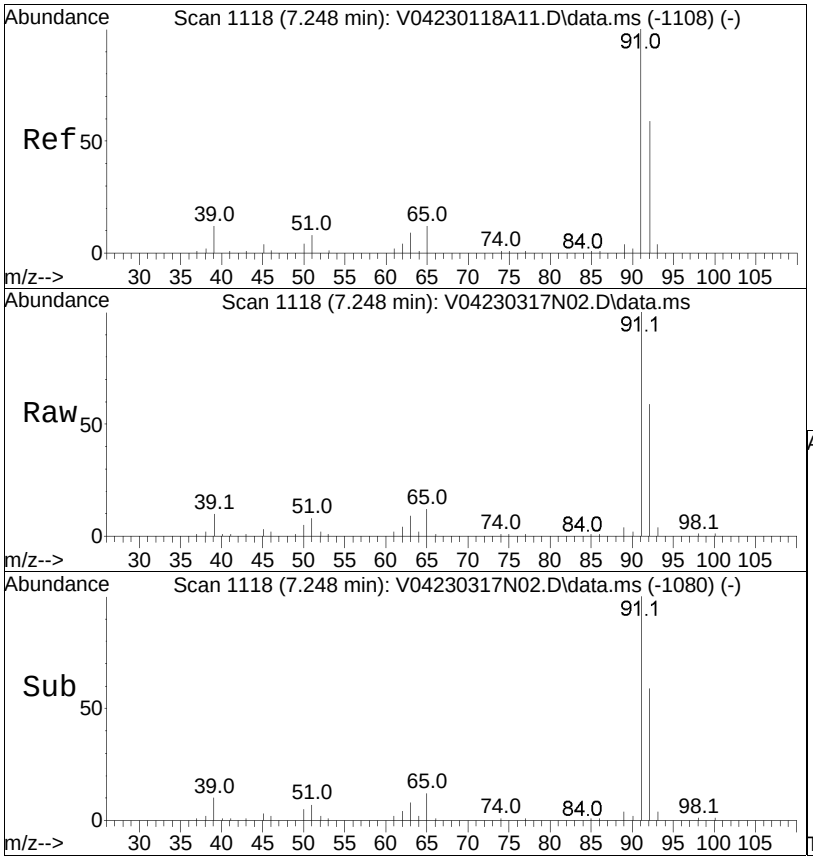


#58
cis-1,3-Dichloropropene
Concen: 41.14 ug/L
RT: 6.997 min Scan# 1070
Delta R.T. -0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 75 Resp: 169105

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.3	37.9
39	52.0	40.2	60.2

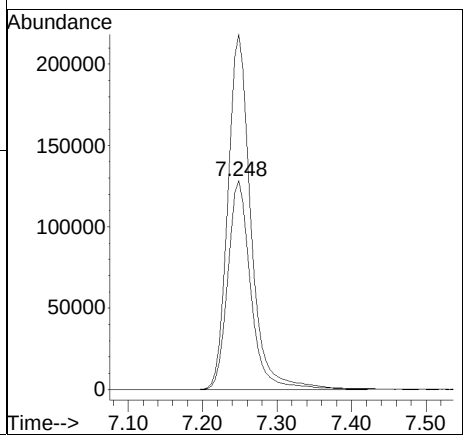


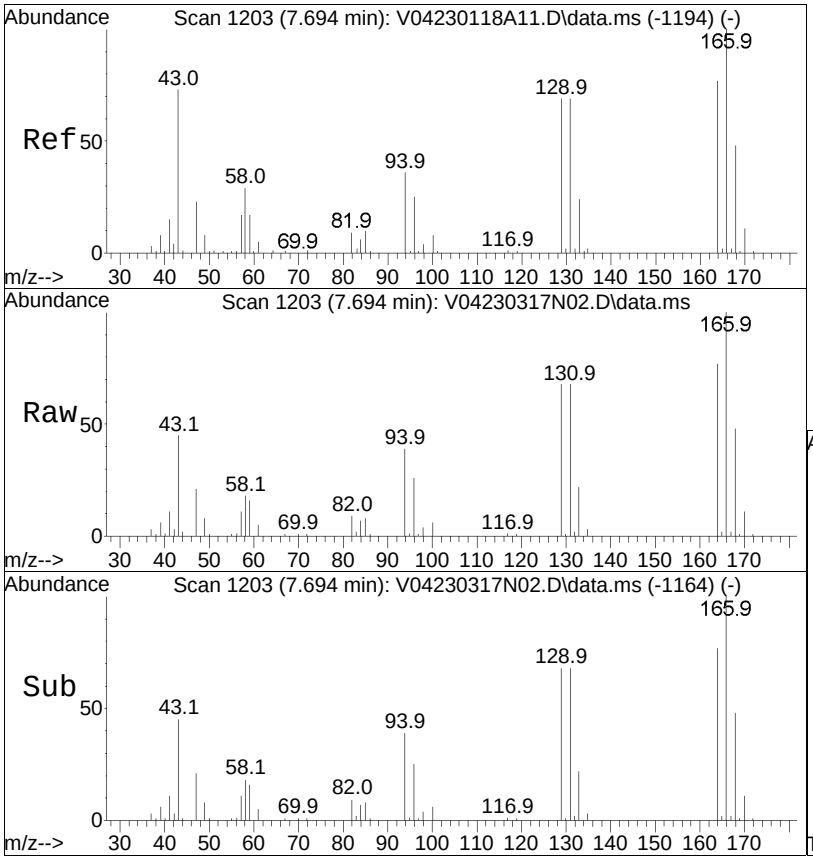


#61
Toluene
Concen: 43.61 ug/L
RT: 7.248 min Scan# 1118
Delta R.T. -0.001 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 92 Resp: 275493

Ion	Ratio	Lower	Upper
92	100		
91	170.1	135.8	203.6

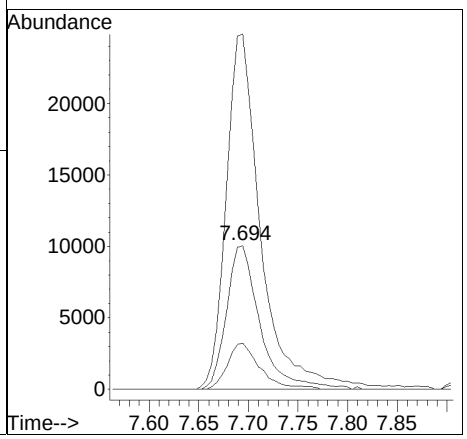


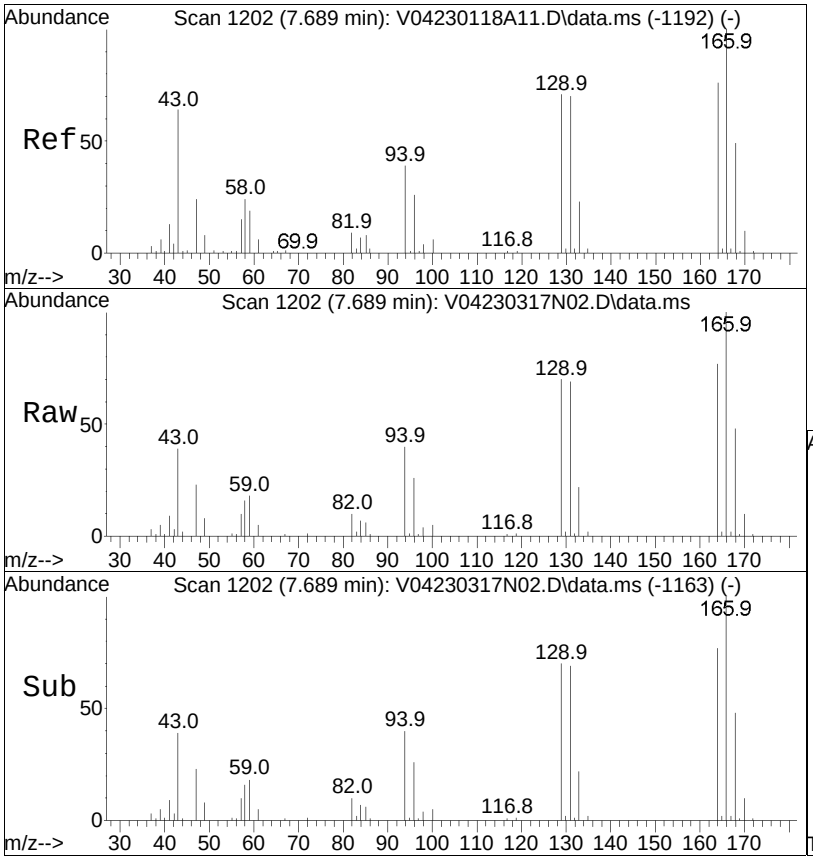


#62
4-Methyl-2-pentanone
Concen: 33.12 ug/L
RT: 7.694 min Scan# 1203
Delta R.T. 0.005 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 58 Resp: 23770

Ion	Ratio	Lower	Upper
58	100		
100	31.3	25.6	38.4
43	253.7	195.7	293.5

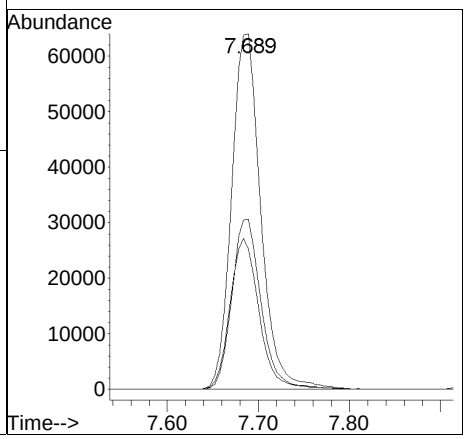


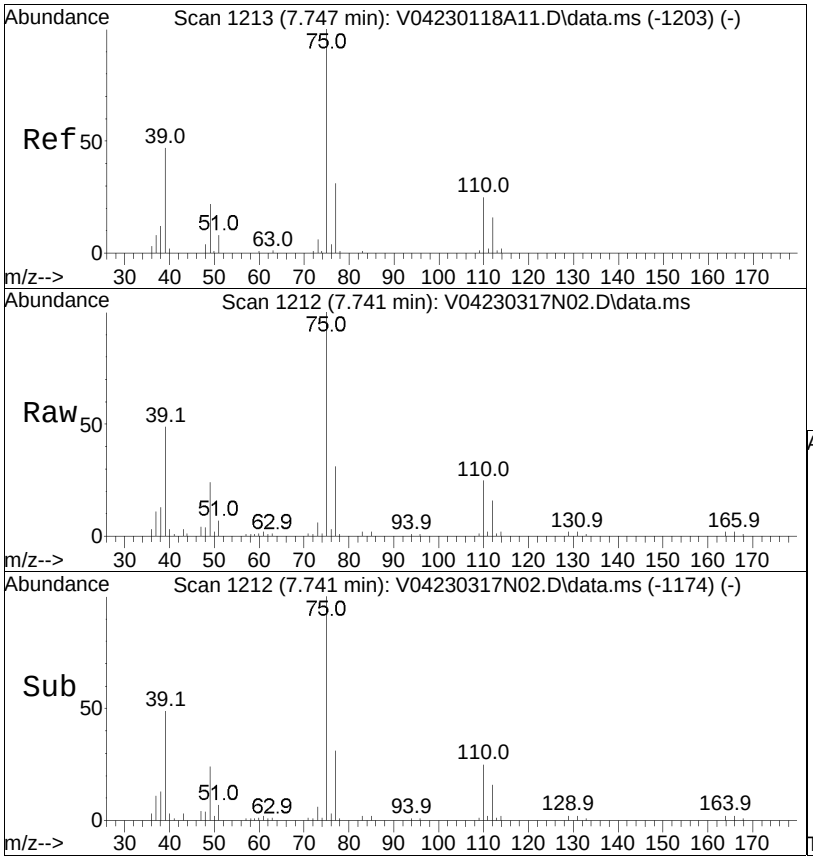


#63
Tetrachloroethene
Concen: 47.26 ug/L
RT: 7.689 min Scan# 1202
Delta R.T. 0.005 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:166 Resp: 143094

Ion	Ratio	Lower	Upper
166	100		
168	48.0	27.6	67.6
94	42.3	20.9	60.9

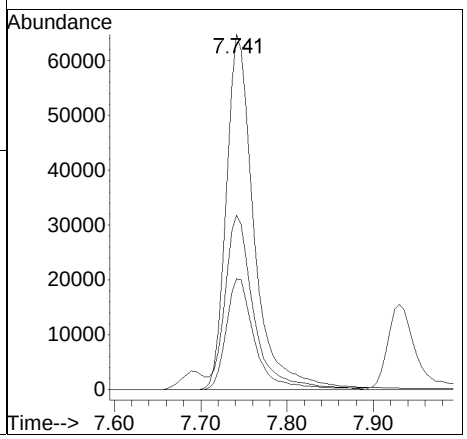


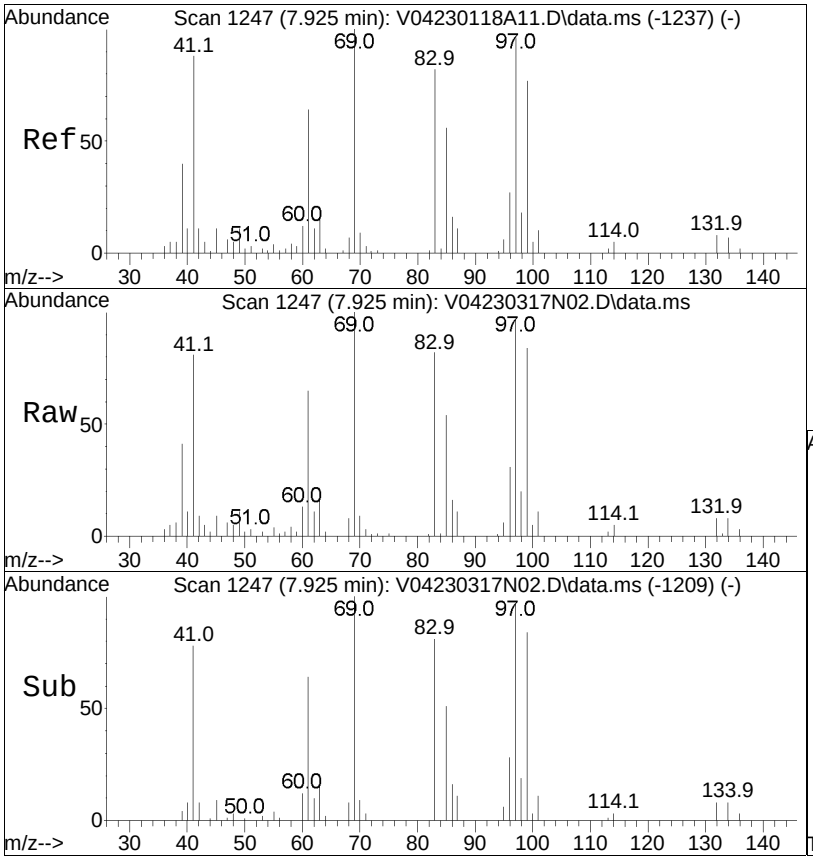


#65
trans-1,3-Dichloropropene
Concen: 40.59 ug/L
RT: 7.741 min Scan# 1212
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 75 Resp: 145093

Ion	Ratio	Lower	Upper
75	100		
77	32.0	12.0	52.0
39	49.6	29.3	69.3

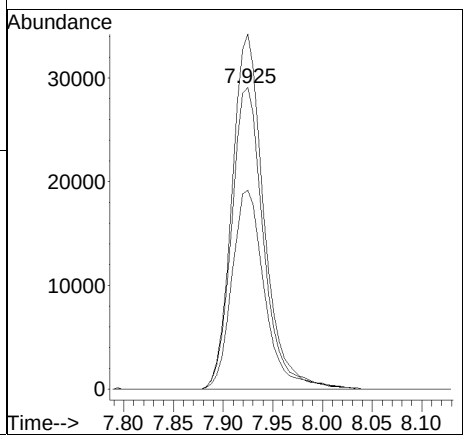


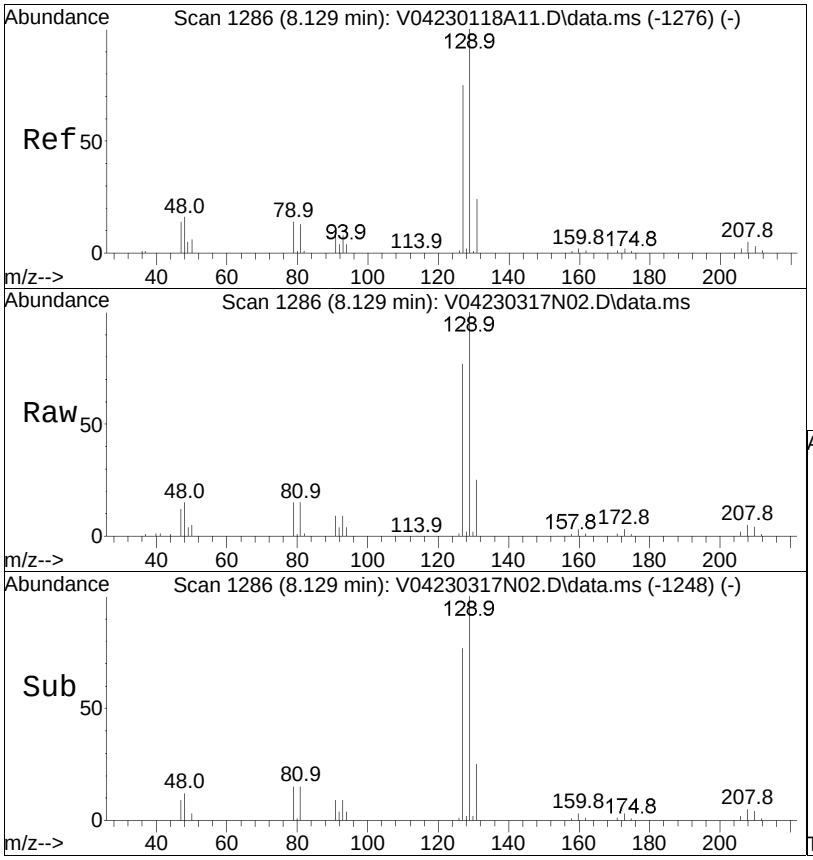


#68
1,1,2-Trichloroethane
Concen: 38.70 ug/L
RT: 7.925 min Scan# 1247
Delta R.T. -0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 83 Resp: 65565

Ion	Ratio	Lower	Upper
83	100		
97	117.4	99.3	139.3
85	67.9	47.8	87.8

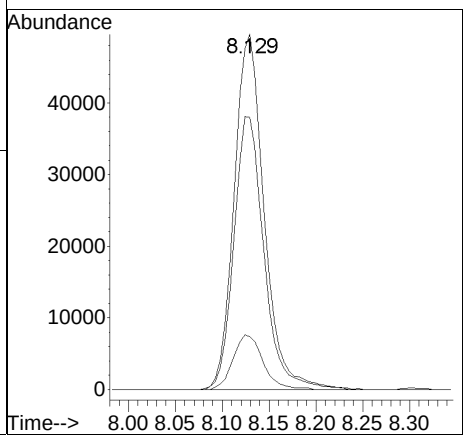


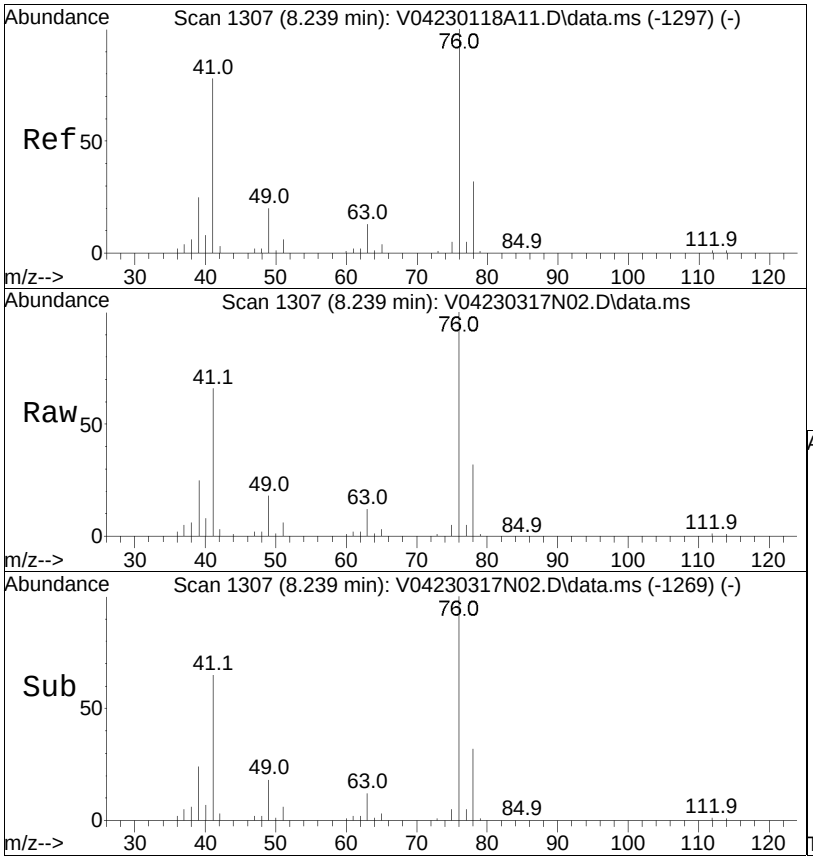


#69
Chlorodibromomethane
Concen: 44.91 ug/L
RT: 8.129 min Scan# 1286
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:129 Resp: 110466

Ion	Ratio	Lower	Upper
129	100		
81	15.3	0.0	34.6
127	76.9	56.9	96.9

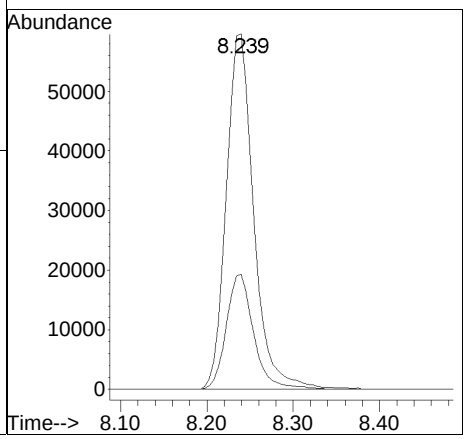


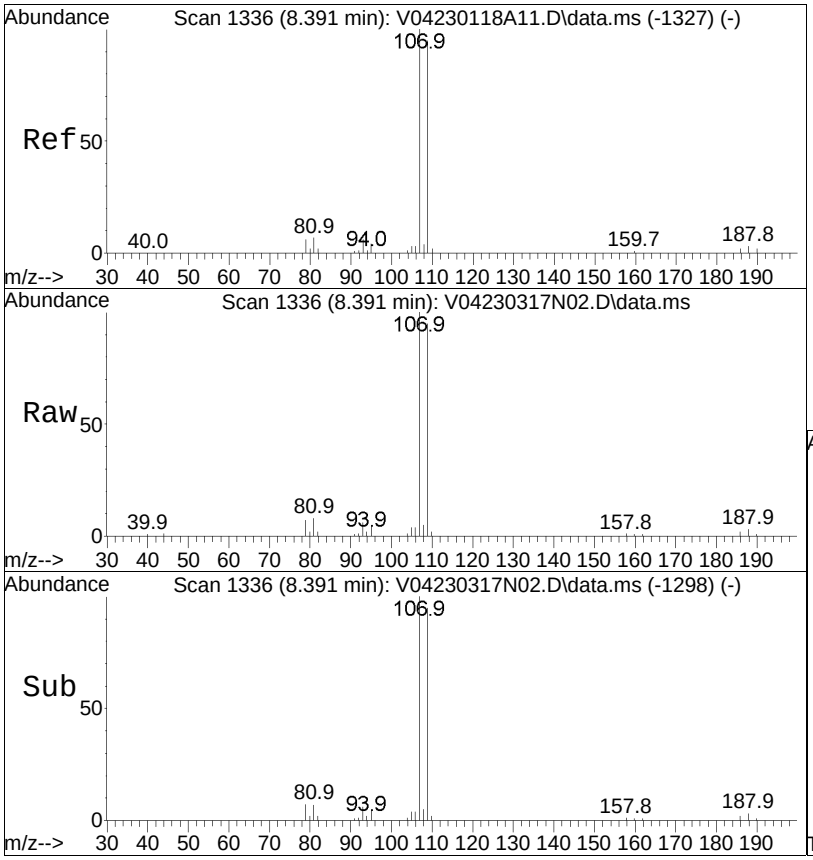


#70
1,3-Dichloropropane
Concen: 41.49 ug/L
RT: 8.239 min Scan# 1307
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 76 Resp: 132350

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8

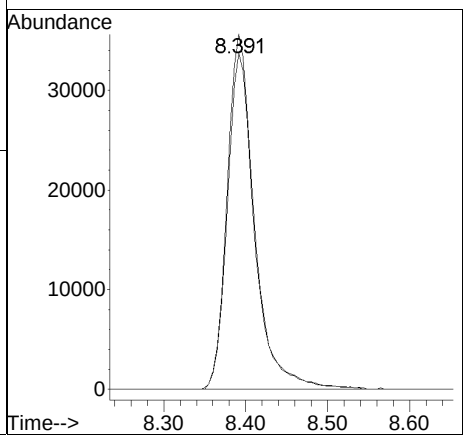


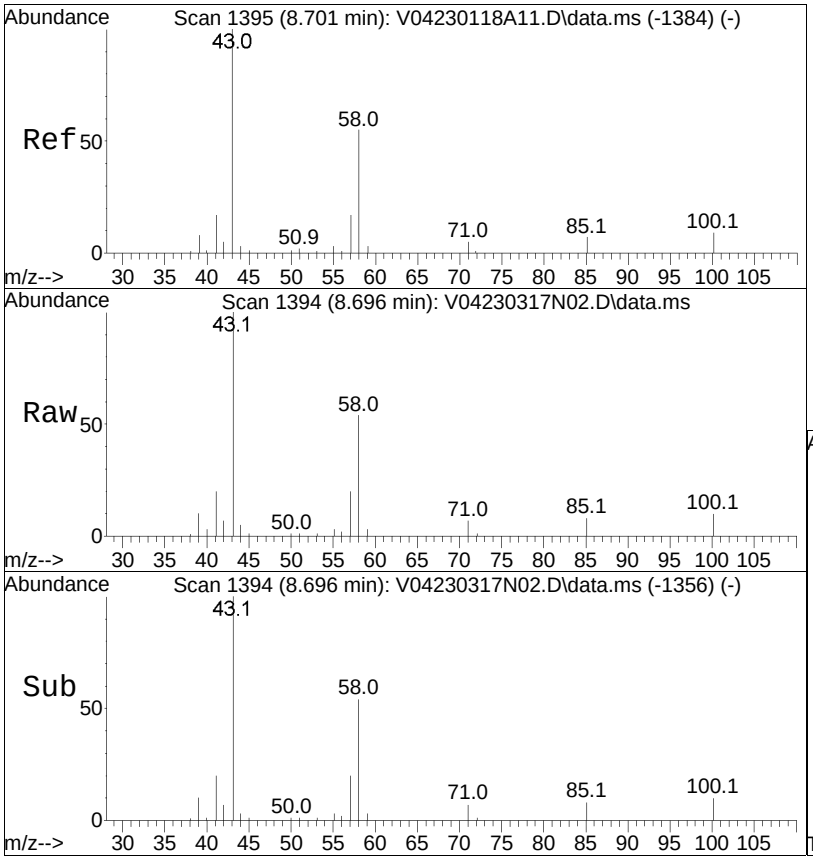


#71
1,2-Dibromoethane
Concen: 41.01 ug/L
RT: 8.391 min Scan# 1336
Delta R.T. -0.001 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:107 Resp: 83263

Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.4	113.0

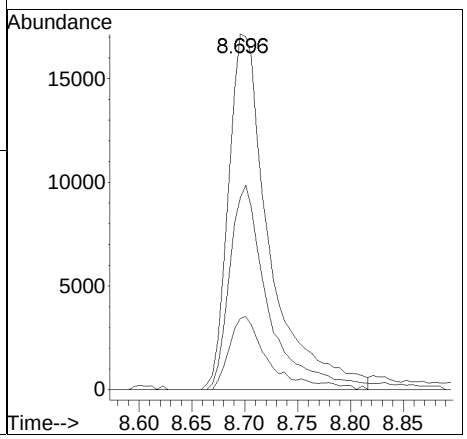


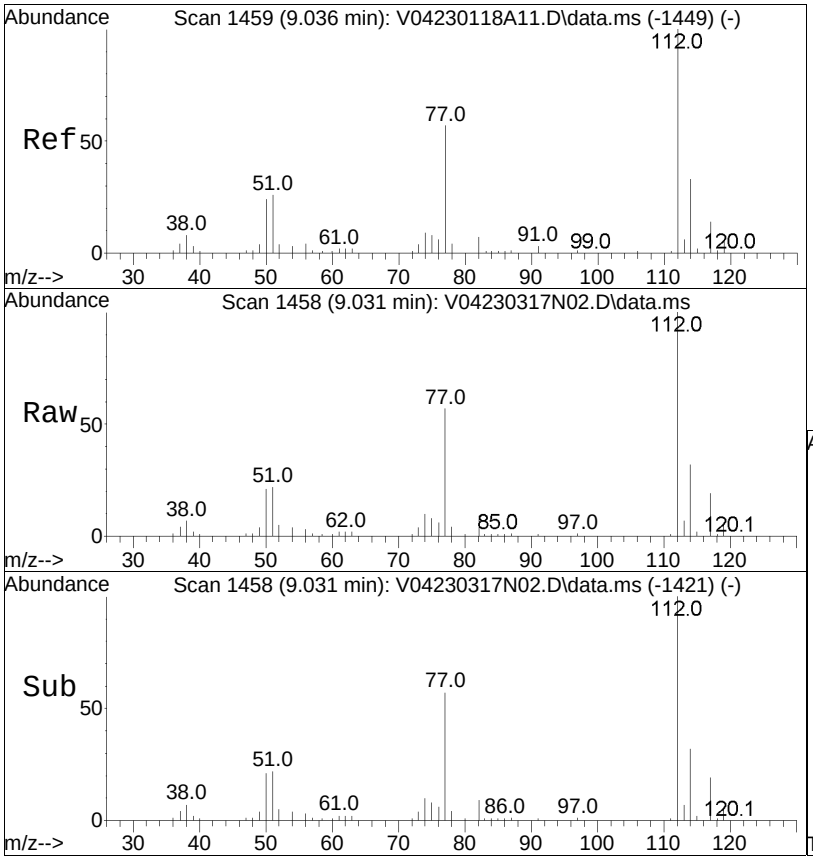


#72
2-Hexanone
Concen: 31.82 ug/L
RT: 8.696 min Scan# 1394
Delta R.T. -0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 43 Resp: 46063

Ion	Ratio	Lower	Upper
43	100		
58	54.6	44.7	67.1
57	18.7	15.4	23.0

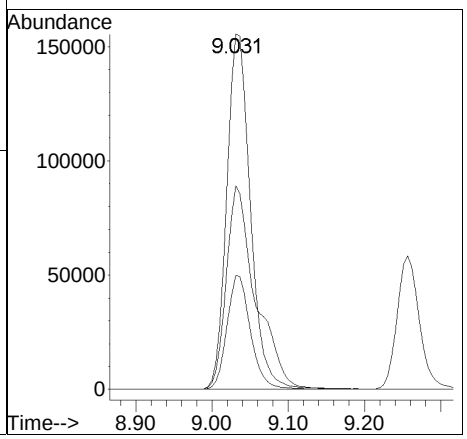


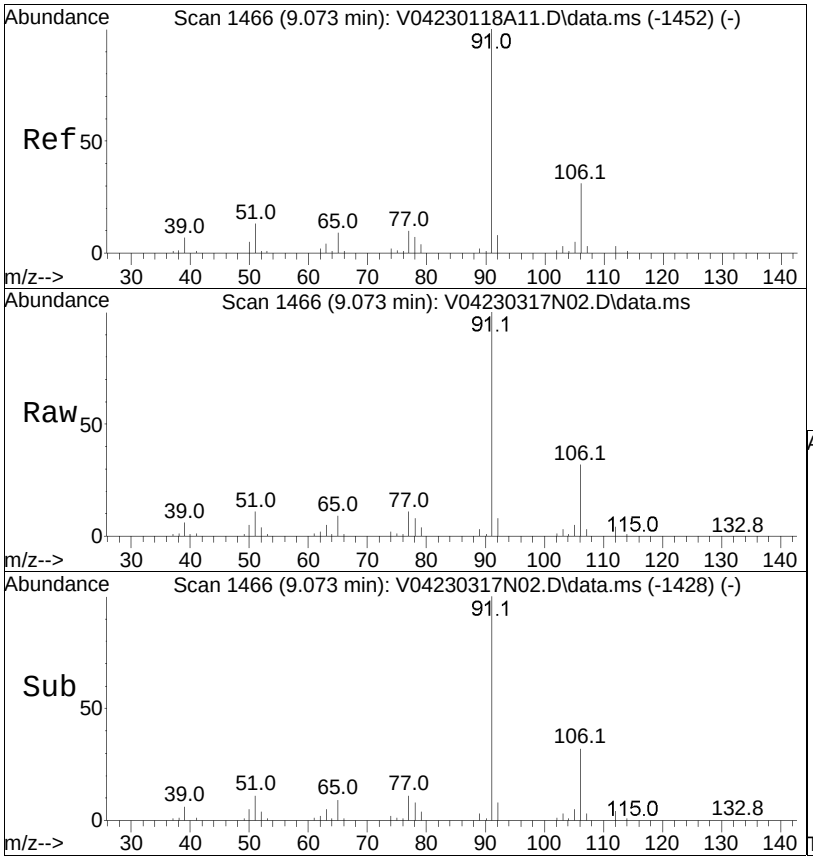


#73
Chlorobenzene
Concen: 45.15 ug/L
RT: 9.031 min Scan# 1458
Delta R.T. -0.005 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:112 Resp: 337458

Ion	Ratio	Lower	Upper
112	100		
77	71.0	55.3	82.9
114	31.8	25.5	38.3

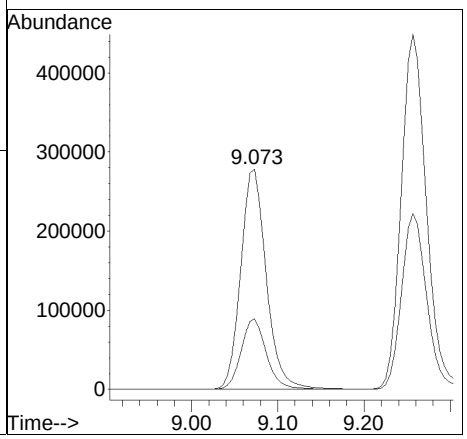


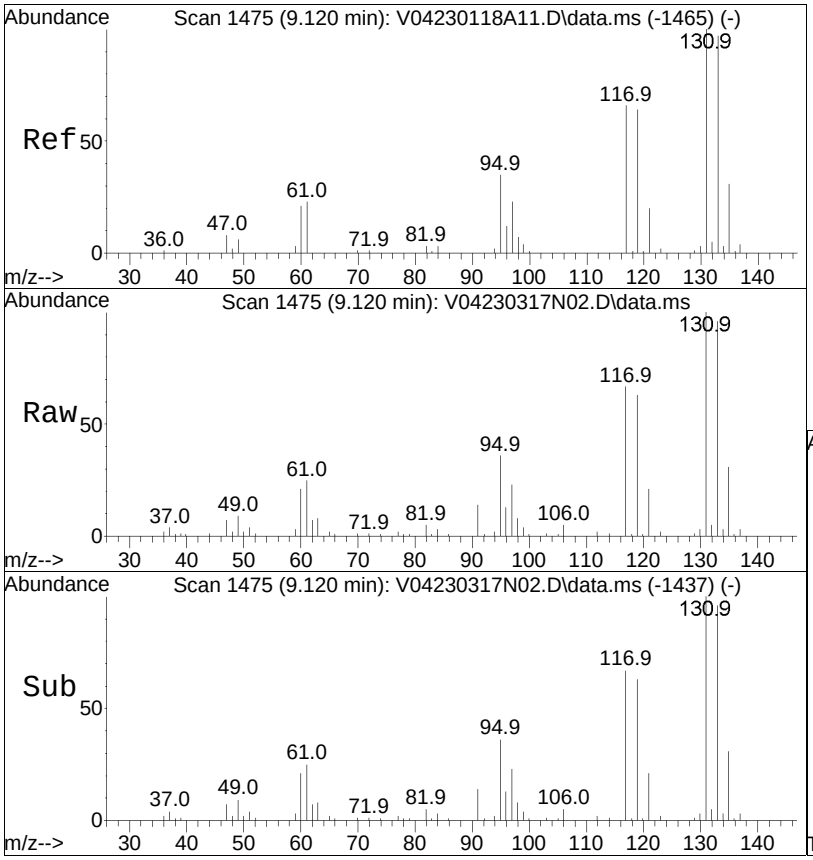


#74
Ethylbenzene
Concen: 45.59 ug/L
RT: 9.073 min Scan# 1466
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 91 Resp: 574907

Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.4	38.2

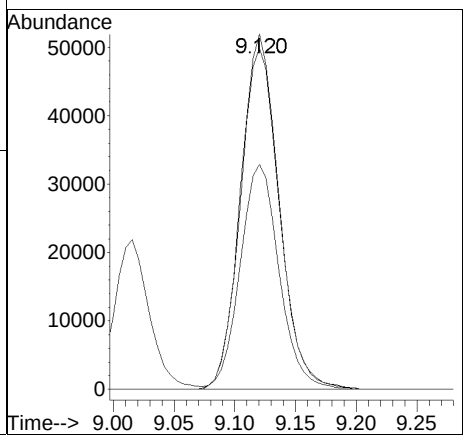


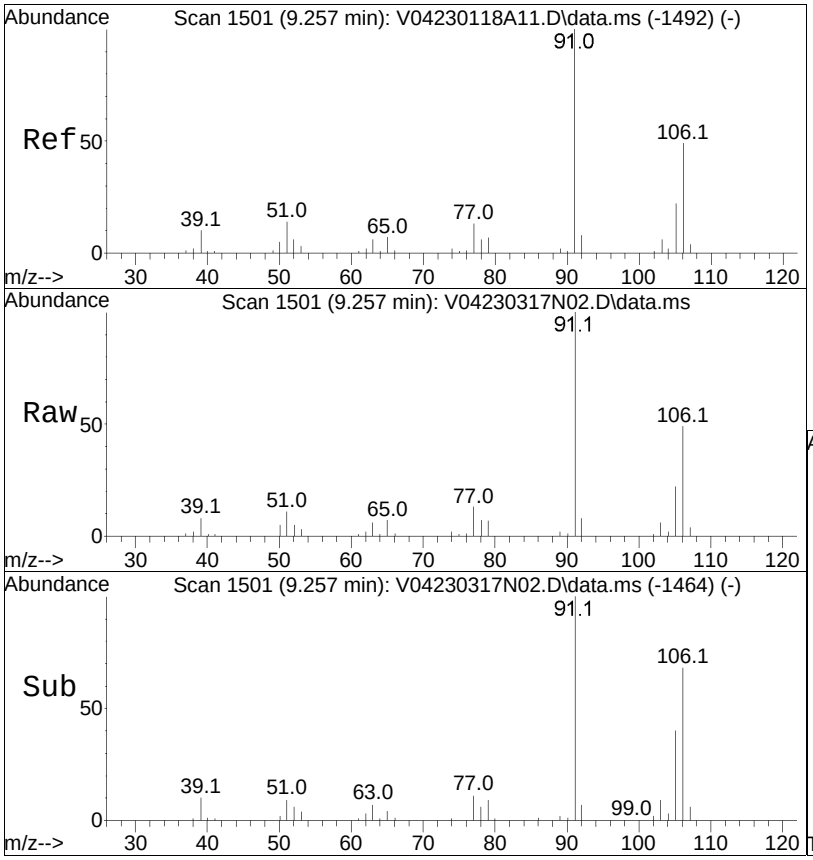


#75
1,1,1,2-Tetrachloroethane
Concen: 47.39 ug/L
RT: 9.120 min Scan# 1475
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:131 Resp: 114605

Ion	Ratio	Lower	Upper
131	100		
133	97.7	77.0	117.0
119	64.2	45.8	85.8

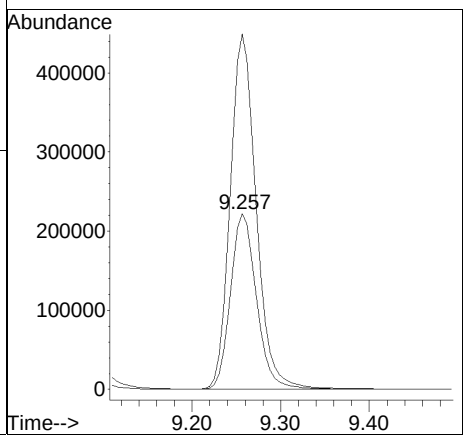


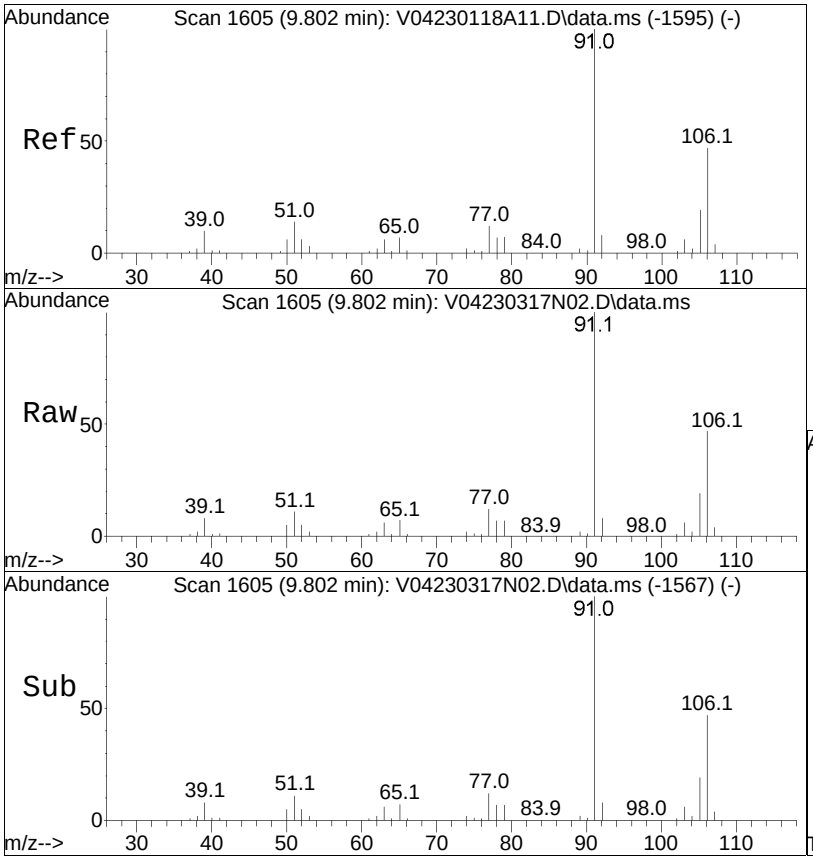


#76
p/m Xylene
Concen: 94.99 ug/L
RT: 9.257 min Scan# 1501
Delta R.T. -0.005 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:106 Resp: 454458

Ion	Ratio	Lower	Upper
106	100		
91	200.4	157.1	235.7

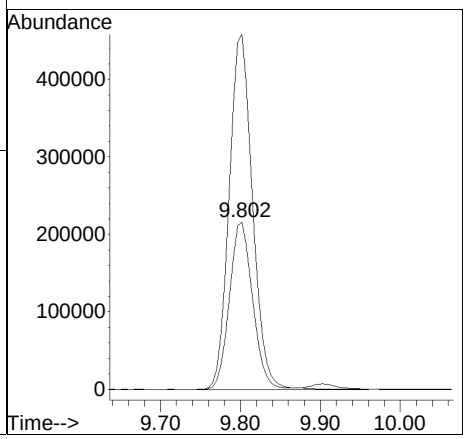


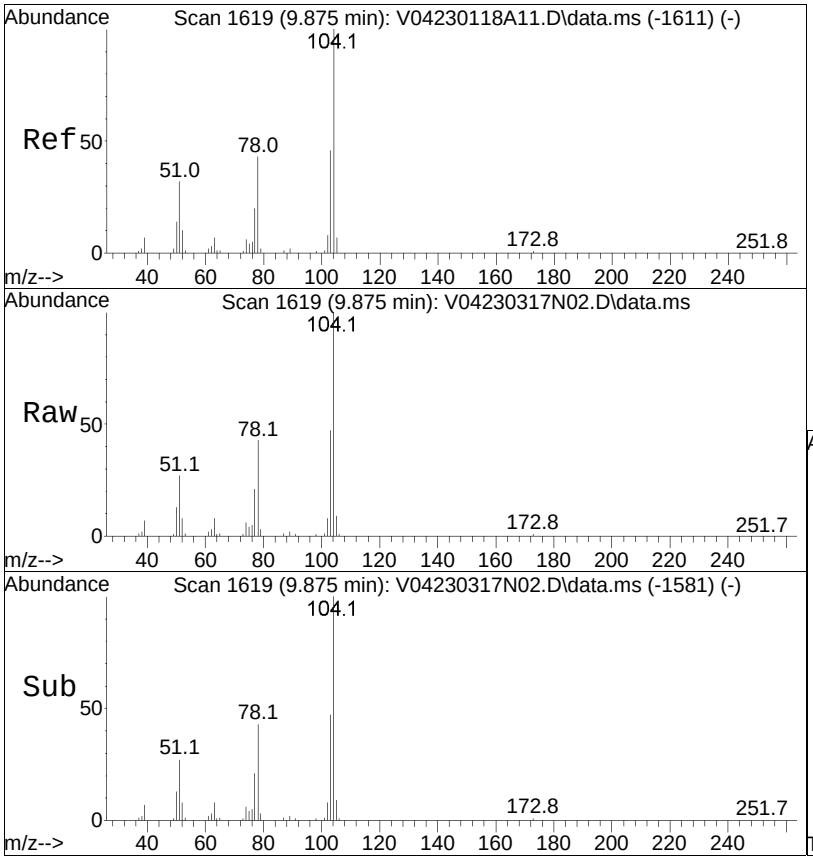


#77
o Xylene
Concen: 95.41 ug/L
RT: 9.802 min Scan# 1605
Delta R.T. -0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:106 Resp: 438170

Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.9	248.9

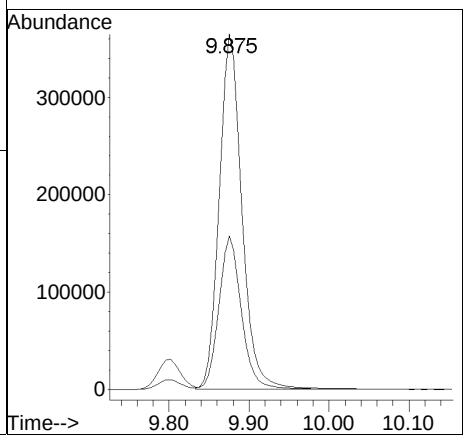


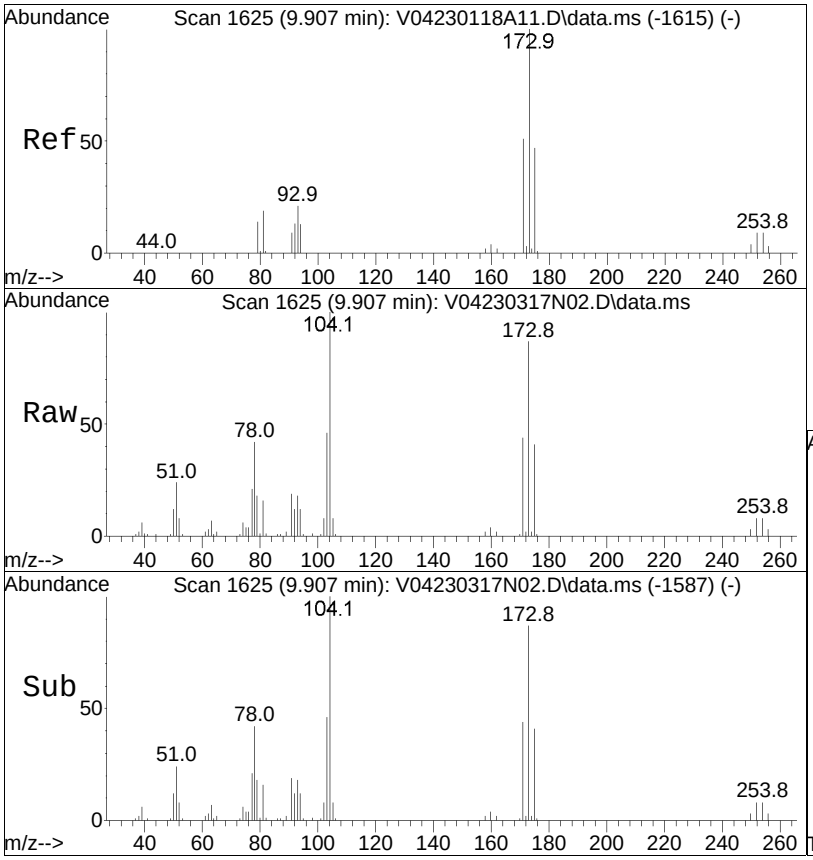


#78
Styrene
Concen: 98.41 ug/L
RT: 9.875 min Scan# 1619
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:104 Resp: 717075

Ion	Ratio	Lower	Upper
104	100		
78	42.9	33.0	49.4

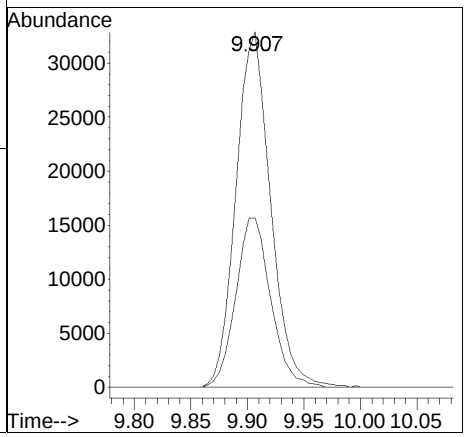


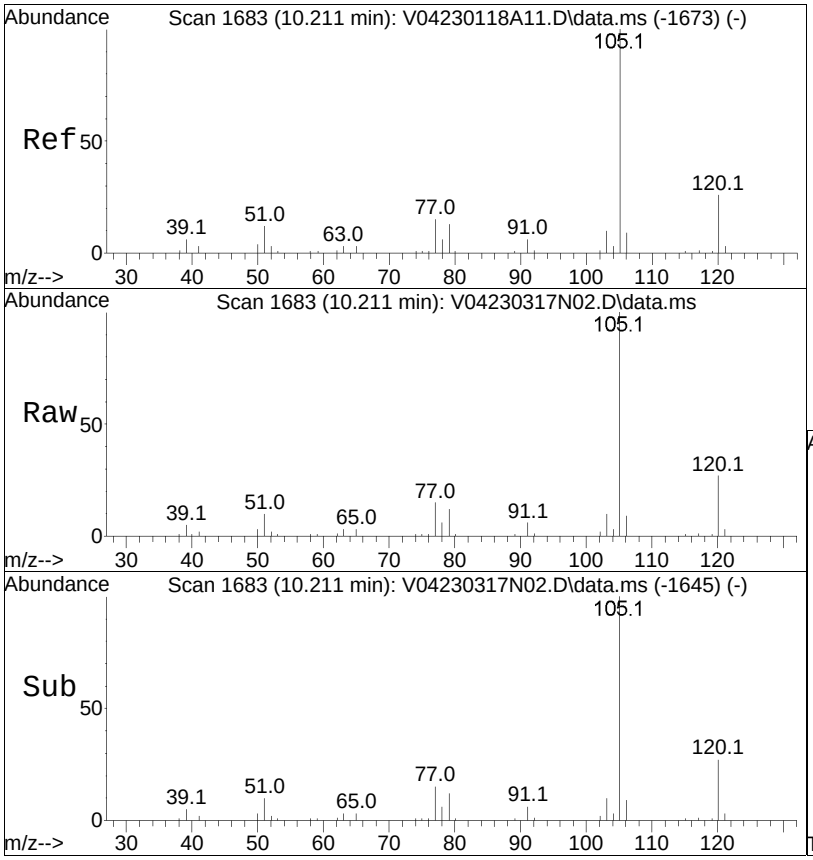


#80
Bromoform
Concen: 42.38 ug/L
RT: 9.907 min Scan# 1625
Delta R.T. -0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:173 Resp: 70280

Ion	Ratio	Lower	Upper
173	100		
175	48.1	28.2	68.2

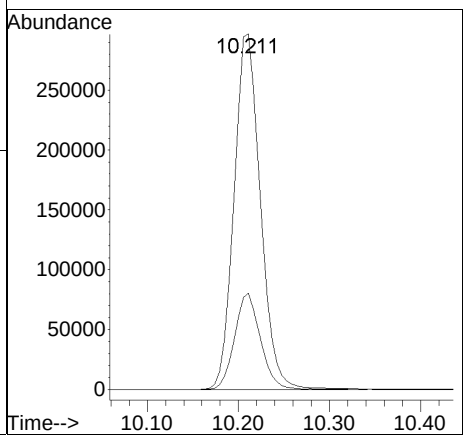


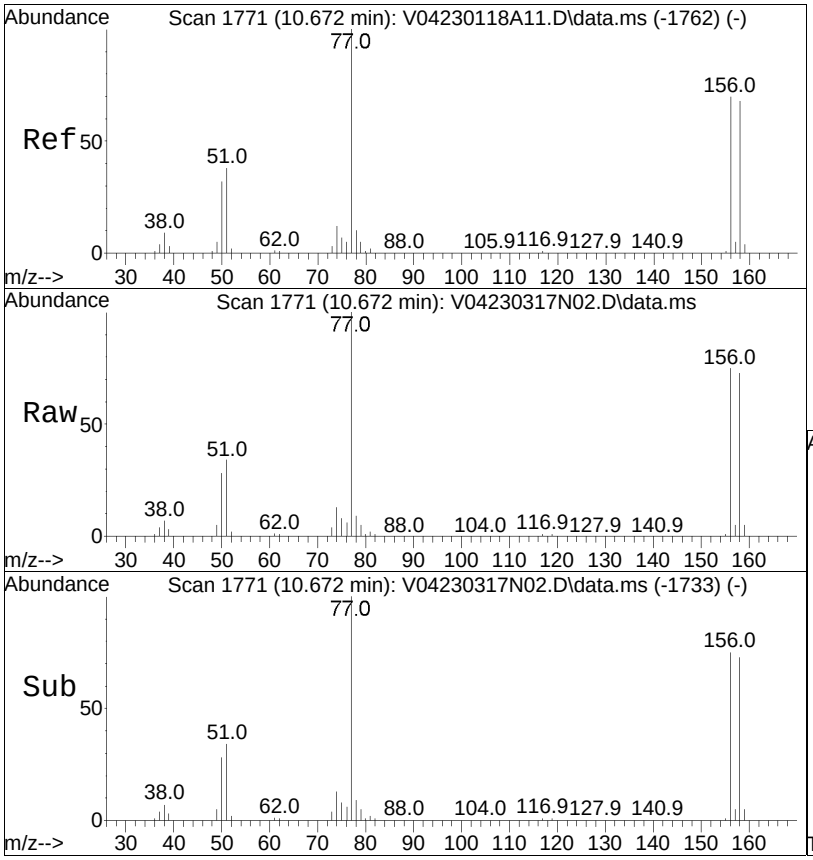


#82
Isopropylbenzene
Concen: 46.83 ug/L
RT: 10.211 min Scan# 1683
Delta R.T. -0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:105 Resp: 597873

Ion	Ratio	Lower	Upper
105	100		
120	26.4	6.0	46.0

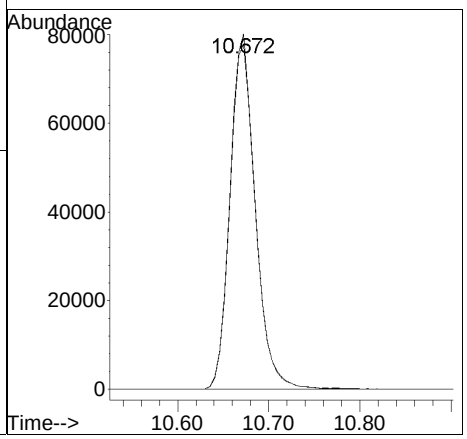


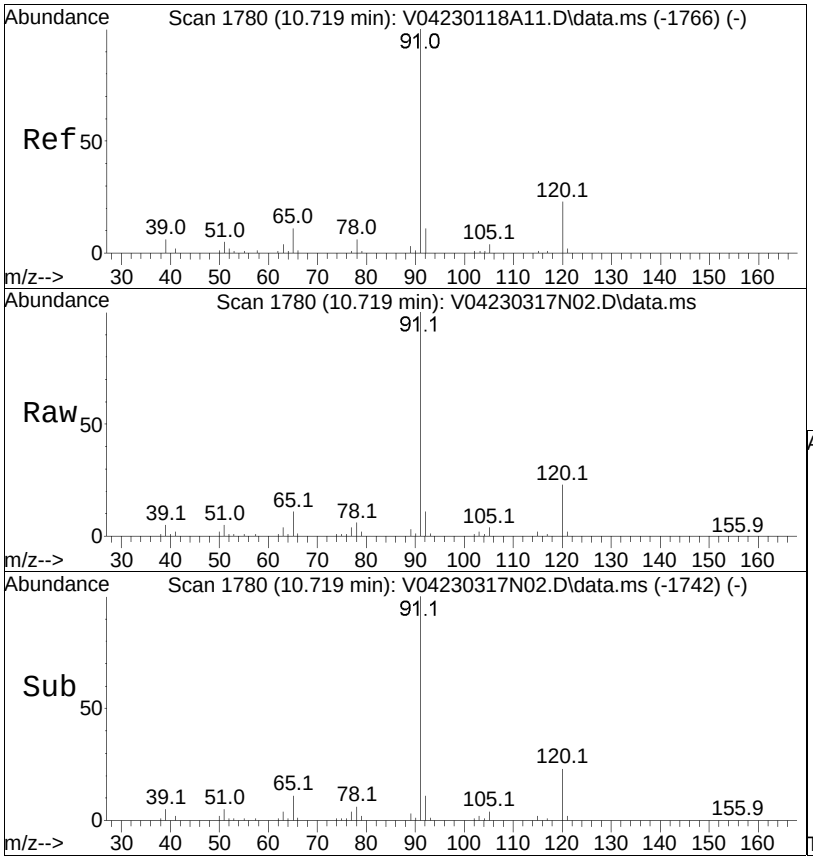


#84
Bromobenzene
Concen: 45.35 ug/L
RT: 10.672 min Scan# 1771
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:156 Resp: 154973

Ion	Ratio	Lower	Upper
156	100		
158	98.3	79.0	118.4

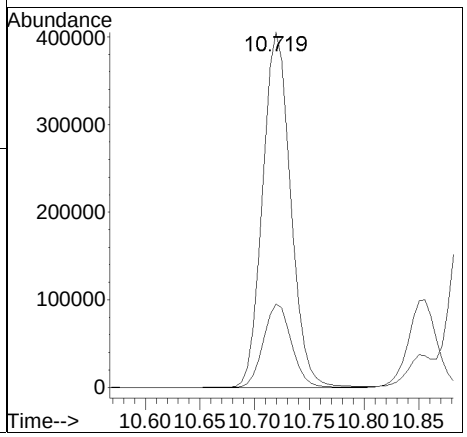


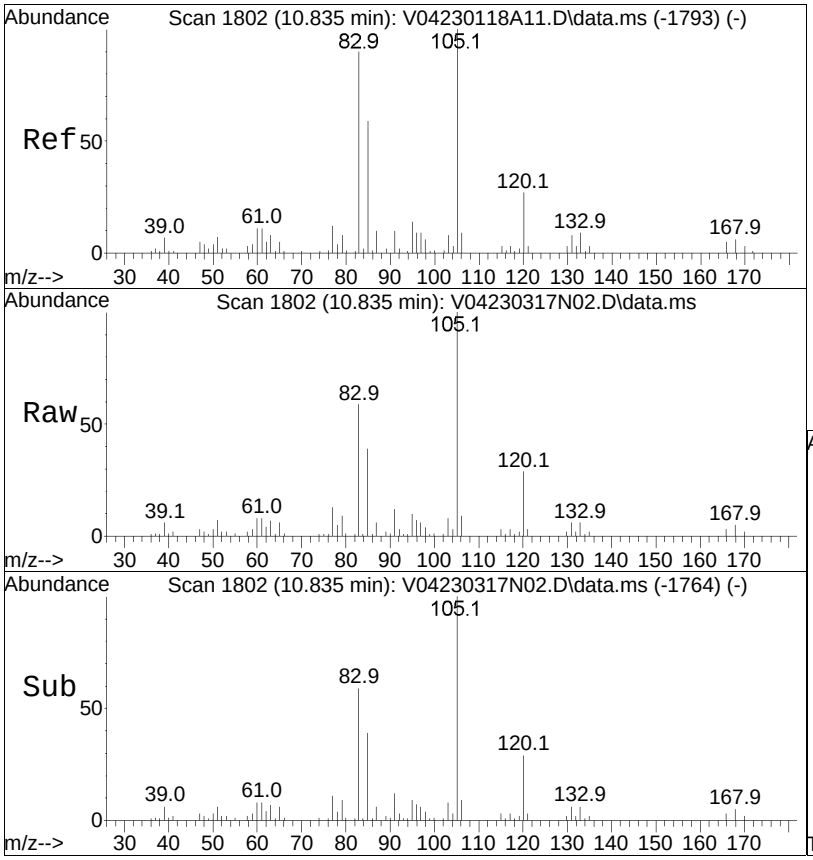


#85
n-Propylbenzene
Concen: 46.14 ug/L
RT: 10.719 min Scan# 1780
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 91 Resp: 723839

Ion	Ratio	Lower	Upper
91	100		
120	23.5	18.9	28.3

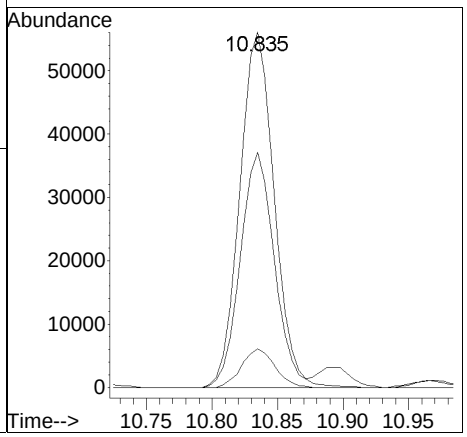


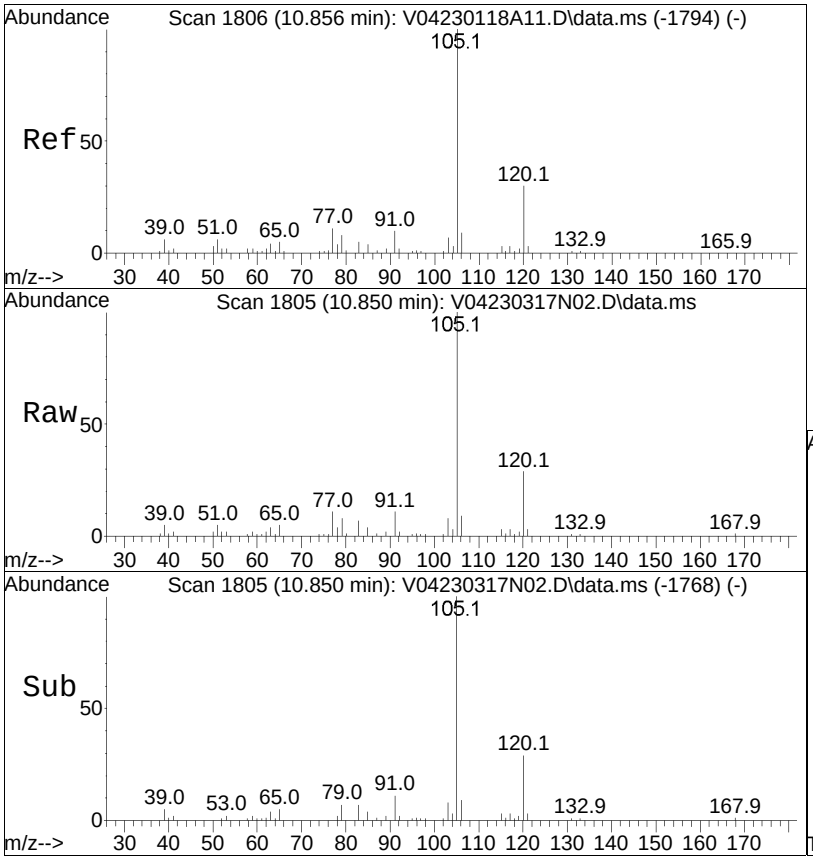


#87
1,1,2,2-Tetrachloroethane
Concen: 40.01 ug/L
RT: 10.835 min Scan# 1802
Delta R.T. -0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 83 Resp: 102340

Ion	Ratio	Lower	Upper
83	100		
131	10.5	0.0	30.7
85	65.4	44.7	84.7

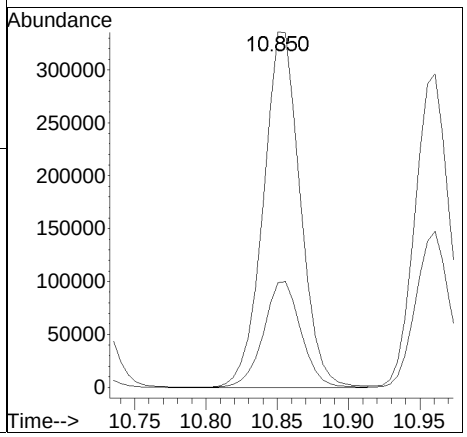


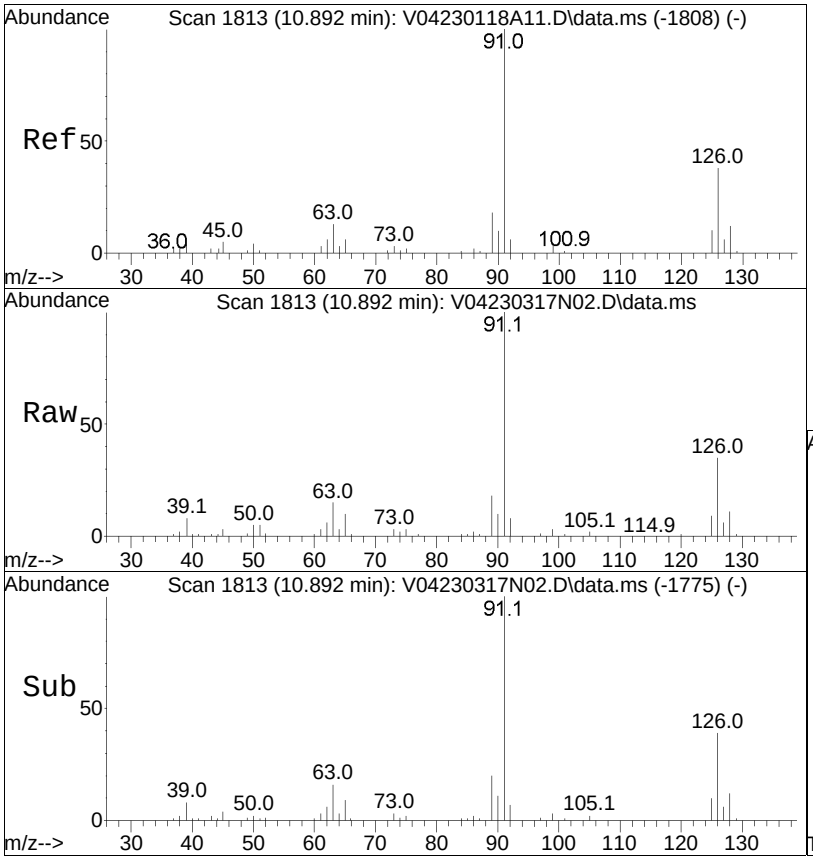


#88
4-Ethyltoluene
Concen: 47.00 ug/L
RT: 10.850 min Scan# 1805
Delta R.T. -0.006 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:105 Resp: 605332

Ion	Ratio	Lower	Upper
105	100		
120	30.0	19.2	40.0

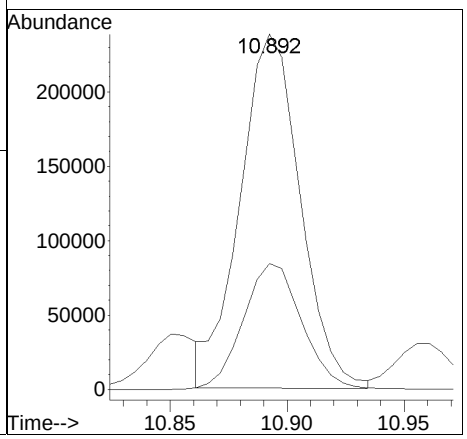


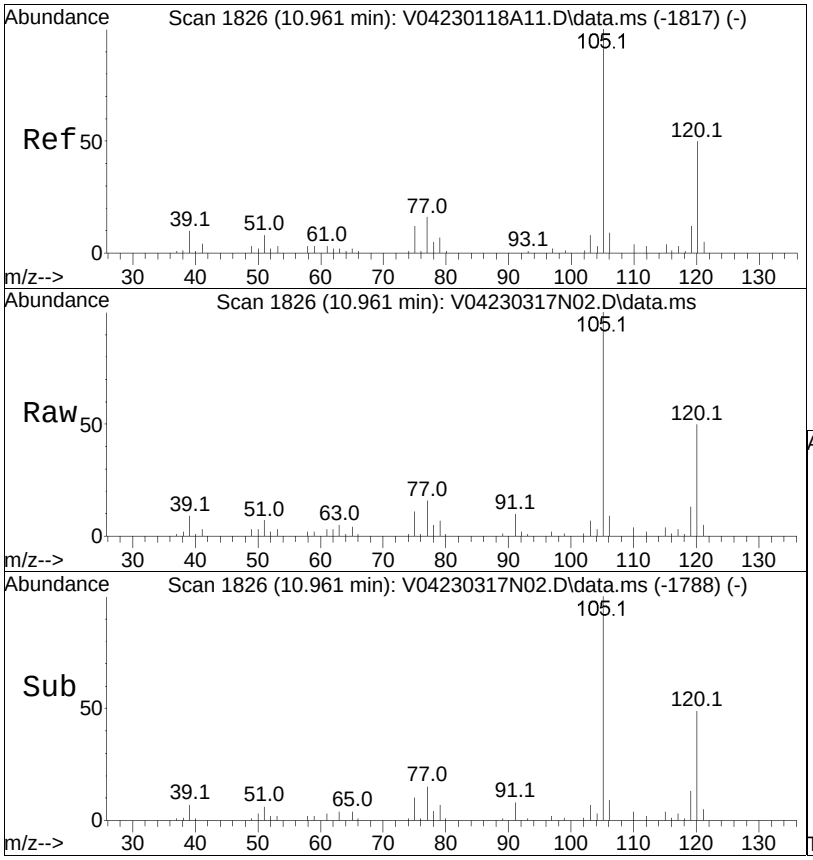


#89
2-Chlorotoluene
Concen: 45.90 ug/L
RT: 10.892 min Scan# 1813
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 91 Resp: 425979

Ion	Ratio	Lower	Upper
91	100		
126	34.8	27.8	41.8

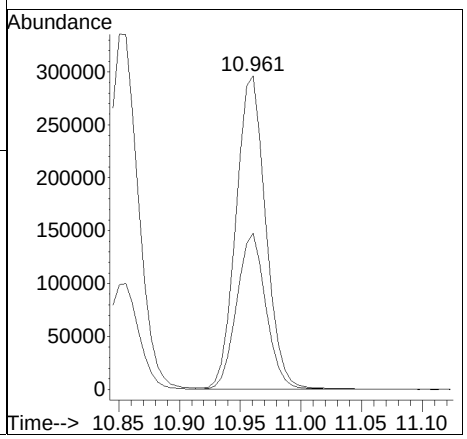


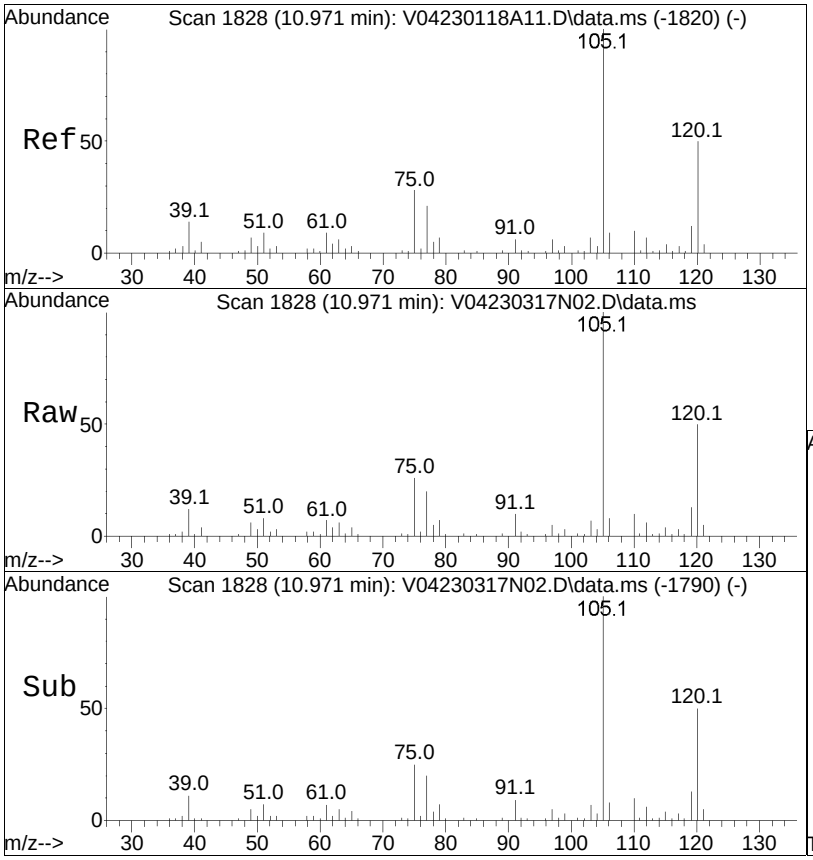


#90
1,3,5-Trimethylbenzene
Concen: 46.14 ug/L
RT: 10.961 min Scan# 1826
Delta R.T. -0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:105 Resp: 504071

Ion	Ratio	Lower	Upper
105	100		
120	48.8	38.4	57.6

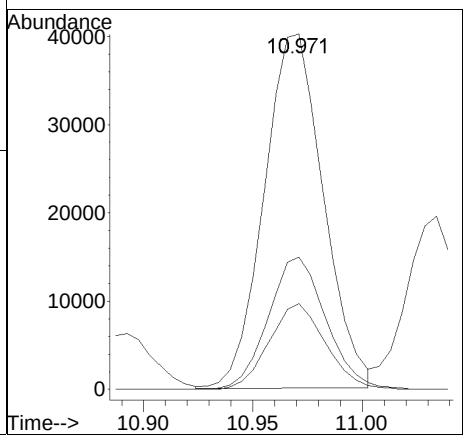


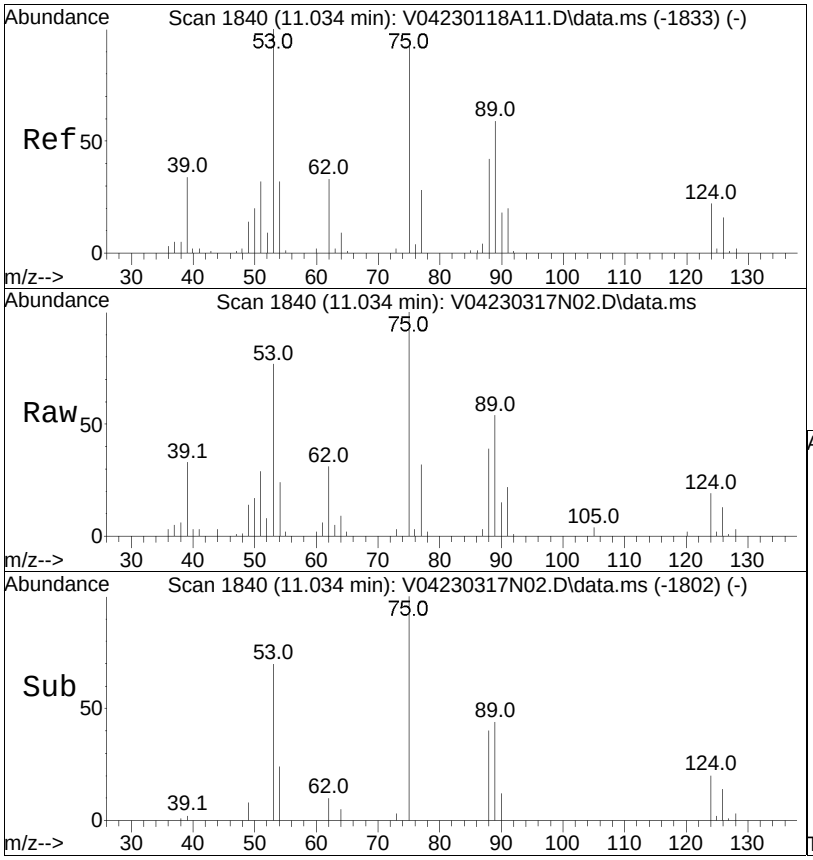


#91
1,2,3-Trichloropropane
Concen: 40.50 ug/L
RT: 10.971 min Scan# 1828
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 75 Resp: 75823

Ion	Ratio	Lower	Upper
75	100		
110	36.3	24.6	51.2
112	23.0	15.5	32.3

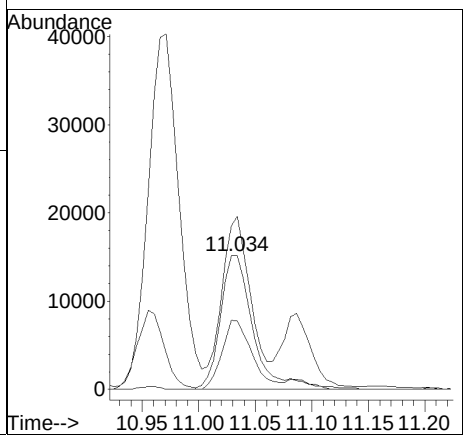


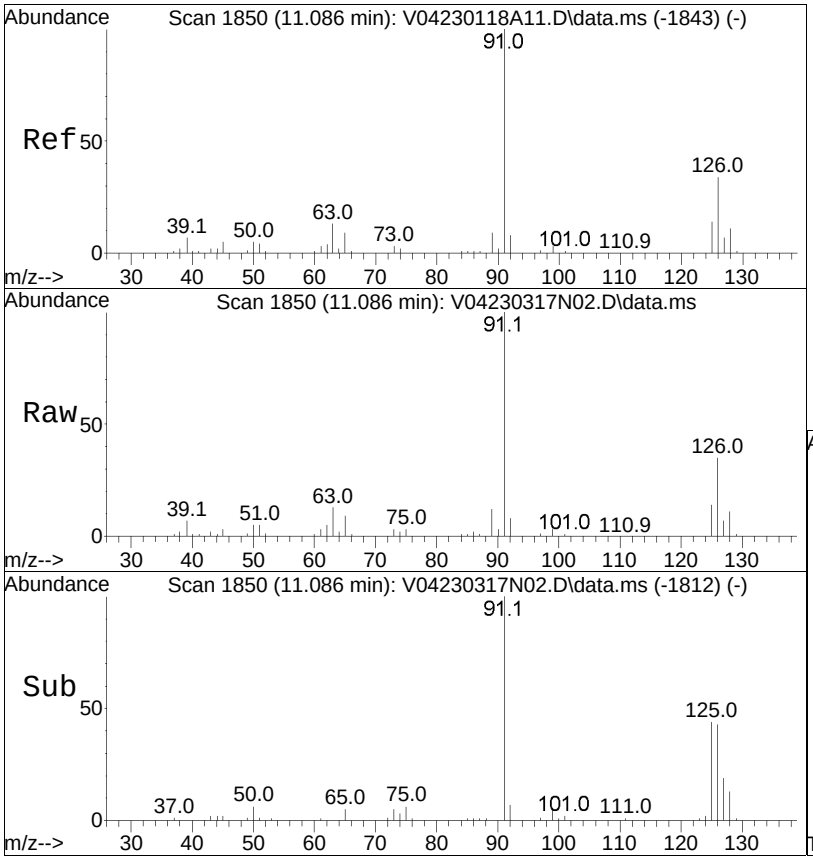


#92
trans-1,4-Dichloro-2-butene
Concen: 39.18 ug/L
RT: 11.034 min Scan# 1840
Delta R.T. -0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 53 Resp: 30773

