284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : P5376

Project ID : NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258

Client : AECOM Technical Services, Inc.

Lab Sample Number	Client Sample Number
P5376-01	TT205S1-20241218
P5376-02	TT150S1-20241218
P5376-03	RE115D2-20241218
P5376-04	TT149S1-20241218
P5376-05	DUP-07-20241218
P5376-06	TT174I1-20241218
P5376-07	RW10-MW01S-20241218
P5376-08	P5376-07MS
P5376-09	P5376-07MSD
P5376-10	RW10-MW01D-20241218
P5376-11	RW10A-MW01S-20241218
P5376-12	RW10A-MW01I-20241218
P5376-13	RE117D2-20241218
P5376-14	TT161S1-20241219
P5376-15	TT162S1-20241219
P5376-16	RW11-MW01S-20241219
P5376-17	RW11-MW01I-20241219
P5376-18	TT119S1-20241219
P5376-19	TT188S1-20241219
P5376-20	FB03-20241219
P5376-21	TB

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 12/31/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P5376**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **MAYUR DESAI** **Date:** **12/31/2024**

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LAB CHRONICLE

OrderID:	P5376	**OrderDate:**	12/20/2024 3:08:00 PM
Client:	AECOM Technical Services, Inc.	**Project:**	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	**Location:**	N23,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5376-01	**TT205S1-20241218**	**Water**			**12/18/24**			**12/20/24**
			VOCMS Group1	8260-Low			12/30/24	
P5376-02	**TT150S1-20241218**	**Water**			**12/18/24**			**12/20/24**
			VOCMS Group1	8260-Low			12/30/24	
P5376-03	**RE115D2-20241218**	**Water**			**12/18/24**			**12/20/24**
			VOCMS Group1	8260-Low			12/30/24	
P5376-04	**TT149S1-20241218**	**Water**			**12/18/24**			**12/20/24**
			VOCMS Group1	8260-Low			12/30/24	
P5376-05	**DUP-07-20241218**	**Water**			**12/18/24**			**12/20/24**
			VOCMS Group1	8260-Low			12/31/24	
P5376-06	**TT174I1-20241218**	**Water**			**12/18/24**			**12/20/24**
			VOCMS Group1	8260-Low			12/30/24	
P5376-07	**RW10-MW01S-20241218**	**Water**			**12/18/24**			**12/20/24**
			VOCMS Group1	8260-Low			12/30/24	
P5376-10	**RW10-MW01D-20241218**	**Water**			**12/18/24**			**12/20/24**
			VOCMS Group1	8260-Low			12/30/24	
P5376-11	**RW10A-MW01S-20241218**	**Water**			**12/18/24**			**12/20/24**
			VOCMS Group1	8260-Low			12/30/24	
P5376-12	**RW10A-MW01I-20241218**	**Water**			**12/18/24**			**12/20/24**
			VOCMS Group1	8260-Low			12/30/24	

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LAB CHRONICLE

P5376-13	**RE117D2-20241218**	**Water**			**12/18/24**		**12/20/24**
			VOCMS Group1	8260-Low		12/30/24	
P5376-14	**TT161S1-20241219**	**Water**			**12/19/24**		**12/20/24**
			VOCMS Group1	8260-Low		12/30/24	
P5376-15	**TT162S1-20241219**	**Water**			**12/19/24**		**12/20/24**
			VOCMS Group1	8260-Low		12/30/24	
P5376-16	**RW11-MW01S-20241219**	**Water**			**12/19/24**		**12/20/24**
			VOCMS Group1	8260-Low		12/30/24	
P5376-17	**RW11-MW01I-20241219**	**Water**			**12/19/24**		**12/20/24**
			VOCMS Group1	8260-Low		12/30/24	
P5376-18	**TT119S1-20241219**	**Water**			**12/19/24**		**12/20/24**
			VOCMS Group1	8260-Low		12/30/24	
P5376-19	**TT188S1-20241219**	**Water**			**12/19/24**		**12/20/24**
			VOCMS Group1	8260-Low		12/31/24	
P5376-20	**FB03-20241219**	**Water**			**12/19/24**		**12/20/24**
			VOCMS Group1	8260-Low		12/31/24	
P5376-21	**TB**	**Water**			**12/19/24**		**12/20/24**
			VOCMS Group1	8260-Low		12/30/24	

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Hit Summary Sheet
SW-846

SDG No.: P5376

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**TT205S1-20241218**								
P5376-01	TT205S1-20241218	Water	1,1-Dichloroethene	0.37	J	0.26	0.75	1.00	ug/L
P5376-01	TT205S1-20241218	Water	Acetone	1.50	J	1.40	3.80	5.00	ug/L
P5376-01	TT205S1-20241218	Water	Methyl tert-butyl Ether	0.29	J	0.16	0.50	1.00	ug/L
P5376-01	TT205S1-20241218	Water	Methylene Chloride	0.56	J	0.32	0.50	1.00	ug/L
P5376-01	TT205S1-20241218	Water	Chloroform	0.38	J	0.26	0.50	1.00	ug/L
P5376-01	TT205S1-20241218	Water	Trichloroethene	6.90		0.32	0.75	1.00	ug/L
P5376-01	TT205S1-20241218	Water	Tetrachloroethene	0.49	J	0.25	0.50	1.00	ug/L
			Total Voc :	10.5					
			Total Concentration:	10.5					
Client ID:	**TT150S1-20241218**								
P5376-02	TT150S1-20241218	Water	Acetone	1.40	J	1.40	3.80	5.00	ug/L
P5376-02	TT150S1-20241218	Water	Methylene Chloride	0.47	J	0.32	0.50	1.00	ug/L
P5376-02	TT150S1-20241218	Water	Chloroform	0.41	J	0.26	0.50	1.00	ug/L
P5376-02	TT150S1-20241218	Water	Trichloroethene	12.7		0.32	0.75	1.00	ug/L
P5376-02	TT150S1-20241218	Water	Tetrachloroethene	1.20		0.25	0.50	1.00	ug/L
			Total Voc :	16.2					
			Total Concentration:	16.2					
Client ID:	**RE115D2-20241218**								
P5376-03	RE115D2-20241218	Water	1,1,2-Trichlorotrifluoroethane	55.8		10.0	20.0	40.0	ug/L
P5376-03	RE115D2-20241218	Water	1,1-Dichloroethene	41.2		10.4	30.0	40.0	ug/L
P5376-03	RE115D2-20241218	Water	Trichloroethene	1400		12.8	30.0	40.0	ug/L
			Total Voc :	1500					
			Total Concentration:	1500					
Client ID:	**TT149S1-20241218**								
P5376-04	TT149S1-20241218	Water	Methyl tert-butyl Ether	7.50		0.16	0.50	1.00	ug/L
P5376-04	TT149S1-20241218	Water	Trichloroethene	4.20		0.32	0.75	1.00	ug/L
P5376-04	TT149S1-20241218	Water	Tetrachloroethene	1.20		0.25	0.50	1.00	ug/L
			Total Voc :	12.9					
			Total Concentration:	12.9					
Client ID:	**DUP-07-20241218**								
P5376-05	DUP-07-20241218	Water	Acetone	1.70	J	1.40	3.80	5.00	ug/L
P5376-05	DUP-07-20241218	Water	Methyl tert-butyl Ether	7.60		0.16	0.50	1.00	ug/L
P5376-05	DUP-07-20241218	Water	Trichloroethene	4.20		0.32	0.75	1.00	ug/L
P5376-05	DUP-07-20241218	Water	Tetrachloroethene	1.20		0.25	0.50	1.00	ug/L
			Total Voc :	14.7					
			Total Concentration:	14.7					
Client ID:	**TT174I1-20241218**								
P5376-06	TT174I1-20241218	Water	1,1-Dichloroethene	0.94	J	0.26	0.75	1.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: P5376

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
P5376-06	TT174I1-20241218	Water	Acetone	1.60	J	1.40	3.80	5.00	ug/L
P5376-06	TT174I1-20241218	Water	Methyl tert-butyl Ether	0.25	J	0.16	0.50	1.00	ug/L
P5376-06	TT174I1-20241218	Water	Methylene Chloride	0.45	J	0.32	0.50	1.00	ug/L
P5376-06	TT174I1-20241218	Water	1,1-Dichloroethane	2.70		0.23	0.50	1.00	ug/L
P5376-06	TT174I1-20241218	Water	Chloroform	0.27	J	0.26	0.50	1.00	ug/L
P5376-06	TT174I1-20241218	Water	Trichloroethene	1.70		0.32	0.75	1.00	ug/L
P5376-06	TT174I1-20241218	Water	Tetrachloroethene	0.54	J	0.25	0.50	1.00	ug/L
			Total Voc :	8.45					
			Total Concentration:	8.45					
Client ID:	**RW10-MW01S-20241218**								
P5376-07	RW10-MW01S-202	Water	Methyl tert-butyl Ether	1.10		0.16	0.50	1.00	ug/L
P5376-07	RW10-MW01S-202	Water	cis-1,2-Dichloroethene	0.65	J	0.25	0.75	1.00	ug/L
P5376-07	RW10-MW01S-202	Water	Trichloroethene	0.76	J	0.32	0.75	1.00	ug/L
P5376-07	RW10-MW01S-202	Water	Tetrachloroethene	4.90		0.25	0.50	1.00	ug/L
			Total Voc :	7.41					
			Total Concentration:	7.41					
Client ID:	**RW10-MW01D-20241218**								
P5376-10	RW10-MW01D-20	Water	Chloromethane	0.42	J	0.35	0.50	1.00	ug/L
			Total Voc :	0.42					
			Total Concentration:	0.42					
Client ID:	**RW10A-MW01S-20241218**								
P5376-11	RW10A-MW01S-2	Water	Chloromethane	0.56	J	0.35	0.50	1.00	ug/L
P5376-11	RW10A-MW01S-2	Water	Methylene Chloride	0.34	J	0.32	0.50	1.00	ug/L
			Total Voc :	0.90					
			Total Concentration:	0.90					
Client ID:	**TT161S1-20241219**								
P5376-14	TT161S1-20241219	Water	Chloromethane	0.42	J	0.35	0.50	1.00	ug/L
P5376-14	TT161S1-20241219	Water	1,1-Dichloroethene	0.51	J	0.26	0.75	1.00	ug/L
P5376-14	TT161S1-20241219	Water	Acetone	1.40	J	1.40	3.80	5.00	ug/L
P5376-14	TT161S1-20241219	Water	Methyl tert-butyl Ether	0.60	J	0.16	0.50	1.00	ug/L
P5376-14	TT161S1-20241219	Water	Methylene Chloride	0.43	J	0.32	0.50	1.00	ug/L
P5376-14	TT161S1-20241219	Water	1,1-Dichloroethane	2.50		0.23	0.50	1.00	ug/L
P5376-14	TT161S1-20241219	Water	Chloroform	0.44	J	0.26	0.50	1.00	ug/L
P5376-14	TT161S1-20241219	Water	Trichloroethene	1.20		0.32	0.75	1.00	ug/L
P5376-14	TT161S1-20241219	Water	Tetrachloroethene	0.67	J	0.25	0.50	1.00	ug/L
			Total Voc :	8.17					
			Total Concentration:	8.17					
Client ID:	**TT162S1-20241219**								
P5376-15	TT162S1-20241219	Water	1,1-Dichloroethene	0.36	J	0.26	0.75	1.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: P5376

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
P5376-15	TT162S1-20241219	Water	Methylene Chloride	0.44	J	0.32	0.50	1.00	ug/L
P5376-15	TT162S1-20241219	Water	1,1-Dichloroethane	1.30		0.23	0.50	1.00	ug/L
P5376-15	TT162S1-20241219	Water	Chloroform	0.46	J	0.26	0.50	1.00	ug/L
P5376-15	TT162S1-20241219	Water	Trichloroethene	12.4		0.32	0.75	1.00	ug/L
P5376-15	TT162S1-20241219	Water	Tetrachloroethene	0.68	J	0.25	0.50	1.00	ug/L
			Total Voc :	15.6					
			Total Concentration:	15.6					
Client ID:	**RW11-MW01S-20241219**								
P5376-16	RW11-MW01S-202	Water	Methyl tert-butyl Ether	0.29	J	0.16	0.50	1.00	ug/L
P5376-16	RW11-MW01S-202	Water	Chloroform	0.36	J	0.26	0.50	1.00	ug/L
P5376-16	RW11-MW01S-202	Water	Trichloroethene	0.42	J	0.32	0.75	1.00	ug/L
			Total Voc :	1.07					
			Total Concentration:	1.07					
Client ID:	**RW11-MW01I-20241219**								
P5376-17	RW11-MW01I-202	Water	Chloromethane	0.46	J	0.35	0.50	1.00	ug/L
P5376-17	RW11-MW01I-202	Water	Acetone	1.70	J	1.40	3.80	5.00	ug/L
			Total Voc :	2.16					
			Total Concentration:	2.16					
Client ID:	**TT119S1-20241219**								
P5376-18	TT119S1-20241219	Water	Trichloroethene	2.00		0.32	0.75	1.00	ug/L
P5376-18	TT119S1-20241219	Water	Tetrachloroethene	0.50	J	0.25	0.50	1.00	ug/L
			Total Voc :	2.50					
			Total Concentration:	2.50					
Client ID:	**TT188S1-20241219**								
P5376-19	TT188S1-20241219	Water	Trichloroethene	4.80		0.32	0.75	1.00	ug/L
P5376-19	TT188S1-20241219	Water	Tetrachloroethene	0.44	J	0.25	0.50	1.00	ug/L
			Total Voc :	5.24					
			Total Concentration:	5.24					
Client ID:	**FB03-20241219**								
P5376-20	FB03-20241219	Water	Acetone	4.80	J	1.40	3.80	5.00	ug/L
P5376-20	FB03-20241219	Water	Methylene Chloride	0.40	J	0.32	0.50	1.00	ug/L
P5376-20	FB03-20241219	Water	Chloroform	7.10		0.26	0.50	1.00	ug/L
			Total Voc :	12.3					
			Total Concentration:	12.3					
Client ID:	**TB**								
P5376-21	TB	Water	Chloromethane	0.35	J	0.35	0.50	1.00	ug/L
			Total Voc :	0.35					
			Total Concentration:	0.35					

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: P5376

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P5376-01	TT205S1-20241218	1,2-Dichloroethane-d4	50	43.1	86	81	118
		Dibromofluoromethane	50	50.6	101	80	119
		Toluene-d8	50	53.2	106	89	112
		4-Bromofluorobenzene	50	49.9	100	85	114
P5376-02	TT150S1-20241218	1,2-Dichloroethane-d4	50	43.4	87	81	118
		Dibromofluoromethane	50	49.6	99	80	119
		Toluene-d8	50	52.4	105	89	112
		4-Bromofluorobenzene	50	47.4	95	85	114
P5376-03	RE115D2-20241218	1,2-Dichloroethane-d4	50	43.3	87	81	118
		Dibromofluoromethane	50	50.0	100	80	119
		Toluene-d8	50	51.4	103	89	112
		4-Bromofluorobenzene	50	46.6	93	85	114
P5376-04	TT149S1-20241218	1,2-Dichloroethane-d4	50	43.3	87	81	118
		Dibromofluoromethane	50	50.1	100	80	119
		Toluene-d8	50	52.2	104	89	112
		4-Bromofluorobenzene	50	50.0	100	85	114
P5376-05	DUP-07-20241218	1,2-Dichloroethane-d4	50	42.6	85	81	118
		Dibromofluoromethane	50	49.8	100	80	119
		Toluene-d8	50	53.0	106	89	112
		4-Bromofluorobenzene	50	50.0	100	85	114
P5376-06	TT174I1-20241218	1,2-Dichloroethane-d4	50	40.8	82	81	118
		Dibromofluoromethane	50	48.6	97	80	119
		Toluene-d8	50	51.5	103	89	112
		4-Bromofluorobenzene	50	47.9	96	85	114
P5376-07	RW10-MW01S-20241218	1,2-Dichloroethane-d4	50	44.6	89	81	118
		Dibromofluoromethane	50	49.8	100	80	119
		Toluene-d8	50	53.5	107	89	112
		4-Bromofluorobenzene	50	48.3	97	85	114
P5376-08MS	RW10-MW01S-20241218MS	1,2-Dichloroethane-d4	50	41.3	83	81	118
		Dibromofluoromethane	50	48.1	96	80	119
		Toluene-d8	50	47.9	96	89	112
		4-Bromofluorobenzene	50	48.9	98	85	114
P5376-09MSD	RW10-MW01S-20241218MSD	1,2-Dichloroethane-d4	50	45.0	90	81	118
		Dibromofluoromethane	50	52.2	104	80	119
		Toluene-d8	50	51.6	103	89	112
		4-Bromofluorobenzene	50	54.4	109	85	114
P5376-10	RW10-MW01D-20241218	1,2-Dichloroethane-d4	50	42.3	85	81	118
		Dibromofluoromethane	50	49.6	99	80	119
		Toluene-d8	50	52.0	104	89	112
		4-Bromofluorobenzene	50	48.4	97	85	114
P5376-11	RW10A-MW01S-20241218	1,2-Dichloroethane-d4	50	42.5	85	81	118
		Dibromofluoromethane	50	50.0	100	80	119
		Toluene-d8	50	53.6	107	89	112
		4-Bromofluorobenzene	50	49.5	99	85	114
P5376-12	RW10A-MW01I-20241218	1,2-Dichloroethane-d4	50	43.2	86	81	118
		Dibromofluoromethane	50	49.5	99	80	119
		Toluene-d8	50	53.0	106	89	112
		4-Bromofluorobenzene	50	47.6	95	85	114
P5376-13	RE117D2-20241218	1,2-Dichloroethane-d4	50	45.2	90	81	118
		Dibromofluoromethane	50	50.6	101	80	119

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Surrogate Summary

SDG No.: P5376

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P5376-13	RE117D2-20241218	Toluene-d8	50	53.0	106	89	112
		4-Bromofluorobenzene	50	47.3	95	85	114
P5376-14	TT161S1-20241219	1,2-Dichloroethane-d4	50	45.9	92	81	118
		Dibromofluoromethane	50	50.5	101	80	119
		Toluene-d8	50	53.8	108	89	112
		4-Bromofluorobenzene	50	48.4	97	85	114
P5376-15	TT162S1-20241219	1,2-Dichloroethane-d4	50	45.1	90	81	118
		Dibromofluoromethane	50	49.9	100	80	119
		Toluene-d8	50	52.7	105	89	112
		4-Bromofluorobenzene	50	49.0	98	85	114
P5376-16	RW11-MW01S-20241219	1,2-Dichloroethane-d4	50	45.1	90	81	118
		Dibromofluoromethane	50	52.5	105	80	119
		Toluene-d8	50	54.0	108	89	112
		4-Bromofluorobenzene	50	46.9	94	85	114
P5376-17	RW11-MW01I-20241219	1,2-Dichloroethane-d4	50	44.3	89	81	118
		Dibromofluoromethane	50	51.3	103	80	119
		Toluene-d8	50	52.7	105	89	112
		4-Bromofluorobenzene	50	49.0	98	85	114
P5376-18	TT119S1-20241219	1,2-Dichloroethane-d4	50	45.0	90	81	118
		Dibromofluoromethane	50	50.3	101	80	119
		Toluene-d8	50	52.7	105	89	112
		4-Bromofluorobenzene	50	48.5	97	85	114
P5376-19	TT188S1-20241219	1,2-Dichloroethane-d4	50	43.9	88	81	118
		Dibromofluoromethane	50	51.1	102	80	119
		Toluene-d8	50	52.3	105	89	112
		4-Bromofluorobenzene	50	47.3	95	85	114
P5376-20	FB03-20241219	1,2-Dichloroethane-d4	50	43.8	87	81	118
		Dibromofluoromethane	50	50.8	102	80	119
		Toluene-d8	50	53.1	106	89	112
		4-Bromofluorobenzene	50	54.5	109	85	114
P5376-21	TB	1,2-Dichloroethane-d4	50	45.4	91	81	118
		Dibromofluoromethane	50	50.9	102	80	119
		Toluene-d8	50	54.9	110	89	112
		4-Bromofluorobenzene	50	50.8	102	85	114
VX1231WBL01	VX1231WBL01	1,2-Dichloroethane-d4	50	45.7	91	81	118
		Dibromofluoromethane	50	51.4	103	80	119
		Toluene-d8	50	55.1	110	89	112
		4-Bromofluorobenzene	50	50.8	102	85	114
VX1231WBL02	VX1231WBL02	1,2-Dichloroethane-d4	50	42.3	85	81	118
		Dibromofluoromethane	50	50.4	101	80	119
		Toluene-d8	50	52.8	106	89	112
		4-Bromofluorobenzene	50	47.7	95	85	114
VX1231WBS01	VX1231WBS01	1,2-Dichloroethane-d4	50	42.4	85	81	118
		Dibromofluoromethane	50	51.1	102	80	119
		Toluene-d8	50	50.7	101	89	112
		4-Bromofluorobenzene	50	50.1	100	85	114
VX1231WBS02	VX1231WBS02	1,2-Dichloroethane-d4	50	43.1	86	81	118
		Dibromofluoromethane	50	51.4	103	80	119
		Toluene-d8	50	49.5	99	89	112
		4-Bromofluorobenzene	50	47.0	94	85	114

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5376

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID : P5376-08MS	**Client Sample ID :** RW10-MW01S-20241218MS							**Datafile :** VX044564.D			
Dichlorodifluoromethane	50	0	46.4	ug/L	93				32	152	
Chloromethane	50	0	46.4	ug/L	93				50	139	
Vinyl chloride	50	0	45.2	ug/L	90				58	137	
Bromomethane	50	0	42.2	ug/L	84				53	141	
Chloroethane	50	0	41.3	ug/L	83				60	138	
Trichlorofluoromethane	50	0	42.3	ug/L	85				65	141	
1,1,2-Trichlorotrifluoroethane	50	0	47.8	ug/L	96				70	136	
1,1-Dichloroethene	50	0	51.2	ug/L	102				71	131	
Acetone	250	0	220	ug/L	88				39	160	
Carbon disulfide	50	0	43.3	ug/L	87				64	133	
Methyl tert-butyl Ether	50	1.10	46.7	ug/L	91				71	124	
Methyl Acetate	50	0	45.7	ug/L	91				56	136	
Methylene Chloride	50	0	49.7	ug/L	99				74	124	
trans-1,2-Dichloroethene	50	0	49.3	ug/L	99				75	124	
1,1-Dichloroethane	50	0	49.2	ug/L	98				77	125	
Cyclohexane	50	0	45.4	ug/L	91				71	130	
2-Butanone	250	0	240	ug/L	96				56	143	
Carbon Tetrachloride	50	0	51.6	ug/L	103				72	136	
cis-1,2-Dichloroethene	50	0.65	48.0	ug/L	95				78	123	
Bromochloromethane	50	0	42.6	ug/L	85				78	123	
Chloroform	50	0	46.7	ug/L	93				79	124	
1,1,1-Trichloroethane	50	0	47.4	ug/L	95				74	131	
Methylcyclohexane	50	0	49.9	ug/L	100				72	132	
Benzene	50	0	52.7	ug/L	105				79	120	
1,2-Dichloroethane	50	0	50.2	ug/L	100				73	128	
Trichloroethene	50	0.76	53.6	ug/L	106				79	123	
1,2-Dichloropropane	50	0	50.4	ug/L	101				78	122	
Bromodichloromethane	50	0	53.9	ug/L	108				79	125	
4-Methyl-2-Pentanone	250	0	260	ug/L	104				67	130	
Toluene	50	0	52.3	ug/L	105				80	121	
t-1,3-Dichloropropene	50	0	47.2	ug/L	94				73	127	
cis-1,3-Dichloropropene	50	0	50.4	ug/L	101				75	124	
1,1,2-Trichloroethane	50	0	54.4	ug/L	109				80	119	
2-Hexanone	250	0	270	ug/L	108				57	139	
Dibromochloromethane	50	0	51.8	ug/L	104				74	126	
1,2-Dibromoethane	50	0	54.5	ug/L	109				77	121	
Tetrachloroethene	50	4.90	51.8	ug/L	94				74	129	
Chlorobenzene	50	0	51.1	ug/L	102				82	118	
Ethyl Benzene	50	0	49.6	ug/L	99				79	121	
m/p-Xylenes	100	0	100	ug/L	100				80	121	
o-Xylene	50	0	50.3	ug/L	101				78	122	
Styrene	50	0	53.3	ug/L	107				78	123	
Bromoform	50	0	51.2	ug/L	102				66	130	
Isopropylbenzene	50	0	49.2	ug/L	98				72	131	
1,1,2,2-Tetrachloroethane	50	0	49.7	ug/L	99				71	121	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5376

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
1,3-Dichlorobenzene	50	0	51.2	ug/L	102				80	119	
1,4-Dichlorobenzene	50	0	50.3	ug/L	101				79	118	
1,2-Dichlorobenzene	50	0	51.9	ug/L	104				80	119	
1,2-Dibromo-3-Chloropropane	50	0	49.4	ug/L	99				62	128	
1,2,4-Trichlorobenzene	50	0	53.7	ug/L	107				69	130	
1,2,3-Trichlorobenzene	50	0	52.7	ug/L	105				69	129	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5376

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID : P5376-09MSD	**Client Sample ID :** RW10-MW01S-20241218MSD							**Datafile :** VX044565.D			
Dichlorodifluoromethane	50	0	47.2	ug/L	94		2		32	152	20
Chloromethane	50	0	47.1	ug/L	94		1		50	139	20
Vinyl chloride	50	0	47.8	ug/L	96		6		58	137	20
Bromomethane	50	0	45.9	ug/L	92		8		53	141	20
Chloroethane	50	0	52.8	ug/L	106		24	*	60	138	20
Trichlorofluoromethane	50	0	43.2	ug/L	86		2		65	141	20
1,1,2-Trichlorotrifluoroethane	50	0	51.3	ug/L	103		7		70	136	20
1,1-Dichloroethene	50	0	52.8	ug/L	106		3		71	131	20
Acetone	250	0	230	ug/L	92		4		39	160	20
Carbon disulfide	50	0	48.4	ug/L	97		11		64	133	20
Methyl tert-butyl Ether	50	1.10	49.6	ug/L	97		6		71	124	20
Methyl Acetate	50	0	48.6	ug/L	97		6		56	136	20
Methylene Chloride	50	0	51.9	ug/L	104		4		74	124	20
trans-1,2-Dichloroethene	50	0	51.6	ug/L	103		5		75	124	20
1,1-Dichloroethane	50	0	51.6	ug/L	103		5		77	125	20
Cyclohexane	50	0	46.4	ug/L	93		2		71	130	20
2-Butanone	250	0	250	ug/L	100		4		56	143	20
Carbon Tetrachloride	50	0	53.8	ug/L	108		4		72	136	20
cis-1,2-Dichloroethene	50	0.65	50.8	ug/L	100		5		78	123	20
Bromochloromethane	50	0	45.1	ug/L	90		6		78	123	20
Chloroform	50	0	50.3	ug/L	101		7		79	124	20
1,1,1-Trichloroethane	50	0	51.4	ug/L	103		8		74	131	20
Methylcyclohexane	50	0	50.4	ug/L	101		1		72	132	20
Benzene	50	0	54.7	ug/L	109		4		79	120	20
1,2-Dichloroethane	50	0	52.5	ug/L	105		4		73	128	20
Trichloroethene	50	0.76	54.6	ug/L	108		2		79	123	20
1,2-Dichloropropane	50	0	50.9	ug/L	102		1		78	122	20
Bromodichloromethane	50	0	57.3	ug/L	115		6		79	125	20
4-Methyl-2-Pentanone	250	0	270	ug/L	108		4		67	130	20
Toluene	50	0	54.2	ug/L	108		4		80	121	20
t-1,3-Dichloropropene	50	0	50.0	ug/L	100		6		73	127	20
cis-1,3-Dichloropropene	50	0	53.9	ug/L	108		7		75	124	20
1,1,2-Trichloroethane	50	0	57.8	ug/L	116		6		80	119	20
2-Hexanone	250	0	280	ug/L	112		4		57	139	20
Dibromochloromethane	50	0	53.8	ug/L	108		4		74	126	20
1,2-Dibromoethane	50	0	57.0	ug/L	114		4		77	121	20
Tetrachloroethene	50	4.90	51.8	ug/L	94		0		74	129	20
Chlorobenzene	50	0	54.6	ug/L	109		7		82	118	20
Ethyl Benzene	50	0	52.4	ug/L	105		5		79	121	20
m/p-Xylenes	100	0	110	ug/L	110		10		80	121	20
o-Xylene	50	0	54.6	ug/L	109		8		78	122	20
Styrene	50	0	56.7	ug/L	113		6		78	123	20
Bromoform	50	0	56.7	ug/L	113		10		66	130	20
Isopropylbenzene	50	0	52.8	ug/L	106		7		72	131	20
1,1,2,2-Tetrachloroethane	50	0	52.7	ug/L	105		6		71	121	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5376