Ion	Ratio	Lower	Upper
53	100		
88	47.8	35.5	53.3
75	110.2	82.8	124.2

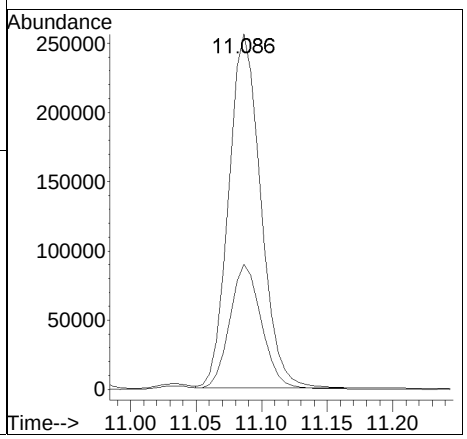


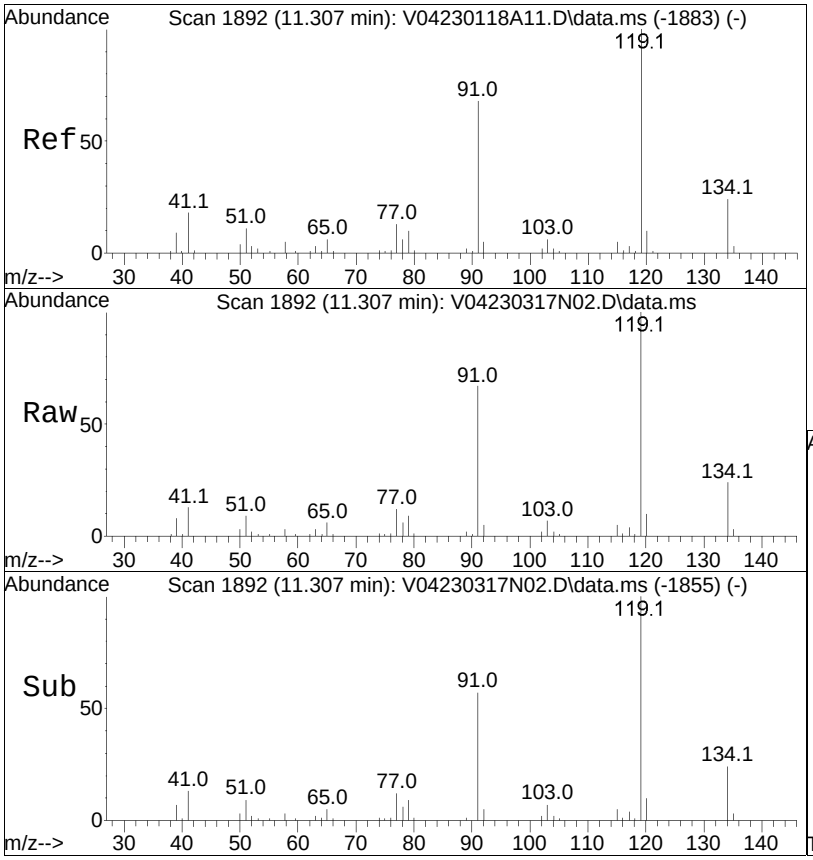


#93
4-Chlorotoluene
Concen: 45.82 ug/L
RT: 11.086 min Scan# 1850
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 91 Resp: 435379

Ion	Ratio	Lower	Upper
91	100		
126	35.3	27.6	41.4

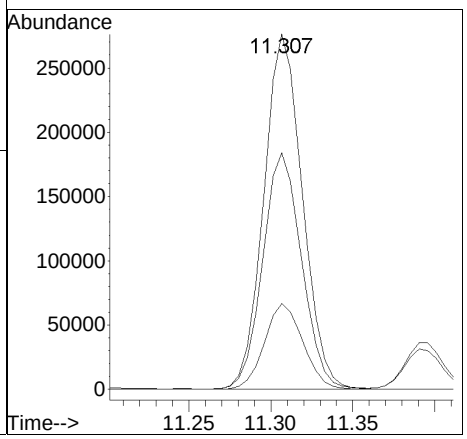


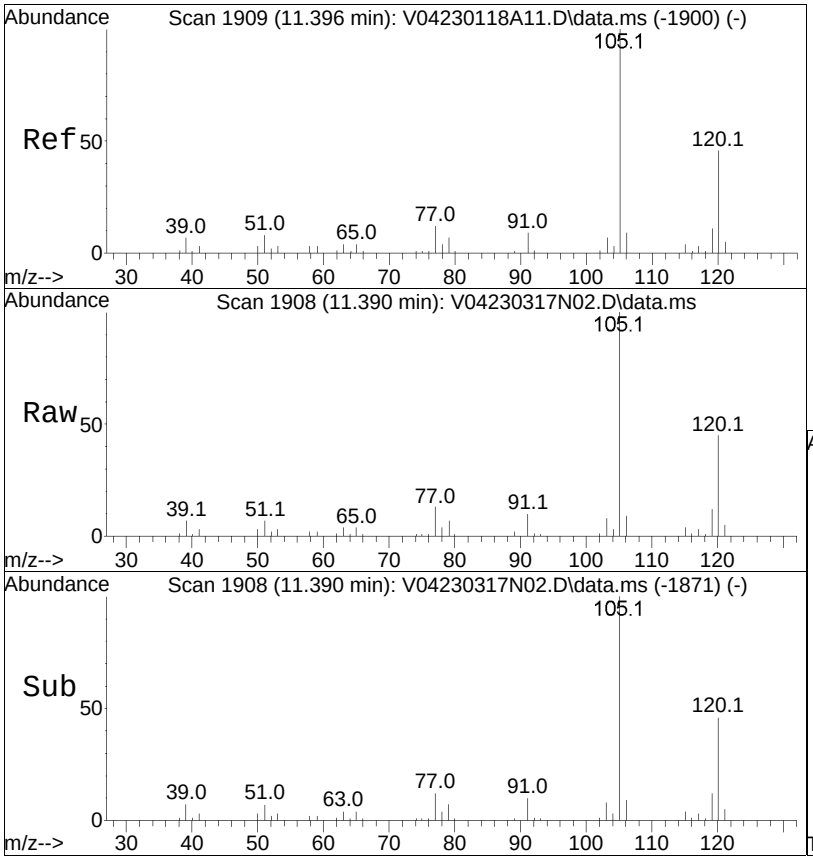


#94
tert-Butylbenzene
Concen: 47.49 ug/L
RT: 11.307 min Scan# 1892
Delta R.T. -0.005 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:119 Resp: 453054

Ion	Ratio	Lower	Upper
119	100		
91	66.6	53.0	79.6
134	24.1	19.6	29.4

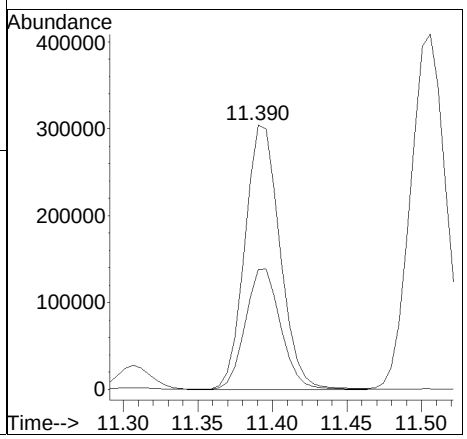


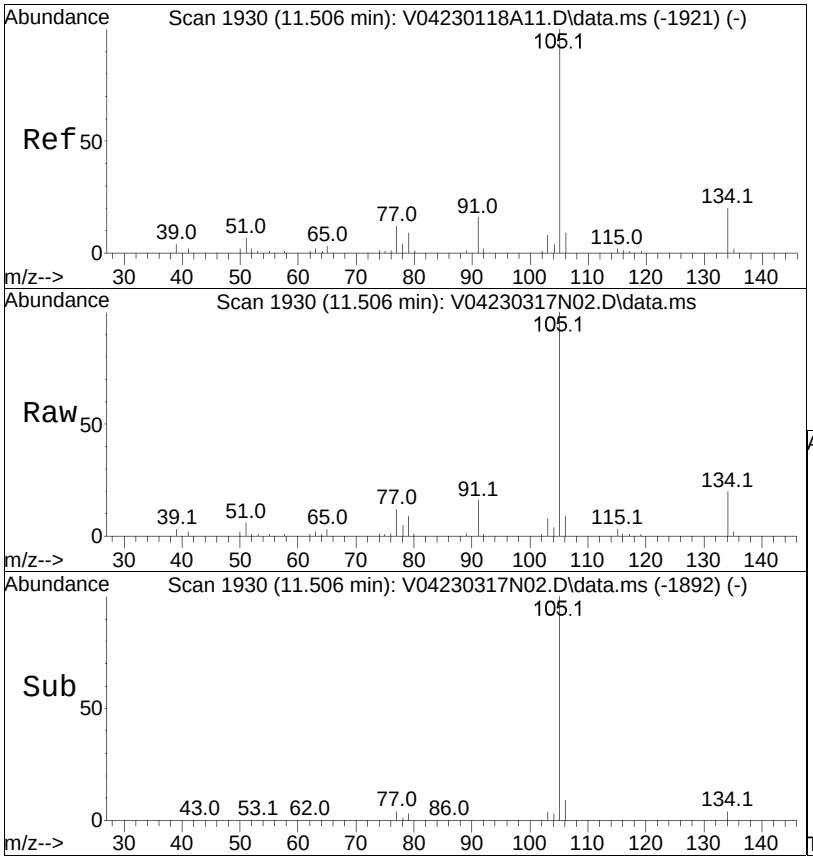


#97
1,2,4-Trimethylbenzene
Concen: 46.20 ug/L
RT: 11.390 min Scan# 1908
Delta R.T. -0.006 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:105 Resp: 499014

Ion	Ratio	Lower	Upper
105	100		
120	45.6	36.4	54.6

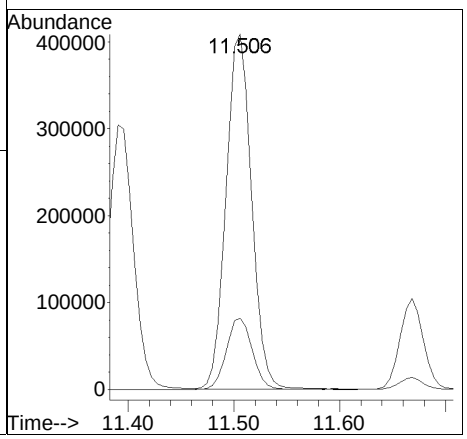


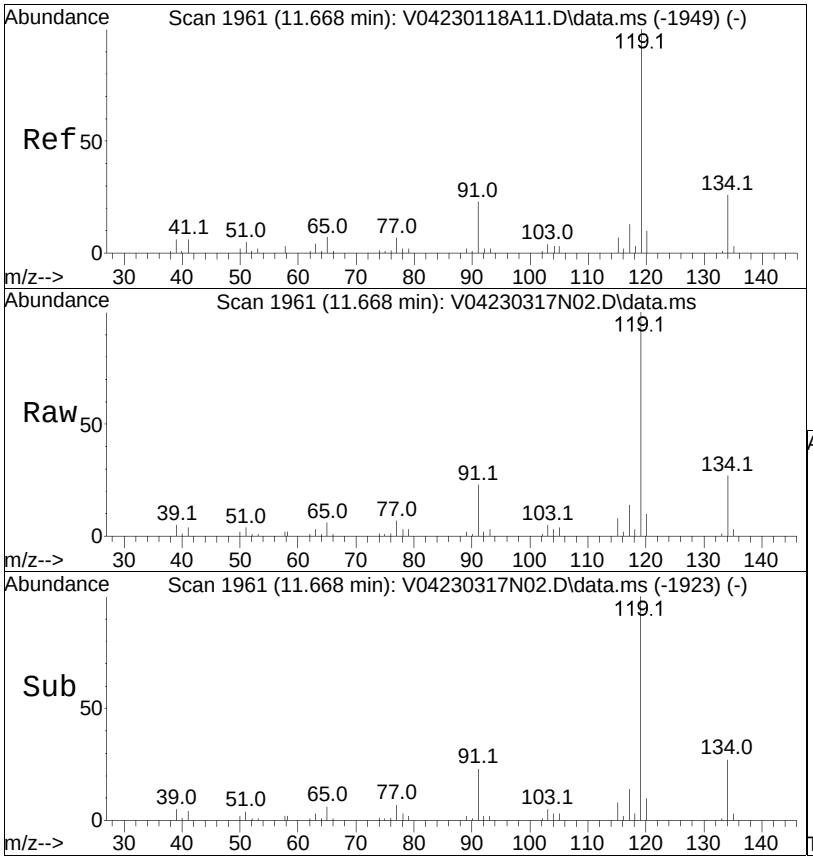


#98
sec-Butylbenzene
Concen: 47.32 ug/L
RT: 11.506 min Scan# 1930
Delta R.T. -0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:105 Resp: 684396

Ion	Ratio	Lower	Upper
105	100		
134	20.3	12.9	26.9

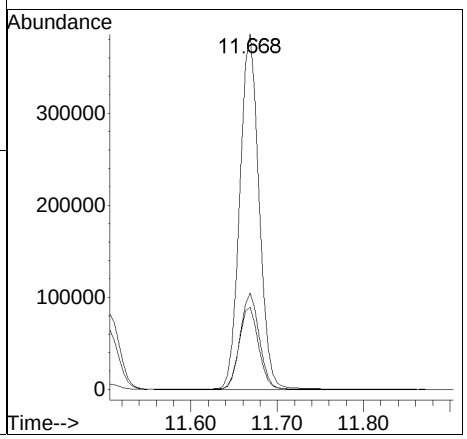


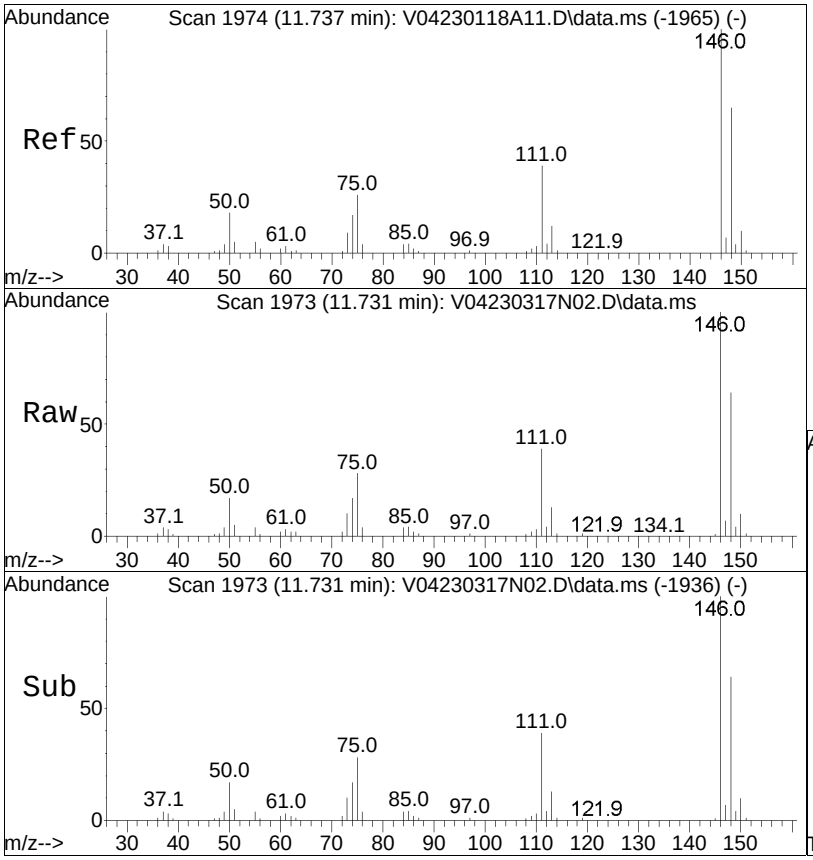


#99
p-Isopropyltoluene
Concen: 48.44 ug/L
RT: 11.668 min Scan# 1961
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:119 Resp: 599465

Ion	Ratio	Lower	Upper
119	100		
134	26.9	17.1	35.5
91	23.7	14.8	30.6

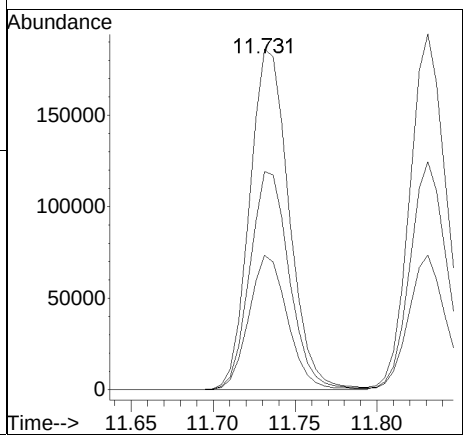


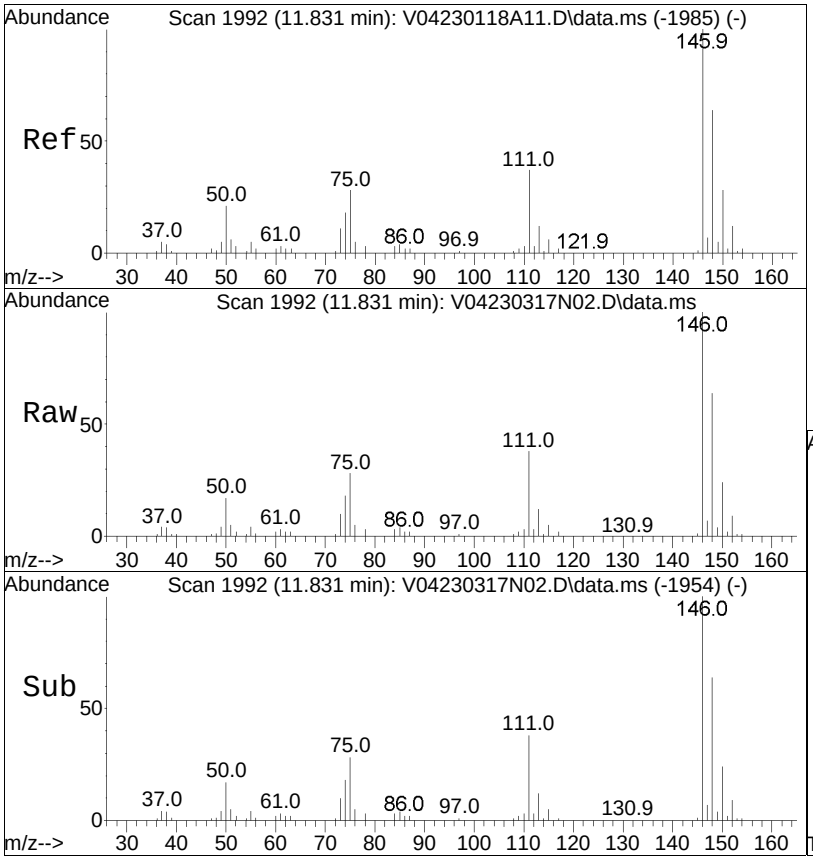


#100
1,3-Dichlorobenzene
Concen: 47.04 ug/L
RT: 11.731 min Scan# 1973
Delta R.T. -0.006 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:146 Resp: 311212

Ion	Ratio	Lower	Upper
146	100		
111	38.5	24.8	51.6
148	63.9	41.6	86.4

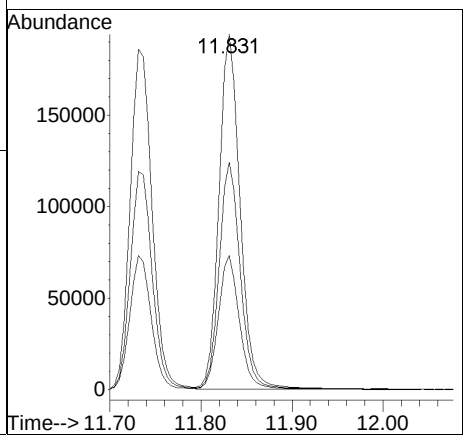


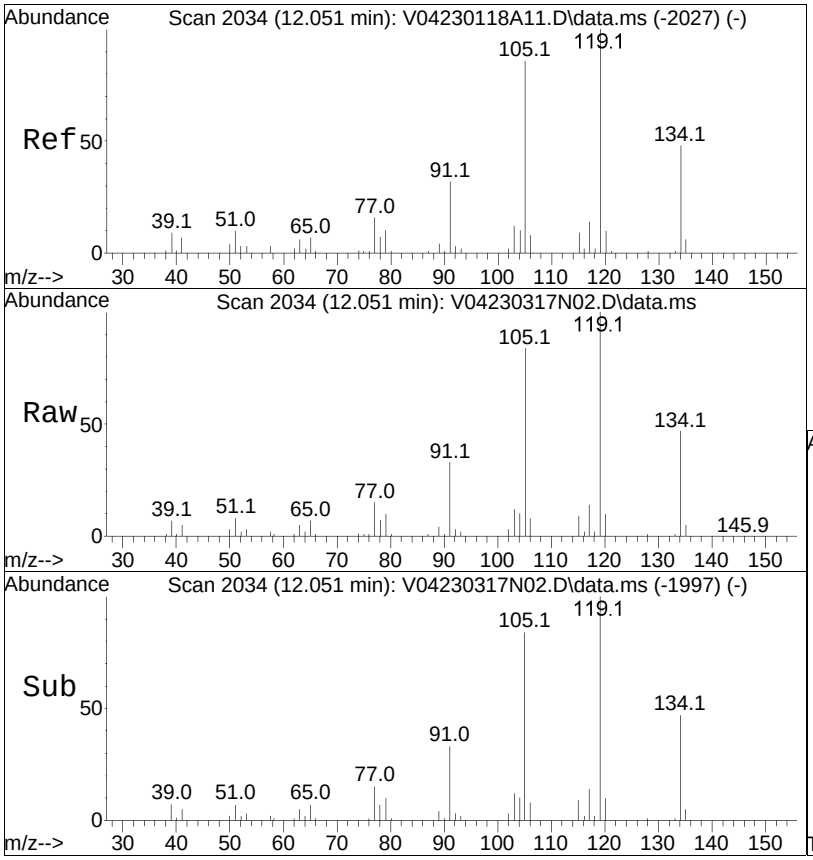


#101
1,4-Dichlorobenzene
Concen: 45.67 ug/L
RT: 11.831 min Scan# 1992
Delta R.T. -0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:146 Resp: 312690

Ion	Ratio	Lower	Upper
146	100		
111	37.7	30.2	45.2
148	64.1	50.6	76.0

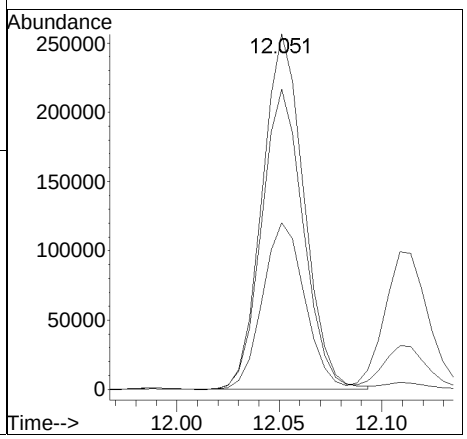


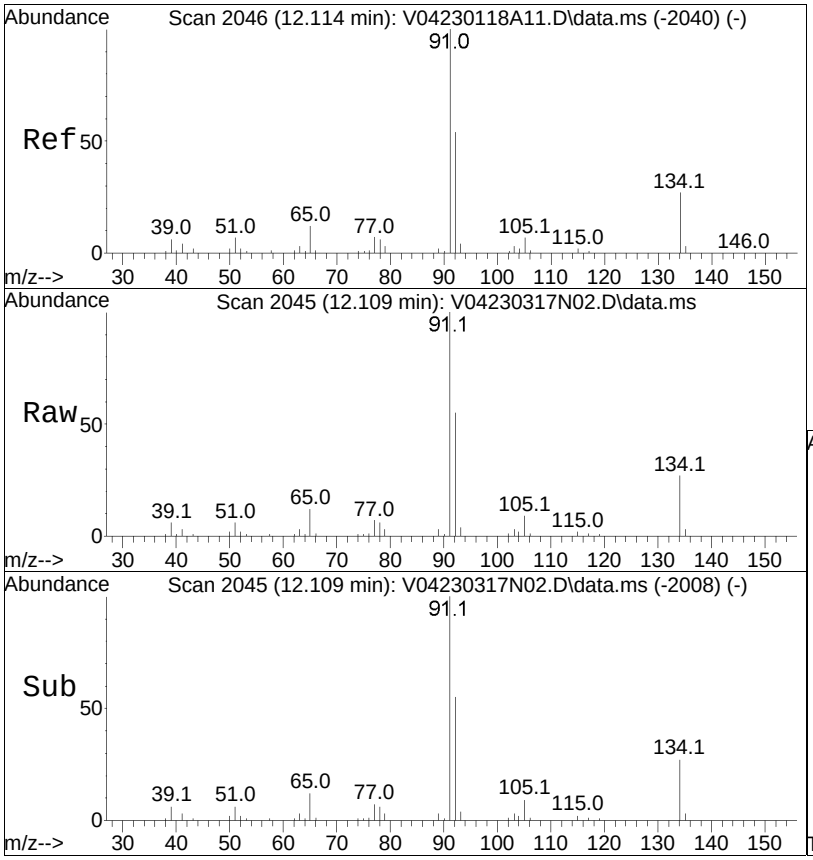


#102
p-Diethylbenzene
Concen: 47.98 ug/L
RT: 12.051 min Scan# 2034
Delta R.T. -0.005 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:119 Resp: 362515

Ion	Ratio	Lower	Upper
119	100		
105	84.6	55.6	115.6
134	47.6	30.7	63.9

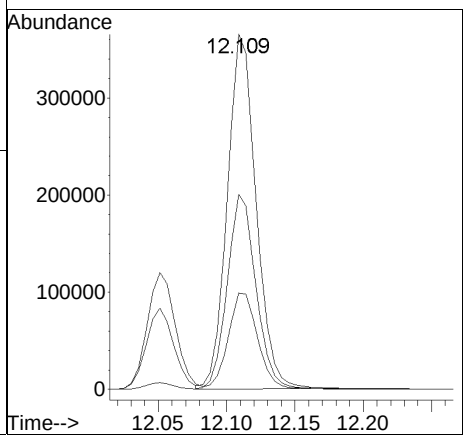


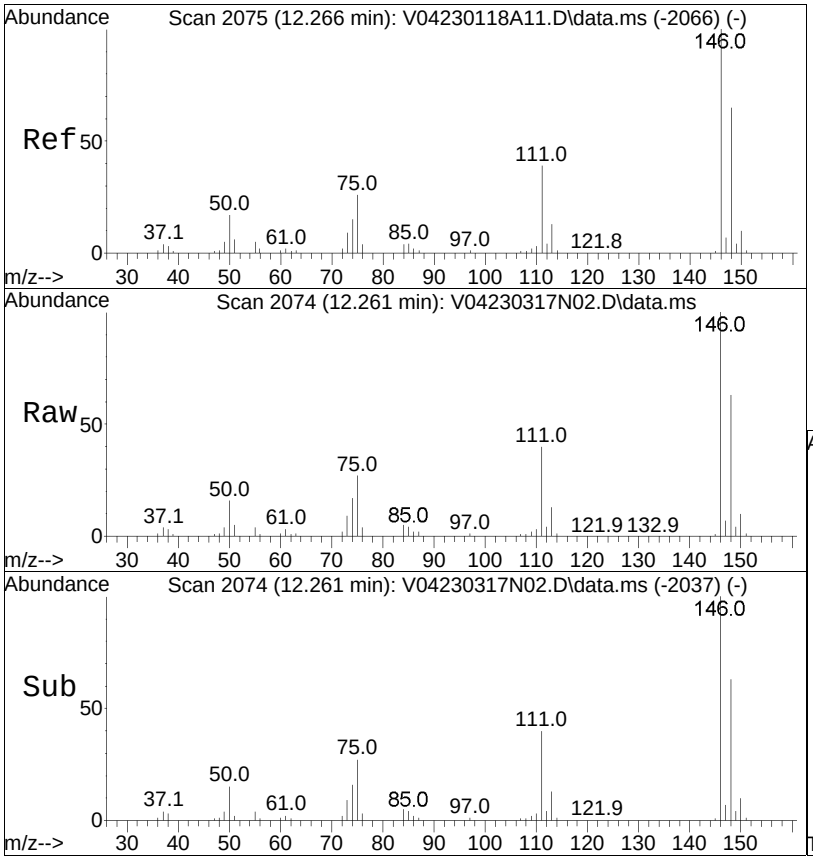


#103
n-Butylbenzene
Concen: 48.27 ug/L
RT: 12.109 min Scan# 2045
Delta R.T. -0.005 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion: 91 Resp: 535518

Ion	Ratio	Lower	Upper
91	100		
92	54.8	43.4	65.2
134	27.8	21.5	32.3

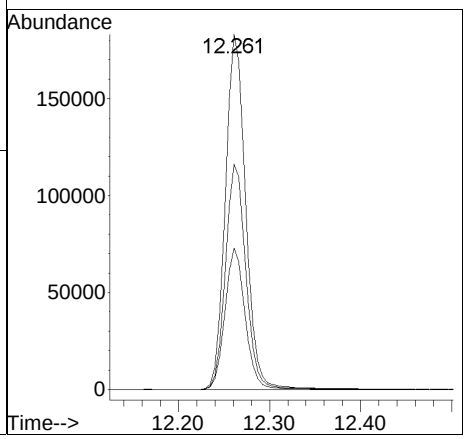


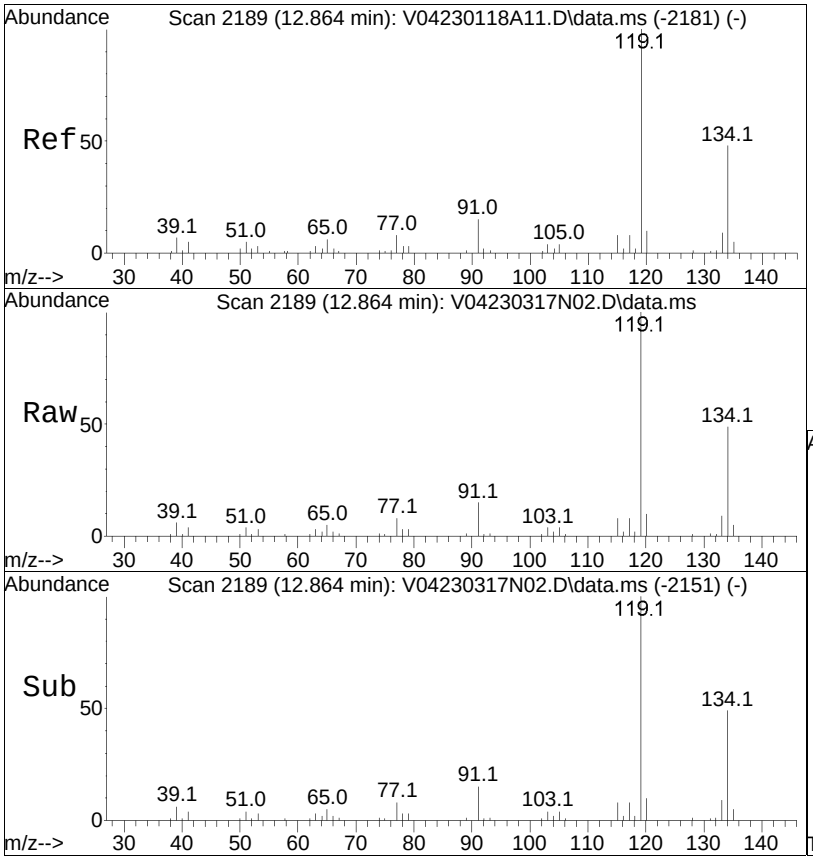


#104
1,2-Dichlorobenzene
Concen: 46.06 ug/L
RT: 12.261 min Scan# 2074
Delta R.T. -0.005 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:146 Resp: 284453

Ion	Ratio	Lower	Upper
146	100		
111	39.4	25.5	52.9
148	63.6	40.8	84.8

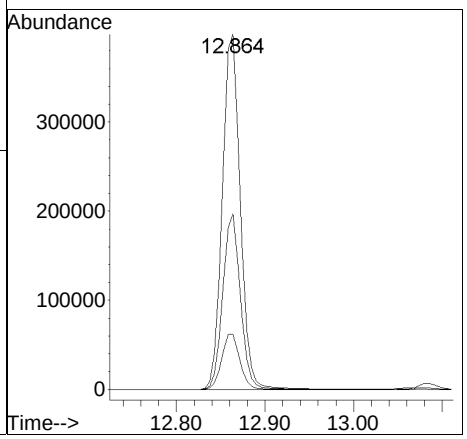


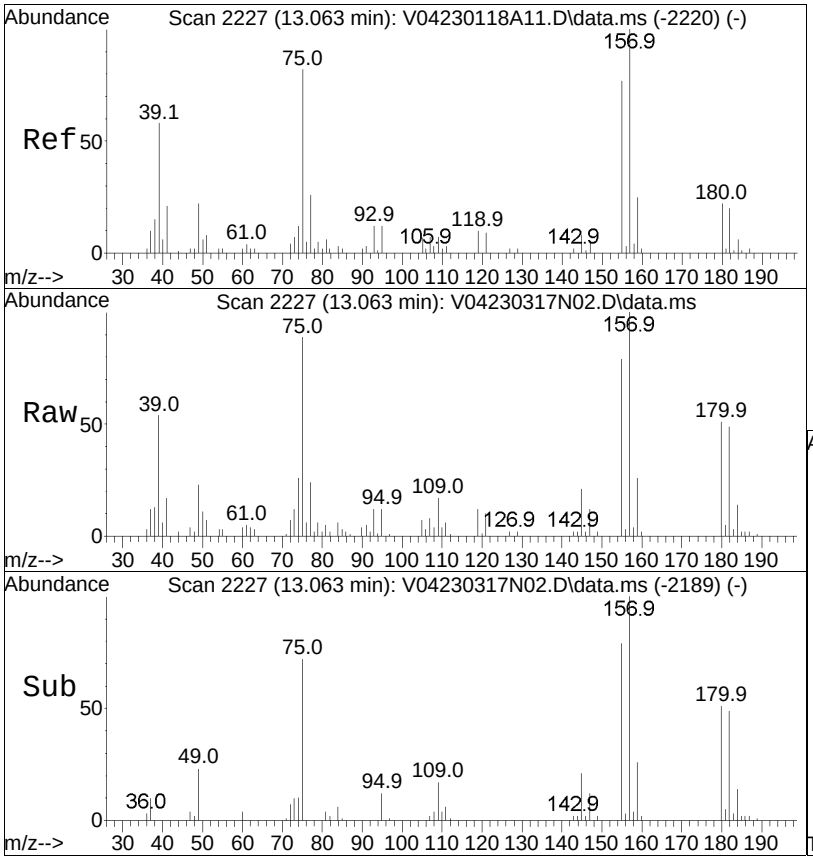


#105
1,2,4,5-Tetramethylbenzene
Concen: 47.77 ug/L
RT: 12.864 min Scan# 2189
Delta R.T. -0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:119 Resp: 562355

Ion	Ratio	Lower	Upper
119	100		
134	48.6	31.3	64.9
91	15.8	10.1	21.1

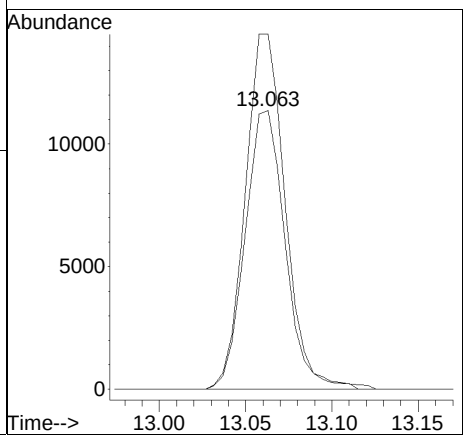


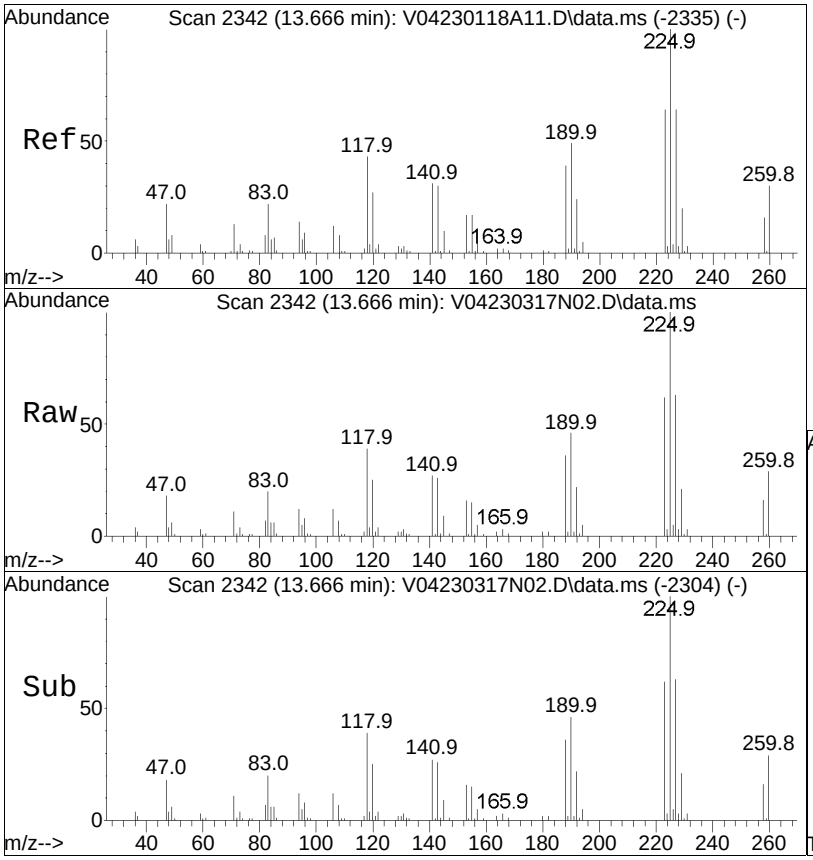


#106
1,2-Dibromo-3-chloropropane
Concen: 41.48 ug/L
RT: 13.063 min Scan# 2227
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:155 Resp: 18373

Ion	Ratio	Lower	Upper
155	100		
157	127.4	103.2	154.8

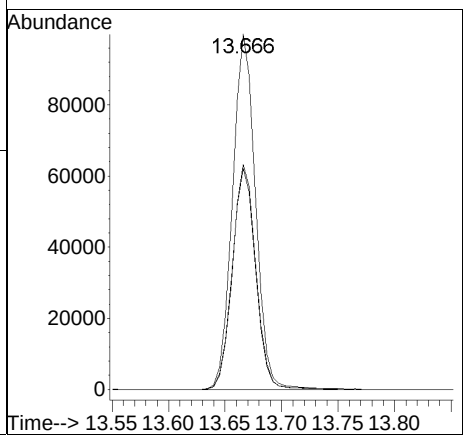


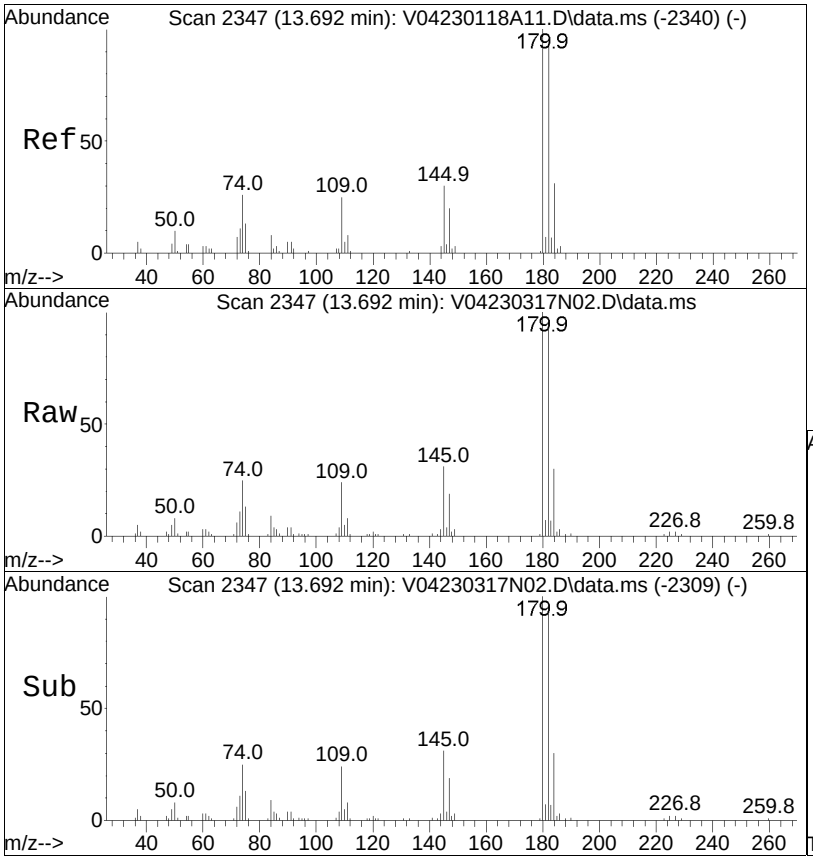


#108
Hexachlorobutadiene
Concen: 53.57 ug/L
RT: 13.666 min Scan# 2342
Delta R.T. -0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:225 Resp: 141528

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.7	76.1
227	64.1	50.7	76.1

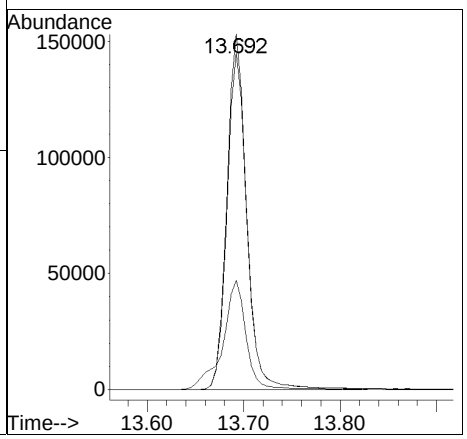


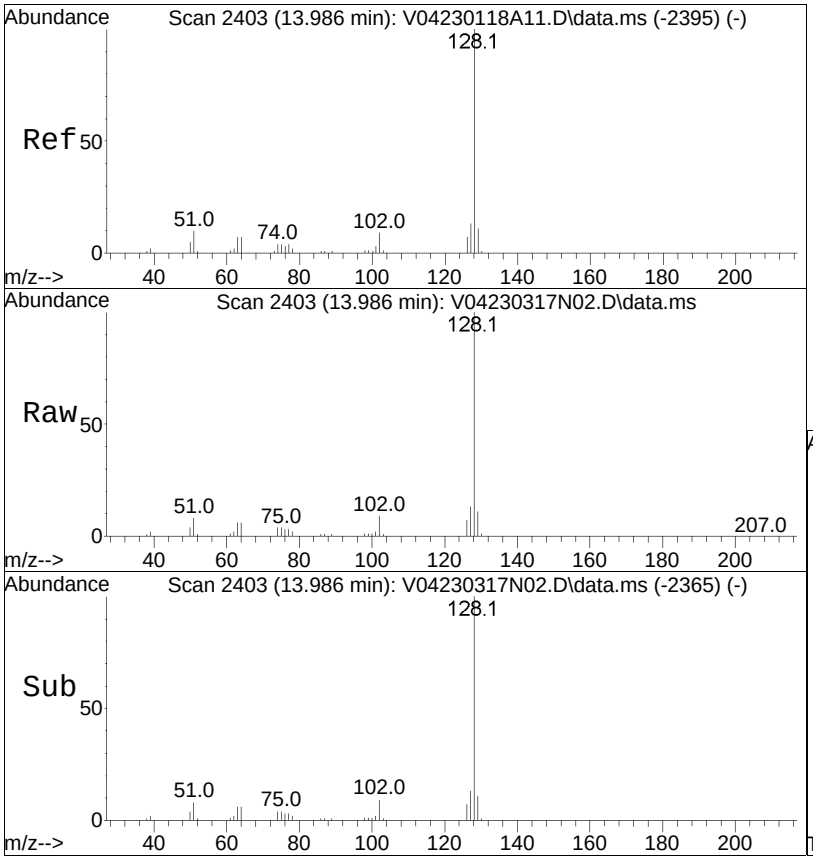


#109
1,2,4-Trichlorobenzene
Concen: 49.31 ug/L
RT: 13.692 min Scan# 2347
Delta R.T. 0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:180 Resp: 219582

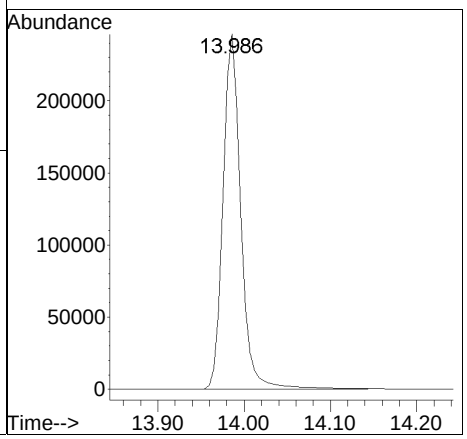
Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.0	115.4
145	35.8	28.4	42.6

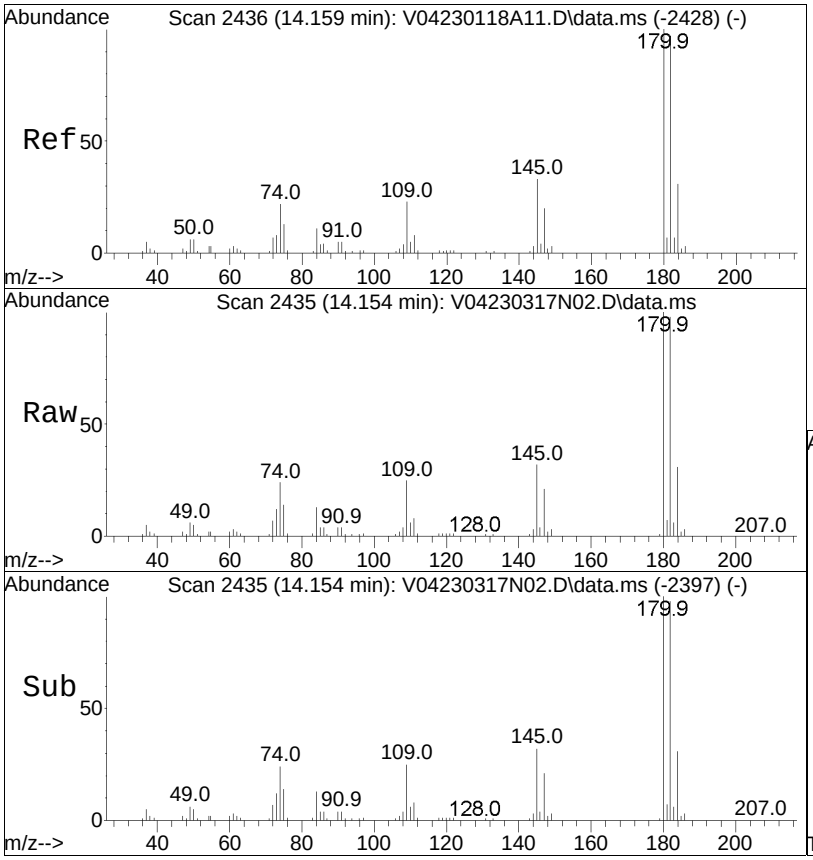




#110
Naphthalene
Concen: 42.07 ug/L
RT: 13.986 min Scan# 2403
Delta R.T. -0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:128 Resp: 354668

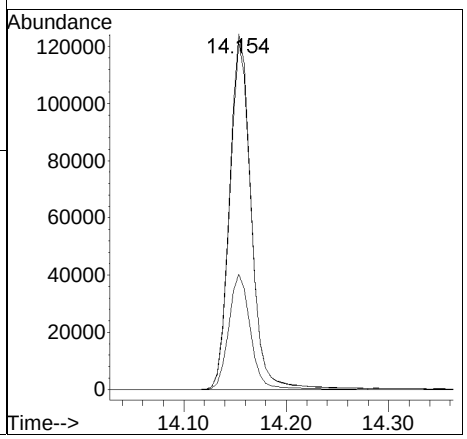




#111
1,2,3-Trichlorobenzene
Concen: 46.52 ug/L
RT: 14.154 min Scan# 2435
Delta R.T. -0.000 min
Lab File: V04230317N02.D
Acq: 17 Mar 2023 3:41 pm

Tgt Ion:180 Resp: 183705

Ion	Ratio	Lower	Upper
180	100		
182	97.2	75.9	113.9
145	32.2	25.8	38.6



Manual Integration Report

Data Path	: I:\VOLATILES\VOA104\2023\2	Method	: V104_230118A_8260.m
Data File	: V04230317N02.D	Operator	: VOA104:TMS
Date Inj'd	: 3/17/2023 3:41 pm	Instrument	: VOA104
Sample	: WG1756211-3,31,5,5	Quant Date	: 3/17/2023 4:03 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317N02.D
Acq On : 17 Mar 2023 07:19 pm
Operator : VOA122:PID
Sample : WG1756621-4,31,10,10
Misc : WG1756621,ICAL19808
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 17 19:42:03 2023
Quant Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230317N\V22230317N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.292	96	347846	10.000	ug/L	0.00
Standard Area 1 = 370064			Recovery = 94.00%			
62) Chlorobenzene-d5	9.874	117	270094	10.000	ug/L	0.00
Standard Area 1 = 281467			Recovery = 95.96%			
83) 1,4-Dichlorobenzene-d4	12.508	152	137877	10.000	ug/L	0.00
Standard Area 1 = 142023			Recovery = 97.08%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.461	113	107995	10.189	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.89%			
46) 1,2-Dichloroethane-d4	6.004	65	102630	9.697	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.97%			
63) Toluene-d8	8.009	98	356492	10.073	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.73%			
87) 4-Bromofluorobenzene	11.325	95	128382	9.977	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.77%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.689	85	50723	10.723	ug/L	99
3) Chloromethane	1.899	50	59113	10.204	ug/L	97
4) Vinyl chloride	1.975	62	72903	11.330	ug/L	99
5) Bromomethane	2.317	94	29554	7.945	ug/L	99
6) Chloroethane	2.442	64	48537	11.003	ug/L	100
7) Trichlorofluoromethane	2.596	101	83633	11.063	ug/L	98
8) Ethyl ether	2.923	74	17821	9.625	ug/L #	1
10) 1,1-Dichloroethene	3.125	96	50624	11.143	ug/L	88
11) Carbon disulfide	3.160	76	131613	9.572	ug/L	100
15) Methylene chloride	3.704	84	54302	10.513	ug/L	85
17) Acetone	3.746	43	9448	9.612	ug/L	98
18) trans-1,2-Dichloroethene	3.871	96	53370	10.460	ug/L	88
21) Methyl tert-butyl ether	3.969	73	78695	9.419	ug/L	93
25) 1,1-Dichloroethane	4.478	63	98799	10.347	ug/L	97
27) Acrylonitrile	4.520	53	9947	9.311	ug/L	92
29) Vinyl acetate	4.715	43	62310	7.941	ug/L #	92
30) cis-1,2-Dichloroethene	5.008	96	58543	10.628	ug/L	91
31) 2,2-Dichloropropane	5.119	77	77239	10.593	ug/L	94
32) Bromochloromethane	5.210	128	26559	10.480	ug/L #	87
34) Chloroform	5.279	83	90868	10.186	ug/L	97

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317N02.D
Acq On : 17 Mar 2023 07:19 pm
Operator : VOA122:PID
Sample : WG1756621-4,31,10,10
Misc : WG1756621,ICAL19808
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 17 19:42:03 2023
Quant Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230317N\V22230317N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon tetrachloride	5.426	117	66189	10.522	ug/L		97
39) 1,1,1-Trichloroethane	5.495	97	82499	10.941	ug/L		97
41) 2-Butanone	5.579	43	10689	8.709	ug/L	#	61
42) 1,1-Dichloropropene	5.614	75	63723	9.807	ug/L		98
44) Benzene	5.871	78	179349	9.994	ug/L		96
47) 1,2-Dichloroethane	6.071	62	59215	9.987	ug/L		98
51) Trichloroethene	6.469	95	53048	9.738	ug/L		97
53) Dibromomethane	6.919	93	27288	10.127	ug/L	#	82
54) 1,2-Dichloropropane	7.029	63	48975	10.124	ug/L		97
57) Bromodichloromethane	7.096	83	60116	9.460	ug/L		99
60) 1,4-Dioxane	7.309	88	14985	468.431	ug/L	#	79
61) cis-1,3-Dichloropropene	7.795	75	67646	9.404	ug/L		93
64) Toluene	8.068	92	118301	10.064	ug/L		99
65) 4-Methyl-2-pentanone	8.495	58	6284	9.132	ug/L	#	86
66) Tetrachloroethene	8.526	166	45857	10.050	ug/L		95
68) trans-1,3-Dichloropropene	8.550	75	60036	8.919	ug/L		97
71) 1,1,2-Trichloroethane	8.740	83	25973	9.391	ug/L		97
72) Chlorodibromomethane	8.954	129	34219	8.536	ug/L		98
73) 1,3-Dichloropropane	9.065	76	55887	9.544	ug/L		99
74) 1,2-Dibromoethane	9.240	107	31169	9.540	ug/L		100
76) 2-Hexanone	9.517	43	15940	8.242	ug/L		94
77) Chlorobenzene	9.898	112	135489	10.209	ug/L		98
78) Ethylbenzene	9.937	91	235902	10.174	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.977	131	38048	8.983	ug/L		97
80) p/m Xylene	10.120	106	190636	20.870	ug/L		100
81) o Xylene	10.643	106	179484	20.444	ug/L		99
82) Styrene	10.707	104	288433	19.820	ug/L		99
84) Bromoform	10.730	173	16206	6.622	ug/L		99
86) Isopropylbenzene	11.016	105	245299	10.266	ug/L		99
88) Bromobenzene	11.436	156	53963	10.152	ug/L		97
89) n-Propylbenzene	11.476	91	291589	10.285	ug/L		98
91) 1,1,2,2-Tetrachloroethane	11.555	83	32677	9.092	ug/L		100
92) 4-Ethyltoluene	11.603	105	232752	10.229	ug/L		100
93) 2-Chlorotoluene	11.642	91	160114M6	9.982	ug/L		
94) 1,3,5-Trimethylbenzene	11.698	105	174207	9.500	ug/L		99
95) 1,2,3-Trichloropropane	11.698	75	27158	8.967	ug/L		95
96) trans-1,4-Dichloro-2-b...	11.745	53	8117	7.787	ug/L		83
97) 4-Chlorotoluene	11.825	91	169993	10.082	ug/L		99
98) tert-Butylbenzene	12.035	119	206525	10.293	ug/L		98

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317N02.D
Acq On : 17 Mar 2023 07:19 pm
Operator : VOA122:PID
Sample : WG1756621-4,31,10,10
Misc : WG1756621,ICAL19808
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 17 19:42:03 2023
Quant Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA122\2023\230317N\V22230317N01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101)	1,2,4-Trimethylbenzene	12.105	105	166391	9.364	ug/L	98
102)	sec-Butylbenzene	12.216	105	252877	10.426	ug/L	98
103)	p-Isopropyltoluene	12.369	119	202076	10.011	ug/L	98
104)	1,3-Dichlorobenzene	12.439	146	104832	9.887	ug/L	97
105)	1,4-Dichlorobenzene	12.529	146	104008	9.885	ug/L	97
106)	p-Diethylbenzene	12.738	119	111012	9.544	ug/L	98
107)	n-Butylbenzene	12.794	91	167300	9.865	ug/L	97
108)	1,2-Dichlorobenzene	12.947	146	91148	9.791	ug/L	96
109)	1,2,4,5-Tetramethylben...	13.518	119	141881	9.447	ug/L	98
110)	1,2-Dibromo-3-chloropr...	13.713	155	4855	8.537	ug/L	100
112)	Hexachlorobutadiene	14.318	225	21505	10.275	ug/L	99
113)	1,2,4-Trichlorobenzene	14.339	180	49848	9.744	ug/L	98
114)	Naphthalene	14.631	128	115568	9.782	ug/L	100
115)	1,2,3-Trichlorobenzene	14.799	180	43446	9.763	ug/L	98

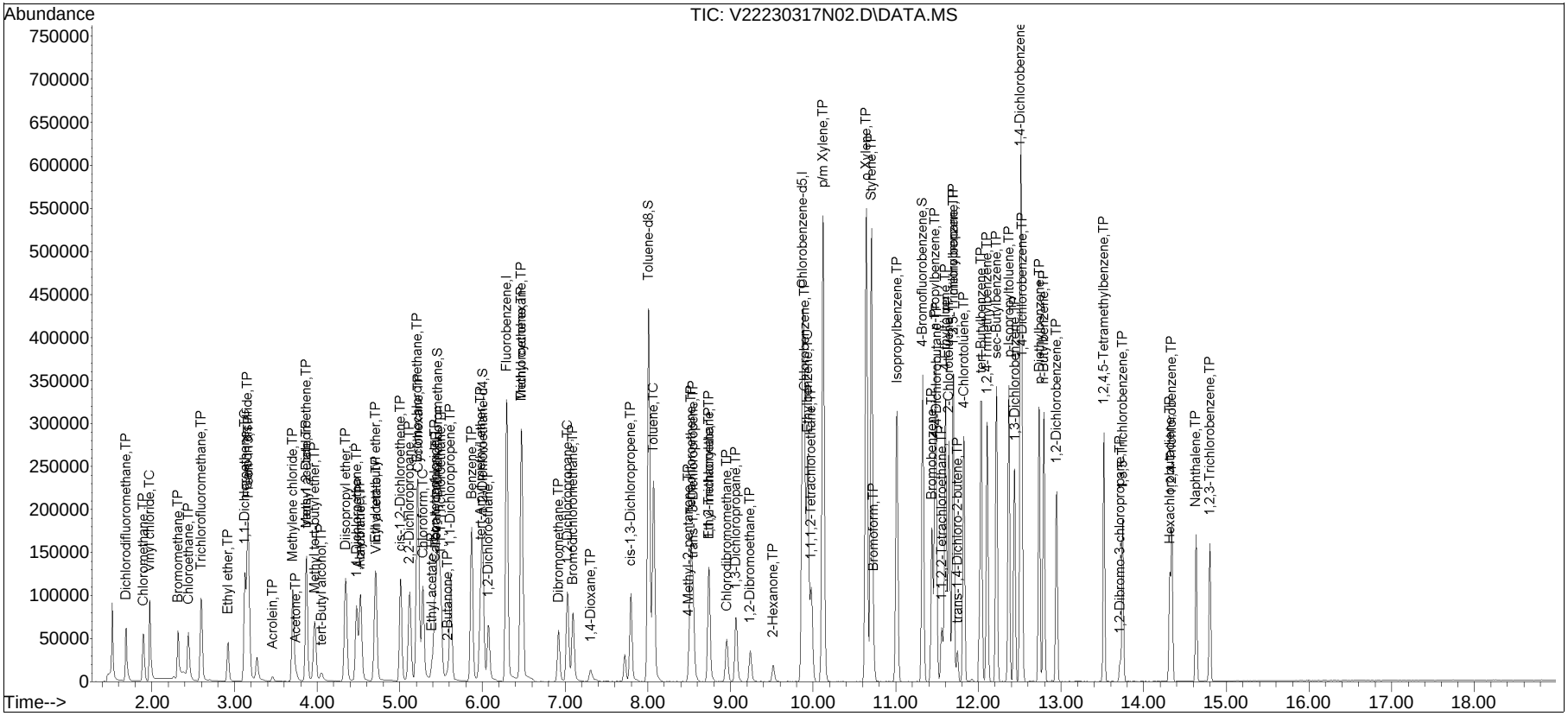
(#) = qualifier out of range (m) = manual integration (+) = signals summed

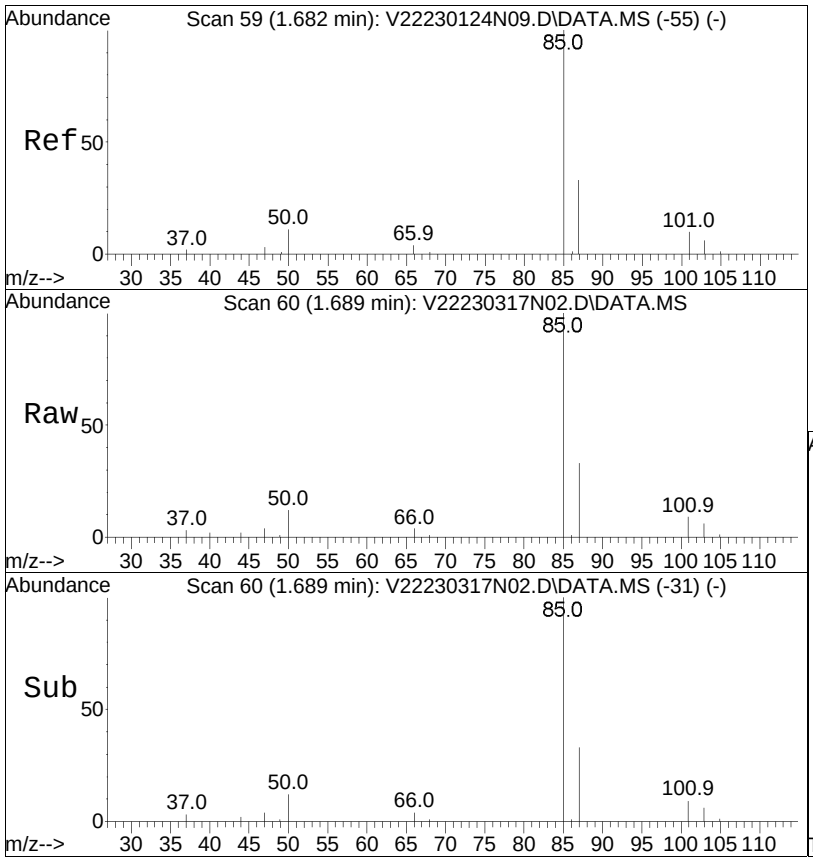
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA122\2023\230317N\
Data File : V22230317N02.D
Acq On : 17 Mar 2023 07:19 pm
Operator : VOA122:PID
Sample : WG1756621-4,31,10,10
Misc : WG1756621,ICAL19808
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 17 19:42:03 2023
Quant Method : I:\VOLATILES\VOA122\2023\230317N\V122_230313A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Mar 14 11:12:30 2023
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

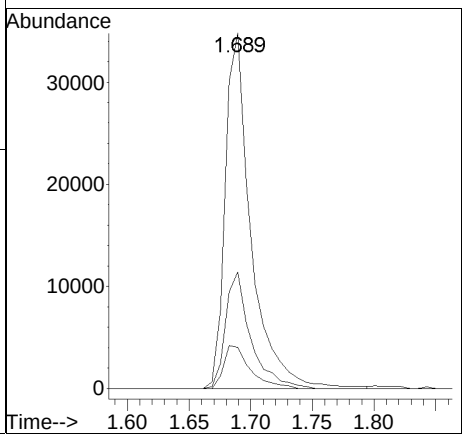


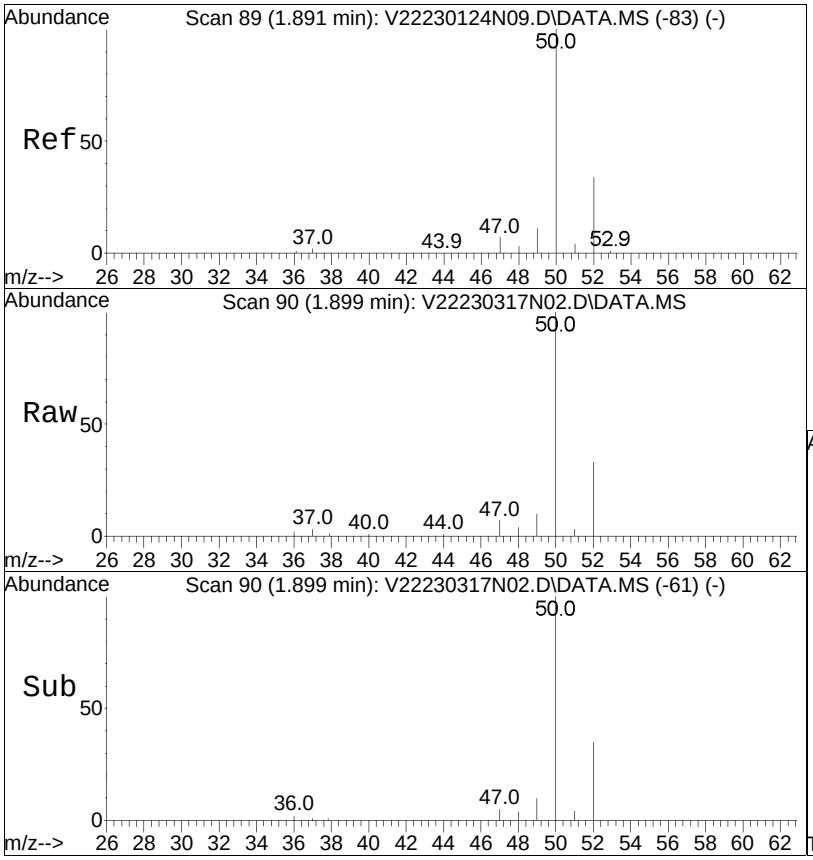


#2
Dichlorodifluoromethane
Concen: 10.72 ug/L
RT: 1.689 min Scan# 60
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 85 Resp: 50723

Ion	Ratio	Lower	Upper
85	100		
87	31.9	20.7	42.9
50	12.4	6.8	14.2

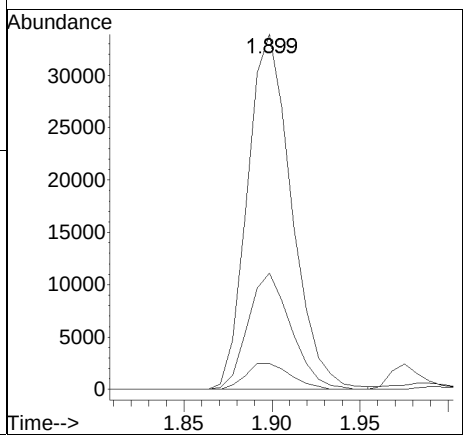


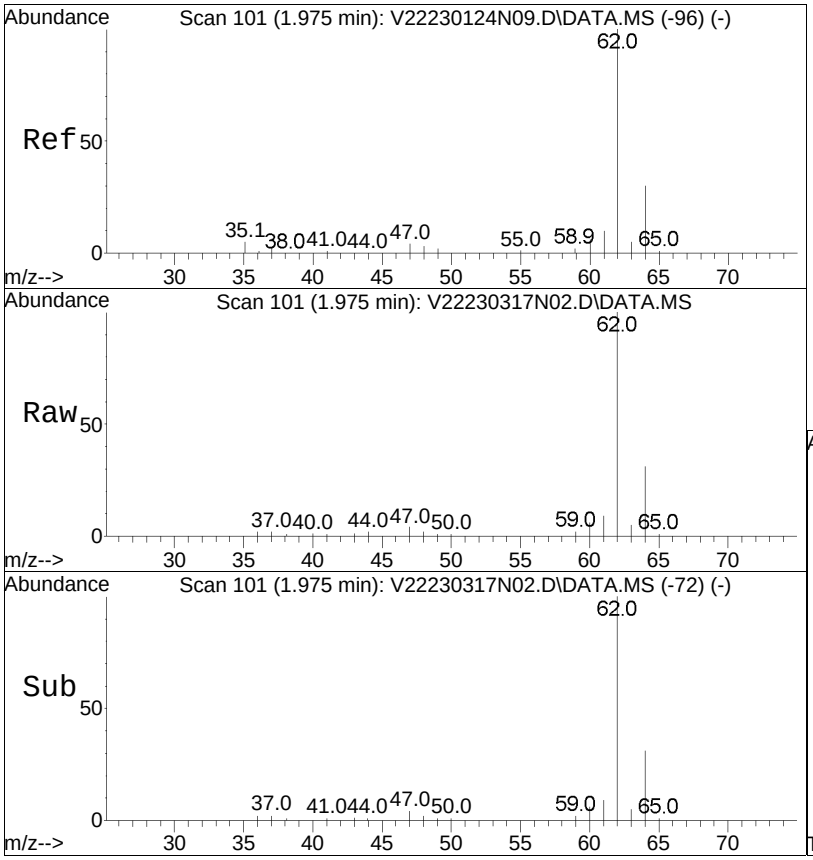


#3
Chloromethane
Concen: 10.20 ug/L
RT: 1.899 min Scan# 90
Delta R.T. 0.001 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 50 Resp: 59113

Ion	Ratio	Lower	Upper
50	100		
52	32.1	12.8	52.8
47	7.5	0.0	30.0

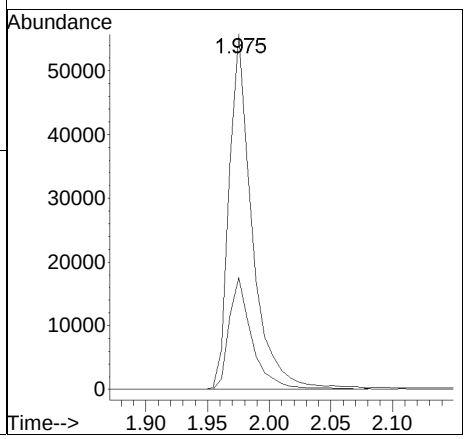


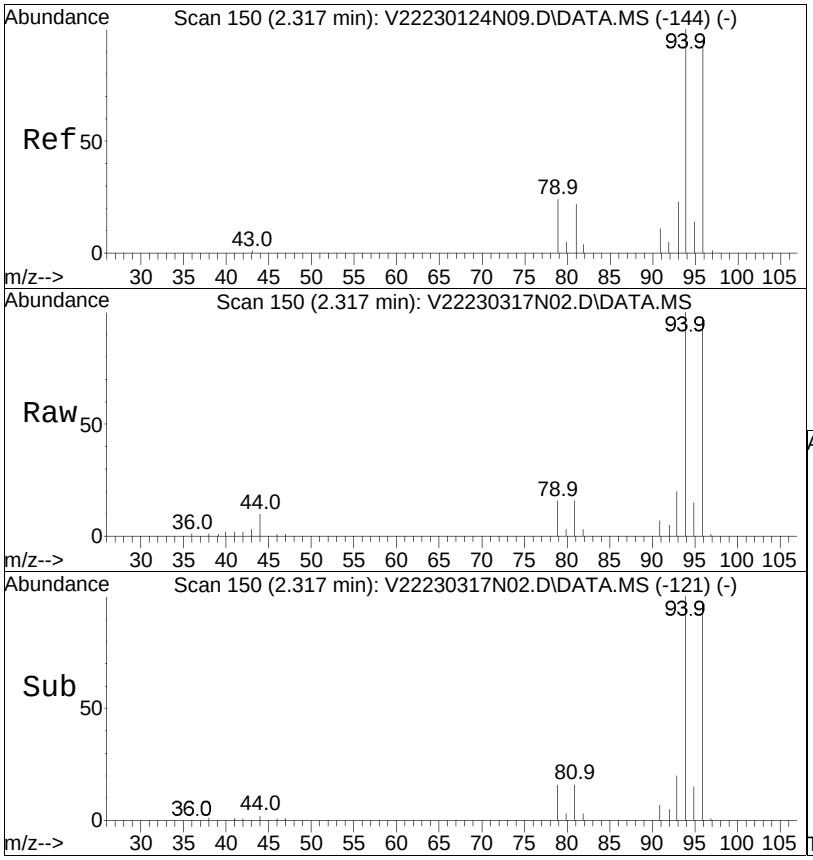


#4
Vinyl chloride
Concen: 11.33 ug/L
RT: 1.975 min Scan# 101
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 62 Resp: 72903

Ion	Ratio	Lower	Upper
62	100		
64	31.3	12.0	52.0

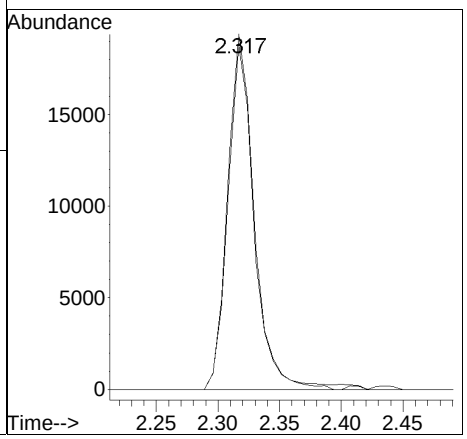


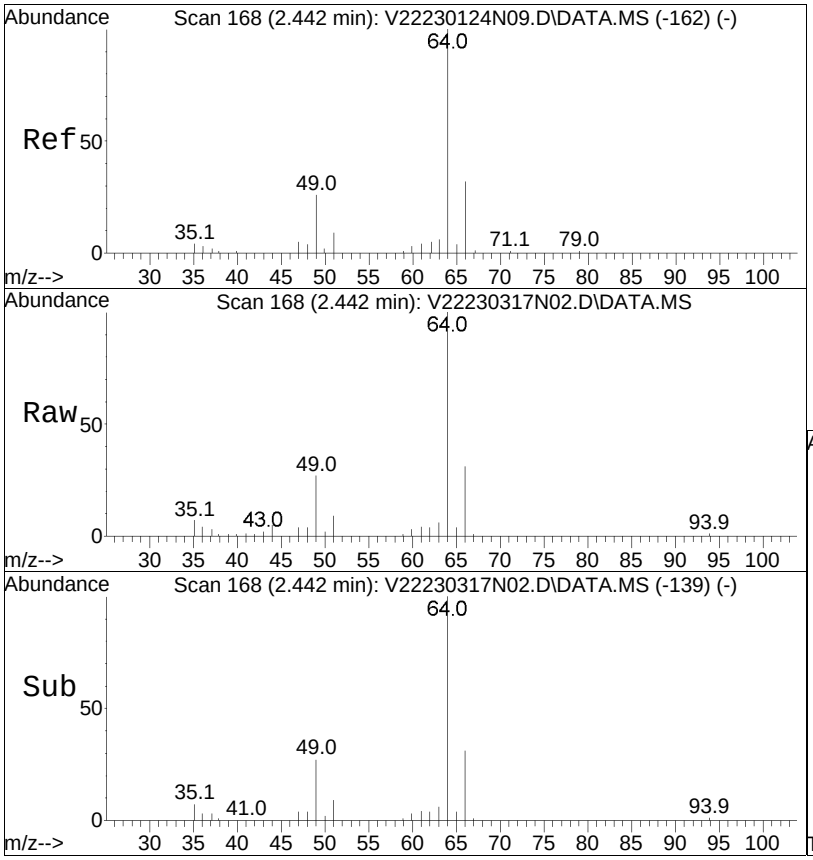


#5
Bromomethane
Concen: 7.95 ug/L
RT: 2.317 min Scan# 150
Delta R.T. -0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 94 Resp: 29554

Ion	Ratio	Lower	Upper
94	100		
96	93.7	72.8	112.8

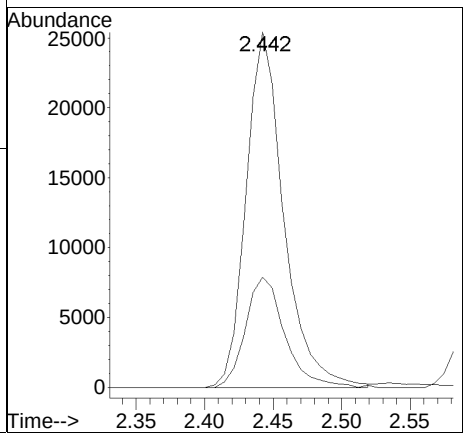


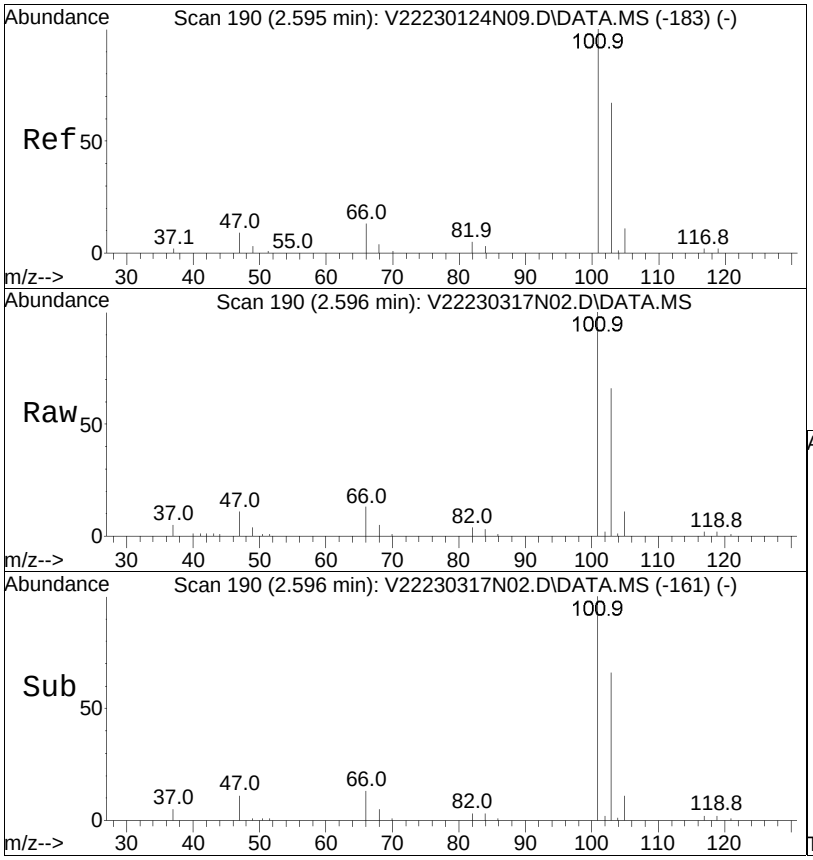


#6
Chloroethane
Concen: 11.00 ug/L
RT: 2.442 min Scan# 168
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 64 Resp: 48537

Ion	Ratio	Lower	Upper
64	100		
66	32.4	12.2	52.2

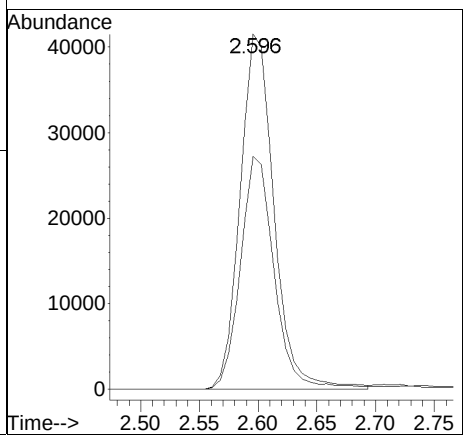


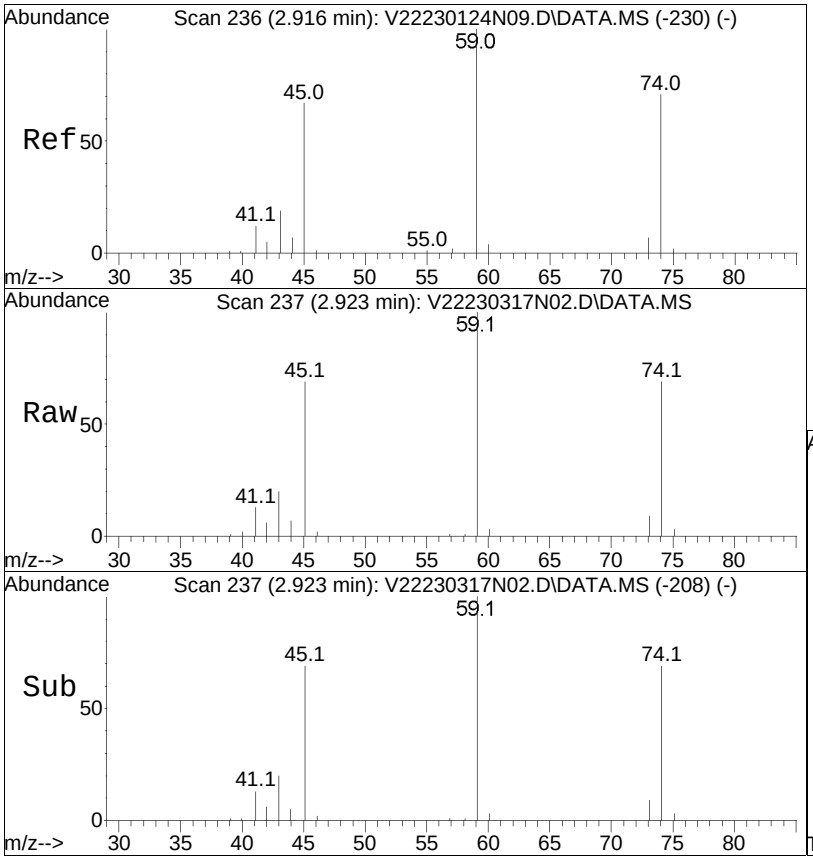


#7
Trichlorofluoromethane
Concen: 11.06 ug/L
RT: 2.596 min Scan# 190
Delta R.T. 0.001 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:101 Resp: 83633

Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.6	77.4

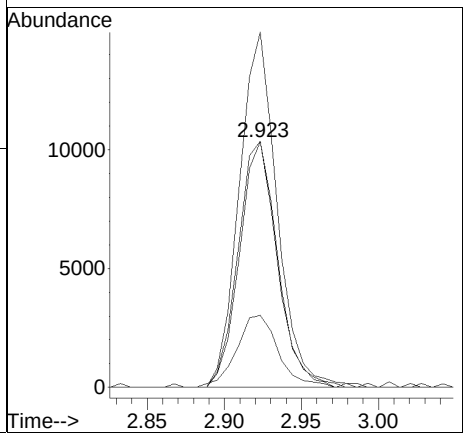


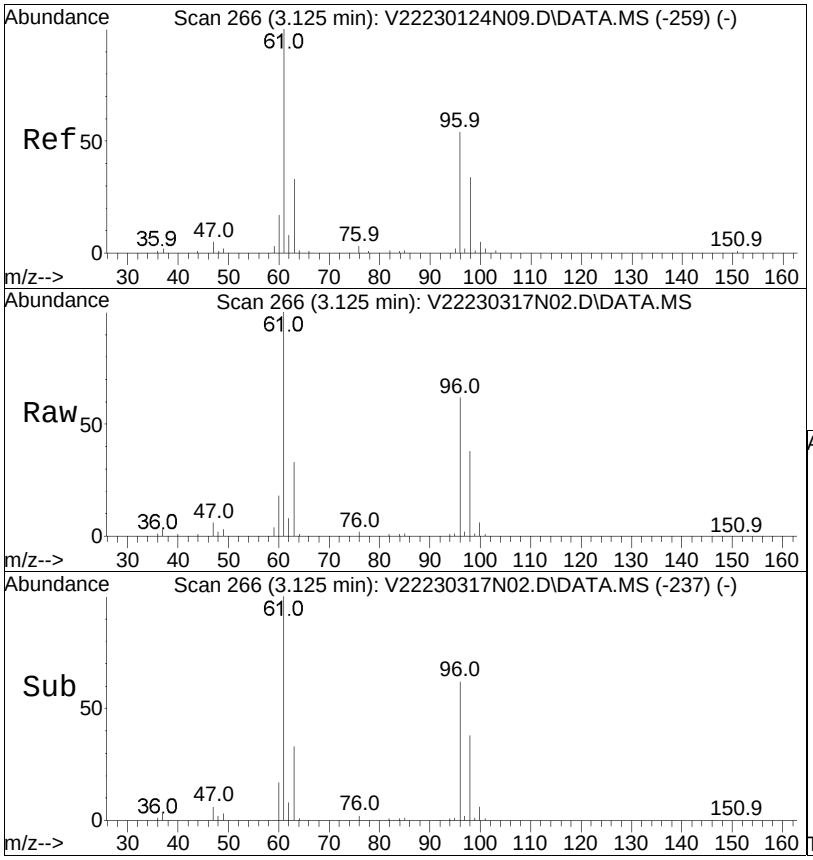


#8
Ethyl ether
Concen: 9.62 ug/L
RT: 2.923 min Scan# 237
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 74 Resp: 17821

Ion	Ratio	Lower	Upper
74	100		
59	143.8	2122.4	4408.0#
45	102.9	1435.1	2980.5#
43	32.3	407.9	847.3#

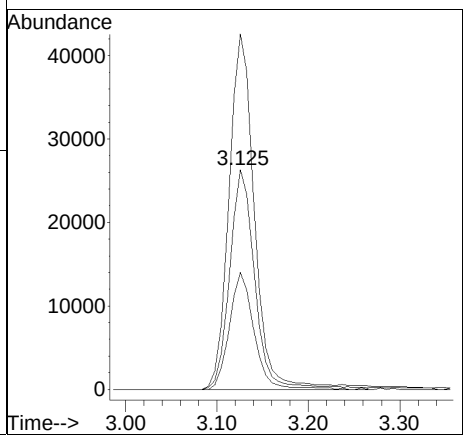


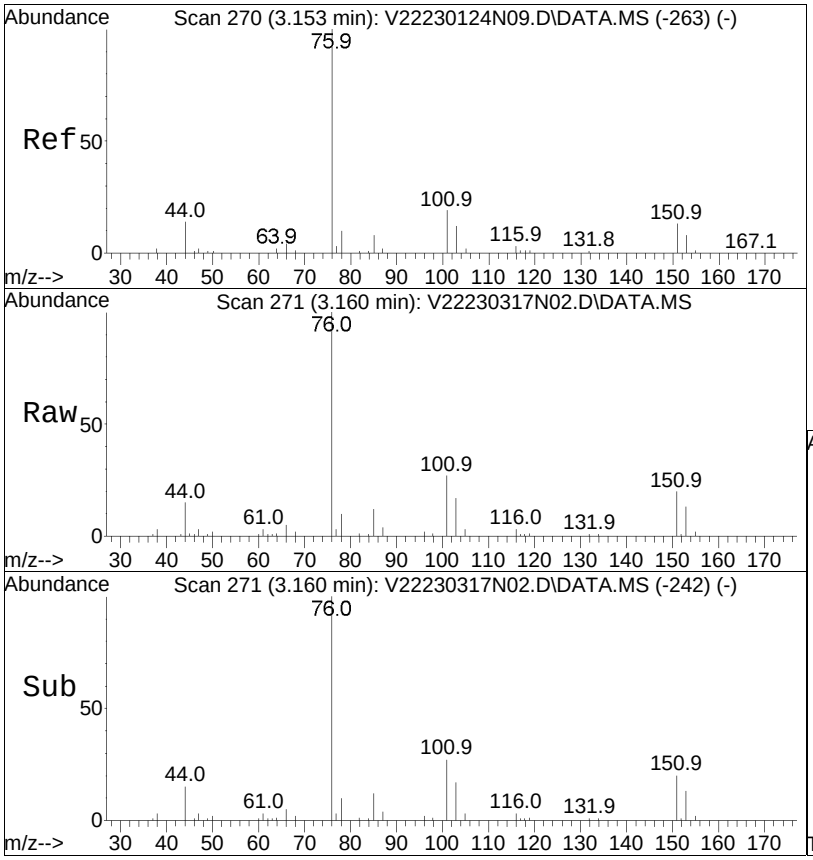


#10
1,1-Dichloroethene
Concen: 11.14 ug/L
RT: 3.125 min Scan# 266
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 96 Resp: 50624

Ion	Ratio	Lower	Upper
96	100		
61	162.4	117.0	175.4
63	52.1	37.8	56.6

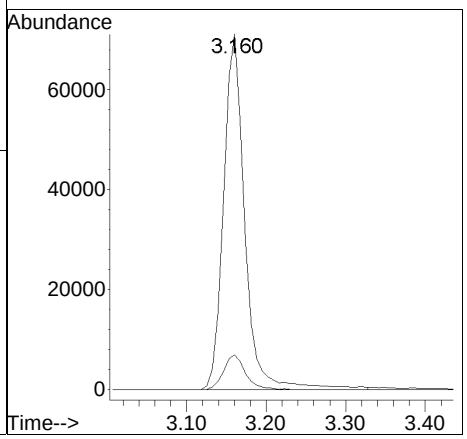


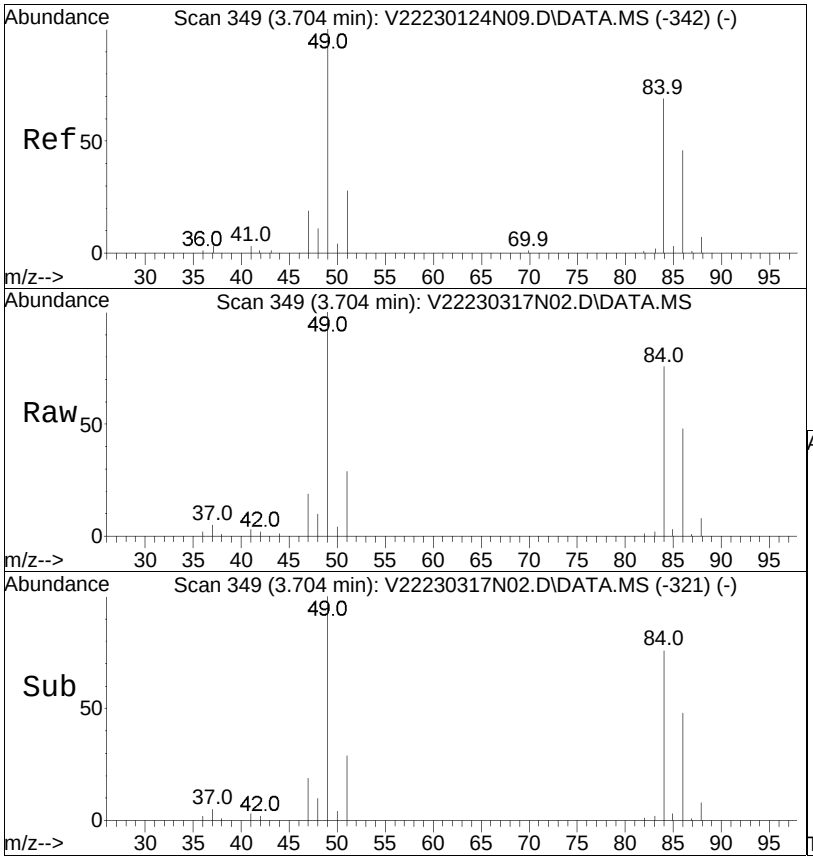


#11
Carbon disulfide
Concen: 9.57 ug/L
RT: 3.160 min Scan# 271
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 76 Resp: 131613

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.4	13.4

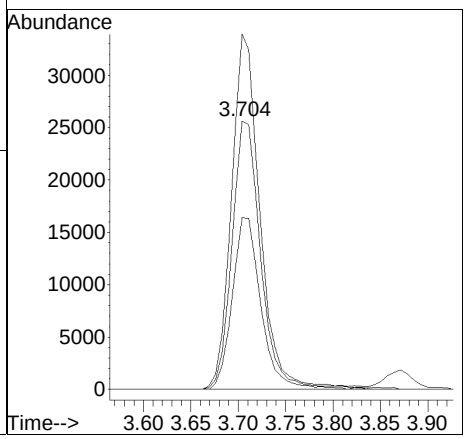


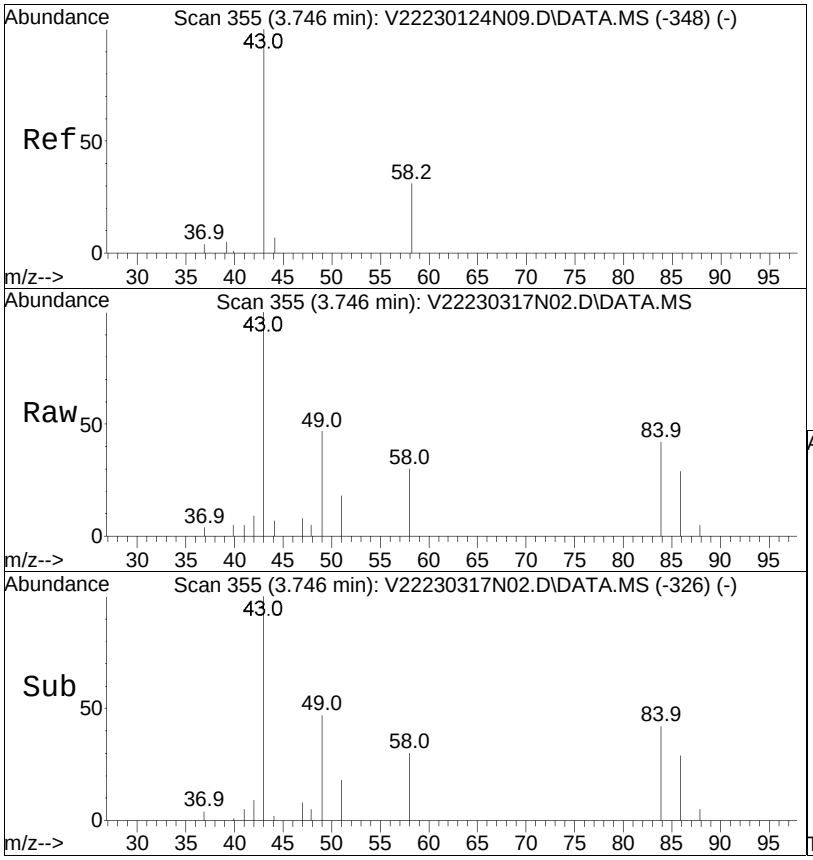


#15
Methylene chloride
Concen: 10.51 ug/L
RT: 3.704 min Scan# 349
Delta R.T. -0.007 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 84 Resp: 54302

Ion	Ratio	Lower	Upper
84	100		
86	63.7	41.5	86.3
49	130.9	68.8	143.0

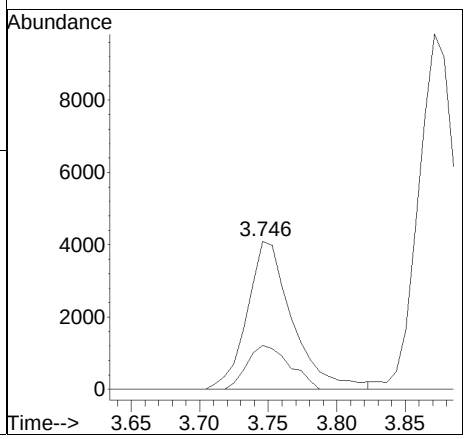


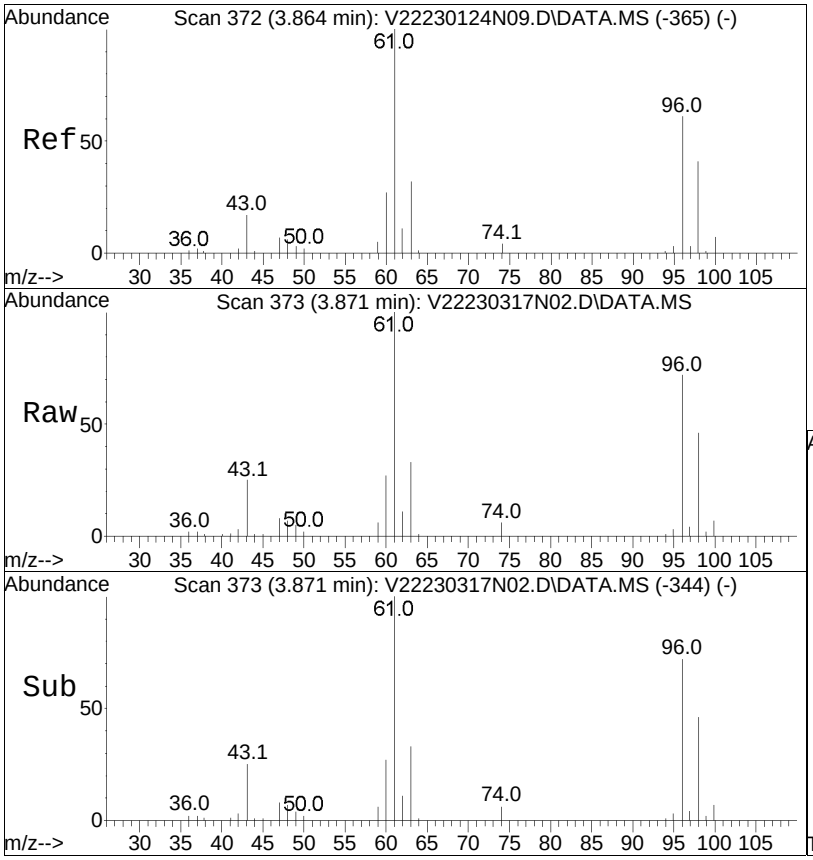


#17
Acetone
Concen: 9.61 ug/L
RT: 3.746 min Scan# 355
Delta R.T. -0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 43 Resp: 9448

Ion	Ratio	Lower	Upper
43	100		
58	28.0	23.1	34.7

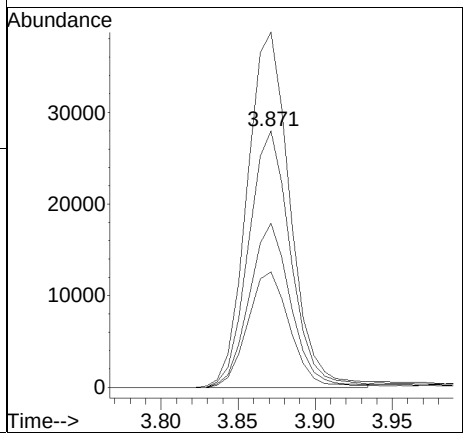


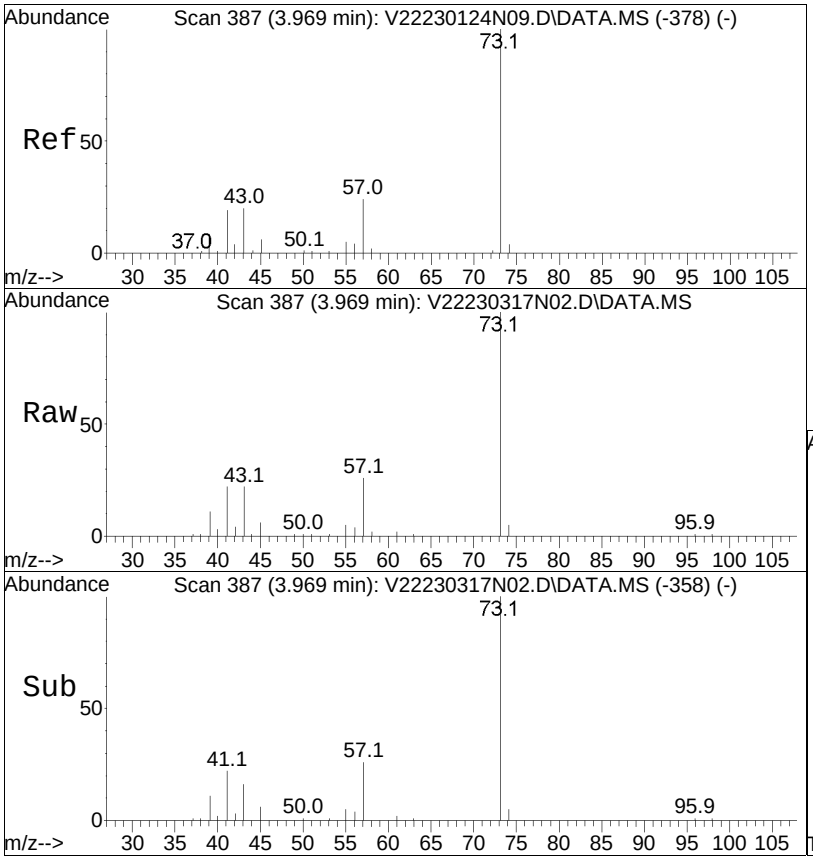


#18
trans-1,2-Dichloroethene
Concen: 10.46 ug/L
RT: 3.871 min Scan# 373
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 96 Resp: 53370

Ion	Ratio	Lower	Upper
96	100		
61	146.2	81.6	169.6
98	63.2	41.8	86.8
63	45.5	26.3	54.7

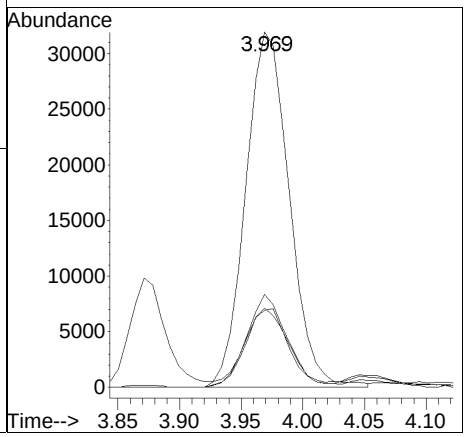


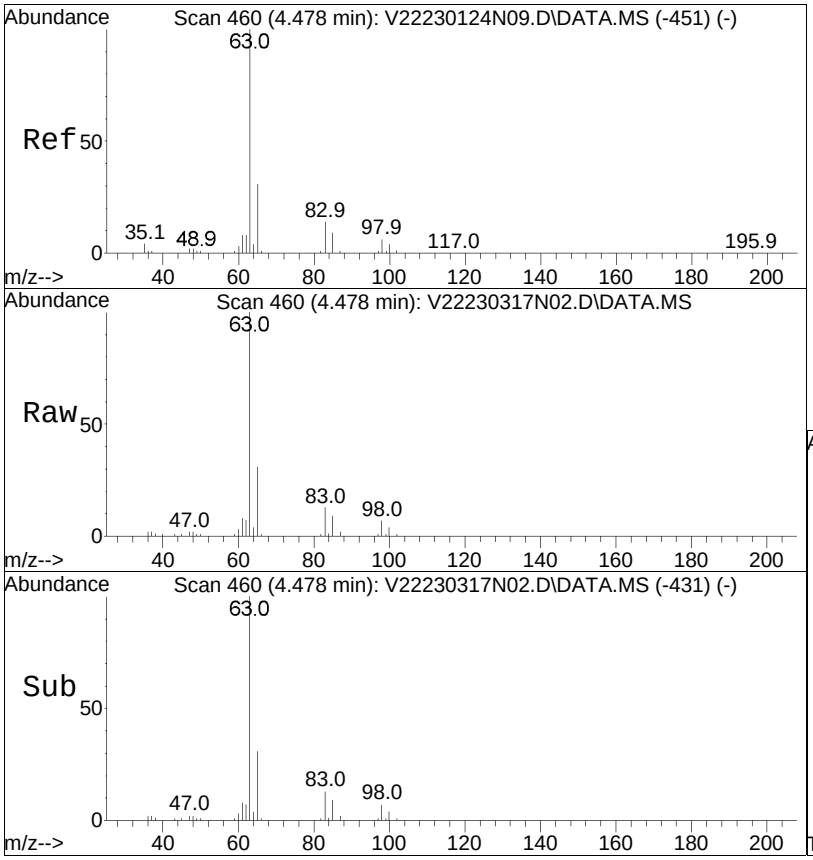


#21
Methyl tert-butyl ether
Concen: 9.42 ug/L
RT: 3.969 min Scan# 387
Delta R.T. -0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 73 Resp: 78695

Ion	Ratio	Lower	Upper
73	100		
57	24.5	13.6	28.2
43	21.6	12.7	26.5
41	21.8	11.4	23.8

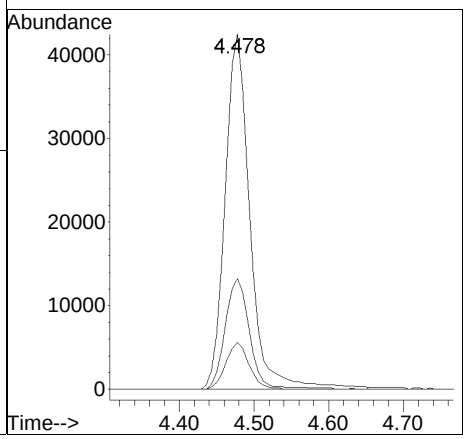


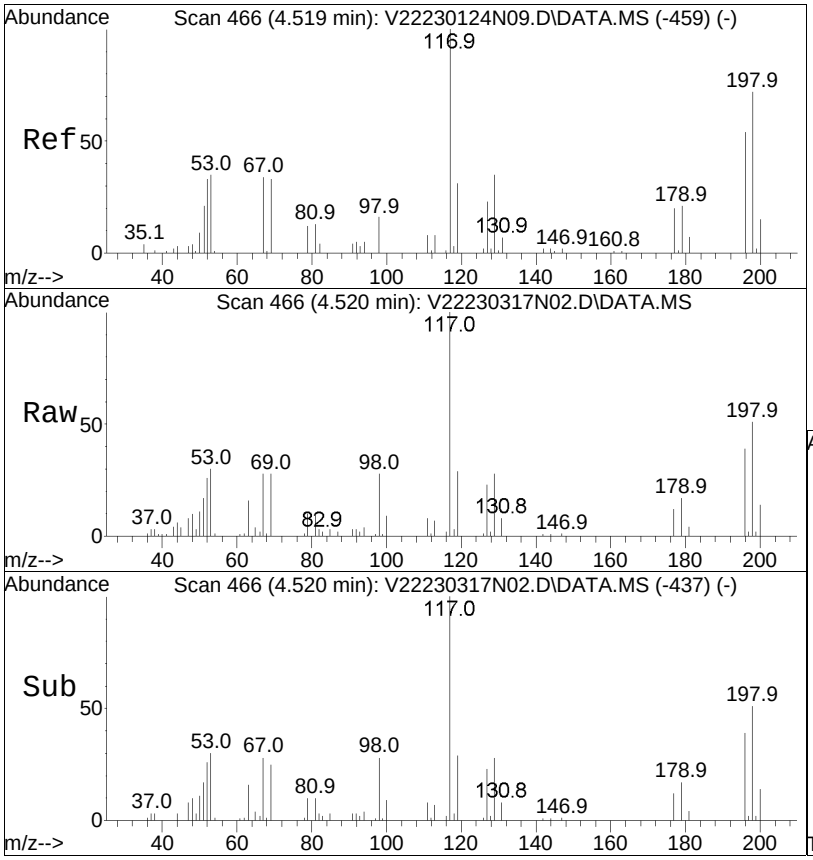


#25
1,1-Dichloroethane
Concen: 10.35 ug/L
RT: 4.478 min Scan# 460
Delta R.T. -0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 63 Resp: 98799

Ion	Ratio	Lower	Upper
63	100		
65	30.4	11.9	51.9
83	12.4	0.0	34.2

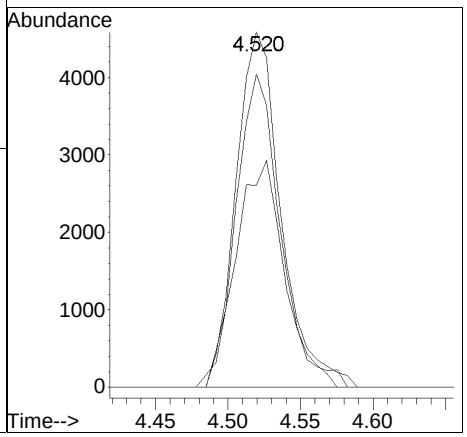


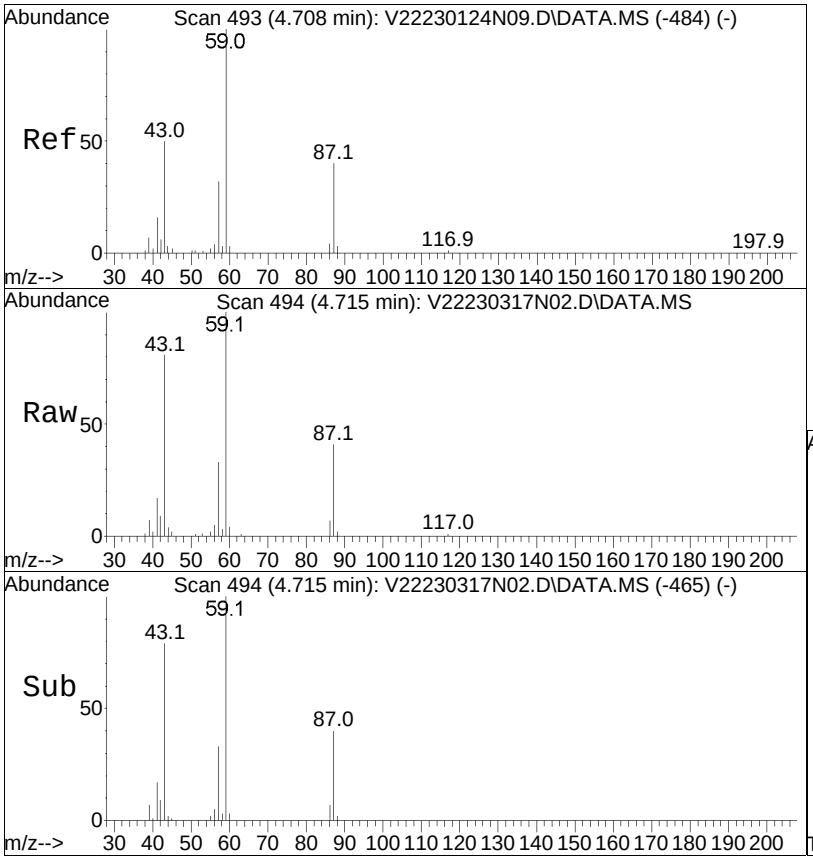


#27
Acrylonitrile
Concen: 9.31 ug/L
RT: 4.520 min Scan# 466
Delta R.T. 0.001 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 53 Resp: 9947

Ion	Ratio	Lower	Upper
53	100		
52	87.0	63.8	95.8
51	69.0	50.2	75.4

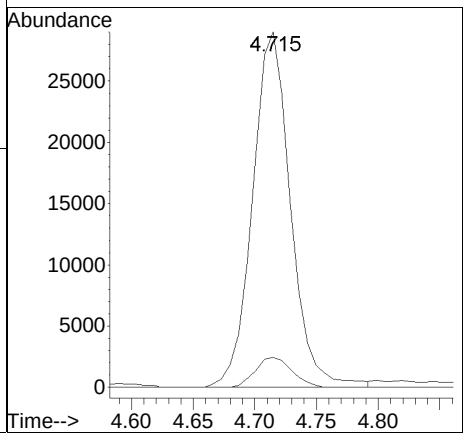


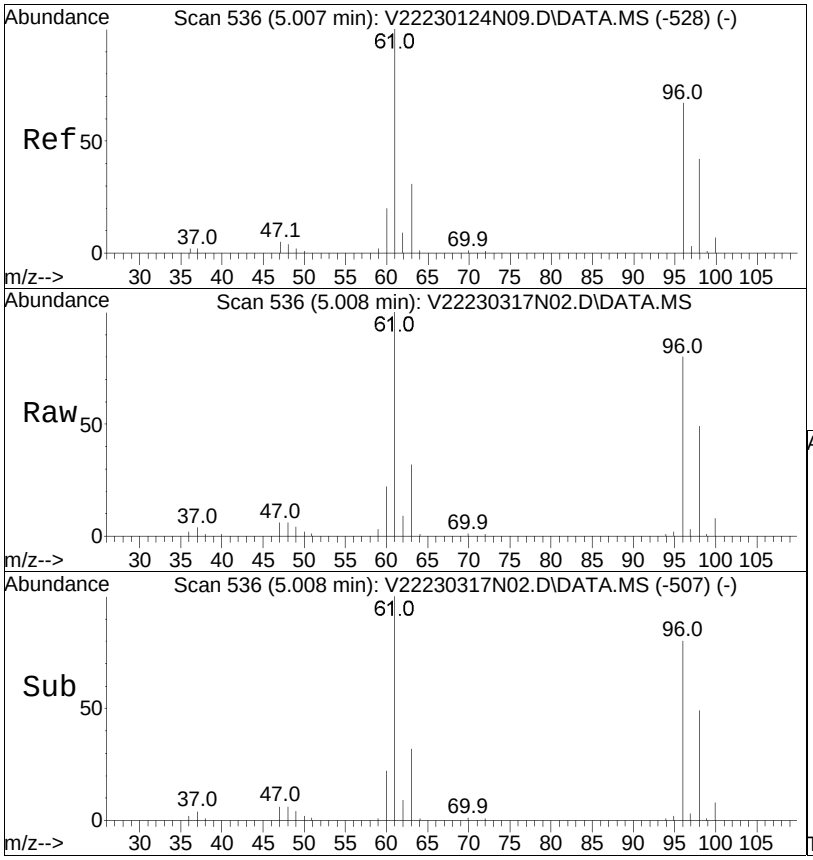


#29
Vinyl acetate
Concen: 7.94 ug/L
RT: 4.715 min Scan# 494
Delta R.T. -0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 43 Resp: 62310

Ion	Ratio	Lower	Upper
43	100		
86	8.1	8.9	13.3#

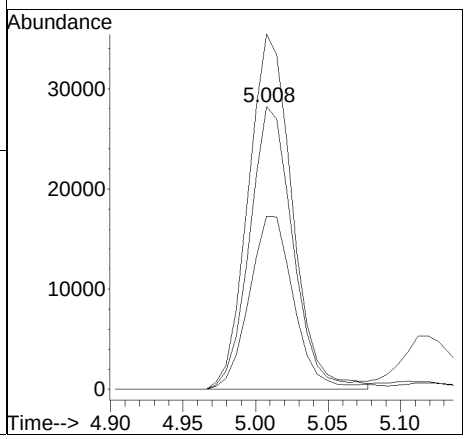


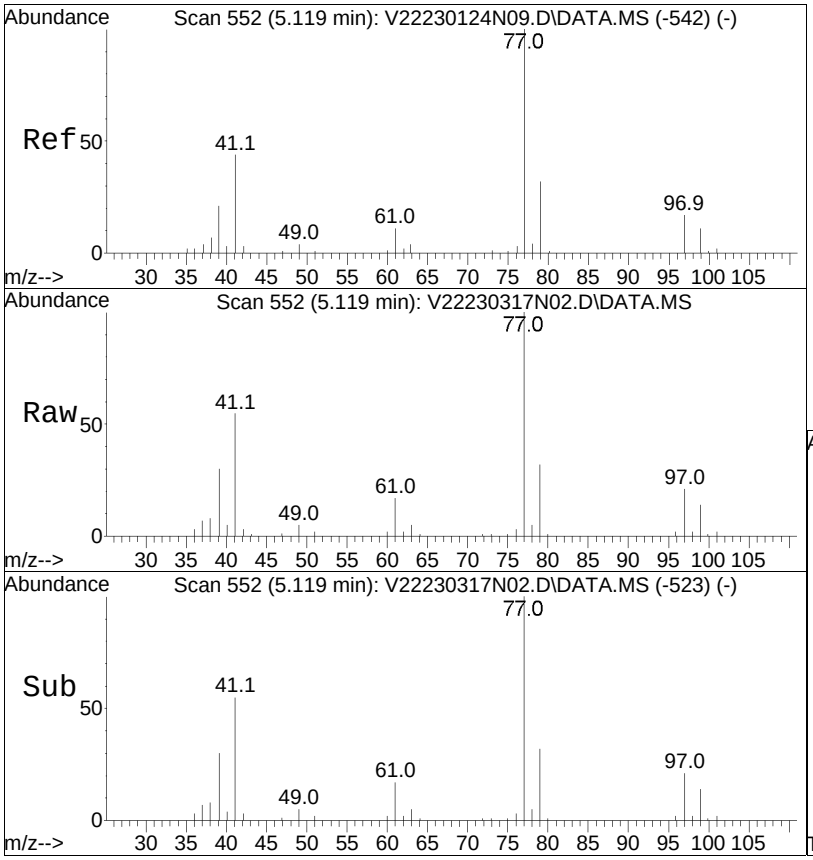


#30
cis-1,2-Dichloroethene
Concen: 10.63 ug/L
RT: 5.008 min Scan# 536
Delta R.T. 0.001 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 96 Resp: 58543

Ion	Ratio	Lower	Upper
96	100		
61	127.8	90.3	135.5
98	63.6	50.8	76.2

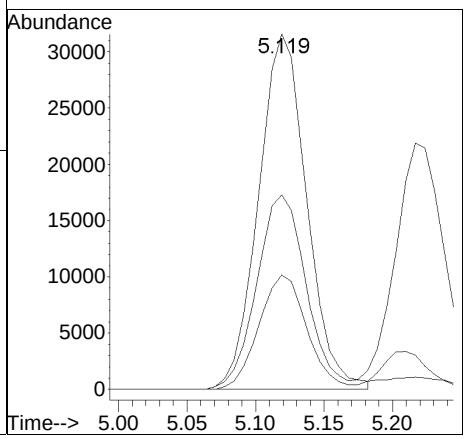


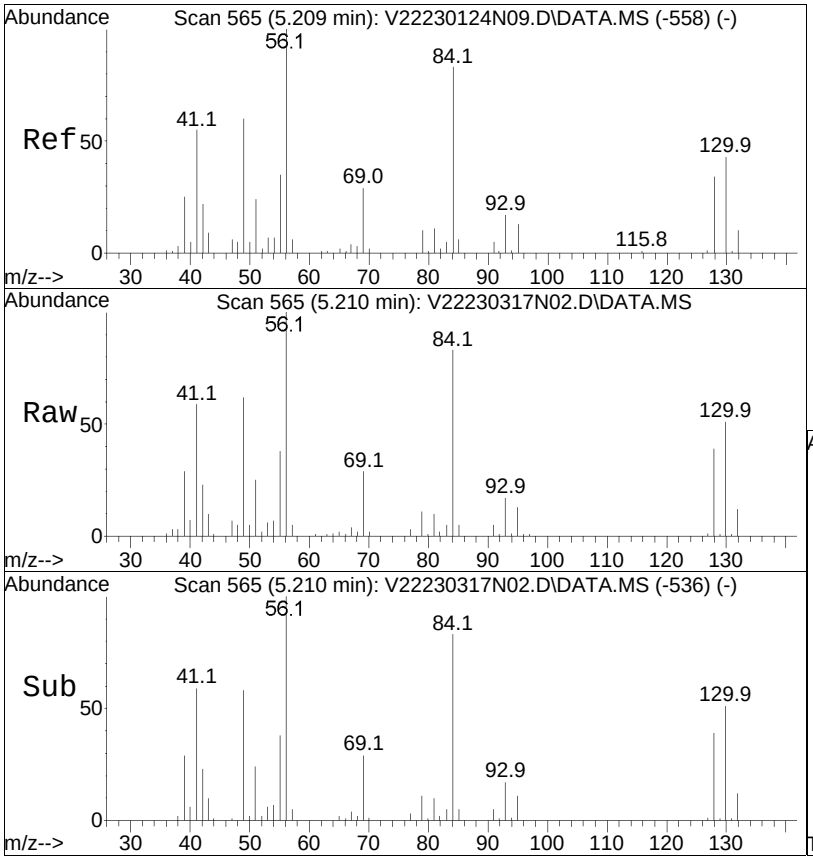


#31
2,2-Dichloropropane
Concen: 10.59 ug/L
RT: 5.119 min Scan# 552
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 77 Resp: 77239

Ion	Ratio	Lower	Upper
77	100		
41	56.0	32.3	67.1
79	32.0	21.1	43.7

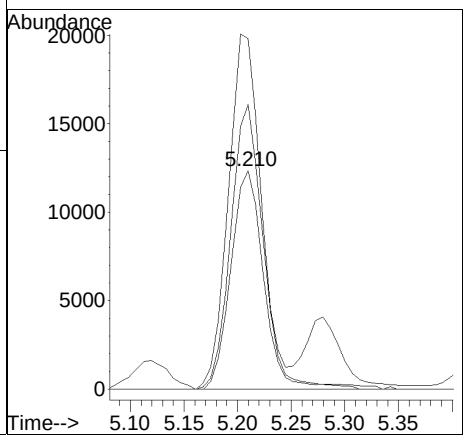


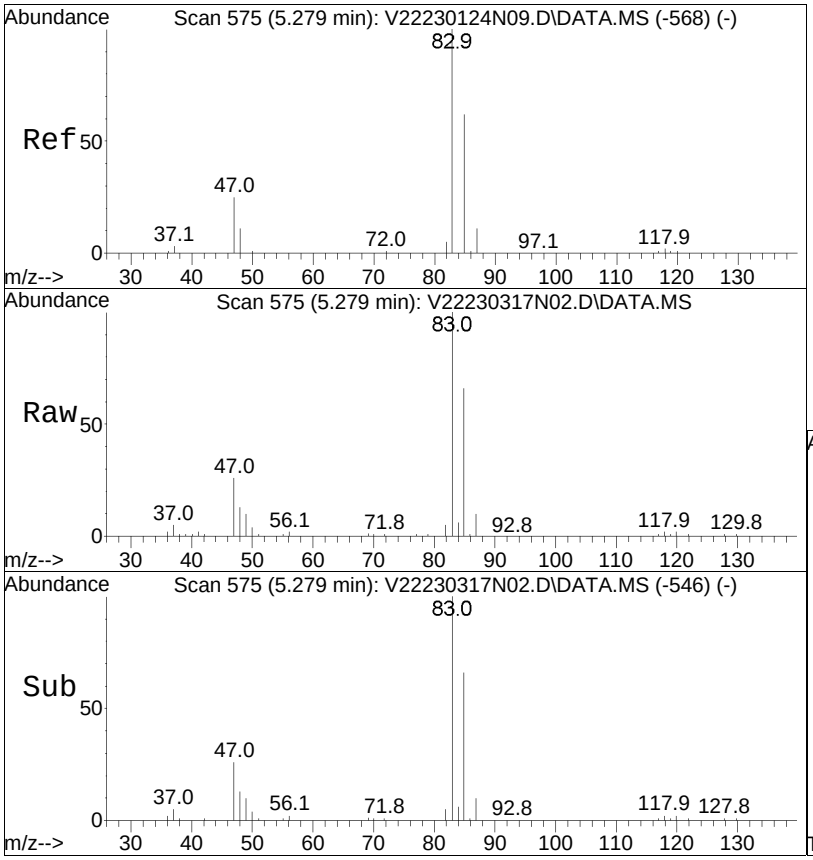


#32
Bromochloromethane
Concen: 10.48 ug/L
RT: 5.210 min Scan# 565
Delta R.T. 0.001 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:128 Resp: 26559

Ion	Ratio	Lower	Upper
128	100		
49	160.6	104.4	156.6#
130	129.8	103.9	155.9

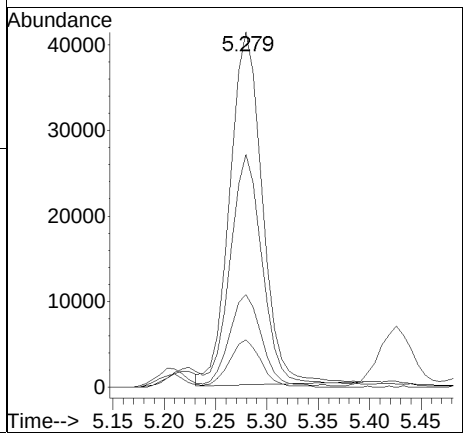


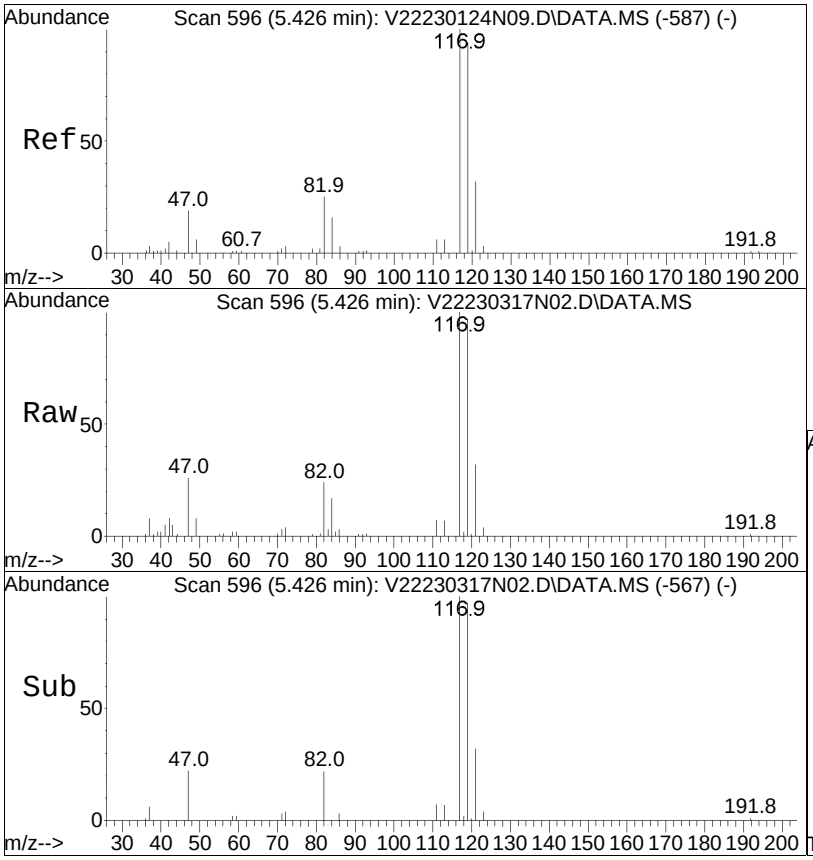


#34
Chloroform
Concen: 10.19 ug/L
RT: 5.279 min Scan# 575
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 83 Resp: 90868

Ion	Ratio	Lower	Upper
83	100		
85	64.7	42.4	88.2
47	25.5	14.0	29.0
48	13.4	6.9	14.3

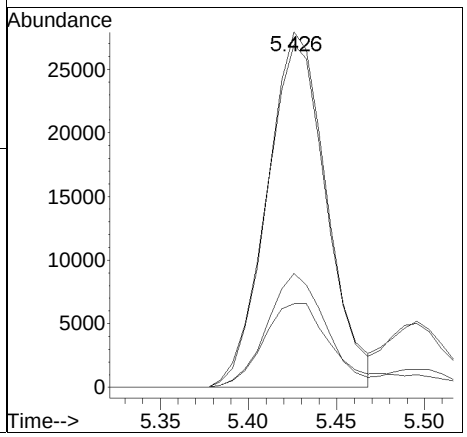


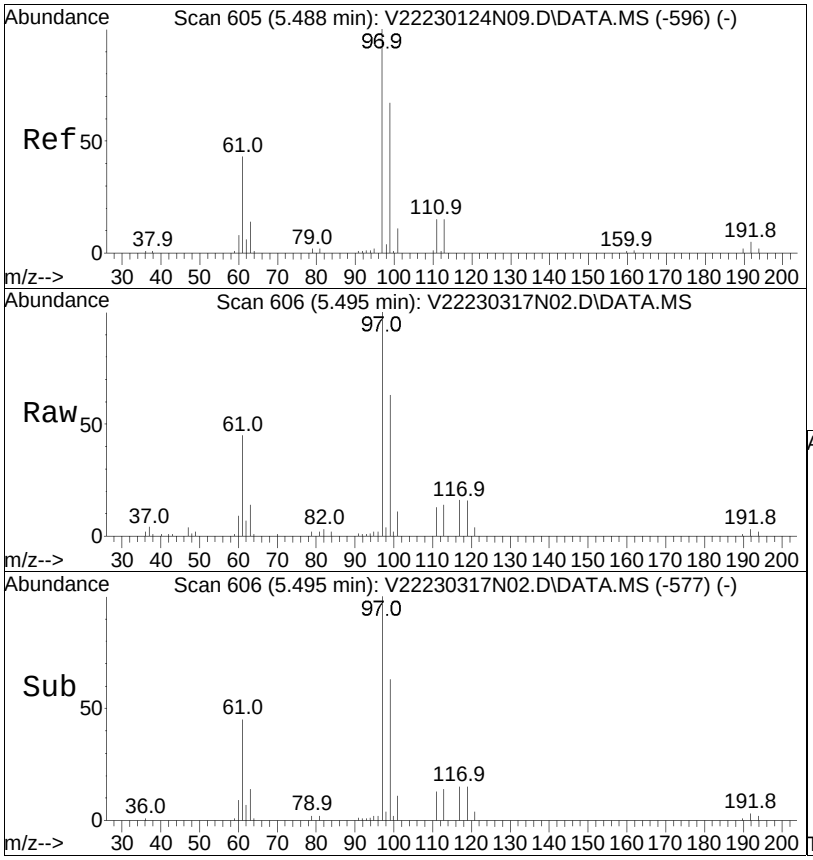


#36
Carbon tetrachloride
Concen: 10.52 ug/L
RT: 5.426 min Scan# 596
Delta R.T. -0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:117 Resp: 66189

Ion	Ratio	Lower	Upper
117	100		
119	96.4	62.1	129.1
121	31.3	20.3	42.3
82	30.5	15.4	32.0

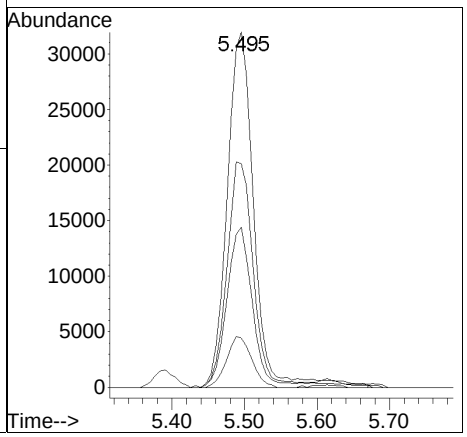


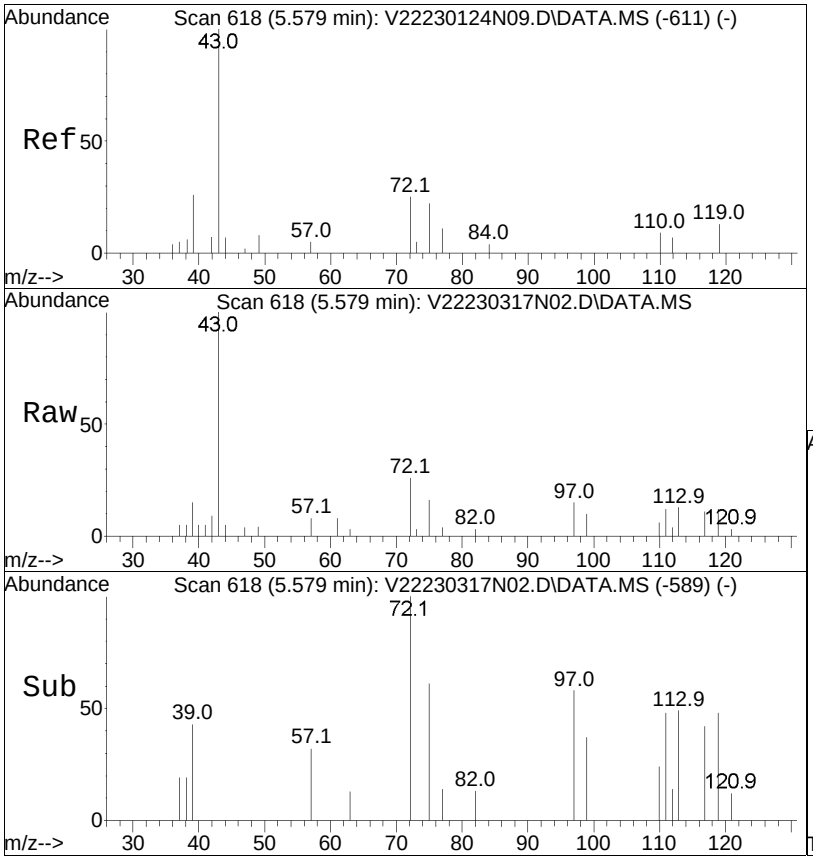


#39
1,1,1-Trichloroethane
Concen: 10.94 ug/L
RT: 5.495 min Scan# 606
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 97 Resp: 82499

Ion	Ratio	Lower	Upper
97	100		
99	62.7	42.4	88.0
61	42.8	26.0	54.0
63	13.4	8.3	17.3

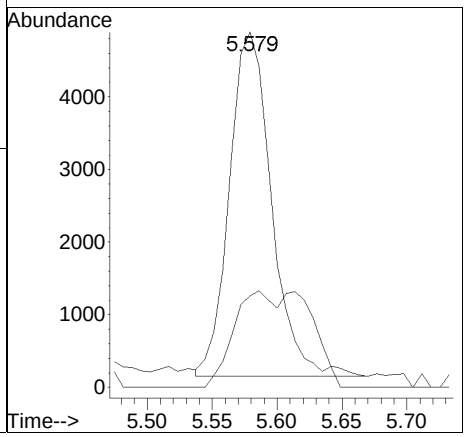


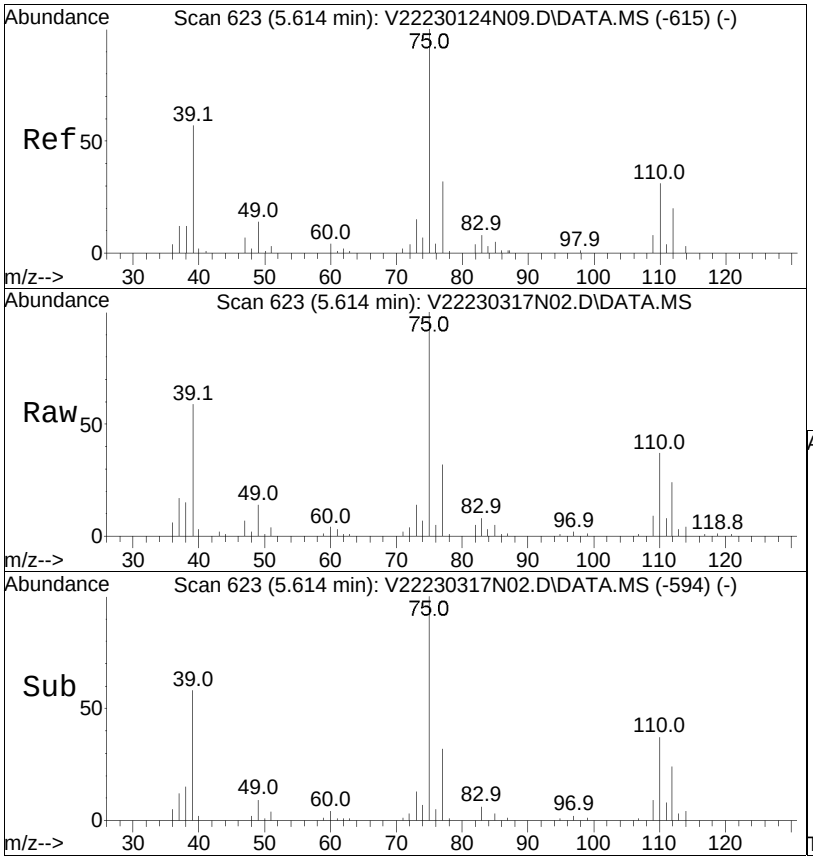


#41
2-Butanone
Concen: 8.71 ug/L
RT: 5.579 min Scan# 618
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 43 Resp: 10689

Ion	Ratio	Lower	Upper
43	100		
72	28.5	45.8	68.8#

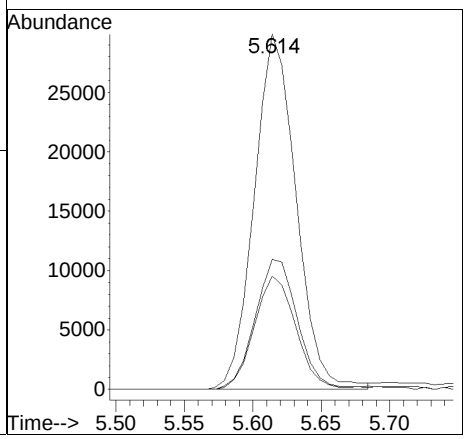


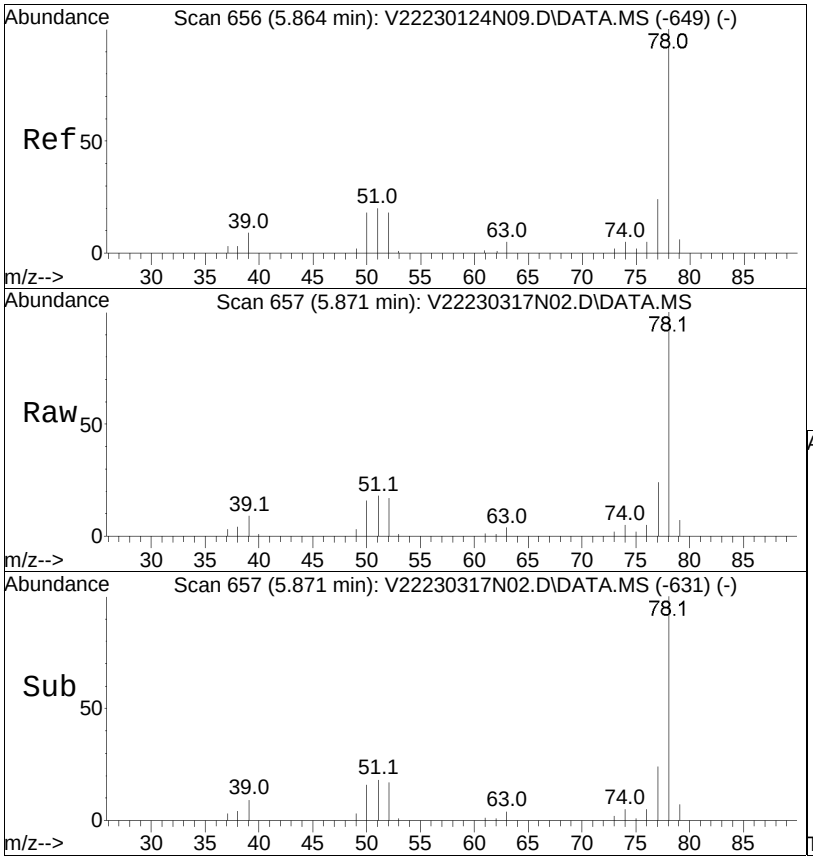


#42
1,1-Dichloropropene
Concen: 9.81 ug/L
RT: 5.614 min Scan# 623
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 75 Resp: 63723

Ion	Ratio	Lower	Upper
75	100		
110	37.2	25.4	52.8
77	31.5	20.3	42.1

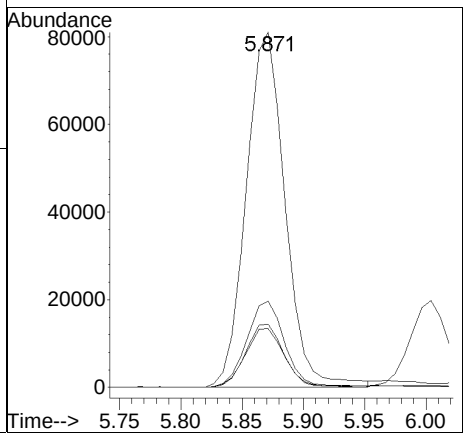


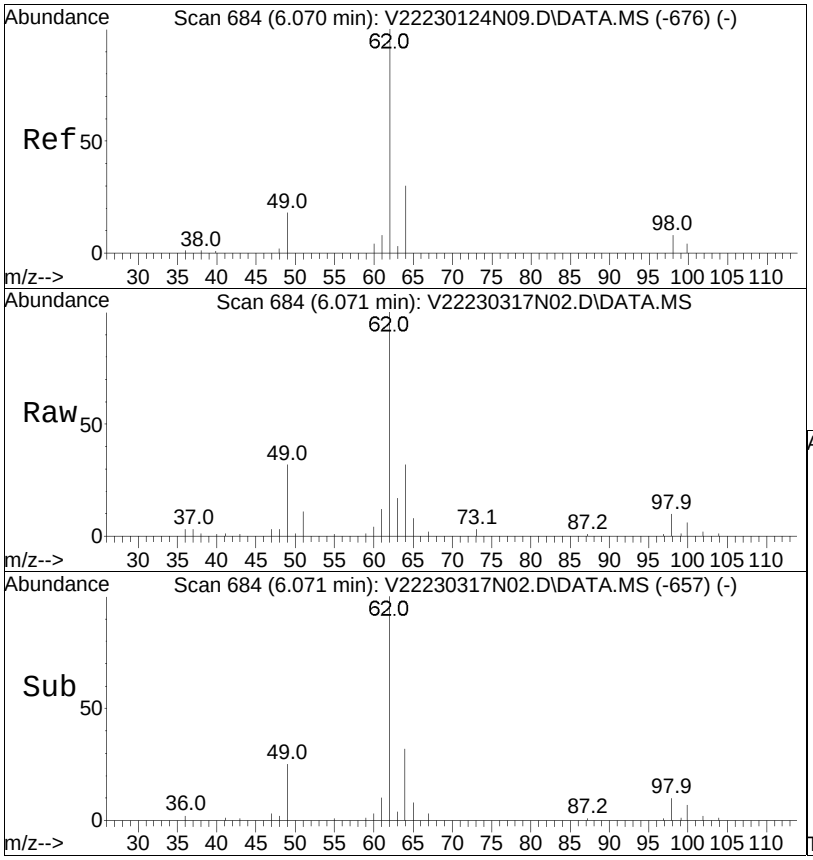


#44
Benzene
Concen: 9.99 ug/L
RT: 5.871 min Scan# 657
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 78 Resp: 179349

Ion	Ratio	Lower	Upper
78	100		
77	24.0	15.4	32.0
51	17.7	9.8	20.4
52	16.7	9.2	19.2

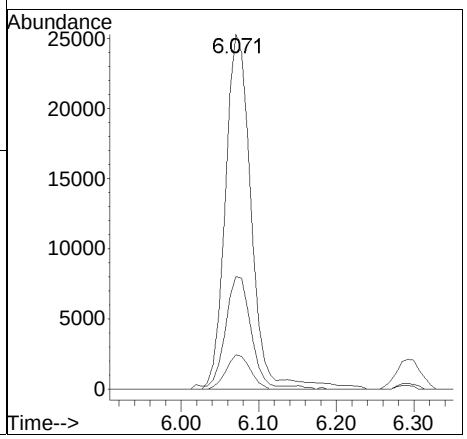


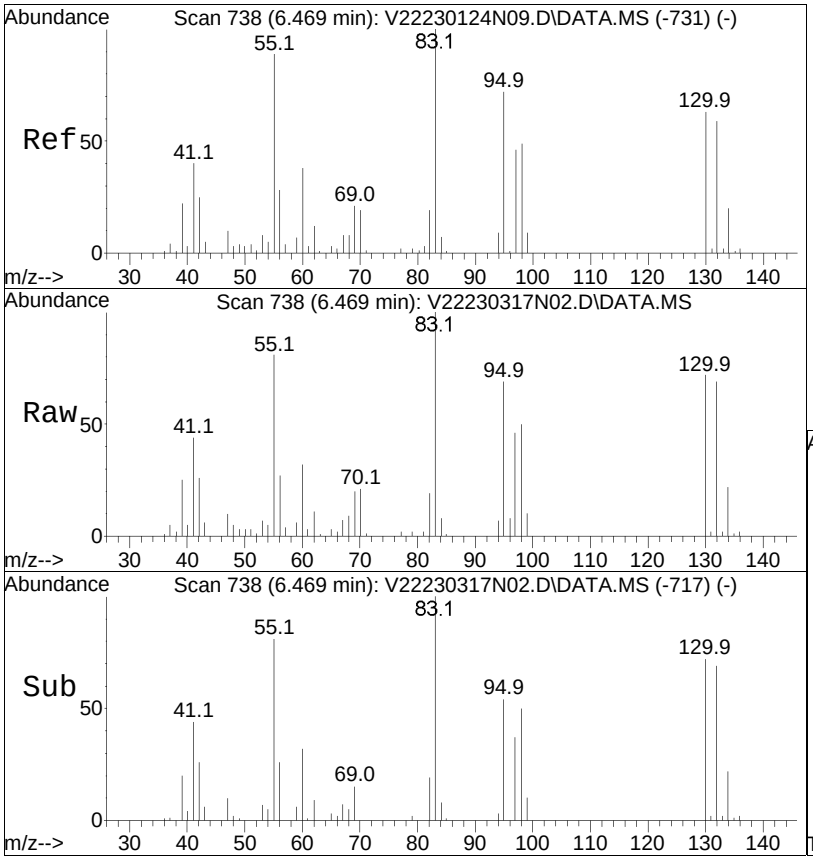


#47
1,2-Dichloroethane
Concen: 9.99 ug/L
RT: 6.071 min Scan# 684
Delta R.T. 0.001 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 62 Resp: 59215

Ion	Ratio	Lower	Upper
62	100		
64	31.7	12.3	52.3
98	9.1	0.0	30.3

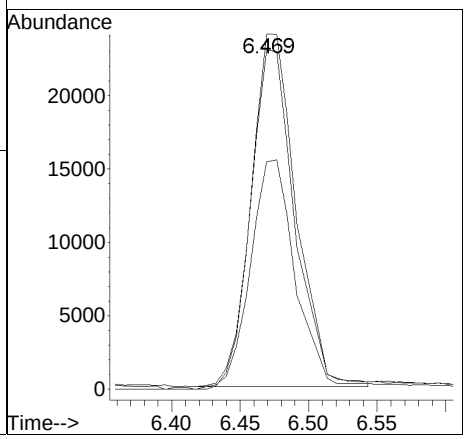


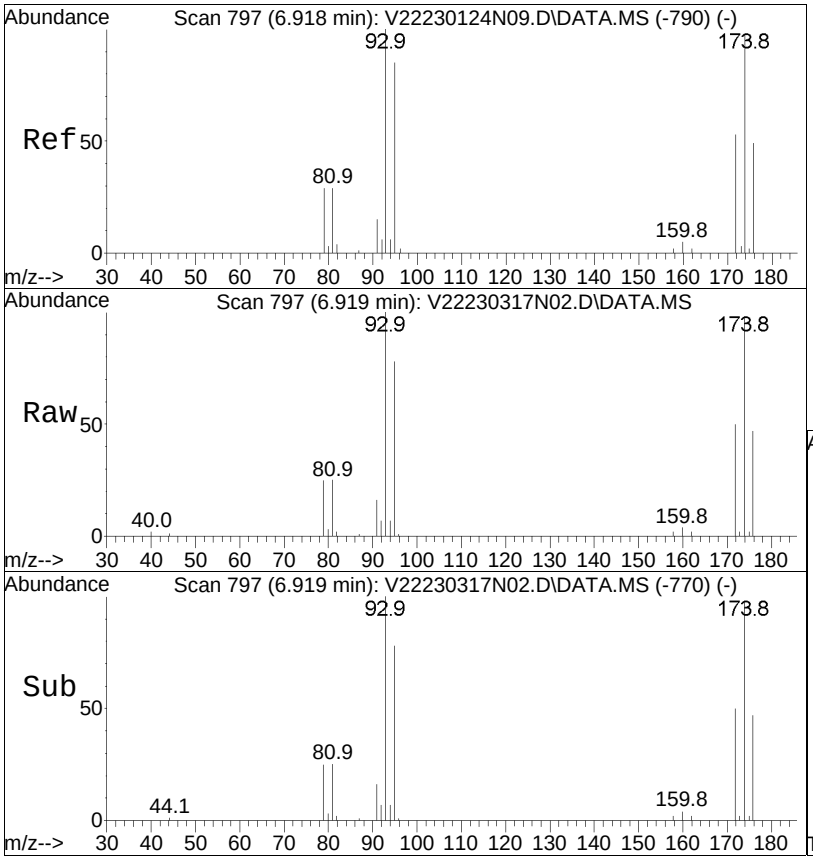


#51
Trichloroethene
Concen: 9.74 ug/L
RT: 6.469 min Scan# 738
Delta R.T. -0.007 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 95 Resp: 53048

Ion	Ratio	Lower	Upper
95	100		
97	70.5	55.0	82.4
130	107.0	89.2	133.8

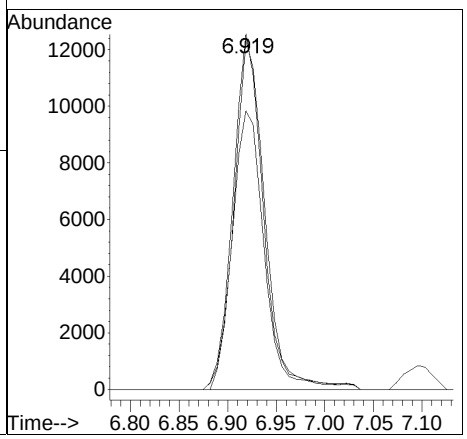


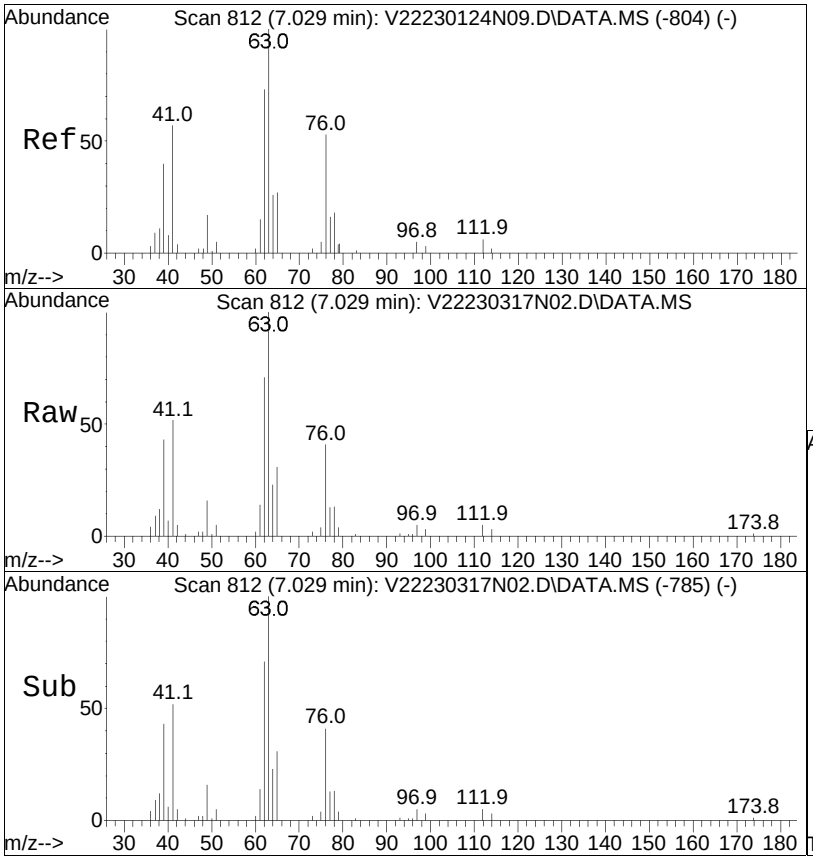


#53
Dibromomethane
Concen: 10.13 ug/L
RT: 6.919 min Scan# 797
Delta R.T. 0.001 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 93 Resp: 27288

Ion	Ratio	Lower	Upper
93	100		
95	82.3	68.0	102.0
174	99.3	106.1	159.1#

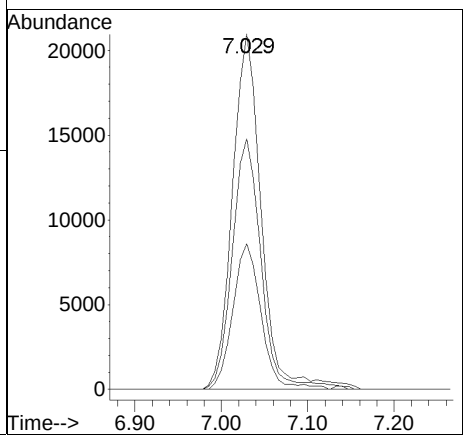


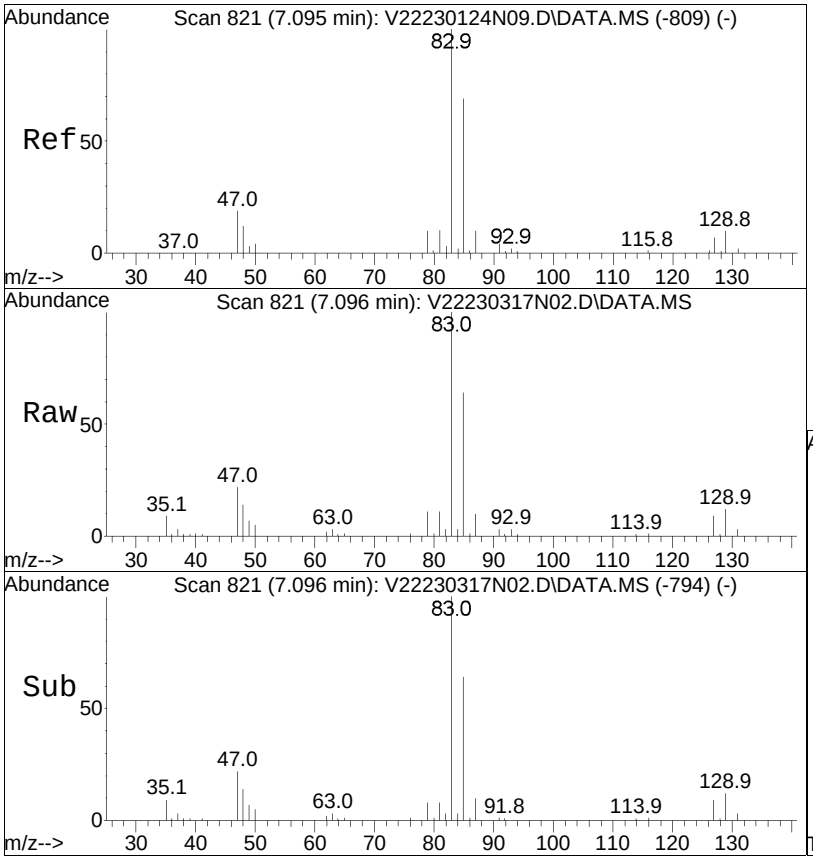


#54
1,2-Dichloropropane
Concen: 10.12 ug/L
RT: 7.029 min Scan# 812
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 63 Resp: 48975

Ion	Ratio	Lower	Upper
63	100		
62	70.3	56.9	85.3
76	40.1	35.8	53.8

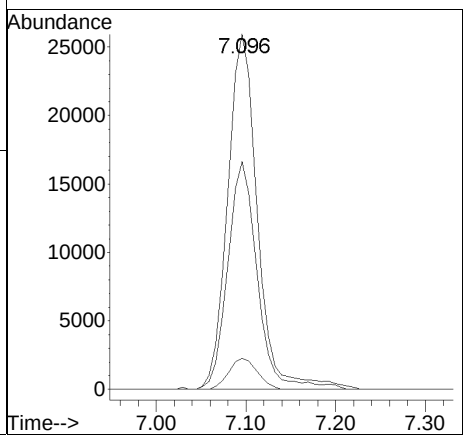


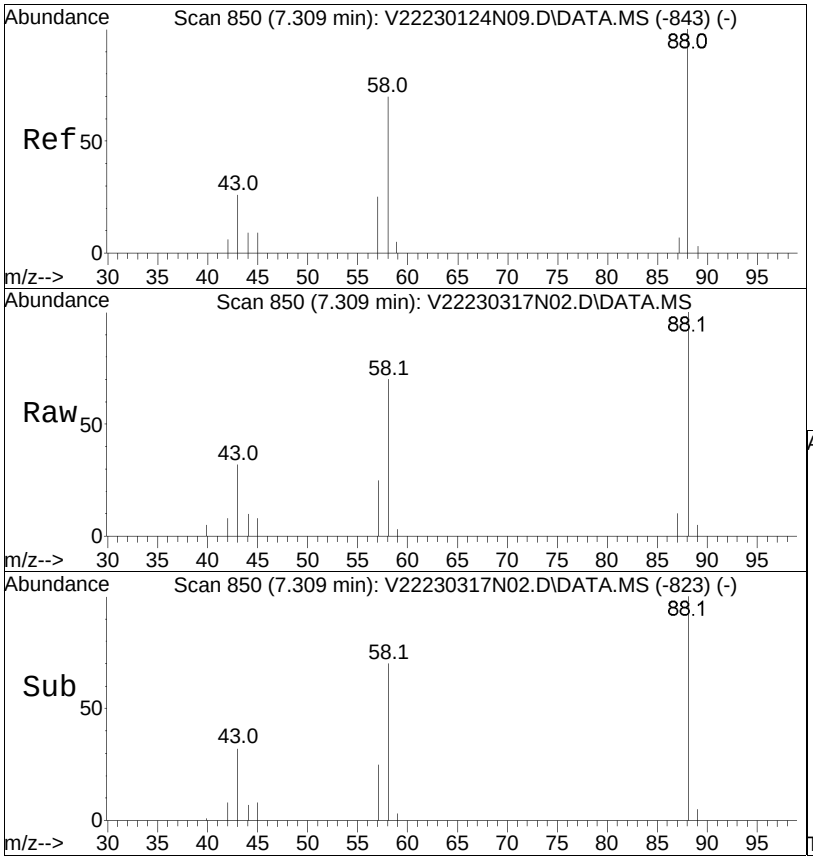


#57
Bromodichloromethane
Concen: 9.46 ug/L
RT: 7.096 min Scan# 821
Delta R.T. 0.001 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 83 Resp: 60116