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
1,3-Dichlorobenzene	50	0	55.2	ug/L	110		8		80	119	20
1,4-Dichlorobenzene	50	0	53.3	ug/L	107		6		79	118	20
1,2-Dichlorobenzene	50	0	53.9	ug/L	108		4		80	119	20
1,2-Dibromo-3-Chloropropane	50	0	52.2	ug/L	104		6		62	128	20
1,2,4-Trichlorobenzene	50	0	57.3	ug/L	115		6		69	130	20
1,2,3-Trichlorobenzene	50	0	57.5	ug/L	115		9		69	129	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **P5376**

Client: **AECOM Technical Services, Inc.**

Analytical Method: **SW8260-Low** **Datafile :** VX044543.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1231WBS01	Dichlorodifluoromethane	20	16.4	ug/L	82			32	152	
	Chloromethane	20	15.8	ug/L	79			50	139	
	Vinyl chloride	20	16.6	ug/L	83			58	137	
	Bromomethane	20	15.6	ug/L	78			53	141	
	Chloroethane	20	17.2	ug/L	86			60	138	
	Trichlorofluoromethane	20	14.9	ug/L	75			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.2	ug/L	91			70	136	
	1,1-Dichloroethene	20	18.6	ug/L	93			71	131	
	Acetone	100	74.3	ug/L	74			39	160	
	Carbon disulfide	20	14.7	ug/L	74			64	133	
	Methyl tert-butyl Ether	20	16.6	ug/L	83			71	124	
	Methyl Acetate	20	17.6	ug/L	88			56	136	
	Methylene Chloride	20	17.4	ug/L	87			74	124	
	trans-1,2-Dichloroethene	20	17.2	ug/L	86			75	124	
	1,1-Dichloroethane	20	17.4	ug/L	87			77	125	
	Cyclohexane	20	16.4	ug/L	82			71	130	
	2-Butanone	100	80.3	ug/L	80			56	143	
	Carbon Tetrachloride	20	18.9	ug/L	95			72	136	
	cis-1,2-Dichloroethene	20	17.2	ug/L	86			78	123	
	Bromochloromethane	20	16.9	ug/L	85			78	123	
	Chloroform	20	16.8	ug/L	84			79	124	
	1,1,1-Trichloroethane	20	16.9	ug/L	85			74	131	
	Methylcyclohexane	20	19.1	ug/L	96			72	132	
	Benzene	20	19.3	ug/L	97			79	120	
	1,2-Dichloroethane	20	18.7	ug/L	94			73	128	
	Trichloroethene	20	19.9	ug/L	100			79	123	
	1,2-Dichloropropane	20	18.8	ug/L	94			78	122	
	Bromodichloromethane	20	18.7	ug/L	94			79	125	
	4-Methyl-2-Pentanone	100	90.7	ug/L	91			67	130	
	Toluene	20	18.9	ug/L	95			80	121	
	t-1,3-Dichloropropene	20	17.9	ug/L	90			73	127	
	cis-1,3-Dichloropropene	20	19.2	ug/L	96			75	124	
	1,1,2-Trichloroethane	20	20.2	ug/L	101			80	119	
	2-Hexanone	100	91.0	ug/L	91			57	139	
	Dibromochloromethane	20	18.8	ug/L	94			74	126	
	1,2-Dibromoethane	20	20.0	ug/L	100			77	121	
	Tetrachloroethene	20	20.7	ug/L	104			74	129	
	Chlorobenzene	20	19.3	ug/L	97			82	118	
	Ethyl Benzene	20	19.0	ug/L	95			79	121	
	m/p-Xylenes	40	39.4	ug/L	99			80	121	
	o-Xylene	20	19.1	ug/L	96			78	122	
	Styrene	20	19.5	ug/L	98			78	123	
	Bromoform	20	20.0	ug/L	100			66	130	
	Isopropylbenzene	20	19.5	ug/L	98			72	131	
	1,1,2,2-Tetrachloroethane	20	19.4	ug/L	97			71	121	
	1,3-Dichlorobenzene	20	20.5	ug/L	103			80	119	
	1,4-Dichlorobenzene	20	20.0	ug/L	100			79	118	
	1,2-Dichlorobenzene	20	19.4	ug/L	97			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **P5376**

Client: **AECOM Technical Services, Inc.**

Analytical Method: **SW8260-Low** **Datafile :** VX044543.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1231WBS01	1,2-Dibromo-3-Chloropropane	20	16.6	ug/L	83			62	128	
	1,2,4-Trichlorobenzene	20	20.7	ug/L	104			69	130	
	1,2,3-Trichlorobenzene	20	20.6	ug/L	103			69	129	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5376

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX044571.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1231WBS02	Dichlorodifluoromethane	20	15.7	ug/L	79			32	152	
	Chloromethane	20	16.4	ug/L	82			50	139	
	Vinyl chloride	20	15.9	ug/L	79			58	137	
	Bromomethane	20	15.8	ug/L	79			53	141	
	Chloroethane	20	17.7	ug/L	89			60	138	
	Trichlorofluoromethane	20	14.5	ug/L	73			65	141	
	1,1,2-Trichlorotrifluoroethane	20	17.1	ug/L	86			70	136	
	1,1-Dichloroethene	20	18.0	ug/L	90			71	131	
	Acetone	100	70.9	ug/L	71			39	160	
	Carbon disulfide	20	17.2	ug/L	86			64	133	
	Methyl tert-butyl Ether	20	16.0	ug/L	80			71	124	
	Methyl Acetate	20	16.0	ug/L	80			56	136	
	Methylene Chloride	20	17.2	ug/L	86			74	124	
	trans-1,2-Dichloroethene	20	17.3	ug/L	86			75	124	
	1,1-Dichloroethane	20	17.0	ug/L	85			77	125	
	Cyclohexane	20	16.5	ug/L	83			71	130	
	2-Butanone	100	76.3	ug/L	76			56	143	
	Carbon Tetrachloride	20	18.4	ug/L	92			72	136	
	cis-1,2-Dichloroethene	20	17.3	ug/L	86			78	123	
	Bromochloromethane	20	17.2	ug/L	86			78	123	
	Chloroform	20	16.5	ug/L	83			79	124	
	1,1,1-Trichloroethane	20	16.6	ug/L	83			74	131	
	Methylcyclohexane	20	19.2	ug/L	96			72	132	
	Benzene	20	18.9	ug/L	95			79	120	
	1,2-Dichloroethane	20	17.9	ug/L	90			73	128	
	Trichloroethene	20	19.1	ug/L	96			79	123	
	1,2-Dichloropropane	20	17.2	ug/L	86			78	122	
	Bromodichloromethane	20	18.8	ug/L	94			79	125	
	4-Methyl-2-Pentanone	100	84.8	ug/L	85			67	130	
	Toluene	20	18.7	ug/L	94			80	121	
	t-1,3-Dichloropropene	20	17.8	ug/L	89			73	127	
	cis-1,3-Dichloropropene	20	18.5	ug/L	93			75	124	
	1,1,2-Trichloroethane	20	19.2	ug/L	96			80	119	
	2-Hexanone	100	84.9	ug/L	85			57	139	
	Dibromochloromethane	20	18.4	ug/L	92			74	126	
	1,2-Dibromoethane	20	19.4	ug/L	97			77	121	
	Tetrachloroethene	20	21.8	ug/L	109			74	129	
	Chlorobenzene	20	19.3	ug/L	97			82	118	
	Ethyl Benzene	20	19.0	ug/L	95			79	121	
	m/p-Xylenes	40	39.3	ug/L	98			80	121	
	o-Xylene	20	19.3	ug/L	97			78	122	
	Styrene	20	19.5	ug/L	98			78	123	
	Bromoform	20	20.8	ug/L	104			66	130	
	Isopropylbenzene	20	19.2	ug/L	96			72	131	
	1,1,2,2-Tetrachloroethane	20	19.0	ug/L	95			71	121	
	1,3-Dichlorobenzene	20	20.0	ug/L	100			80	119	
	1,4-Dichlorobenzene	20	19.2	ug/L	96			79	118	
	1,2-Dichlorobenzene	20	19.8	ug/L	99			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **P5376**

Client: **AECOM Technical Services, Inc.**

Analytical Method: **SW8260-Low** **Datafile :** VX044571.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1231WBS02	1,2-Dibromo-3-Chloropropane	20	16.6	ug/L	83			62	128	
	1,2,4-Trichlorobenzene	20	20.2	ug/L	101			69	130	
	1,2,3-Trichlorobenzene	20	20.1	ug/L	101			69	129	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1231WBL01

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM

Case No.: P5376

SAS No.: P5376

SDG NO.: P5376

Lab File ID: VX044542.D

Lab Sample ID: VX1231WBL01

Date Analyzed: 12/30/2024

Time Analyzed: 14:26

GC Column: DB-624UI

ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1231WBS01	VX1231WBS01	VX044543.D	12/30/2024
RE115D2-20241218	P5376-03	VX044546.D	12/30/2024
TB	P5376-21	VX044549.D	12/30/2024
TT205S1-20241218	P5376-01	VX044550.D	12/30/2024
TT150S1-20241218	P5376-02	VX044551.D	12/30/2024
TT149S1-20241218	P5376-04	VX044552.D	12/30/2024
TT174I1-20241218	P5376-06	VX044553.D	12/30/2024
RW10-MW01D-20241218	P5376-10	VX044554.D	12/30/2024
RW10A-MW01S-20241218	P5376-11	VX044555.D	12/30/2024
RW10A-MW01I-20241218	P5376-12	VX044556.D	12/30/2024
RE117D2-20241218	P5376-13	VX044557.D	12/30/2024
TT161S1-20241219	P5376-14	VX044558.D	12/30/2024
TT162S1-20241219	P5376-15	VX044559.D	12/30/2024
RW11-MW01S-20241219	P5376-16	VX044560.D	12/30/2024
RW11-MW01I-20241219	P5376-17	VX044561.D	12/30/2024
TT119S1-20241219	P5376-18	VX044562.D	12/30/2024
RW10-MW01S-20241218	P5376-07	VX044563.D	12/30/2024
RW10-MW01S-20241218MS	P5376-08MS	VX044564.D	12/30/2024
RW10-MW01S-20241218MSD	P5376-09MSD	VX044565.D	12/30/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1231WBL02

Lab Name: CHEMTECH

Contract: AECO15

Lab Code: CHEM

Case No.: P5376

SAS No.: P5376

SDG NO.: P5376

Lab File ID: VX044570.D

Lab Sample ID: VX1231WBL02

Date Analyzed: 12/31/2024

Time Analyzed: 10:49

GC Column: DB-624UI

ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1231WBS02	VX1231WBS02	VX044571.D	12/31/2024
DUP-07-20241218	P5376-05	VX044573.D	12/31/2024
FB03-20241219	P5376-20	VX044574.D	12/31/2024
TT188S1-20241219	P5376-19	VX044575.D	12/31/2024

COMMENTS:

Raw Data: **VX044218.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH
Contract: AECO15
Lab Code: CHEM
Case No.: P5376
SAS No.: P5376
SDG NO.: P5376
Lab File ID: VX044218.D
BFB Injection Date: 12/11/2024
Instrument ID: MSVOA_X
BFB Injection Time: 10:13
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.7
75	30.0 - 60.0% of mass 95	56.2
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	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	71.1
175	5.0 - 9.0% of mass 174	5.2 (7.3) 1
176	95.0 - 101.0% of mass 174	68.7 (96.6) 1
177	5.0 - 9.0% of mass 176	4.6 (6.8) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX044219.D	12/11/2024	10:41
VSTDICC005	VSTDICC005	VX044220.D	12/11/2024	11:27
VSTDICC020	VSTDICC020	VX044221.D	12/11/2024	11:50
VSTDICCC050	VSTDICCC050	VX044222.D	12/11/2024	12:14
VSTDICC100	VSTDICC100	VX044223.D	12/11/2024	12:37
VSTDICC150	VSTDICC150	VX044224.D	12/11/2024	13:00

Raw Data: **VX044539.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH
Contract: AECO15
Lab Code: CHEM
Case No.: P5376
SAS No.: P5376
SDG NO.: P5376
Lab File ID: VX044539.D
BFB Injection Date: 12/30/2024
Instrument ID: MSVOA_X
BFB Injection Time: 12:39
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	53
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	75.4
175	5.0 - 9.0% of mass 174	6.2 (8.2) 1
176	95.0 - 101.0% of mass 174	74.8 (99.2) 1
177	5.0 - 9.0% of mass 176	4.8 (6.4) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX044540.D	12/30/2024	13:07
VX1231WBL01	VX1231WBL01	VX044542.D	12/30/2024	14:26
VX1231WBS01	VX1231WBS01	VX044543.D	12/30/2024	14:54
RE115D2-20241218	P5376-03	VX044546.D	12/30/2024	16:08
TB	P5376-21	VX044549.D	12/30/2024	17:18
TT205S1-20241218	P5376-01	VX044550.D	12/30/2024	17:41
TT150S1-20241218	P5376-02	VX044551.D	12/30/2024	18:05
TT149S1-20241218	P5376-04	VX044552.D	12/30/2024	18:28
TT174I1-20241218	P5376-06	VX044553.D	12/30/2024	18:51
RW10-MW01D-20241218	P5376-10	VX044554.D	12/30/2024	19:14
RW10A-MW01S-20241218	P5376-11	VX044555.D	12/30/2024	19:38
RW10A-MW01I-20241218	P5376-12	VX044556.D	12/30/2024	20:01
RE117D2-20241218	P5376-13	VX044557.D	12/30/2024	20:24
TT161S1-20241219	P5376-14	VX044558.D	12/30/2024	20:48
TT162S1-20241219	P5376-15	VX044559.D	12/30/2024	21:11
RW11-MW01S-20241219	P5376-16	VX044560.D	12/30/2024	21:34
RW11-MW01I-20241219	P5376-17	VX044561.D	12/30/2024	21:58
TT119S1-20241219	P5376-18	VX044562.D	12/30/2024	22:21

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH
Contract: AECO15
Lab Code: CHEM
Case No.: P5376
SAS No.: P5376
SDG NO.: P5376
Lab File ID: VX044539.D
BFB Injection Date: 12/30/2024
Instrument ID: MSVOA_X
BFB Injection Time: 12:39
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	53
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	75.4
175	5.0 - 9.0% of mass 174	6.2 (8.2) 1
176	95.0 - 101.0% of mass 174	74.8 (99.2) 1
177	5.0 - 9.0% of mass 176	4.8 (6.4) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
RW10-MW01S-20241218	P5376-07	VX044563.D	12/30/2024	22:44
RW10-MW01S-20241218MS	P5376-08MS	VX044564.D	12/30/2024	23:08
RW10-MW01S-20241218MSD	P5376-09MSD	VX044565.D	12/30/2024	23:31
VSTDCCC050EC	VSTDCCC050	VX044566.D	12/30/2024	23:54

Raw Data: **VX044567.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH
Contract: AECO15
Lab Code: CHEM
Case No.: P5376
SAS No.: P5376
SDG NO.: P5376
Lab File ID: VX044567.D
BFB Injection Date: 12/31/2024
Instrument ID: MSVOA_X
BFB Injection Time: 08:07
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 60.0% of mass 95	54.1
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	1 (1.3) 1
174	50.0 - 100.0% of mass 95	80.7
175	5.0 - 9.0% of mass 174	6.8 (8.4) 1
176	95.0 - 101.0% of mass 174	80 (99.2) 1
177	5.0 - 9.0% of mass 176	5.2 (6.5) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX044568.D	12/31/2024	10:00
VX1231WBL02	VX1231WBL02	VX044570.D	12/31/2024	10:49
VX1231WBS02	VX1231WBS02	VX044571.D	12/31/2024	11:12
DUP-07-20241218	P5376-05	VX044573.D	12/31/2024	12:14
FB03-20241219	P5376-20	VX044574.D	12/31/2024	12:37
TT188S1-20241219	P5376-19	VX044575.D	12/31/2024	13:01
VSTDCCC050EC	VSTDCCC050	VX044576.D	12/31/2024	13:27

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5376 SAS No.: P5376 SDG NO.: P5376

Lab File ID: VX044540.D Date Analyzed: 12/30/2024

Instrument ID: MSVOA_X Time Analyzed: 13:07

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	137969	5.54	223553	6.76	195826	10.06
UPPER LIMIT	275938	6.044	447106	7.257	391652	10.555
LOWER LIMIT	68984.5	5.044	111777	6.257	97913	9.555
EPA SAMPLE NO.						
TT205S1-20241218	125750	5.55	210247	6.76	190422	10.06
TT150S1-20241218	123263	5.55	213060	6.76	182287	10.06
RE115D2-20241218	118700	5.55	207183	6.76	174651	10.06
TT149S1-20241218	121289	5.55	209255	6.76	185772	10.06
TT174I1-20241218	127903	5.55	216454	6.76	194600	10.05
RW10-MW01S-20241218	109256	5.55	192338	6.76	172631	10.06
RW10-MW01S-20241218MS	121315	5.55	205358	6.76	185869	10.06
RW10-MW01S-20241218MSD	117366	5.55	203568	6.76	185270	10.06
RW10-MW01D-20241218	123900	5.55	212555	6.76	188273	10.06
RW10A-MW01S-20241218	122970	5.55	208916	6.76	183505	10.06
RW10A-MW01I-20241218	119008	5.54	207504	6.76	180793	10.05
RE117D2-20241218	114236	5.54	200838	6.76	178297	10.06
TT161S1-20241219	105027	5.55	186168	6.76	163359	10.06
TT162S1-20241219	114172	5.55	199344	6.76	174896	10.06
RW11-MW01S-20241219	109001	5.54	187510	6.76	162626	10.06
RW11-MW01I-20241219	114745	5.55	197414	6.76	174241	10.05
TT119S1-20241219	119469	5.55	211589	6.76	185760	10.06
TB	117791	5.55	206326	6.76	188782	10.05
VX1231WBL01	117464	5.55	200538	6.76	172503	10.06
VX1231WBS01	153746	5.54	254154	6.76	219785	10.06

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5376 SAS No.: P5376 SDG NO.: P5376

Lab File ID: VX044540.D Date Analyzed: 12/30/2024

Instrument ID: MSVOA_X Time Analyzed: 13:07

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	137969	5.54	223553	6.76	195826	10.06
UPPER LIMIT	275938	6.044	447106	7.257	391652	10.555
LOWER LIMIT	68984.5	5.044	111777	6.257	97913	9.555
EPA SAMPLE NO.						

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5376 SAS No.: P5376 SDG NO.: P5376

Lab File ID: VX044540.D Date Analyzed: 12/30/2024

Instrument ID: MSVOA_X Time Analyzed: 13:07

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	98470	12.018				
UPPER LIMIT	196940	12.518				
LOWER LIMIT	49235	11.518				
EPA SAMPLE NO.						
TT205S1-20241218	80361	12.02				
TT150S1-20241218	76648	12.02				
RE115D2-20241218	70024	12.02				
TT149S1-20241218	82258	12.02				
TT174I1-20241218	84267	12.02				
RW10-MW01S-20241218	69122	12.02				
RW10-MW01S-20241218MS	88817	12.02				
RW10-MW01S-20241218MSD	88862	12.02				
RW10-MW01D-20241218	80341	12.02				
RW10A-MW01S-20241218	75781	12.02				
RW10A-MW01I-20241218	73748	12.02				
RE117D2-20241218	70367	12.02				
TT161S1-20241219	66627	12.02				
TT162S1-20241219	74318	12.02				
RW11-MW01S-20241219	63684	12.02				
RW11-MW01I-20241219	75591	12.02				
TT119S1-20241219	75337	12.02				
TB	77501	12.02				
VX1231WBL01	71731	12.02				
VX1231WBS01	100843	12.02				

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5376 SAS No.: P5376 SDG NO.: P5376

Lab File ID: VX044540.D Date Analyzed: 12/30/2024

Instrument ID: MSVOA_X Time Analyzed: 13:07

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	98470	12.018				
UPPER LIMIT	196940	12.518				
LOWER LIMIT	49235	11.518				
EPA SAMPLE NO.						

IS4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5376 SAS No.: P5376 SDG NO.: P5376

Lab File ID: VX044568.D Date Analyzed: 12/31/2024

Instrument ID: MSVOA_X Time Analyzed: 10:00

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	126884	5.54	200592	6.76	176322	10.05
UPPER LIMIT	253768	6.038	401184	7.257	352644	10.549
LOWER LIMIT	63442	5.038	100296	6.257	88161	9.549
EPA SAMPLE NO.						
DUP-07-20241218	126196	5.54	215542	6.76	190830	10.06
TT188S1-20241219	131976	5.55	226699	6.76	193617	10.06
FB03-20241219	125076	5.54	211805	6.76	185221	10.06
VX1231WBL02	128703	5.54	217401	6.76	189142	10.05
VX1231WBS02	157790	5.54	262850	6.76	220076	10.05

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5376 SAS No.: P5376 SDG NO.: P5376

Lab File ID: VX044568.D Date Analyzed: 12/31/2024

Instrument ID: MSVOA_X Time Analyzed: 10:00

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	86636	12.018				
UPPER LIMIT	173272	12.518				
LOWER LIMIT	43318	11.518				
EPA SAMPLE NO.						
DUP-07-20241218	83236	12.02				
TT188S1-20241219	80709	12.02				
FB03-20241219	85230	12.02				
VX1231WBL02	80019	12.02				
VX1231WBS02	100083	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SAMPLE DATA

Raw Data: **VX044550.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT205S1-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044550.D	1		12/30/24 17:41	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.37	J	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.50	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.29	J	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.56	J	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.38	J	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	6.90		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX044550.D**

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT205S1-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044550.D	1		12/30/24 17:41	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.49	J	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.1		81 - 118		86%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	53.2		89 - 112		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	126000	5.55				
540-36-3	1,4-Difluorobenzene	210000	6.757				
3114-55-4	Chlorobenzene-d5	190000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	80400	12.024				

Raw Data: **VX044550.D**

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT205S1-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044550.D	1		12/30/24 17:41	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Sample Results: **VX044550.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044550.D
Acq On : 30 Dec 2024 17:41
Operator : JC/MD
Sample : P5376-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20241218

Quant Time: Dec 31 00:34:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	125750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	210247	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	190422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80361	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95051	43.111	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 86.220%			
35) Dibromofluoromethane	5.385	113	73742	50.642	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.280%			
50) Toluene-d8	8.647	98	261405	53.211	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.420%			
62) 4-Bromofluorobenzene	11.079	95	85625	49.881	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.760%			
Target Compounds						Qvalue
3) Chloromethane	1.295	50	486	0.261	ug/l	90
12) 1,1-Dichloroethene	2.307	96	514	0.365	ug/l	79
16) Acetone	2.386	43	1351	1.503	ug/l #	85
19) Methyl tert-butyl Ether	3.123	73	1598	0.291	ug/l #	83
20) Methylene Chloride	2.776	84	939	0.556	ug/l #	59
30) Chloroform	5.099	83	1260	0.381	ug/l	84
44) Trichloroethene	7.123	130	9770	6.855	ug/l	88
64) Tetrachloroethene	9.269	164	619	0.490	ug/l #	45

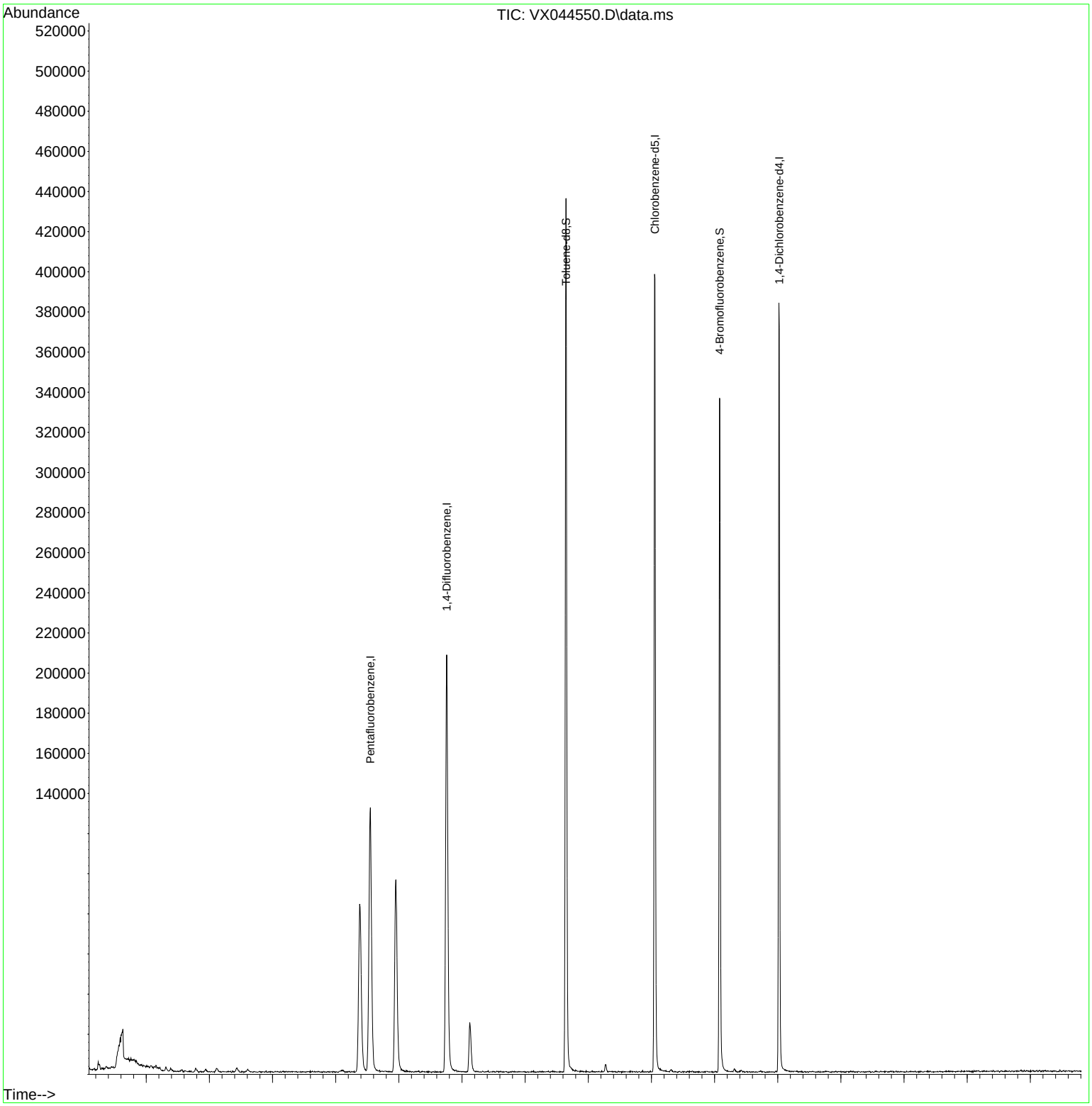
(#) = qualifier out of range (m) = manual integration (+) = signals summed

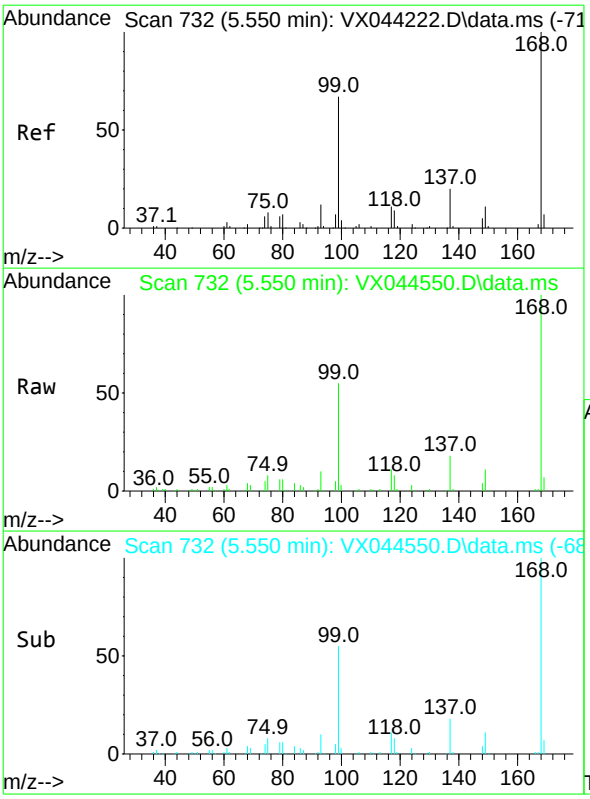
Sample Results: **VX044550.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044550.D
Acq On : 30 Dec 2024 17:41
Operator : JC/MD
Sample : P5376-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20241218