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.6	77.4
127	8.4	7.4	11.0

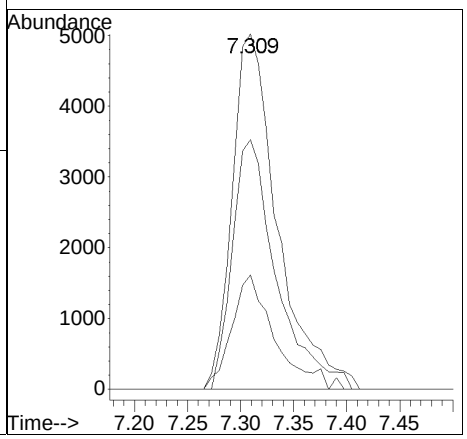


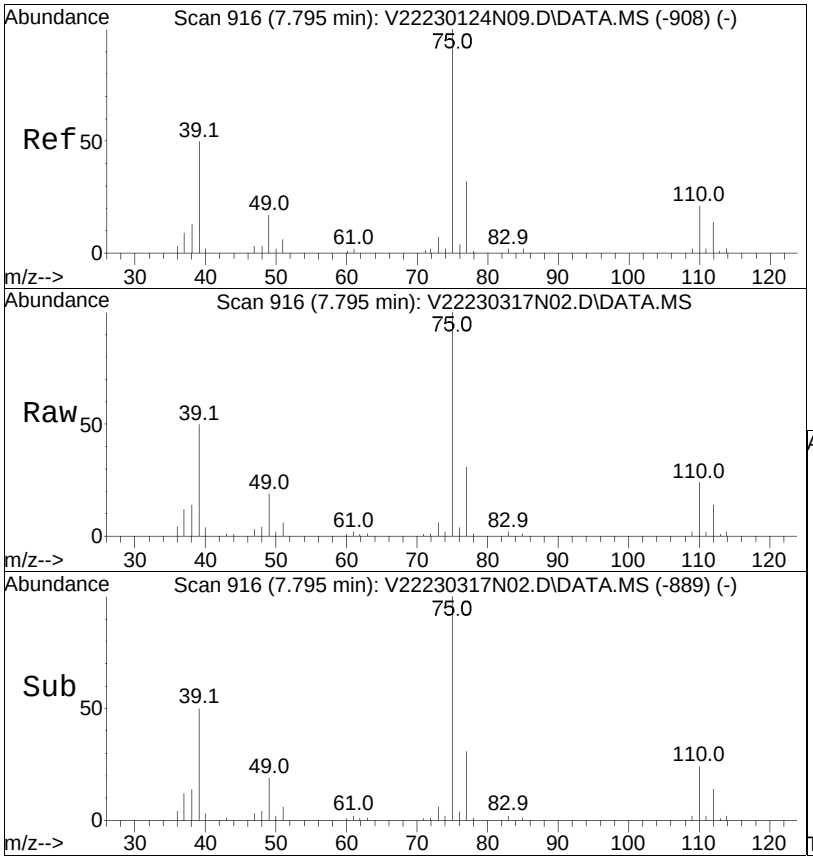


#60
1,4-Dioxane
Concen: 468.43 ug/L
RT: 7.309 min Scan# 850
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 88 Resp: 14985

Ion	Ratio	Lower	Upper
88	100		
58	68.3	43.3	64.9#
43	30.7	15.1	22.7#

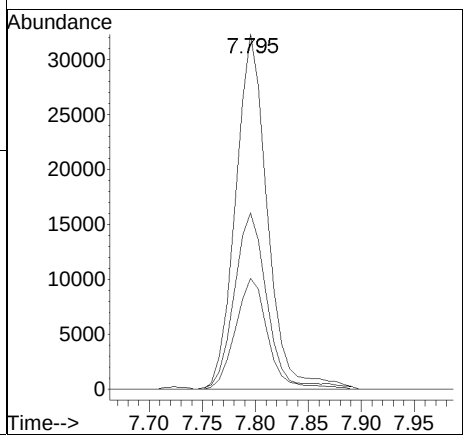


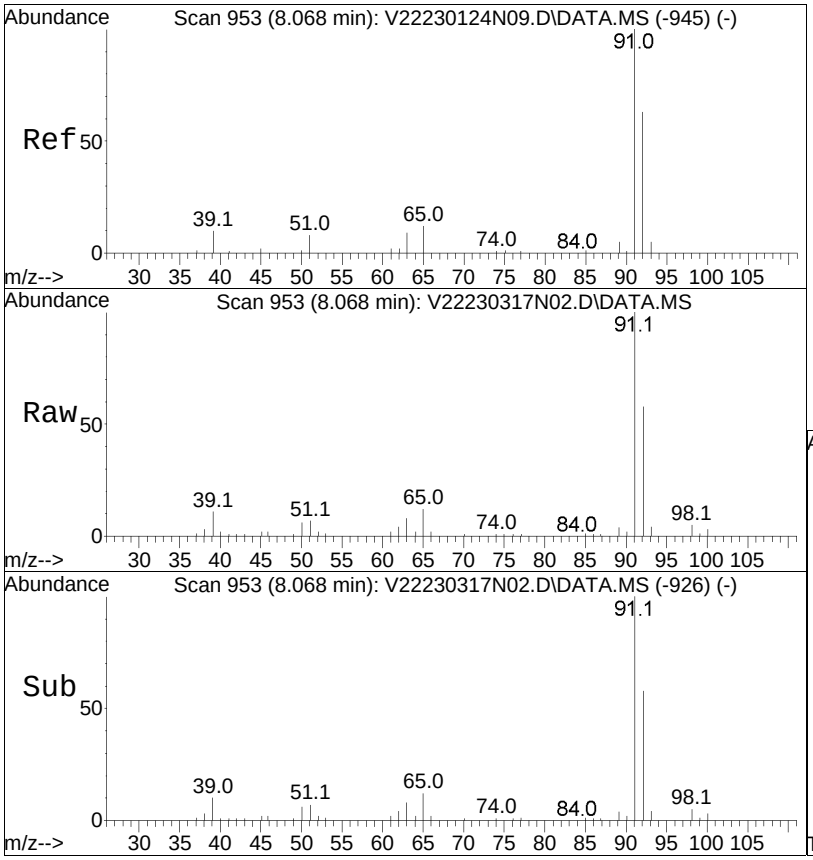


#61
cis-1,3-Dichloropropene
Concen: 9.40 ug/L
RT: 7.795 min Scan# 916
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 75 Resp: 67646

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.6	38.4
39	51.5	35.4	53.0

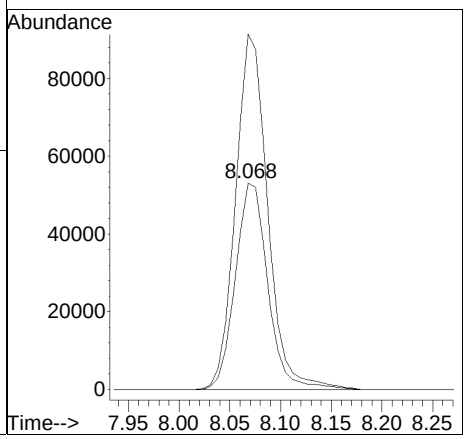


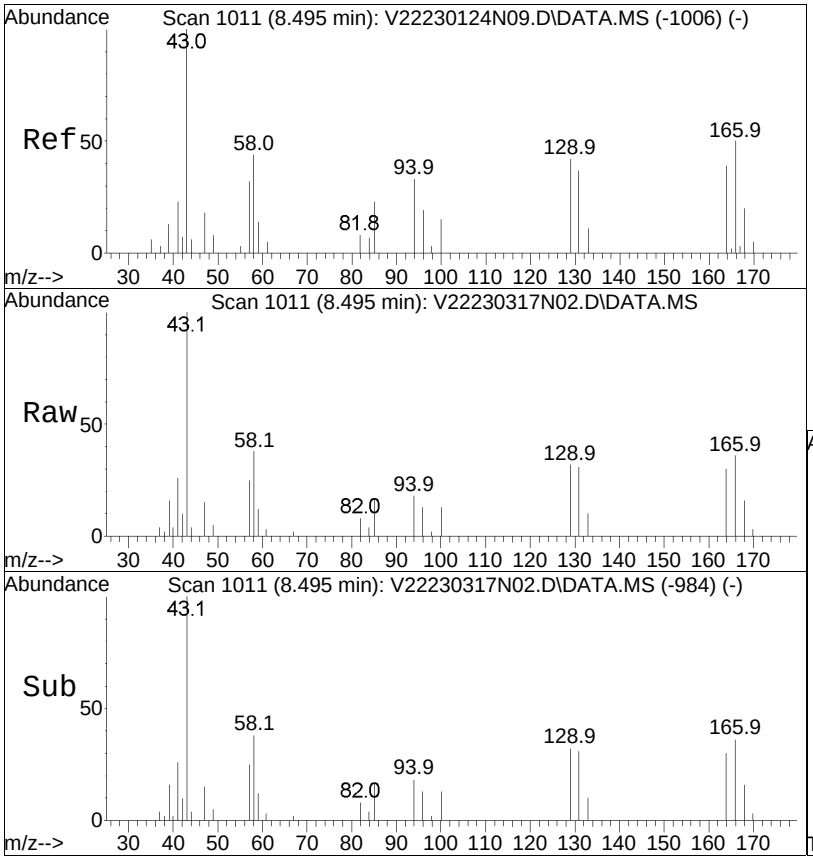


#64
Toluene
Concen: 10.06 ug/L
RT: 8.068 min Scan# 953
Delta R.T. -0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 92 Resp: 118301

Ion	Ratio	Lower	Upper
92	100		
91	170.1	137.0	205.6

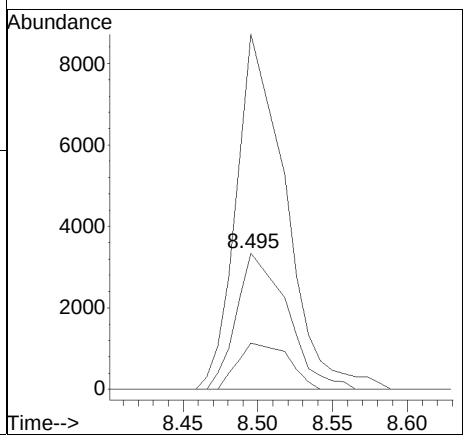


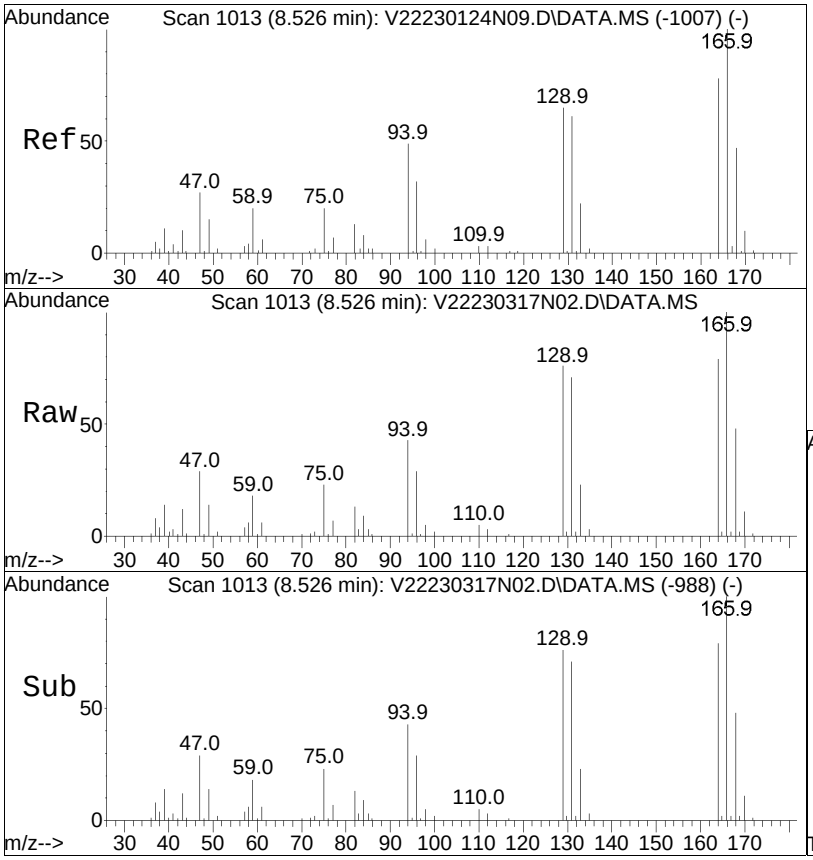


#65
4-Methyl-2-pentanone
Concen: 9.13 ug/L
RT: 8.495 min Scan# 1011
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 58 Resp: 6284

Ion	Ratio	Lower	Upper
58	100		
100	34.5	36.2	54.4#
43	248.8	181.8	272.8

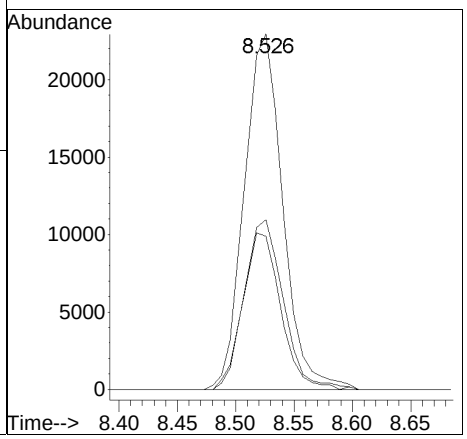


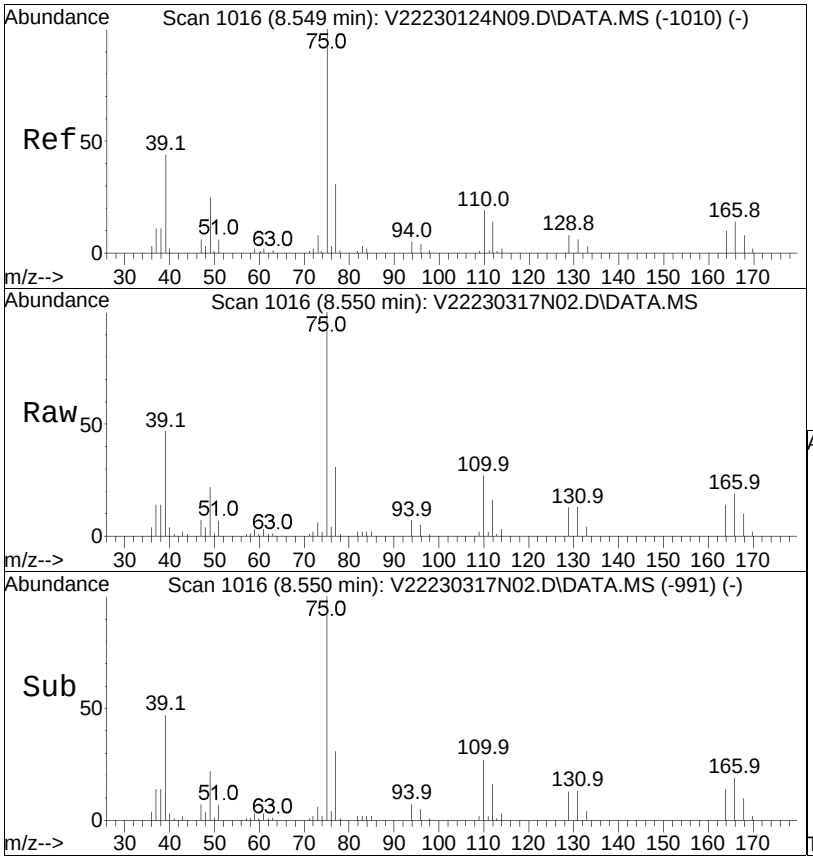


#66
Tetrachloroethene
Concen: 10.05 ug/L
RT: 8.526 min Scan# 1013
Delta R.T. -0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:166 Resp: 45857

Ion	Ratio	Lower	Upper
166	100		
168	48.7	27.8	67.8
94	42.7	16.7	56.7

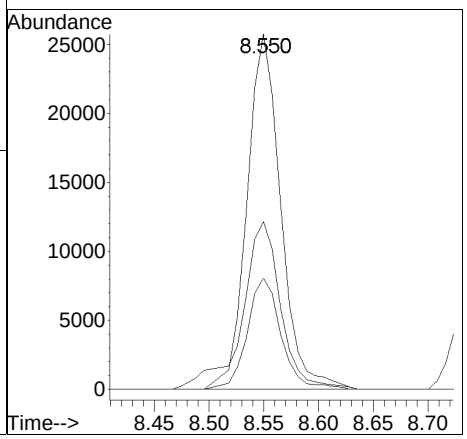


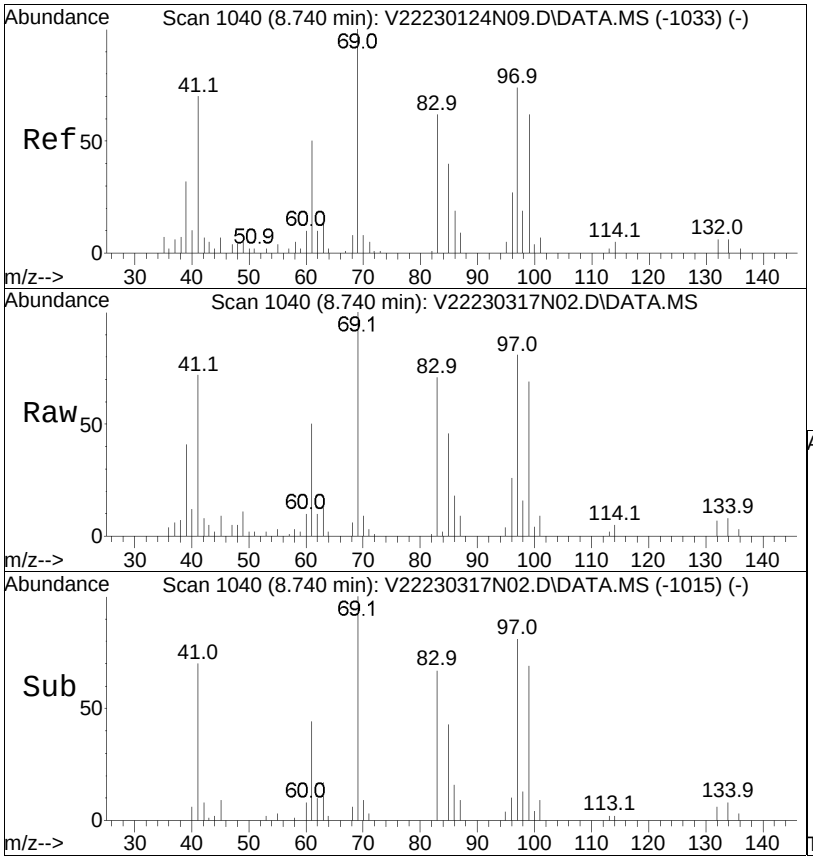


#68
trans-1,3-Dichloropropene
Concen: 8.92 ug/L
RT: 8.550 min Scan# 1016
Delta R.T. 0.001 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 75 Resp: 60036

Ion	Ratio	Lower	Upper
75	100		
77	31.5	11.9	51.9
39	50.9	27.4	67.4

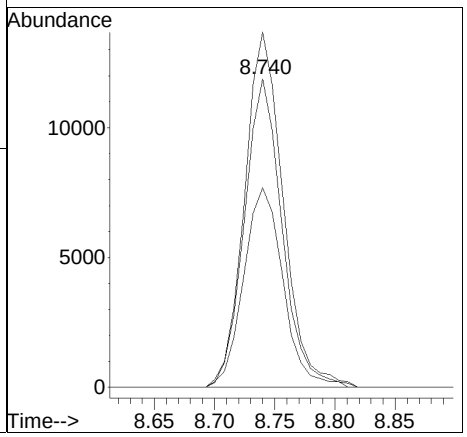


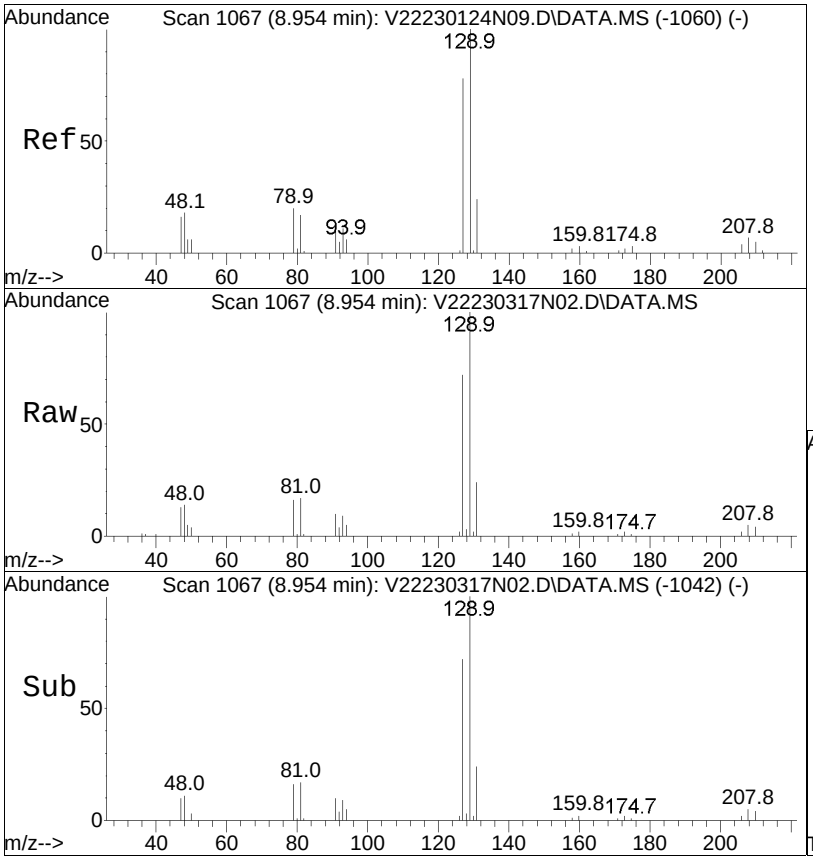


#71
1,1,2-Trichloroethane
Concen: 9.39 ug/L
RT: 8.740 min Scan# 1040
Delta R.T. -0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 83 Resp: 25973

Ion	Ratio	Lower	Upper
83	100		
97	117.7	103.4	143.4
85	67.6	47.9	87.9

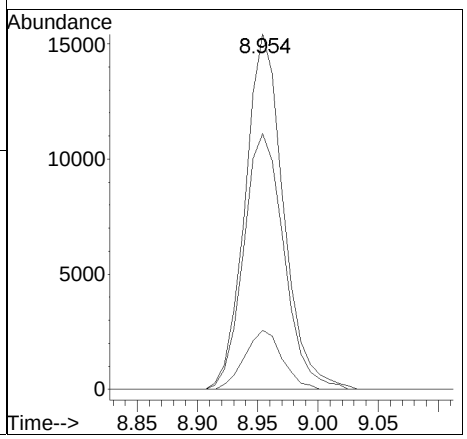


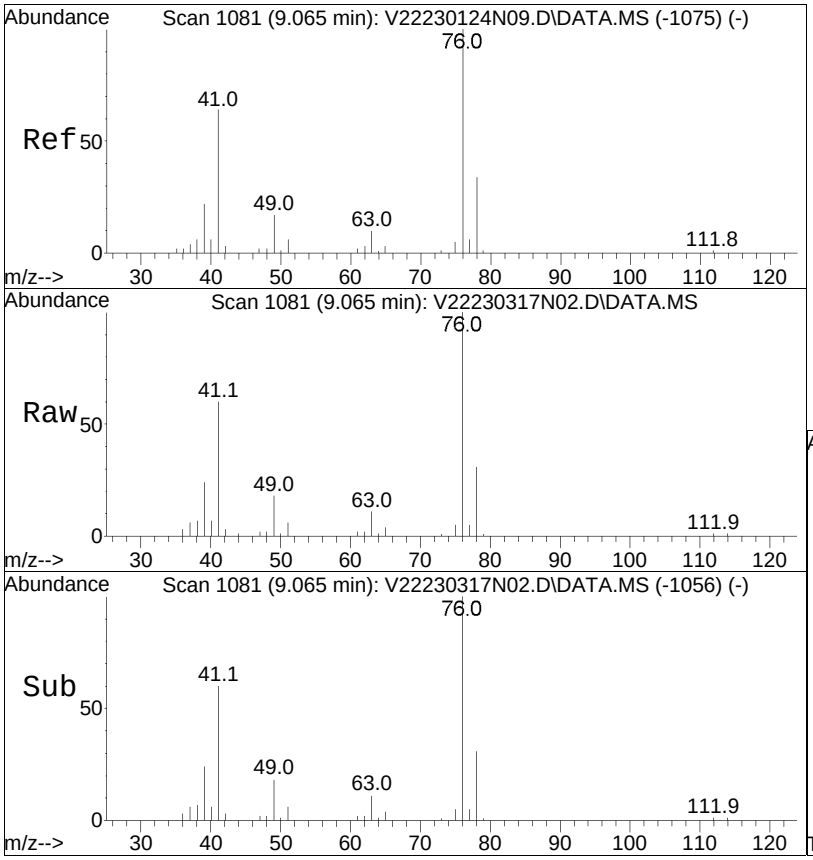


#72
Chlorodibromomethane
Concen: 8.54 ug/L
RT: 8.954 min Scan# 1067
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:129 Resp: 34219

Ion	Ratio	Lower	Upper
129	100		
81	16.3	0.0	33.8
127	75.7	57.1	97.1

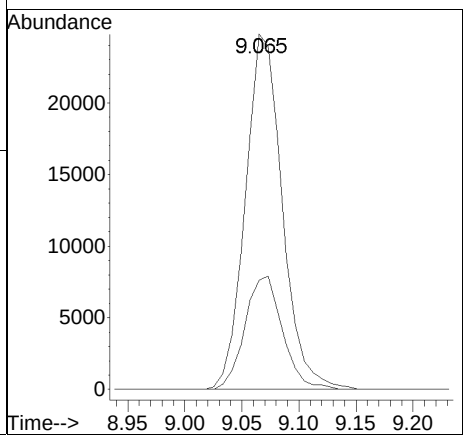


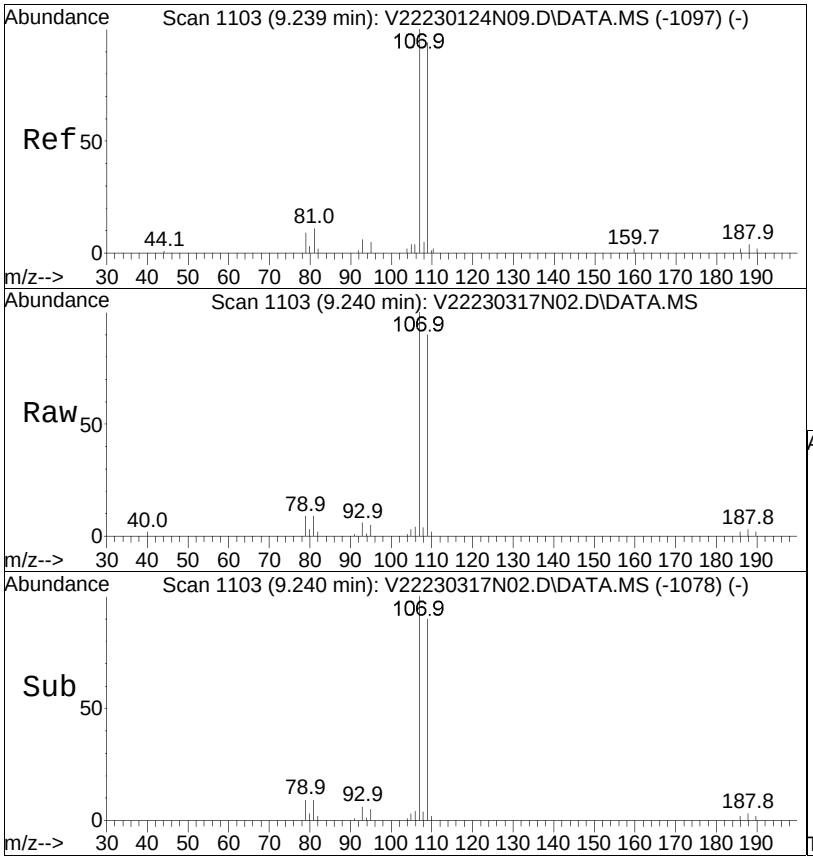


#73
1,3-Dichloropropane
Concen: 9.54 ug/L
RT: 9.065 min Scan# 1081
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 76 Resp: 55887

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.7	38.5

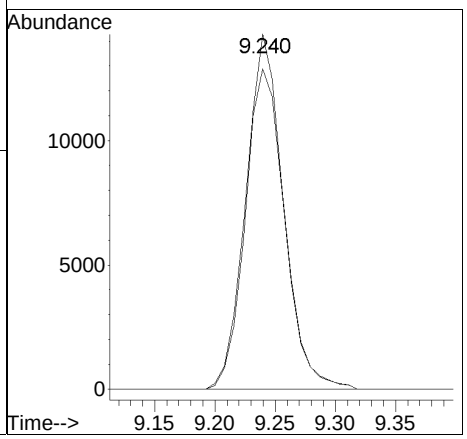


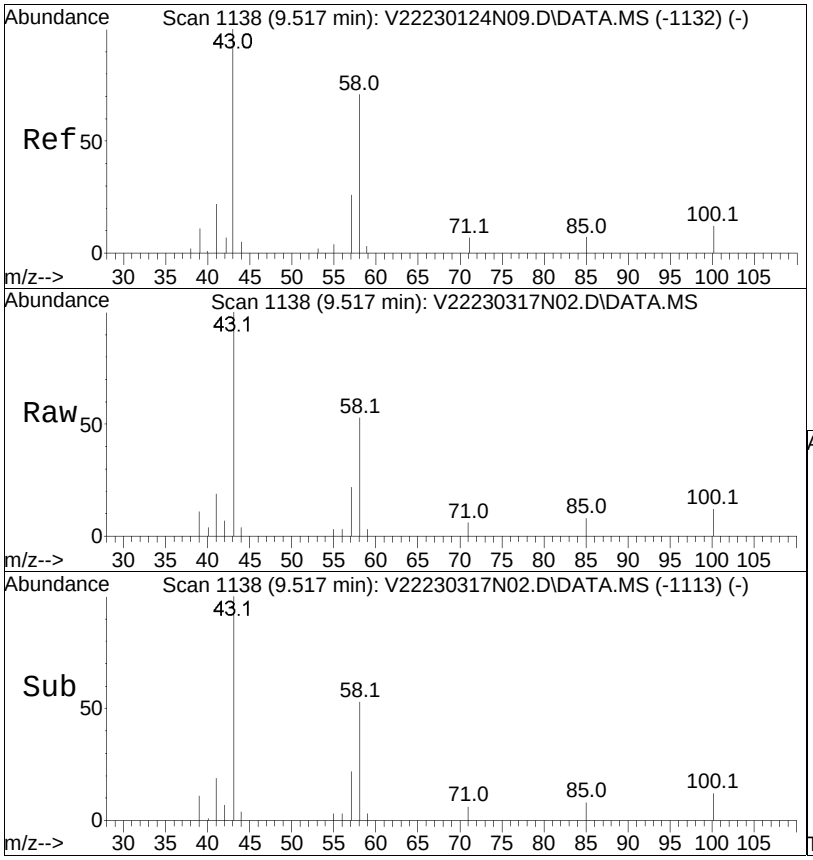


#74
1,2-Dibromoethane
Concen: 9.54 ug/L
RT: 9.240 min Scan# 1103
Delta R.T. 0.001 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:107 Resp: 31169

Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.1	112.7

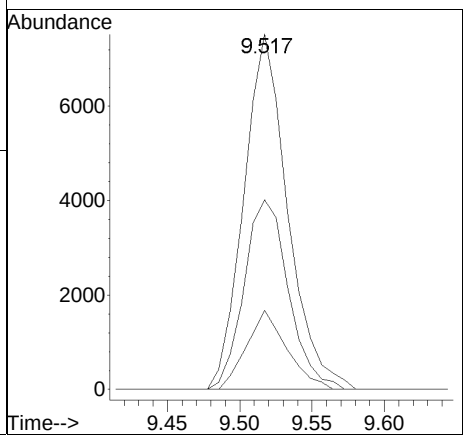


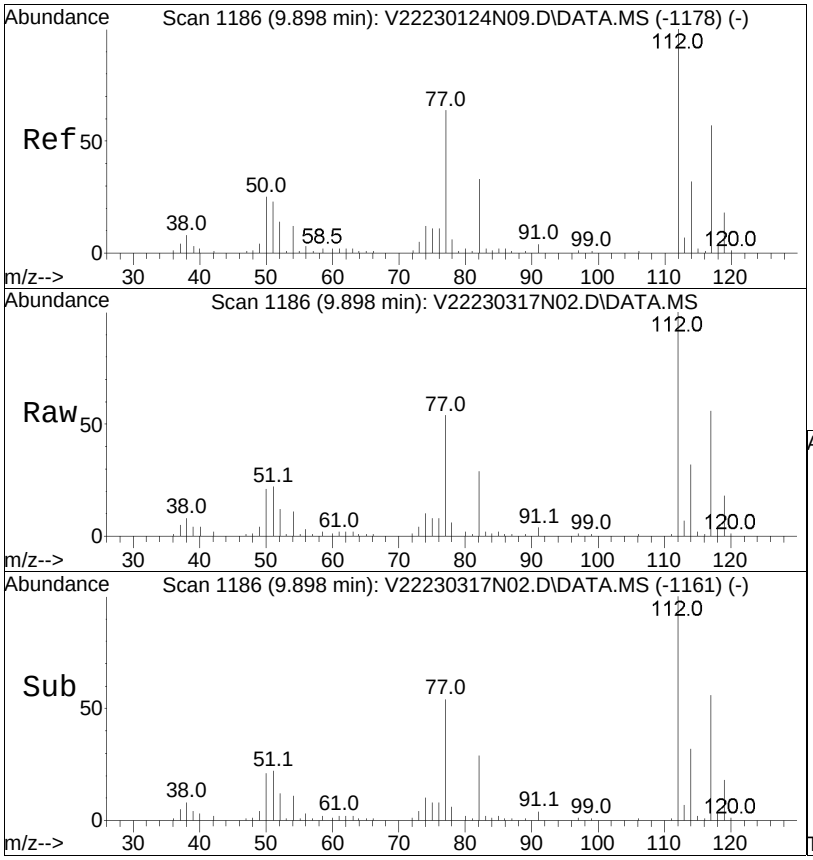


#76
2-Hexanone
Concen: 8.24 ug/L
RT: 9.517 min Scan# 1138
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 43 Resp: 15940

Ion	Ratio	Lower	Upper
43	100		
58	53.9	47.6	71.4
57	20.5	16.6	24.8

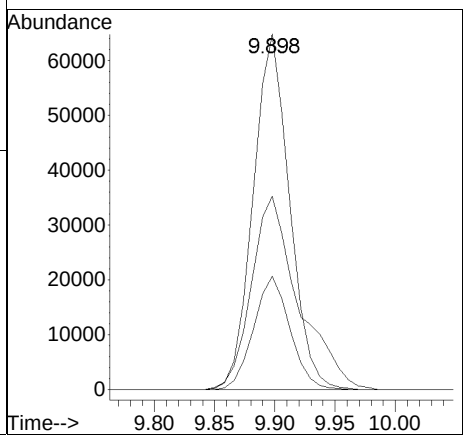


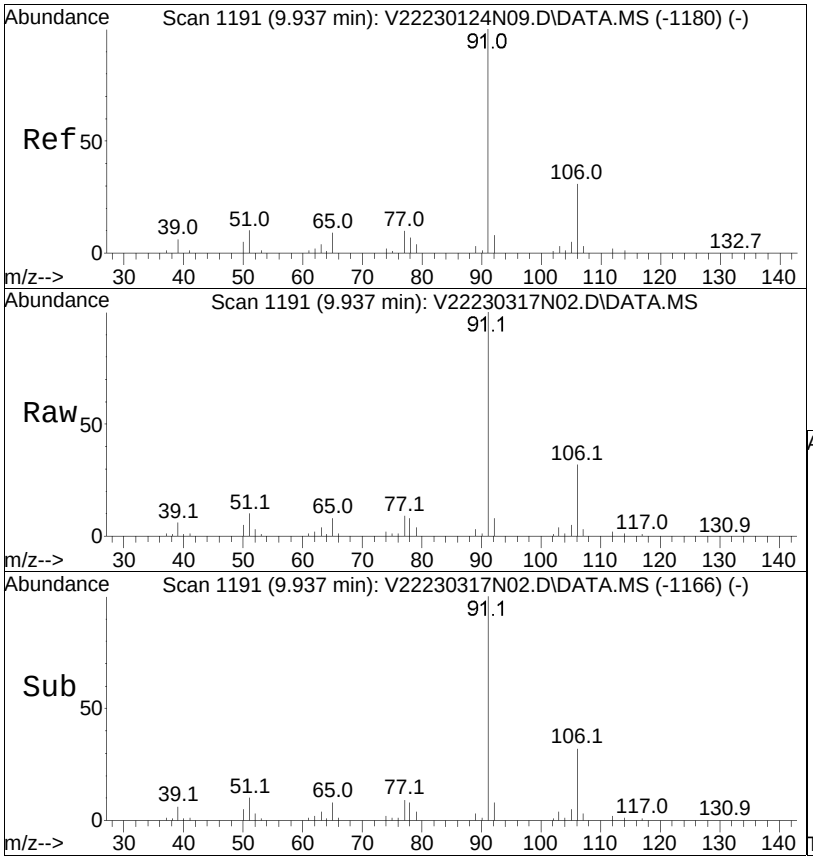


#77
Chlorobenzene
Concen: 10.21 ug/L
RT: 9.898 min Scan# 1186
Delta R.T. -0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:112 Resp: 135489

Ion	Ratio	Lower	Upper
112	100		
77	70.5	55.4	83.0
114	31.8	26.2	39.4

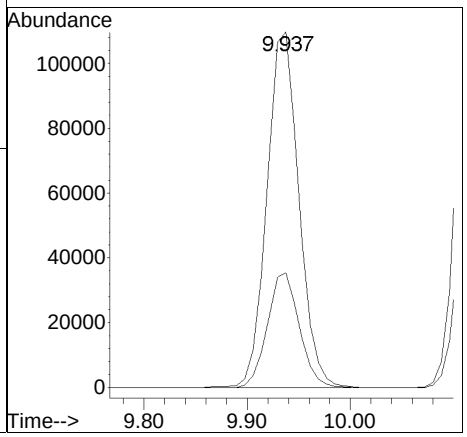


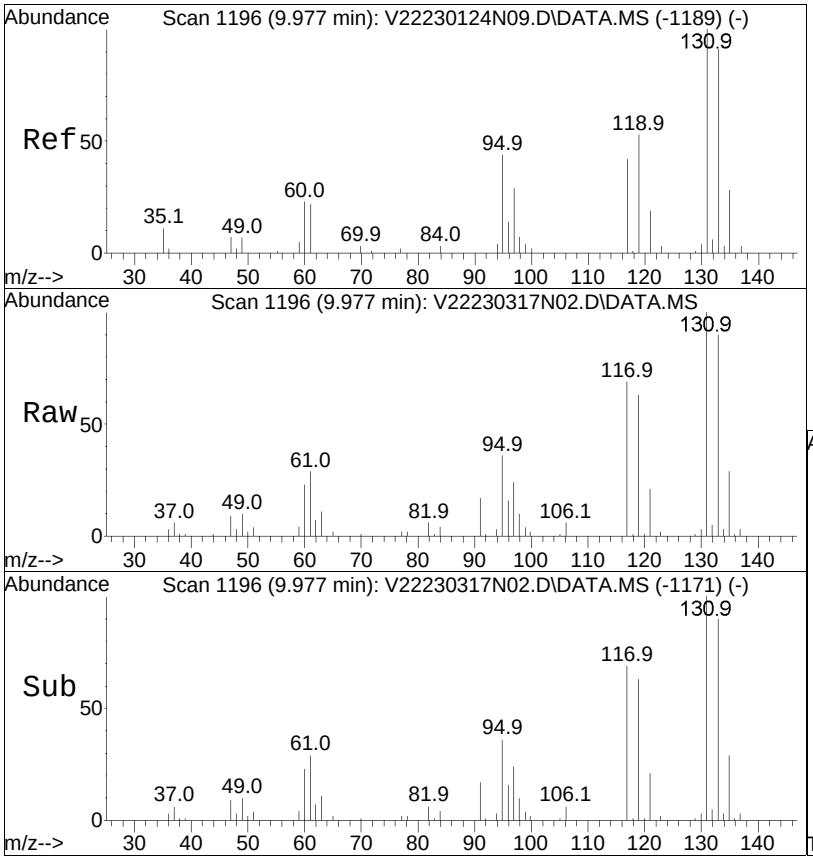


#78
Ethylbenzene
Concen: 10.17 ug/L
RT: 9.937 min Scan# 1191
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 91 Resp: 235902

Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.8	38.6

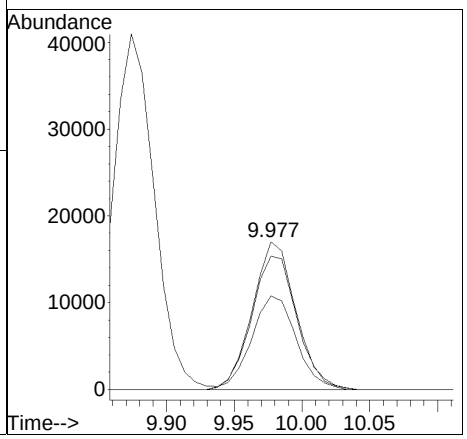


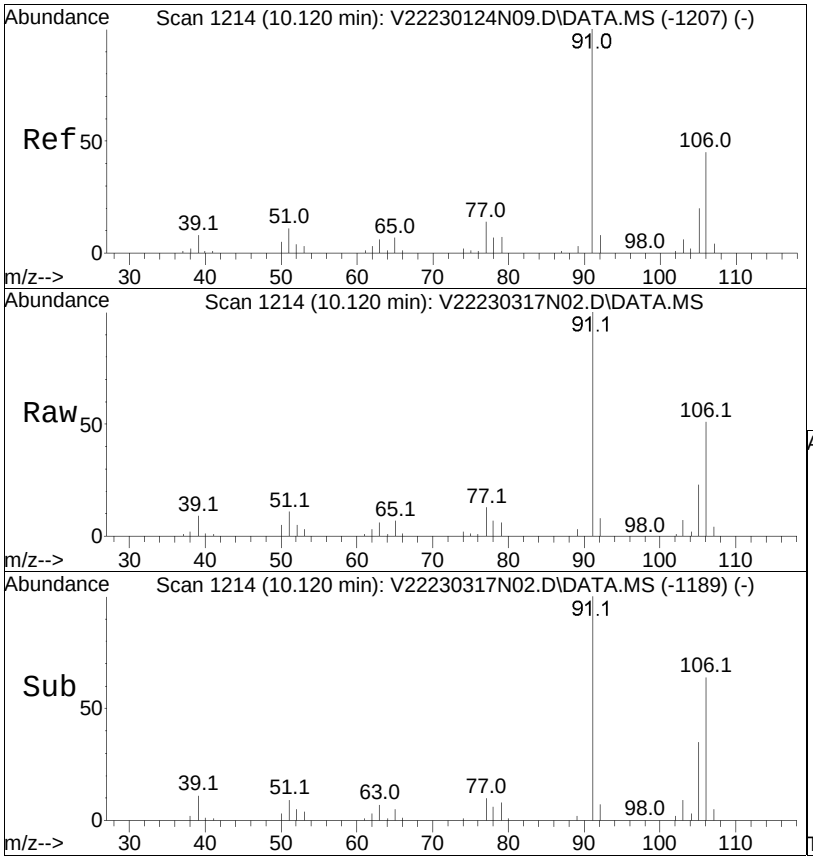


#79
1,1,1,2-Tetrachloroethane
Concen: 8.98 ug/L
RT: 9.977 min Scan# 1196
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:131 Resp: 38048

Ion	Ratio	Lower	Upper
131	100		
133	93.9	75.3	115.3
119	64.3	49.3	89.3

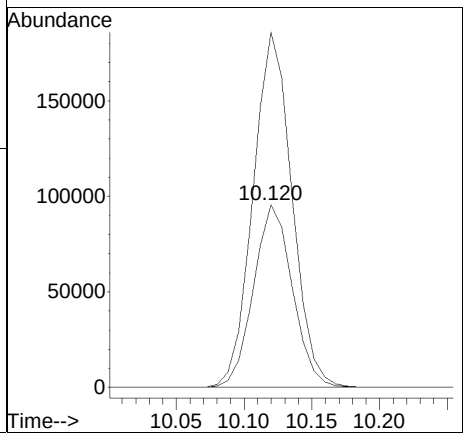


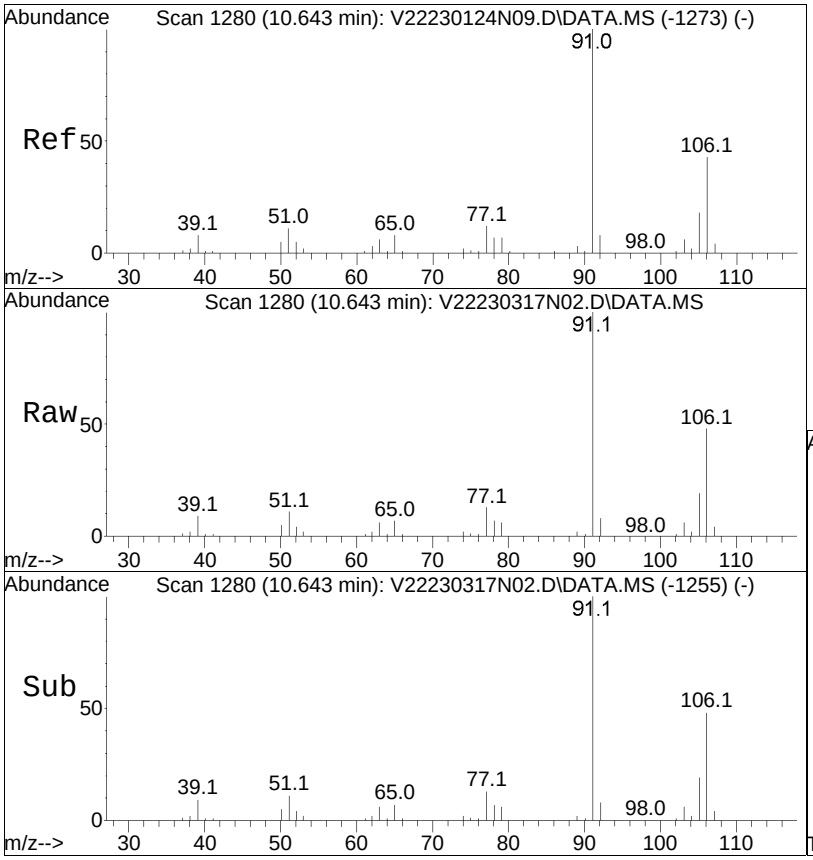


#80
p/m Xylene
Concen: 20.87 ug/L
RT: 10.120 min Scan# 1214
Delta R.T. -0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:106 Resp: 190636

Ion	Ratio	Lower	Upper
106	100		
91	194.6	156.0	234.0

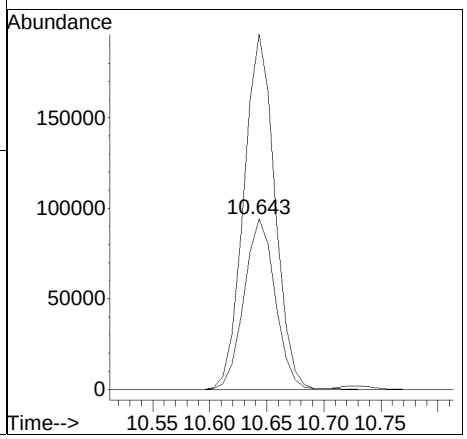


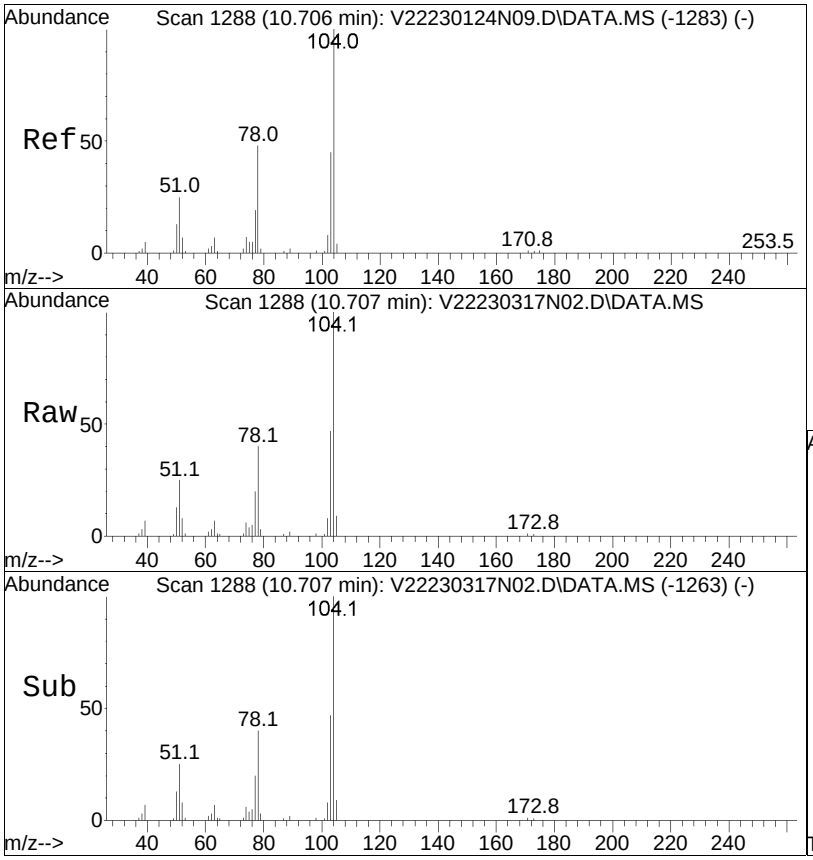


#81
o Xylene
Concen: 20.44 ug/L
RT: 10.643 min Scan# 1280
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:106 Resp: 179484

Ion	Ratio	Lower	Upper
106	100		
91	206.8	164.0	246.0

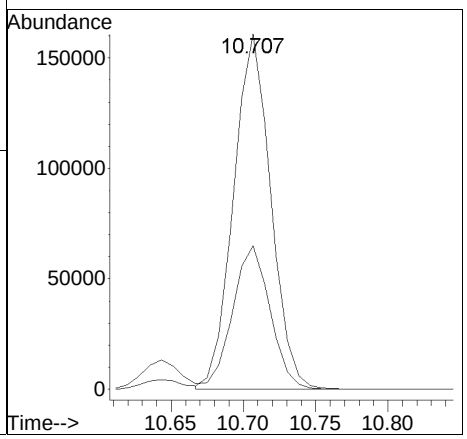


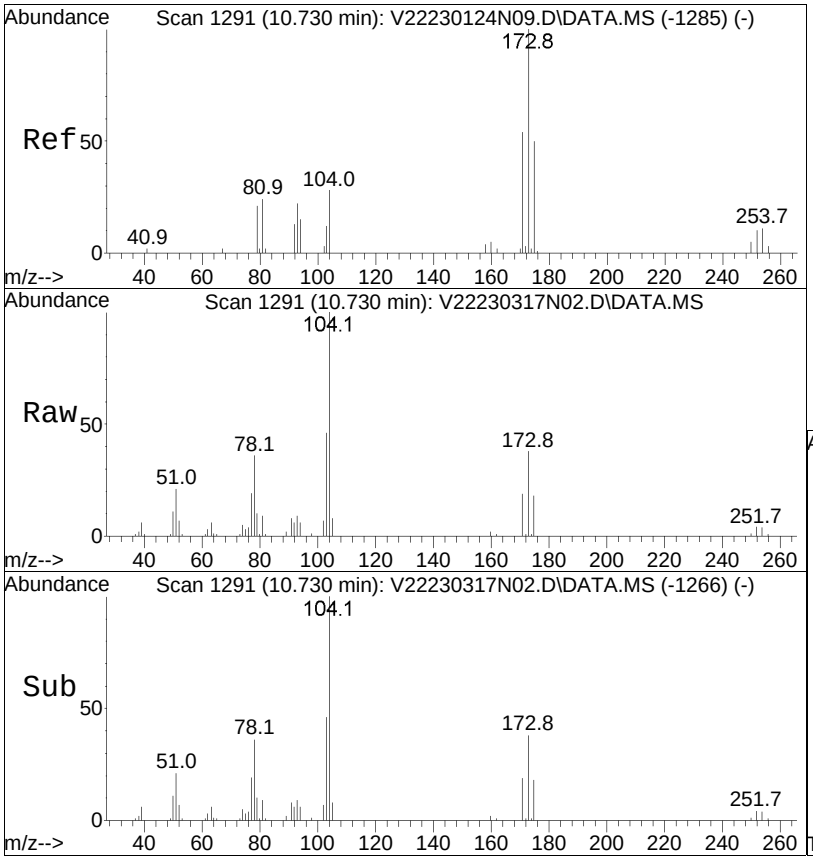


#82
Styrene
Concen: 19.82 ug/L
RT: 10.707 min Scan# 1288
Delta R.T. 0.001 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:104 Resp: 288433

Ion	Ratio	Lower	Upper
104	100		
78	40.8	32.1	48.1

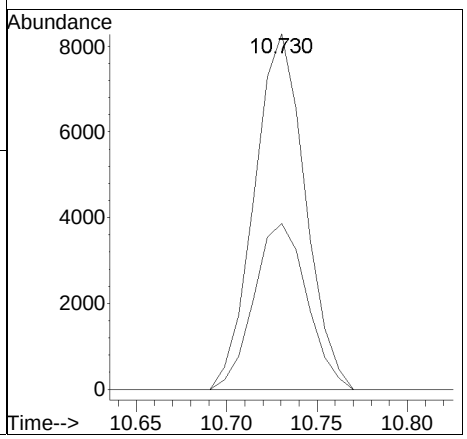


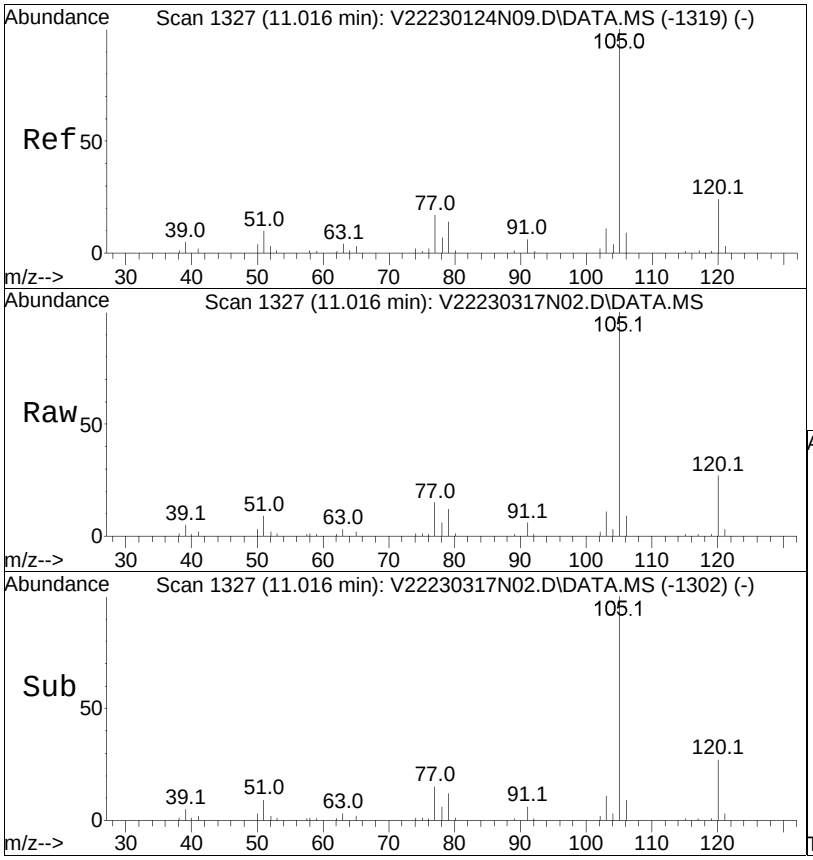


#84
Bromoform
Concen: 6.62 ug/L
RT: 10.730 min Scan# 1291
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:173 Resp: 16206

Ion	Ratio	Lower	Upper
173	100		
175	48.7	29.3	69.3

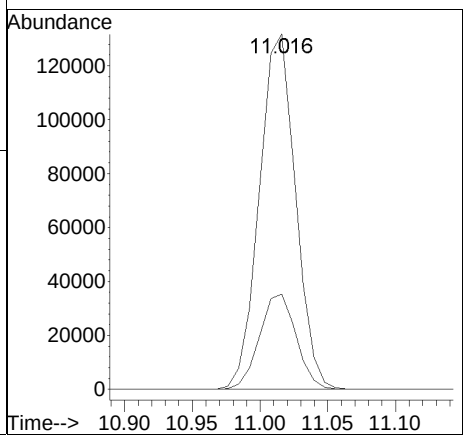


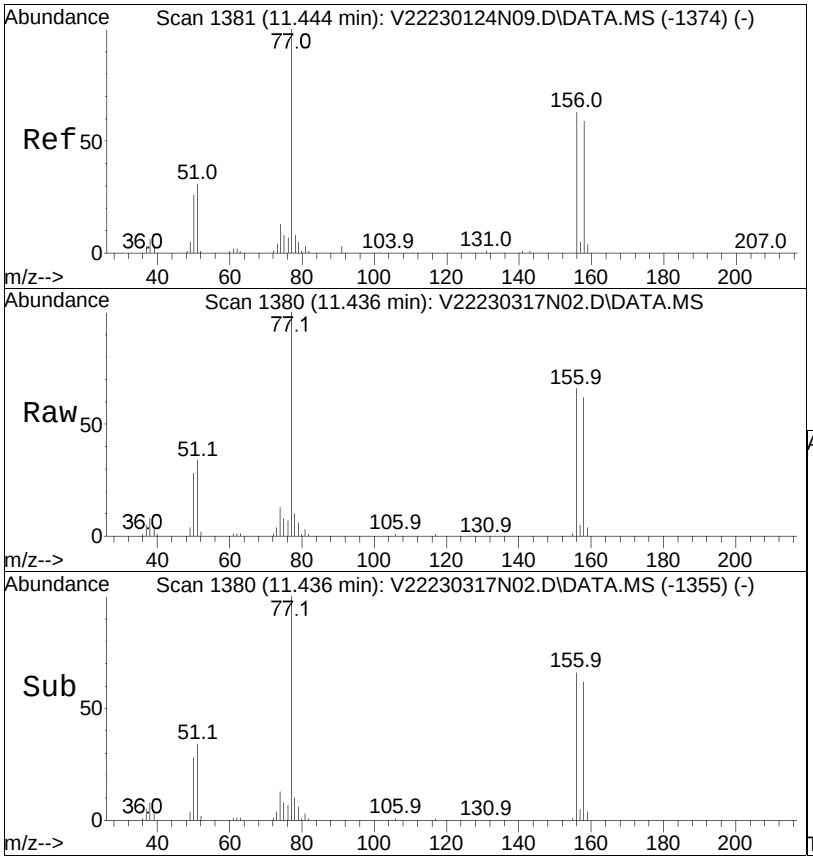


#86
Isopropylbenzene
Concen: 10.27 ug/L
RT: 11.016 min Scan# 1327
Delta R.T. -0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:105 Resp: 245299

Ion	Ratio	Lower	Upper
105	100		
120	27.1	7.7	47.7

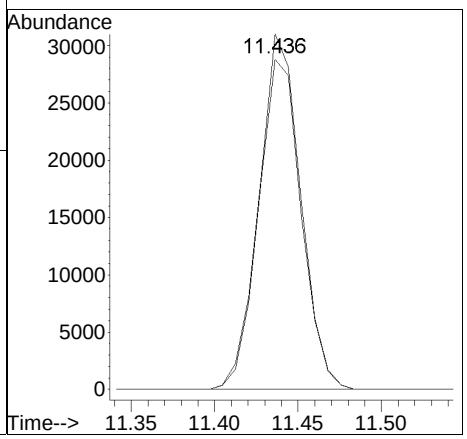


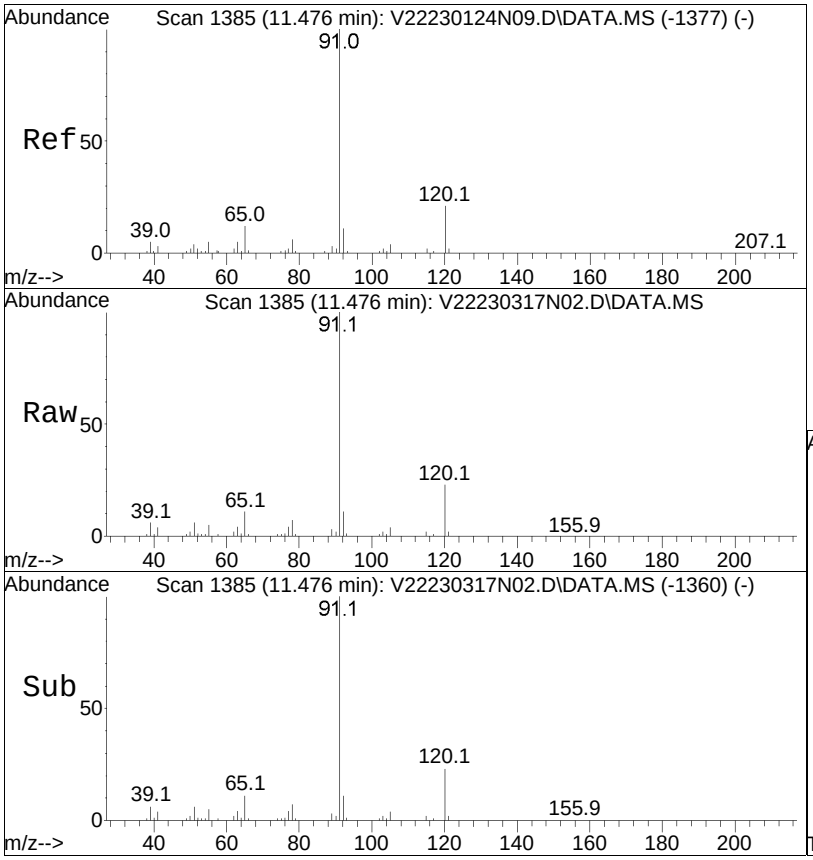


#88
Bromobenzene
Concen: 10.15 ug/L
RT: 11.436 min Scan# 1380
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:156 Resp: 53963

Ion	Ratio	Lower	Upper
156	100		
158	94.9	77.9	116.9

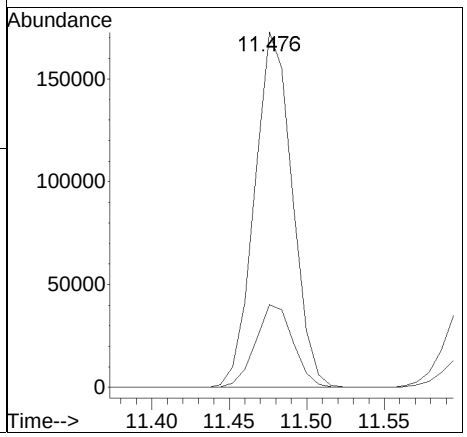


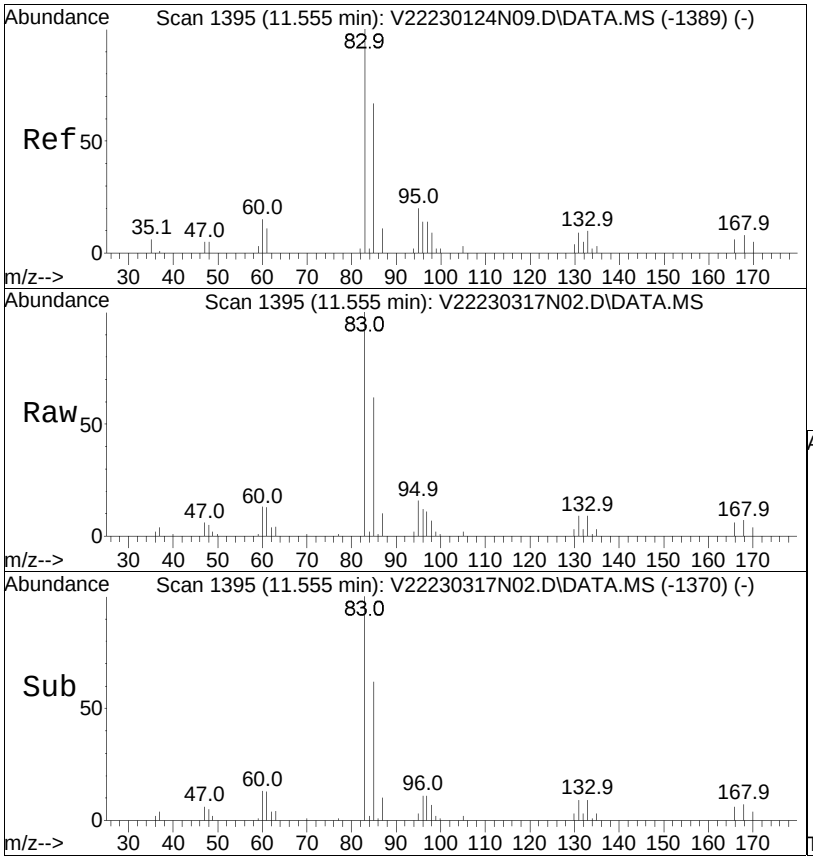


#89
n-Propylbenzene
Concen: 10.29 ug/L
RT: 11.476 min Scan# 1385
Delta R.T. -0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 91 Resp: 291589

Ion	Ratio	Lower	Upper
91	100		
120	23.4	19.5	29.3

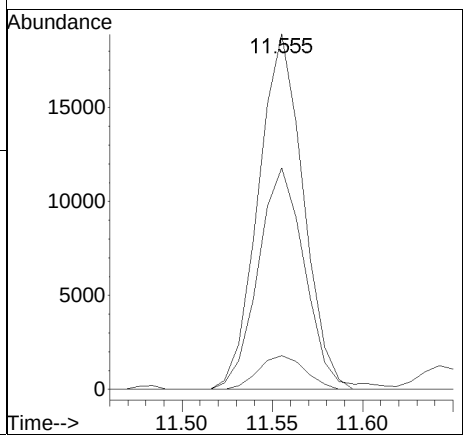


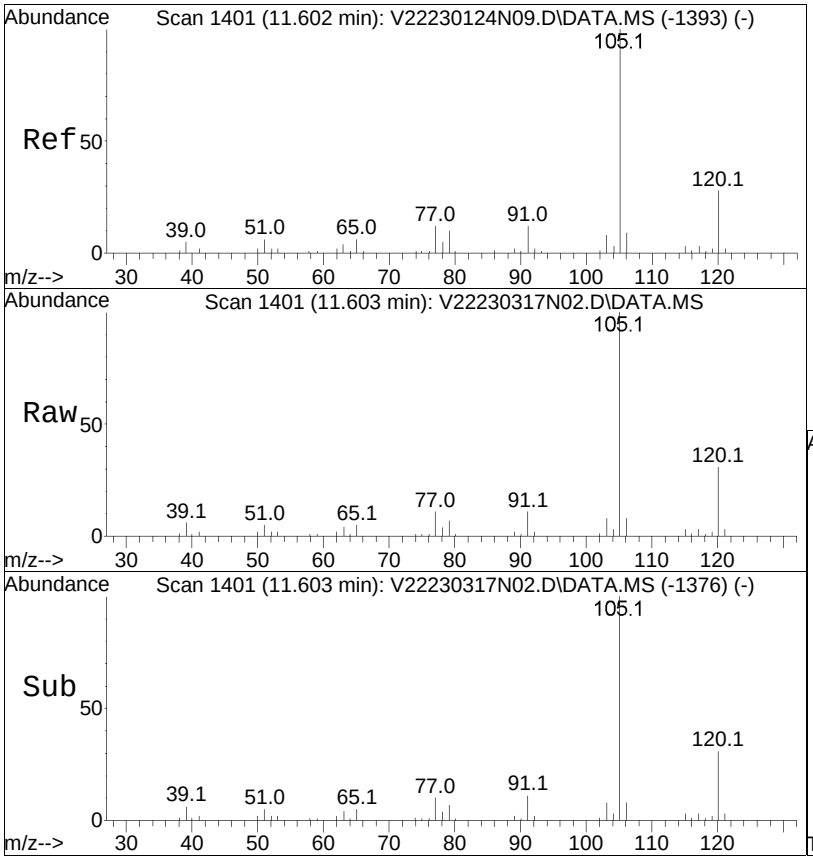


#91
1,1,2,2-Tetrachloroethane
Concen: 9.09 ug/L
RT: 11.555 min Scan# 1395
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 83 Resp: 32677

Ion	Ratio	Lower	Upper
83	100		
131	9.9	0.0	30.8
85	65.4	45.4	85.4

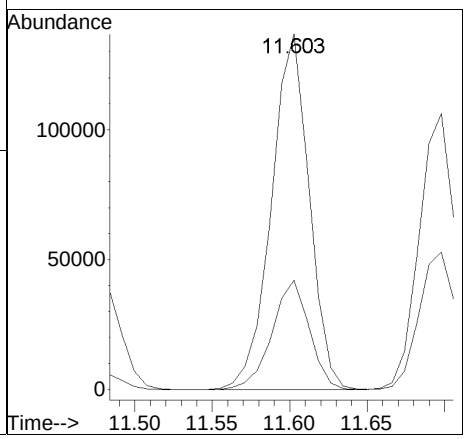


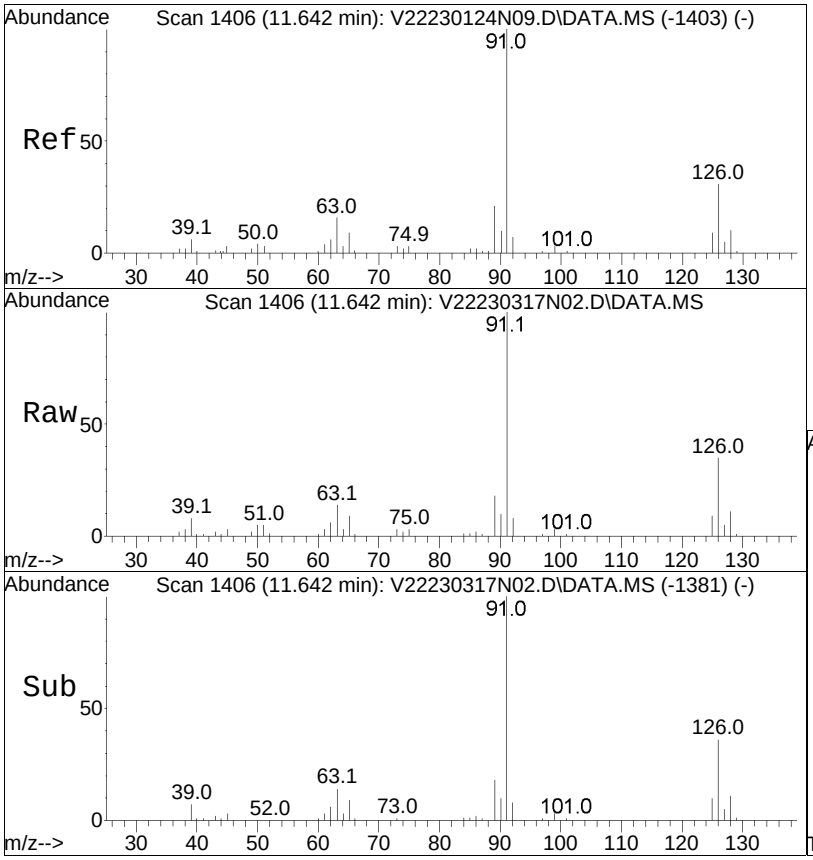


#92
4-Ethyltoluene
Concen: 10.23 ug/L
RT: 11.603 min Scan# 1401
Delta R.T. -0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:105 Resp: 232752

Ion	Ratio	Lower	Upper
105	100		
120	30.2	19.8	41.0

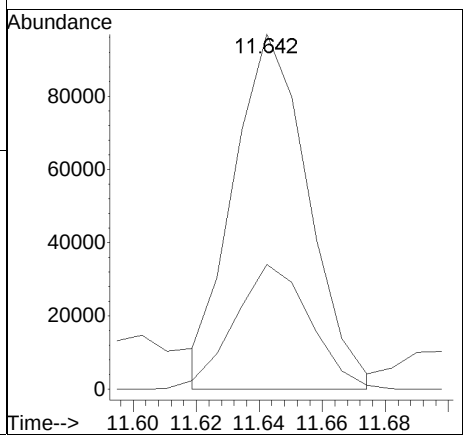


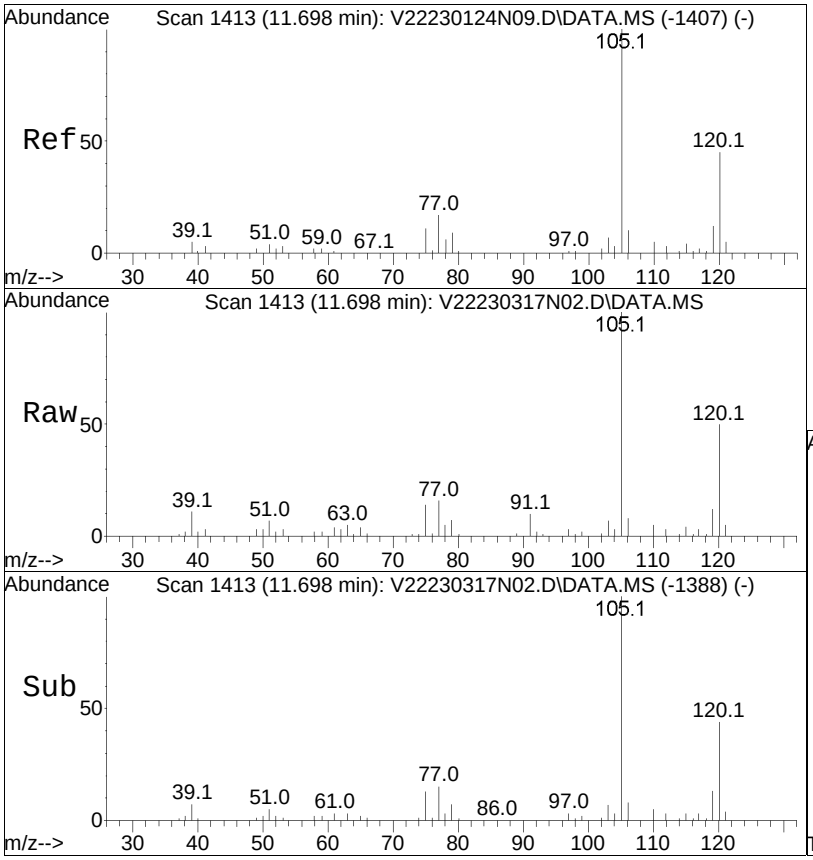


#93
2-Chlorotoluene
Concen: 9.98 ug/L M6
RT: 11.642 min Scan# 1406
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 91 Resp: 160114

Ion	Ratio	Lower	Upper
91	100		
126	35.7	24.6	37.0

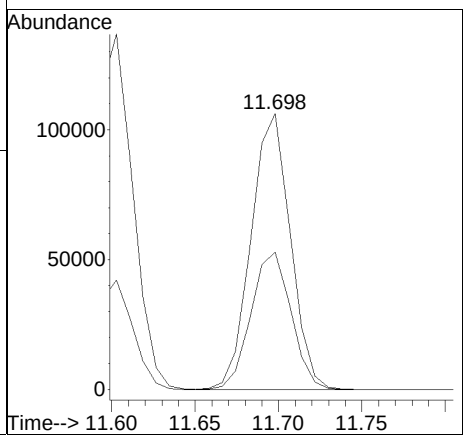


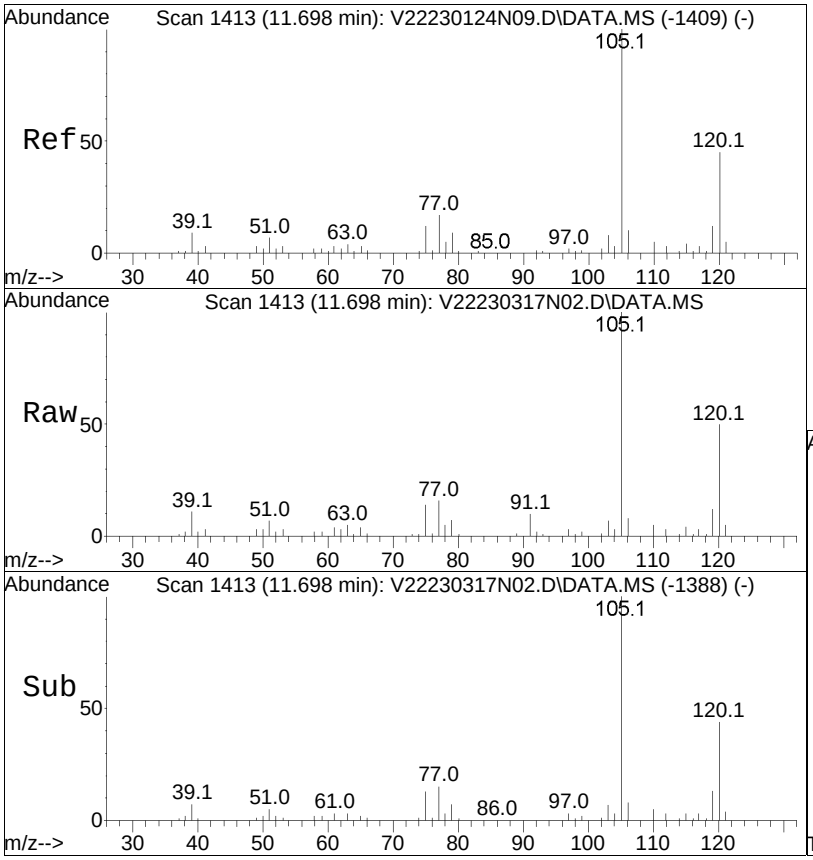


#94
1,3,5-Trimethylbenzene
Concen: 9.50 ug/L
RT: 11.698 min Scan# 1413
Delta R.T. -0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:105 Resp: 174207