Quant Time: Dec 31 00:34:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



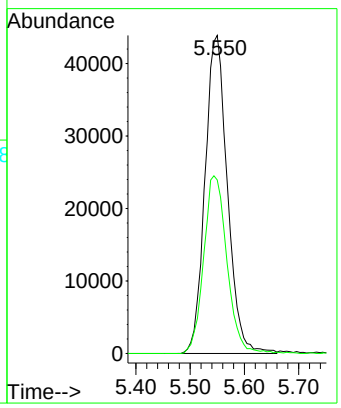


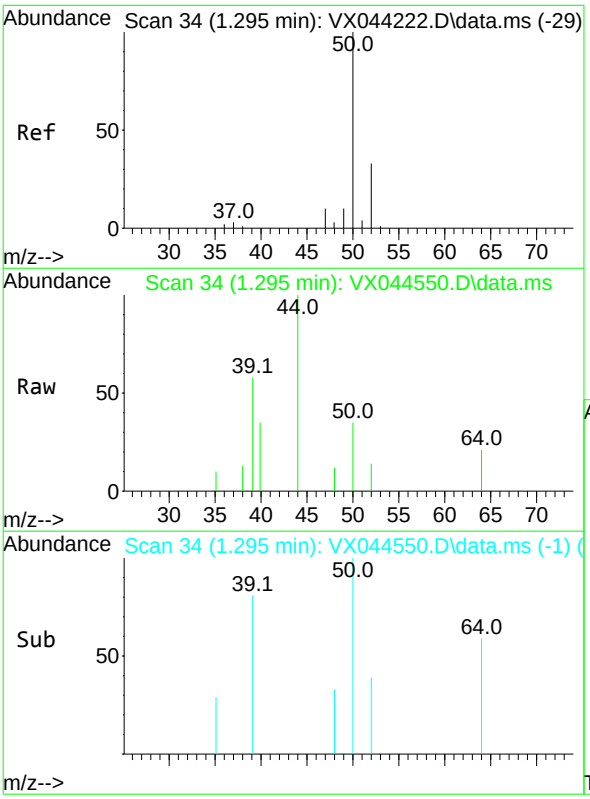
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044550.D
Acq: 30 Dec 2024 17:41

Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20241218

Tgt Ion:168 Resp: 125750

Ion	Ratio	Lower	Upper
168	100		
99	54.6	53.4	80.0

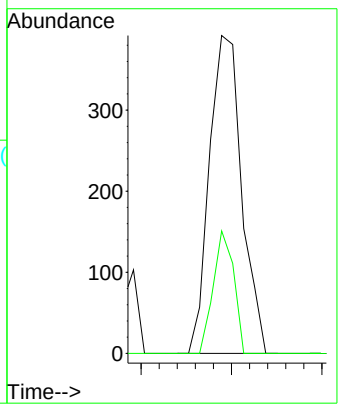


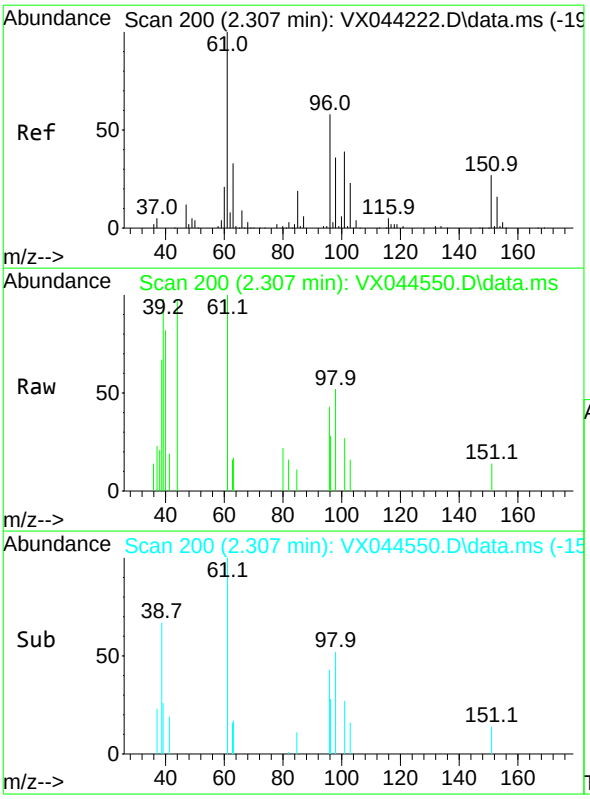


#3
Chloromethane
Concen: 0.261 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX044550.D
Acq: 30 Dec 2024 17:41

Tgt Ion: 50 Resp: 486

Ion	Ratio	Lower	Upper
50	100		
52	38.5	26.5	39.7



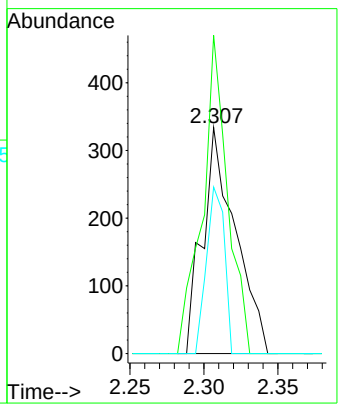


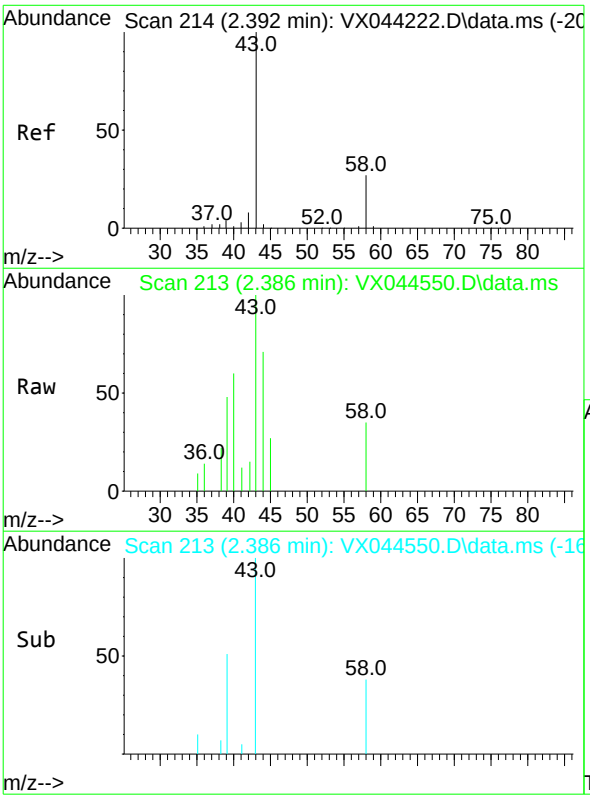
#12
1,1-Dichloroethene
Concen: 0.365 ug/l
RT: 2.307 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044550.D
Acq: 30 Dec 2024 17:41

Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20241218

Tgt Ion: 96 Resp: 514

Ion	Ratio	Lower	Upper
96	100		
61	140.7	138.0	207.0
98	73.7	50.0	75.0

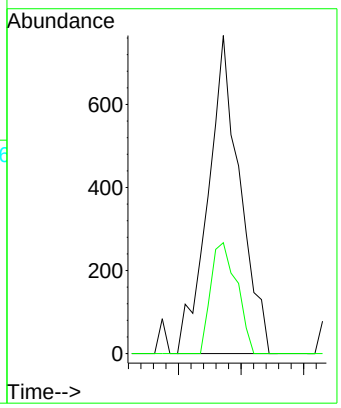


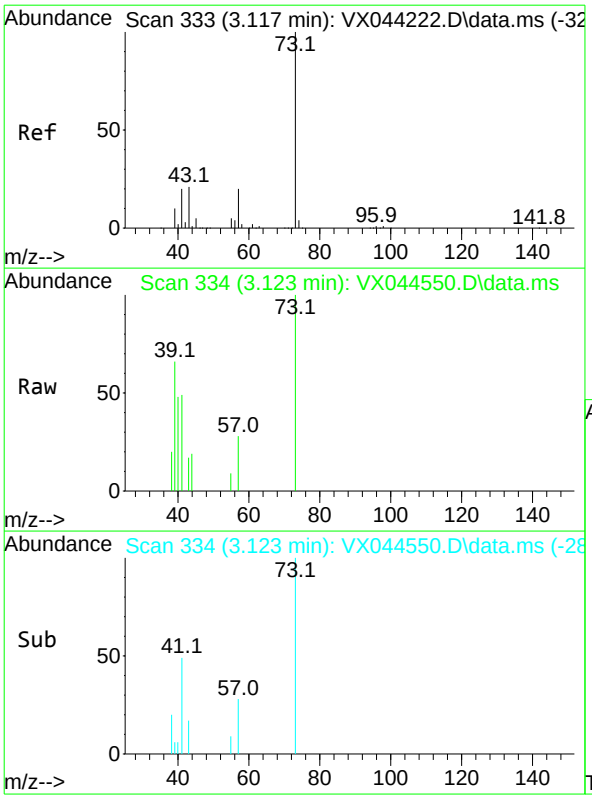


#16
Acetone
Concen: 1.503 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044550.D
Acq: 30 Dec 2024 17:41

Tgt Ion: 43 Resp: 1351

Ion	Ratio	Lower	Upper
43	100		
58	34.9	21.6	32.4#



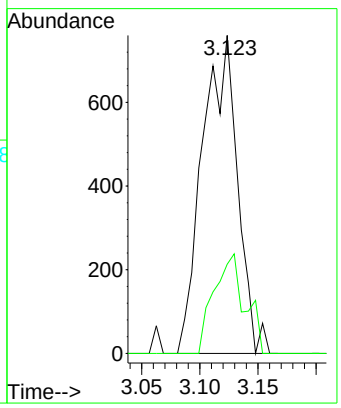


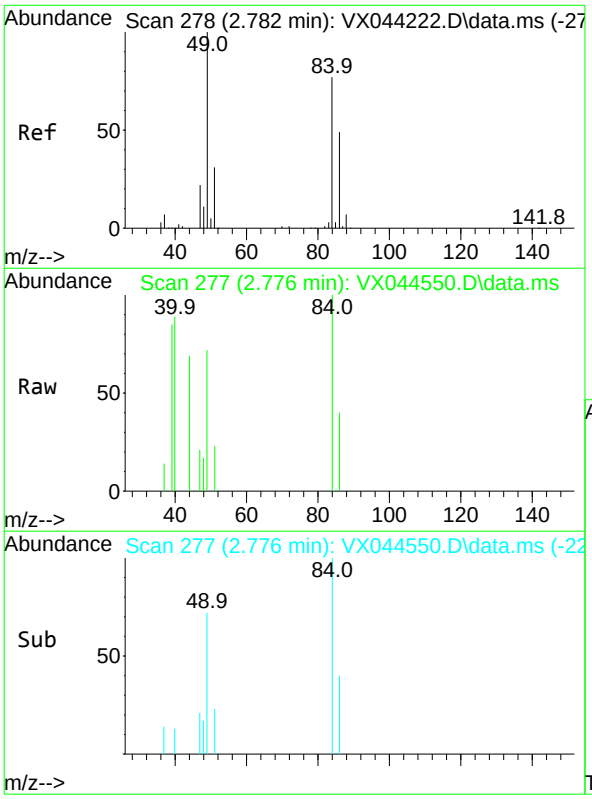
#19
Methyl tert-butyl Ether
Concen: 0.291 ug/l
RT: 3.123 min Scan# 33
Delta R.T. 0.006 min
Lab File: VX044550.D
Acq: 30 Dec 2024 17:41

Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20241218

Tgt Ion: 73 Resp: 1598

Ion	Ratio	Lower	Upper
73	100		
57	28.0	16.2	24.4#

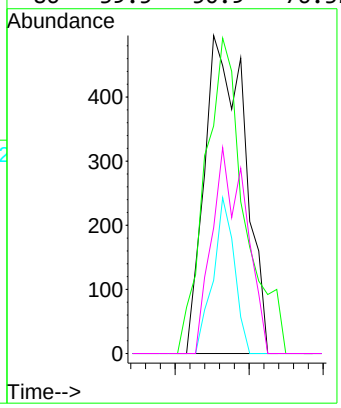


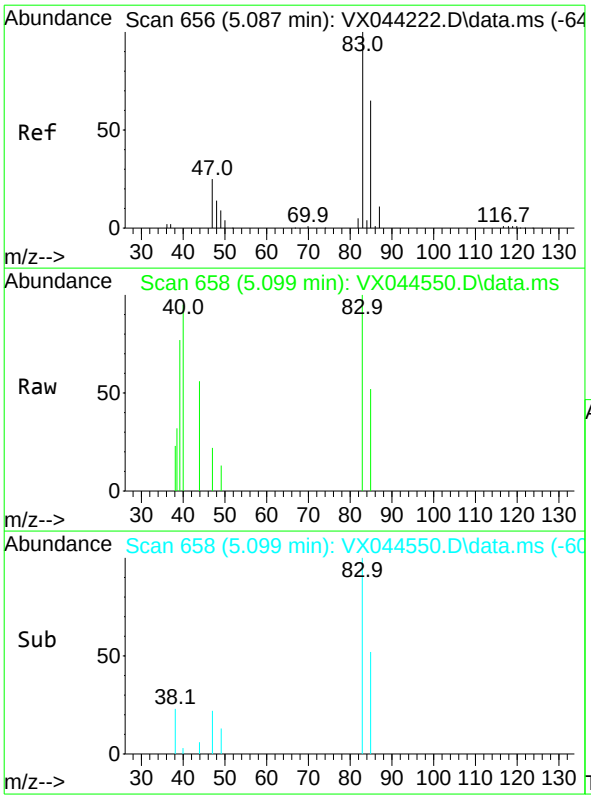


#20
Methylene Chloride
Concen: 0.556 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX044550.D
Acq: 30 Dec 2024 17:41

Tgt Ion: 84 Resp: 939

Ion	Ratio	Lower	Upper
84	100		
49	71.6	104.2	156.4#
51	23.0	32.2	48.4#
86	39.5	50.9	76.3#



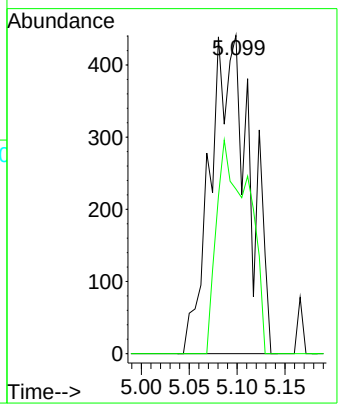


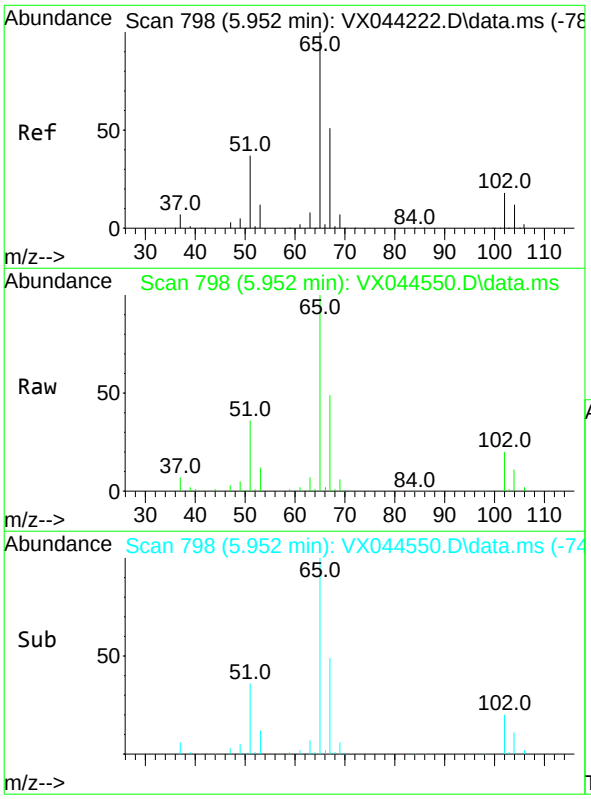
#30
Chloroform
Concen: 0.381 ug/l
RT: 5.099 min Scan# 65
Delta R.T. 0.012 min
Lab File: VX044550.D
Acq: 30 Dec 2024 17:41

Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20241218

Tgt Ion: 83 Resp: 1260

Ion	Ratio	Lower	Upper
83	100		
85	51.7	51.6	77.4

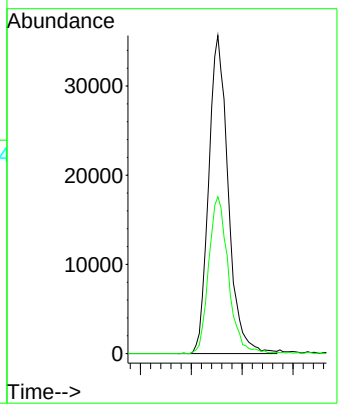


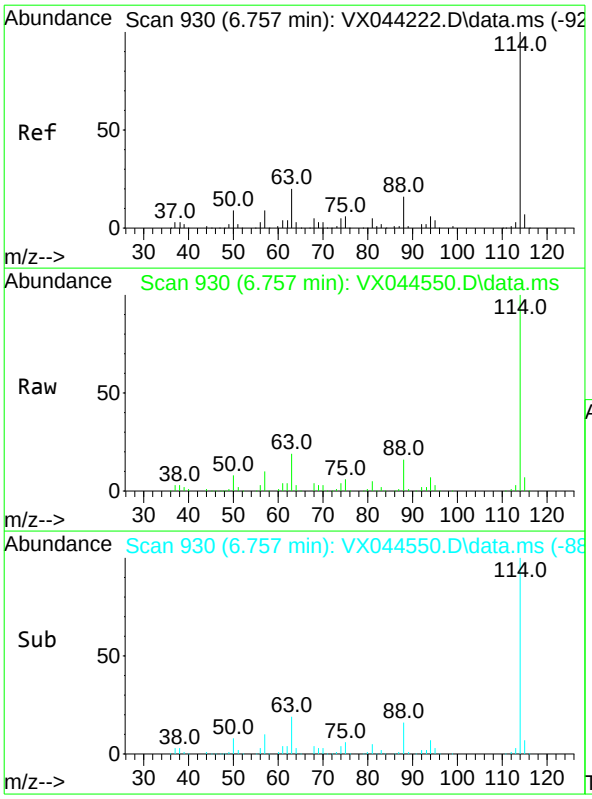


#33
1,2-Dichloroethane-d4
Concen: 43.111 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX044550.D
Acq: 30 Dec 2024 17:41

Tgt Ion: 65 Resp: 95051

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	101.6



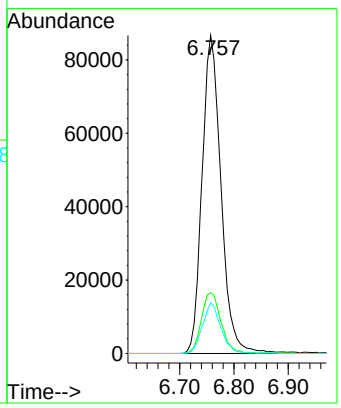


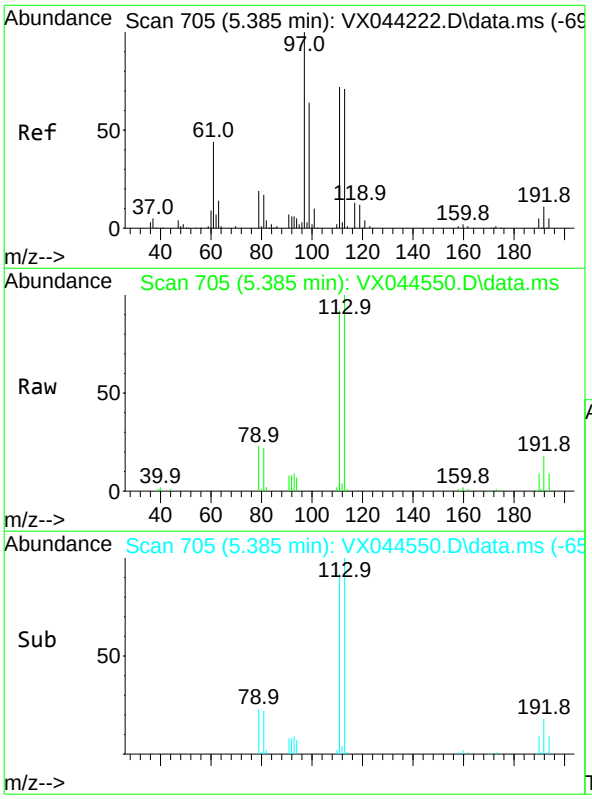
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX044550.D
Acq: 30 Dec 2024 17:41

Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20241218

Tgt Ion:114 Resp: 210247

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	40.6
88	16.0	0.0	31.8

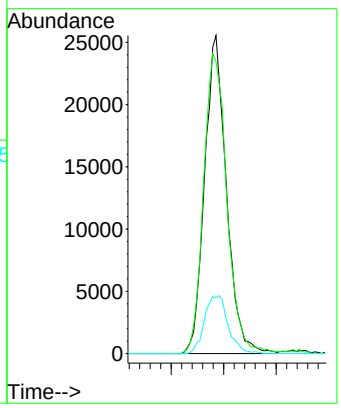


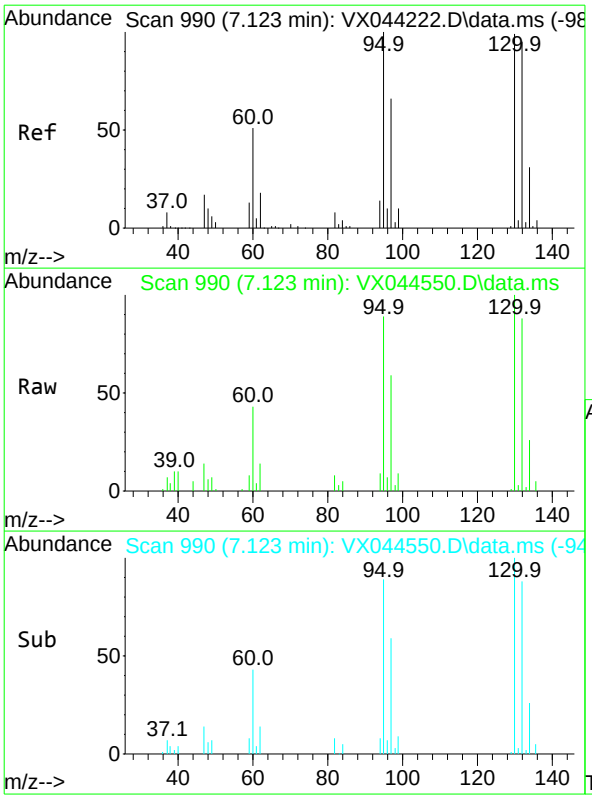


#35
Dibromofluoromethane
Concen: 50.642 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX044550.D
Acq: 30 Dec 2024 17:41

Tgt Ion:113 Resp: 73742

Ion	Ratio	Lower	Upper
113	100		
111	100.8	80.4	120.6
192	19.6	13.3	19.9



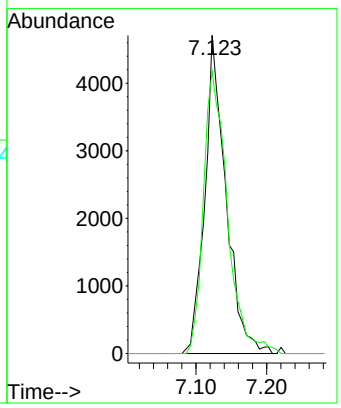


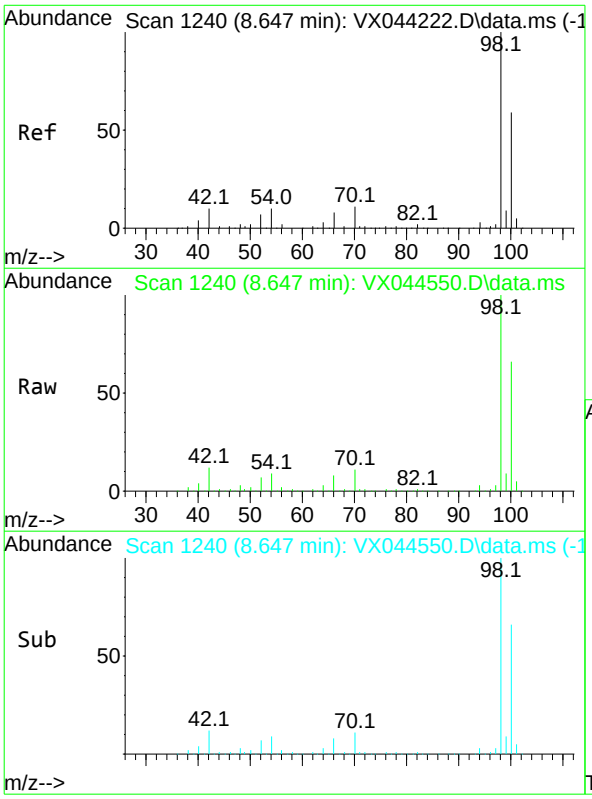
#44
Trichloroethene
Concen: 6.855 ug/l
RT: 7.123 min Scan# 99
Delta R.T. 0.000 min
Lab File: VX044550.D
Acq: 30 Dec 2024 17:41

Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20241218

Tgt Ion:130 Resp: 9770

Ion	Ratio	Lower	Upper
130	100		
95	88.7	0.0	201.4

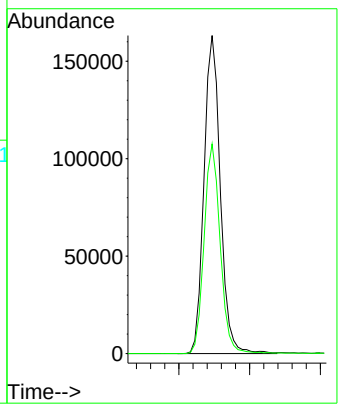


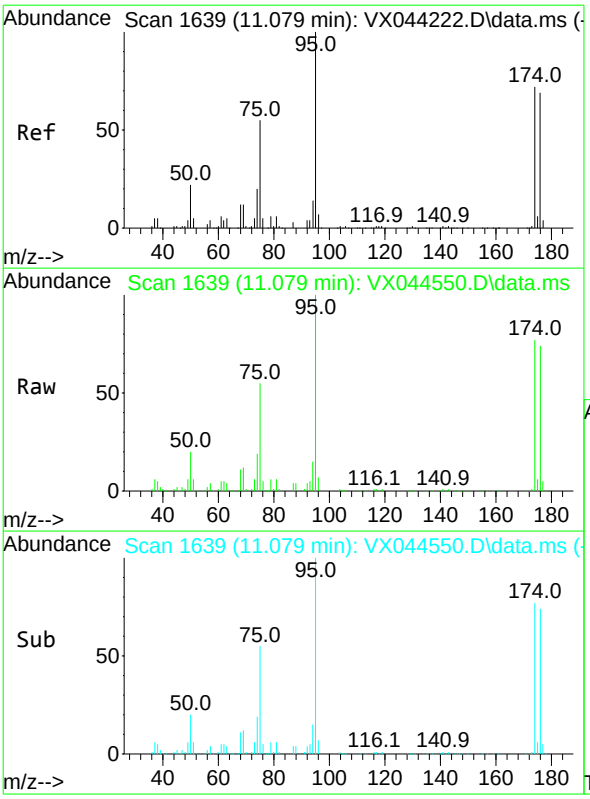


#50
Toluene-d8
Concen: 53.211 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044550.D
Acq: 30 Dec 2024 17:41

Tgt Ion: 98 Resp: 261405

Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.5	77.3



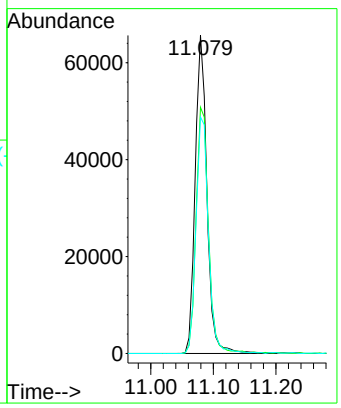


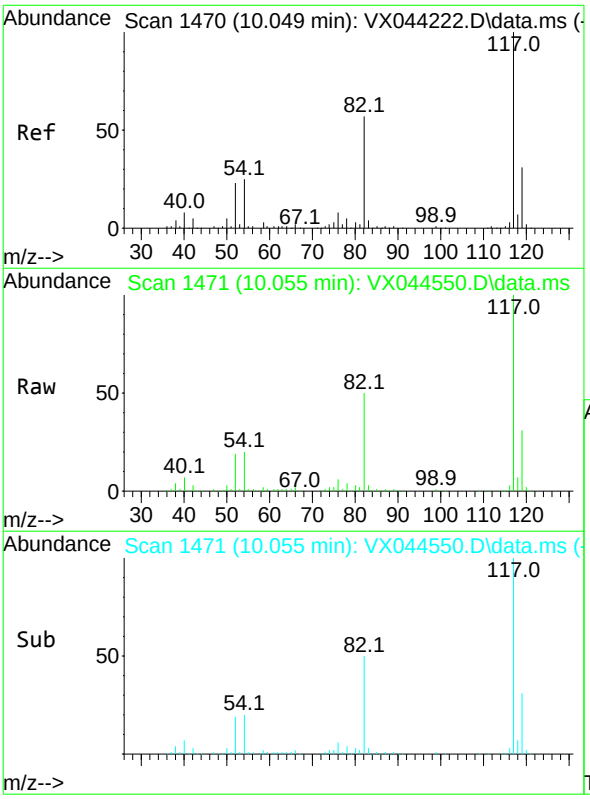
#62
4-Bromofluorobenzene
Concen: 49.881 ug/l
RT: 11.079 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044550.D
Acq: 30 Dec 2024 17:41

Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20241218

Tgt Ion: 95 Resp: 85625

Ion	Ratio	Lower	Upper
95	100		
174	81.5	0.0	145.8
176	79.0	0.0	137.8

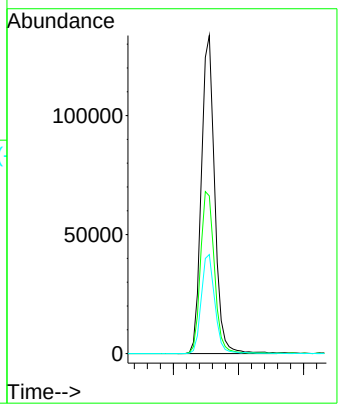


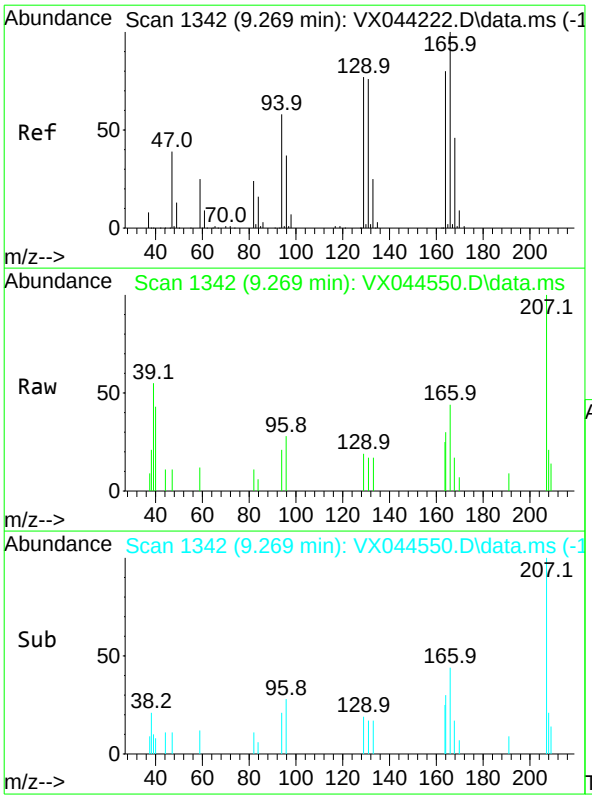


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044550.D
Acq: 30 Dec 2024 17:41

Tgt Ion:117 Resp: 190422

Ion	Ratio	Lower	Upper
117	100		
82	49.6	45.8	68.8
119	31.1	25.0	37.4



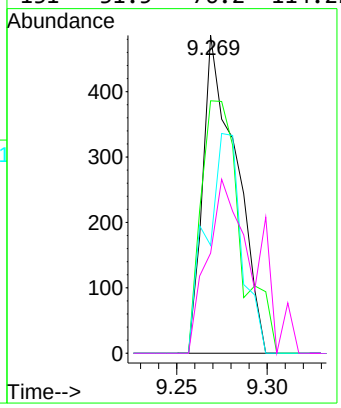


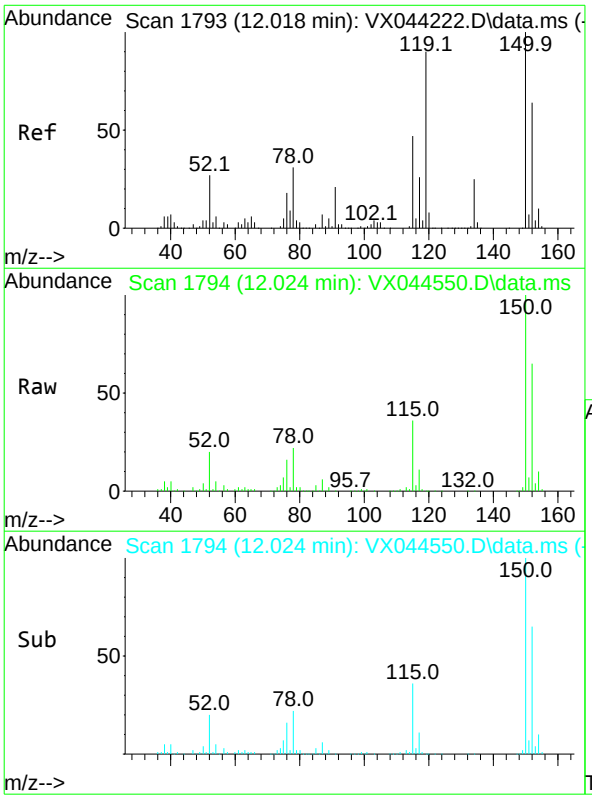
#64
Tetrachloroethene
Concen: 0.490 ug/l
RT: 9.269 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044550.D
Acq: 30 Dec 2024 17:41

Instrument :
MSVOA_X
ClientSampleId :
TT205S1-20241218

Tgt Ion:164 Resp: 619

Ion	Ratio	Lower	Upper
164	100		
166	79.4	100.4	150.6#
129	34.0	77.2	115.8#
131	31.5	76.2	114.2#

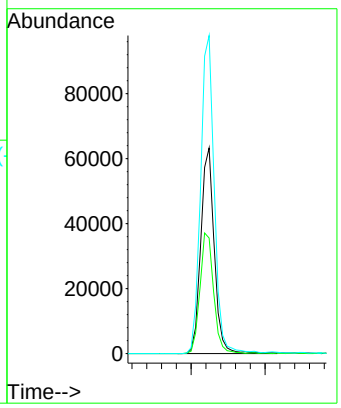




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044550.D
Acq: 30 Dec 2024 17:41

Tgt Ion:152 Resp: 80361

Ion	Ratio	Lower	Upper
152	100		
115	59.3	44.5	133.3
150	156.2	0.0	353.8



Raw Data: **VX044551.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT150S1-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044551.D	1		12/30/24 18:05	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.40	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.47	J	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.41	J	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	12.7		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX044551.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT150S1-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044551.D	1		12/30/24 18:05	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	1.20		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.4		81 - 118		87%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	52.4		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.4		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	123000	5.549				
540-36-3	1,4-Difluorobenzene	213000	6.756				
3114-55-4	Chlorobenzene-d5	182000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	76600	12.024				

Raw Data: **VX044551.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT150S1-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044551.D	1		12/30/24 18:05	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Sample Results: **VX044551.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044551.D
Acq On : 30 Dec 2024 18:05
Operator : JC/MD
Sample : P5376-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT150S1-20241218

Quant Time: Dec 31 00:34:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.549	168	123263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.756	114	213060	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	182287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93869	43.434	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 86.860%			
35) Dibromofluoromethane	5.385	113	73175	49.589	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.180%			
50) Toluene-d8	8.646	98	260671	52.361	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.720%			
62) 4-Bromofluorobenzene	11.079	95	82386	47.360	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.720%			
Target Compounds						Qvalue
16) Acetone	2.385	43	1245	1.413	ug/l	96
20) Methylene Chloride	2.782	84	780	0.471	ug/l #	64
30) Chloroform	5.092	83	1332	0.410	ug/l	95
44) Trichloroethene	7.122	130	18376	12.724	ug/l	87
64) Tetrachloroethene	9.274	164	1431	1.183	ug/l #	84

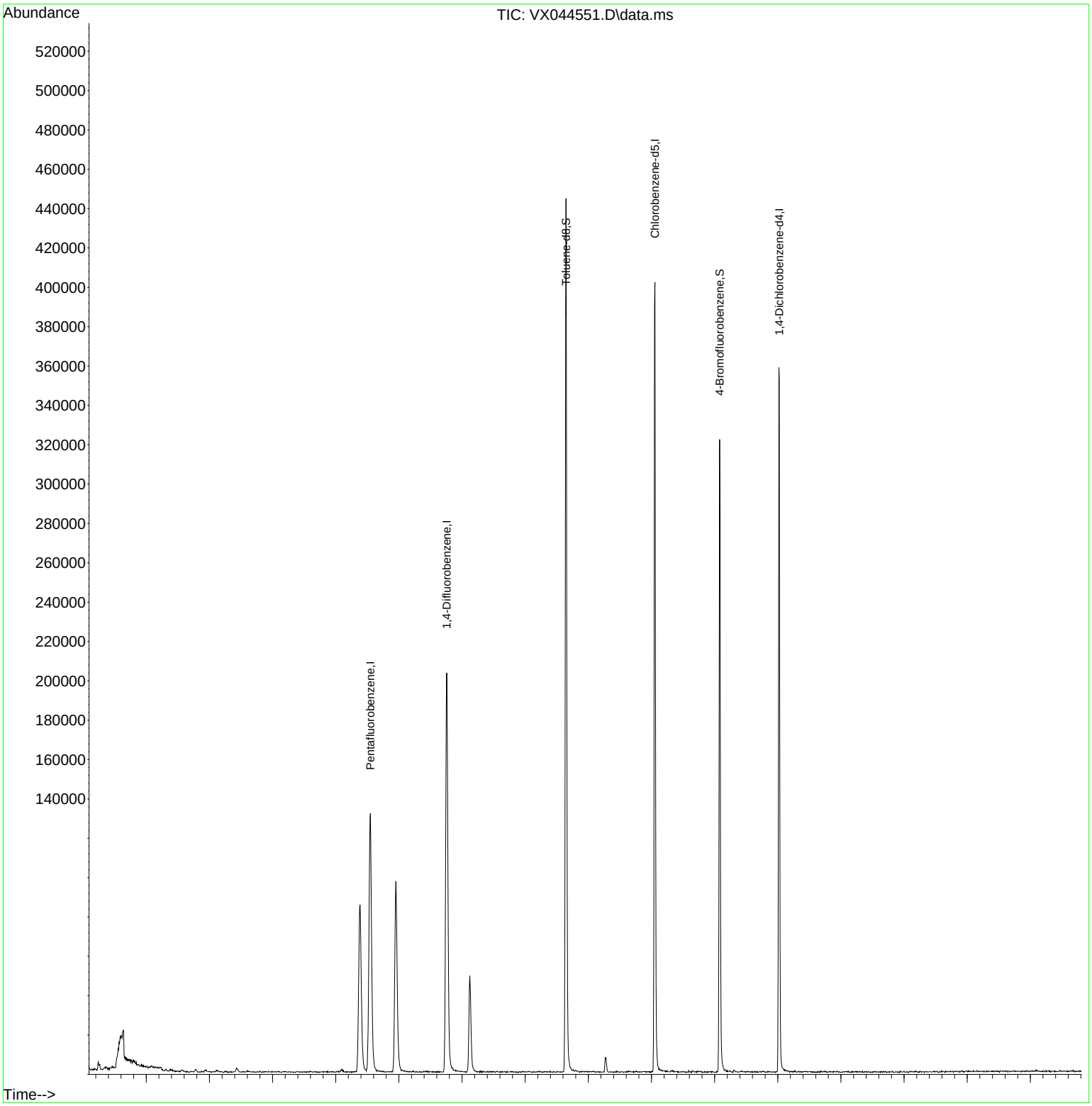
(#) = qualifier out of range (m) = manual integration (+) = signals summed

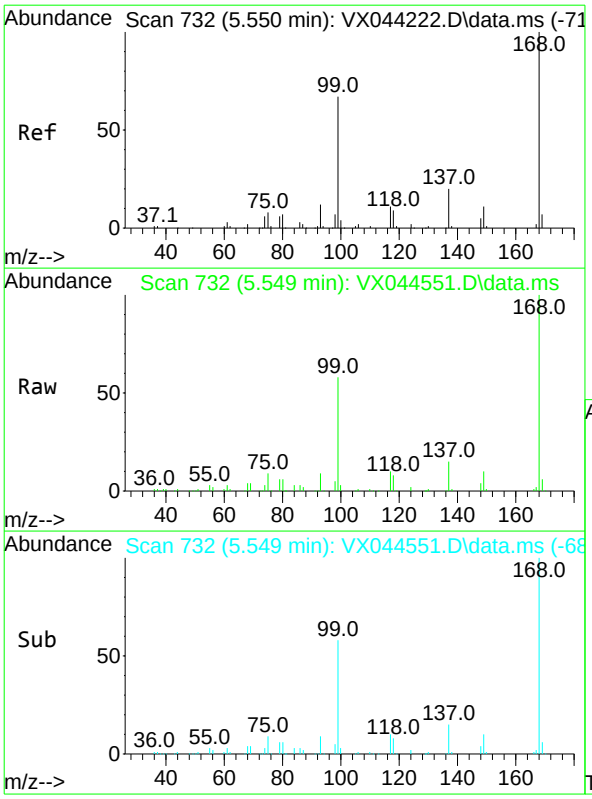
Sample Results: **VX044551.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044551.D
Acq On : 30 Dec 2024 18:05
Operator : JC/MD
Sample : P5376-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT150S1-20241218

Quant Time: Dec 31 00:34:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



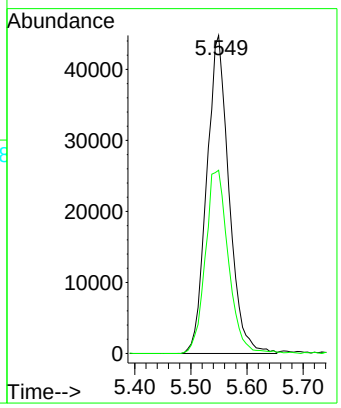


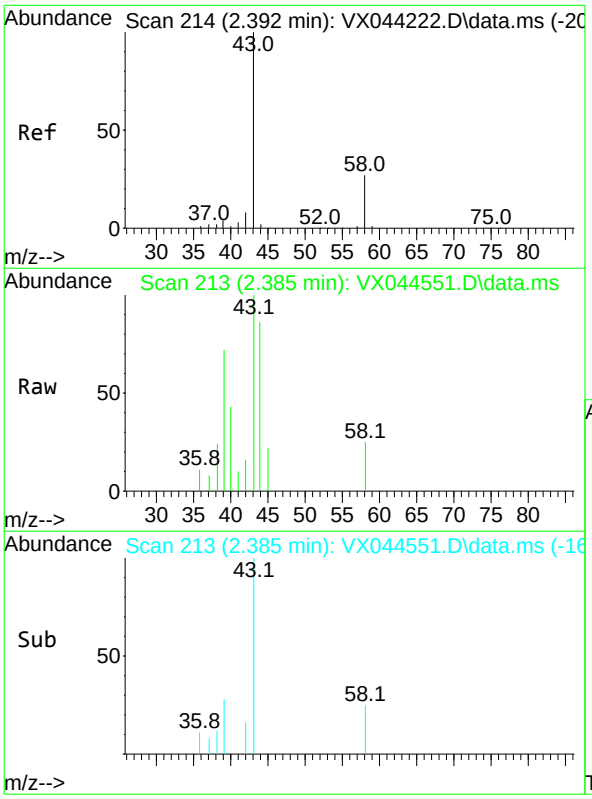
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 73
Delta R.T. -0.001 min
Lab File: VX044551.D
Acq: 30 Dec 2024 18:05

Instrument :
MSVOA_X
ClientSampleId :
TT150S1-20241218

Tgt Ion:168 Resp: 123263

Ion	Ratio	Lower	Upper
168	100		
99	57.6	53.4	80.0

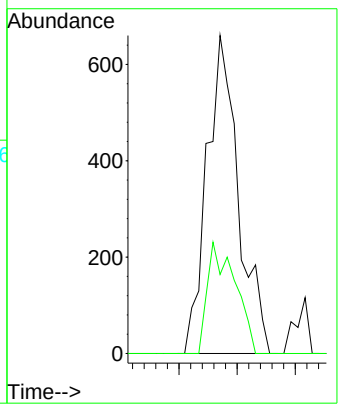


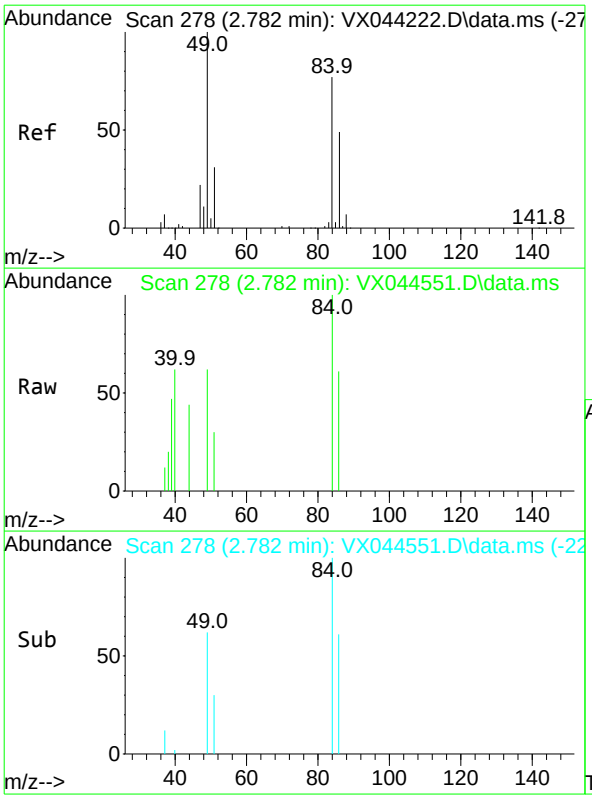


#16
Acetone
Concen: 1.413 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX044551.D
Acq: 30 Dec 2024 18:05

Tgt Ion: 43 Resp: 1245

Ion	Ratio	Lower	Upper
43	100		
58	24.8	21.6	32.4



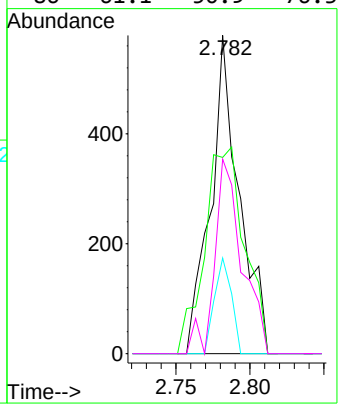


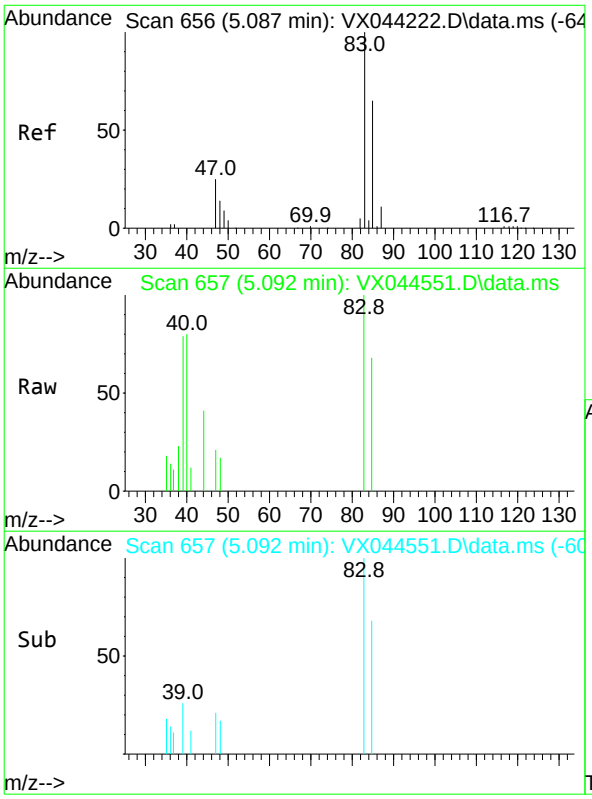
#20
Methylene Chloride
Concen: 0.471 ug/l
RT: 2.782 min Scan# 27
Delta R.T. -0.001 min
Lab File: VX044551.D
Acq: 30 Dec 2024 18:05

Instrument :
MSVOA_X
ClientSampleId :
TT150S1-20241218

Tgt Ion: 84 Resp: 780

Ion	Ratio	Lower	Upper
84	100		
49	61.7	104.2	156.4#
51	30.1	32.2	48.4#
86	61.1	50.9	76.3

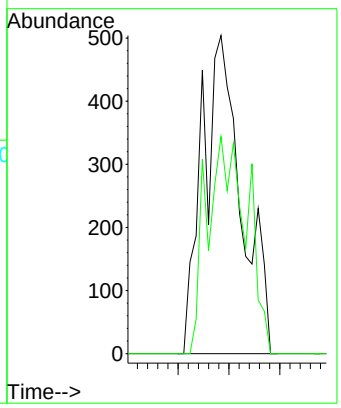


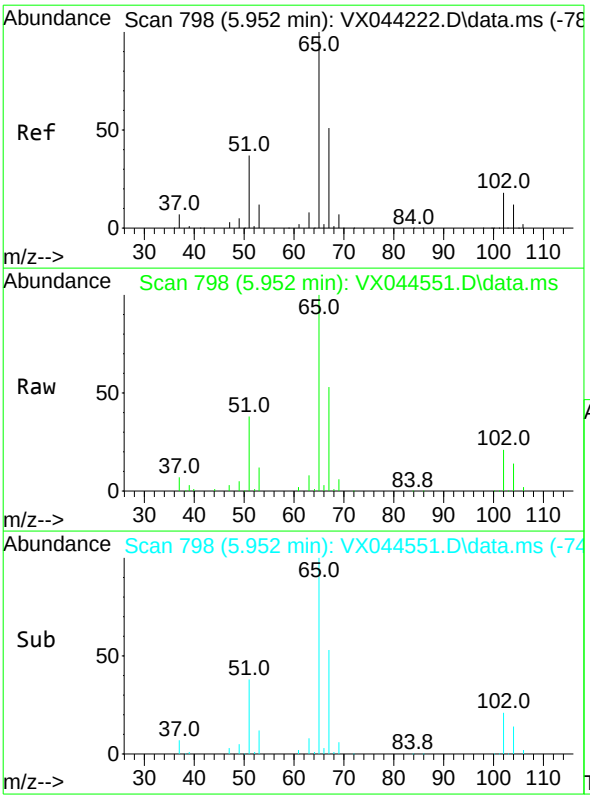


#30
Chloroform
Concen: 0.410 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044551.D
Acq: 30 Dec 2024 18:05

Tgt Ion: 83 Resp: 1332

Ion	Ratio	Lower	Upper
83	100		
85	68.3	51.6	77.4



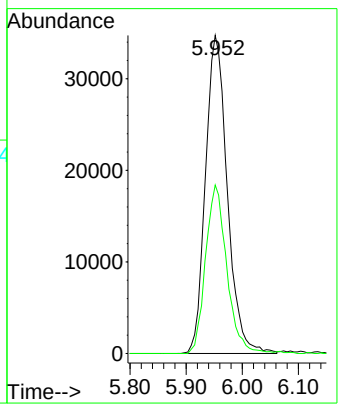


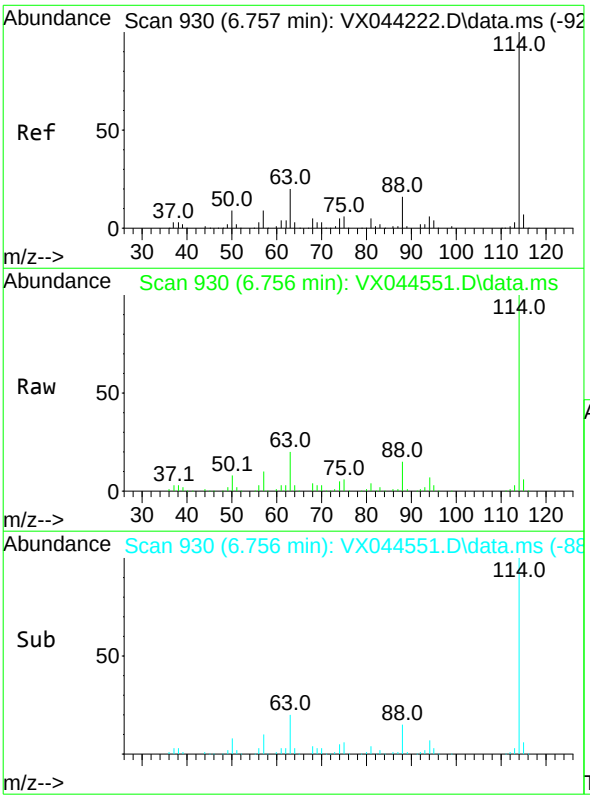
#33
1,2-Dichloroethane-d4
Concen: 43.434 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044551.D
Acq: 30 Dec 2024 18:05

Instrument :
MSVOA_X
ClientSampleId :
TT150S1-20241218

Tgt Ion: 65 Resp: 93869

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	101.6

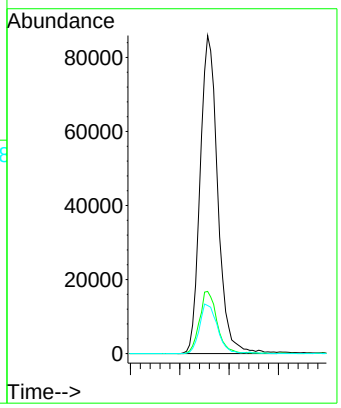


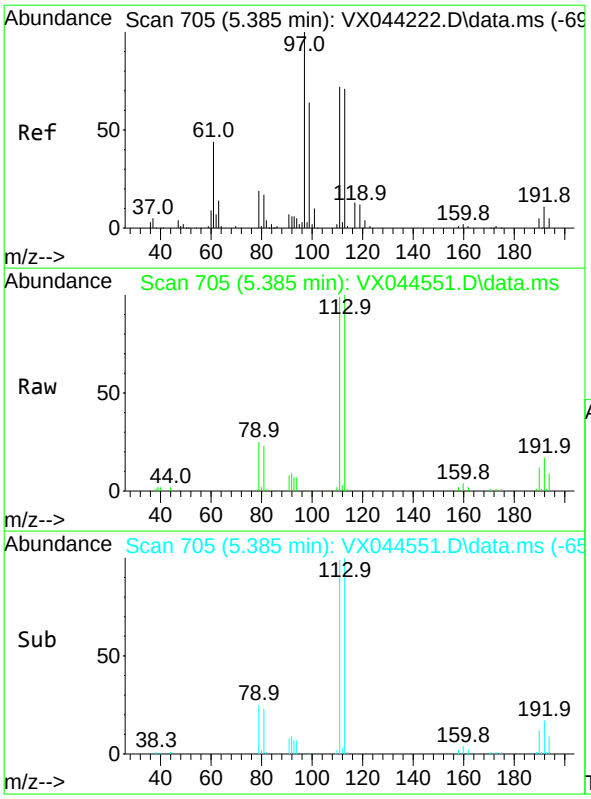


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.756 min Scan# 930
Delta R.T. -0.001 min
Lab File: VX044551.D
Acq: 30 Dec 2024 18:05

Tgt Ion:114 Resp: 213060

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	40.6
88	15.1	0.0	31.8



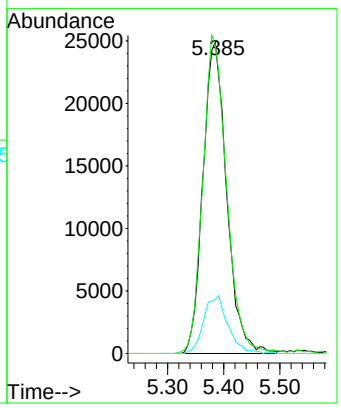


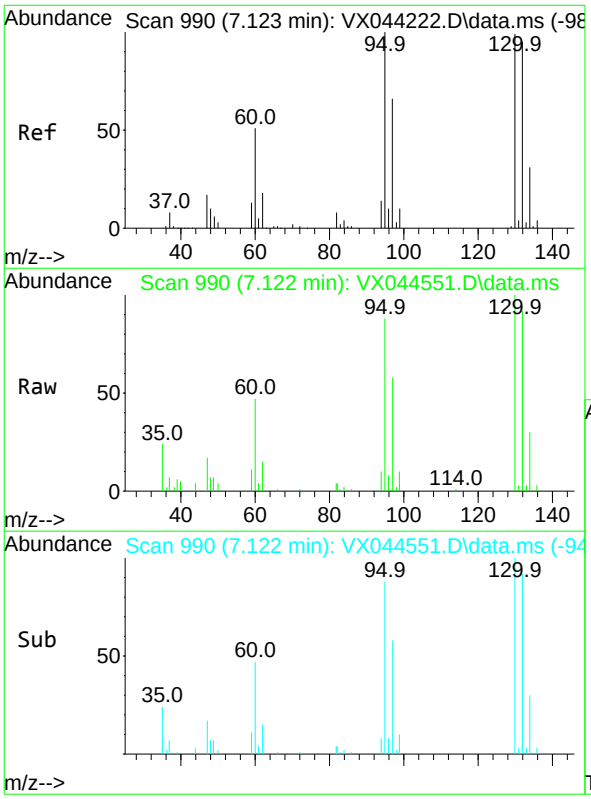
#35
Dibromofluoromethane
Concen: 49.589 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044551.D
Acq: 30 Dec 2024 18:05