Ion	Ratio	Lower	Upper
105	100		
120	50.6	40.9	61.3

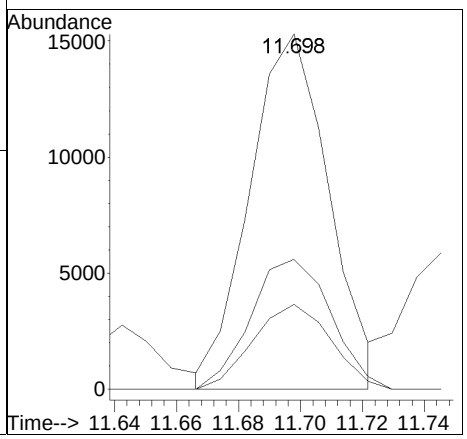


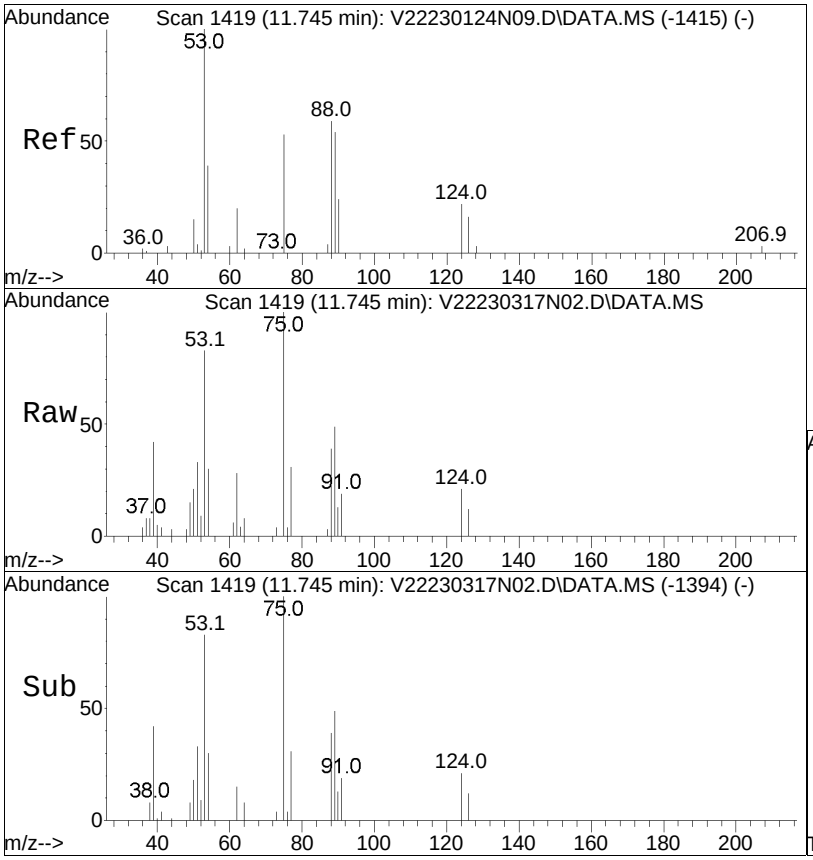


#95
1,2,3-Trichloropropane
Concen: 8.97 ug/L
RT: 11.698 min Scan# 1413
Delta R.T. -0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 75 Resp: 27158

Ion	Ratio	Lower	Upper
75	100		
110	37.1	26.3	54.7
112	23.6	16.8	35.0

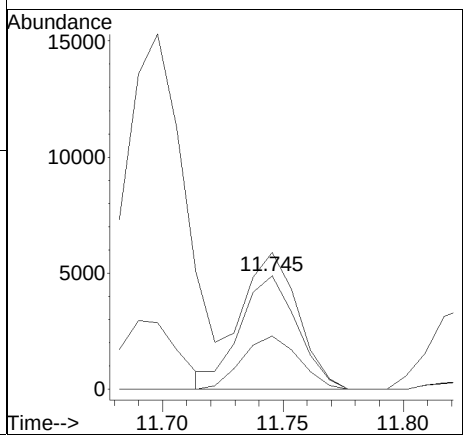


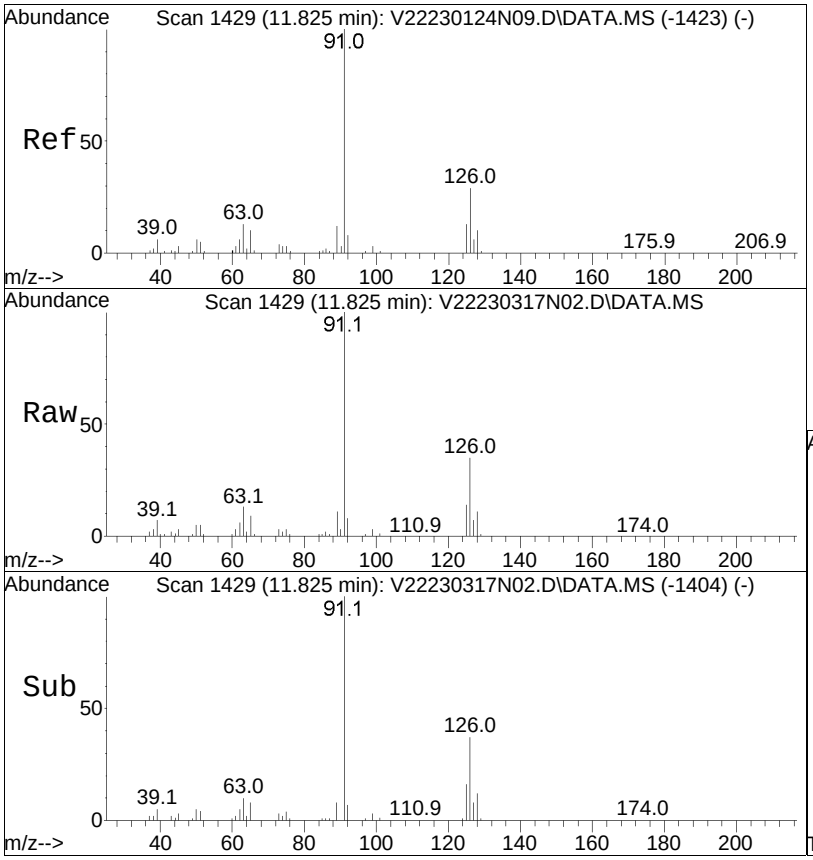


#96
trans-1,4-Dichloro-2-butene
Concen: 7.79 ug/L
RT: 11.745 min Scan# 1419
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 53 Resp: 8117

Ion	Ratio	Lower	Upper
53	100		
88	46.4	46.3	69.5
75	115.1	109.0	163.4

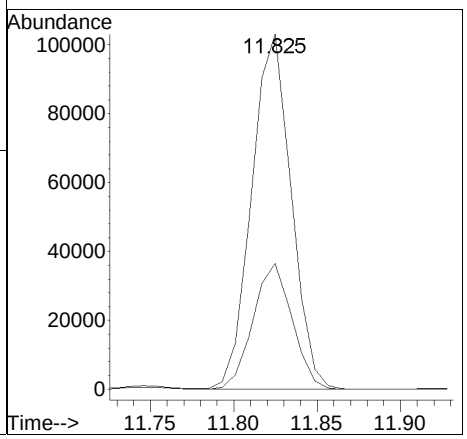


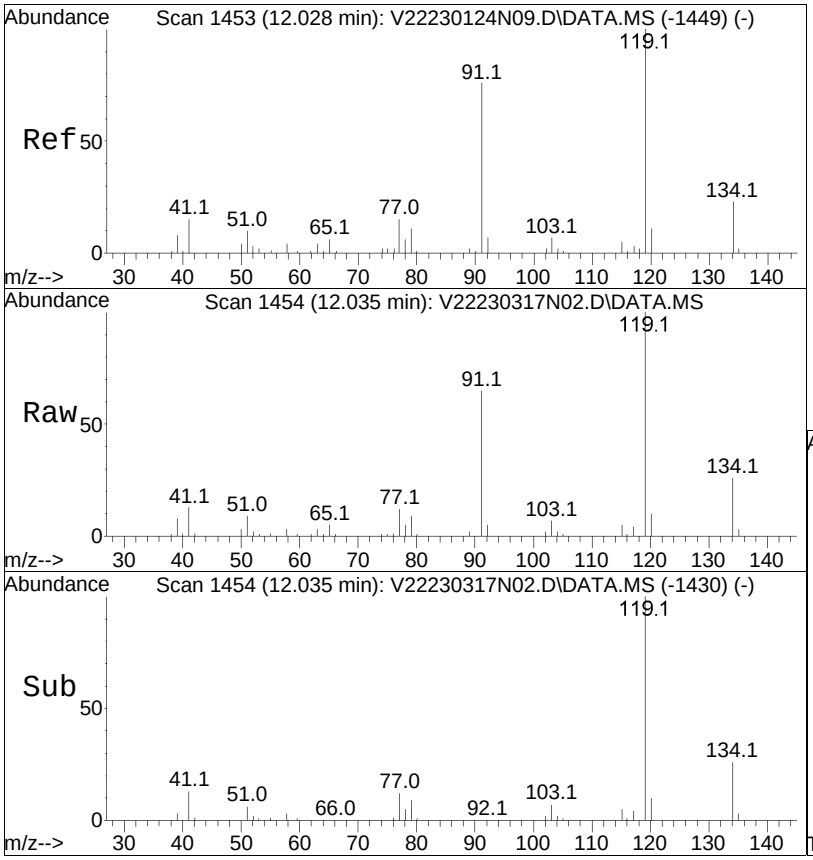


#97
4-Chlorotoluene
Concen: 10.08 ug/L
RT: 11.825 min Scan# 1429
Delta R.T. -0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 91 Resp: 169993

Ion	Ratio	Lower	Upper
91	100		
126	35.1	28.5	42.7

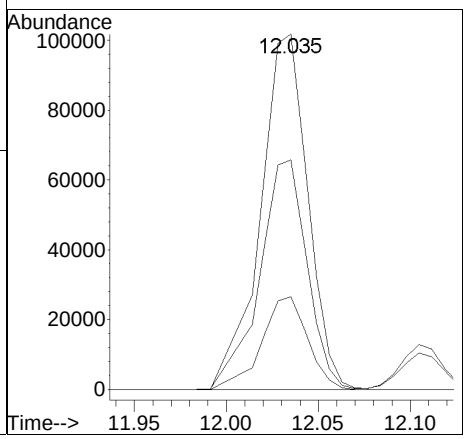


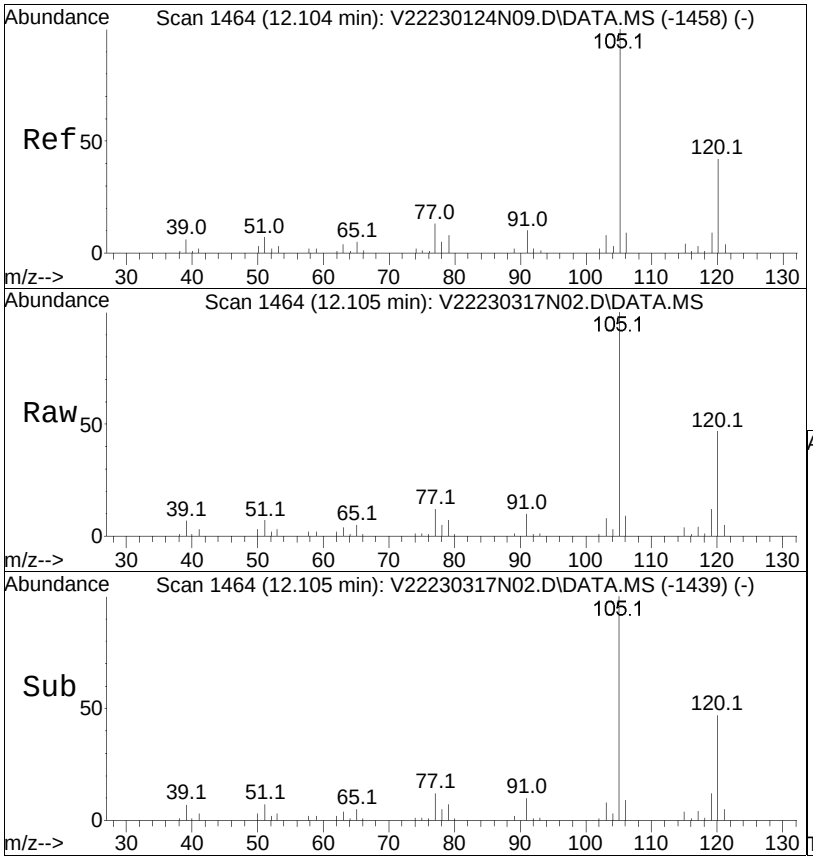


#98
tert-Butylbenzene
Concen: 10.29 ug/L
RT: 12.035 min Scan# 1454
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:119 Resp: 206525

Ion	Ratio	Lower	Upper
119	100		
91	64.9	50.2	75.4
134	25.5	20.8	31.2

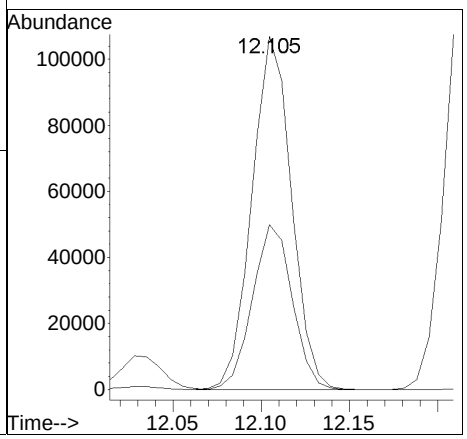


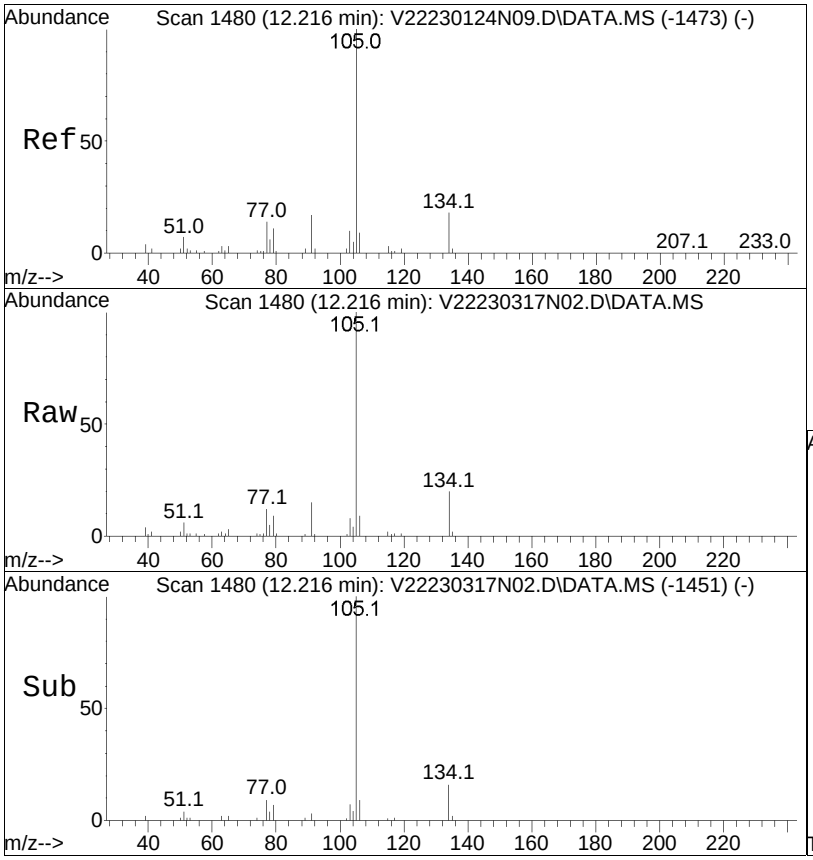


#101
1,2,4-Trimethylbenzene
Concen: 9.36 ug/L
RT: 12.105 min Scan# 1464
Delta R.T. 0.001 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:105 Resp: 166391

Ion	Ratio	Lower	Upper
105	100		
120	47.0	38.5	57.7

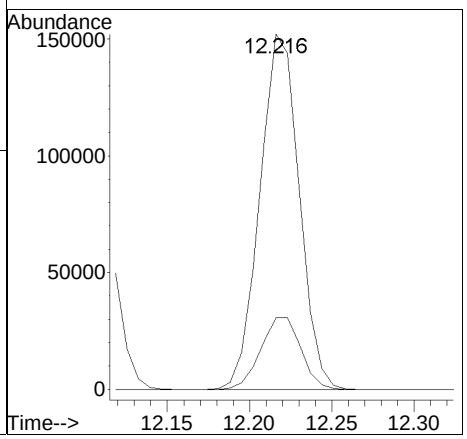


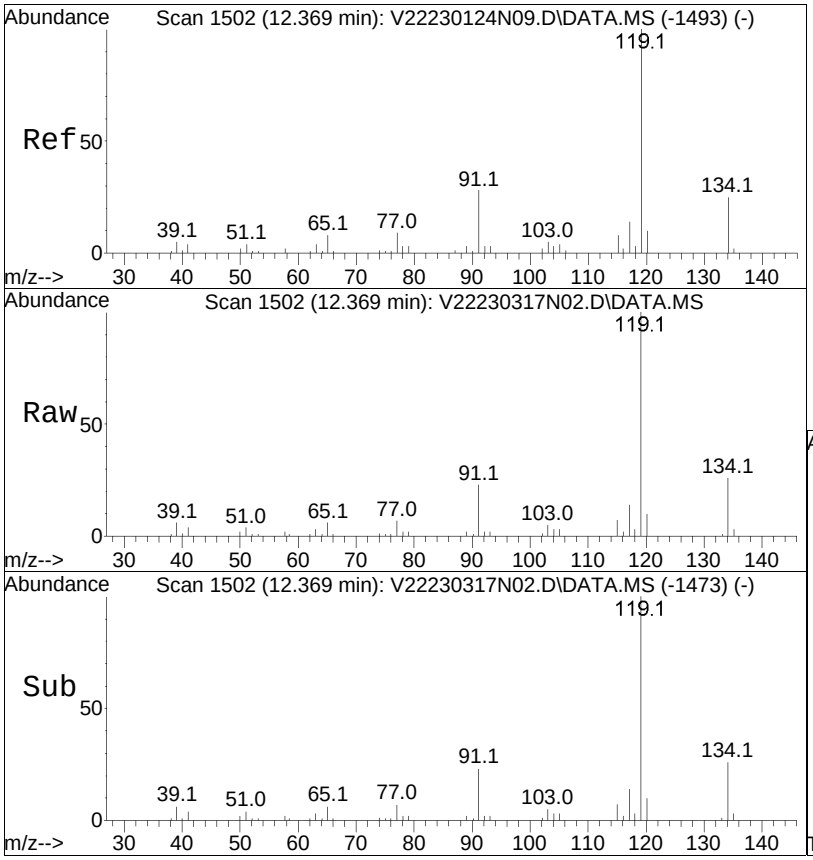


#102
sec-Butylbenzene
Concen: 10.43 ug/L
RT: 12.216 min Scan# 1480
Delta R.T. -0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:105 Resp: 252877

Ion	Ratio	Lower	Upper
105	100		
134	20.6	13.9	28.9

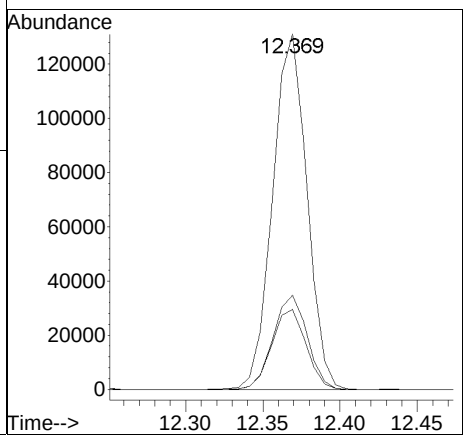


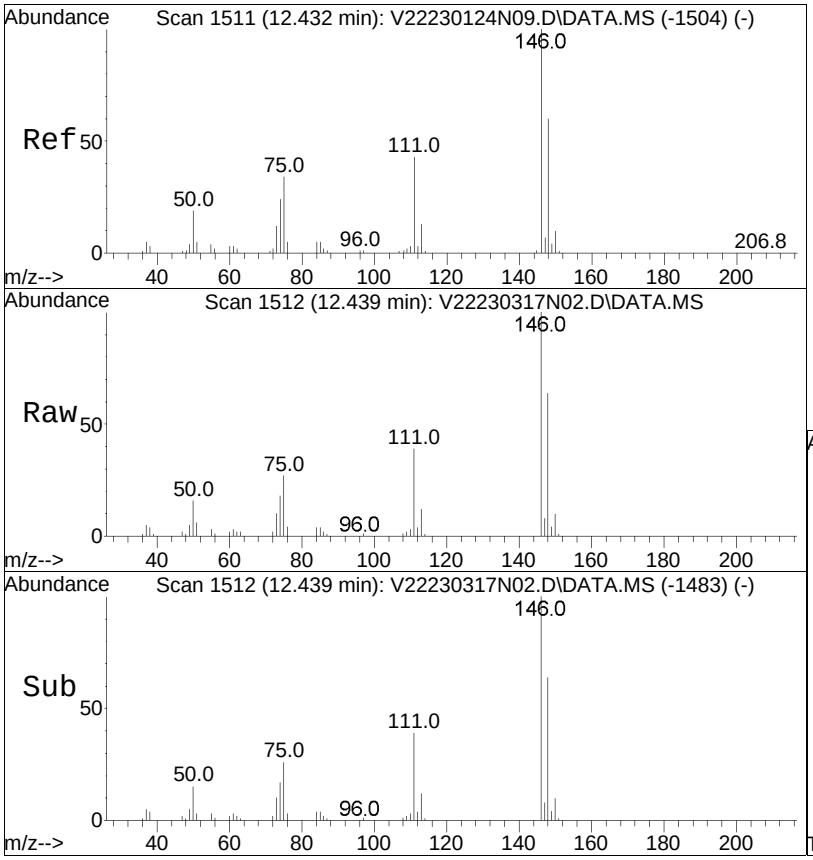


#103
p-Isopropyltoluene
Concen: 10.01 ug/L
RT: 12.369 min Scan# 1502
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:119 Resp: 202076

Ion	Ratio	Lower	Upper
119	100		
134	26.4	17.7	36.7
91	22.6	14.1	29.3

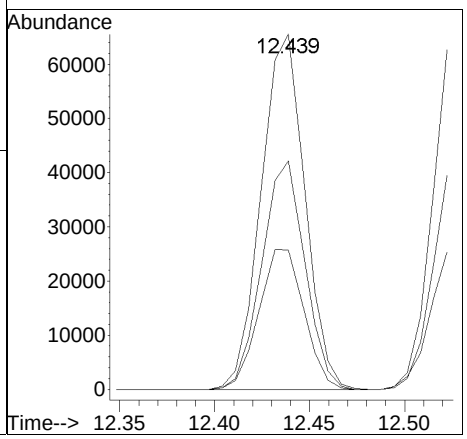


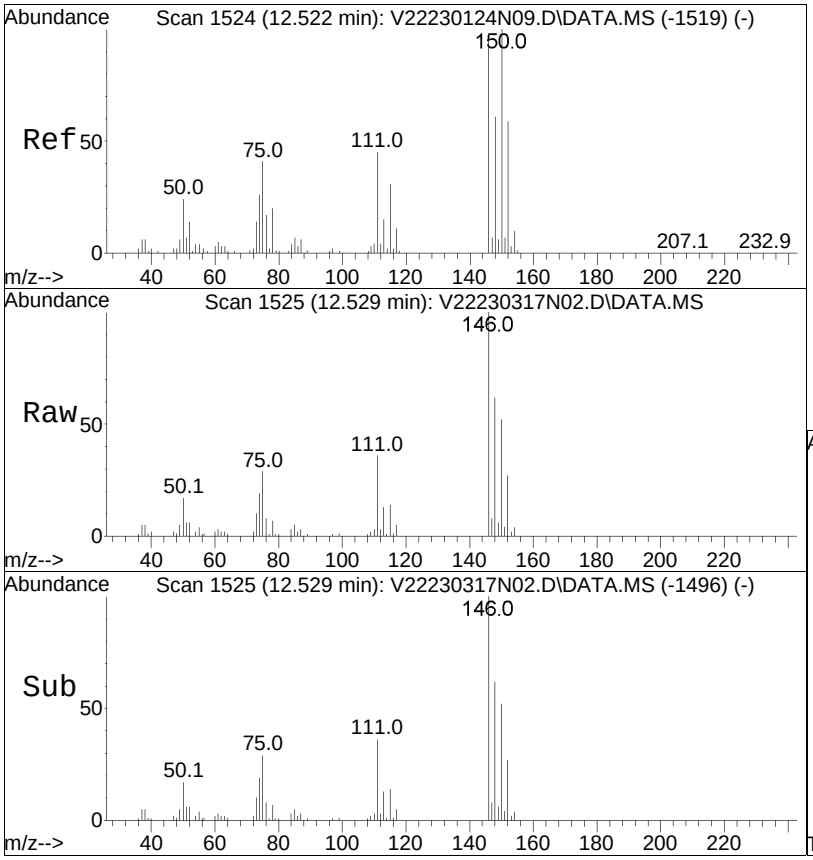


#104
1,3-Dichlorobenzene
Concen: 9.89 ug/L
RT: 12.439 min Scan# 1512
Delta R.T. -0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:146 Resp: 104832

Ion	Ratio	Lower	Upper
146	100		
111	40.8	24.0	49.8
148	63.4	41.8	86.8

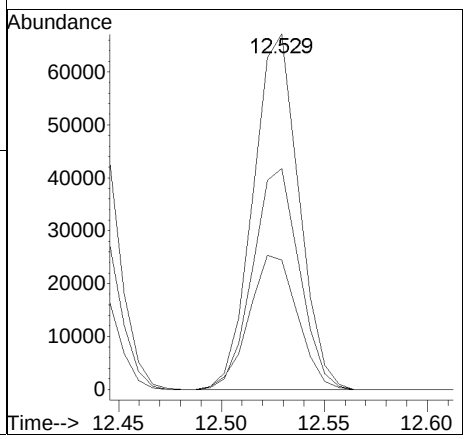


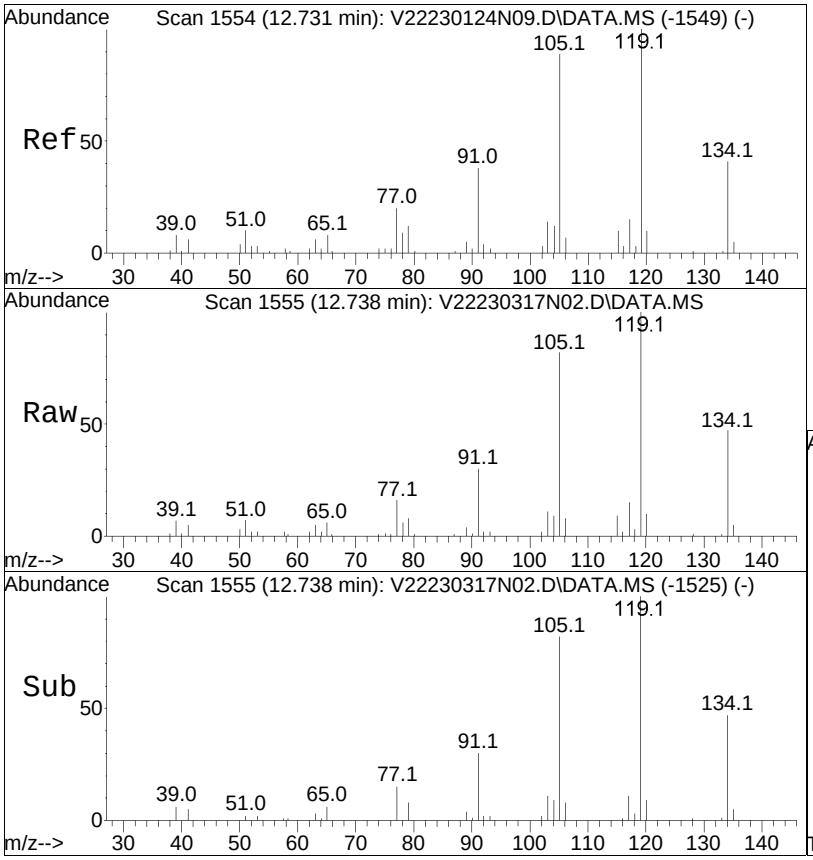


#105
1,4-Dichlorobenzene
Concen: 9.88 ug/L
RT: 12.529 min Scan# 1525
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:146 Resp: 104008

Ion	Ratio	Lower	Upper
146	100		
111	40.0	28.9	43.3
148	63.1	51.4	77.2

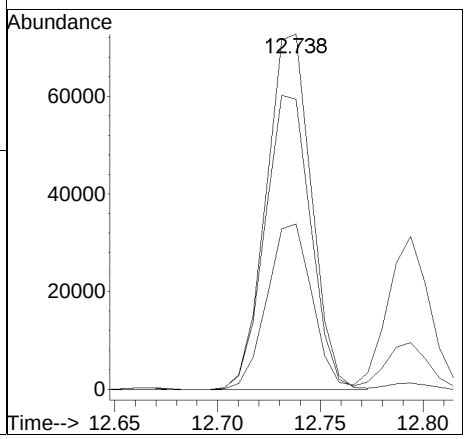


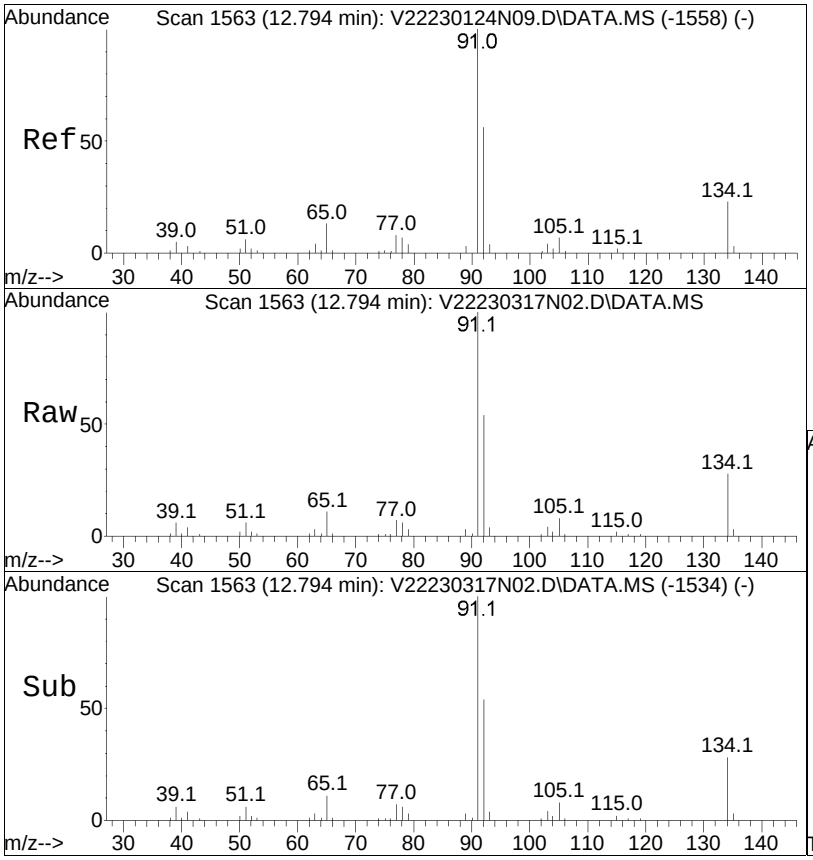


#106
p-Diethylbenzene
Concen: 9.54 ug/L
RT: 12.738 min Scan# 1555
Delta R.T. 0.007 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:119 Resp: 111012

Ion	Ratio	Lower	Upper
119	100		
105	84.0	53.4	110.8
134	46.7	30.9	64.1

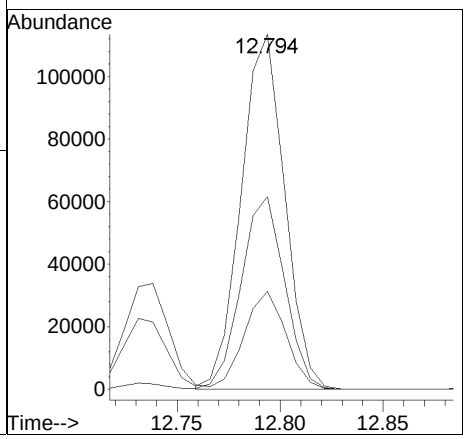


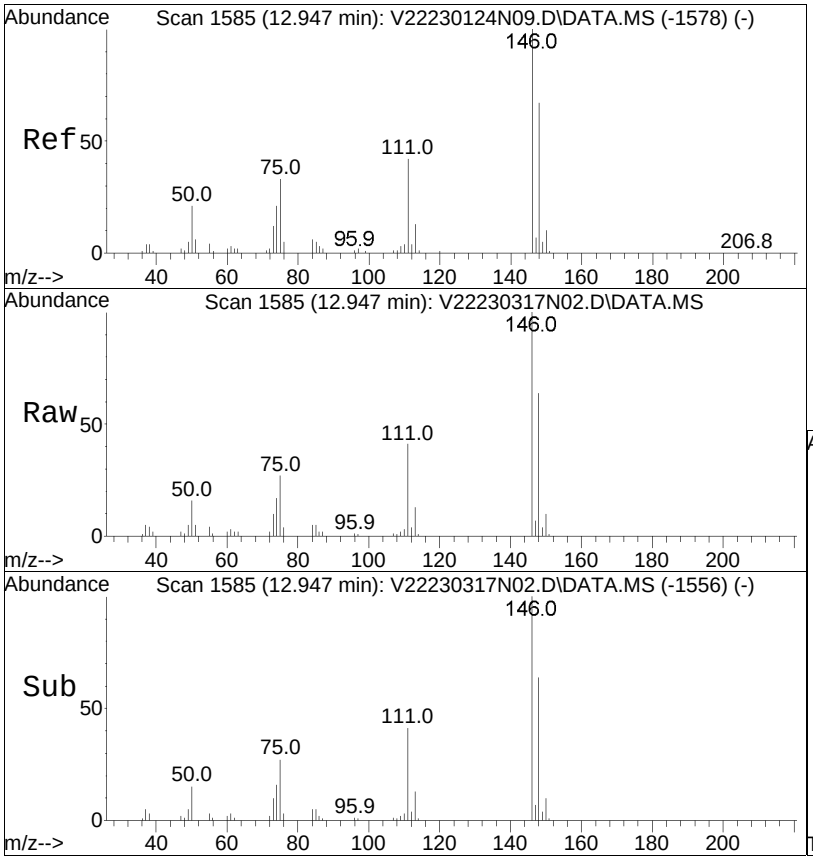


#107
n-Butylbenzene
Concen: 9.87 ug/L
RT: 12.794 min Scan# 1563
Delta R.T. -0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion: 91 Resp: 167300

Ion	Ratio	Lower	Upper
91	100		
92	54.3	44.6	66.8
134	26.5	22.9	34.3

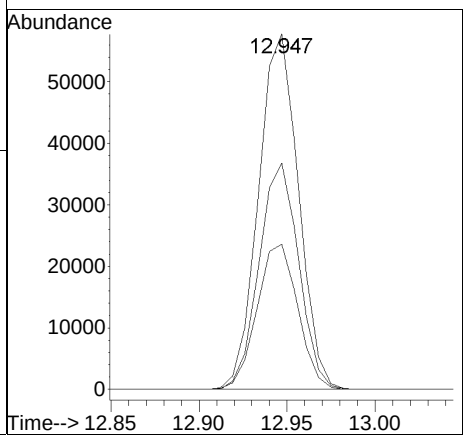


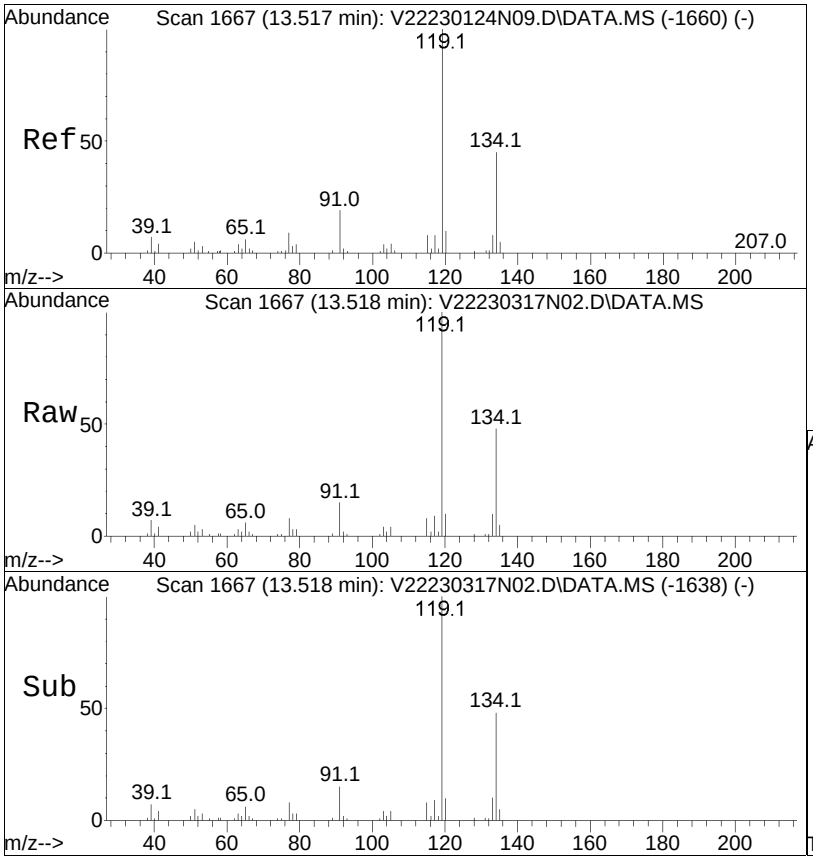


#108
1,2-Dichlorobenzene
Concen: 9.79 ug/L
RT: 12.947 min Scan# 1585
Delta R.T. -0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:146 Resp: 91148

Ion	Ratio	Lower	Upper
146	100		
111	41.7	24.8	51.6
148	63.1	42.2	87.6

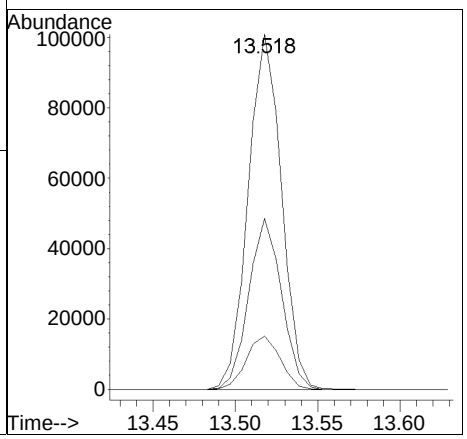


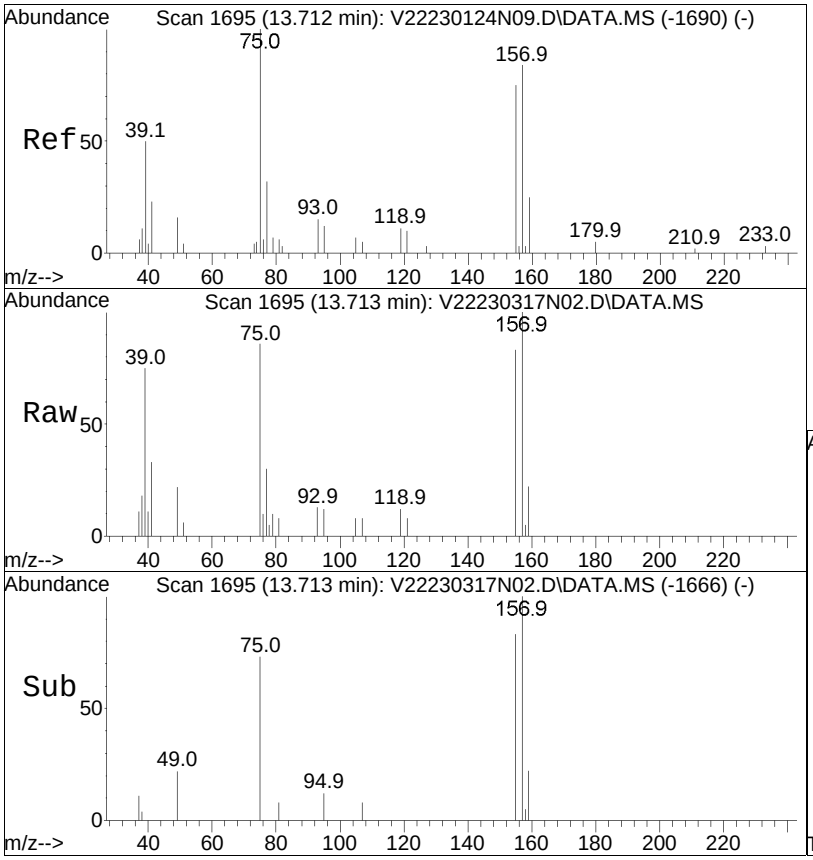


#109
1,2,4,5-Tetramethylbenzene
Concen: 9.45 ug/L
RT: 13.518 min Scan# 1667
Delta R.T. 0.001 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:119 Resp: 141881

Ion	Ratio	Lower	Upper
119	100		
134	47.6	31.9	66.1
91	15.4	9.8	20.3

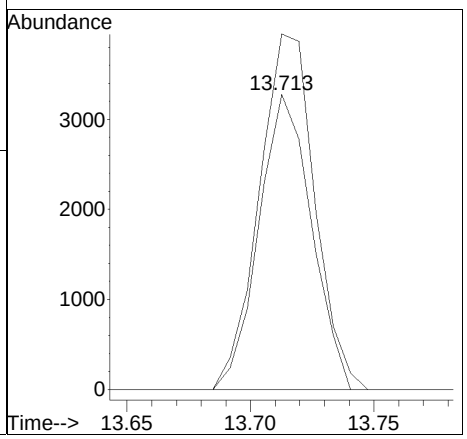


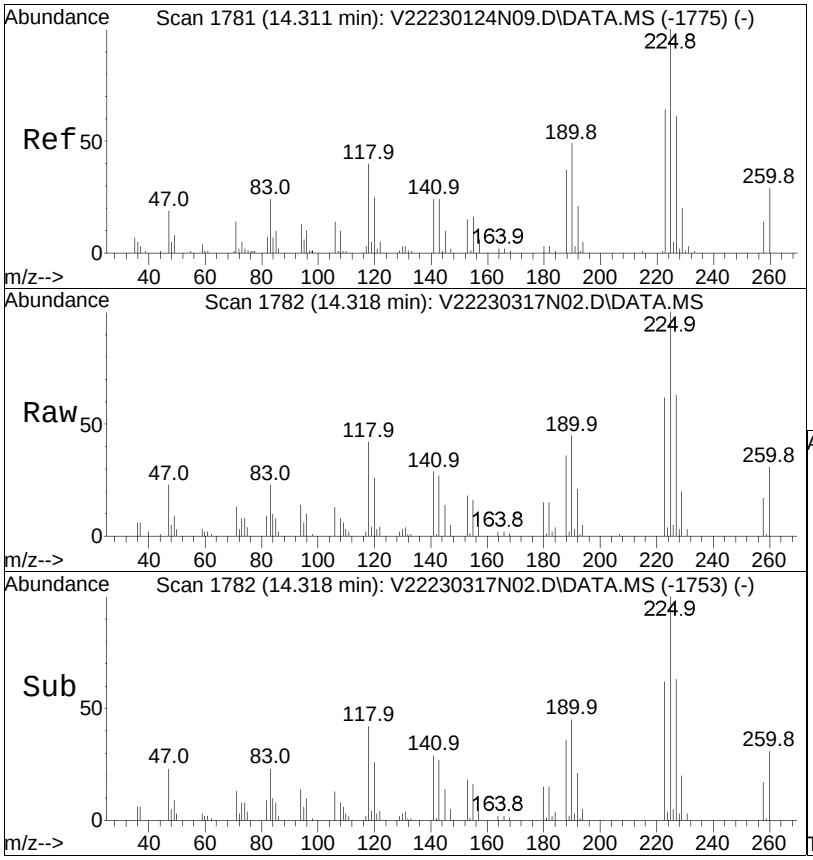


#110
1,2-Dibromo-3-chloropropane
Concen: 8.54 ug/L
RT: 13.713 min Scan# 1695
Delta R.T. 0.001 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:155 Resp: 4855

Ion	Ratio	Lower	Upper
155	100		
157	127.5	102.3	153.5

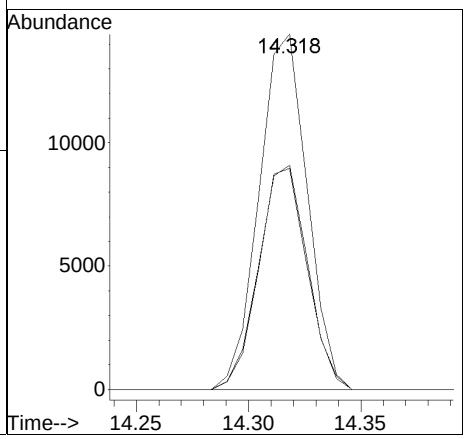


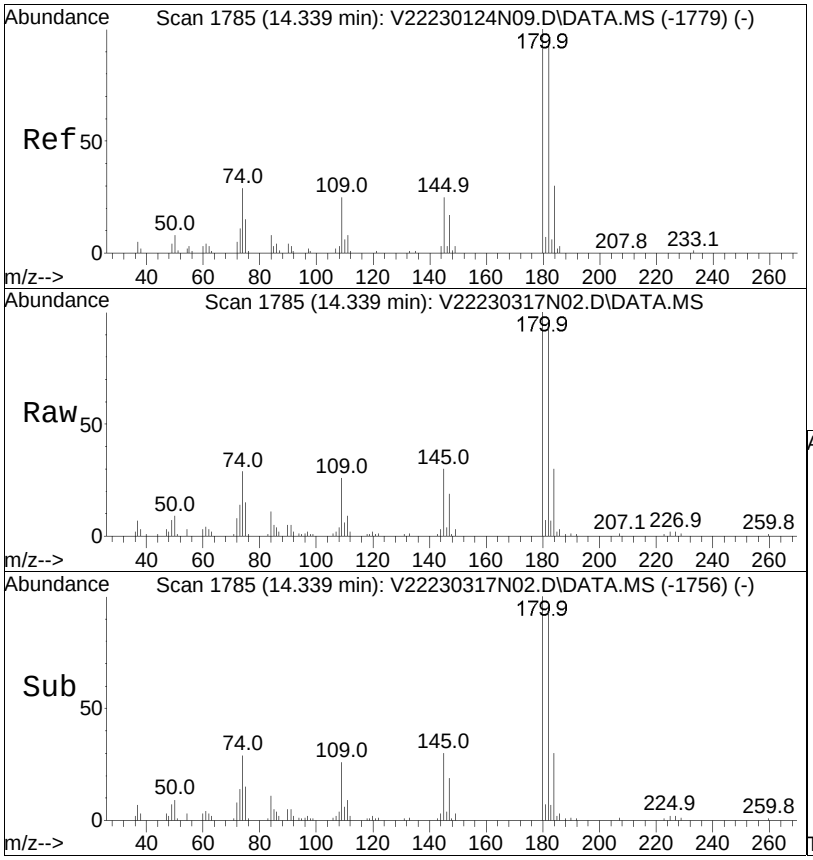


#112
Hexachlorobutadiene
Concen: 10.27 ug/L
RT: 14.318 min Scan# 1782
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:225 Resp: 21505

Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.8	74.8
227	64.0	52.2	78.4

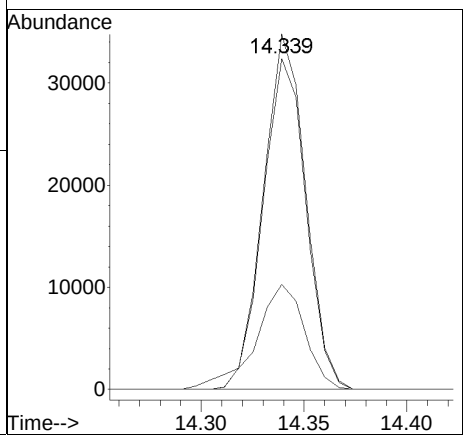


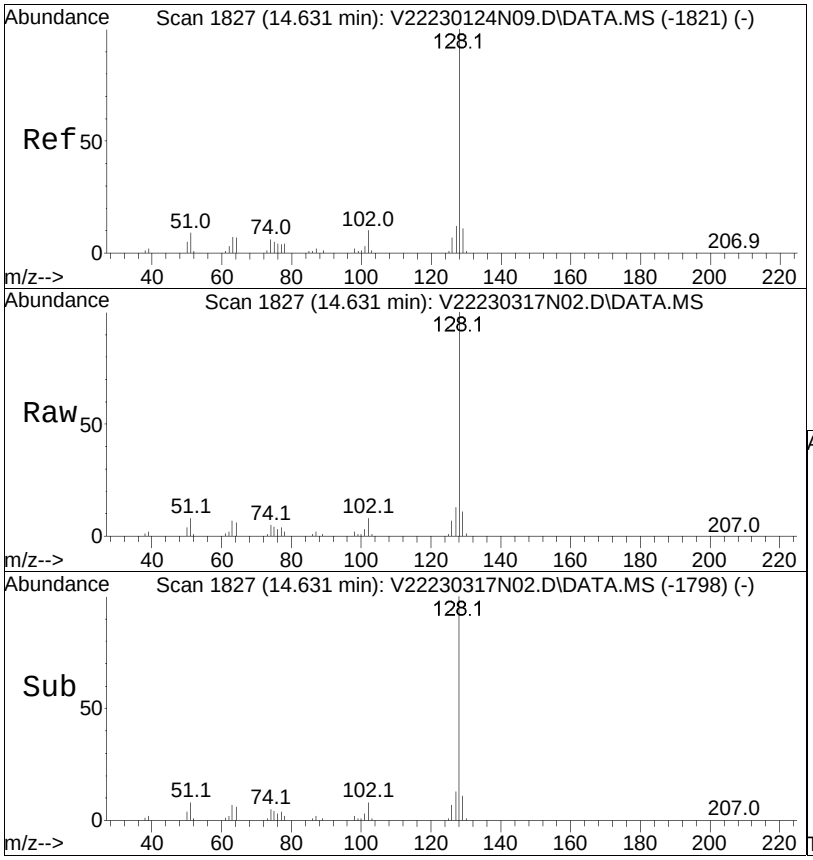


#113
1,2,4-Trichlorobenzene
Concen: 9.74 ug/L
RT: 14.339 min Scan# 1785
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:180 Resp: 49848

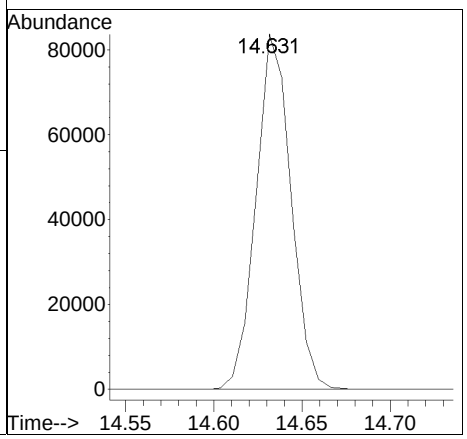
Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.6	114.8
145	34.2	25.5	38.3

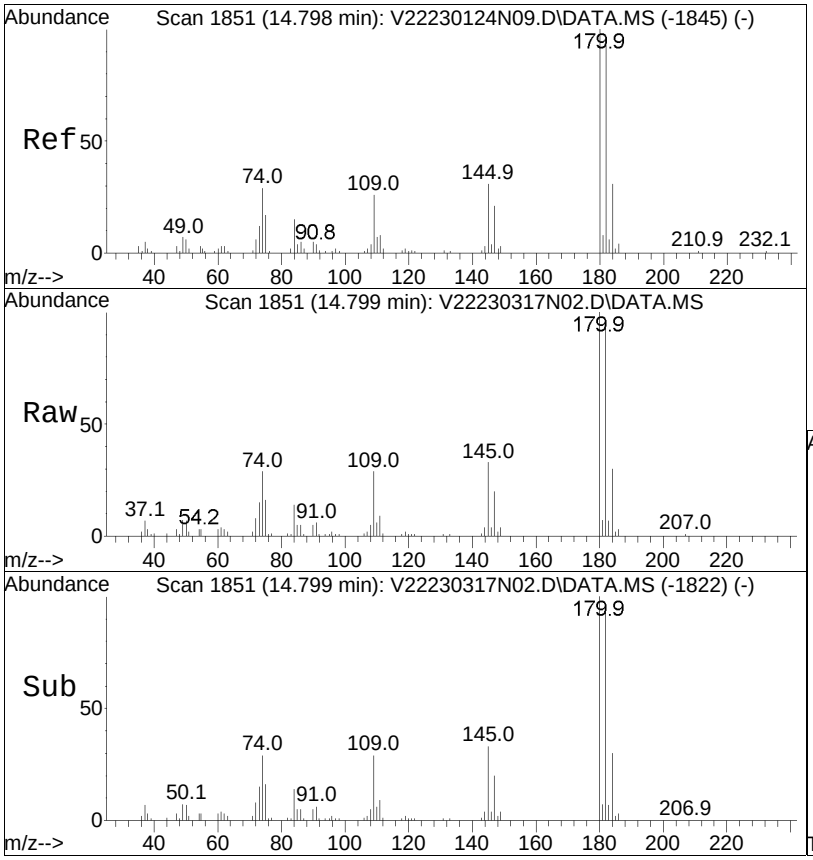




#114
Naphthalene
Concen: 9.78 ug/L
RT: 14.631 min Scan# 1827
Delta R.T. 0.000 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:128 Resp: 115568

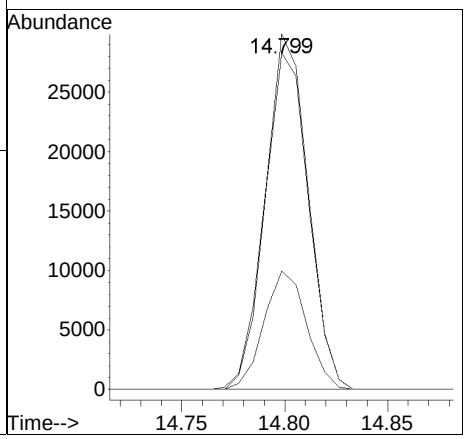




#115
1,2,3-Trichlorobenzene
Concen: 9.76 ug/L
RT: 14.799 min Scan# 1851
Delta R.T. 0.001 min
Lab File: V22230317N02.D
Acq: 17 Mar 2023 07:19 pm

Tgt Ion:180 Resp: 43446

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.0	114.0
145	33.0	23.8	35.8

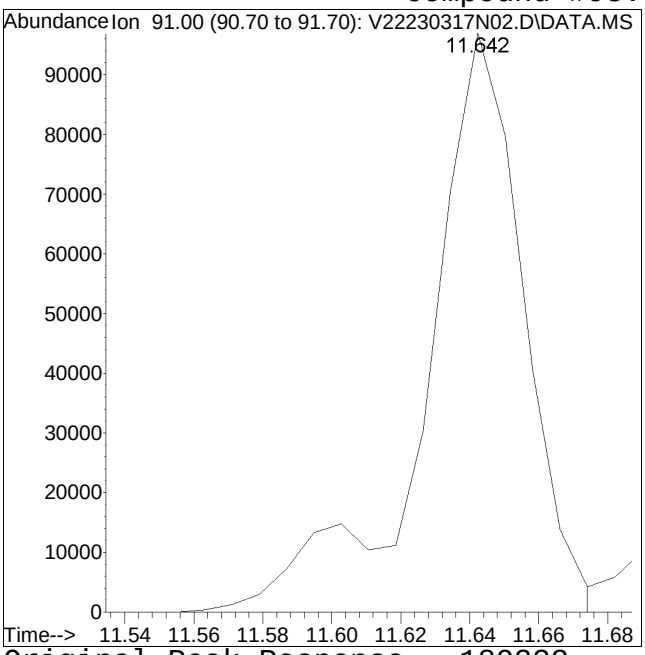


Manual Integration Report

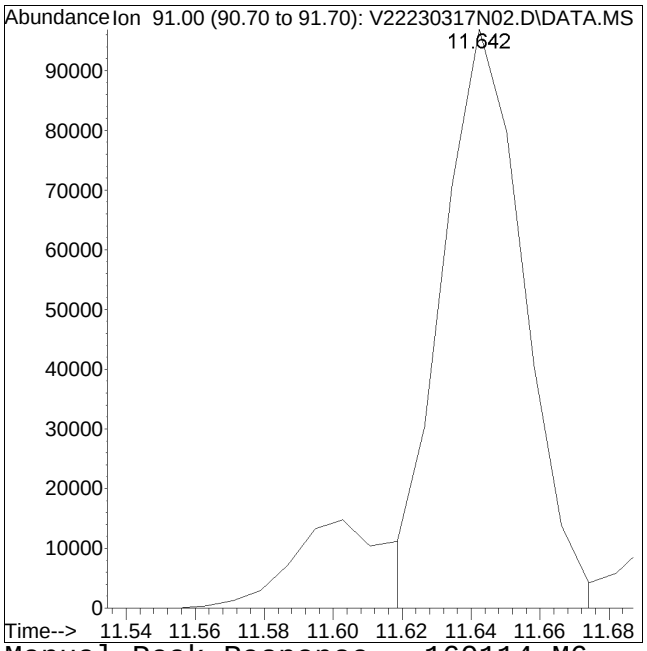
Data Path : I:\VOLATILES\VOA122\2023\2Q
Data File : V22230317N02.D
Date Inj'd : 3/17/2023 7:19 pm
Sample : WG1756621-4,31,10,10

Method : V122_230313A_8260.m
Operator : VOA122:PID
Instrument : VOA122
Quant Date : 3/17/2023 7:42 pm

Compound #93: 2-Chlorotoluene



Original Peak Response = 189332



Manual Peak Response = 160114 M6

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N03.D
Acq On : 17 Mar 2023 4:07 pm
Operator : VOA104:TMS
Sample : WG1756211-4,31,5,5
Misc : WG1756211,ICAL19666
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 17 16:38:00 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.539	96	158330	20.000	ug/L	0.00
Standard Area 1 = 175009			Recovery = 90.47%			
59) Chlorobenzene-d5	9.016	117	133648	20.000	ug/L	0.00
Standard Area 1 = 143112			Recovery = 93.39%			
79) 1,4-Dichlorobenzene-d4	11.815	152	80443	20.000	ug/L	0.00
Standard Area 1 = 87180			Recovery = 92.27%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.763	113	47327	17.309	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 86.55%			
43) 1,2-Dichloroethane-d4	5.267	65	40354	18.512	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.56%			
60) Toluene-d8	7.191	98	167854	20.867	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 104.33%			
83) 4-Bromofluorobenzene	10.562	95	66766	19.218	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.09%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.471	85	143060	40.214	ug/L	99
3) Chloromethane	1.639	50	179521	27.354	ug/L	99
4) Vinyl chloride	1.701	62	155040	33.872	ug/L	100
5) Bromomethane	1.974	94	104049	45.758	ug/L	97
6) Chloroethane	2.079	64	93322	49.164	ug/L	97
7) Trichlorofluoromethane	2.194	101	229375	47.040	ug/L	100
8) Ethyl ether	2.456	74	38540	36.515	ug/L	99
10) 1,1-Dichloroethene	2.635	96	120395	38.921	ug/L	98
11) Carbon disulfide	2.666	76	424368	64.706	ug/L	99
15) Methylene chloride	3.154	84	129272	37.334	ug/L	97
17) Acetone	3.196	43	20194	30.547	ug/L	99
18) trans-1,2-Dichloroethene	3.290	96	125767	39.282	ug/L	98
20) Methyl tert-butyl ether	3.369	73	187423	38.649	ug/L	97
23) 1,1-Dichloroethane	3.835	63	245363	35.038	ug/L	99
25) Acrylonitrile	3.898	53	21054	29.929	ug/L #	89
27) Vinyl acetate	4.066	43	150030	31.404	ug/L	100
28) cis-1,2-Dichloroethene	4.333	96	135486	38.727	ug/L	94
29) 2,2-Dichloropropane	4.423	77	198487	41.823	ug/L	98
30) Bromochloromethane	4.522	128	61185	39.179	ug/L	99
32) Chloroform	4.590	83	214003	37.827	ug/L	99

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N03.D
Acq On : 17 Mar 2023 4:07 pm
Operator : VOA104:TMS
Sample : WG1756211-4,31,5,5
Misc : WG1756211,ICAL19666
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 17 16:38:00 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	4.706	117	180248	45.319	ug/L		100
37) 1,1,1-Trichloroethane	4.769	97	195448	43.938	ug/L		99
39) 2-Butanone	4.879	43	21956	28.362	ug/L	#	60
40) 1,1-Dichloropropene	4.889	75	156065	42.499	ug/L		99
41) Benzene	5.125	78	416419	39.499	ug/L		99
44) 1,2-Dichloroethane	5.335	62	143162	38.090	ug/L		100
48) Trichloroethene	5.707	95	125763	44.793	ug/L		98
50) Dibromomethane	6.148	93	63292	38.637	ug/L		99
51) 1,2-Dichloropropane	6.237	63	114340	34.810	ug/L		99
54) Bromodichloromethane	6.321	83	154457	39.376	ug/L		100
57) 1,4-Dioxane	6.525	88	41291	1889.998	ug/L		97
58) cis-1,3-Dichloropropene	6.997	75	168495	41.834	ug/L		97
61) Toluene	7.249	92	275752	43.509	ug/L		100
62) 4-Methyl-2-pentanone	7.694	58	23827	33.086	ug/L		95
63) Tetrachloroethene	7.684	166	141483	46.600	ug/L		99
65) trans-1,3-Dichloropropene	7.741	75	144665	40.348	ug/L		100
68) 1,1,2-Trichloroethane	7.925	83	65915	38.780	ug/L		99
69) Chlorodibromomethane	8.124	129	110382	44.725	ug/L		100
70) 1,3-Dichloropropane	8.234	76	130669	40.823	ug/L		100
71) 1,2-Dibromoethane	8.392	107	83081	40.791	ug/L		100
72) 2-Hexanone	8.701	43	47632	32.796	ug/L		99
73) Chlorobenzene	9.031	112	334294	44.577	ug/L		98
74) Ethylbenzene	9.073	91	572634	45.264	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.120	131	113776	46.890	ug/L		99
76) p/m Xylene	9.257	106	450326	93.818	ug/L		97
77) o Xylene	9.802	106	435525	94.517	ug/L		97
78) Styrene	9.875	104	710385	97.170	ug/L		97
80) Bromoform	9.907	173	70409	42.518	ug/L		99
82) Isopropylbenzene	10.211	105	595172	46.693	ug/L		99
84) Bromobenzene	10.672	156	155233	45.490	ug/L		99
85) n-Propylbenzene	10.720	91	720726	46.013	ug/L		100
87) 1,1,2,2-Tetrachloroethane	10.835	83	101770	39.847	ug/L		98
88) 4-Ethyltoluene	10.856	105	604779	47.030	ug/L		99
89) 2-Chlorotoluene	10.893	91	429321M6	46.328	ug/L		
90) 1,3,5-Trimethylbenzene	10.961	105	504848	46.278	ug/L		99
91) 1,2,3-Trichloropropane	10.966	75	75897	40.599	ug/L		97
92) trans-1,4-Dichloro-2-b...	11.029	53	30607	39.024	ug/L		92
93) 4-Chlorotoluene	11.087	91	433530	45.695	ug/L		98
94) tert-Butylbenzene	11.307	119	449702	47.214	ug/L		99

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N03.D
Acq On : 17 Mar 2023 4:07 pm
Operator : VOA104:TMS
Sample : WG1756211-4,31,5,5
Misc : WG1756211,ICAL19666
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 17 16:38:00 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA104\2023\230317N\V04230317N01.D
Sub List : 8260-CurveSoil - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	11.396	105	494918	45.889	ug/L	99
98)	sec-Butylbenzene	11.506	105	680115	47.094	ug/L	99
99)	p-Isopropyltoluene	11.669	119	598364	48.420	ug/L	99
100)	1,3-Dichlorobenzene	11.731	146	311029	47.082	ug/L	100
101)	1,4-Dichlorobenzene	11.831	146	312730	45.745	ug/L	99
102)	p-Diethylbenzene	12.051	119	363514	48.180	ug/L	99
103)	n-Butylbenzene	12.109	91	534008	48.207	ug/L	99
104)	1,2-Dichlorobenzene	12.261	146	283628	45.997	ug/L	99
105)	1,2,4,5-Tetramethylben...	12.864	119	566609	48.207	ug/L	100
106)	1,2-Dibromo-3-chloropr...	13.058	155	18267	41.300	ug/L	99
108)	Hexachlorobutadiene	13.666	225	141901	53.789	ug/L	99
109)	1,2,4-Trichlorobenzene	13.692	180	219646	49.401	ug/L	100
110)	Naphthalene	13.986	128	357993	42.526	ug/L	100
111)	1,2,3-Trichlorobenzene	14.154	180	187591	47.575	ug/L	100

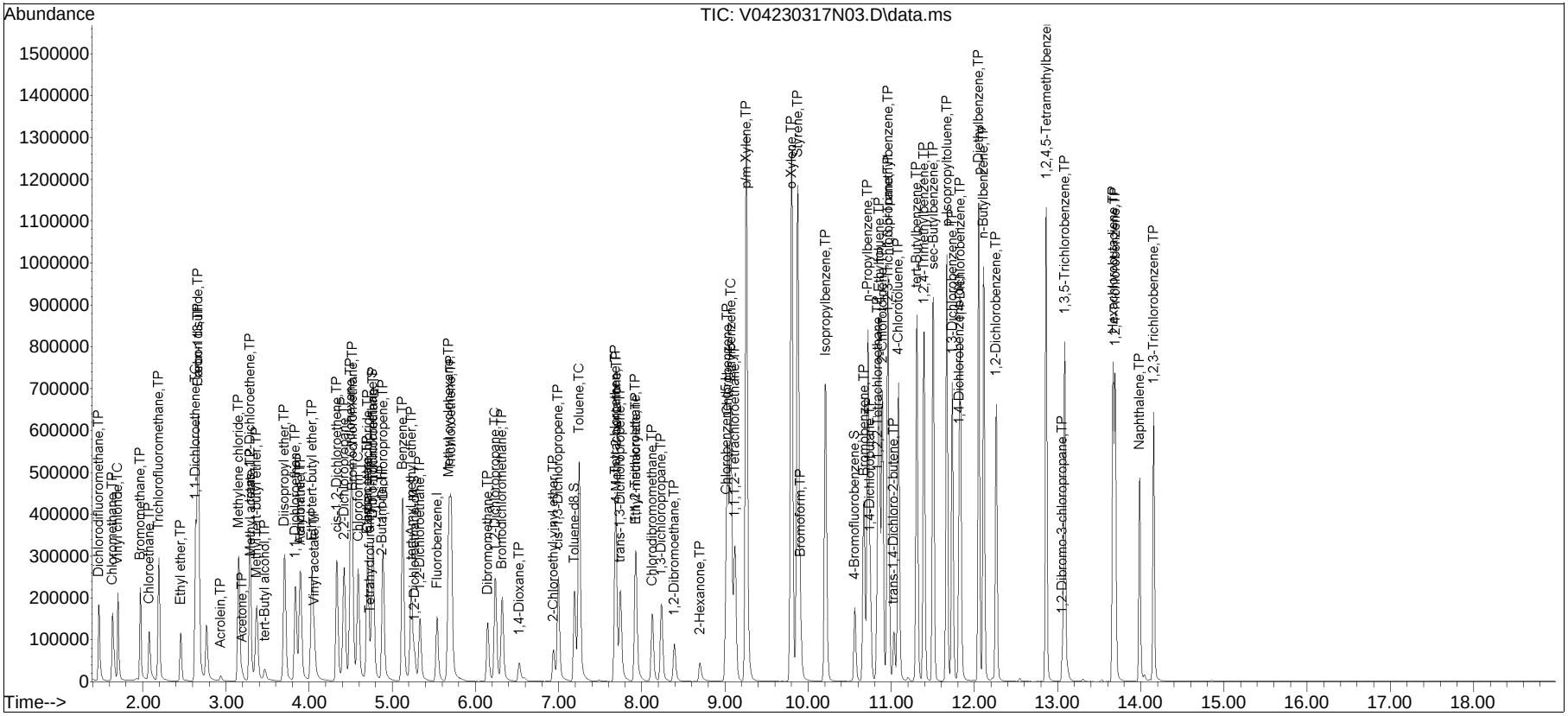
(#) = qualifier out of range (m) = manual integration (+) = signals summed

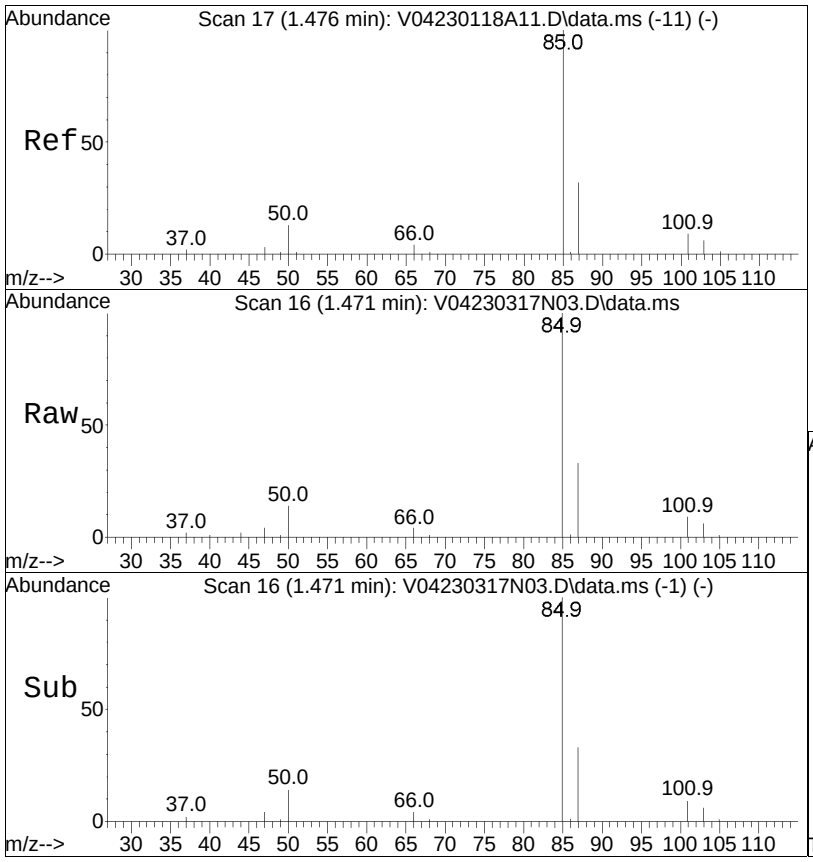
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA104\2023\230317N\
Data File : V04230317N03.D
Acq On : 17 Mar 2023 4:07 pm
Operator : VOA104:TMS
Sample : WG1756211-4,31,5,5
Misc : WG1756211,ICAL19666
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 17 16:38:00 2023
Quant Method : I:\VOLATILES\VOA104\2023\230317N\V104_230118A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jan 19 14:20:58 2023
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox7N\V04230317N01.D•

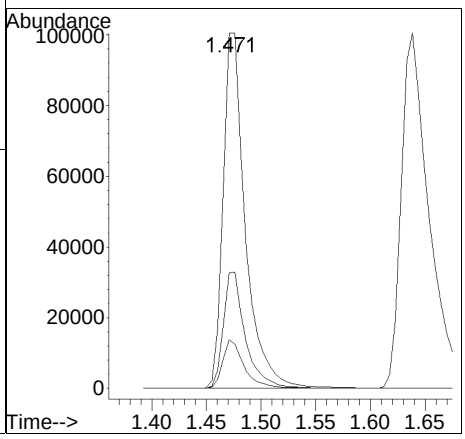


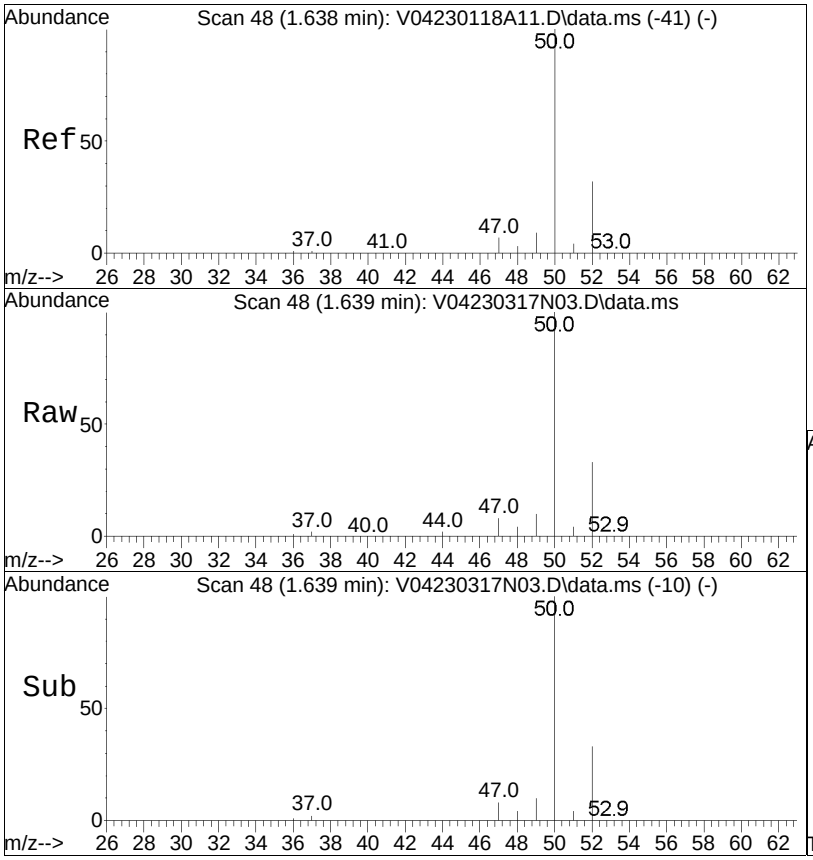


#2
Dichlorodifluoromethane
Concen: 40.21 ug/L
RT: 1.471 min Scan# 16
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 85 Resp: 143060

Ion	Ratio	Lower	Upper
85	100		
87	32.2	20.9	43.5
50	13.1	8.1	16.9

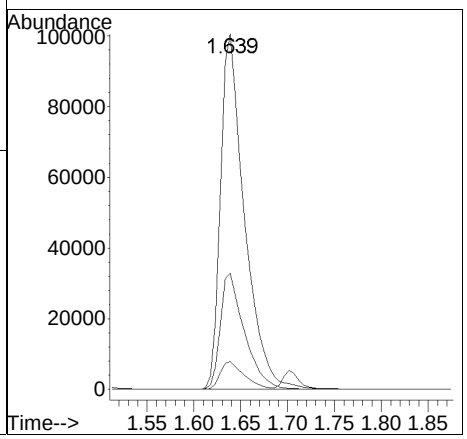


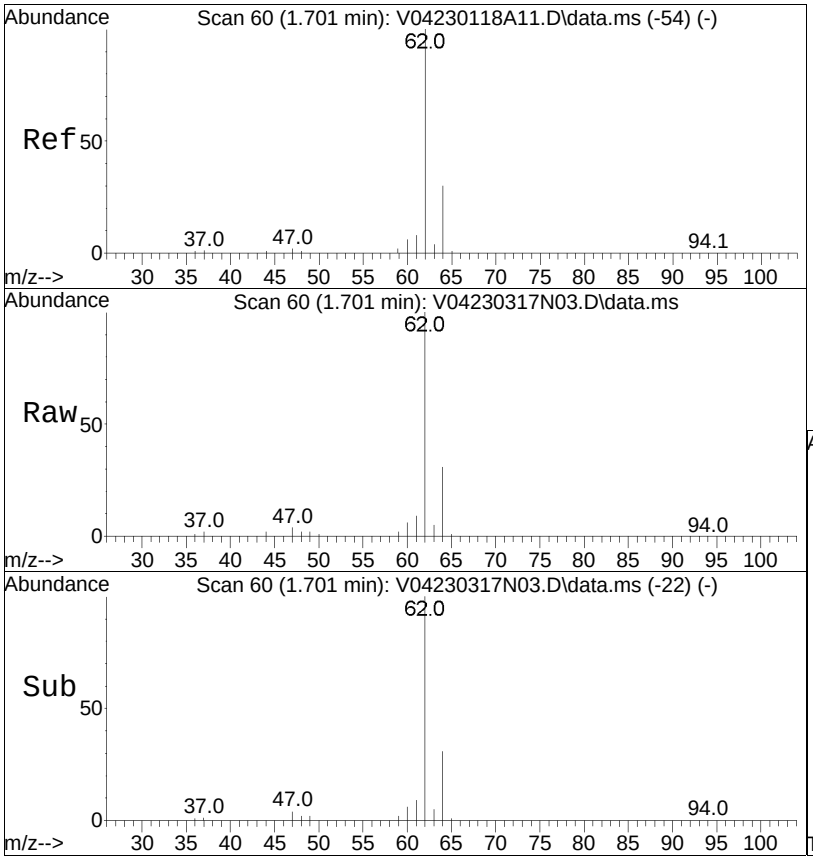


#3
Chloromethane
Concen: 27.35 ug/L
RT: 1.639 min Scan# 48
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 50 Resp: 179521

Ion	Ratio	Lower	Upper
50	100		
52	32.7	13.0	53.0
47	7.9	0.0	28.2

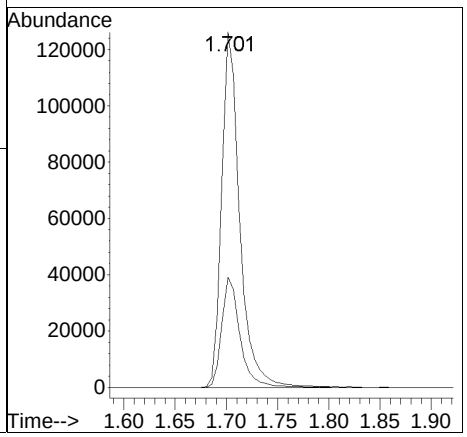


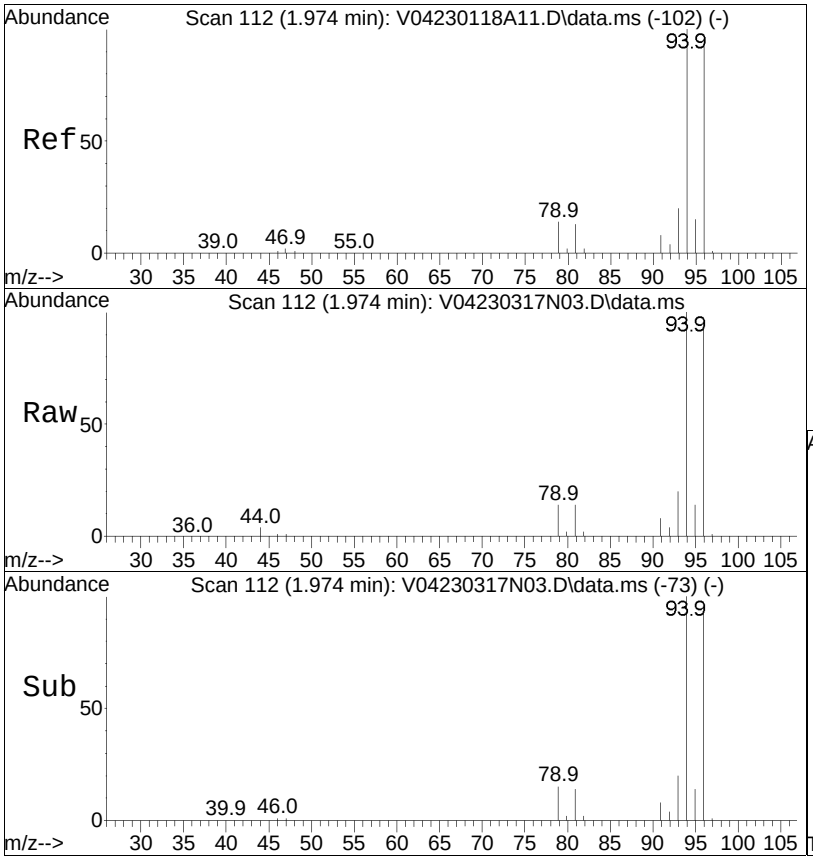


#4
Vinyl chloride
Concen: 33.87 ug/L
RT: 1.701 min Scan# 60
Delta R.T. 0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 62 Resp: 155040