Instrument :
MSVOA_X
ClientSampleId :
TT150S1-20241218

Tgt Ion:113 Resp: 73175

Ion	Ratio	Lower	Upper
113	100		
111	102.3	80.4	120.6
192	18.8	13.3	19.9

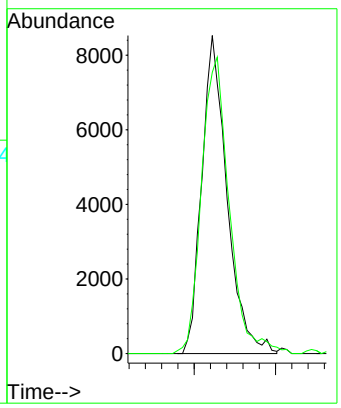


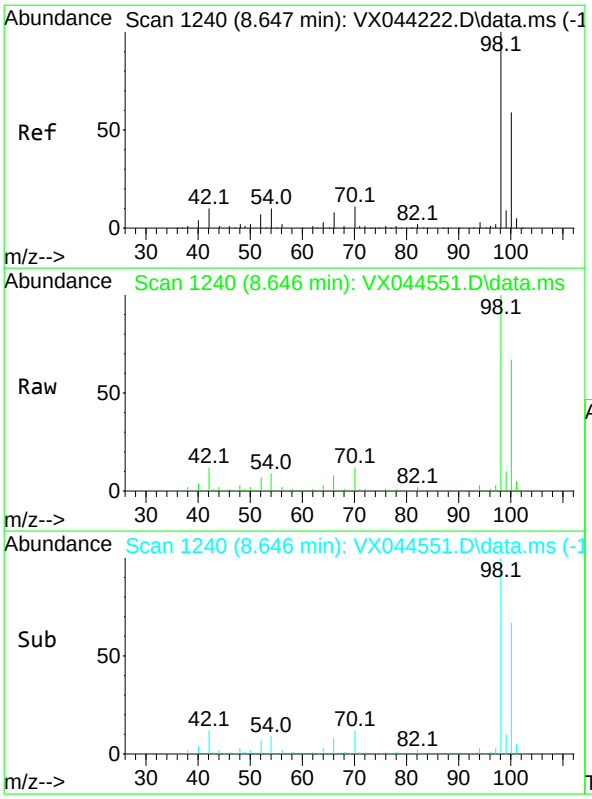


#44
Trichloroethene
Concen: 12.724 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044551.D
Acq: 30 Dec 2024 18:05

Tgt Ion:130 Resp: 18376

Ion	Ratio	Lower	Upper
130	100		
95	87.5	0.0	201.4



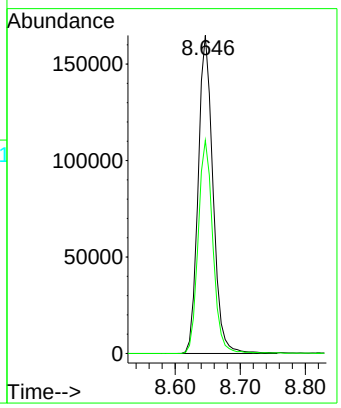


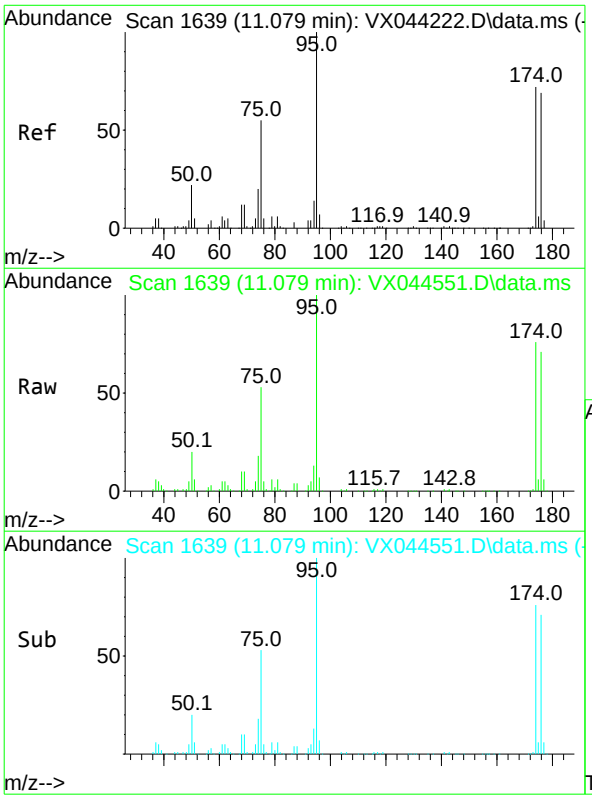
#50
Toluene-d8
Concen: 52.361 ug/l
RT: 8.646 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044551.D
Acq: 30 Dec 2024 18:05

Instrument :
MSVOA_X
ClientSampleId :
TT150S1-20241218

Tgt Ion: 98 Resp: 260671

Ion	Ratio	Lower	Upper
98	100		
100	66.5	51.5	77.3

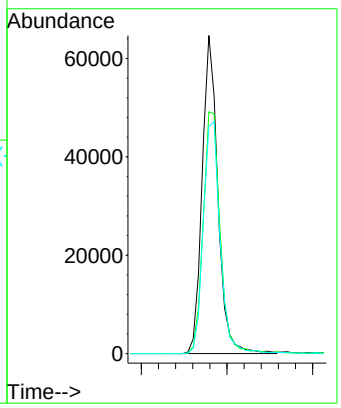


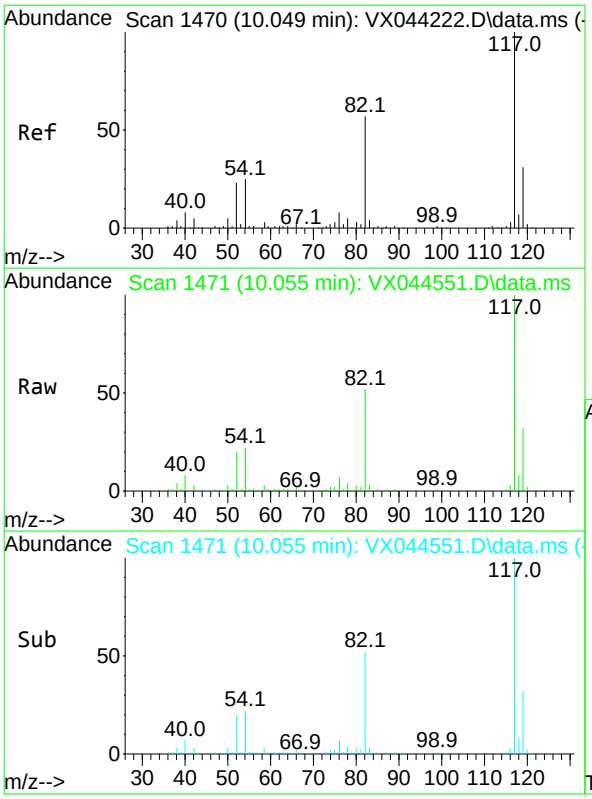


#62
4-Bromofluorobenzene
Concen: 47.360 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.001 min
Lab File: VX044551.D
Acq: 30 Dec 2024 18:05

Tgt Ion: 95 Resp: 82386

Ion	Ratio	Lower	Upper
95	100		
174	82.1	0.0	145.8
176	78.6	0.0	137.8



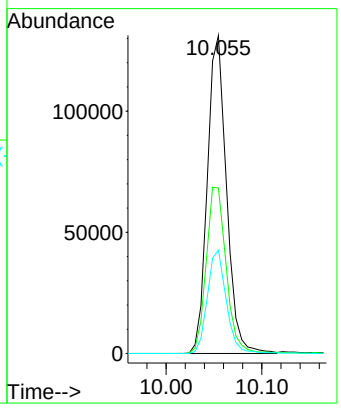


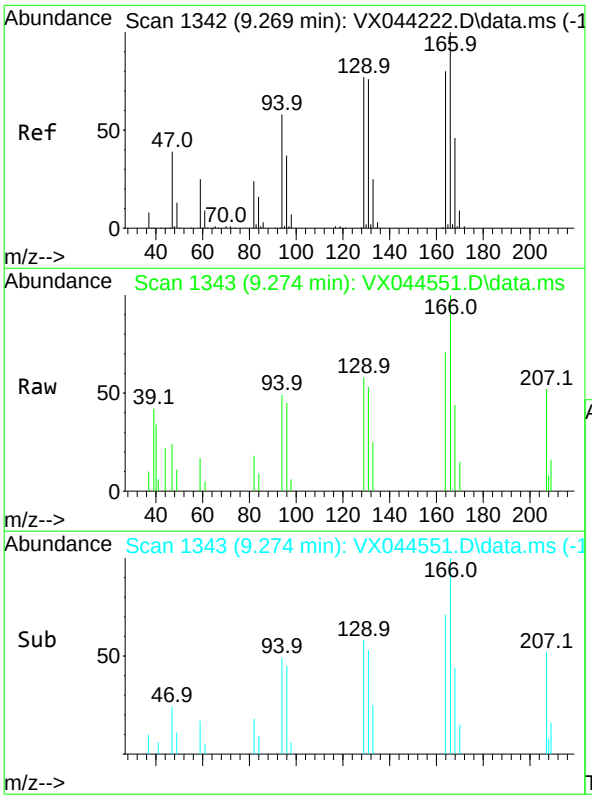
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044551.D
Acq: 30 Dec 2024 18:05

Instrument :
MSVOA_X
ClientSampleId :
TT150S1-20241218

Tgt Ion:117 Resp: 182287

Ion	Ratio	Lower	Upper
117	100		
82	52.1	45.8	68.8
119	32.5	25.0	37.4

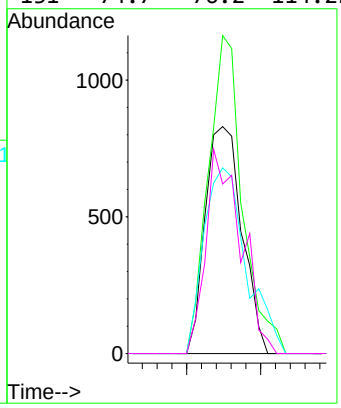


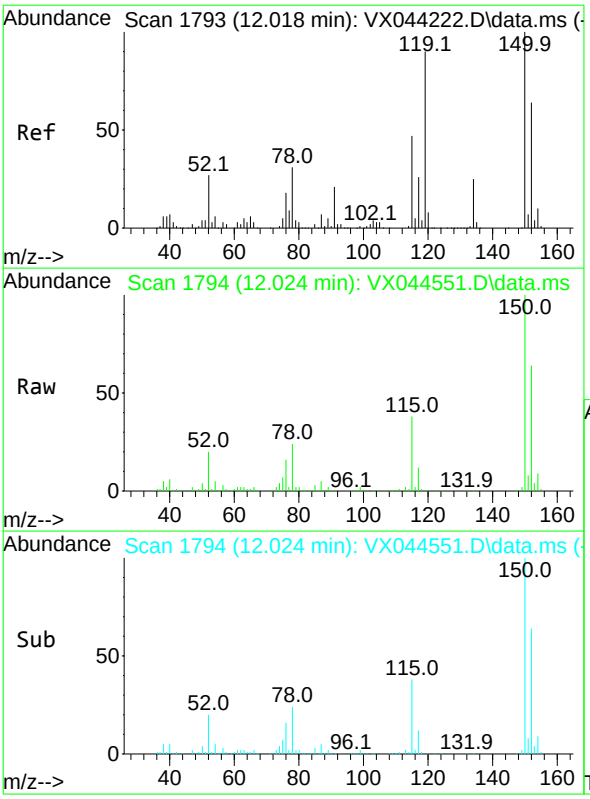


#64
Tetrachloroethene
Concen: 1.183 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044551.D
Acq: 30 Dec 2024 18:05

Tgt Ion:164 Resp: 1431

Ion	Ratio	Lower	Upper
164	100		
166	140.1	100.4	150.6
129	81.8	77.2	115.8
131	74.7	76.2	114.2#



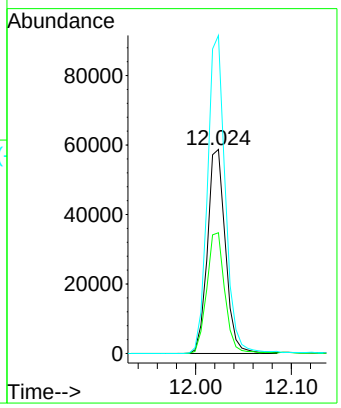


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. 0.006 min
Lab File: VX044551.D
Acq: 30 Dec 2024 18:05

Instrument :
MSVOA_X
ClientSampleId :
TT150S1-20241218

Tgt Ion:152 Resp: 76648

Ion	Ratio	Lower	Upper
152	100		
115	59.6	44.5	133.3
150	154.9	0.0	353.8



Raw Data: **VX044546.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RE115D2-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044546.D	40		12/30/24 16:08	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.0	U	8.40	20.0	40.0	ug/L
74-87-3	Chloromethane	20.0	U	14.0	20.0	40.0	ug/L
75-01-4	Vinyl Chloride	30.0	U	13.6	30.0	40.0	ug/L
74-83-9	Bromomethane	150	U	54.4	150	200	ug/L
75-00-3	Chloroethane	30.0	U	22.4	30.0	40.0	ug/L
75-69-4	Trichlorofluoromethane	20.0	U	13.6	20.0	40.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	55.8		10.0	20.0	40.0	ug/L
75-35-4	1,1-Dichloroethene	41.2		10.4	30.0	40.0	ug/L
67-64-1	Acetone	150	U	55.6	150	200	ug/L
75-15-0	Carbon Disulfide	30.0	U	12.8	30.0	40.0	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0	U	6.40	20.0	40.0	ug/L
79-20-9	Methyl Acetate	30.0	U	24.0	30.0	40.0	ug/L
75-09-2	Methylene Chloride	20.0	U	12.8	20.0	40.0	ug/L
156-60-5	trans-1,2-Dichloroethene	20.0	U	10.0	20.0	40.0	ug/L
75-34-3	1,1-Dichloroethane	20.0	U	9.20	20.0	40.0	ug/L
110-82-7	Cyclohexane	100	U	64.8	100	200	ug/L
78-93-3	2-Butanone	100	U	52.0	100	200	ug/L
56-23-5	Carbon Tetrachloride	20.0	U	10.0	20.0	40.0	ug/L
156-59-2	cis-1,2-Dichloroethene	30.0	U	10.0	30.0	40.0	ug/L
74-97-5	Bromochloromethane	20.0	U	7.20	20.0	40.0	ug/L
67-66-3	Chloroform	20.0	U	10.4	20.0	40.0	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	U	7.60	20.0	40.0	ug/L
108-87-2	Methylcyclohexane	20.0	U	7.60	20.0	40.0	ug/L
71-43-2	Benzene	20.0	U	6.40	20.0	40.0	ug/L
107-06-2	1,2-Dichloroethane	20.0	U	9.60	20.0	40.0	ug/L
79-01-6	Trichloroethene	1400		12.8	30.0	40.0	ug/L
78-87-5	1,2-Dichloropropane	20.0	U	7.60	20.0	40.0	ug/L
75-27-4	Bromodichloromethane	20.0	U	9.60	20.0	40.0	ug/L
108-10-1	4-Methyl-2-Pentanone	100	U	30.0	100	200	ug/L
108-88-3	Toluene	20.0	U	7.20	20.0	40.0	ug/L

Raw Data: **VX044546.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RE115D2-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044546.D	40		12/30/24 16:08	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.0	U	8.40	20.0	40.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0	U	7.20	20.0	40.0	ug/L
79-00-5	1,1,2-Trichloroethane	20.0	U	8.40	20.0	40.0	ug/L
591-78-6	2-Hexanone	100	U	45.2	100	200	ug/L
124-48-1	Dibromochloromethane	20.0	U	7.20	20.0	40.0	ug/L
106-93-4	1,2-Dibromoethane	20.0	U	6.40	20.0	40.0	ug/L
127-18-4	Tetrachloroethene	20.0	U	10.0	20.0	40.0	ug/L
108-90-7	Chlorobenzene	20.0	U	5.20	20.0	40.0	ug/L
100-41-4	Ethyl Benzene	20.0	U	6.40	20.0	40.0	ug/L
179601-23-1	m/p-Xylenes	40.0	U	12.4	40.0	80.0	ug/L
95-47-6	o-Xylene	20.0	U	5.60	20.0	40.0	ug/L
100-42-5	Styrene	20.0	U	6.40	20.0	40.0	ug/L
75-25-2	Bromoform	20.0	U	8.40	20.0	40.0	ug/L
98-82-8	Isopropylbenzene	20.0	U	5.20	20.0	40.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0	U	10.8	20.0	40.0	ug/L
541-73-1	1,3-Dichlorobenzene	20.0	U	9.60	20.0	40.0	ug/L
106-46-7	1,4-Dichlorobenzene	20.0	U	10.8	20.0	40.0	ug/L
95-50-1	1,2-Dichlorobenzene	20.0	U	7.60	20.0	40.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	30.0	U	18.4	30.0	40.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0	U	16.8	20.0	40.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	30.0	U	20.4	30.0	40.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.3		81 - 118		87%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	51.4		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7		85 - 114		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	119000	5.55				
540-36-3	1,4-Difluorobenzene	207000	6.757				
3114-55-4	Chlorobenzene-d5	175000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	70000	12.018				

Raw Data: **VX044546.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RE115D2-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044546.D	40		12/30/24 16:08	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Sample Results: **VX044546.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044546.D
Acq On : 30 Dec 2024 16:08
Operator : JC/MD
Sample : P5376-03 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20241218

Quant Time: Dec 31 00:31:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	118700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	207183	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	174651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	90093	43.289	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 86.580%			
35) Dibromofluoromethane	5.385	113	71762	50.011	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.020%			
50) Toluene-d8	8.647	98	248901	51.415	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.820%			
62) 4-Bromofluorobenzene	11.079	95	78918	46.653	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.300%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.325	101	2021	1.395	ug/l	95
12) 1,1-Dichloroethene	2.313	96	1370	1.030	ug/l	88
16) Acetone	2.380	43	614	0.724	ug/l #	79
44) Trichloroethene	7.123	130	50899	36.243	ug/l	97

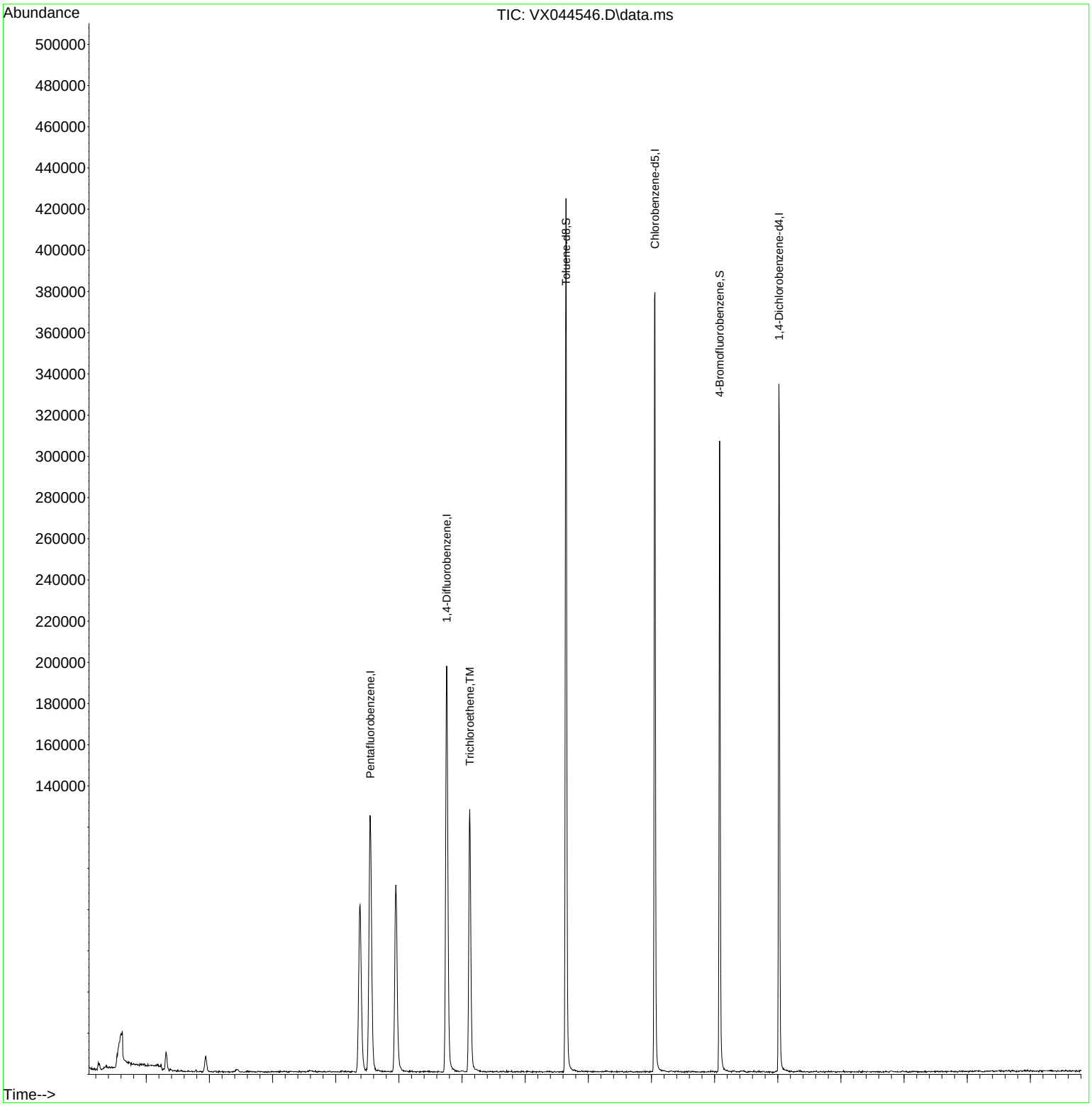
(#) = qualifier out of range (m) = manual integration (+) = signals summed

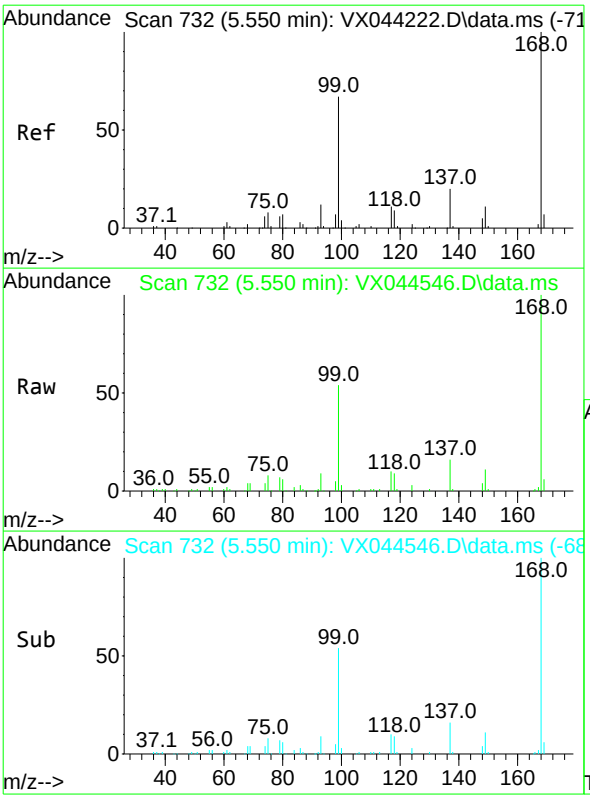
Sample Results: **VX044546.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044546.D
Acq On : 30 Dec 2024 16:08
Operator : JC/MD
Sample : P5376-03 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20241218

Quant Time: Dec 31 00:31:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



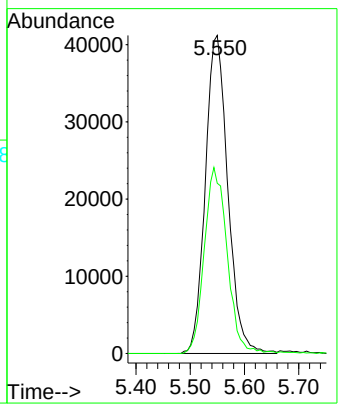


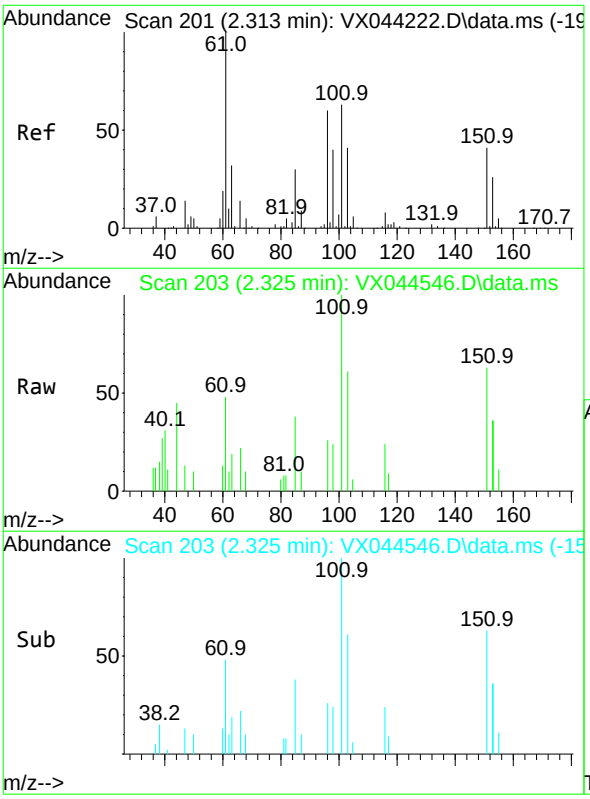
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20241218

Tgt Ion:168 Resp: 118700

Ion	Ratio	Lower	Upper
168	100		
99	53.5	53.4	80.0

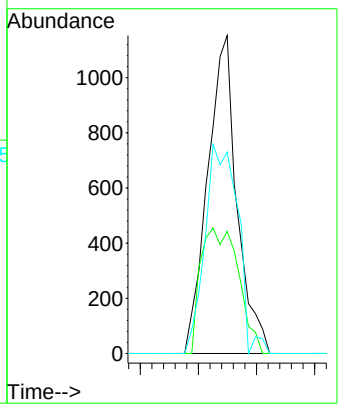


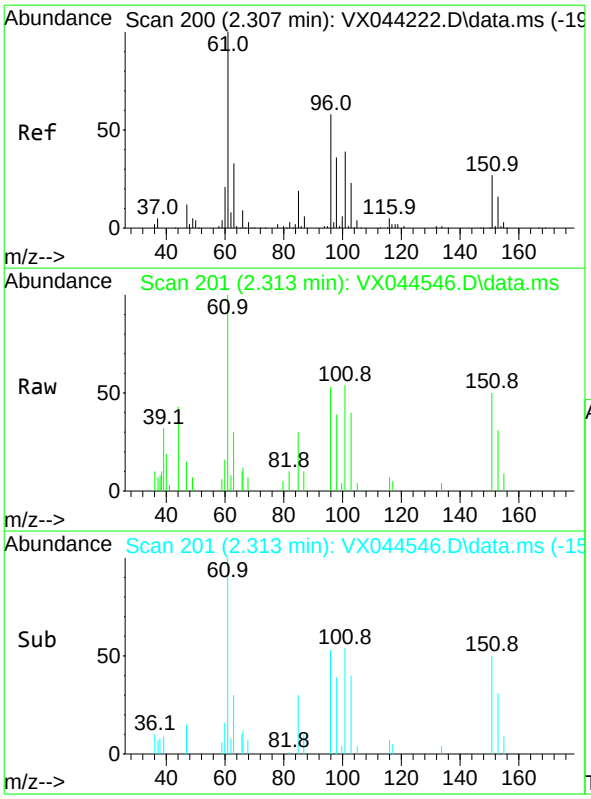


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.395 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

Tgt Ion:101 Resp: 2021

Ion	Ratio	Lower	Upper
101	100		
85	51.0	38.5	57.7
151	74.0	55.8	83.6



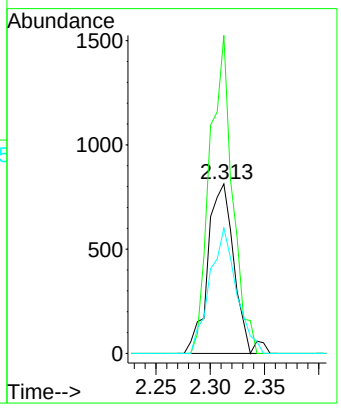


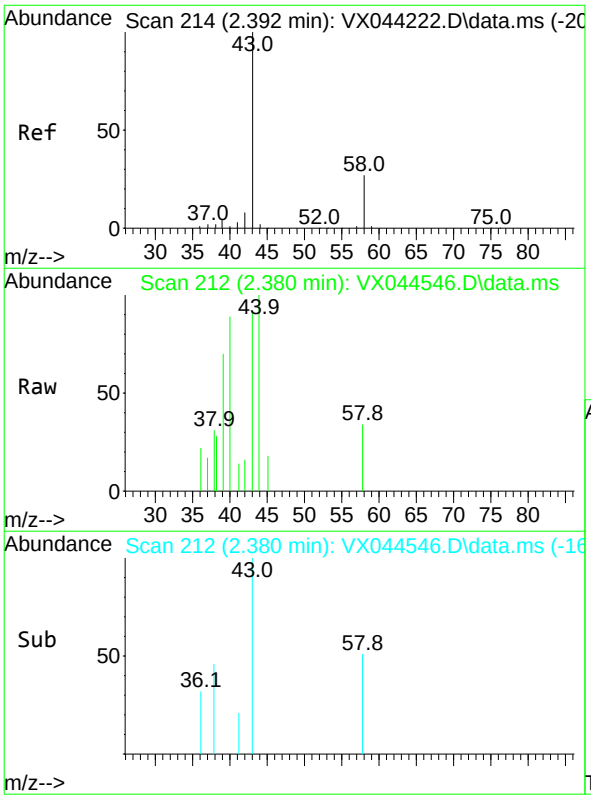
#12
1,1-Dichloroethene
Concen: 1.030 ug/l
RT: 2.313 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20241218

Tgt Ion: 96 Resp: 1370

Ion	Ratio	Lower	Upper
96	100		
61	187.6	138.0	207.0
98	73.9	50.0	75.0

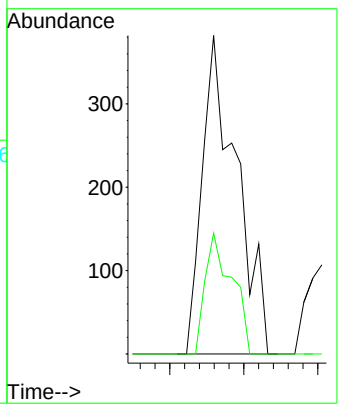


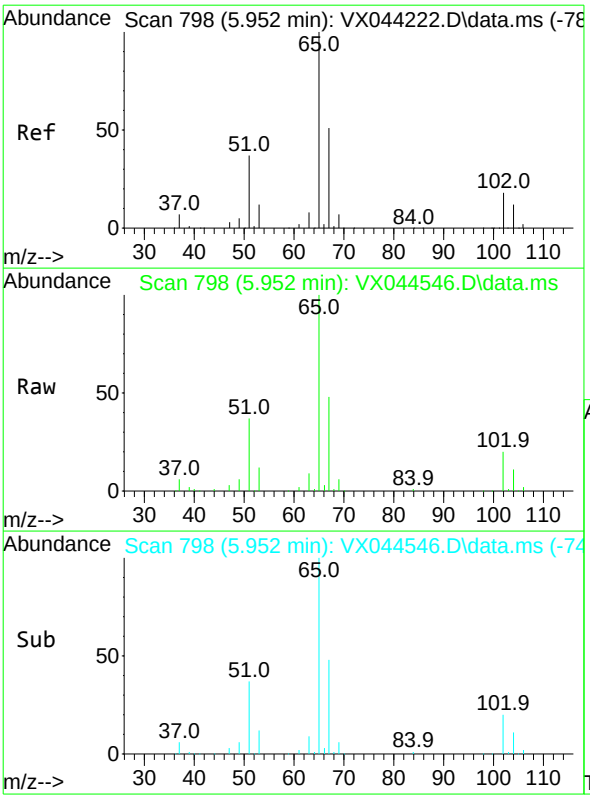


#16
Acetone
Concen: 0.724 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

Tgt Ion: 43 Resp: 614

Ion	Ratio	Lower	Upper
43	100		
58	38.0	21.6	32.4#



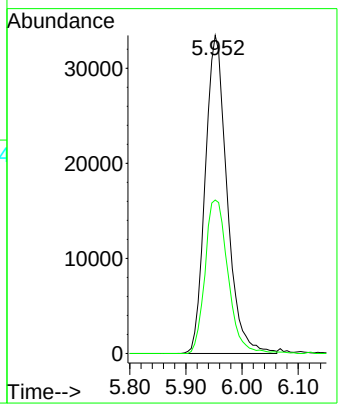


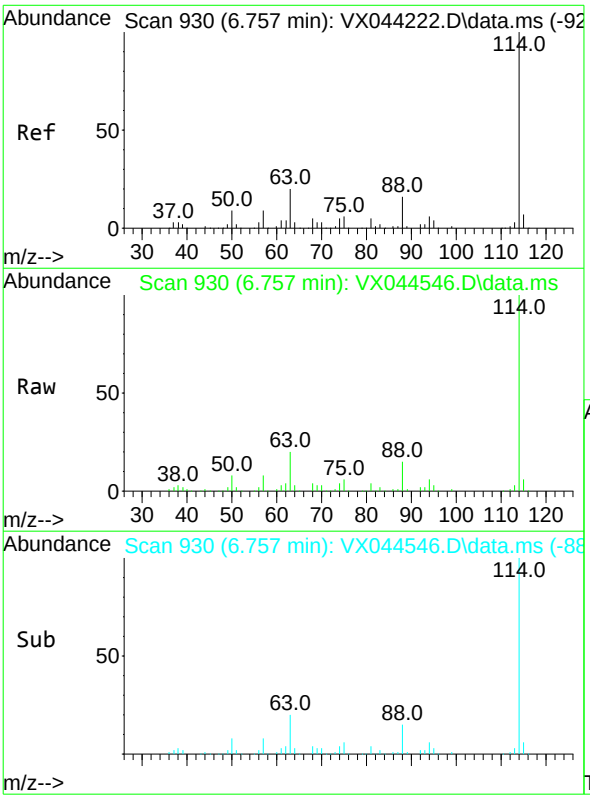
#33
1,2-Dichloroethane-d4
Concen: 43.289 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20241218

Tgt Ion: 65 Resp: 90093

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	101.6

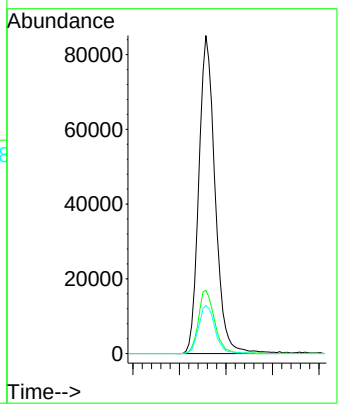


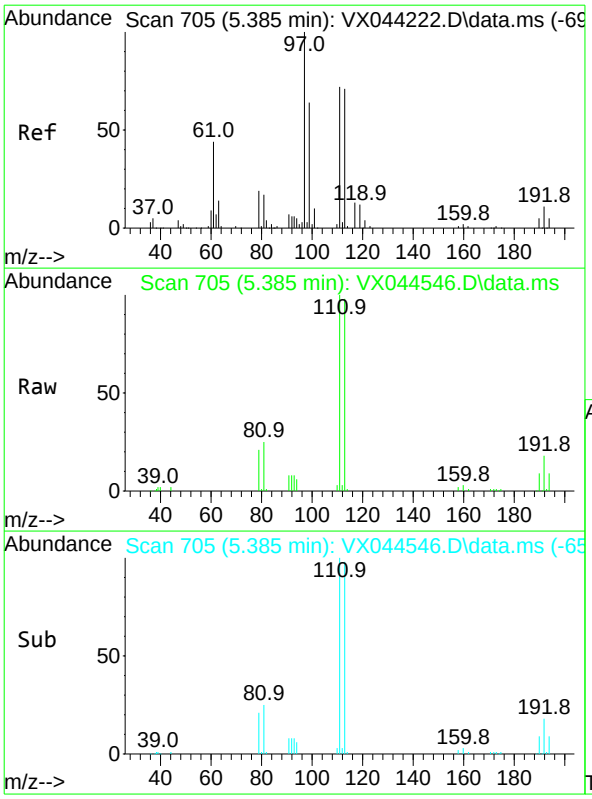


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

Tgt Ion:114 Resp: 207183

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.6
88	15.1	0.0	31.8



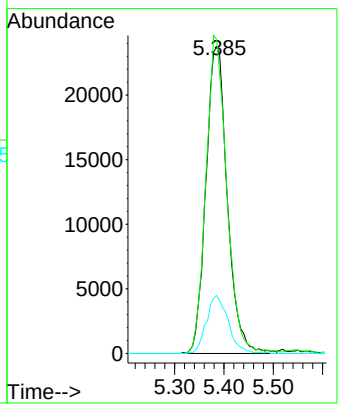


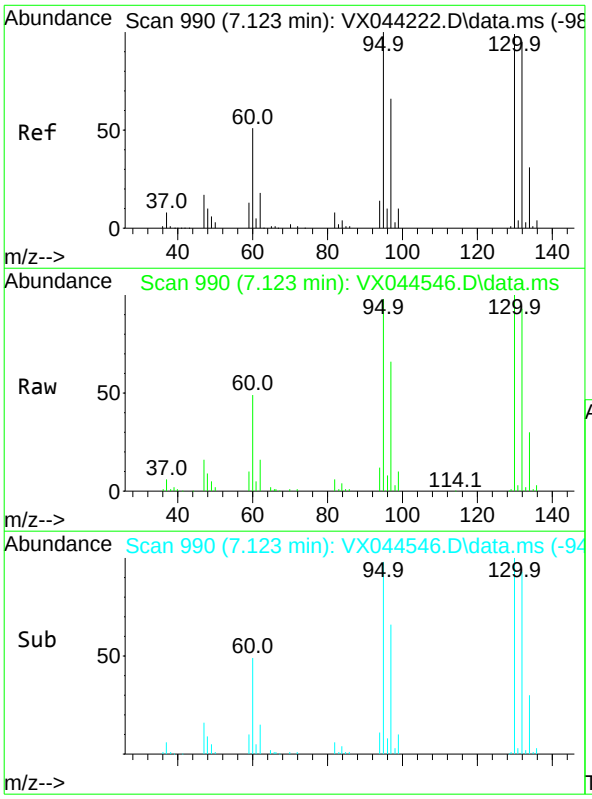
#35
Dibromofluoromethane
Concen: 50.011 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20241218

Tgt Ion:113 Resp: 71762

Ion	Ratio	Lower	Upper
113	100		
111	100.7	80.4	120.6
192	19.3	13.3	19.9

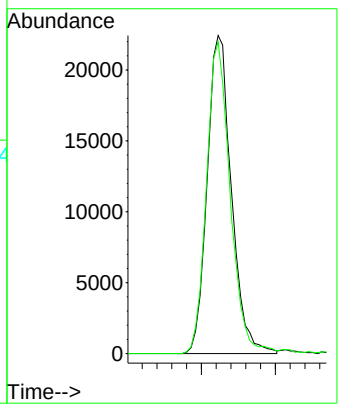


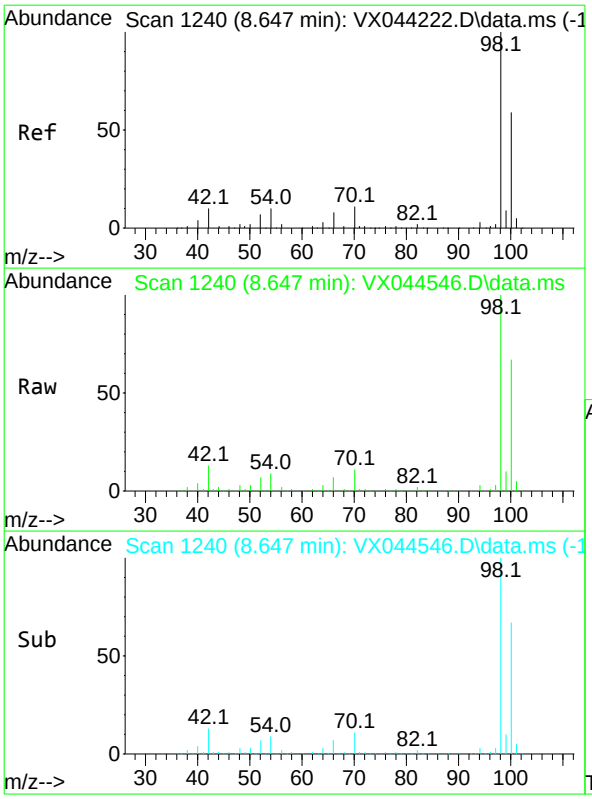


#44
Trichloroethene
Concen: 36.243 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

Tgt Ion:130 Resp: 50899

Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	201.4



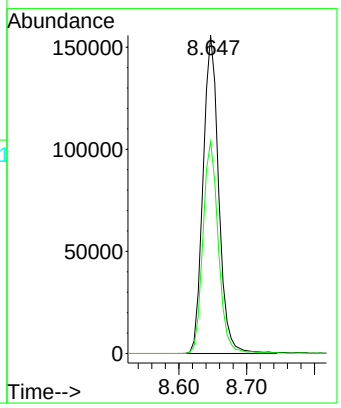


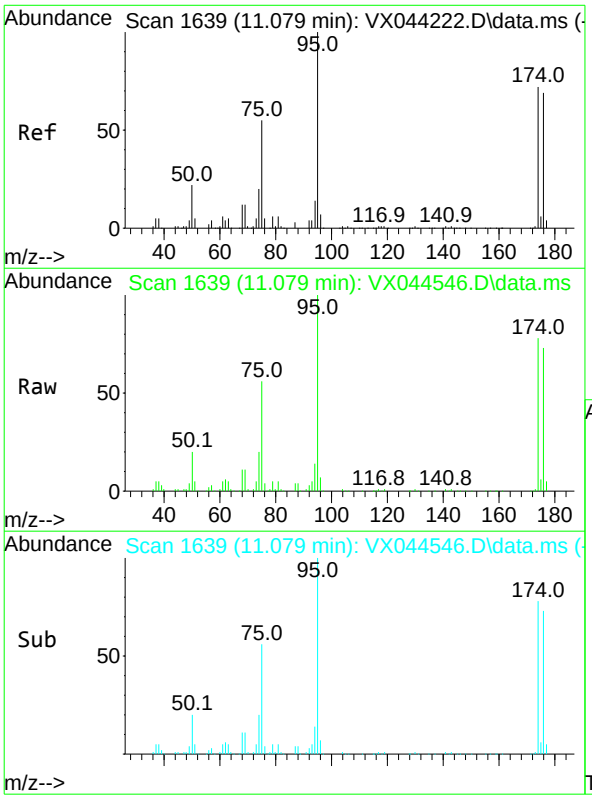
#50
Toluene-d8
Concen: 51.415 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20241218

Tgt Ion: 98 Resp: 248901

Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.5	77.3

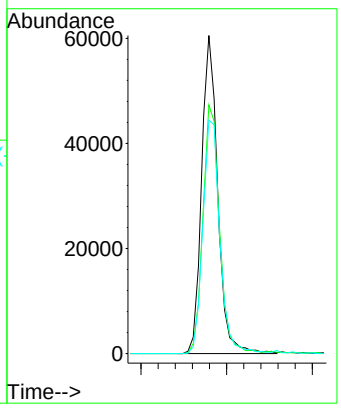


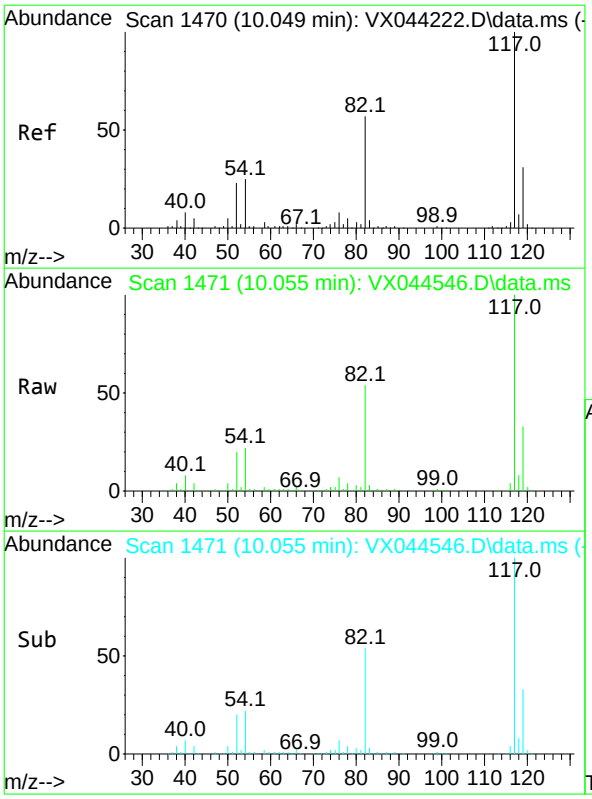


#62
4-Bromofluorobenzene
Concen: 46.653 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

Tgt Ion: 95 Resp: 78918

Ion	Ratio	Lower	Upper
95	100		
174	81.1	0.0	145.8
176	77.8	0.0	137.8



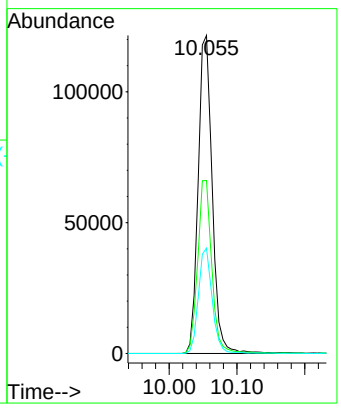


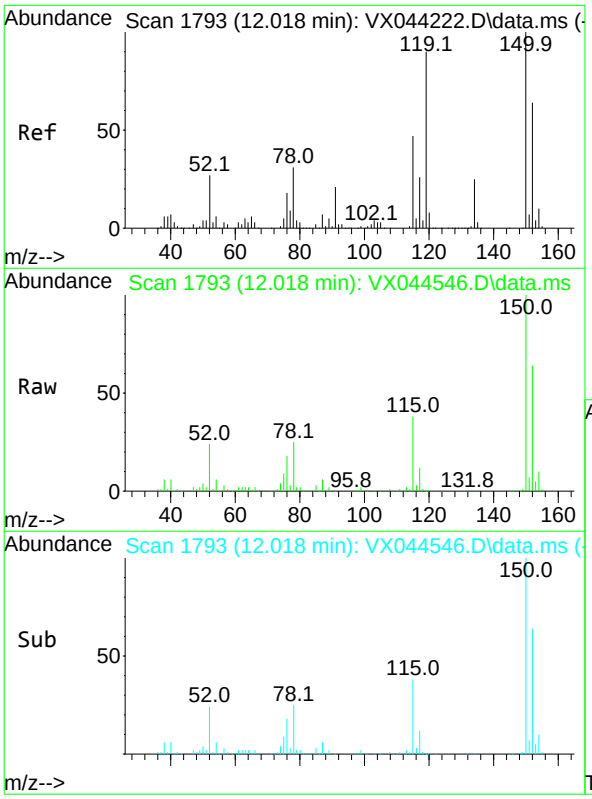
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20241218

Tgt Ion:117 Resp: 174651

Ion	Ratio	Lower	Upper
117	100		
82	54.4	45.8	68.8
119	33.1	25.0	37.4

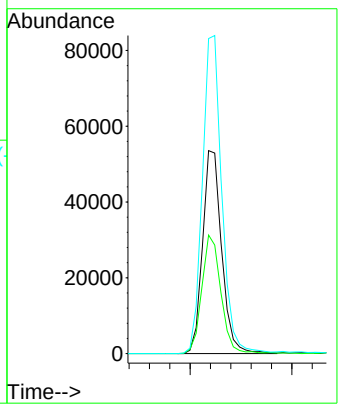




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044546.D
Acq: 30 Dec 2024 16:08

Tgt Ion:152 Resp: 70024

Ion	Ratio	Lower	Upper
152	100		
115	58.4	44.5	133.3
150	158.8	0.0	353.8



Raw Data: **VX044552.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT149S1-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044552.D	1		12/30/24 18:28	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	7.50		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	4.20		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX044552.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT149S1-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044552.D	1		12/30/24 18:28	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	1.20		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.3		81 - 118		87%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	52.2		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	121000	5.55				
540-36-3	1,4-Difluorobenzene	209000	6.757				
3114-55-4	Chlorobenzene-d5	186000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	82300	12.018				

Raw Data: **VX044552.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT149S1-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044552.D	1		12/30/24 18:28	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (LSC Reviewed)

Sample Results: **VX044552.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044552.D
Acq On : 30 Dec 2024 18:28
Operator : JC/MD
Sample : P5376-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20241218

Quant Time: Dec 31 00:35:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	121289	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	209255	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	82258	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92116	43.316	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 86.640%			
35) Dibromofluoromethane	5.385	113	72576	50.077	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.160%			
50) Toluene-d8	8.647	98	255239	52.202	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.400%			
62) 4-Bromofluorobenzene	11.079	95	85478	50.031	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.060%			
Target Compounds						Qvalue
16) Acetone	2.386	43	886	1.022	ug/l #	89
19) Methyl tert-butyl Ether	3.117	73	39855	7.512	ug/l	97
44) Trichloroethene	7.129	130	5957	4.200	ug/l	99
64) Tetrachloroethene	9.275	164	1442	1.170	ug/l #	79

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

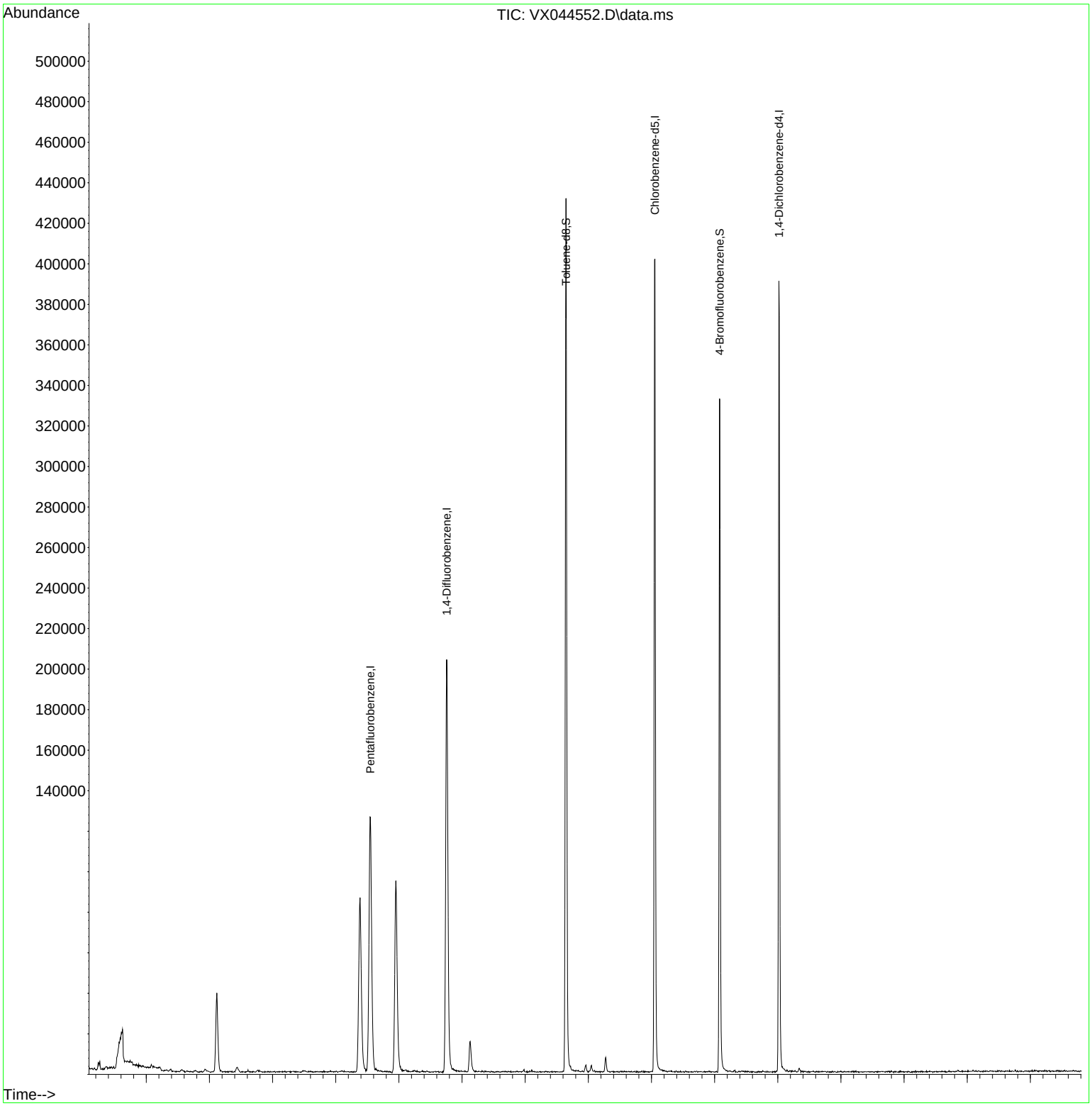
Quantitation Report (LSC Reviewed)

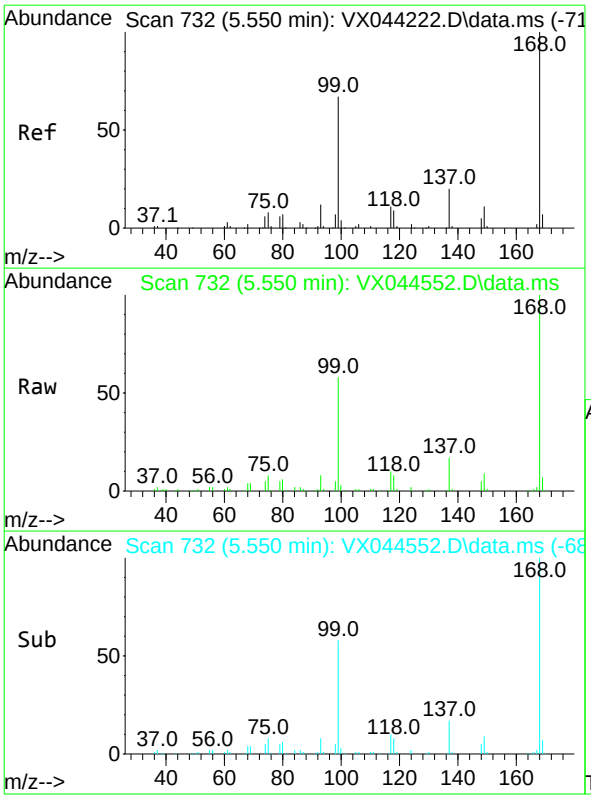
Sample Results: **VX044552.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044552.D
Acq On : 30 Dec 2024 18:28
Operator : JC/MD
Sample : P5376-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20241218

Quant Time: Dec 31 00:35:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



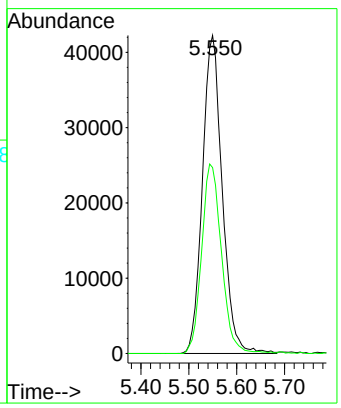


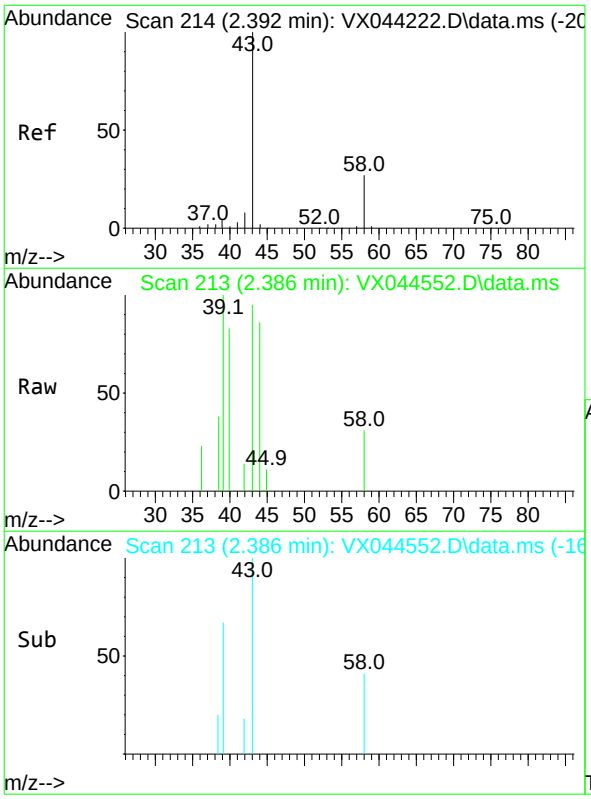
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20241218