Ion	Ratio	Lower	Upper
62	100		
64	31.3	11.6	51.6

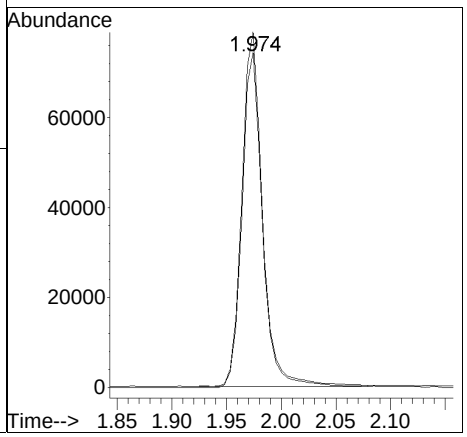


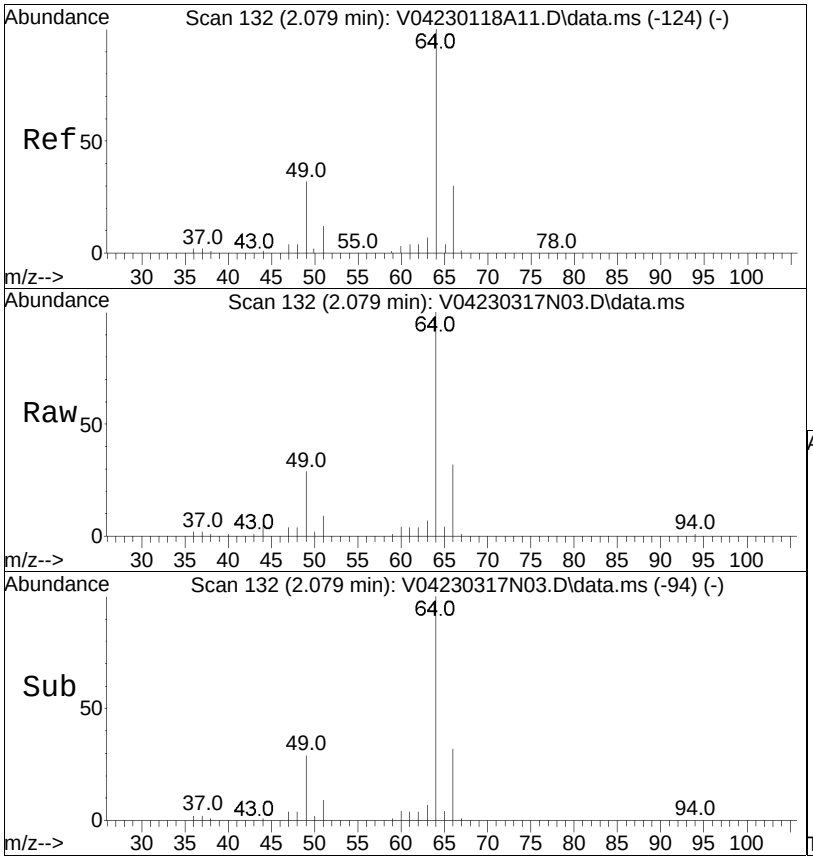


#5
Bromomethane
Concen: 45.76 ug/L
RT: 1.974 min Scan# 112
Delta R.T. 0.005 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 94 Resp: 104049

Ion	Ratio	Lower	Upper
94	100		
96	93.8	71.0	111.0

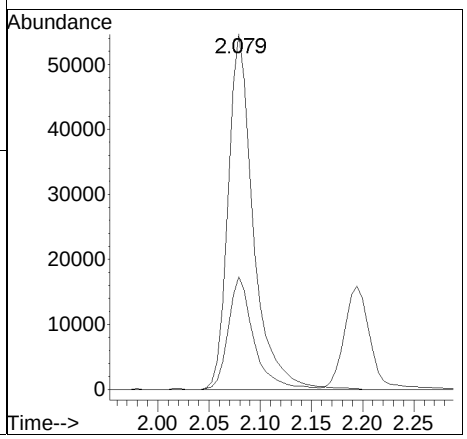


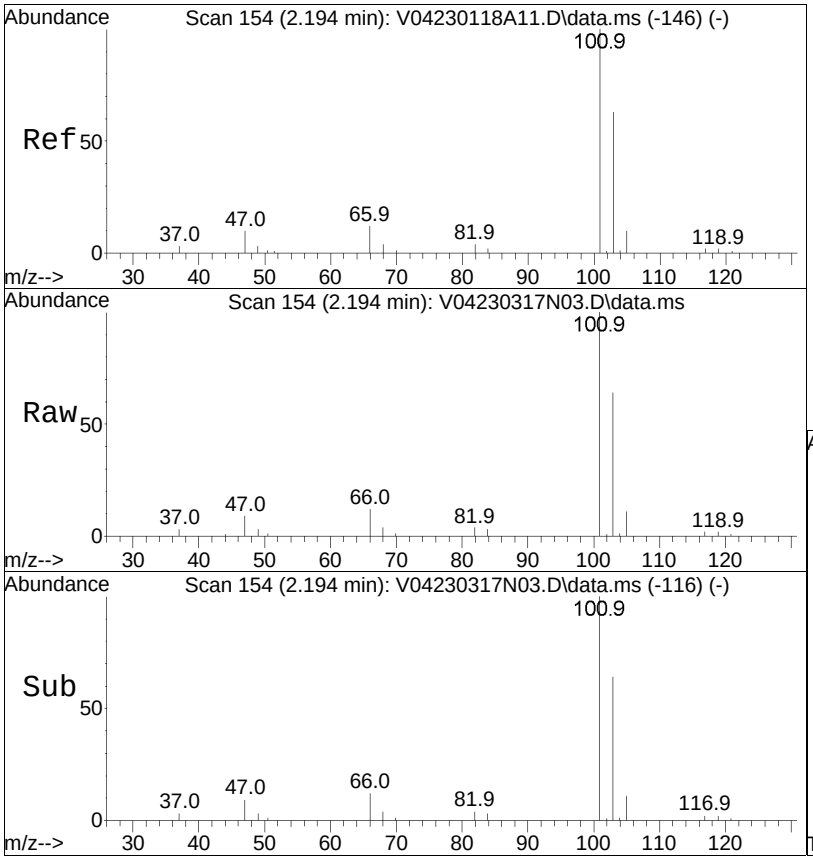


#6
Chloroethane
Concen: 49.16 ug/L
RT: 2.079 min Scan# 132
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 64 Resp: 93322

Ion	Ratio	Lower	Upper
64	100		
66	32.0	13.7	53.7

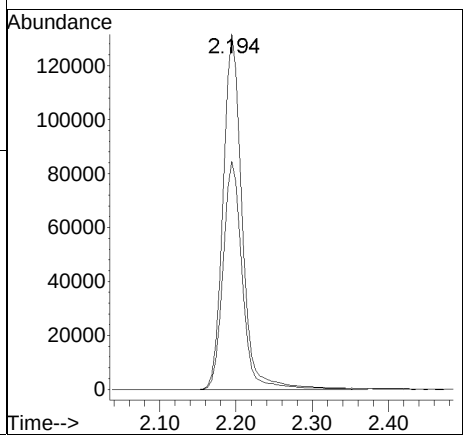


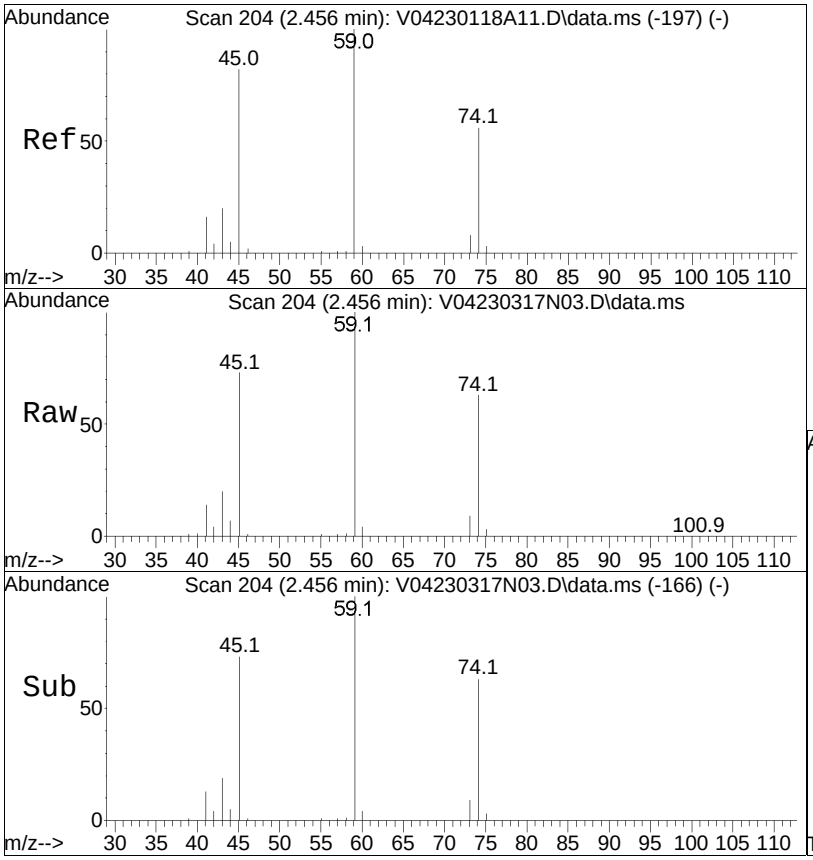


#7
Trichlorofluoromethane
Concen: 47.04 ug/L
RT: 2.194 min Scan# 154
Delta R.T. 0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:101 Resp: 229375

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.7	77.5

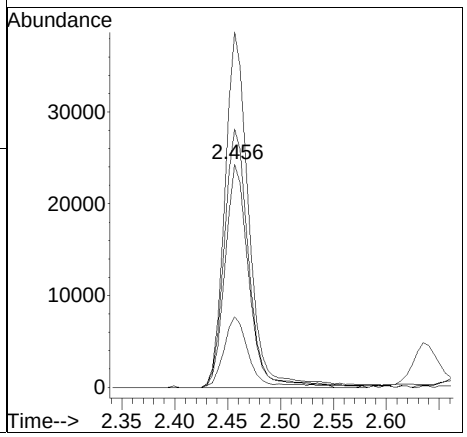


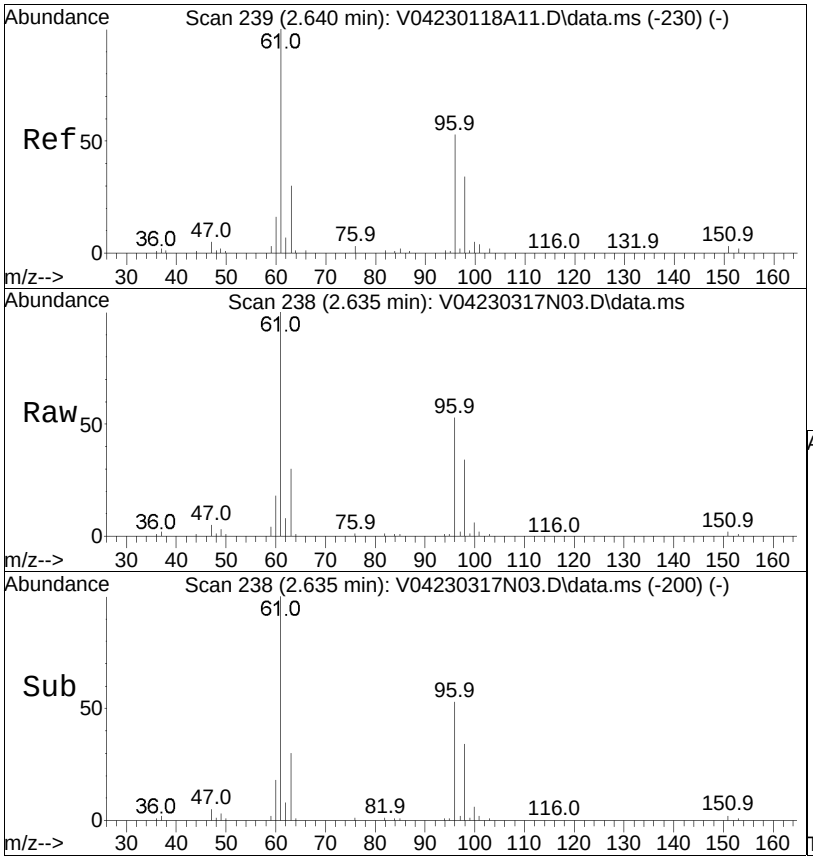


#8
Ethyl ether
Concen: 36.52 ug/L
RT: 2.456 min Scan# 204
Delta R.T. 0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 74 Resp: 38540

Ion	Ratio	Lower	Upper
74	100		
59	160.0	104.7	217.4
45	118.0	77.2	160.4
43	32.1	21.2	44.0

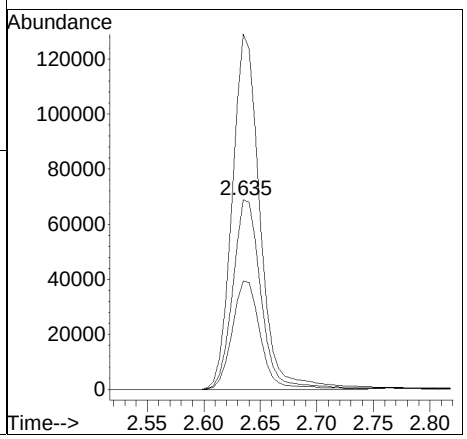


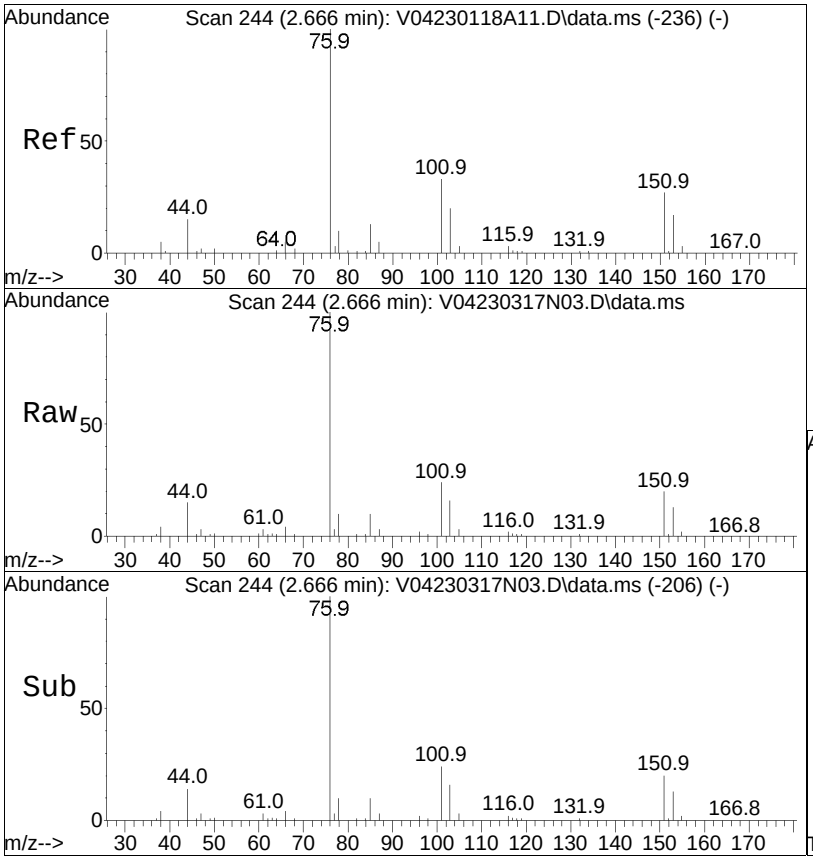


#10
1,1-Dichloroethene
Concen: 38.92 ug/L
RT: 2.635 min Scan# 238
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 96 Resp: 120395

Ion	Ratio	Lower	Upper
96	100		
61	185.5	145.8	218.6
63	57.6	46.6	69.8

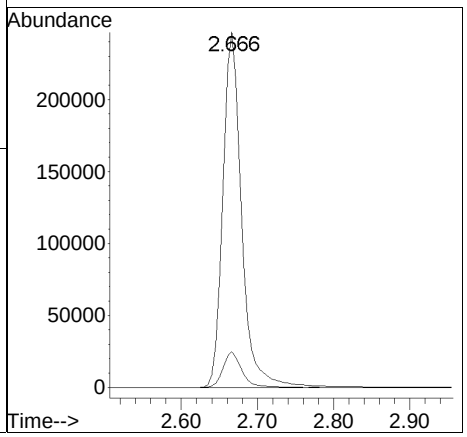


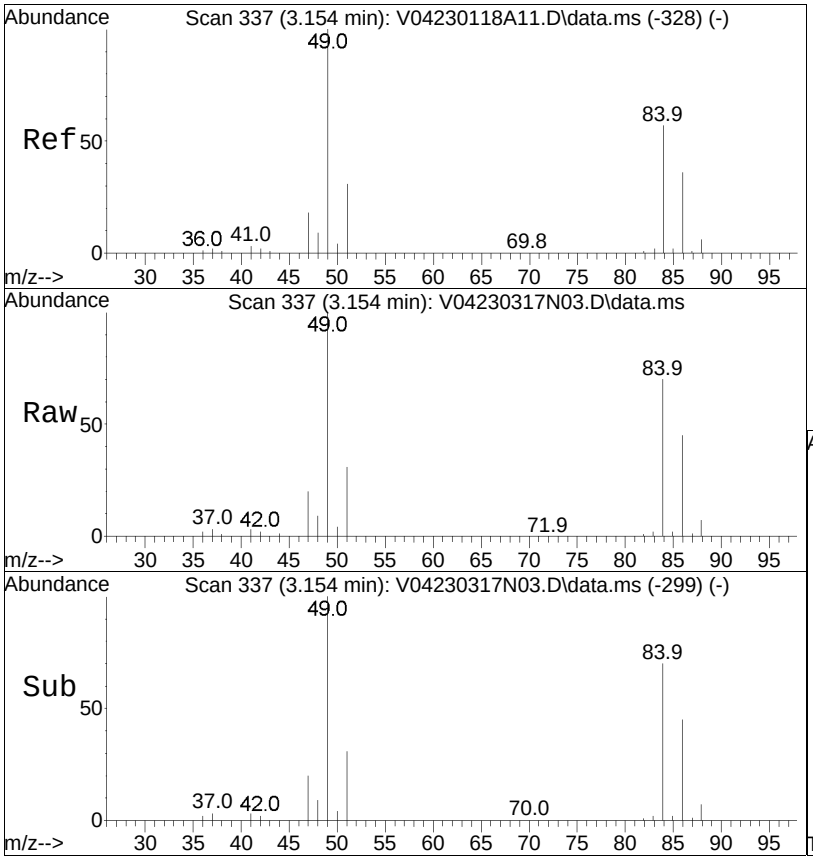


#11
Carbon disulfide
Concen: 64.71 ug/L
RT: 2.666 min Scan# 244
Delta R.T. 0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 76 Resp: 424368

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.6	13.8

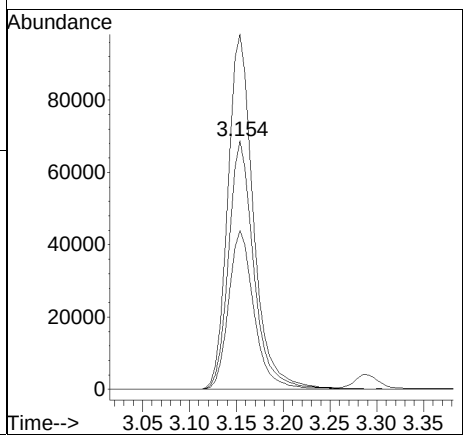


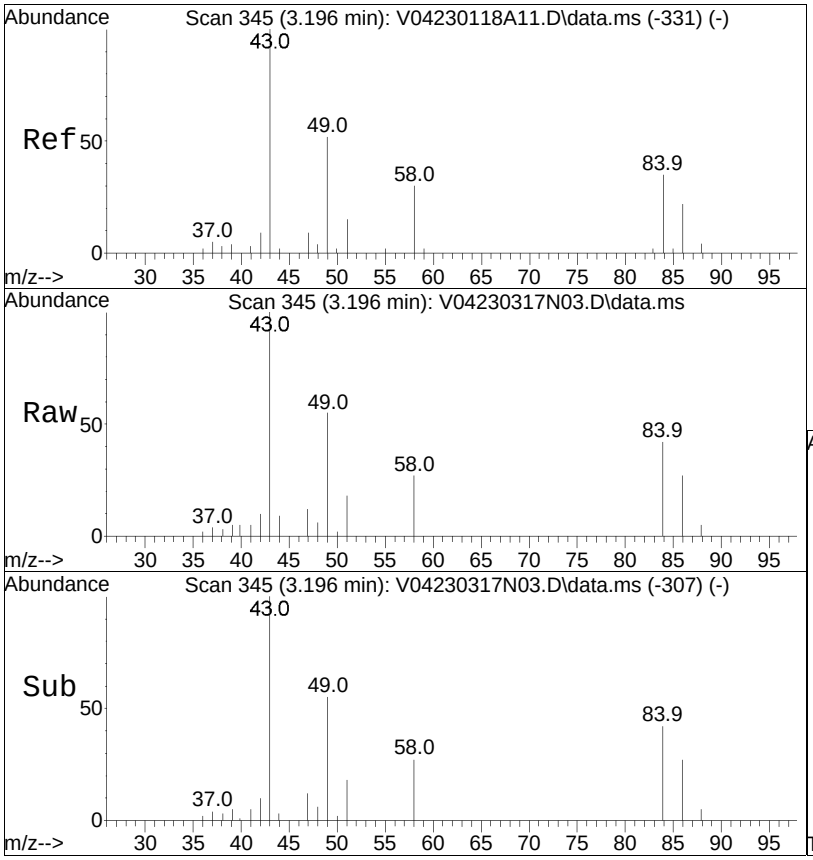


#15
Methylene chloride
Concen: 37.33 ug/L
RT: 3.154 min Scan# 337
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 84 Resp: 129272

Ion	Ratio	Lower	Upper
84	100		
86	64.6	41.3	85.9
49	144.6	91.0	189.0

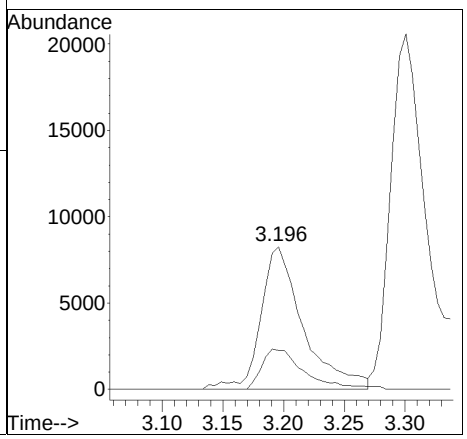


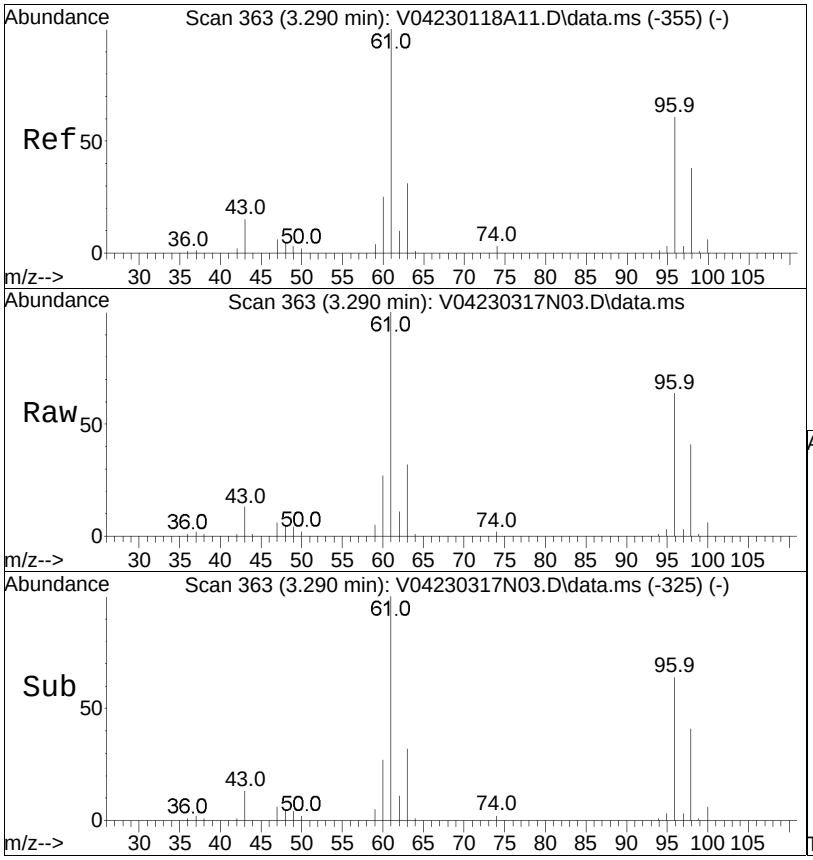


#17
Acetone
Concen: 30.55 ug/L
RT: 3.196 min Scan# 345
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 43 Resp: 20194

Ion	Ratio	Lower	Upper
43	100		
58	28.5	23.2	34.8

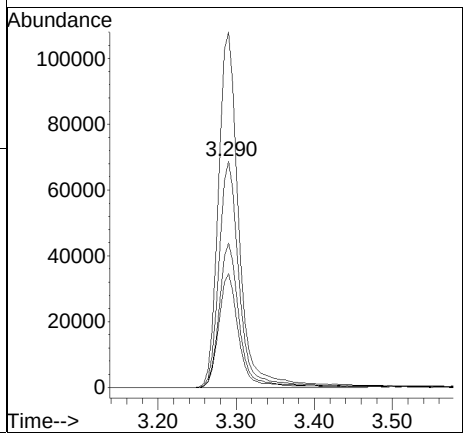


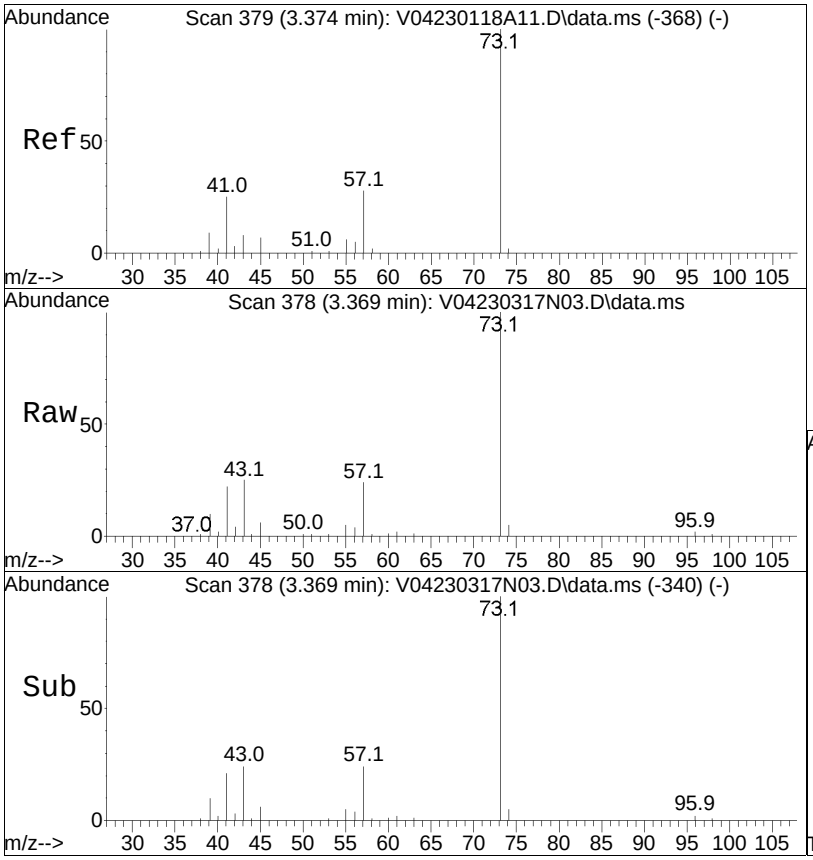


#18
trans-1,2-Dichloroethene
Concen: 39.28 ug/L
RT: 3.290 min Scan# 363
Delta R.T. 0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 96 Resp: 125767

Ion	Ratio	Lower	Upper
96	100		
61	156.4	103.7	215.3
98	62.9	41.0	85.0
63	50.0	32.1	66.7

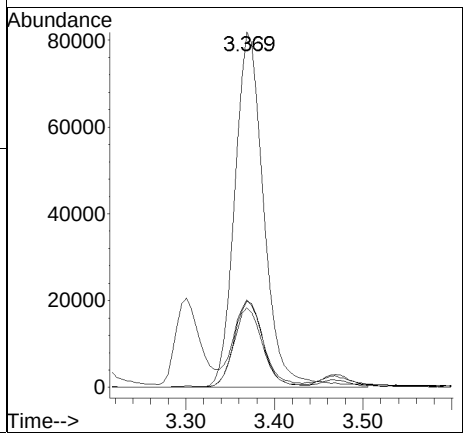


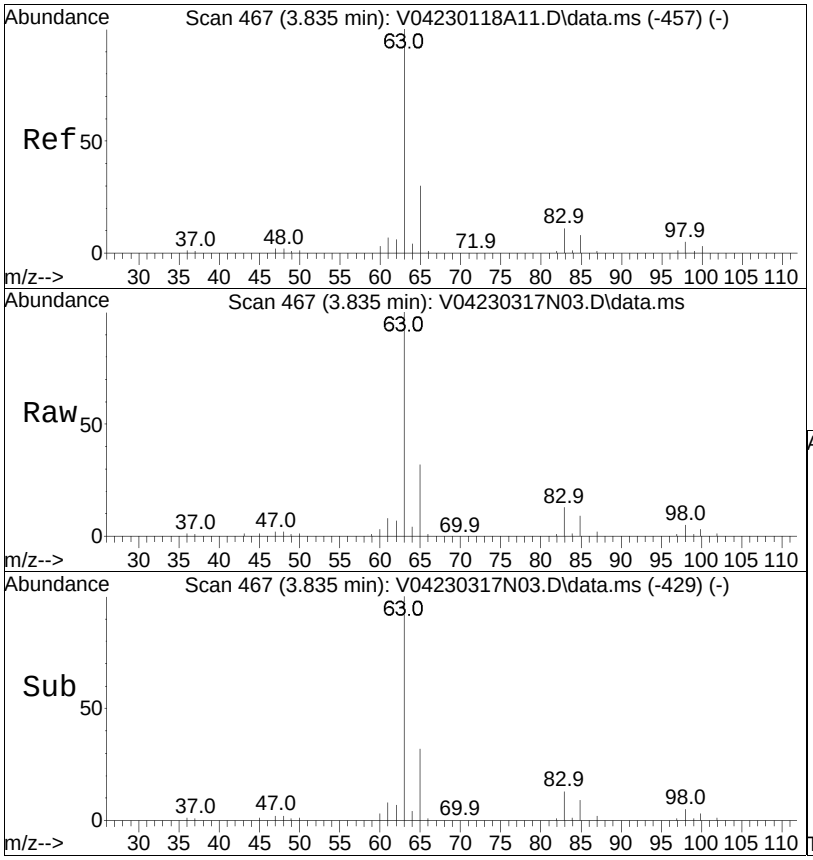


#20
Methyl tert-butyl ether
Concen: 38.65 ug/L
RT: 3.369 min Scan# 378
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 73 Resp: 187423

Ion	Ratio	Lower	Upper
73	100		
57	24.2	16.3	33.9
43	23.9	14.7	30.5
41	22.0	15.4	32.0

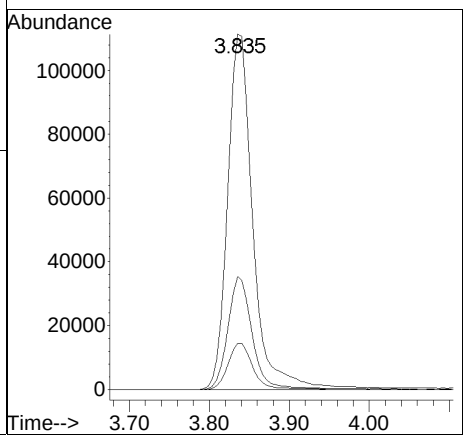


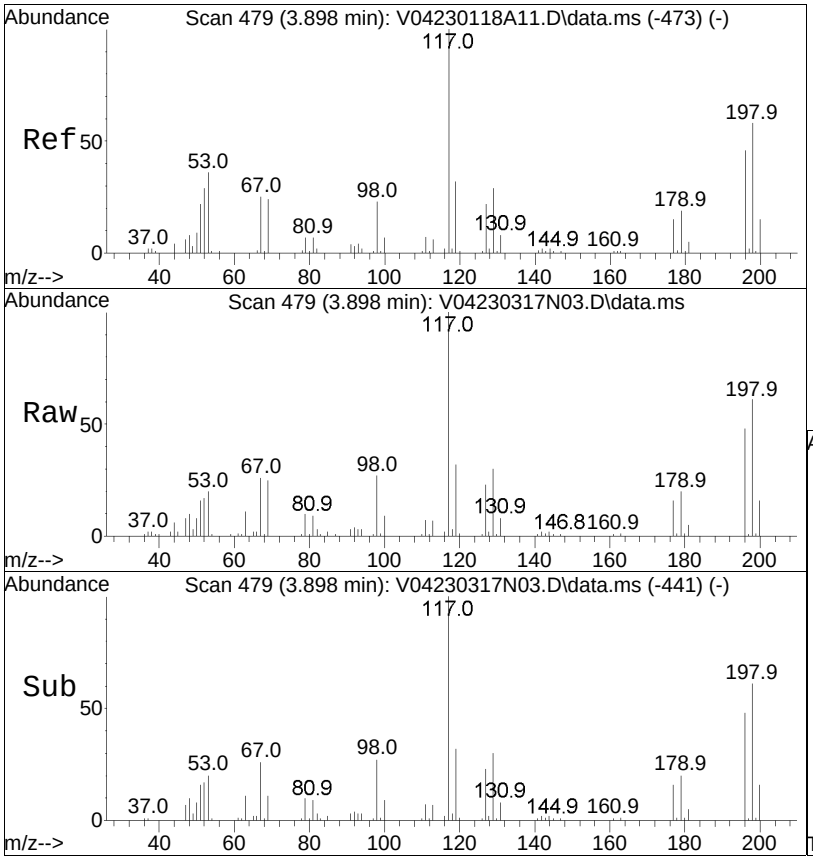


#23
1,1-Dichloroethane
Concen: 35.04 ug/L
RT: 3.835 min Scan# 467
Delta R.T. 0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 63 Resp: 245363

Ion	Ratio	Lower	Upper
63	100		
65	30.6	10.4	50.4
83	12.7	0.0	32.2

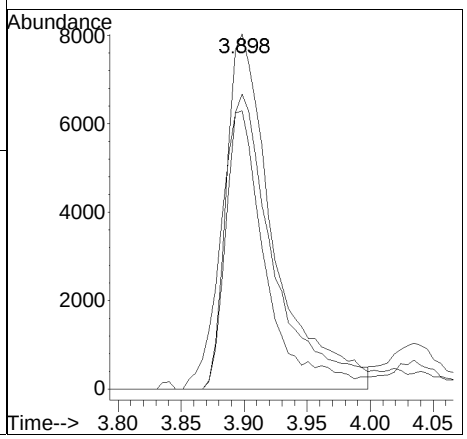


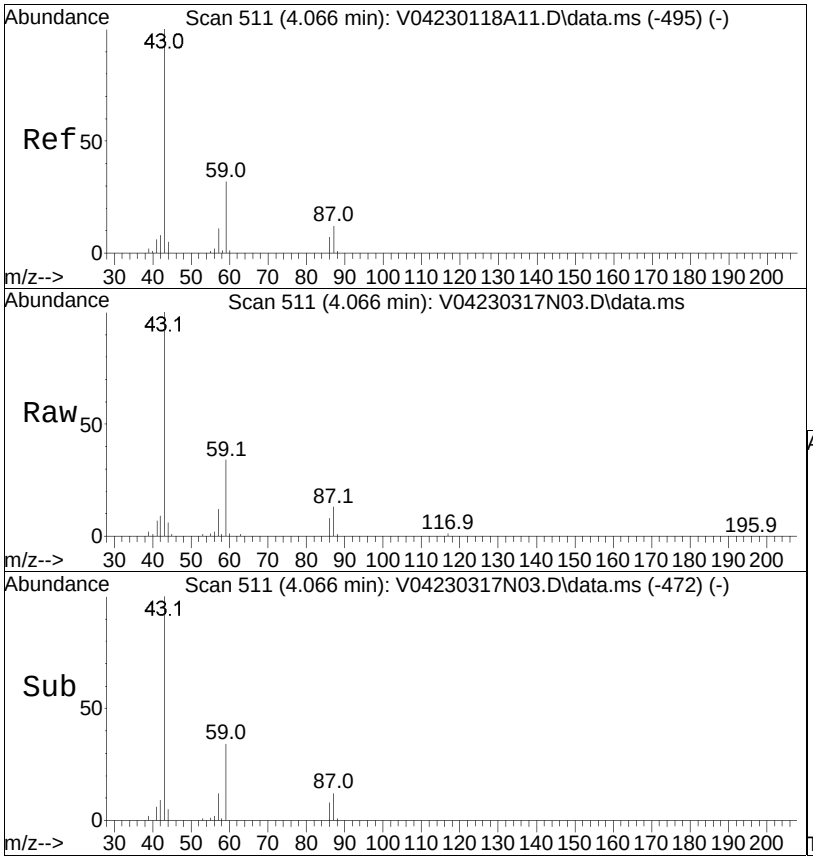


#25
Acrylonitrile
Concen: 29.93 ug/L
RT: 3.898 min Scan# 479
Delta R.T. 0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 53 Resp: 21054

Ion	Ratio	Lower	Upper
53	100		
52	84.7	65.9	98.9
51	75.5	46.2	69.4#

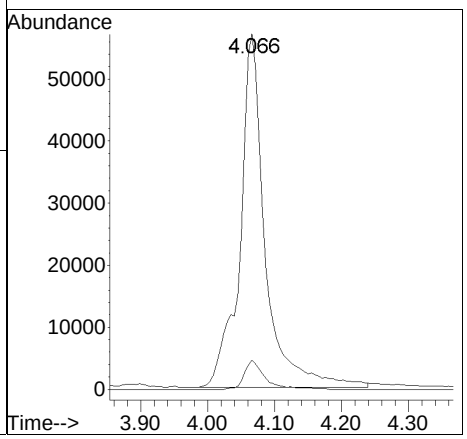


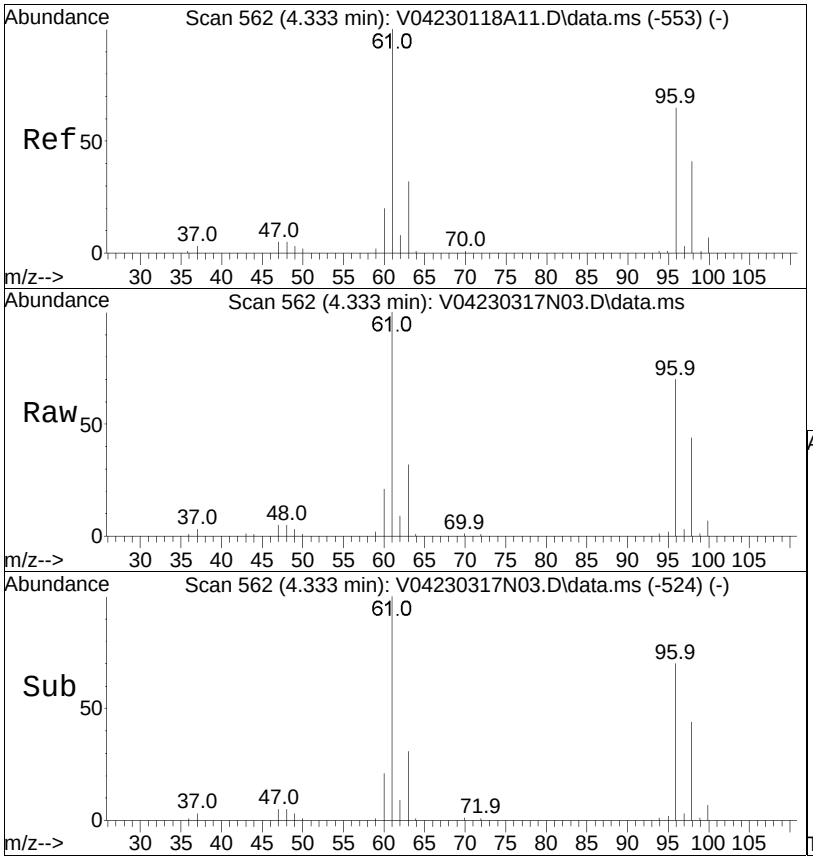


#27
Vinyl acetate
Concen: 31.40 ug/L
RT: 4.066 min Scan# 511
Delta R.T. 0.005 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 43 Resp: 150030

Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.4	8.2

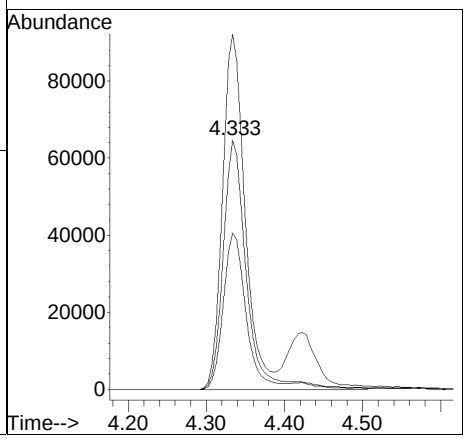


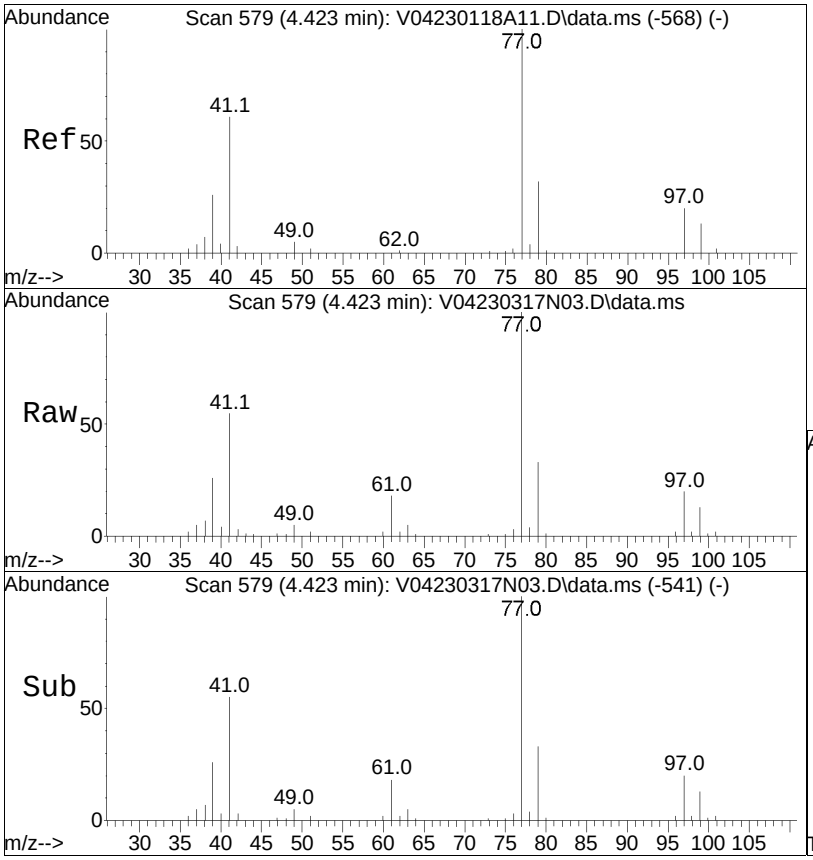


#28
cis-1,2-Dichloroethene
Concen: 38.73 ug/L
RT: 4.333 min Scan# 562
Delta R.T. 0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 96 Resp: 135486

Ion	Ratio	Lower	Upper
96	100		
61	135.2	114.4	171.6
98	60.3	51.3	76.9

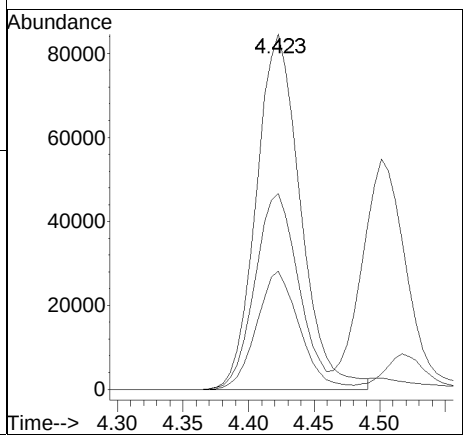


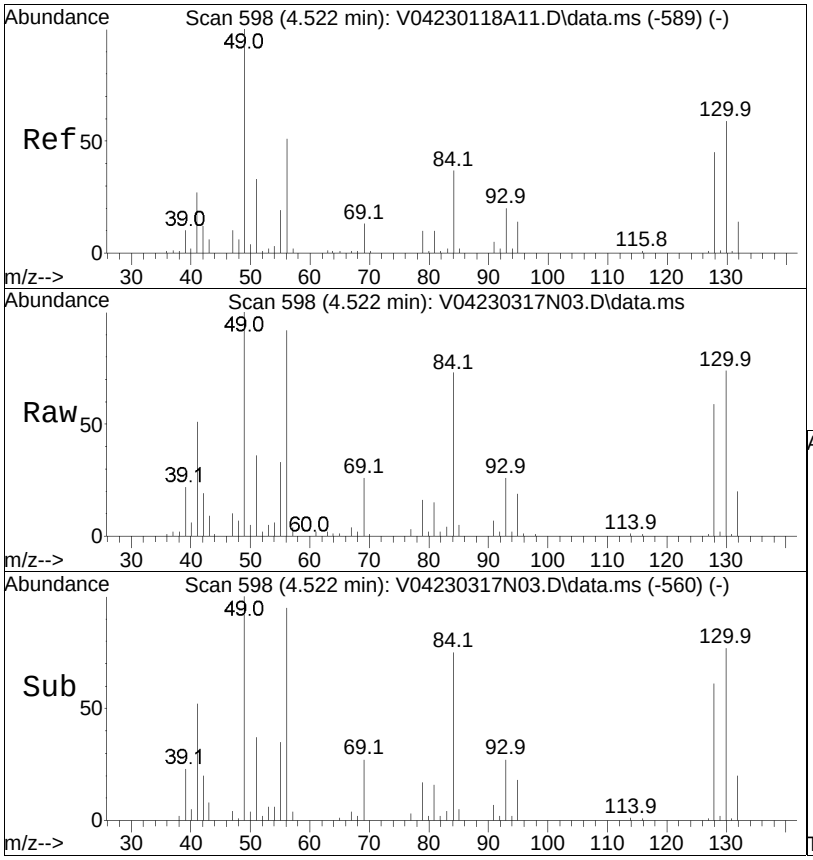


#29
2,2-Dichloropropane
Concen: 41.82 ug/L
RT: 4.423 min Scan# 579
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 77 Resp: 198487

Ion	Ratio	Lower	Upper
77	100		
41	54.3	36.7	76.3
79	32.3	21.1	43.9

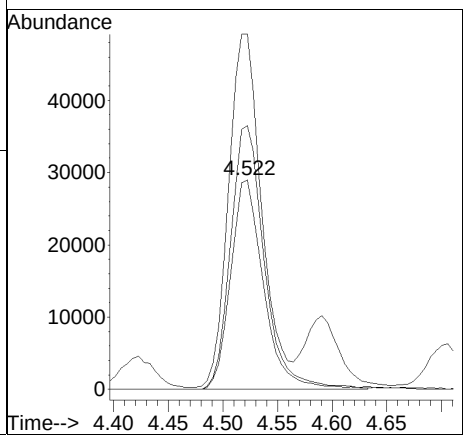


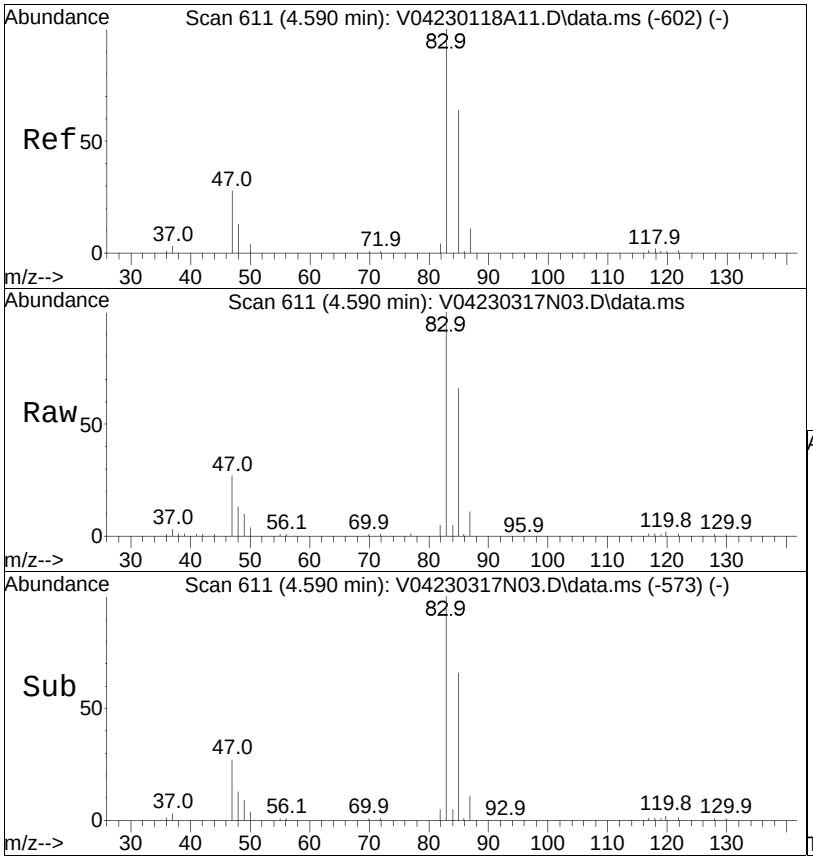


#30
Bromochloromethane
Concen: 39.18 ug/L
RT: 4.522 min Scan# 598
Delta R.T. 0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:128 Resp: 61185

Ion	Ratio	Lower	Upper
128	100		
49	167.8	136.8	205.2
130	128.5	102.6	153.8

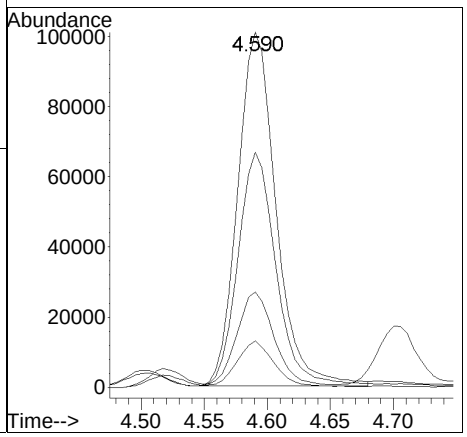


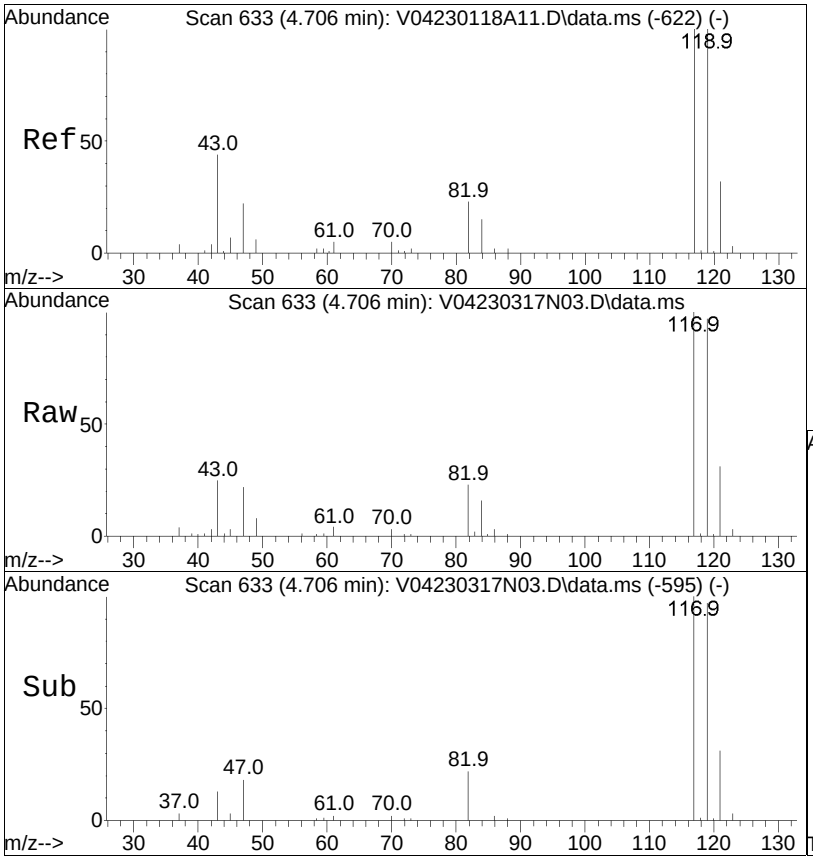


#32
Chloroform
Concen: 37.83 ug/L
RT: 4.590 min Scan# 611
Delta R.T. 0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 83 Resp: 214003

Ion	Ratio	Lower	Upper
83	100		
85	65.7	41.9	87.1
47	25.0	16.7	34.7
48	12.4	7.9	16.3

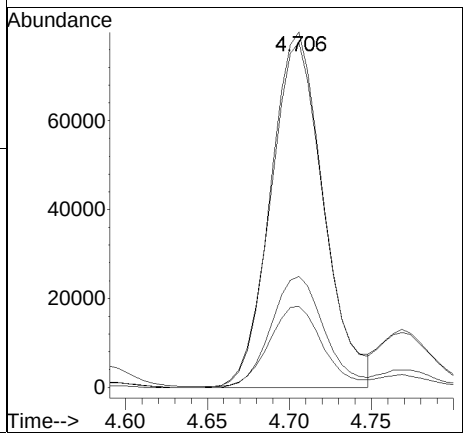


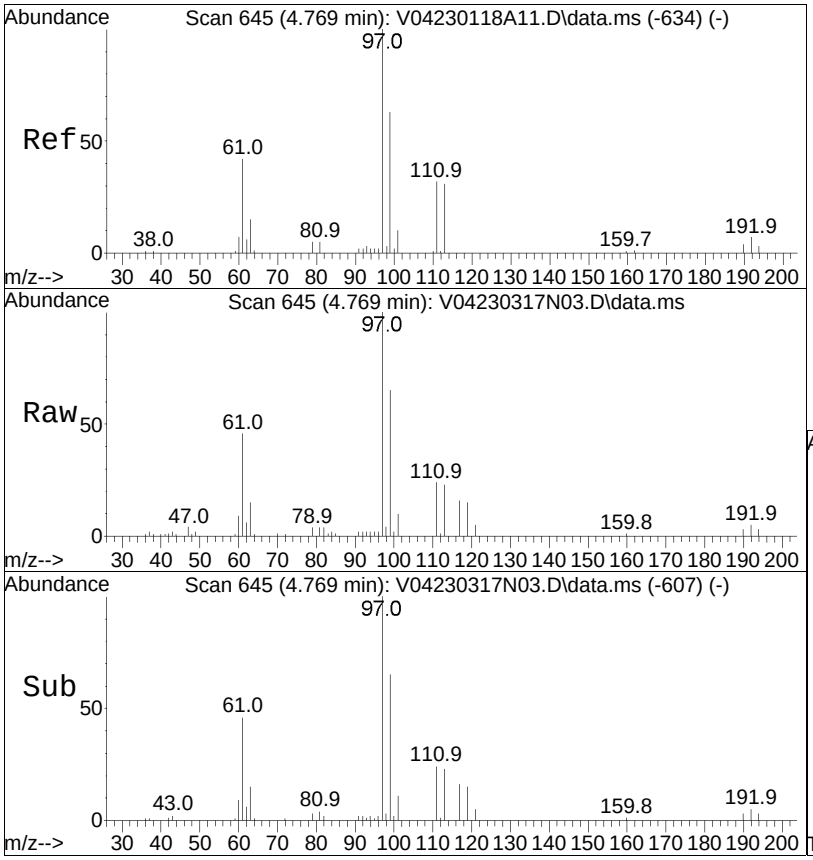


#34
Carbon tetrachloride
Concen: 45.32 ug/L
RT: 4.706 min Scan# 633
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:117 Resp: 180248

Ion	Ratio	Lower	Upper
117	100		
119	97.0	62.9	130.7
121	31.3	20.2	42.0
82	22.5	14.9	30.9

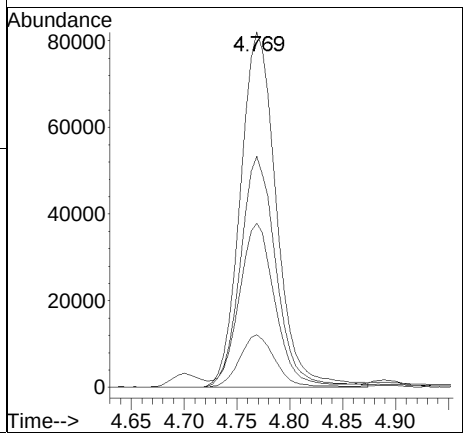


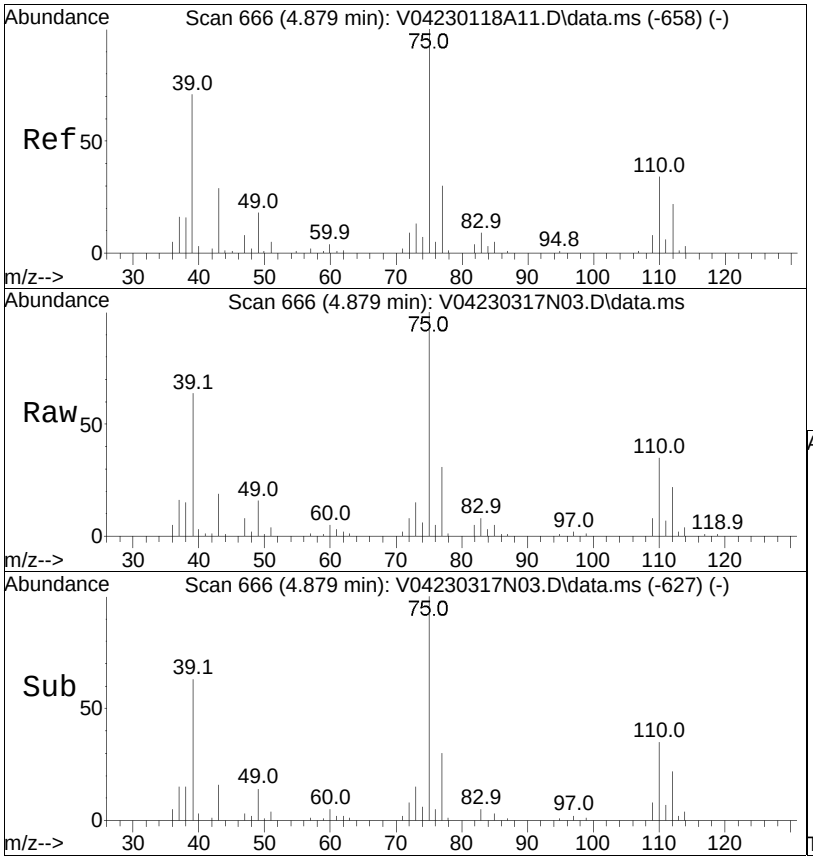


#37
1,1,1-Trichloroethane
Concen: 43.94 ug/L
RT: 4.769 min Scan# 645
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 97 Resp: 195448

Ion	Ratio	Lower	Upper
97	100		
99	64.7	41.7	86.7
61	45.9	30.9	64.3
63	14.7	9.6	20.0

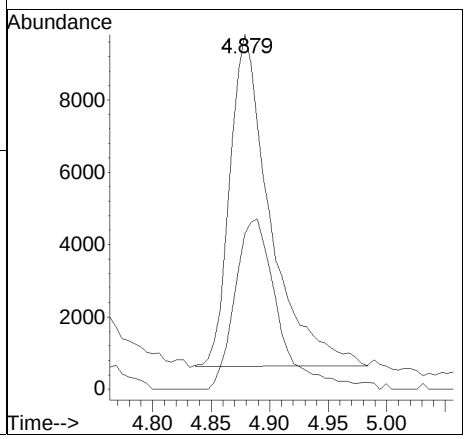


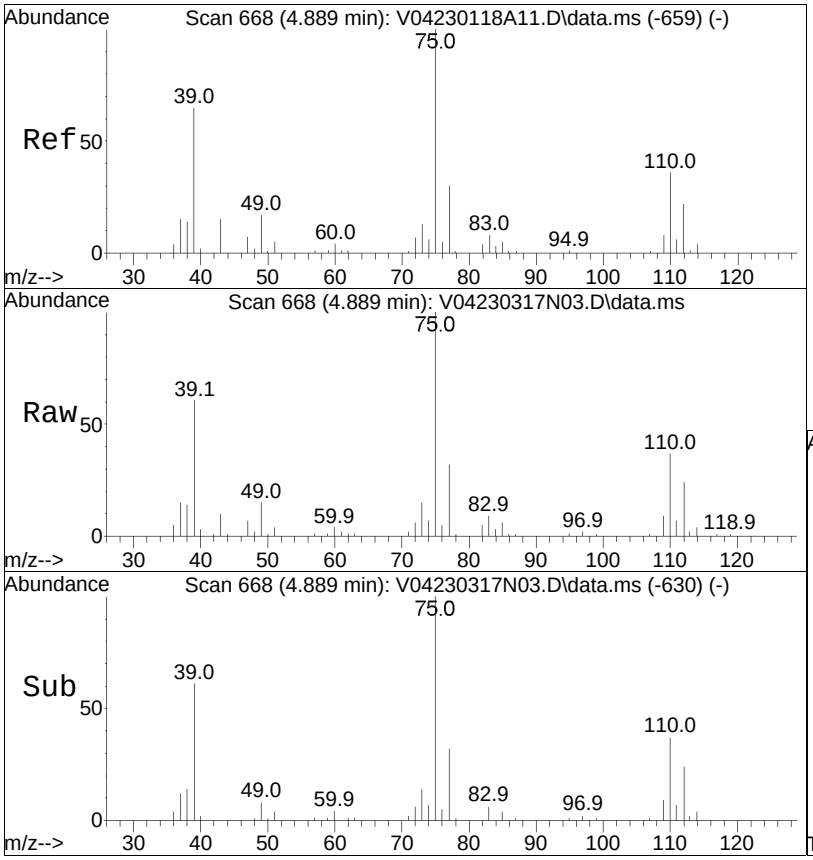


#39
2-Butanone
Concen: 28.36 ug/L
RT: 4.879 min Scan# 666
Delta R.T. 0.006 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 43 Resp: 21956

Ion	Ratio	Lower	Upper
43	100		
72	54.4	25.8	38.8#

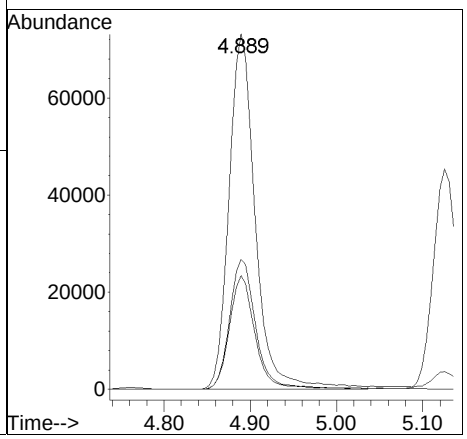


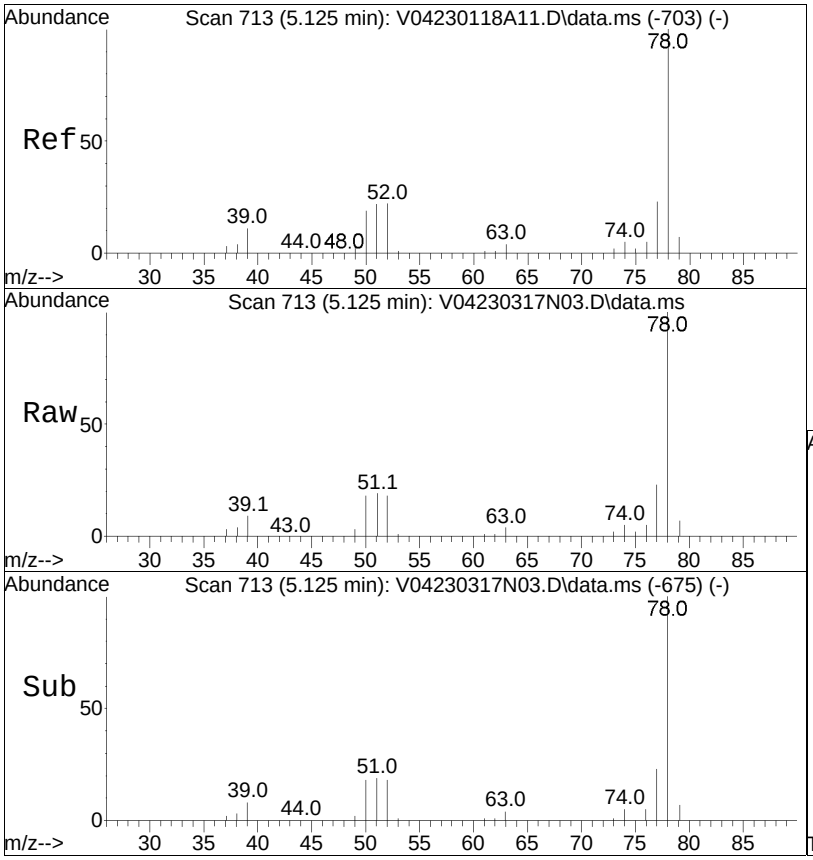


#40
1,1-Dichloropropene
Concen: 42.50 ug/L
RT: 4.889 min Scan# 668
Delta R.T. 0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 75 Resp: 156065

Ion	Ratio	Lower	Upper
75	100		
110	36.5	24.4	50.6
77	31.1	20.0	41.6

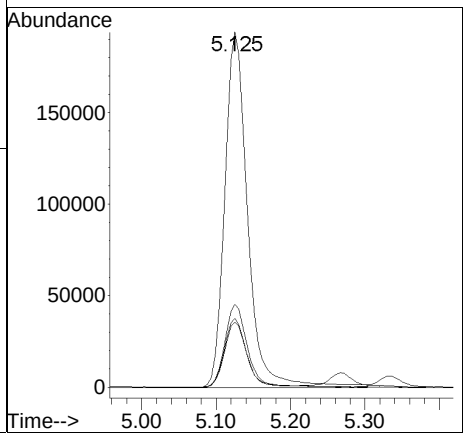


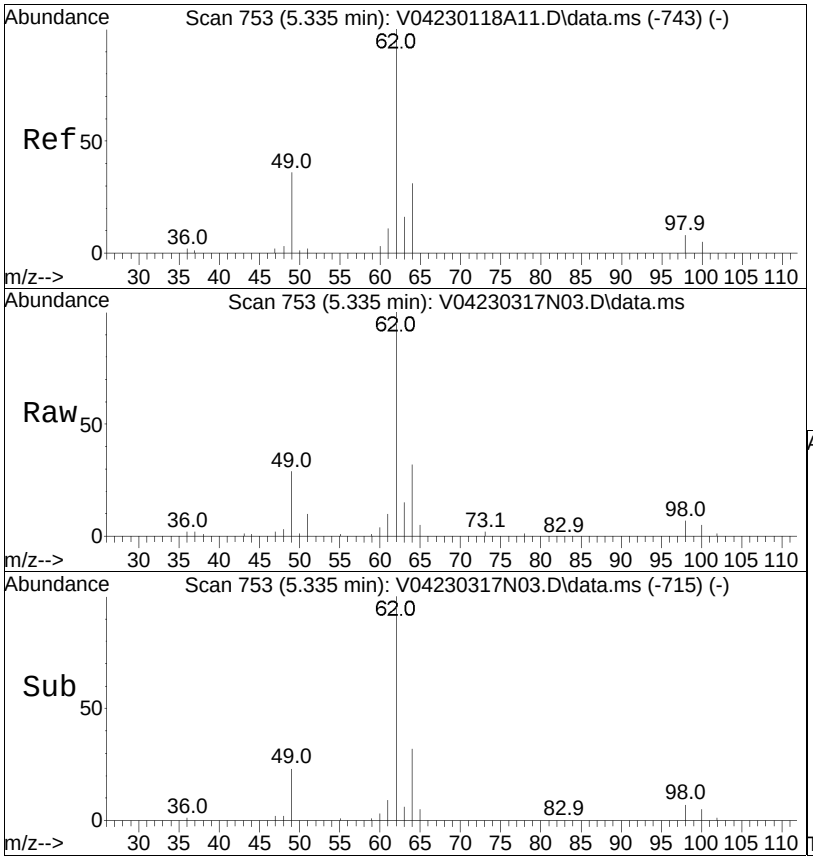


#41
Benzene
Concen: 39.50 ug/L
RT: 5.125 min Scan# 713
Delta R.T. 0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 78 Resp: 416419

Ion	Ratio	Lower	Upper
78	100		
77	22.7	15.1	31.3
51	18.7	12.2	25.4
52	18.0	11.9	24.7

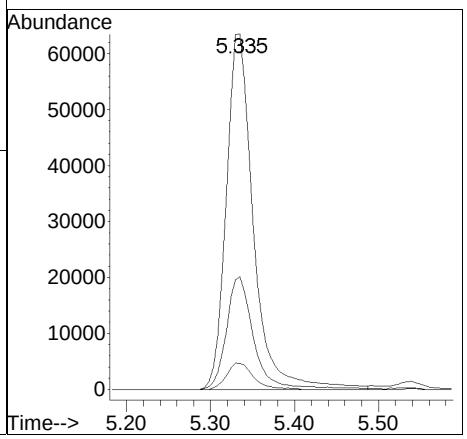


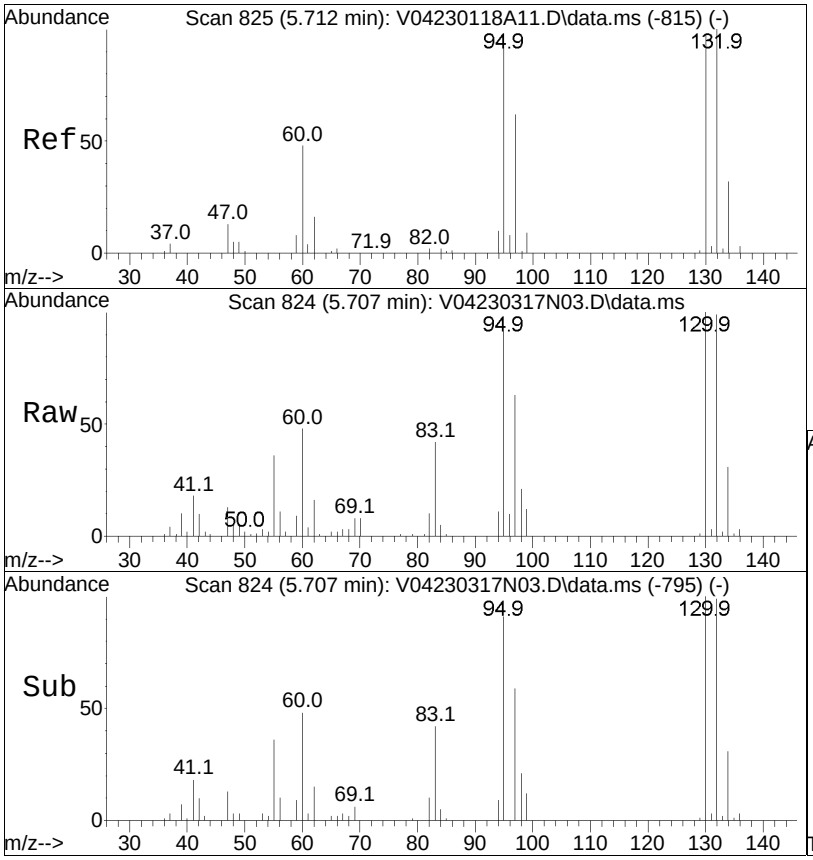


#44
1,2-Dichloroethane
Concen: 38.09 ug/L
RT: 5.335 min Scan# 753
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 62 Resp: 143162

Ion	Ratio	Lower	Upper
62	100		
64	31.1	11.3	51.3
98	7.3	0.0	27.5

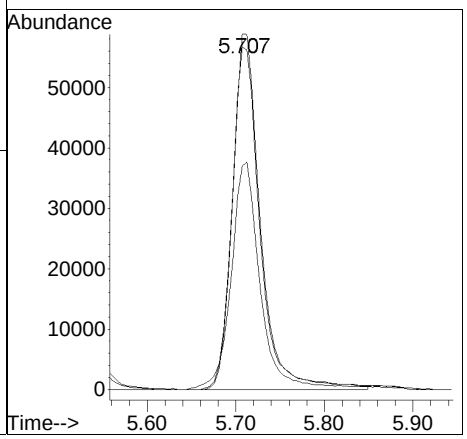


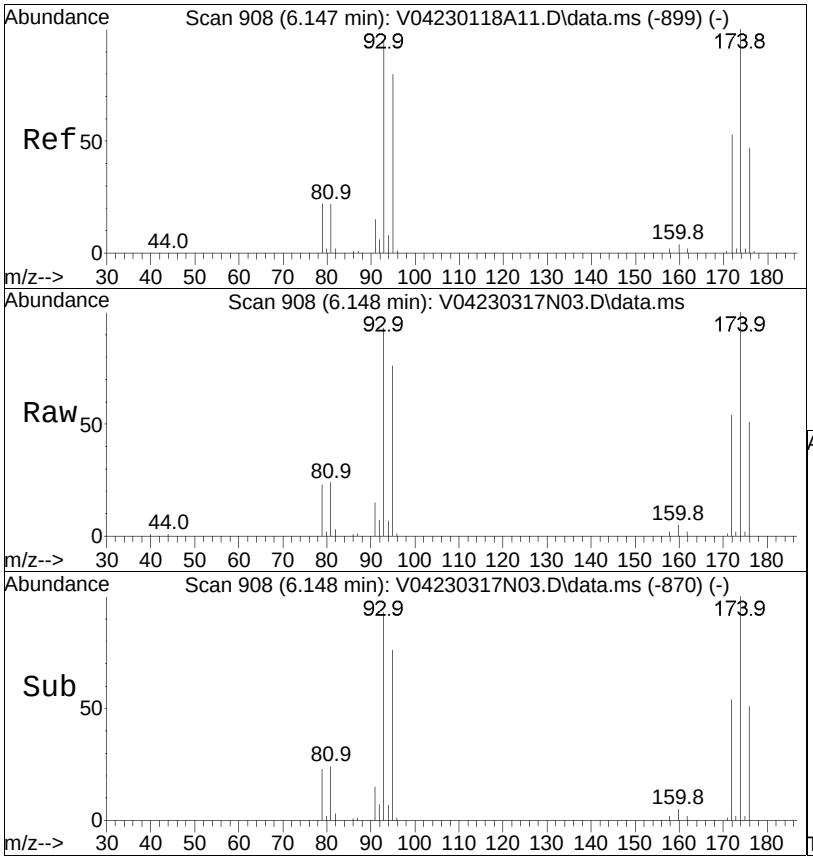


#48
Trichloroethene
Concen: 44.79 ug/L
RT: 5.707 min Scan# 824
Delta R.T. 0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 95 Resp: 125763

Ion	Ratio	Lower	Upper
95	100		
97	68.7	53.9	80.9
130	101.2	83.1	124.7

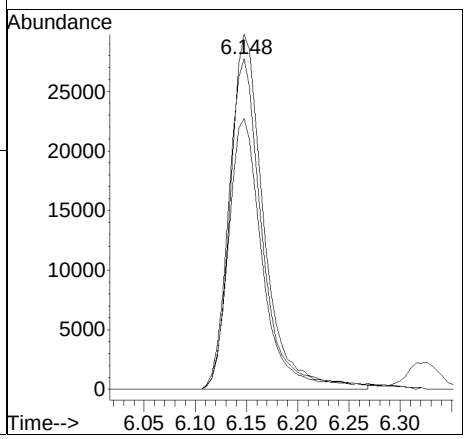


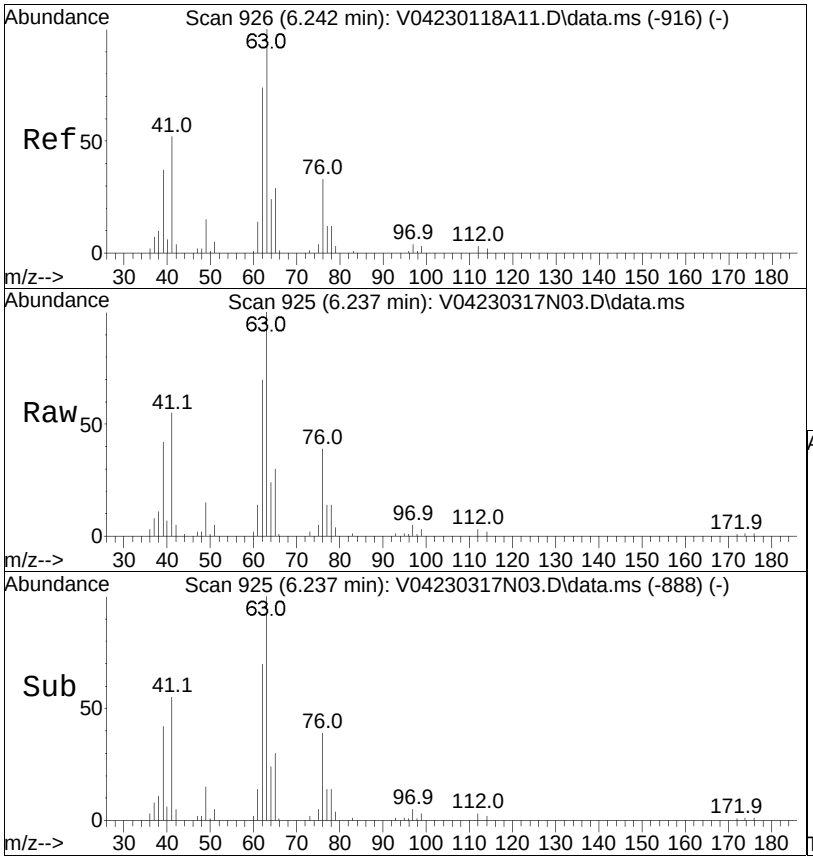


#50
Dibromomethane
Concen: 38.64 ug/L
RT: 6.148 min Scan# 908
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 93 Resp: 63292