Tgt Ion:168 Resp: 121289

Ion	Ratio	Lower	Upper
168	100		
99	58.5	53.4	80.0

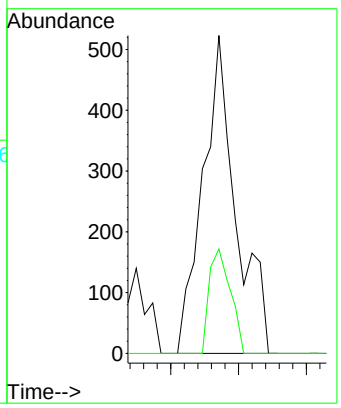


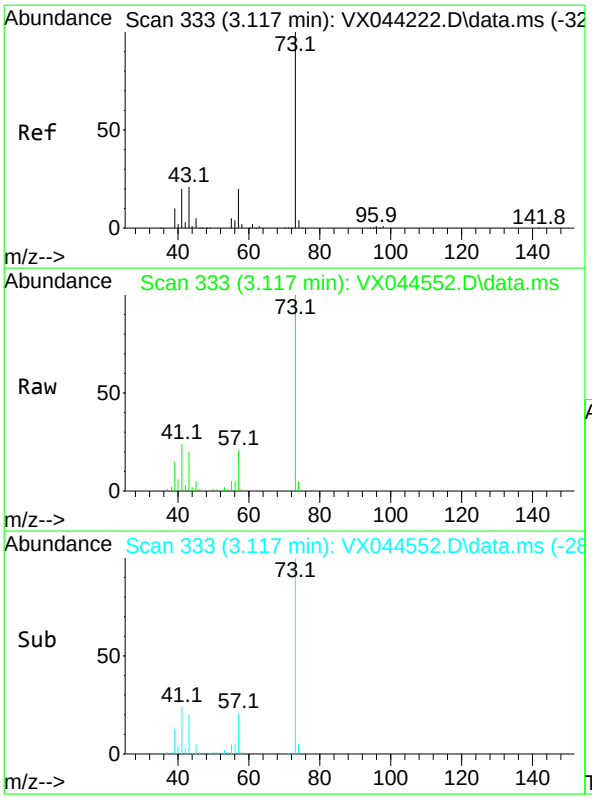


#16
Acetone
Concen: 1.022 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

Tgt Ion: 43 Resp: 886

Ion	Ratio	Lower	Upper
43	100		
58	32.9	21.6	32.4#



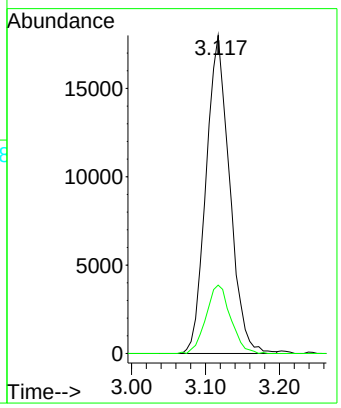


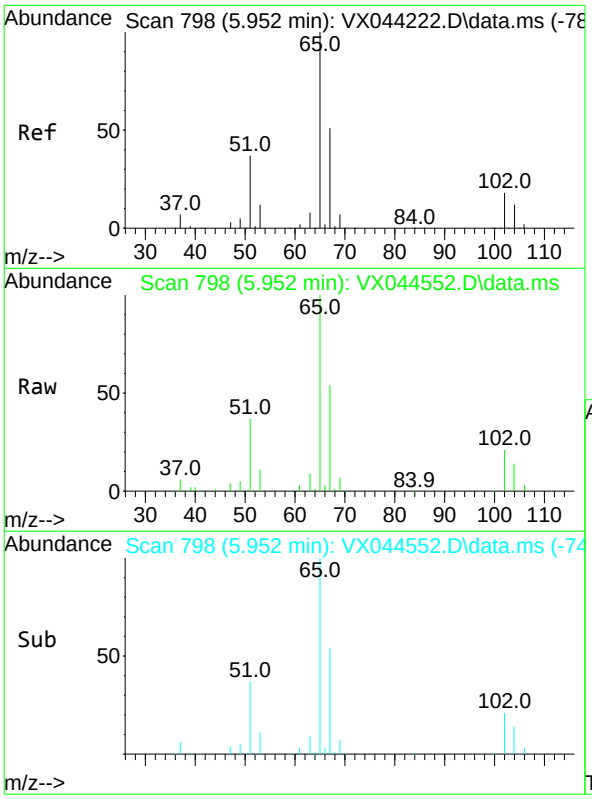
#19
Methyl tert-butyl Ether
Concen: 7.512 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20241218

Tgt Ion: 73 Resp: 39855

Ion	Ratio	Lower	Upper
73	100		
57	21.5	16.2	24.4

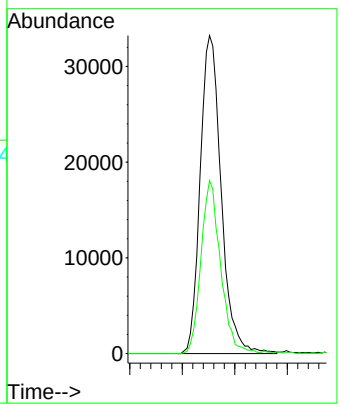


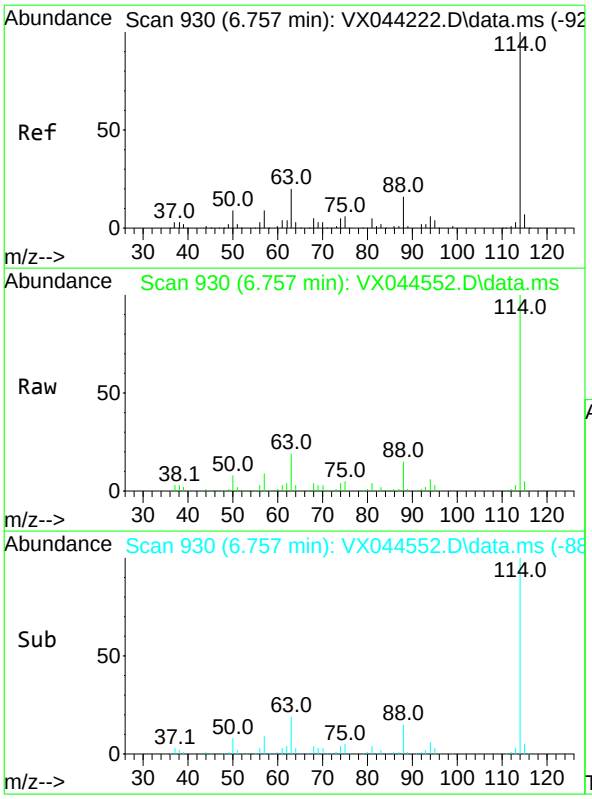


#33
1,2-Dichloroethane-d4
Concen: 43.316 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

Tgt Ion: 65 Resp: 92116

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	101.6



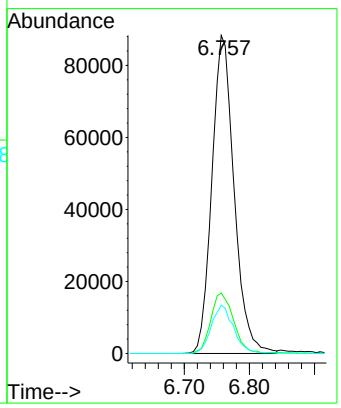


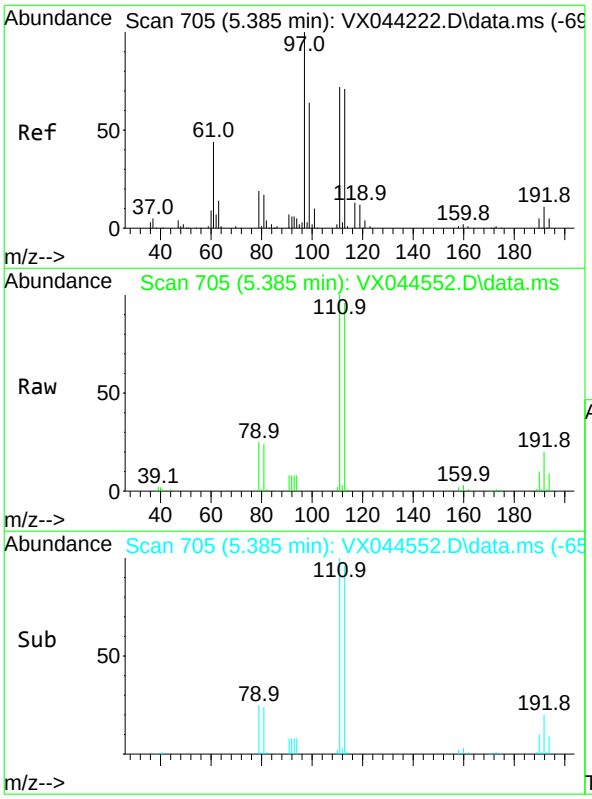
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20241218

Tgt Ion:114 Resp: 209255

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	40.6
88	15.2	0.0	31.8

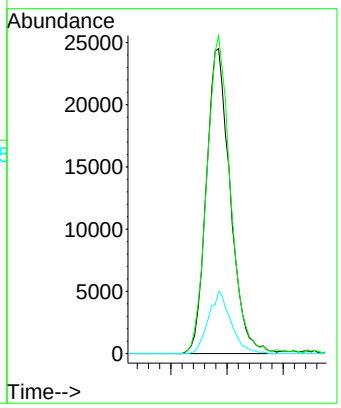


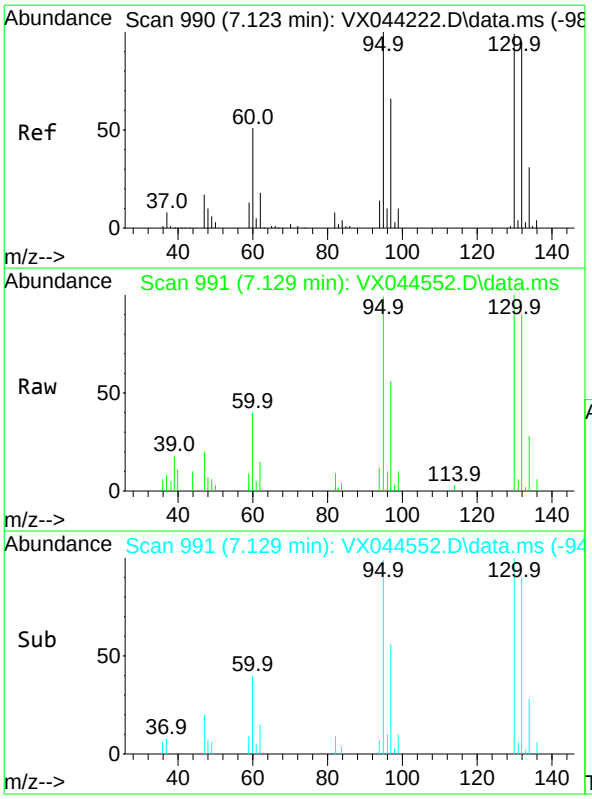


#35
Dibromofluoromethane
Concen: 50.077 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

Tgt Ion:113 Resp: 72576

Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.4	120.6
192	19.2	13.3	19.9



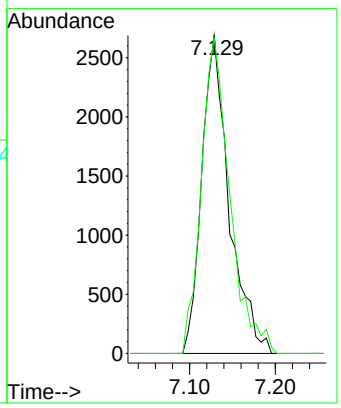


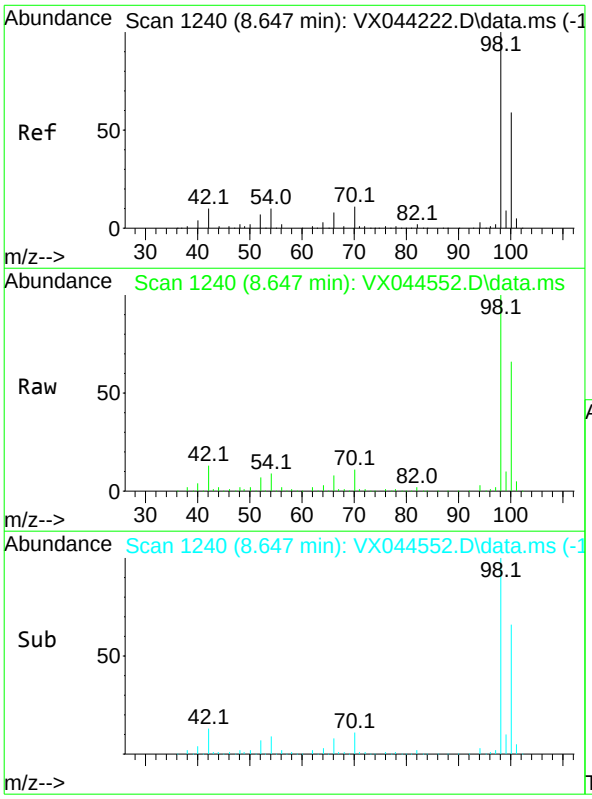
#44
Trichloroethene
Concen: 4.200 ug/l
RT: 7.129 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20241218

Tgt Ion:130 Resp: 5957

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	201.4

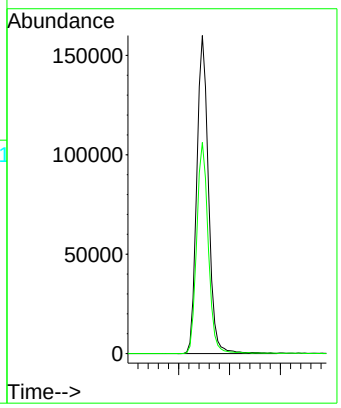


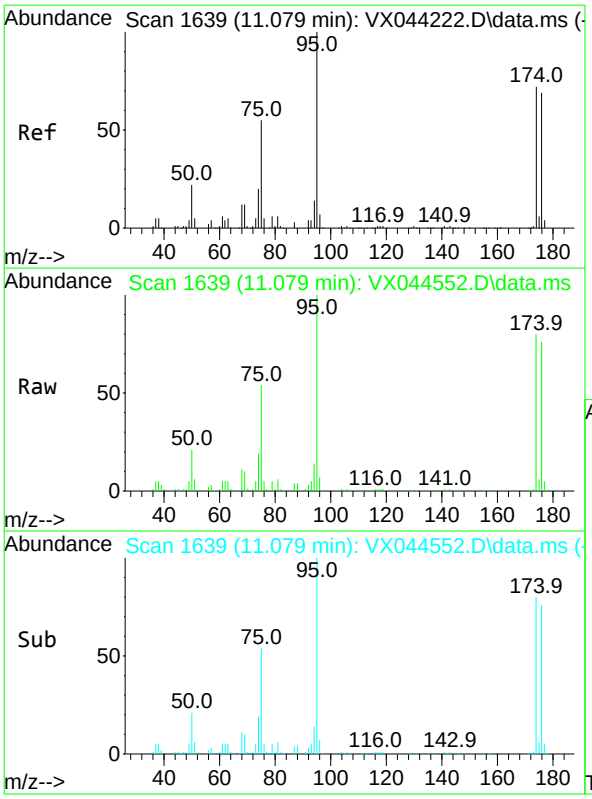


#50
Toluene-d8
Concen: 52.202 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

Tgt Ion: 98 Resp: 255239

Ion	Ratio	Lower	Upper
98	100		
100	65.9	51.5	77.3



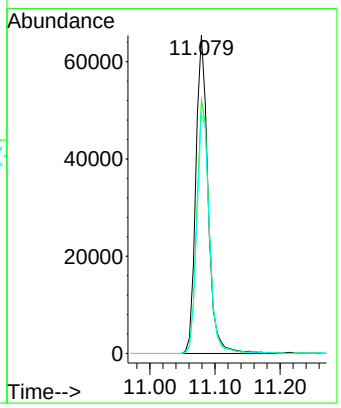


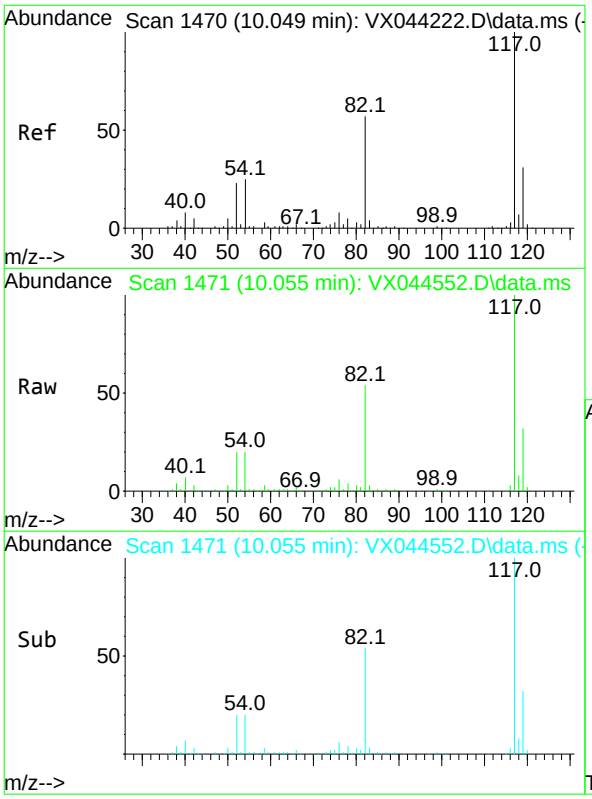
#62
4-Bromofluorobenzene
Concen: 50.031 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20241218

Tgt Ion: 95 Resp: 85478

Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	145.8
176	78.0	0.0	137.8

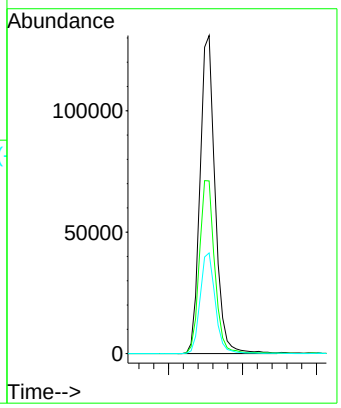


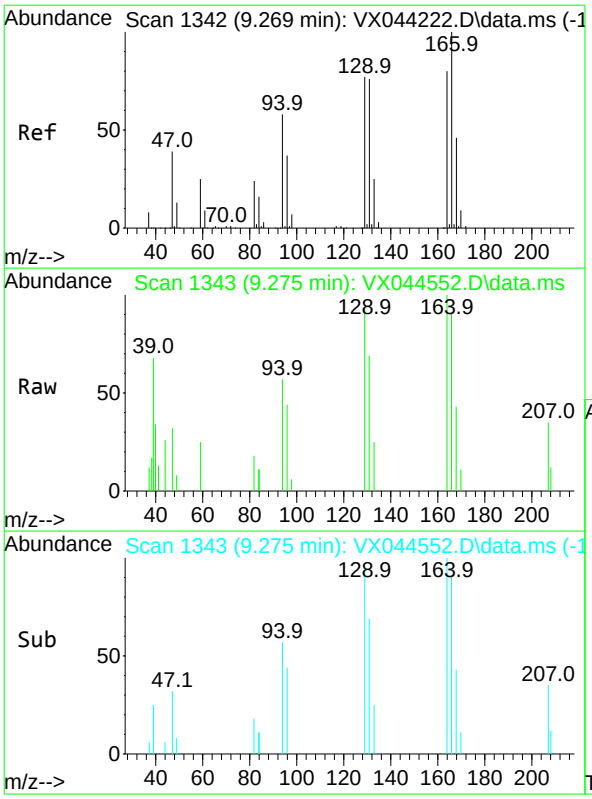


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

Tgt Ion:117 Resp: 185772

Ion	Ratio	Lower	Upper
117	100		
82	54.3	45.8	68.8
119	31.7	25.0	37.4



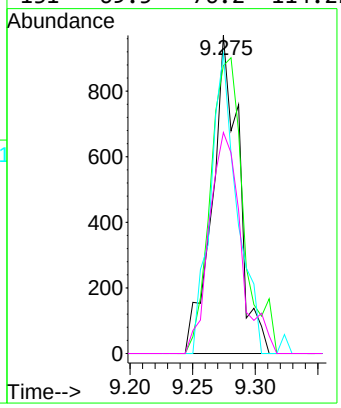


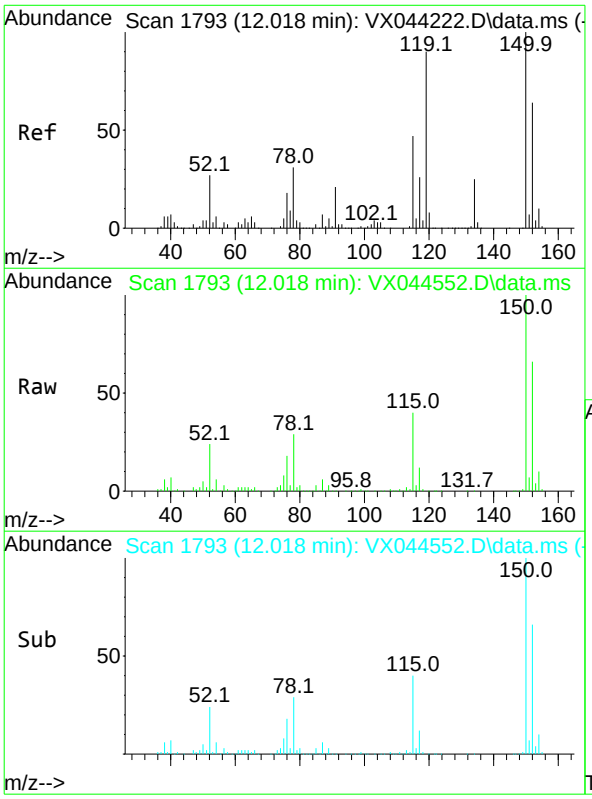
#64
Tetrachloroethene
Concen: 1.170 ug/l
RT: 9.275 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20241218

Tgt Ion:164 Resp: 1442

Ion	Ratio	Lower	Upper
164	100		
166	90.5	100.4	150.6#
129	94.2	77.2	115.8
131	69.5	76.2	114.2#

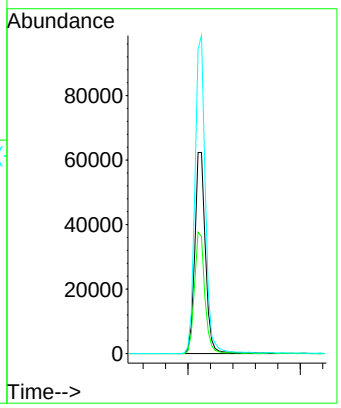




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044552.D
Acq: 30 Dec 2024 18:28

Tgt Ion:152 Resp: 82258

Ion	Ratio	Lower	Upper
152	100		
115	58.3	44.5	133.3
150	154.3	0.0	353.8



Raw Data: **VX044573.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	DUP-07-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044573.D	1		12/31/24 12:14	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.70	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	7.60		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	4.20		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX044573.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	DUP-07-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044573.D	1		12/31/24 12:14	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	1.20		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.6		81 - 118		85%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	53.0		89 - 112		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	126000	5.544				
540-36-3	1,4-Difluorobenzene	216000	6.757				
3114-55-4	Chlorobenzene-d5	191000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	83200	12.018				

Raw Data: **VX044573.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	DUP-07-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044573.D	1		12/31/24 12:14	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (LSC Reviewed)

Sample Results: **VX044573.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044573.D
Acq On : 31 Dec 2024 12:14
Operator : JC/MD
Sample : P5376-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-07-20241218

Quant Time: Jan 01 01:39:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	126196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	215542	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	190830	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	83236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	94227	42.586	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 85.180%			
35) Dibromofluoromethane	5.385	113	74374	49.821	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.640%			
50) Toluene-d8	8.647	98	266792	52.973	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.940%			
62) 4-Bromofluorobenzene	11.079	95	87911	49.954	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.900%			
Target Compounds						Qvalue
16) Acetone	2.386	43	1493	1.655	ug/l #	83
19) Methyl tert-butyl Ether	3.117	73	41720	7.558	ug/l	100
44) Trichloroethene	7.123	130	6087	4.166	ug/l	95
64) Tetrachloroethene	9.275	164	1489	1.176	ug/l	96

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

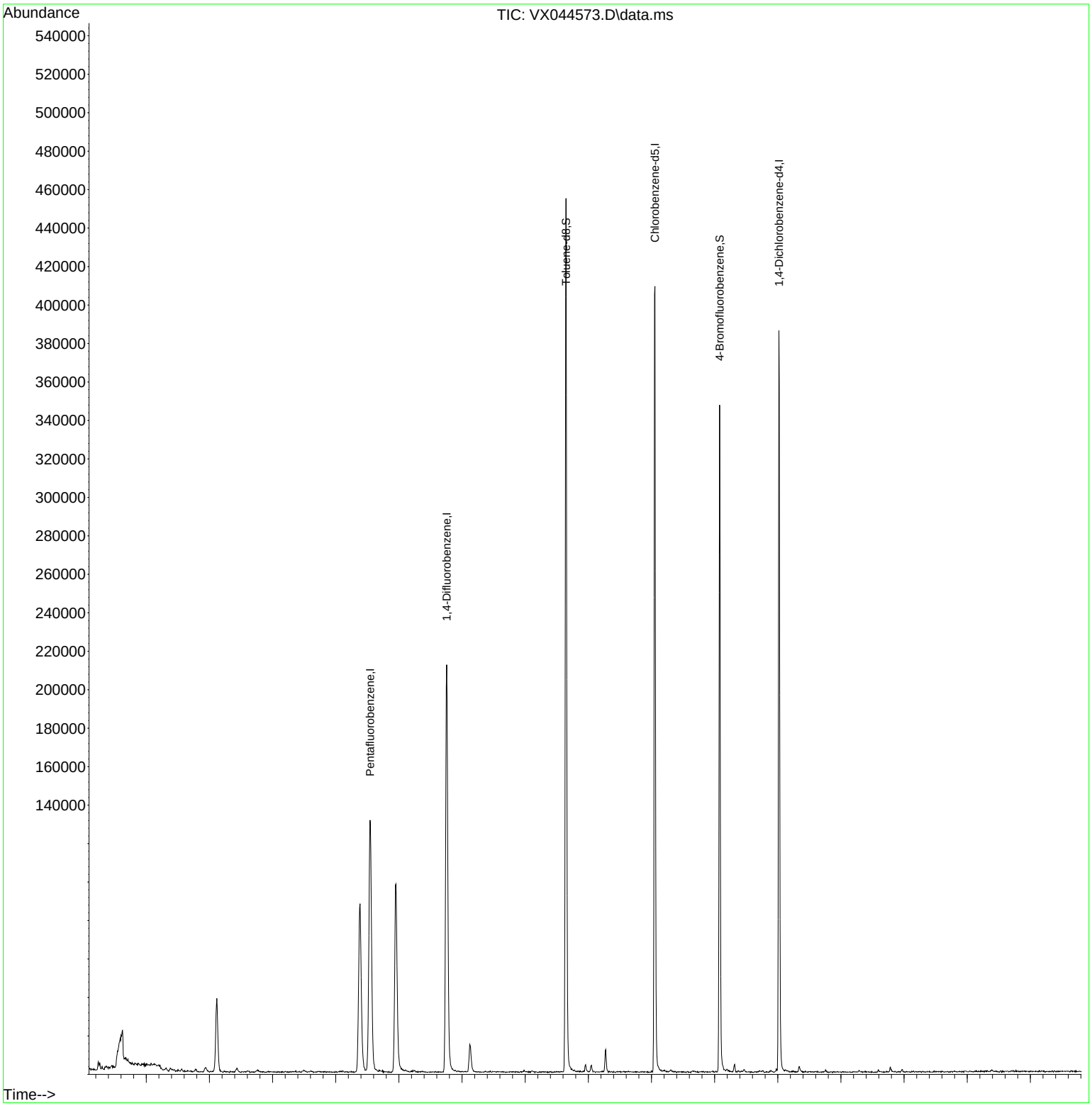
Quantitation Report (LSC Reviewed)