Ion	Ratio	Lower	Upper
93	100		
95	84.7	66.3	99.5
174	108.8	87.4	131.0

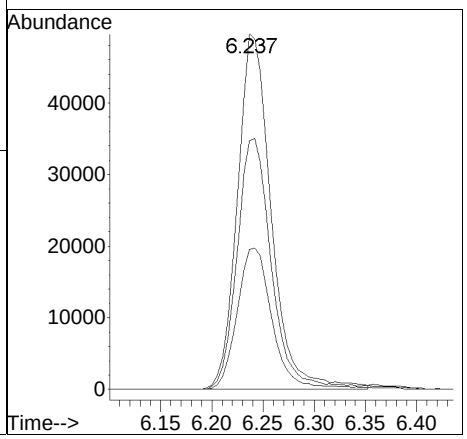


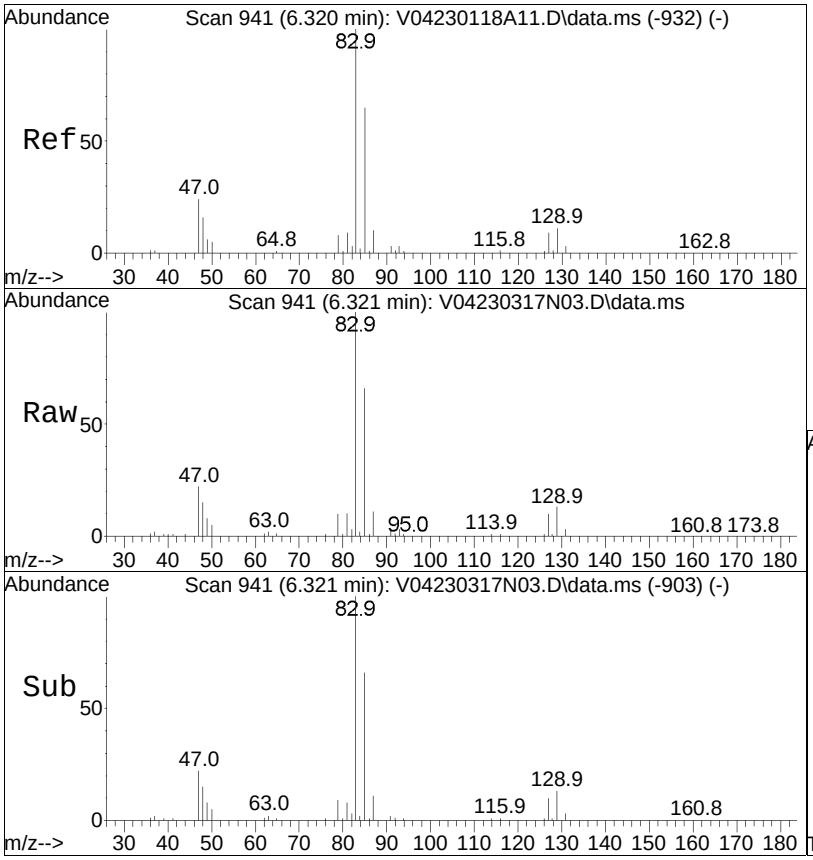


#51
1,2-Dichloropropane
Concen: 34.81 ug/L
RT: 6.237 min Scan# 925
Delta R.T. -0.005 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 63 Resp: 114340

Ion	Ratio	Lower	Upper
63	100		
62	72.6	58.2	87.2
76	41.5	31.4	47.2

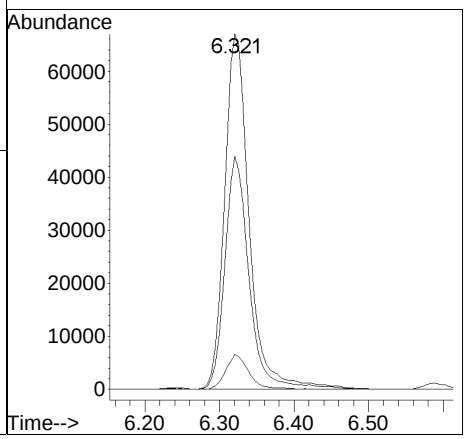


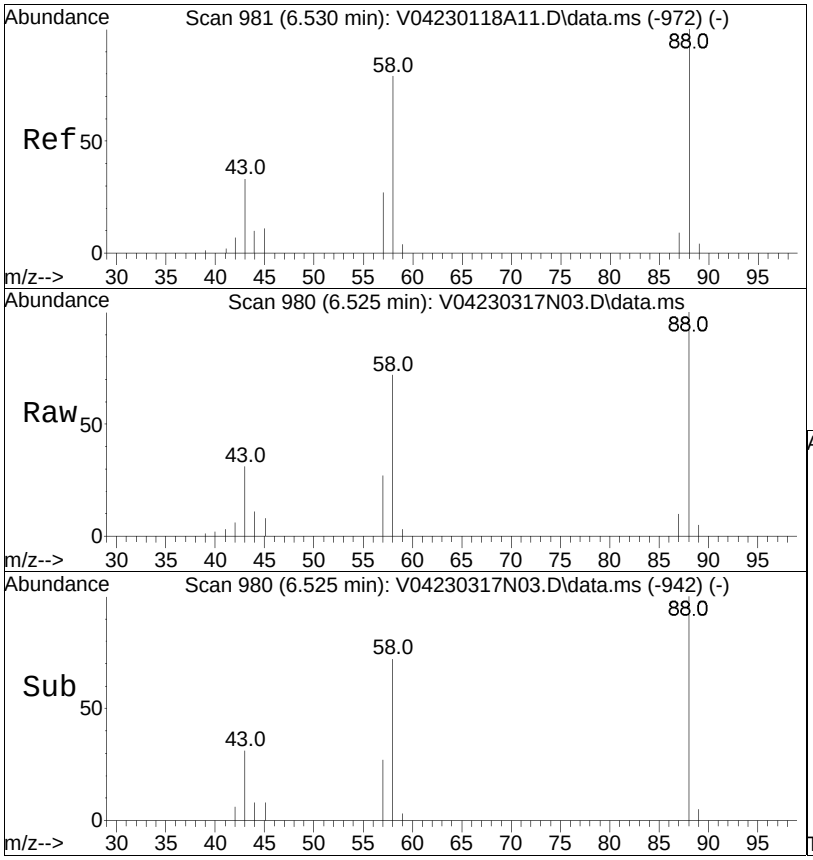


#54
Bromodichloromethane
Concen: 39.38 ug/L
RT: 6.321 min Scan# 941
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 83 Resp: 154457

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.2	76.8
127	9.2	7.3	10.9

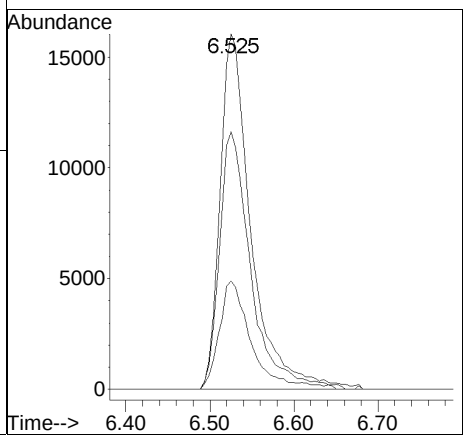


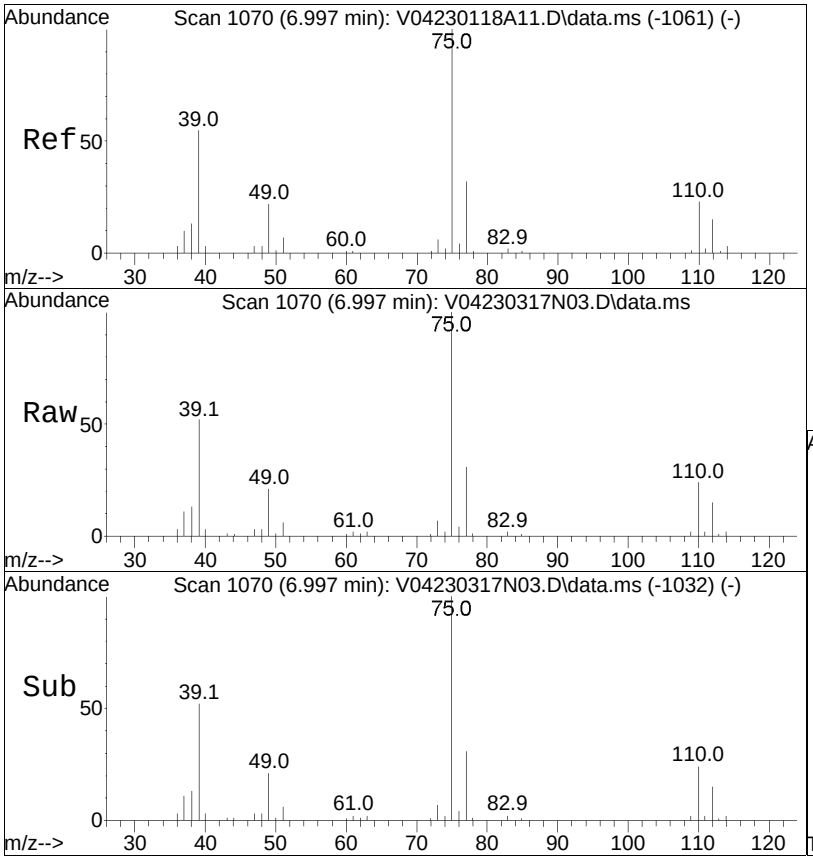


#57
1,4-Dioxane
Concen: 1890.00 ug/L
RT: 6.525 min Scan# 980
Delta R.T. 0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 88 Resp: 41291

Ion	Ratio	Lower	Upper
88	100		
58	73.3	57.1	85.7
43	31.6	22.9	34.3

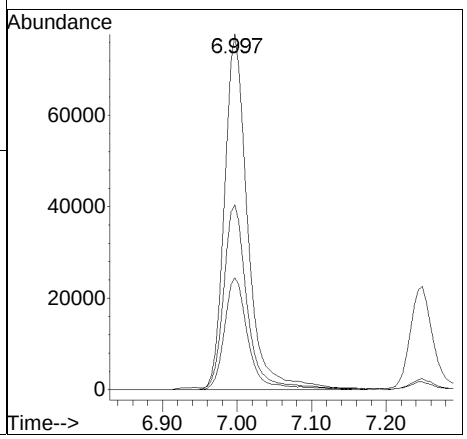


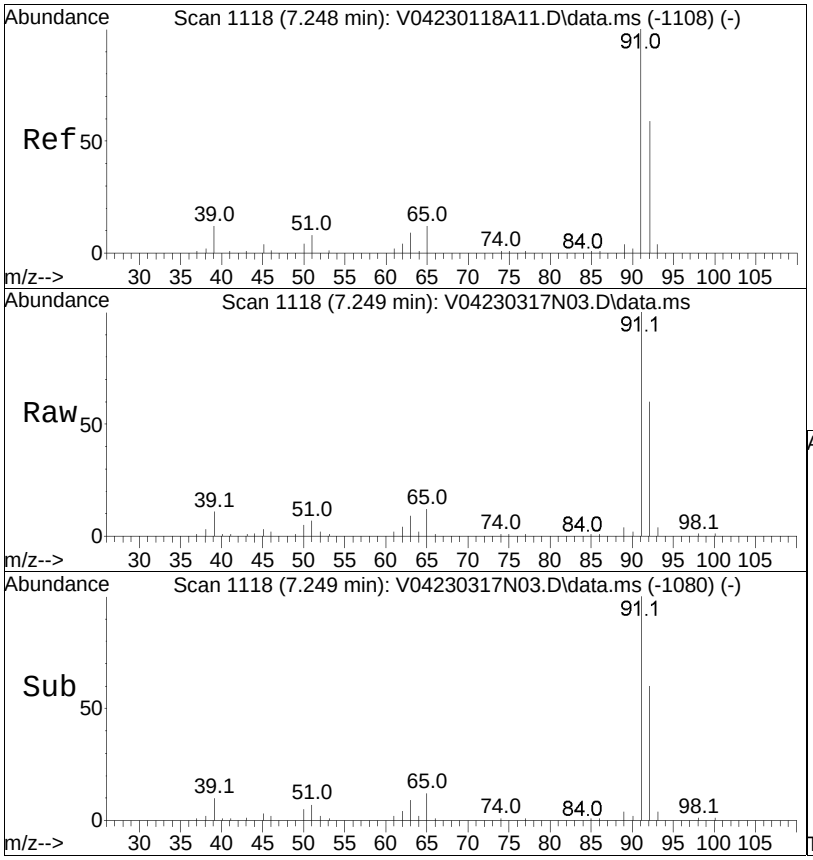


#58
cis-1,3-Dichloropropene
Concen: 41.83 ug/L
RT: 6.997 min Scan# 1070
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 75 Resp: 168495

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.3	37.9
39	52.8	40.2	60.2

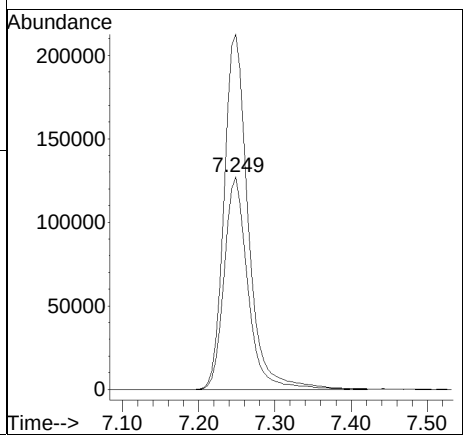


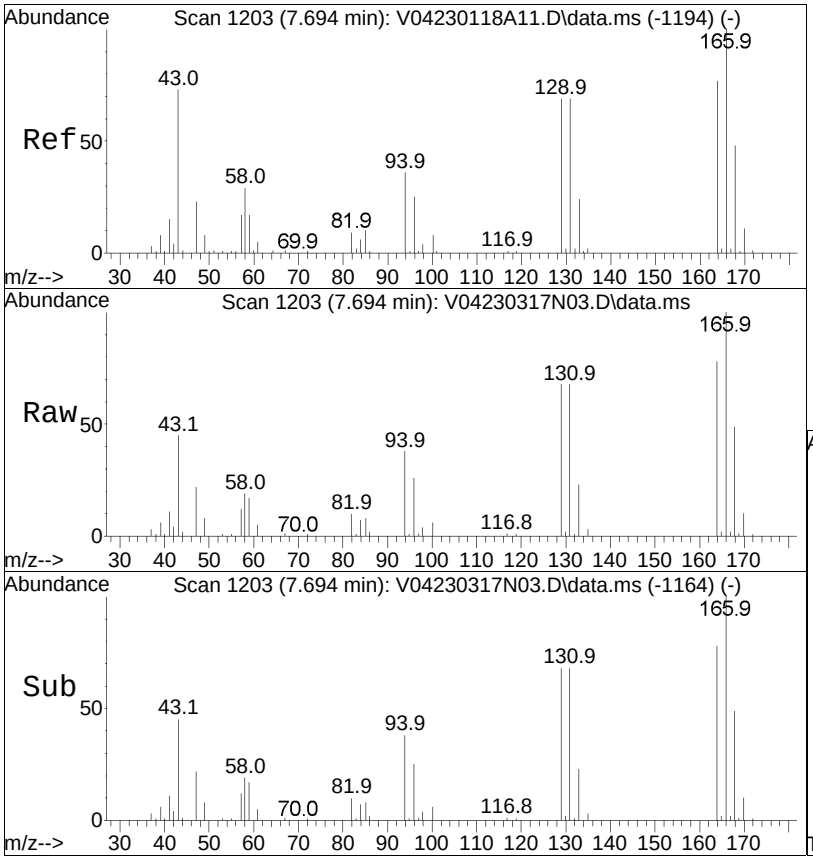


#61
Toluene
Concen: 43.51 ug/L
RT: 7.249 min Scan# 1118
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 92 Resp: 275752

Ion	Ratio	Lower	Upper
92	100		
91	169.3	135.8	203.6

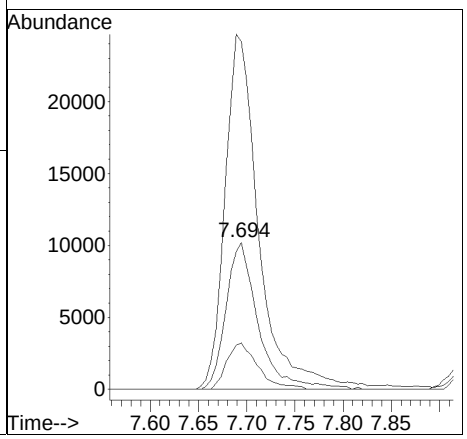


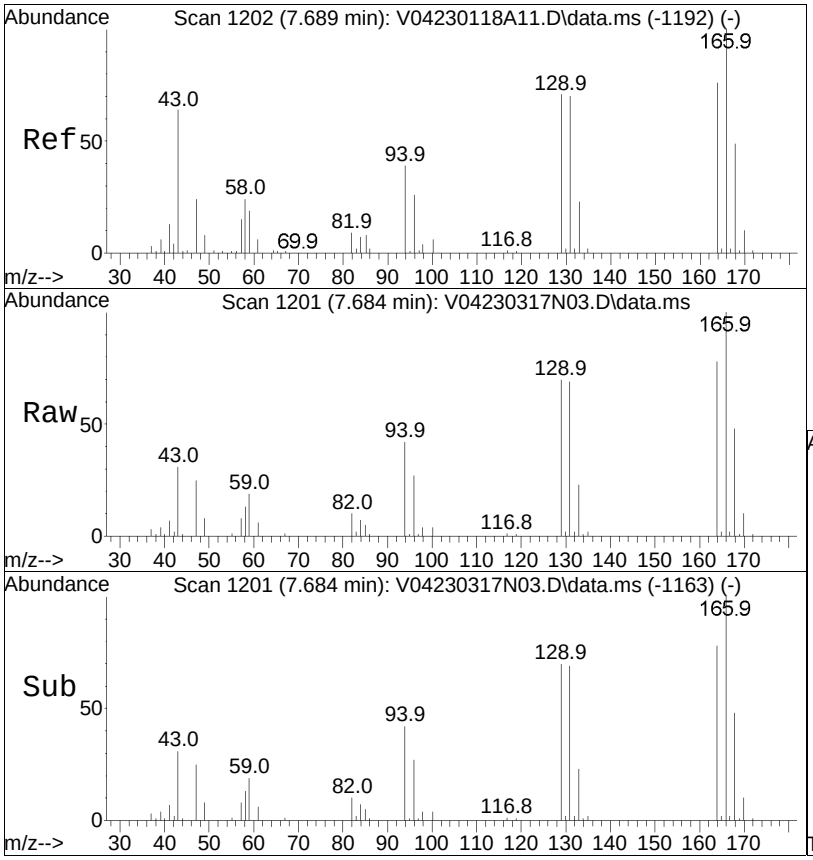


#62
4-Methyl-2-pentanone
Concen: 33.09 ug/L
RT: 7.694 min Scan# 1203
Delta R.T. 0.005 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 58 Resp: 23827

Ion	Ratio	Lower	Upper
58	100		
100	30.7	25.6	38.4
43	253.5	195.7	293.5

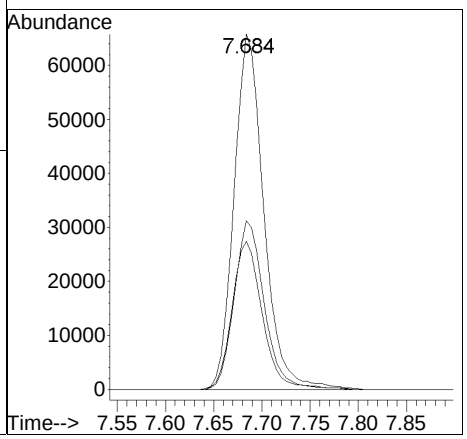


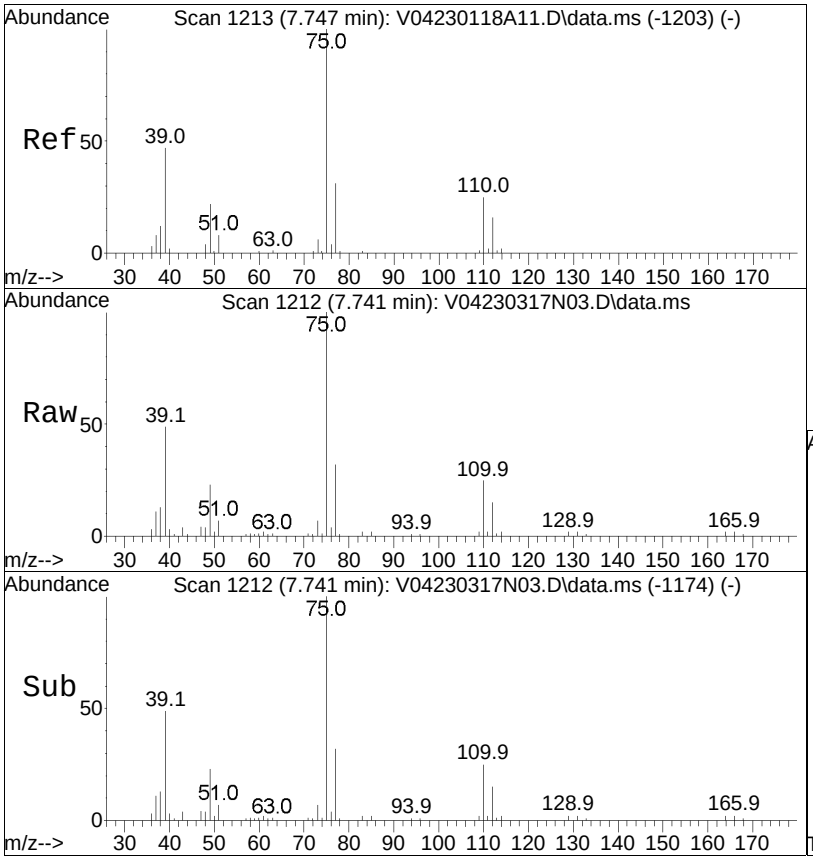


#63
Tetrachloroethene
Concen: 46.60 ug/L
RT: 7.684 min Scan# 1201
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:166 Resp: 141483

Ion	Ratio	Lower	Upper
166	100		
168	48.0	27.6	67.6
94	42.3	20.9	60.9

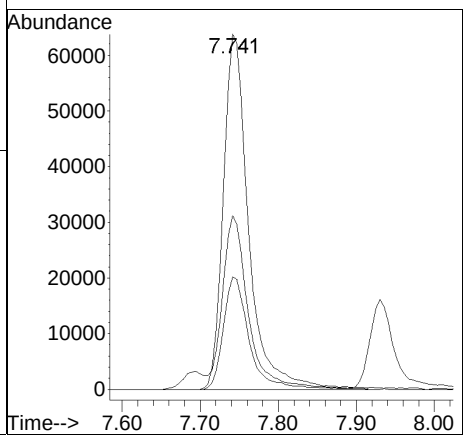


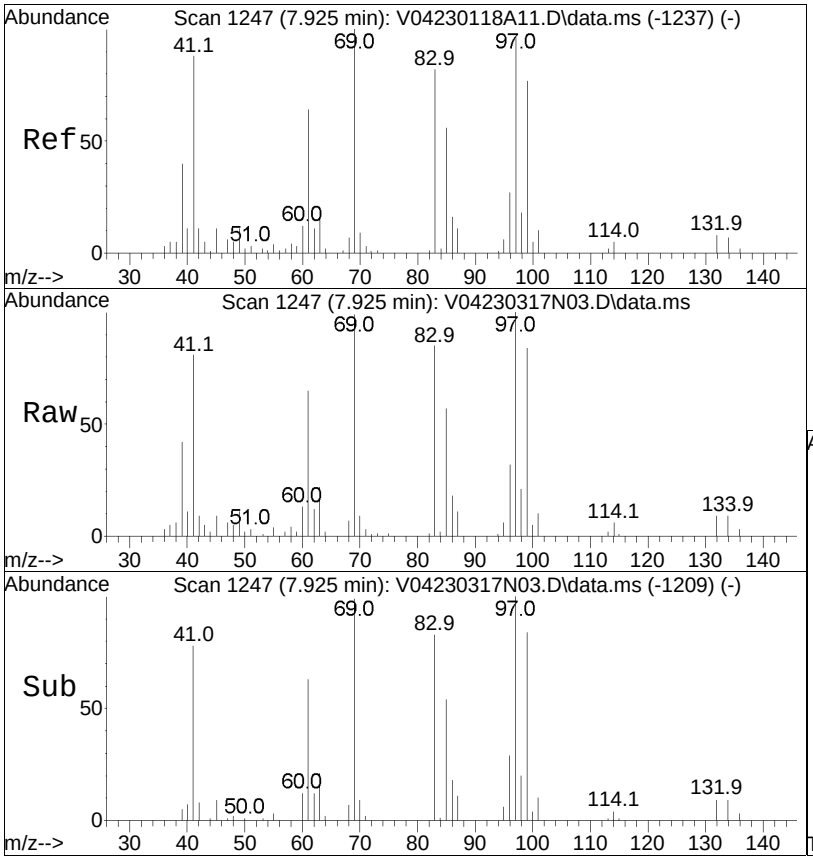


#65
trans-1,3-Dichloropropene
Concen: 40.35 ug/L
RT: 7.741 min Scan# 1212
Delta R.T. 0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 75 Resp: 144665

Ion	Ratio	Lower	Upper
75	100		
77	32.1	12.0	52.0
39	48.8	29.3	69.3

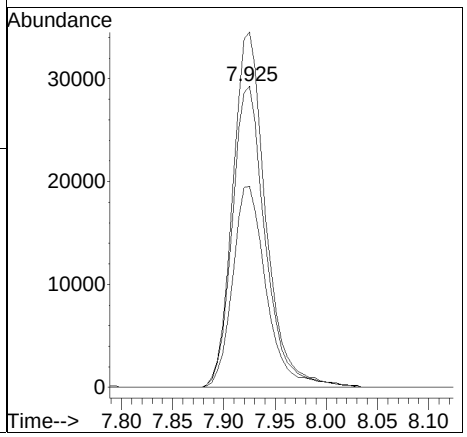


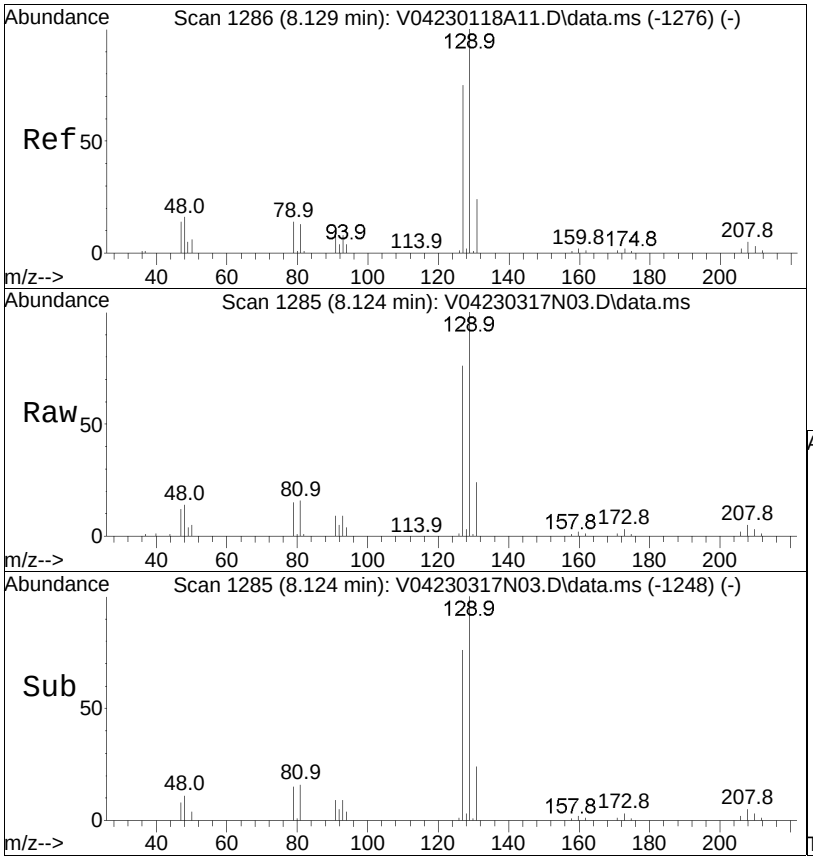


#68
1,1,2-Trichloroethane
Concen: 38.78 ug/L
RT: 7.925 min Scan# 1247
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 83 Resp: 65915

Ion	Ratio	Lower	Upper
83	100		
97	117.5	99.3	139.3
85	68.3	47.8	87.8

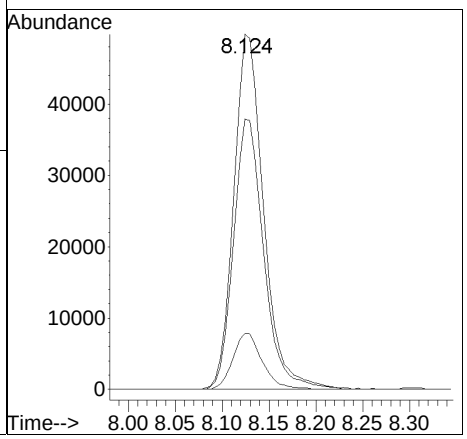


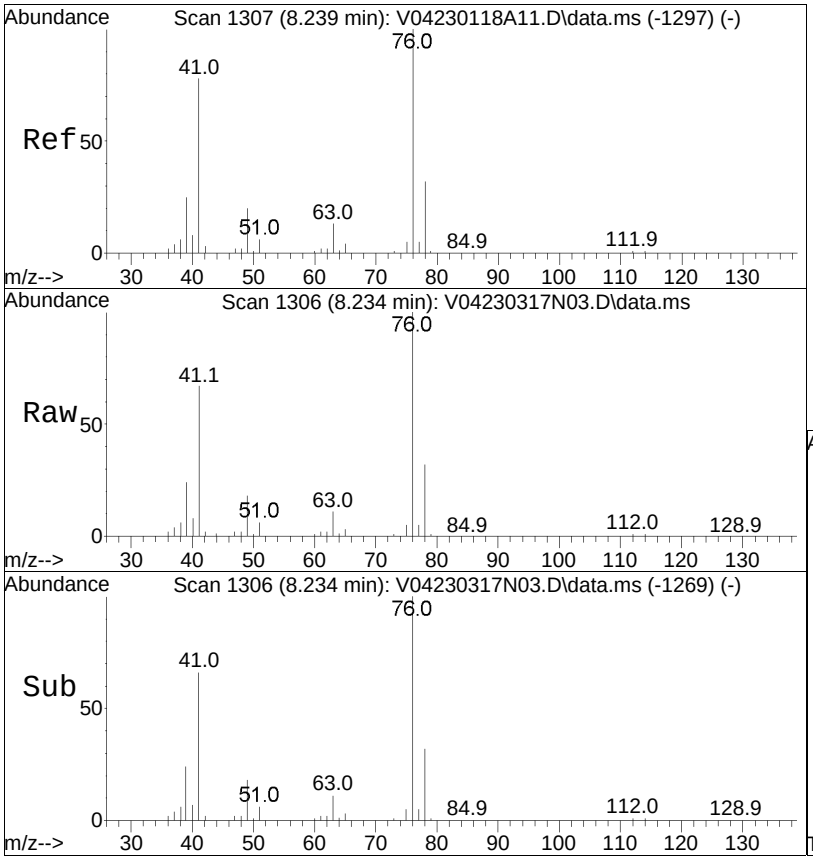


#69
Chlorodibromomethane
Concen: 44.73 ug/L
RT: 8.124 min Scan# 1285
Delta R.T. -0.005 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:129 Resp: 110382

Ion	Ratio	Lower	Upper
129	100		
81	15.5	0.0	34.6
127	77.0	56.9	96.9

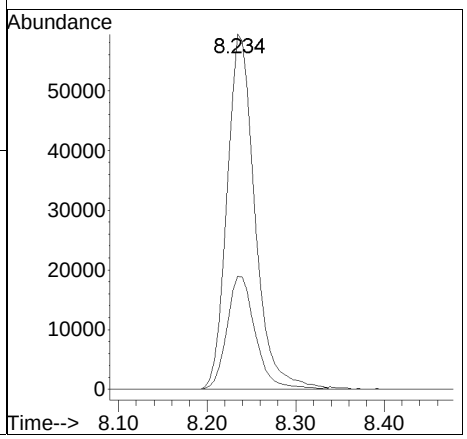


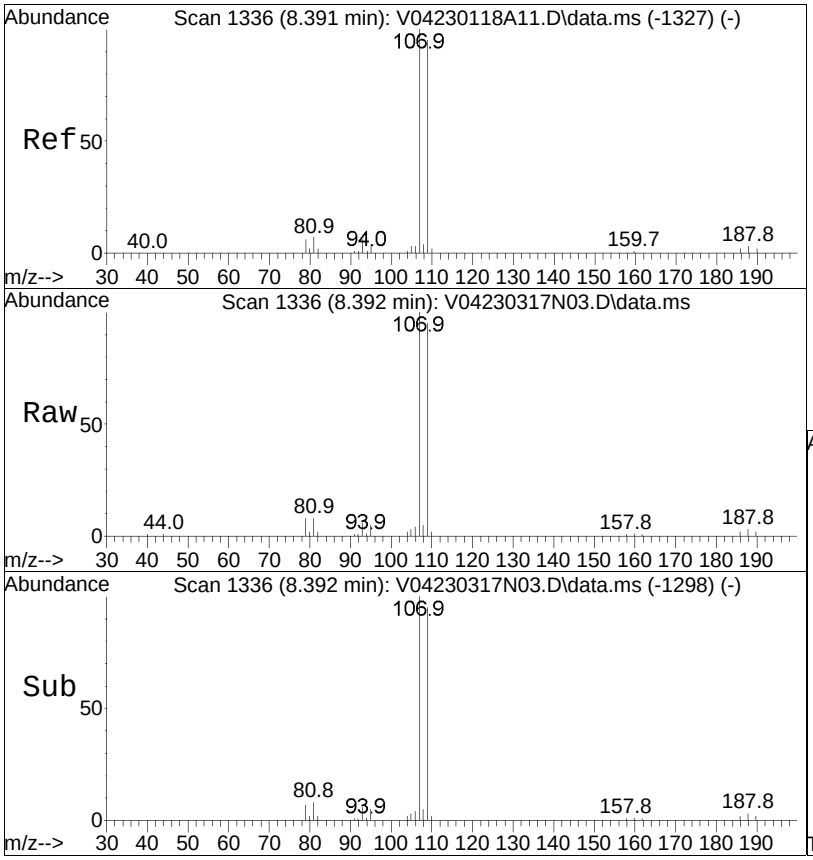


#70
1,3-Dichloropropane
Concen: 40.82 ug/L
RT: 8.234 min Scan# 1306
Delta R.T. -0.005 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 76 Resp: 130669

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8

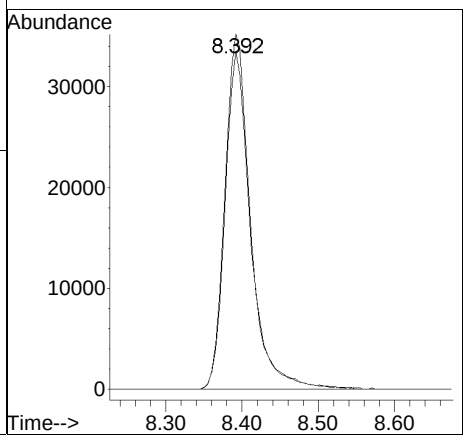


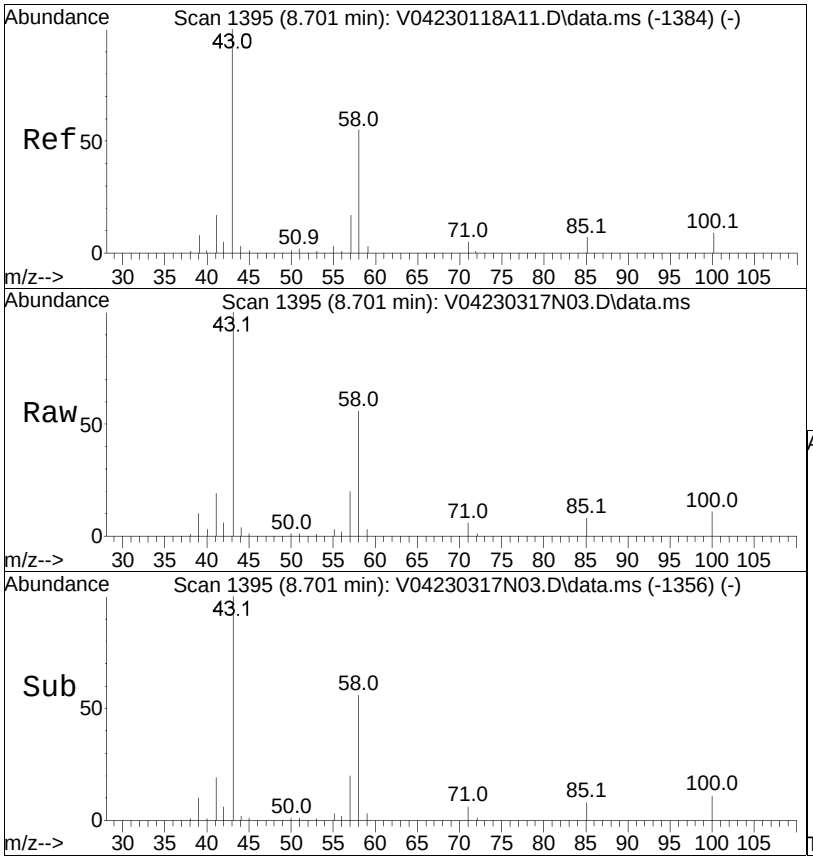


#71
1,2-Dibromoethane
Concen: 40.79 ug/L
RT: 8.392 min Scan# 1336
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:107 Resp: 83081

Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.4	113.0

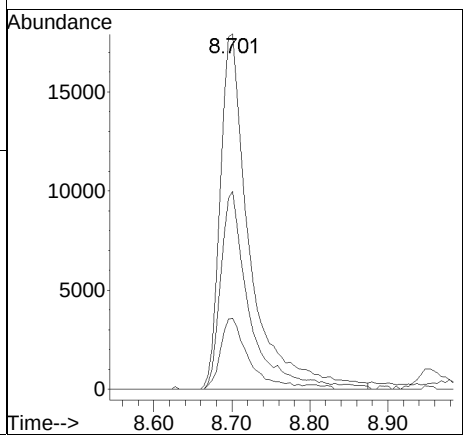


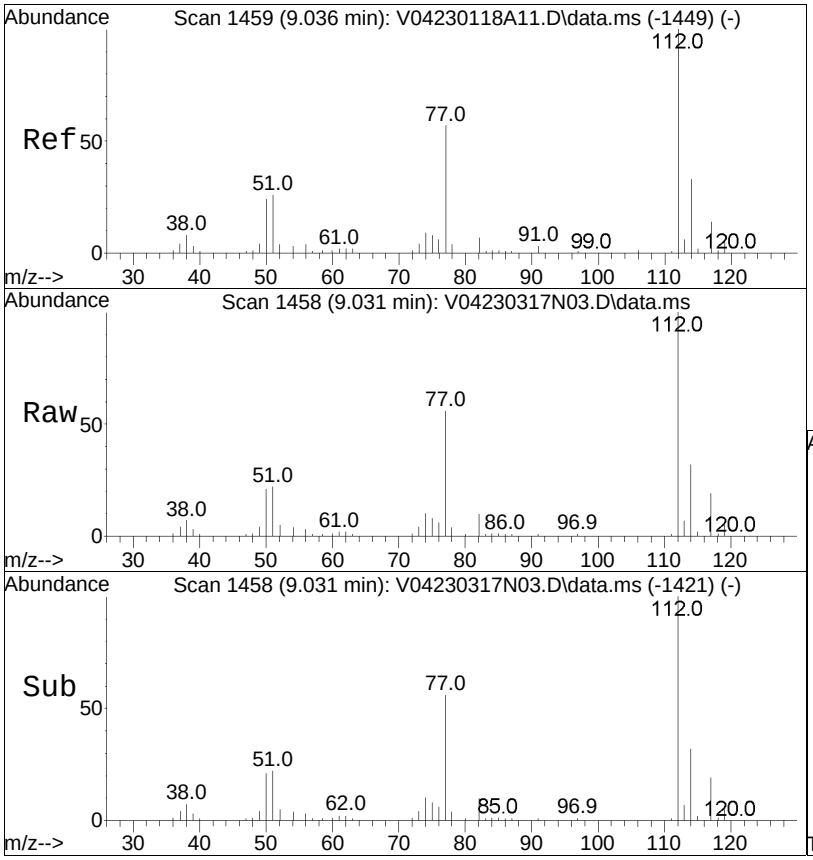


#72
2-Hexanone
Concen: 32.80 ug/L
RT: 8.701 min Scan# 1395
Delta R.T. 0.005 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 43 Resp: 47632

Ion	Ratio	Lower	Upper
43	100		
58	54.5	44.7	67.1
57	19.2	15.4	23.0

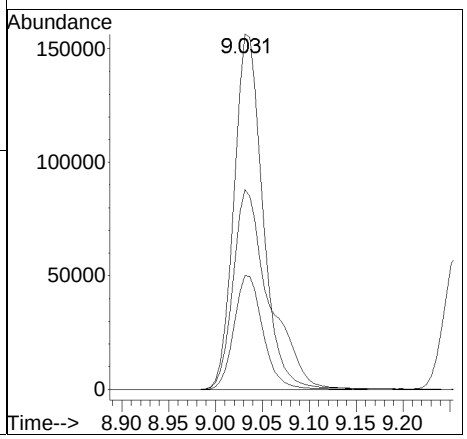


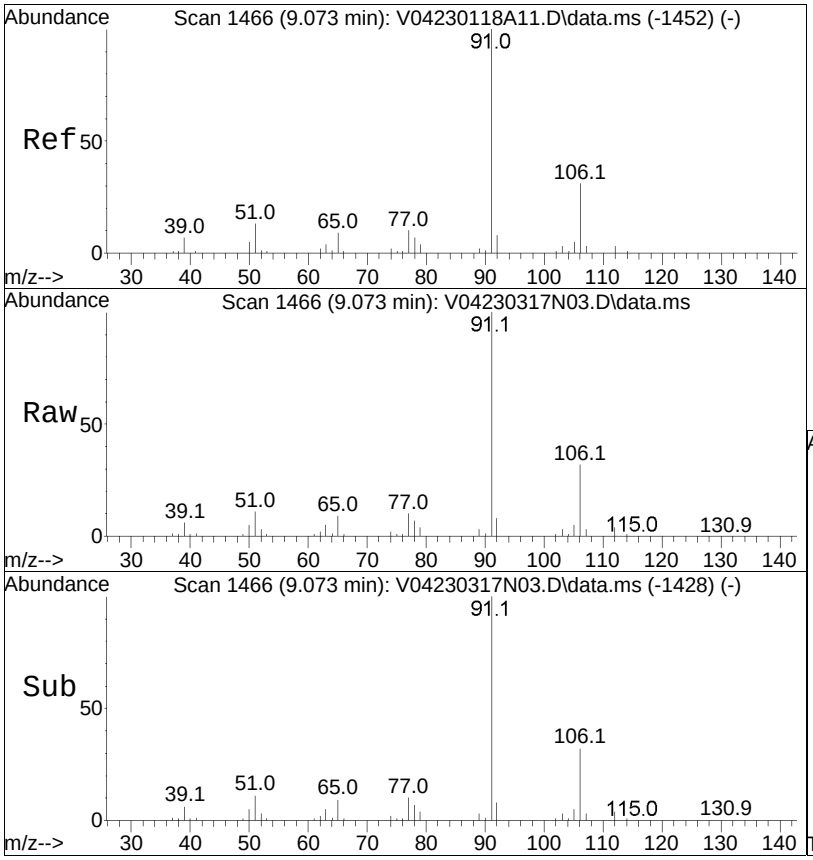


#73
Chlorobenzene
Concen: 44.58 ug/L
RT: 9.031 min Scan# 1458
Delta R.T. -0.005 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:112 Resp: 334294

Ion	Ratio	Lower	Upper
112	100		
77	71.0	55.3	82.9
114	32.3	25.5	38.3

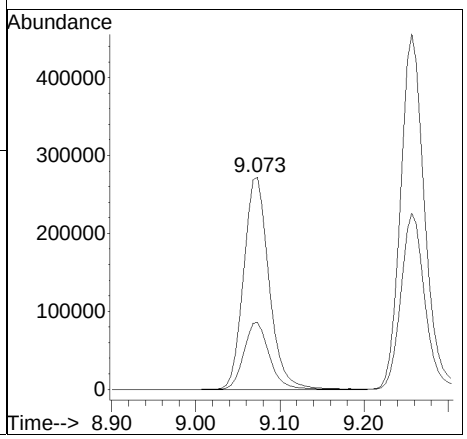


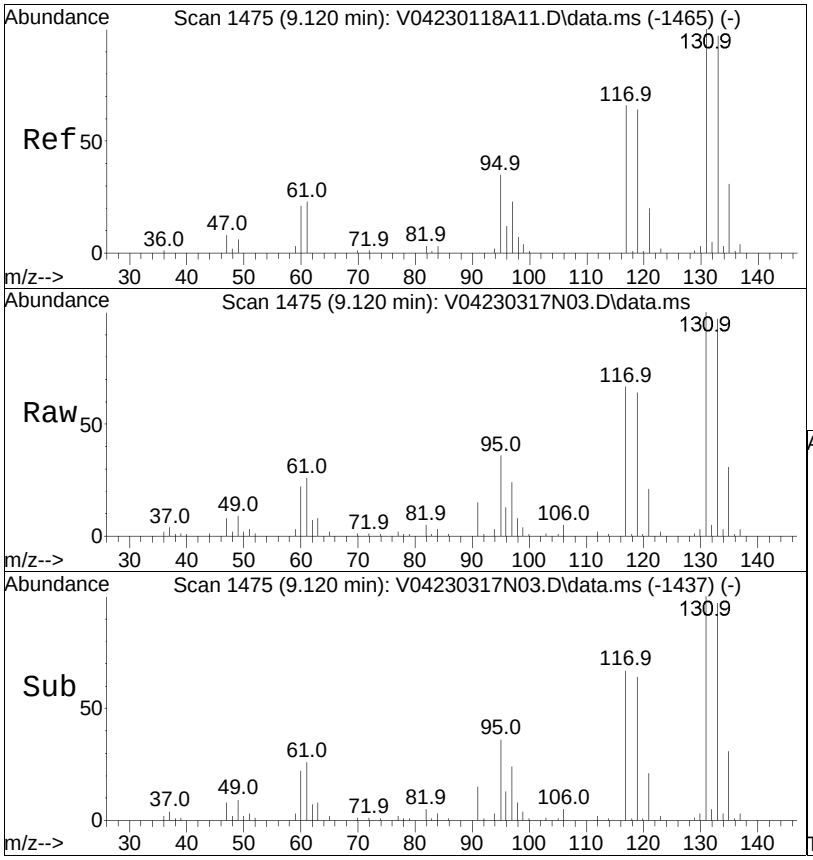


#74
Ethylbenzene
Concen: 45.26 ug/L
RT: 9.073 min Scan# 1466
Delta R.T. 0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 91 Resp: 572634

Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.4	38.2

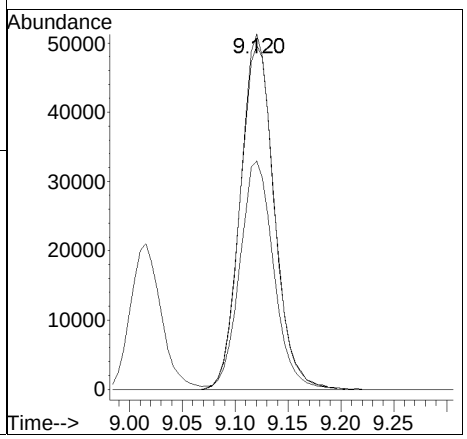


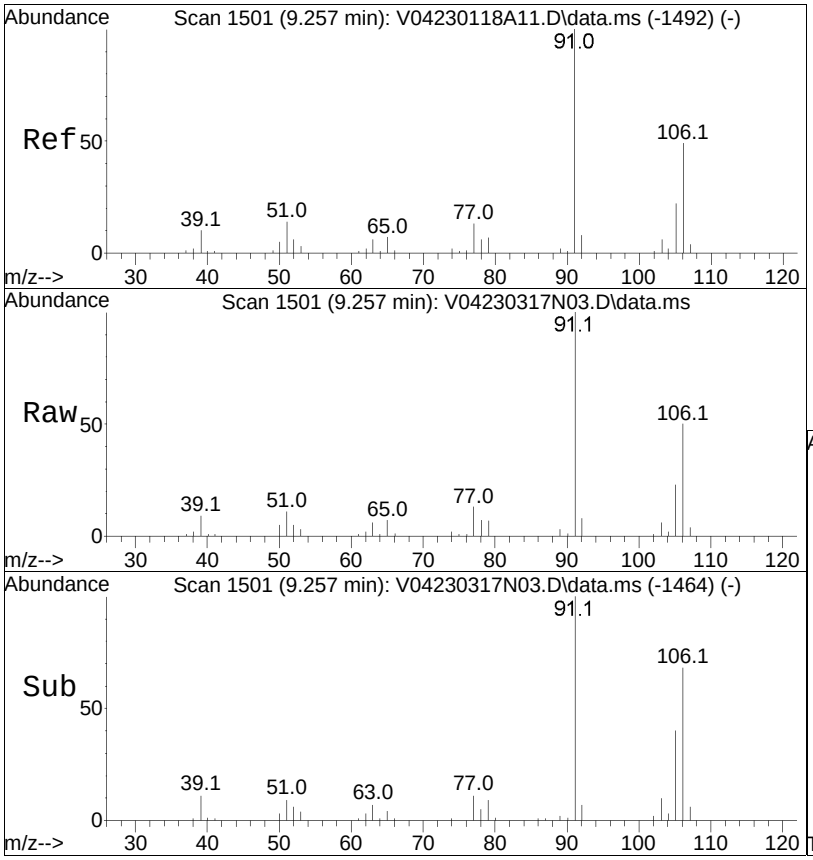


#75
1,1,1,2-Tetrachloroethane
Concen: 46.89 ug/L
RT: 9.120 min Scan# 1475
Delta R.T. 0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:131 Resp: 113776

Ion	Ratio	Lower	Upper
131	100		
133	98.2	77.0	117.0
119	64.9	45.8	85.8

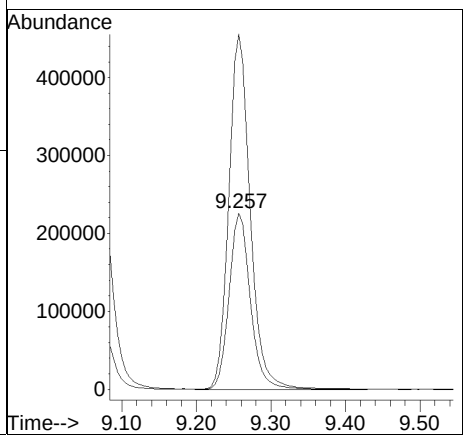


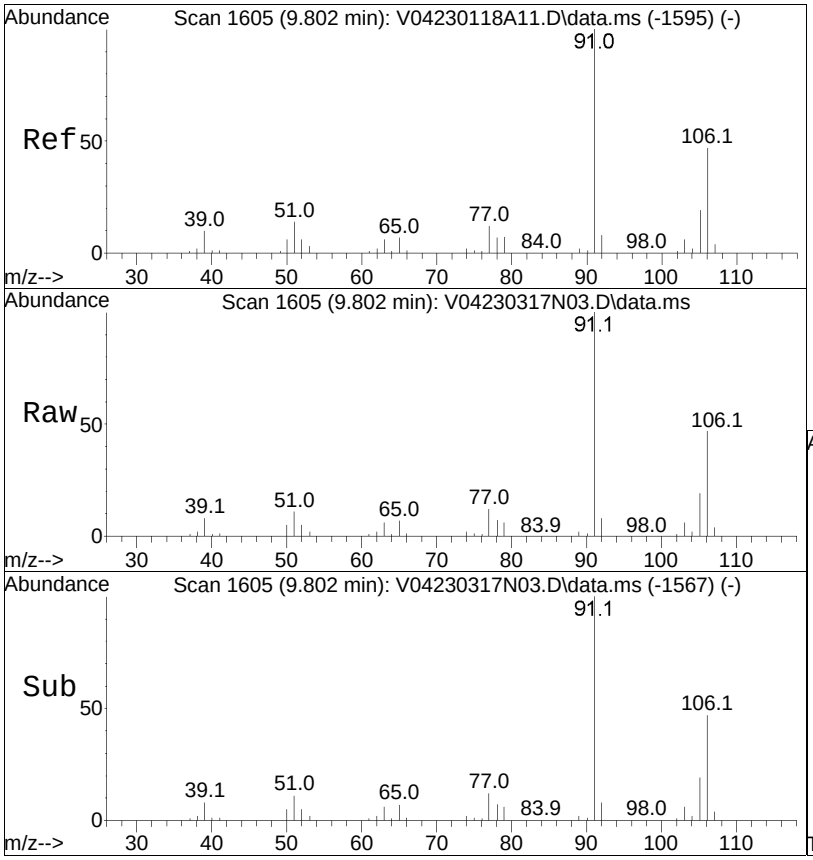


#76
p/m Xylene
Concen: 93.82 ug/L
RT: 9.257 min Scan# 1501
Delta R.T. -0.005 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:106 Resp: 450326

Ion	Ratio	Lower	Upper
106	100		
91	200.6	157.1	235.7

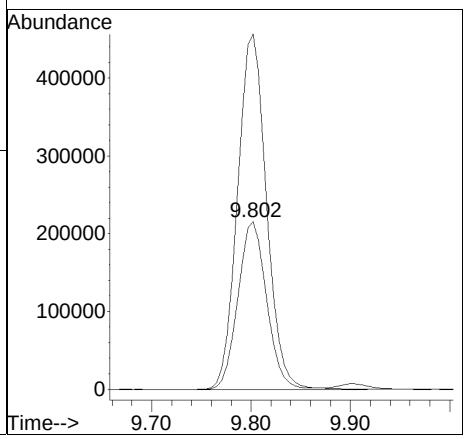


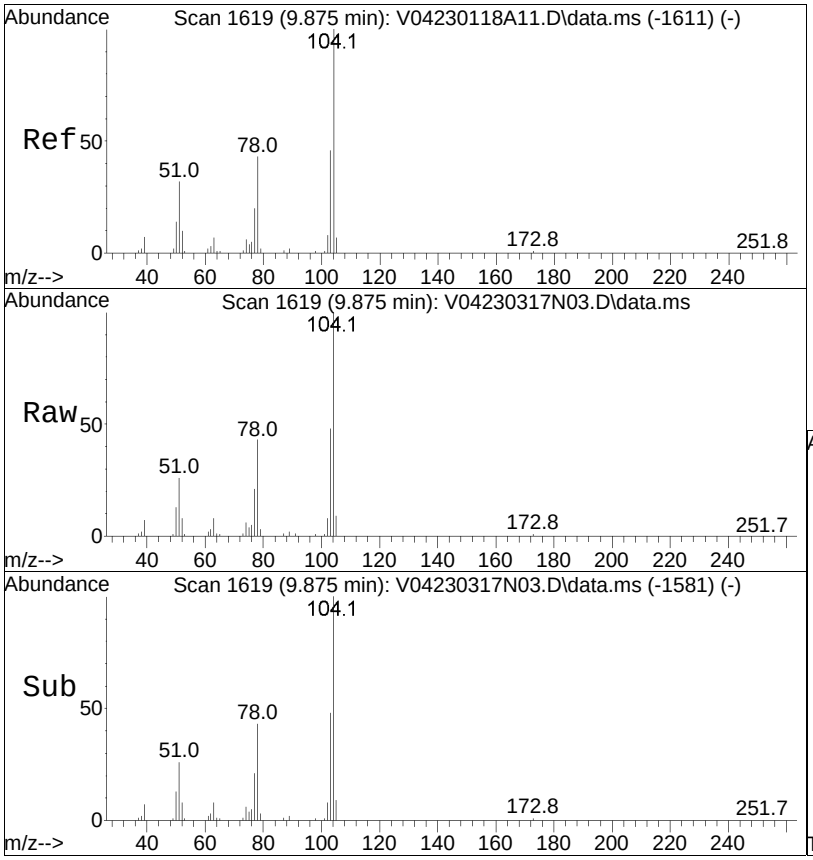


#77
o Xylene
Concen: 94.52 ug/L
RT: 9.802 min Scan# 1605
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:106 Resp: 435525

Ion	Ratio	Lower	Upper
106	100		
91	211.4	165.9	248.9

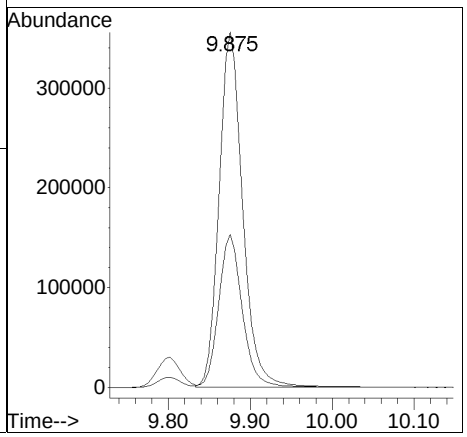


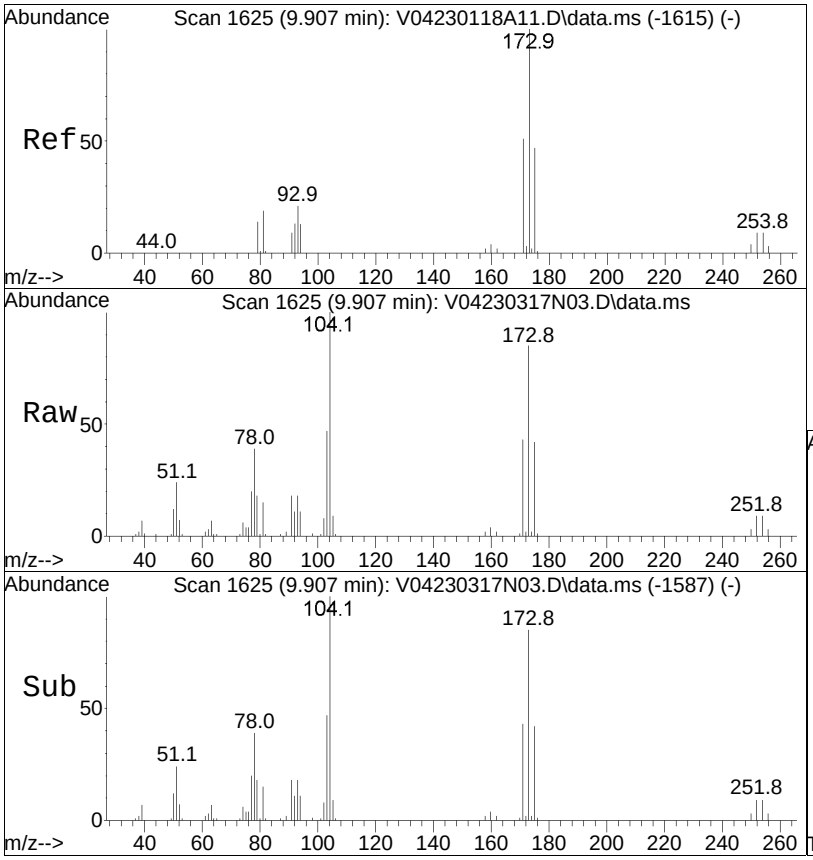


#78
Styrene
Concen: 97.17 ug/L
RT: 9.875 min Scan# 1619
Delta R.T. 0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:104 Resp: 710385

Ion	Ratio	Lower	Upper
104	100		
78	43.3	33.0	49.4

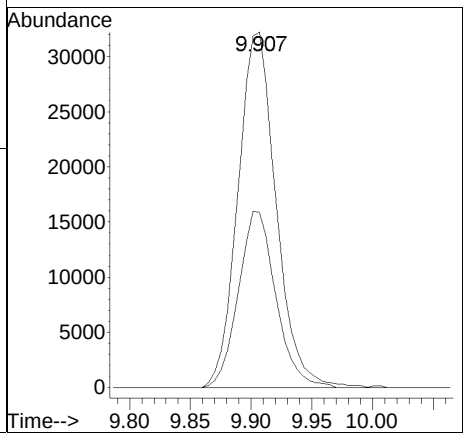


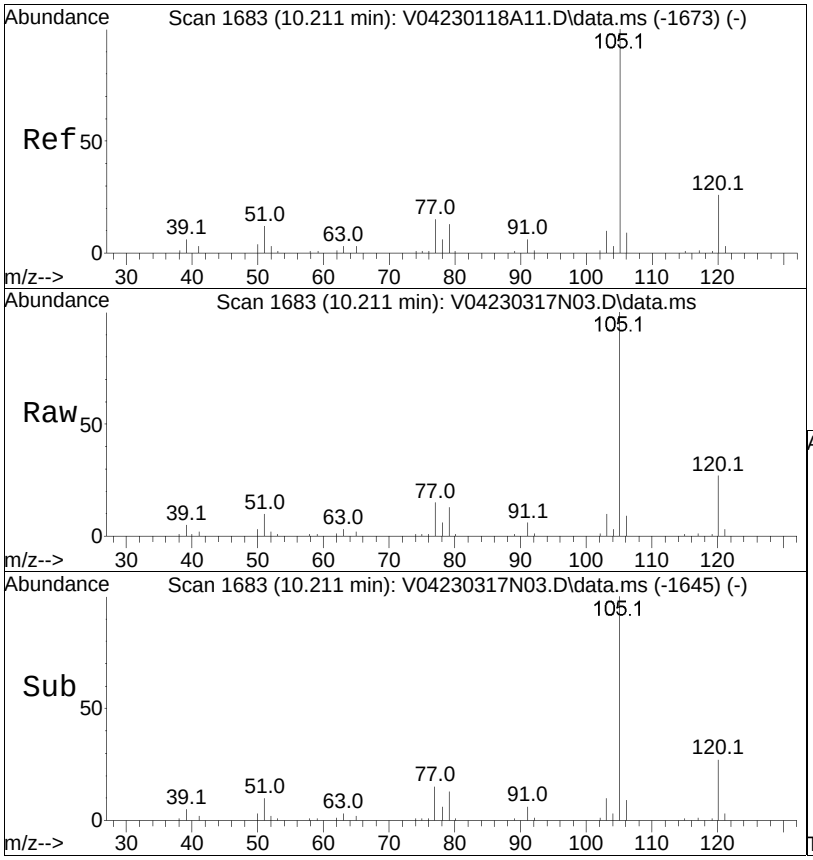


#80
Bromoform
Concen: 42.52 ug/L
RT: 9.907 min Scan# 1625
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:173 Resp: 70409

Ion	Ratio	Lower	Upper
173	100		
175	48.7	28.2	68.2

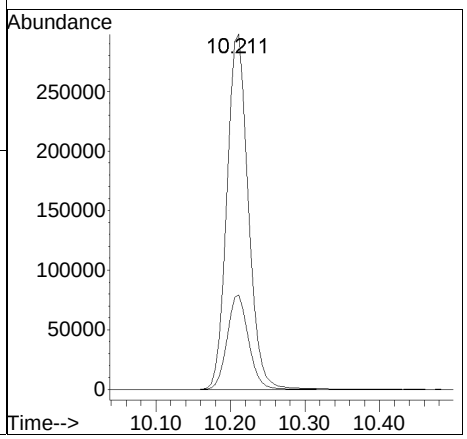


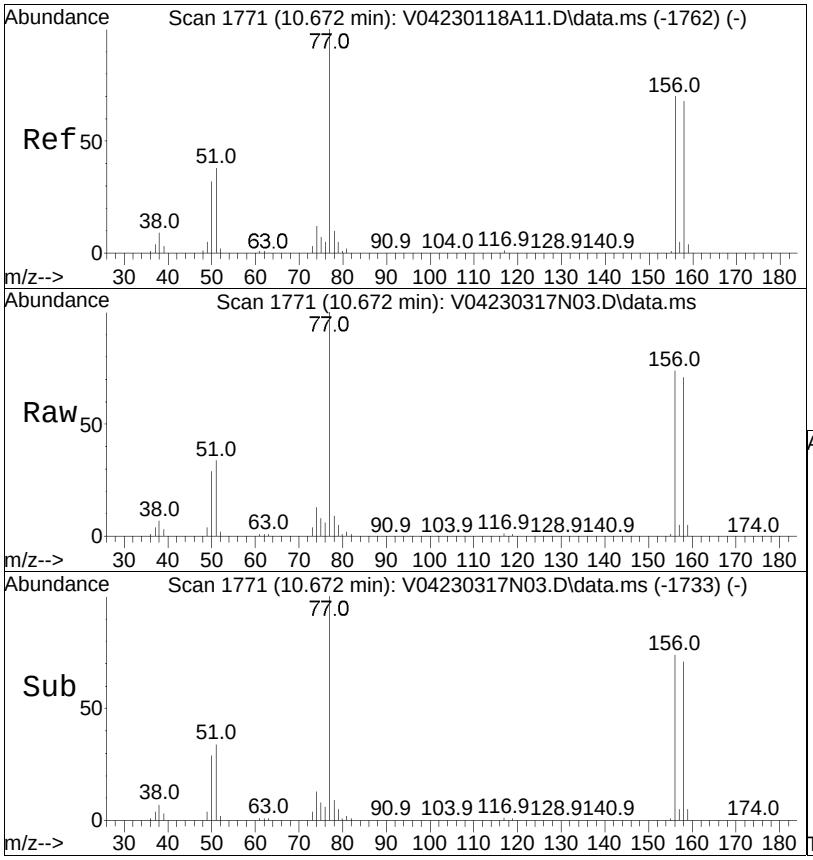


#82
Isopropylbenzene
Concen: 46.69 ug/L
RT: 10.211 min Scan# 1683
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:105 Resp: 595172

Ion	Ratio	Lower	Upper
105	100		
120	26.5	6.0	46.0

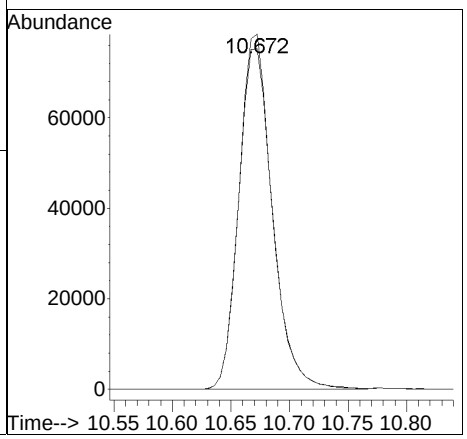


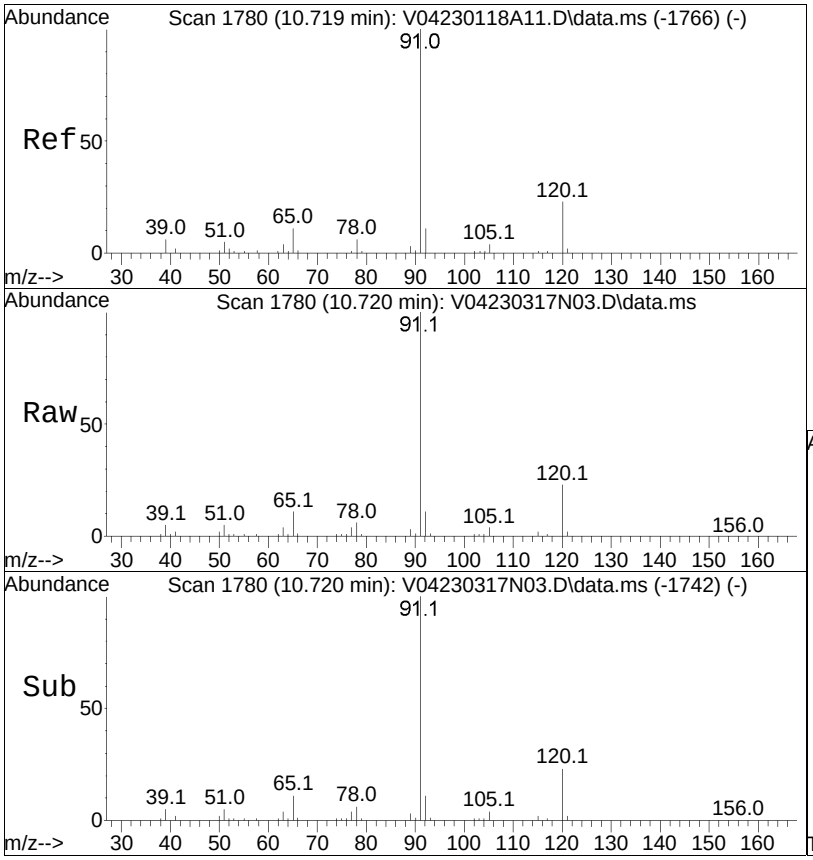


#84
Bromobenzene
Concen: 45.49 ug/L
RT: 10.672 min Scan# 1771
Delta R.T. 0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:156 Resp: 155233

Ion	Ratio	Lower	Upper
156	100		
158	98.0	79.0	118.4

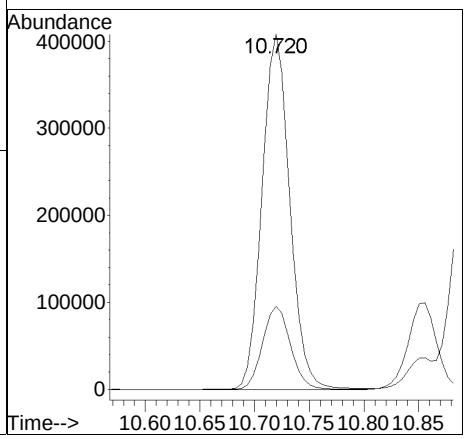


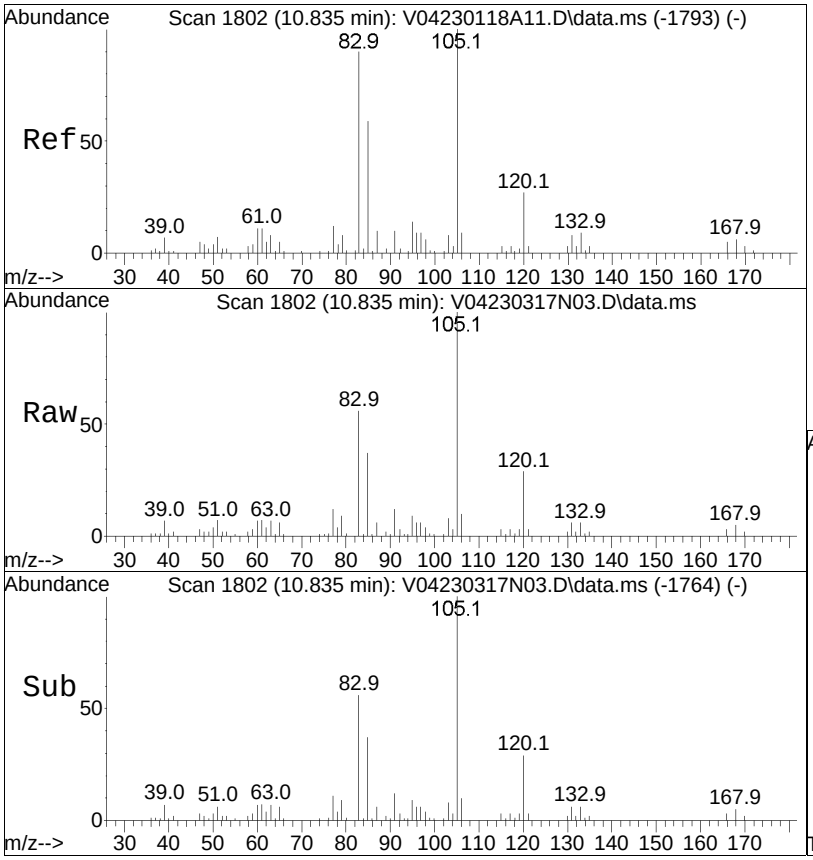


#85
n-Propylbenzene
Concen: 46.01 ug/L
RT: 10.720 min Scan# 1780
Delta R.T. 0.001 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 91 Resp: 720726

Ion	Ratio	Lower	Upper
91	100		
120	23.5	18.9	28.3

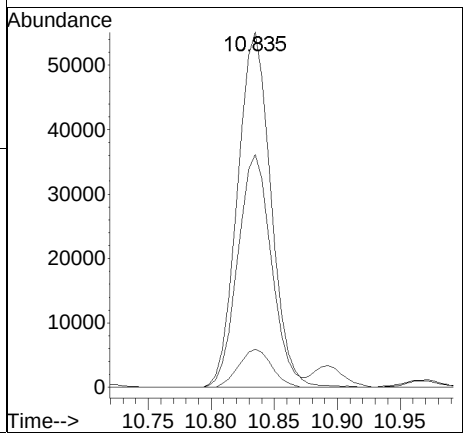


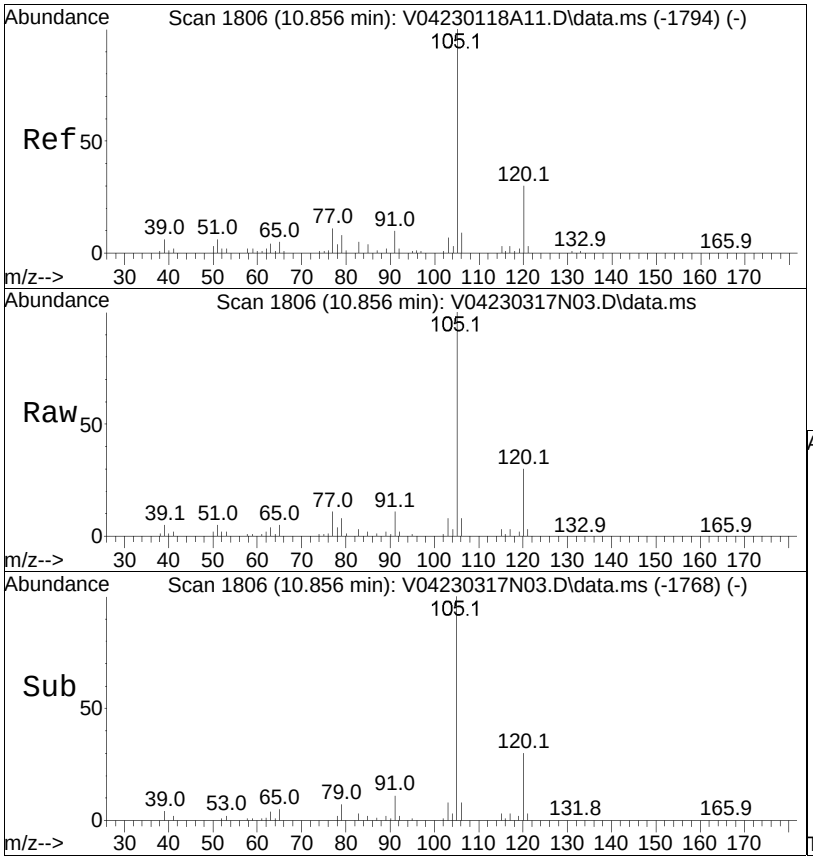


#87
1,1,2,2-Tetrachloroethane
Concen: 39.85 ug/L
RT: 10.835 min Scan# 1802
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 83 Resp: 101770

Ion	Ratio	Lower	Upper
83	100		
131	10.6	0.0	30.7
85	66.1	44.7	84.7

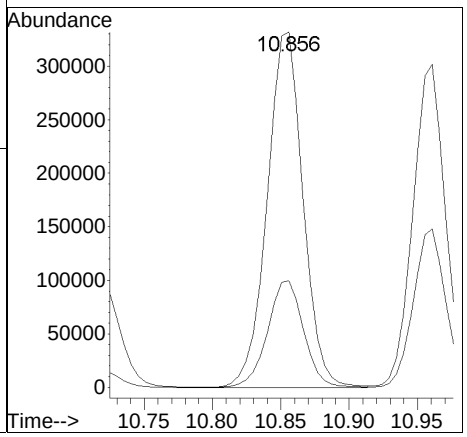


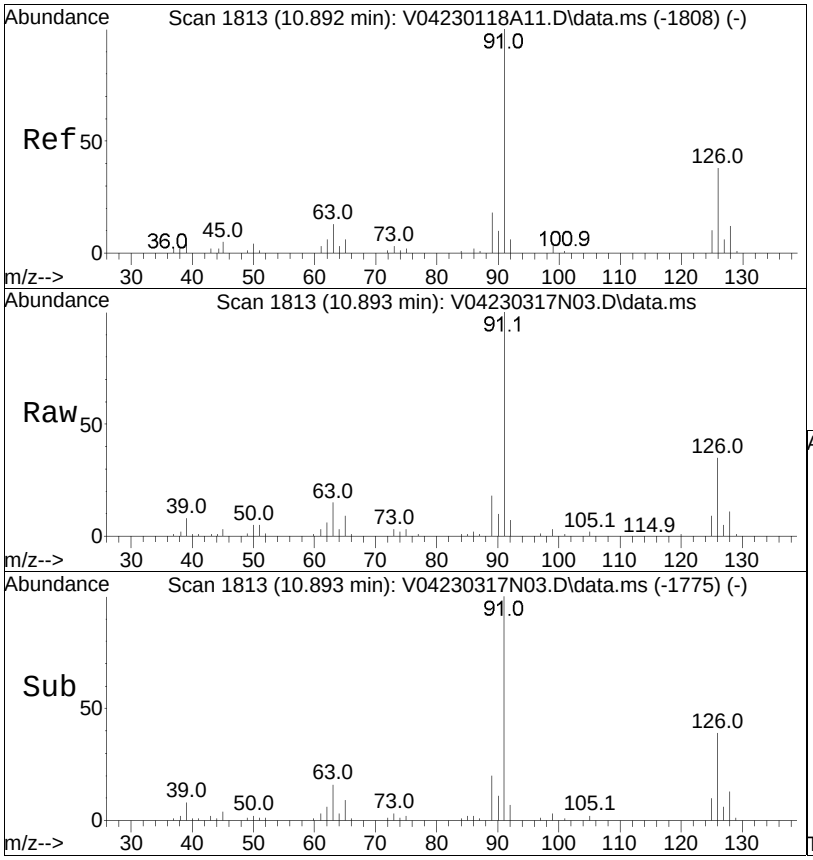


#88
4-Ethyltoluene
Concen: 47.03 ug/L
RT: 10.856 min Scan# 1806
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:105 Resp: 604779

Ion	Ratio	Lower	Upper
105	100		
120	30.0	19.2	40.0

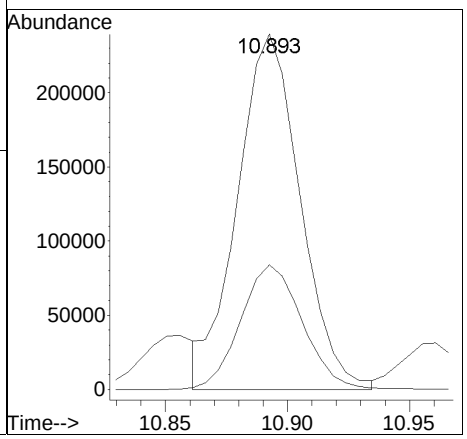


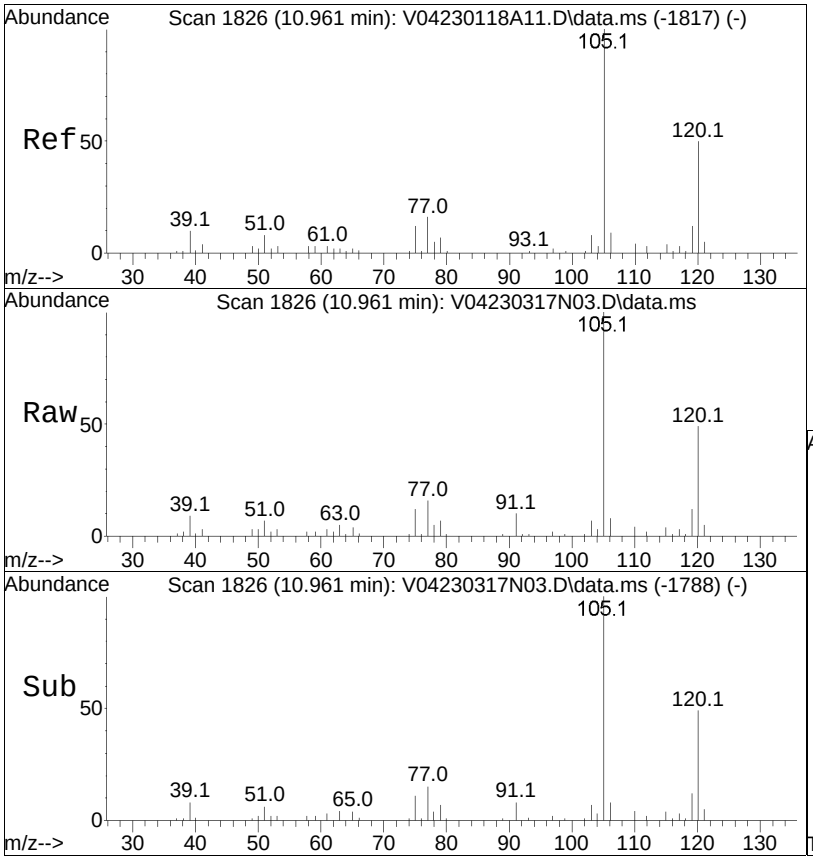


#89
2-Chlorotoluene
Concen: 46.33 ug/L M6
RT: 10.893 min Scan# 1813
Delta R.T. 0.001 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 91 Resp: 429321

Ion	Ratio	Lower	Upper
91	100		
126	34.5	27.8	41.8

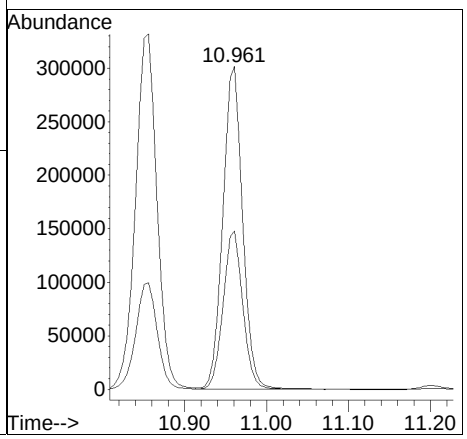


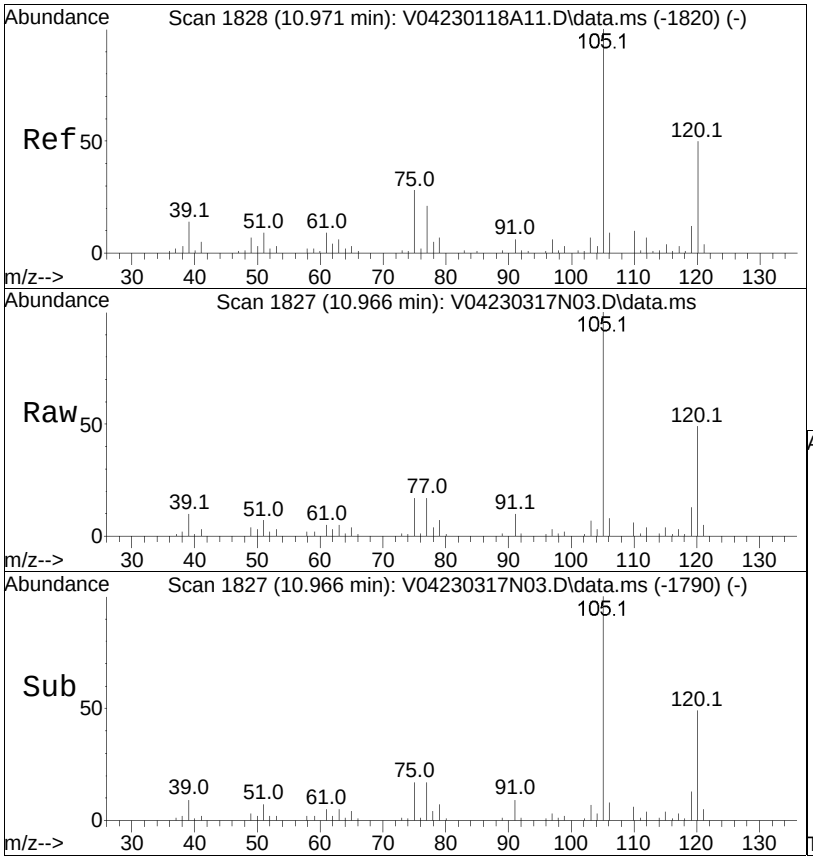


#90
1,3,5-Trimethylbenzene
Concen: 46.28 ug/L
RT: 10.961 min Scan# 1826
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:105 Resp: 504848

Ion	Ratio	Lower	Upper
105	100		
120	48.5	38.4	57.6

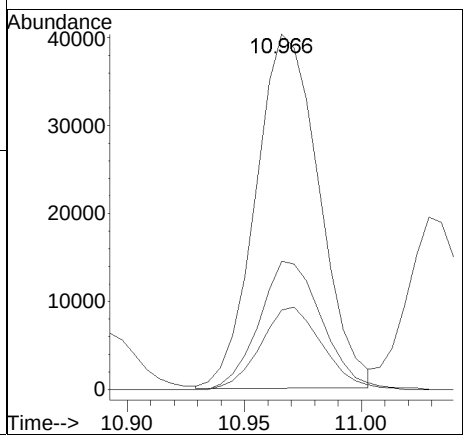


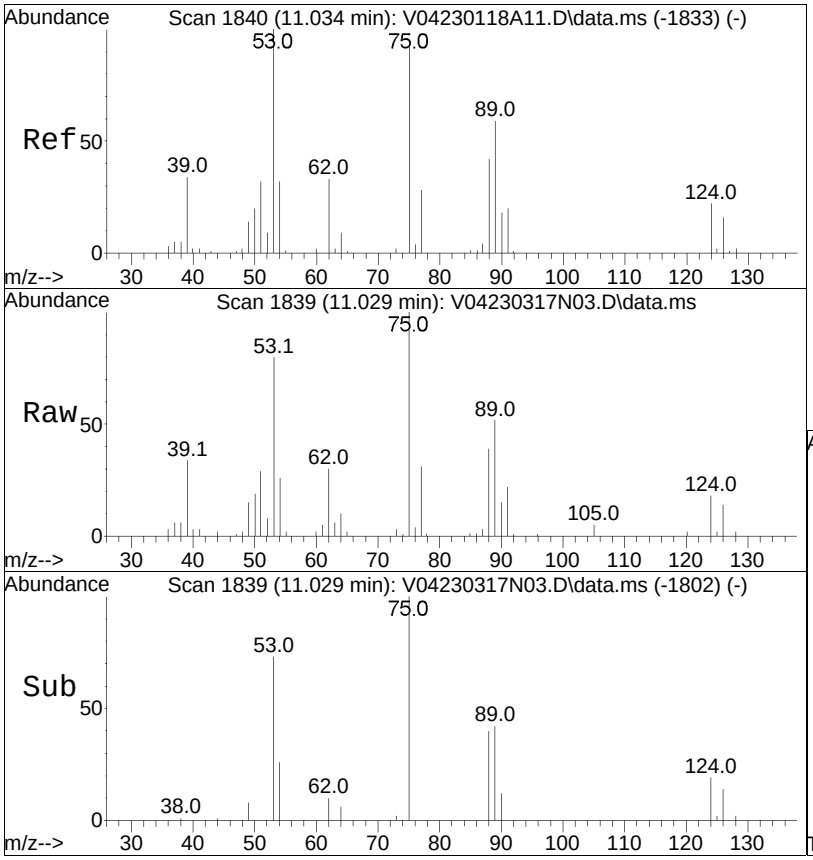


#91
1,2,3-Trichloropropane
Concen: 40.60 ug/L
RT: 10.966 min Scan# 1827
Delta R.T. -0.005 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 75 Resp: 75897

Ion	Ratio	Lower	Upper
75	100		
110	35.8	24.6	51.2
112	22.6	15.5	32.3

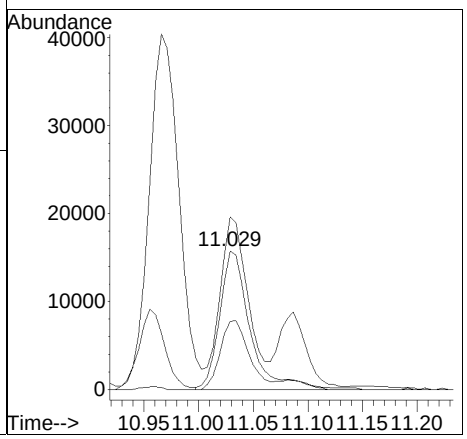


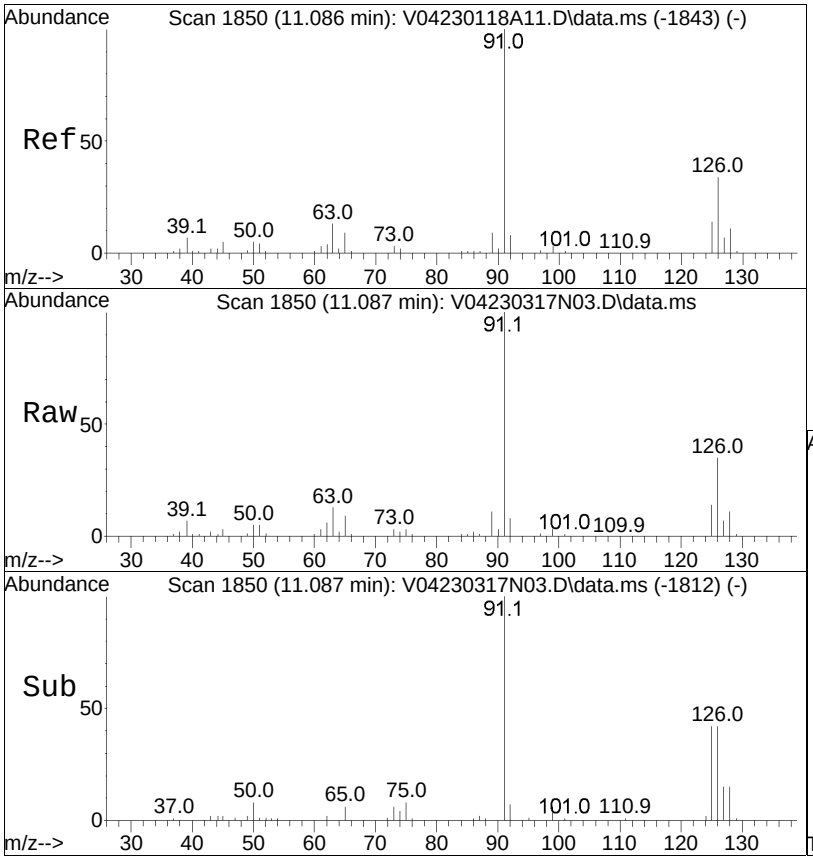


#92
trans-1,4-Dichloro-2-butene
Concen: 39.02 ug/L
RT: 11.029 min Scan# 1839
Delta R.T. -0.005 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 53 Resp: 30607

Ion	Ratio	Lower	Upper
53	100		
88	47.4	35.5	53.3
75	113.6	82.8	124.2

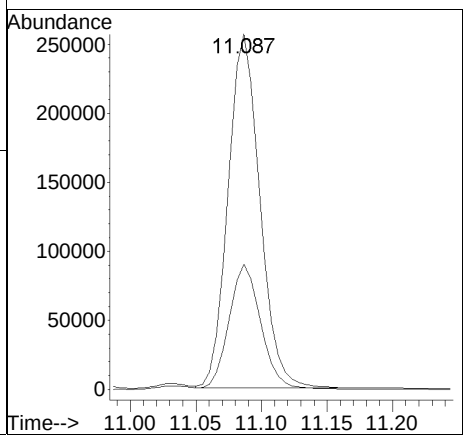


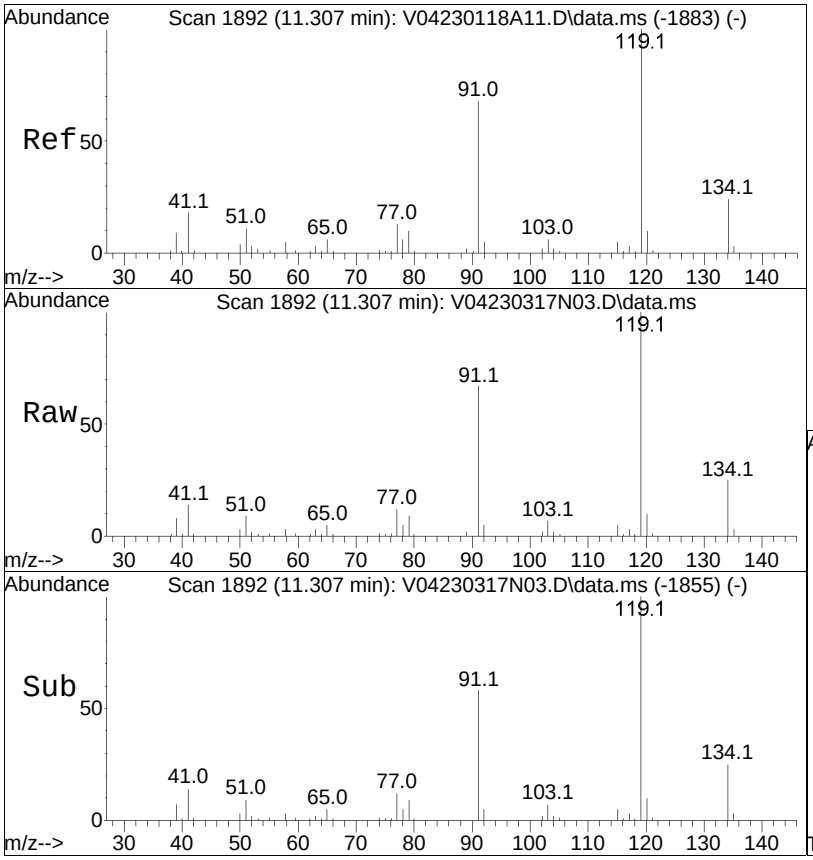


#93
4-Chlorotoluene
Concen: 45.70 ug/L
RT: 11.087 min Scan# 1850
Delta R.T. 0.001 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 91 Resp: 433530

Ion	Ratio	Lower	Upper
91	100		
126	35.7	27.6	41.4

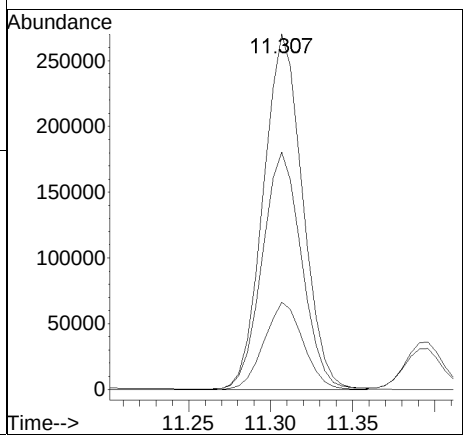


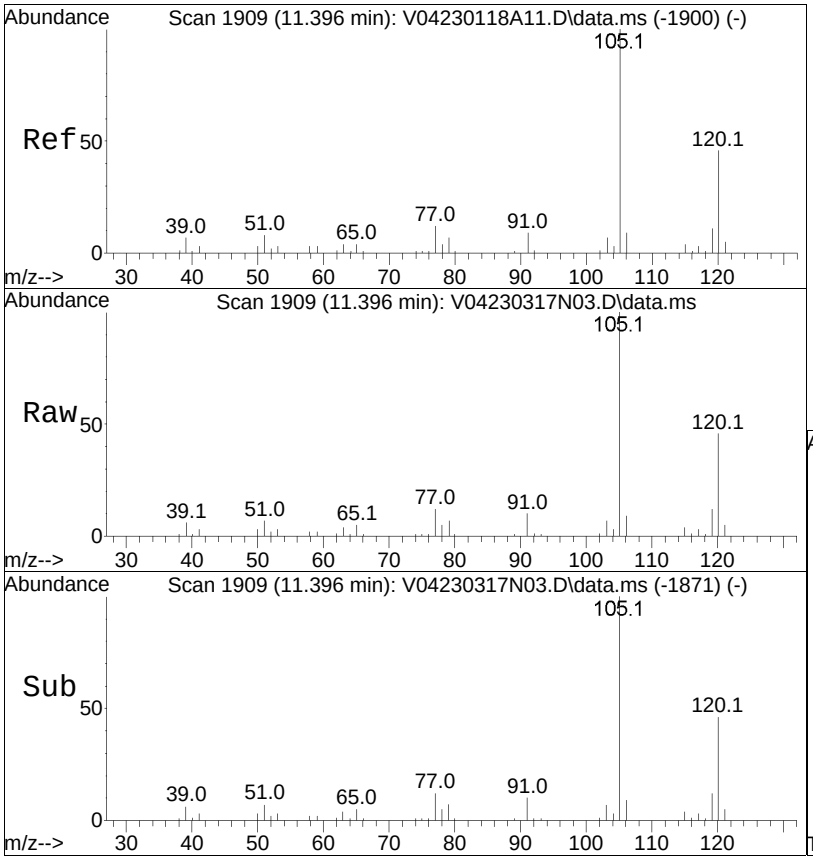


#94
tert-Butylbenzene
Concen: 47.21 ug/L
RT: 11.307 min Scan# 1892
Delta R.T. -0.005 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:119 Resp: 449702

Ion	Ratio	Lower	Upper
119	100		
91	66.8	53.0	79.6
134	24.4	19.6	29.4

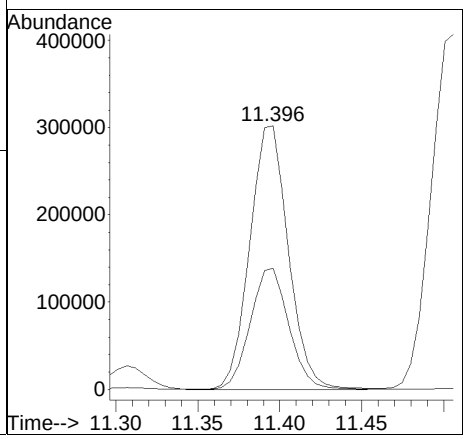


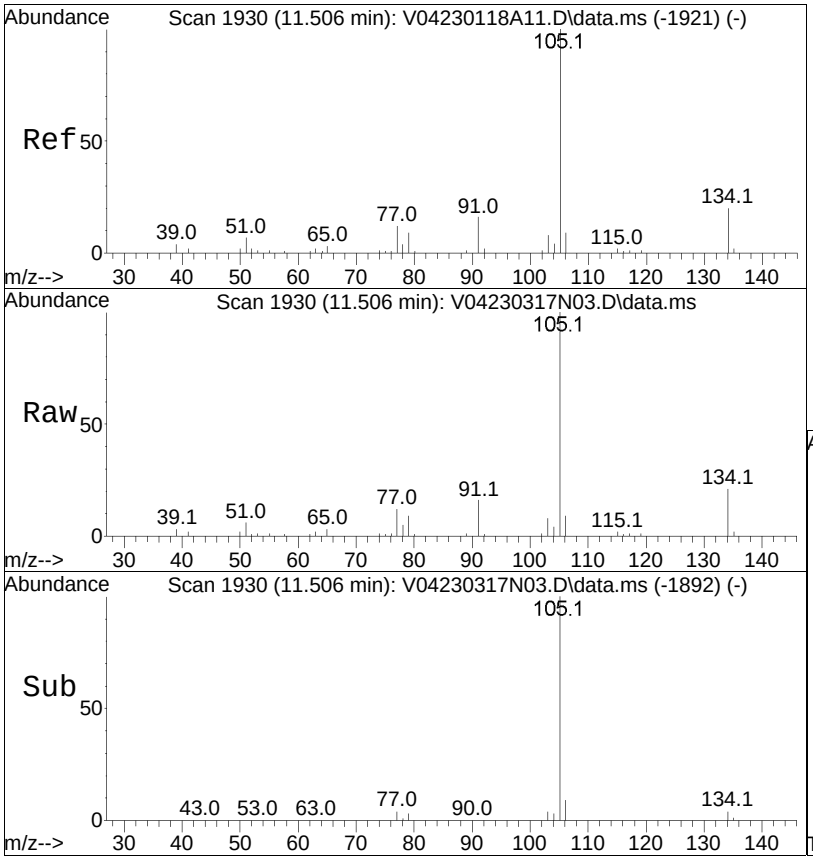


#97
1,2,4-Trimethylbenzene
Concen: 45.89 ug/L
RT: 11.396 min Scan# 1909
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:105 Resp: 494918

Ion	Ratio	Lower	Upper
105	100		
120	45.9	36.4	54.6

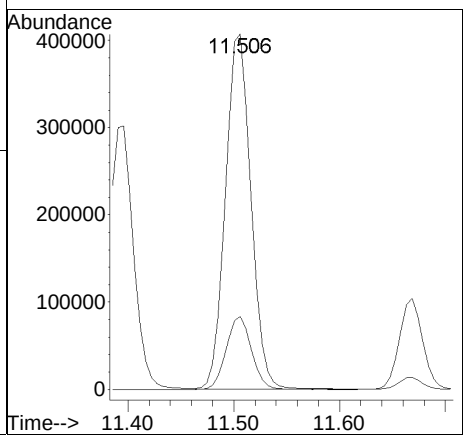


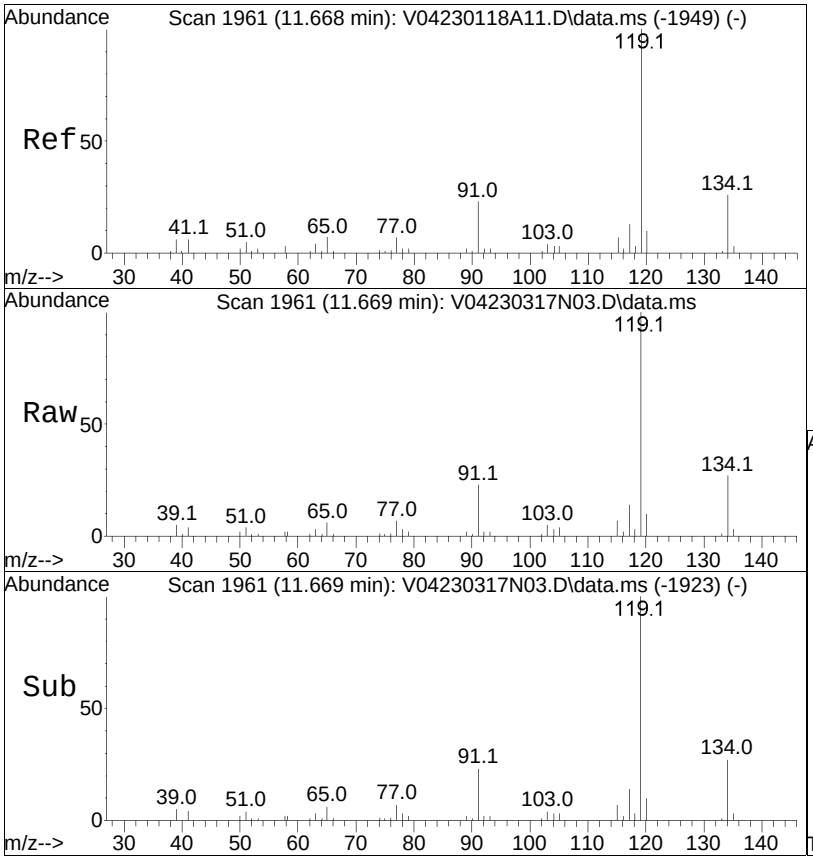


#98
sec-Butylbenzene
Concen: 47.09 ug/L
RT: 11.506 min Scan# 1930
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:105 Resp: 680115

Ion	Ratio	Lower	Upper
105	100		
134	20.3	12.9	26.9

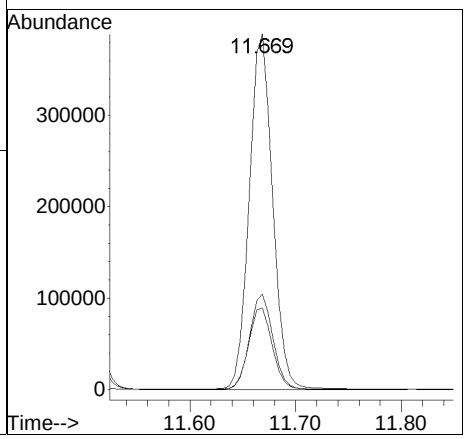


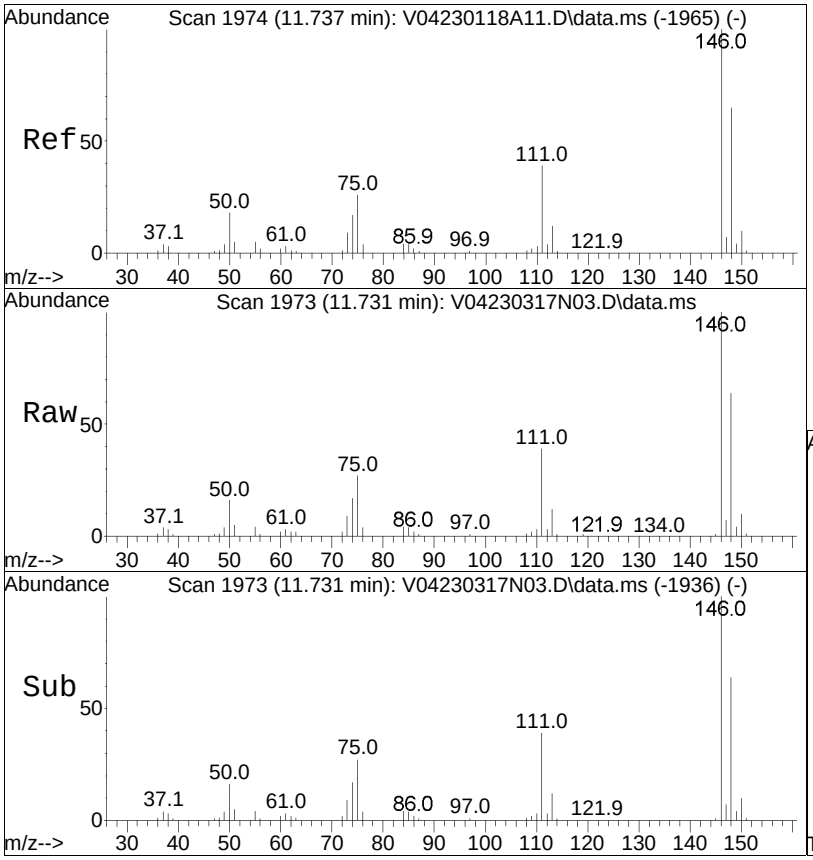


#99
p-Isopropyltoluene
Concen: 48.42 ug/L
RT: 11.669 min Scan# 1961
Delta R.T. 0.001 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:119 Resp: 598364

Ion	Ratio	Lower	Upper
119	100		
134	26.8	17.1	35.5
91	23.5	14.8	30.6

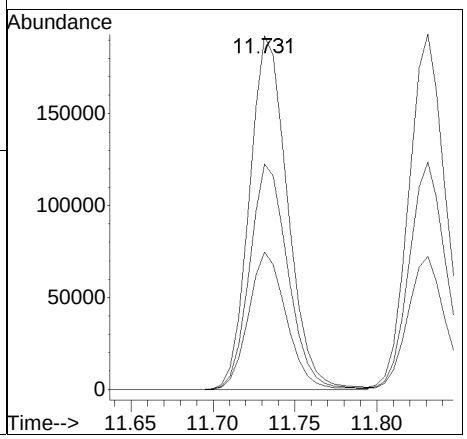


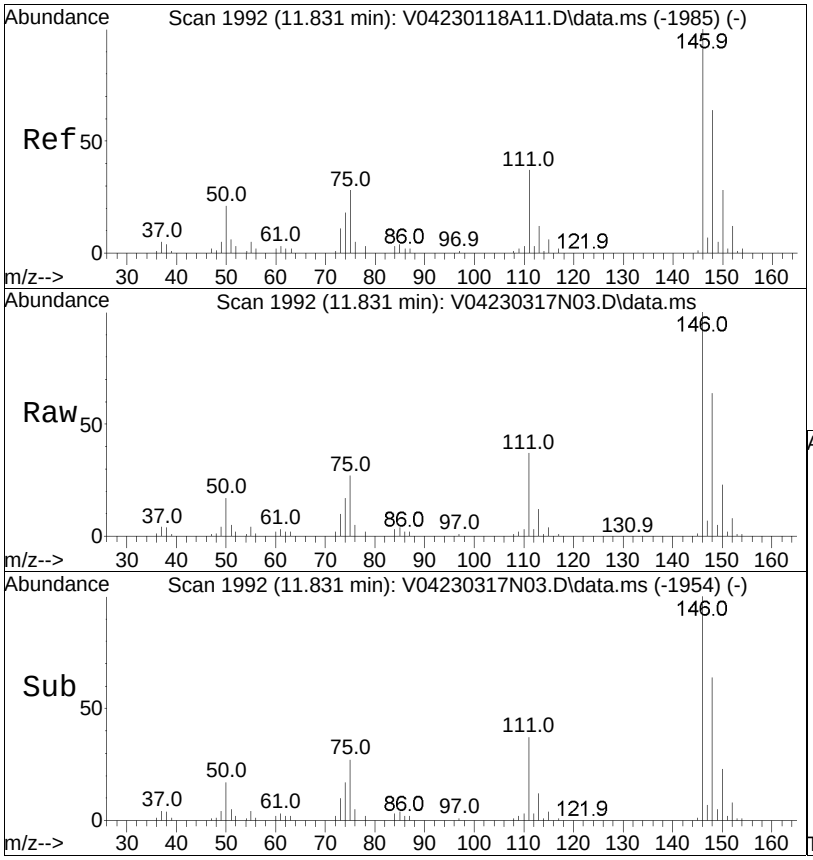


#100
1,3-Dichlorobenzene
Concen: 47.08 ug/L
RT: 11.731 min Scan# 1973
Delta R.T. -0.006 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:146 Resp: 311029

Ion	Ratio	Lower	Upper
146	100		
111	38.4	24.8	51.6
148	63.8	41.6	86.4

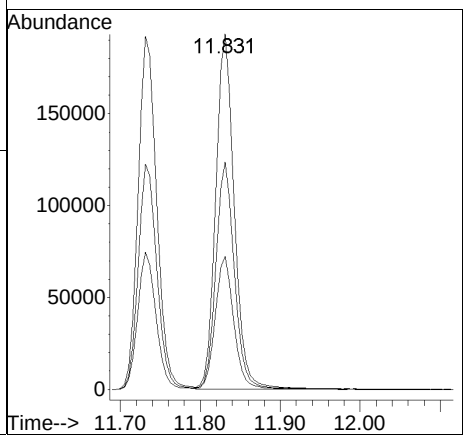


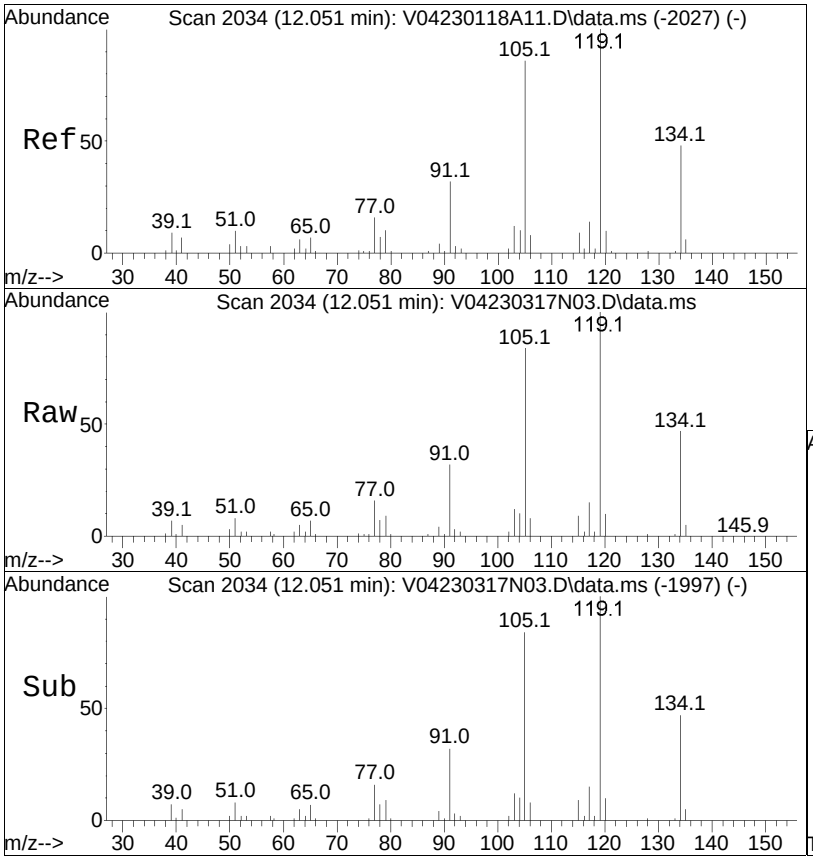


#101
1,4-Dichlorobenzene
Concen: 45.75 ug/L
RT: 11.831 min Scan# 1992
Delta R.T. 0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:146 Resp: 312730

Ion	Ratio	Lower	Upper
146	100		
111	37.8	30.2	45.2
148	64.1	50.6	76.0

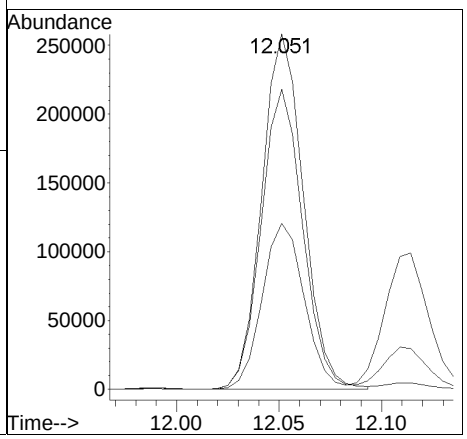


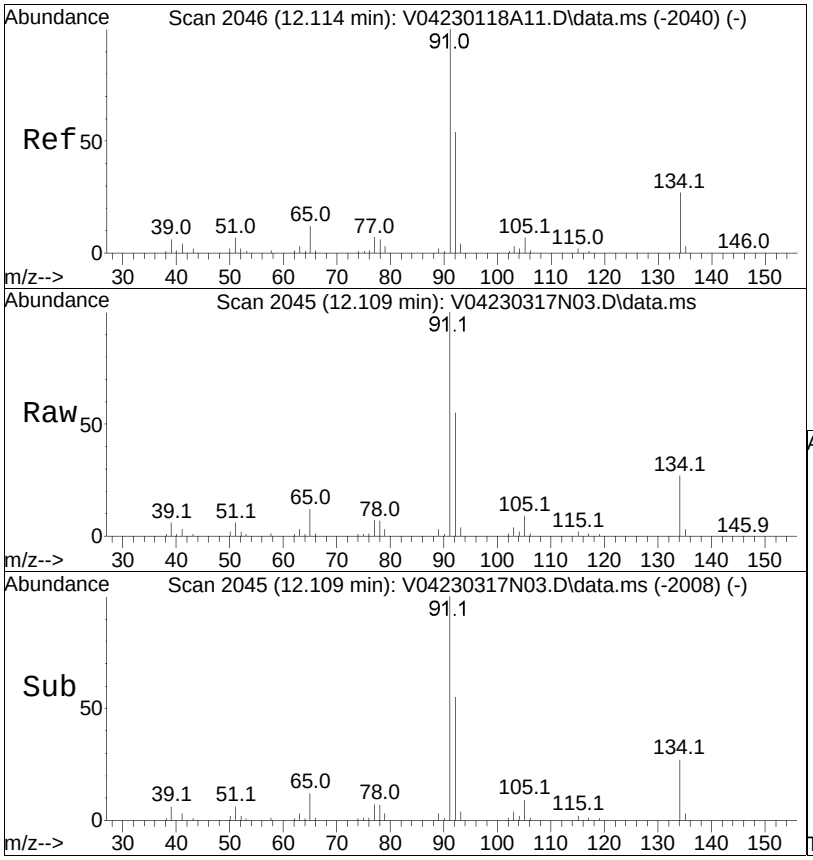


#102
p-Diethylbenzene
Concen: 48.18 ug/L
RT: 12.051 min Scan# 2034
Delta R.T. -0.005 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:119 Resp: 363514

Ion	Ratio	Lower	Upper
119	100		
105	84.5	55.6	115.6
134	47.5	30.7	63.9

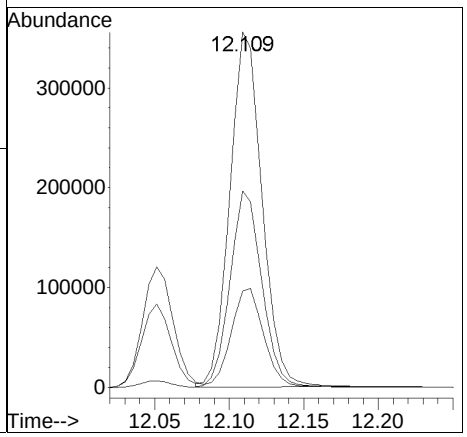


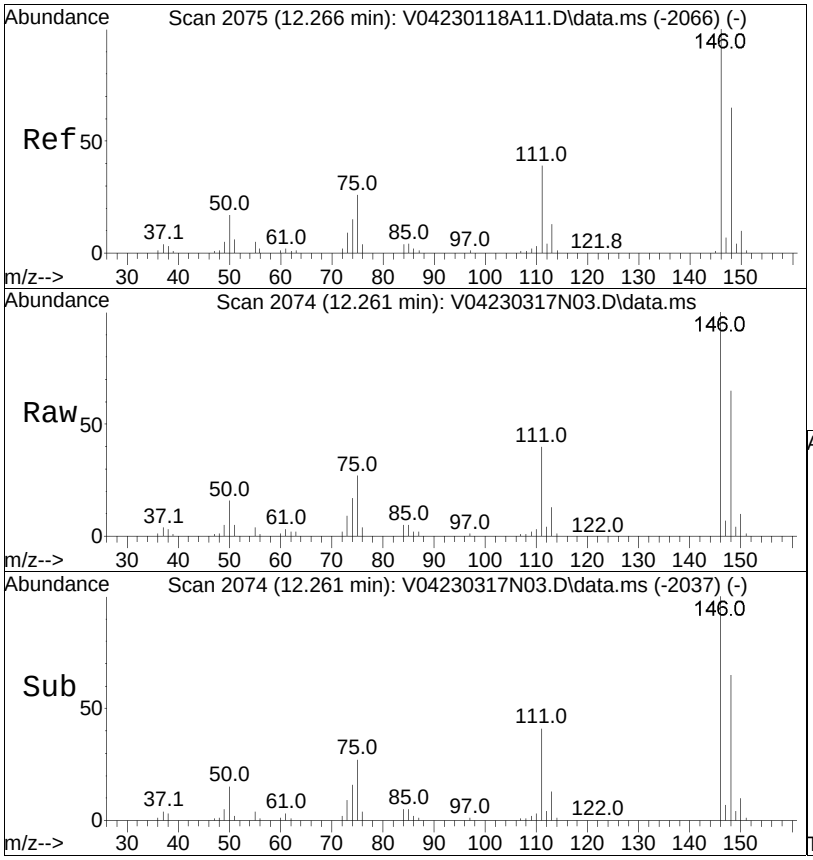


#103
n-Butylbenzene
Concen: 48.21 ug/L
RT: 12.109 min Scan# 2045
Delta R.T. -0.005 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion: 91 Resp: 534008

Ion	Ratio	Lower	Upper
91	100		
92	54.9	43.4	65.2
134	28.1	21.5	32.3

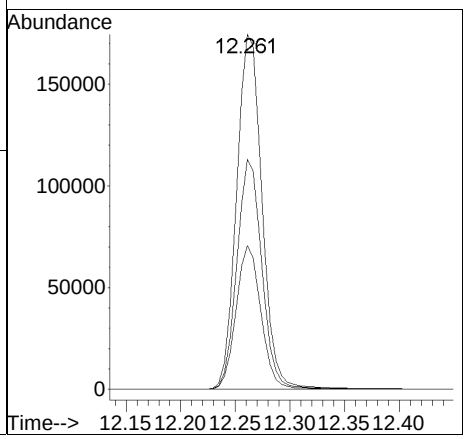


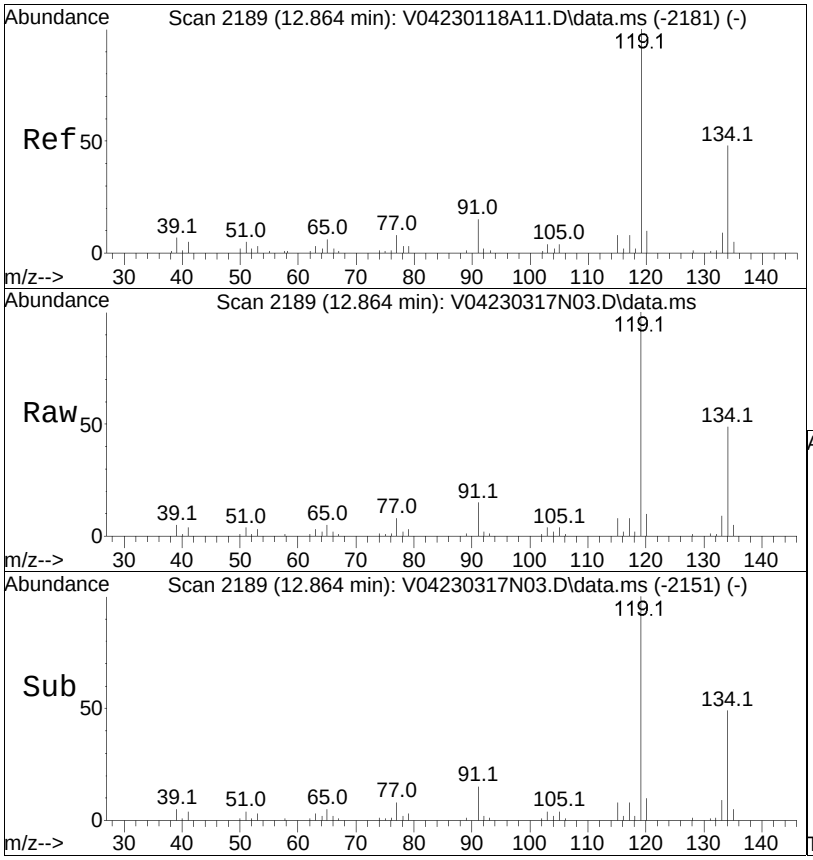


#104
1,2-Dichlorobenzene
Concen: 46.00 ug/L
RT: 12.261 min Scan# 2074
Delta R.T. -0.005 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:146 Resp: 283628

Ion	Ratio	Lower	Upper
146	100		
111	39.8	25.5	52.9
148	63.8	40.8	84.8

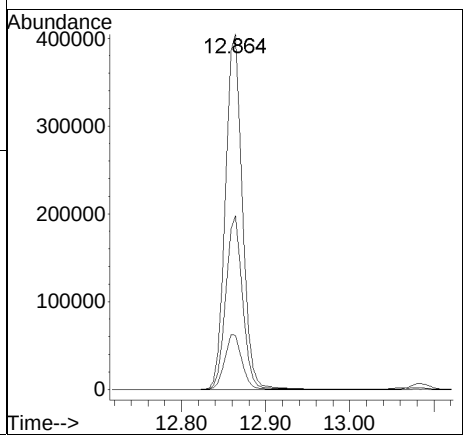


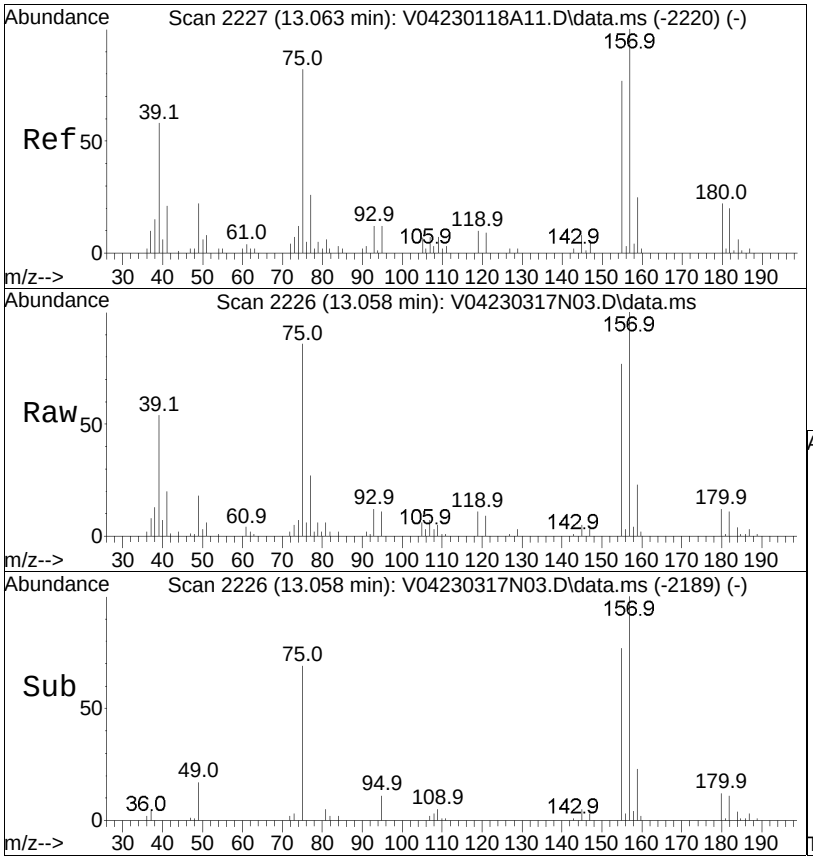


#105
1,2,4,5-Tetramethylbenzene
Concen: 48.21 ug/L
RT: 12.864 min Scan# 2189
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:119 Resp: 566609

Ion	Ratio	Lower	Upper
119	100		
134	48.3	31.3	64.9
91	15.7	10.1	21.1

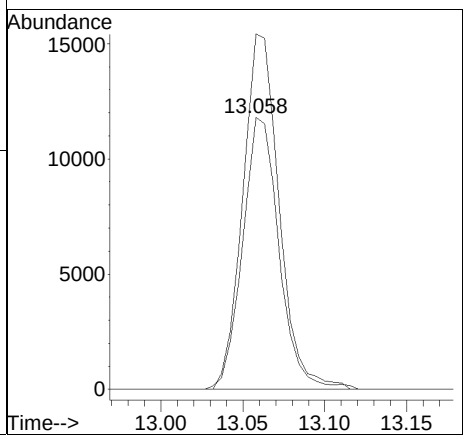


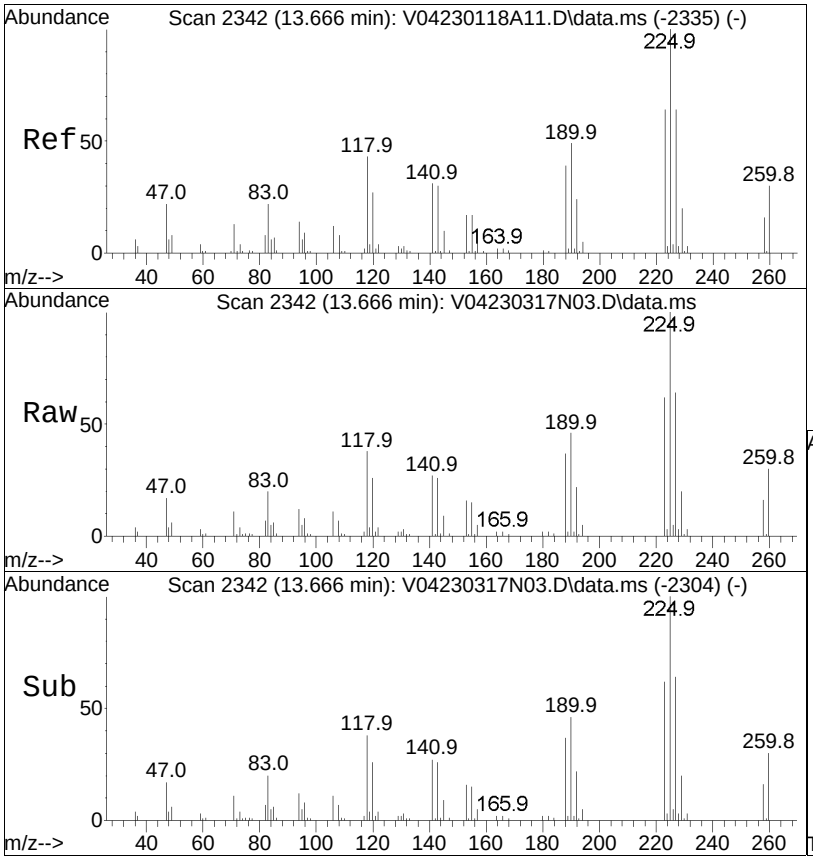


#106
1,2-Dibromo-3-chloropropane
Concen: 41.30 ug/L
RT: 13.058 min Scan# 2226
Delta R.T. -0.005 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:155 Resp: 18267

Ion	Ratio	Lower	Upper
155	100		
157	130.3	103.2	154.8

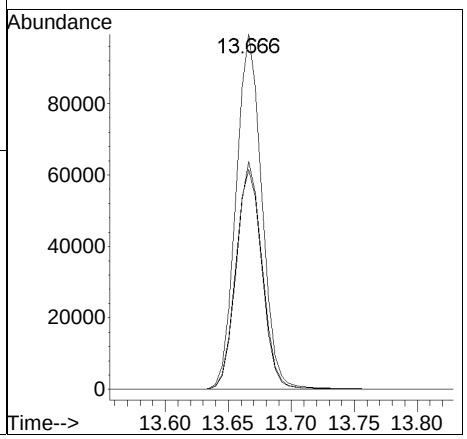


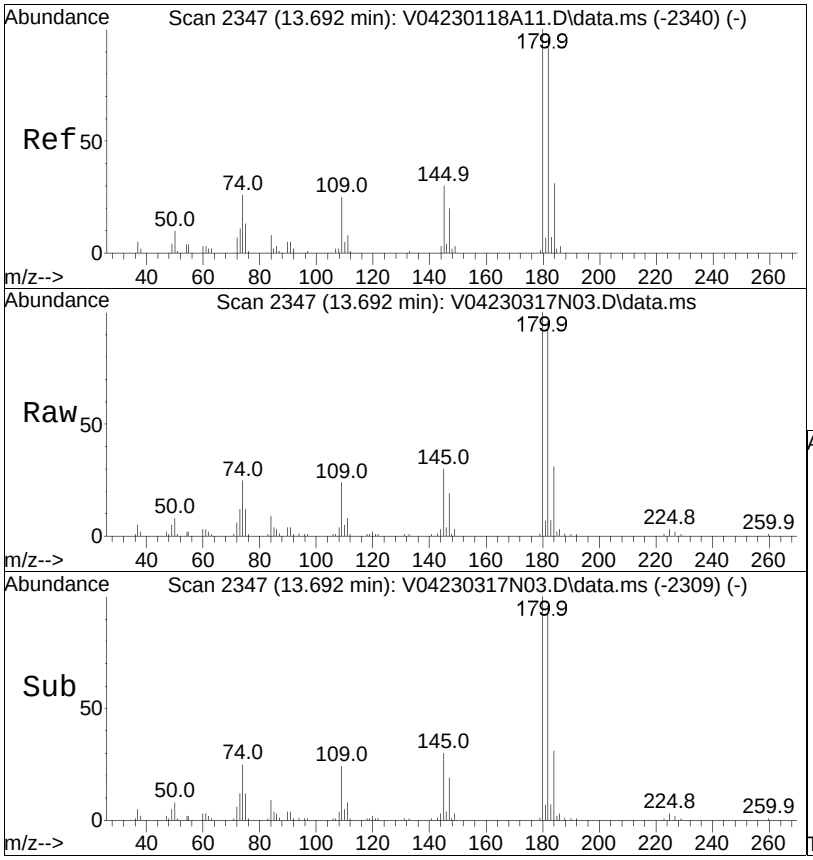


#108
Hexachlorobutadiene
Concen: 53.79 ug/L
RT: 13.666 min Scan# 2342
Delta R.T. 0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:225 Resp: 141901

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.7	76.1
227	63.9	50.7	76.1

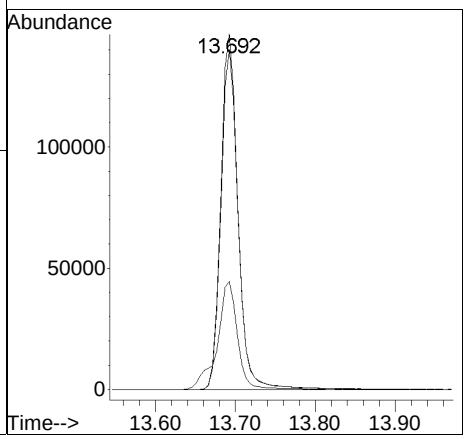


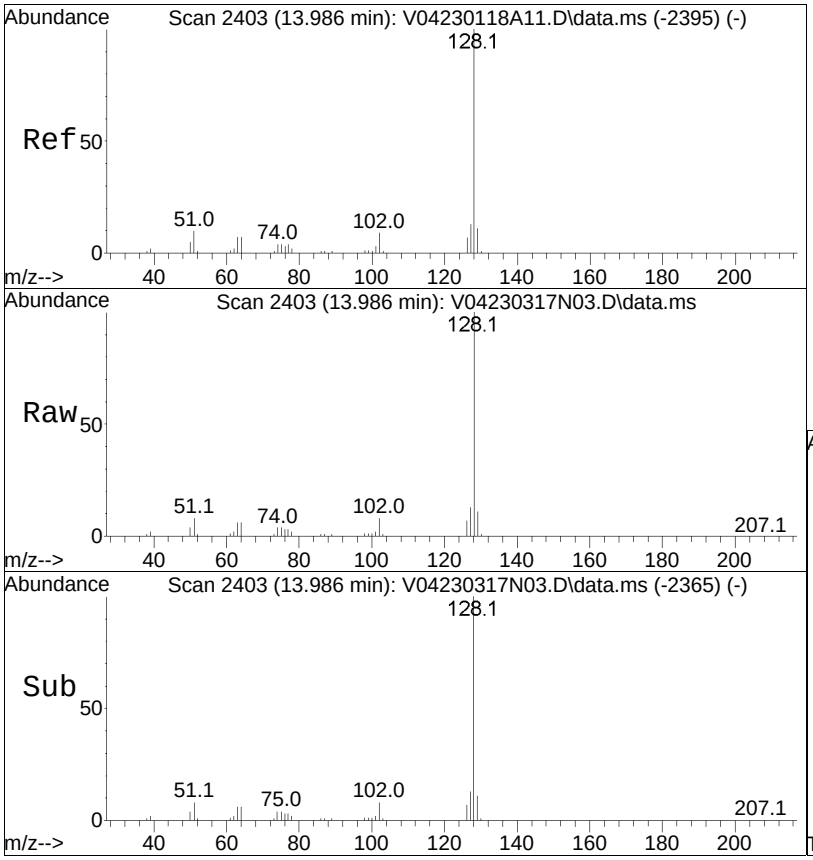


#109
1,2,4-Trichlorobenzene
Concen: 49.40 ug/L
RT: 13.692 min Scan# 2347
Delta R.T. 0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:180 Resp: 219646

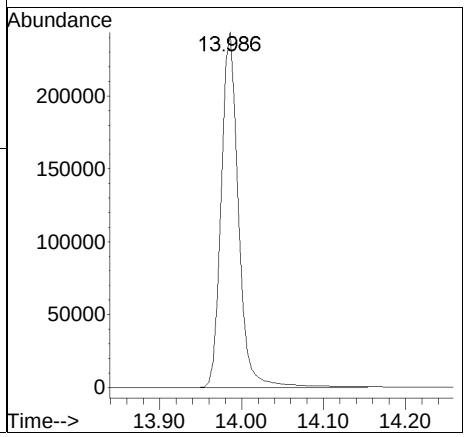
Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.0	115.4
145	35.5	28.4	42.6

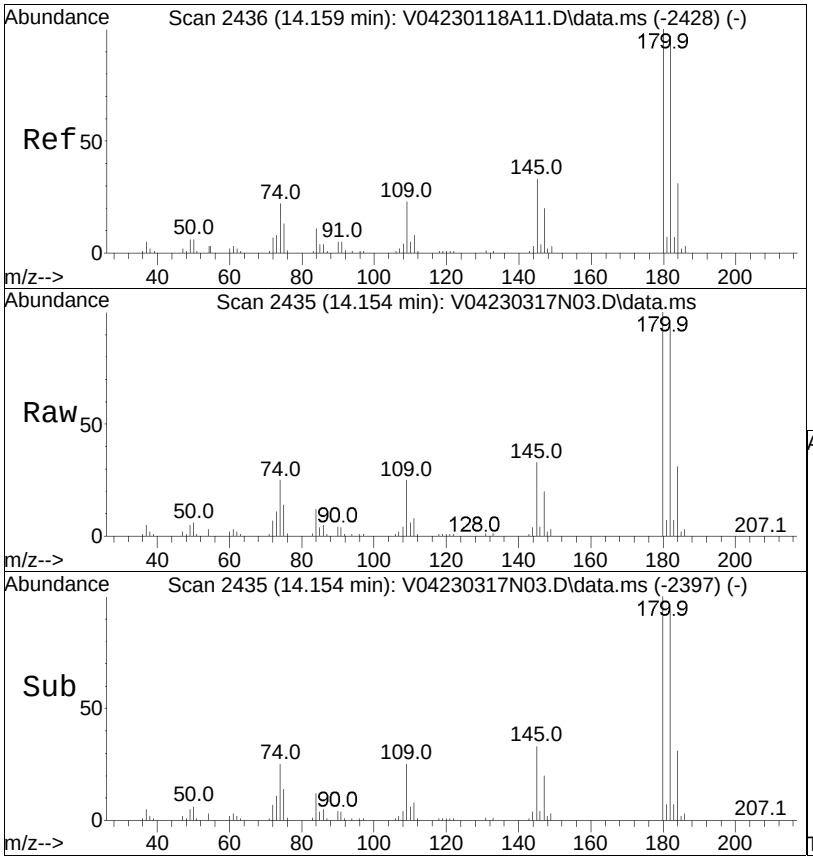




#110
Naphthalene
Concen: 42.53 ug/L
RT: 13.986 min Scan# 2403
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:128 Resp: 357993

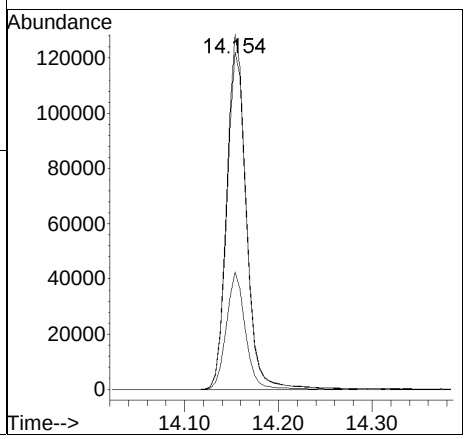




#111
1,2,3-Trichlorobenzene
Concen: 47.58 ug/L
RT: 14.154 min Scan# 2435
Delta R.T. -0.000 min
Lab File: V04230317N03.D
Acq: 17 Mar 2023 4:07 pm

Tgt Ion:180 Resp: 187591

Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.9	113.9
145	32.0	25.8	38.6

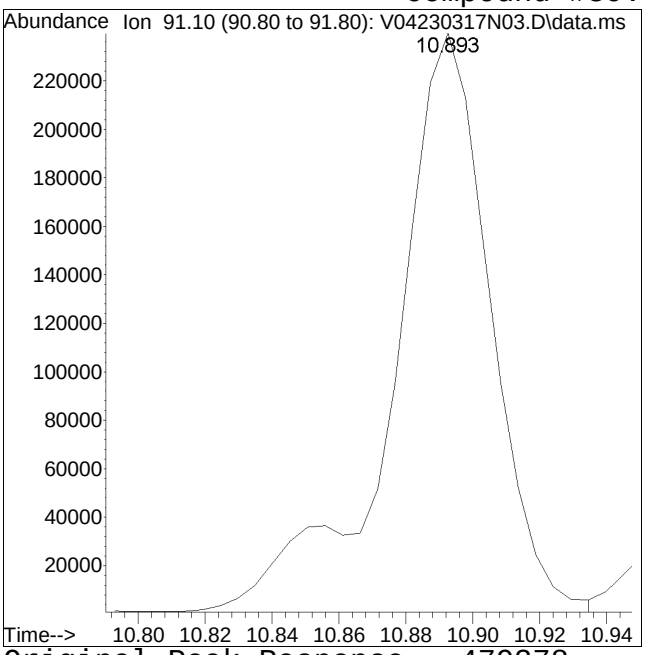


Manual Integration Report

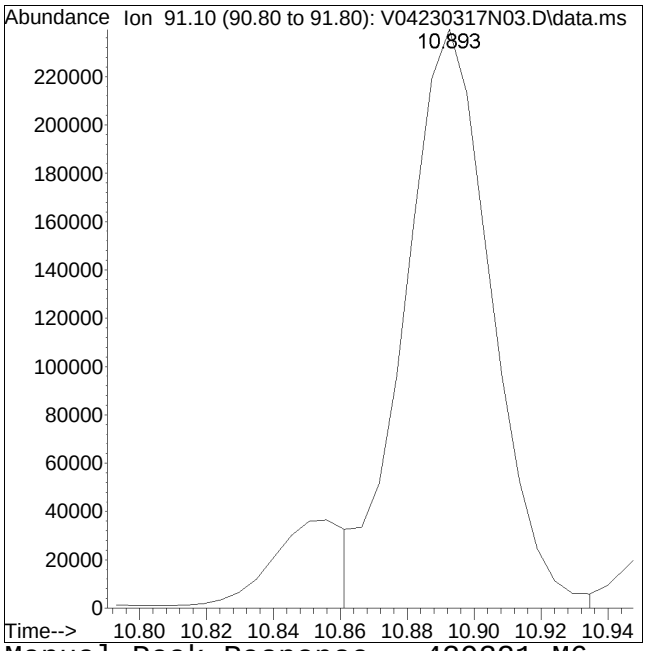
Data Path : I:\VOLATILES\VOA104\2023\2Q
Data File : V04230317N03.D
Date Inj'd : 3/17/2023 4:07 pm
Sample : WG1756211-4,31,5,5

Method : V104_230118A_8260.m
Operator : VOA104:TMS
Instrument : VOA104
Quant Date : 3/17/2023 4:34 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 479378



Manual Peak Response = 429321 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)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Mar 20 2023, 02:19 pm

Work Group: WG1756211 for Department: 31 GC/MS - Volatiles

Created: 18-MAR-23 Due: Operator: LAC

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2312985-01	WC06_GRAB_SB21_0-1	S	NYTCL-8260HLW	SOIL	DONE	U	0327	0321	S0	8260SET
L2313231-01	PH2_SB24_10-12	S	NYTCL-8260HLW	SOIL	DONE	U	0328	0321	S0	8260SET
L2313231-03	PH2_SB24_26-28	S	NYTCL-8260HLW	SOIL	DONE	U	0328	0321	S0	8260SET
L2313422-01	PX-N	S	NYTCL-8260HLW	SOIL	DONE	U	0328	0322	S0	8260SET
L2313422-02	PX-C	S	NYTCL-8260HLW	SOIL	DONE	U	0328	0322	S0	8260SET
L2313422-03	PX-NW	S	NYTCL-8260HLW	SOIL	DONE	U	0329	0322	S0	8260SET
L2313422-04	PX-W	S	NYTCL-8260HLW	SOIL	DONE	U	0329	0322	S0	8260SET
L2313773-01	DC-17 1-2	S	NYTCL-8260HLW	SOIL	DONE	U	0330	0320	S0	Encore-5
L2313773-03	DC-16 1-2	S	NYTCL-8260HLW	SOIL	DONE	U	0330	0320	S0	Encore-5
L2313773-05	DC-15 1-2	S	NYTCL-8260HLW	SOIL	DONE	U	0330	0320	S0	Encore-5
L2313773-09	DC-101 2-3'	S	NYTCL-8260HLW	SOIL	DONE	U	0330	0320	S0	Encore-5
L2313773-11	DC-102 6-6.5'	S	NYTCL-8260HLW	SOIL	DONE	U	0330	0320	S0	Encore-5
L2313773-13	DC-7 1-2'	S	NYTCL-8260HLW	SOIL	DONE	U	0330	0320	S0	Encore-5
WG1756211-1	MS BFB Tune Standard	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1756211-2	Continuing Calibrati	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1756211-3	Laboratory Control S	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1756211-4	LCS Duplicate	S	NYTCL-8260HLW	SOIL	DONE	U				
WG1756211-5	Laboratory Method Bl	S	NYTCL-8260HLW	SOIL	DONE	U				

Comments:

WG1756211-4 WG1756211-3

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Mar 20 2023, 02:19 pm

Work Group: WG1756621 for Department: 31 GC/MS - Volatiles

Created: 20-MAR-23 Due: Operator: MKS

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2313422-05	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	0327	0322	S0	Vial-B
WG1756621-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG1756621-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG1756621-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG1756621-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG1756621-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				

Comments:

WG1756621-4 WG1756621-3

Inst: VOA104
Initials: NLK
Date: **01/12/23**
Run: **A**

BFB: V9469
IS/SS: V9476
ICAL: V9456,V9452D
ICV: V9485,V9471,V9472,V9450,V9473,V9474

Method
GC: 8260SOIL
Autosampler: 8260-soil
Concentrator: 8260

QC: _____ Seq: _____

Vial	Data File	Sample
1	V04230118ABF1	BFB
1	V04230118A01	BLK
2	V04230118A02	BLK
3	V04230118A03	I8260STD0.5PPB
4	V04230118A04	I8260STD0.5PPB
5	V04230118A05	I8260STD1PPB
6	V04230118A06	I8260STD1PPB
7	V04230118A07	I8260STD2PPB
8	V04230118A08	I8260STD2PPB
9	V04230118A09	I8260STD4PPB
10	V04230118A10	I8260STD20PPB
11	V04230118A11	I8260STD40PPB
12	V04230118A12	I8260STD100PPB
13	V04230118A13	I8260STD200PPB
14	V04230118A14	I8260STD300PPB
15	V04230118A15	BLK
16	V04230118A16	BLK
17	V04230118A17	BLK
18	V04230118A18	BLK
19	V04230118A19	C8260STD40PPB
20	V04230118A20	C8260STD40PPB
21	V04230118A21	BLK
22	V04230118A22	BLK
23	V04230118A23	MDL0.5PPB
24	V04230118A24	MDL1PPB
25	V04230118A25	MDL4PPB

Inst: VOA122 BFB: V9566 Method GC: 8260_water
Initials: PID IS/SS: V9578 Autosampler: 8260V122
Date: **03/13/23** ICAL: V9553D,V9577 Concentrator: 8260water
Run: **A** ICV: V9535,V9572,V9571,V9548,V9549,V9573 QC:___ Seq:_____

Vial	Data File	Sample		pH<2
1	V222303013ABF1	BFB TUNE	12:54	
1	V22230313A01	BLK		
2	V22230313A02	BLK		
3	V22230313A03	I8260STD0.19PPB		
4	V22230313A04	I8260STD0.5PPB		
5	V22230313A05	I8260STD0.5PPB		
6	V22230313A06	I8260STD2PPB		
7	V22230313A07	I8260STD2PPB		
8	V22230313A08	I8260STD10PPB		
9	V22230313A09	I8260STD30PPB		
10	V22230313A10	I8260STD80PPB		
11	V22230313A11	I8260STD120PPB		
12	V22230313A12	I8260STD200PPB		
13	V22230313A13	BLK		
14	V22230313A14	BLK		
15	V22230313A15	BLK		
16	V22230313A16	BLK		
17	V22230313A17	BLK		
18	V22230313A18	C8260STD10PPB		
19	V22230313A19	C8260STD10PPB		
20	V22230313A20	BLK		

Inst: VOA104 BFB: V9566
Initials: TMS IS/SS: V9588
Date: **03/17/23** ICAL: V9556,V9553D
Run: **N**

Method
GC: 8260SOIL
Autosampler: 8260-soil
Concentrator: 8260

QC: _____ Seq: _____

Vial	Data File	Sample	
1	V04230317NBF1	BFB	
1	V04230317N01	8260 CCAL	
2	V04230317N02	8260 LCS	
3	V04230317N03	8260 LCS	
4	V04230317N04	BLK	
5	V04230317N05	MEOH BLK	
6	V04230317N06	L2312985-01,31,4.06,5,,B	BAD PURGE
7	V04230317N07	L2313231-01,31,4.49,5,,C	NYHLW LG
8	V04230317N08	L2313231-02,31,5.80,5,,C	NYHLW LG
9	V04230317N09	L2313231-03,31,6.31,5,,C	NYHLW LG
10	V04230317N10	L2313219-01R,31,5.20,5,,B	PAHLW
11	V04230317N11	L2313422-01,31,5.93,5,,Y	NYHLW
12	V04230317N12	L2313422-02,31,6.12,5,,Y	NYHLW
13	V04230317N13	L2313422-03,31,3.86,5,,Y	NYHLW
14	V04230317N14	L2313422-04,31,5.08,5,,Y	NYHLW
15	V04230317N15	L2312985-01,31,5.24,5,,C	NYHLW LG^
16	V04230317N16	L2313220-01R,31,7.61,5,,C	PAHLW
17	V04230317N17	L2313773-03,31,5.16,5,,Z	NYHLW CURVE
18	V04230317N18	L2313773-09,31,4.91,5,,Z	NYHLW CURVE
19	V04230317N19	L2313773-13,31,4.94,5,,Z	NYHLW CURVE
20	V04230317N20	L2313773-11,31,4.60,5,,Z	NYHLW CURVE
21	V04230317N21	L2313773-05,31,4.63,5,,Z	NYHLW CURVE
22	V04230317N22	L2313773-01,31,4.97,5,,Z	NYHLW CURVE
23	V04230317N23	BLK	
24	V04230317N24	L2312325-31,31,3.55,5,,C	NJHLW*
25	V04230317N25	L2313532-01,31H,4.08,5,0.100,,A	*PA/H
26	V04230317N26	L2313532-01DUP,31H,4.08,5,0.100,,A	NJ QC
27	V04230317N27	L2313532-01MS,31H,4.08,5,0.100,,A	NJ QC
28	V04230317N28	BLK	
29	V04230317N29	BLK	
30	V04230317N30	BLK	

Inst: VOA122 BFB: V9566
Initials: PID IS/SS: V9578
Date: **03/17/23** ICAL: V9553D,V9577
Run: **N**

Method
GC: 8260_water
Autosampler: 8260V122
Concentrator: 8260water

QC:___ Seq:_____

Vial	Data File	Sample			pH<2
1	V22230317NBF1	BFB TUNE 18:42			
1	V22230317N01	8260 CCAL LCS			
2	V22230317N02	8260 CCAL LCSD			
3	V22230317N03	8260 CCAL			
4	V22230317N04	BLK			
5	V22230317N05	METHOD BLK			
6	V22230317N06	L2313422-05,31,10,10,,A	NYTCL	TB	pH<2
7	V22230317N07	L2313444-06,31,10,10,,A	NJ-3/15/NAPH/JB	FB	pH<2
8	V22230317N08	L2313444-07,31,10,10,,A	NJ-3/15/NAPH/JB	TB	pH<2
9	V22230317N09	L2313444-01,31,10,10,,A	NJ-3/15/NAPH/JB		pH<2
10	V22230317N10	L2313444-02,31,10,10,,A	NJ-3/15/NAPH/JB		pH<2
11	V22230317N11	L2313444-03,31,10,10,,A	NJ-3/15/NAPH/JB		pH<2
12	V22230317N12	L2313444-05,31,10,10,,A	NJ-3/15/NAPH/JB		pH<2
13	V22230317N13	L2313444-08,31,10,10,,A	NJ-3/15/NAPH/JB		pH<2
14	V22230317N14	L2313444-04D,31,5.0,10,,A	NJ-3/15/NAPH/JB		pH<2
15	V22230317N15	DSTD			
16	V22230317N16	L2313598-01,31,10,10,,A	NJ/15/TBA		pH<2
17	V22230317N17	L2313598-02,31,10,10,,A	NJ/15/TBA		pH<2
18	V22230317N18	L2313598-03,31,10,10,,A	NJ/15/TBA		pH<2
19	V22230317N19	L2313617-01,31,10,10,,A	NJ/BENZ/15		pH<2
20	V22230317N20	L2313617-07,31,10,10,,A	NJ/BENZ/15	TB	pH<2
21	V22230317N21	L2313617-02,31,10,10,,A	NJ/BENZ/15		pH<2
22	V22230317N22	L2313617-03,31,10,10,,A	NJ/BENZ/15		pH<2
23	V22230317N23	L2313617-04D,31,2.5,10,,A	NJ/BENZ/15		pH<2
24	V22230317N24	L2313617-05,31,10,10,,A	NJ/BENZ/15		pH<2
25	V22230317N25	L2313617-06D,31,2.0,10,,A	NJ/BENZ/15	HEAVY SHEEN	pH<2
26	V22230317N26	L2313444-05MS,31,10,10,,A1	NJ-3/15/NAPH/JB		pH<2
27	V22230317N27	L2313444-05MSD,31,10,10,,A2	NJ-3/15/NAPH/JB		pH<2
28	V22230317N28	HSTD			
29	V22230317N29	BLK			
30	V22230317N30	BLK			
31	V22230317N31	BLK			

Wet Chemistry

Total Solids / Percent Moisture Analysis

Results

Form 1
WETCHEM

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-01	**Date Collected**	: 03/14/23 11:20
Client ID	: PX-N	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/16/23 09:44
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: ROI
Lab File ID	: WG1755224.pdf	**Instrument ID**	: BALANCE#53
Sample Amount	:	**%Solids**	: 84
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**83.7**	**0.100**	**NA**	

Form 1
WETCHEM

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-02	**Date Collected**	: 03/14/23 13:00
Client ID	: PX-C	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/16/23 09:44
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: ROI
Lab File ID	: WG1755224.pdf	**Instrument ID**	: BALANCE#53
Sample Amount	:	**%Solids**	: 82
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**82.4**	**0.100**	**NA**	

Form 1
WETCHEM

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-03	**Date Collected**	: 03/15/23 08:15
Client ID	: PX-NW	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/16/23 09:44
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: ROI
Lab File ID	: WG1755224.pdf	**Instrument ID**	: BALANCE#53
Sample Amount	:	**%Solids**	: 95
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**94.7**	**0.100**	**NA**	

Form 1
WETCHEM

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: L2313422-04	**Date Collected**	: 03/15/23 08:50
Client ID	: PX-W	**Date Received**	: 03/15/23
Sample Location	: QUEENS, NY	**Date Analyzed**	: 03/16/23 09:44
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: ROI
Lab File ID	: WG1755224.pdf	**Instrument ID**	: BALANCE#53
Sample Amount	:	**%Solids**	: 93
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**93.0**	**0.100**	**NA**	

Form 1
WETCHEM

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Lab ID	: WG1755224-1	**Date Collected**	: 03/13/23 13:00
Client ID	: WG1755224-1 DUP	**Date Received**	: 03/15/23
Sample Location	:	**Date Analyzed**	: 03/16/23 09:44
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: ROI
Lab File ID	: WG1755224.pdf	**Instrument ID**	: BALANCE#53
Sample Amount	:	**%Solids**	: 67
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**67.0**	**0.100**	**NA**	

Sample Raw Data

Wet Chemistry Gravimetric ELN

Printed: MAR-16-23 15:22:00

WorkGroup WG1755224
Title Solids, Total
Method SM2540G
Instrumen BALANCE#53

Temp In (C)	105	**Temp In (C)**		**Temp In (C)**		**Temp In (C)**	
Temp Out (C)	105	**Temp Out (C)**		**Temp Out (C)**		**Temp Out (C)**	
Time In	16-MAR-23 09:59	**Time In**		**Time In**		**Time In**	
Time Out	16-MAR-23 15:19	**Time Out**		**Time Out**		**Time Out**	

Sample #	Analysis Date	Analyst	Tare Weight (gm)	Gross Weight (gm)	Net Weight (1) (gm)	Net Weight (2) (gm)	Net Weight (3) (gm)	Net Weight (4) (gm)	Result %	Comment
L2313417-01	16-MAR-23 09:44	ROMANY IBRAHIM	1.21	8.51	7.43				85.21	
L2313417-02	16-MAR-23 09:44	ROMANY IBRAHIM	1.2	8.12	6.81				81.07	
L2313417-03	16-MAR-23 09:44	ROMANY IBRAHIM	1.21	8.81	7.86				87.50	
L2313422-01	16-MAR-23 09:44	ROMANY IBRAHIM	1.22	8.63	7.42				83.67	
L2313422-02	16-MAR-23 09:44	ROMANY IBRAHIM	1.22	8.72	7.4				82.40	
L2313422-03	16-MAR-23 09:44	ROMANY IBRAHIM	1.19	8.98	8.57				94.74	
L2313422-04	16-MAR-23 09:44	ROMANY IBRAHIM	1.22	8.36	7.86				93.00	
L2313426-01	16-MAR-23 09:44	ROMANY IBRAHIM	1.22	8.66	6.21				67.07	
L2313426-02	16-MAR-23 09:44	ROMANY IBRAHIM	1.2	8.09	5.96				69.09	
L2313426-03	16-MAR-23 09:44	ROMANY IBRAHIM	1.19	8.93	7.59				82.69	
L2313426-04	16-MAR-23 09:44	ROMANY IBRAHIM	1.21	8.17	6.08				69.97	
L2313426-05	16-MAR-23 09:44	ROMANY IBRAHIM	1.21	8.07	7.58				92.86	
L2313426-06	16-MAR-23 09:44	ROMANY IBRAHIM	1.2	8.49	7.97				92.87	
L2313426-07	16-MAR-23 09:44	ROMANY IBRAHIM	1.19	8.83	8.17				91.36	
L2313490-01	16-MAR-23 09:44	ROMANY IBRAHIM	1.19	8.41	7.47				86.98	
L2313490-02	16-MAR-23 09:44	ROMANY IBRAHIM	1.2	8.68	6.66				72.99	
L2313490-03	16-MAR-23 09:44	ROMANY IBRAHIM	1.18	8.7	8.16				92.82	
L2313490-04	16-MAR-23 09:44	ROMANY IBRAHIM	1.23	8.1	7.55				91.99	
L2313490-05	16-MAR-23 09:44	ROMANY IBRAHIM	1.23	8.25	5.02				53.99	
L2313496-19	16-MAR-23 09:44	ROMANY IBRAHIM	1.22	8.21	7.74				93.28	
WG1755224-1	16-MAR-23 09:44	ROMANY IBRAHIM	1.2	8.24	5.92				67.05	

Quality Control

Form 6
Lab Duplicates

Client	: Environmental Compliance & Control,	**Lab Number**	: L2313422
Project Name	: BRIDGE CLEANERS	**Project Number**	: BRIDGE CLEANERS
Client Sample ID	: NA	**Matrix**	: SOLID
Lab Sample ID	: NA	**Analysis Date**	: 03/16/23 09:44
Dup Sample ID	: WG1755224-1	**DUP Analysis Date**	: 03/16/23 09:44

Parameter	Sample Concentration (%)	Duplicate Concentration (%)	RPD	RPD Limit
Solids, Total	67.1	67.0	0	20