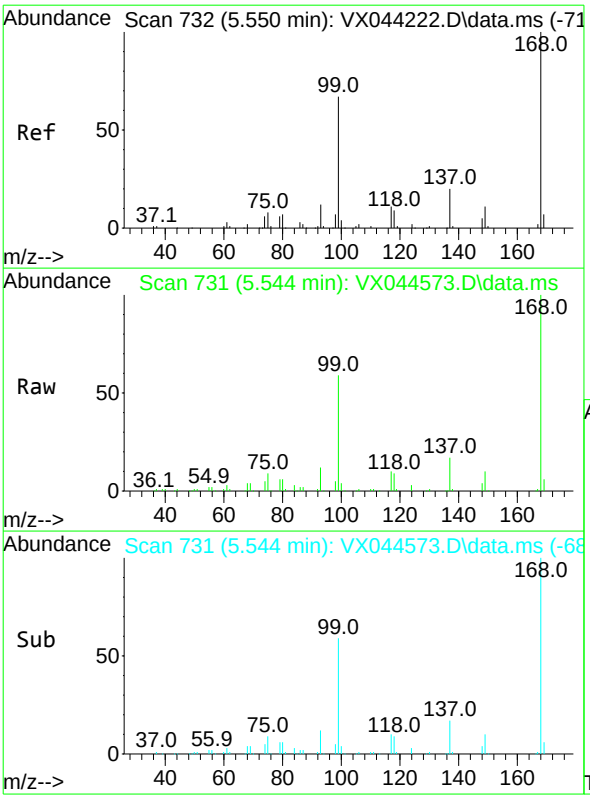
Sample Results: **VX044573.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044573.D
Acq On : 31 Dec 2024 12:14
Operator : JC/MD
Sample : P5376-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-07-20241218

Quant Time: Jan 01 01:39:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



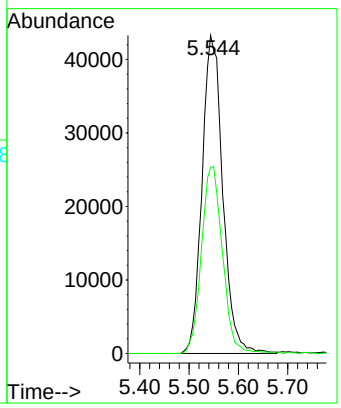


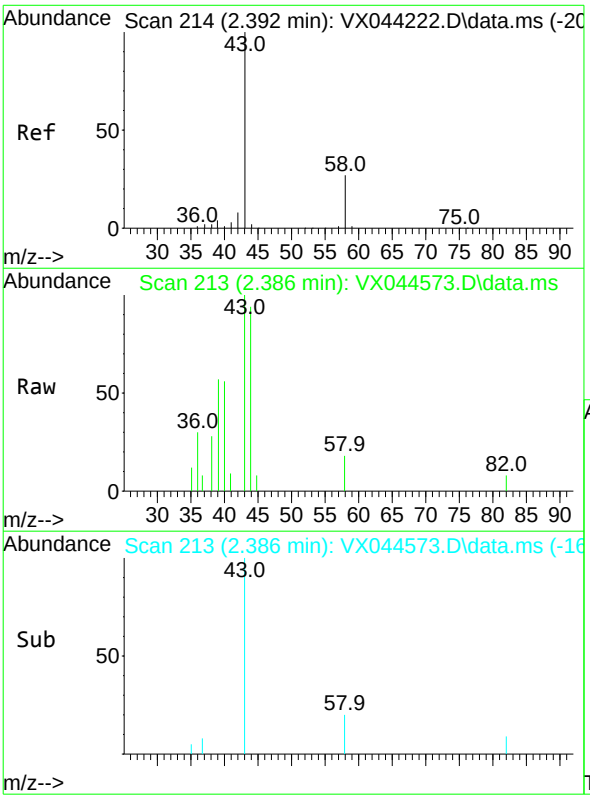
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044573.D
Acq: 31 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
DUP-07-20241218

Tgt Ion:168 Resp: 126196

Ion	Ratio	Lower	Upper
168	100		
99	58.5	53.4	80.0

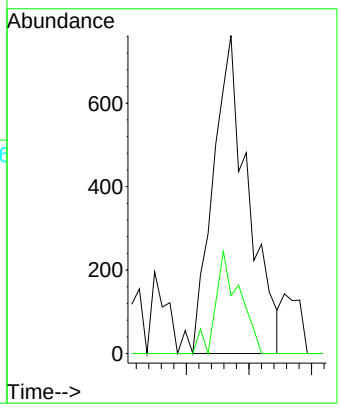


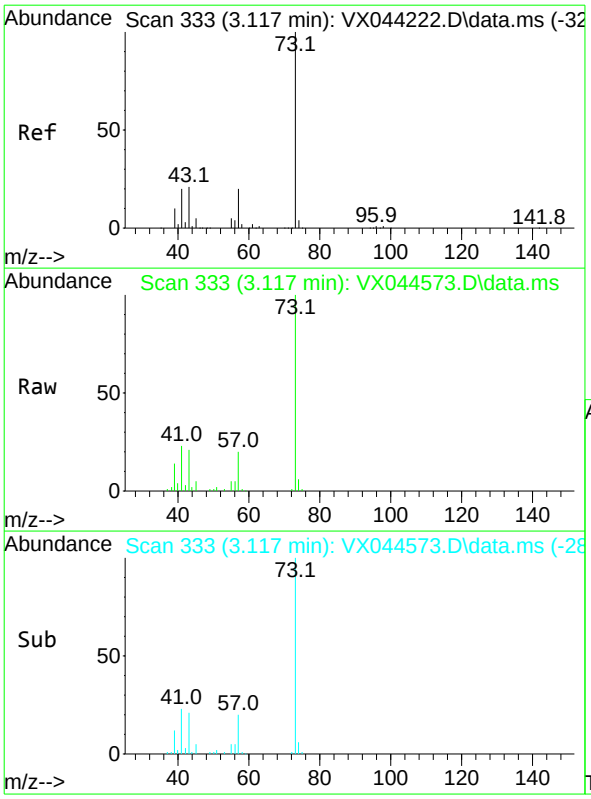


#16
Acetone
Concen: 1.655 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044573.D
Acq: 31 Dec 2024 12:14

Tgt Ion: 43 Resp: 1493

Ion	Ratio	Lower	Upper
43	100		
58	18.2	21.6	32.4#



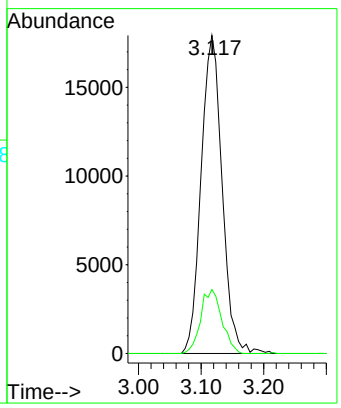


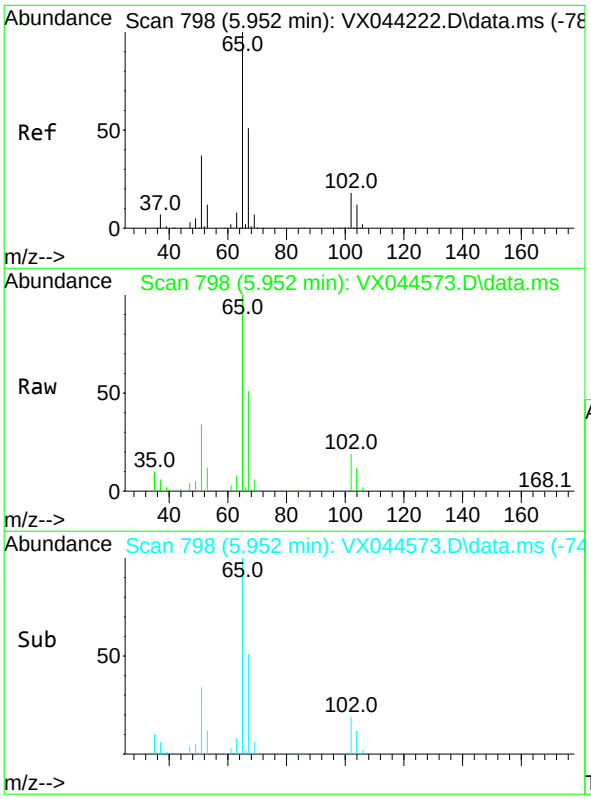
#19
Methyl tert-butyl Ether
Concen: 7.558 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044573.D
Acq: 31 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
DUP-07-20241218

Tgt Ion: 73 Resp: 41720

Ion	Ratio	Lower	Upper
73	100		
57	20.1	16.2	24.4

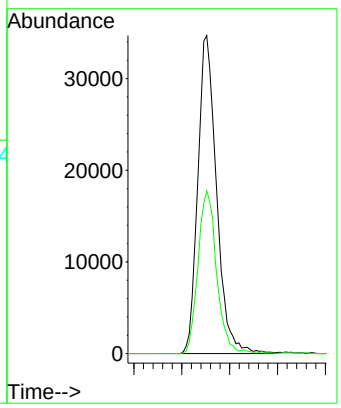


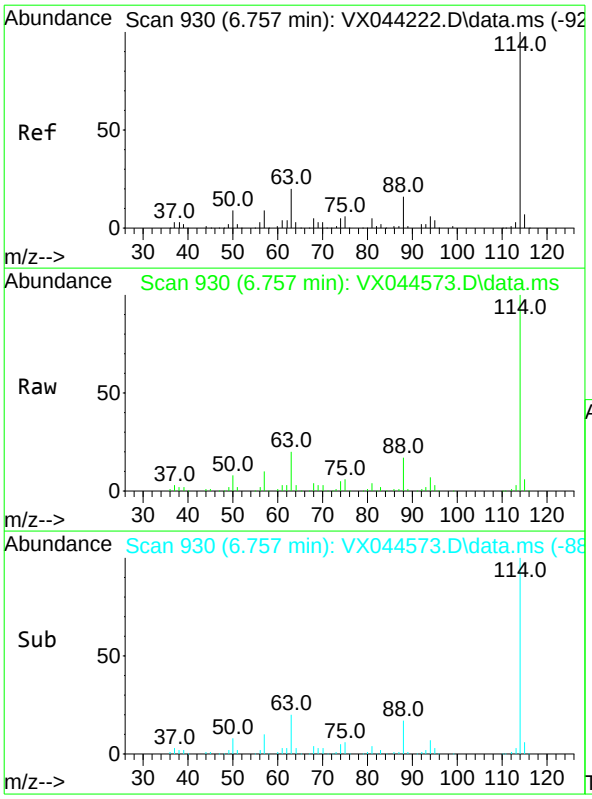


#33
1,2-Dichloroethane-d4
Concen: 42.586 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044573.D
Acq: 31 Dec 2024 12:14

Tgt Ion: 65 Resp: 94227

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	101.6



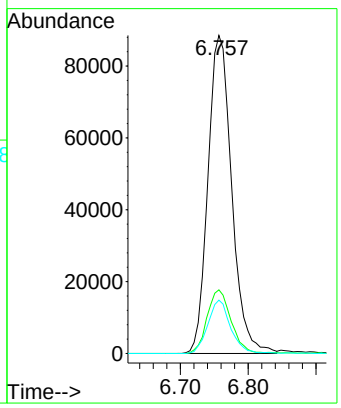


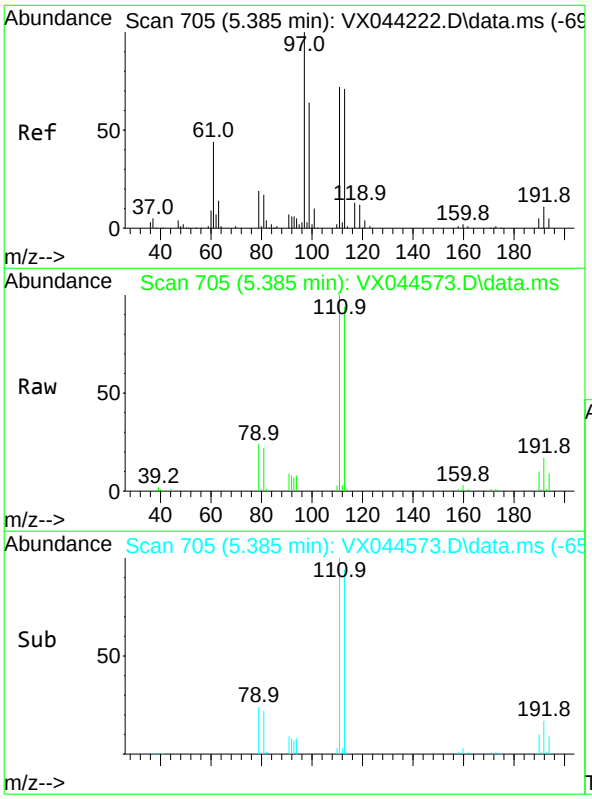
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044573.D
Acq: 31 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
DUP-07-20241218

Tgt Ion:114 Resp: 215542

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.6
88	16.8	0.0	31.8

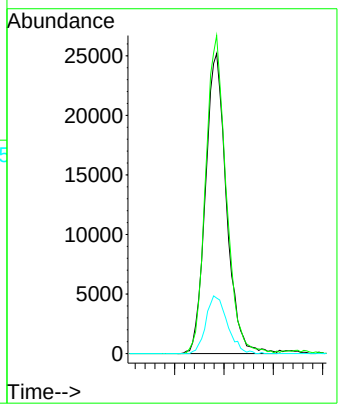


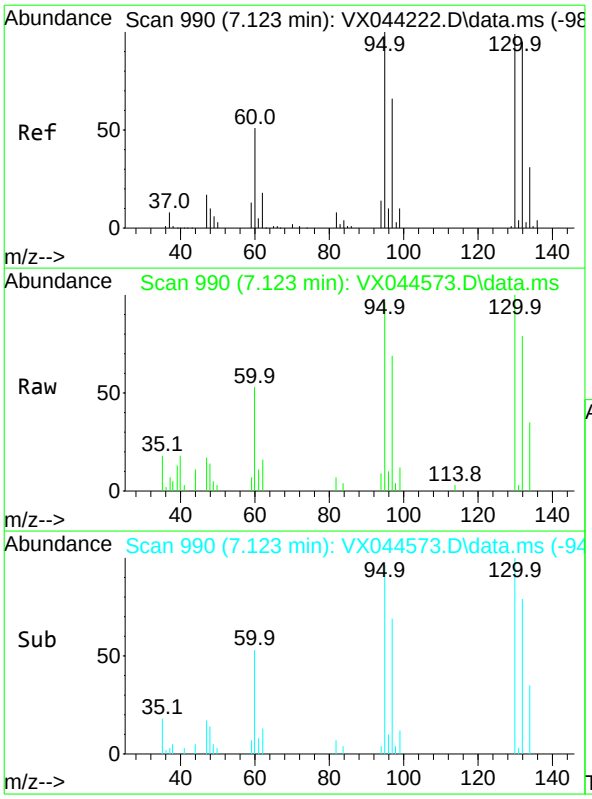


#35
Dibromofluoromethane
Concen: 49.821 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044573.D
Acq: 31 Dec 2024 12:14

Tgt Ion:113 Resp: 74374

Ion	Ratio	Lower	Upper
113	100		
111	103.9	80.4	120.6
192	19.6	13.3	19.9



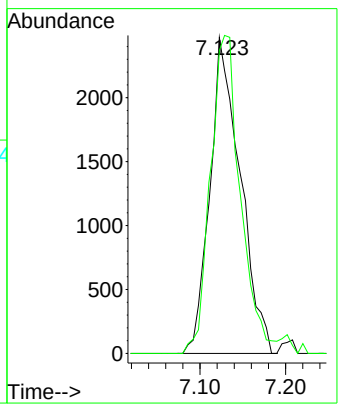


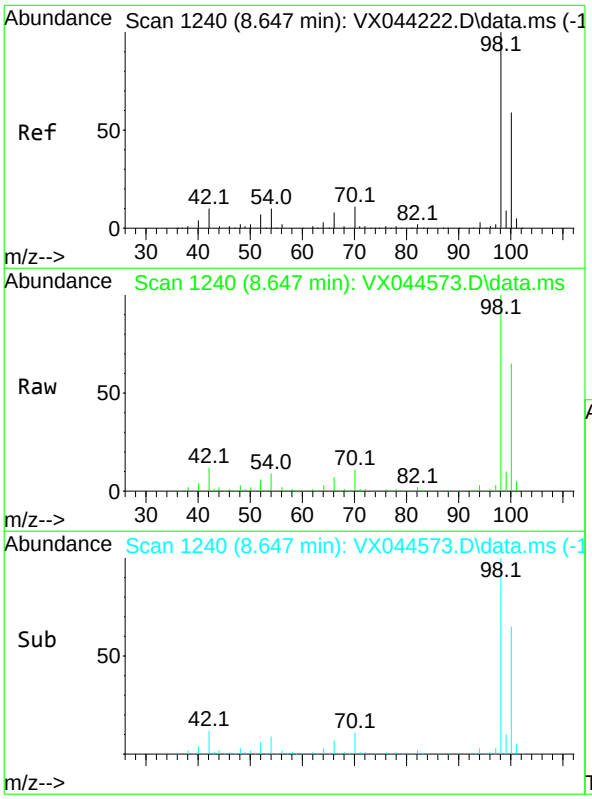
#44
Trichloroethene
Concen: 4.166 ug/l
RT: 7.123 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX044573.D
Acq: 31 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
DUP-07-20241218

Tgt Ion:130 Resp: 6087

Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	201.4

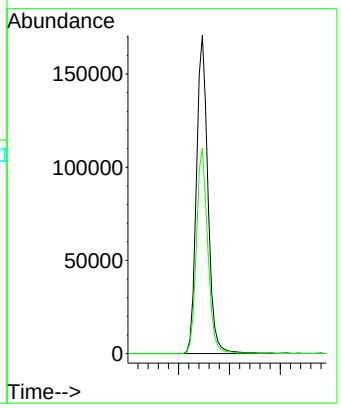


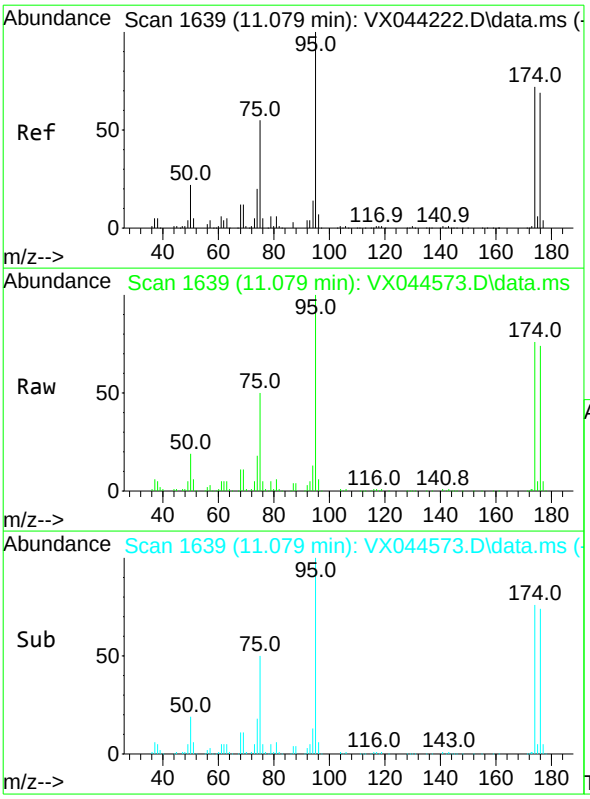


#50
Toluene-d8
Concen: 52.973 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044573.D
Acq: 31 Dec 2024 12:14

Tgt Ion: 98 Resp: 266792

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.5	77.3



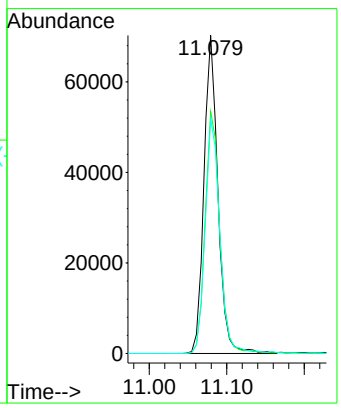


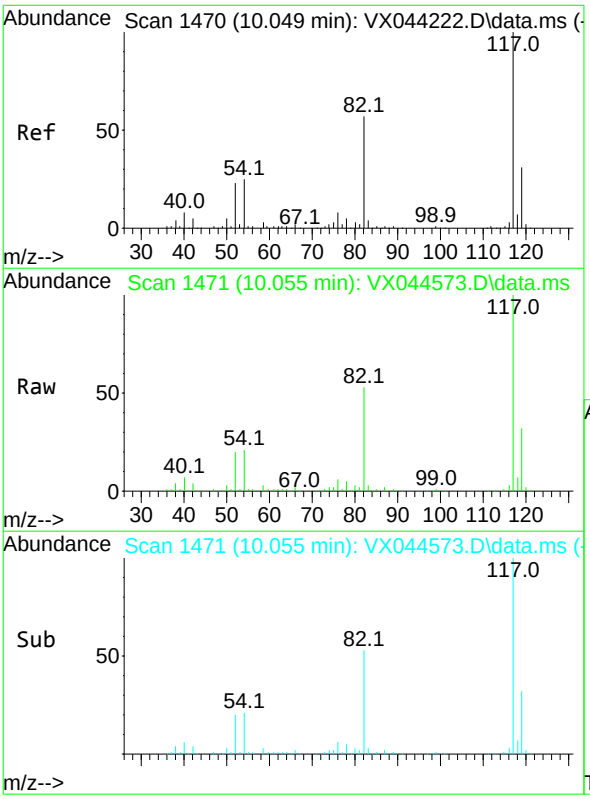
#62
4-Bromofluorobenzene
Concen: 49.954 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044573.D
Acq: 31 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
DUP-07-20241218

Tgt Ion: 95 Resp: 87911

Ion	Ratio	Lower	Upper
95	100		
174	79.9	0.0	145.8
176	77.7	0.0	137.8

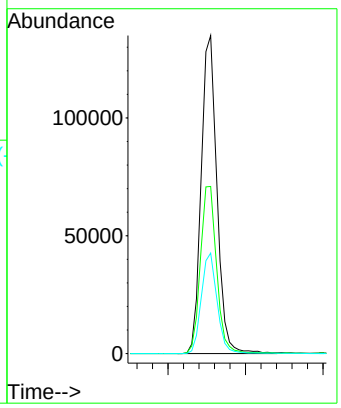


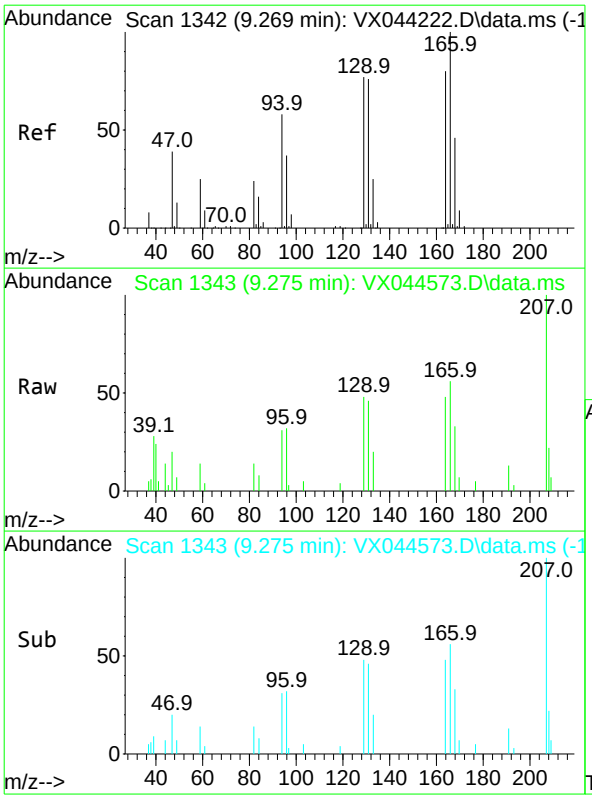


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044573.D
Acq: 31 Dec 2024 12:14

Tgt Ion:117 Resp: 190830

Ion	Ratio	Lower	Upper
117	100		
82	52.6	45.8	68.8
119	31.6	25.0	37.4



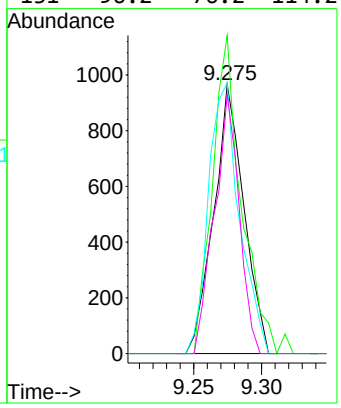


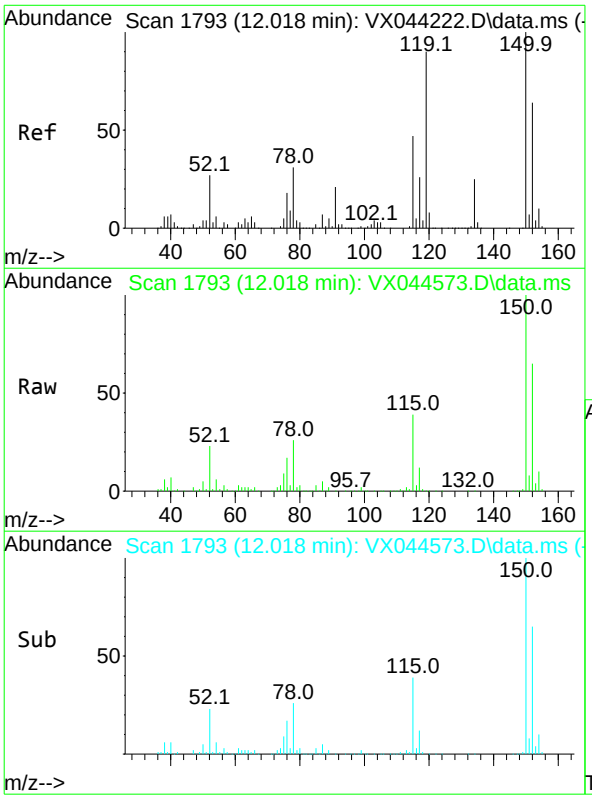
#64
Tetrachloroethene
Concen: 1.176 ug/l
RT: 9.275 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044573.D
Acq: 31 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
DUP-07-20241218

Tgt Ion:164 Resp: 1489

Ion	Ratio	Lower	Upper
164	100		
166	118.2	100.4	150.6
129	100.6	77.2	115.8
131	96.2	76.2	114.2

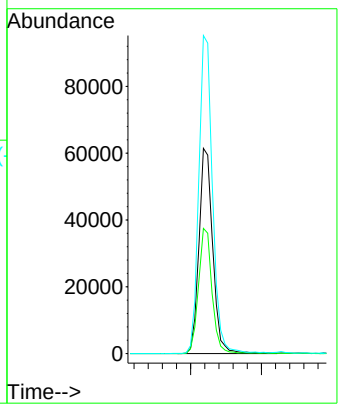




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044573.D
Acq: 31 Dec 2024 12:14

Tgt Ion:152 Resp: 83236

Ion	Ratio	Lower	Upper
152	100		
115	60.0	44.5	133.3
150	154.4	0.0	353.8



Raw Data: **VX044553.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT174I1-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044553.D	1		12/30/24 18:51	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.94	J	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.60	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.25	J	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.45	J	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	2.70		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.27	J	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	1.70		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX044553.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT174I1-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044553.D	1		12/30/24 18:51	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.54	J	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	40.8		81 - 118		82%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	51.5		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	128000	5.55				
540-36-3	1,4-Difluorobenzene	216000	6.757				
3114-55-4	Chlorobenzene-d5	195000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	84300	12.018				

Raw Data: **VX044553.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT174I1-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044553.D	1		12/30/24 18:51	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (LSC Reviewed)

Sample Results: **VX044553.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044553.D
Acq On : 30 Dec 2024 18:51
Operator : JC/MD
Sample : P5376-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT174I1-20241218

Quant Time: Dec 31 00:35:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	127903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	216454	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	194600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	84267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91442	40.776	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 81.560%			
35) Dibromofluoromethane	5.379	113	72824	48.577	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.160%			
50) Toluene-d8	8.647	98	260638	51.533	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.060%			
62) 4-Bromofluorobenzene	11.079	95	84702	47.928	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.860%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.313	96	1346	0.939	ug/l	96
16) Acetone	2.386	43	1508	1.649	ug/l #	82
19) Methyl tert-butyl Ether	3.111	73	1419	0.254	ug/l #	86
20) Methylene Chloride	2.776	84	764	0.445	ug/l #	53
24) 1,1-Dichloroethane	3.611	63	8031	2.679	ug/l	93
30) Chloroform	5.093	83	907	0.269	ug/l	100
44) Trichloroethene	7.135	130	2535	1.728	ug/l	97
64) Tetrachloroethene	9.281	164	692	0.536	ug/l #	85

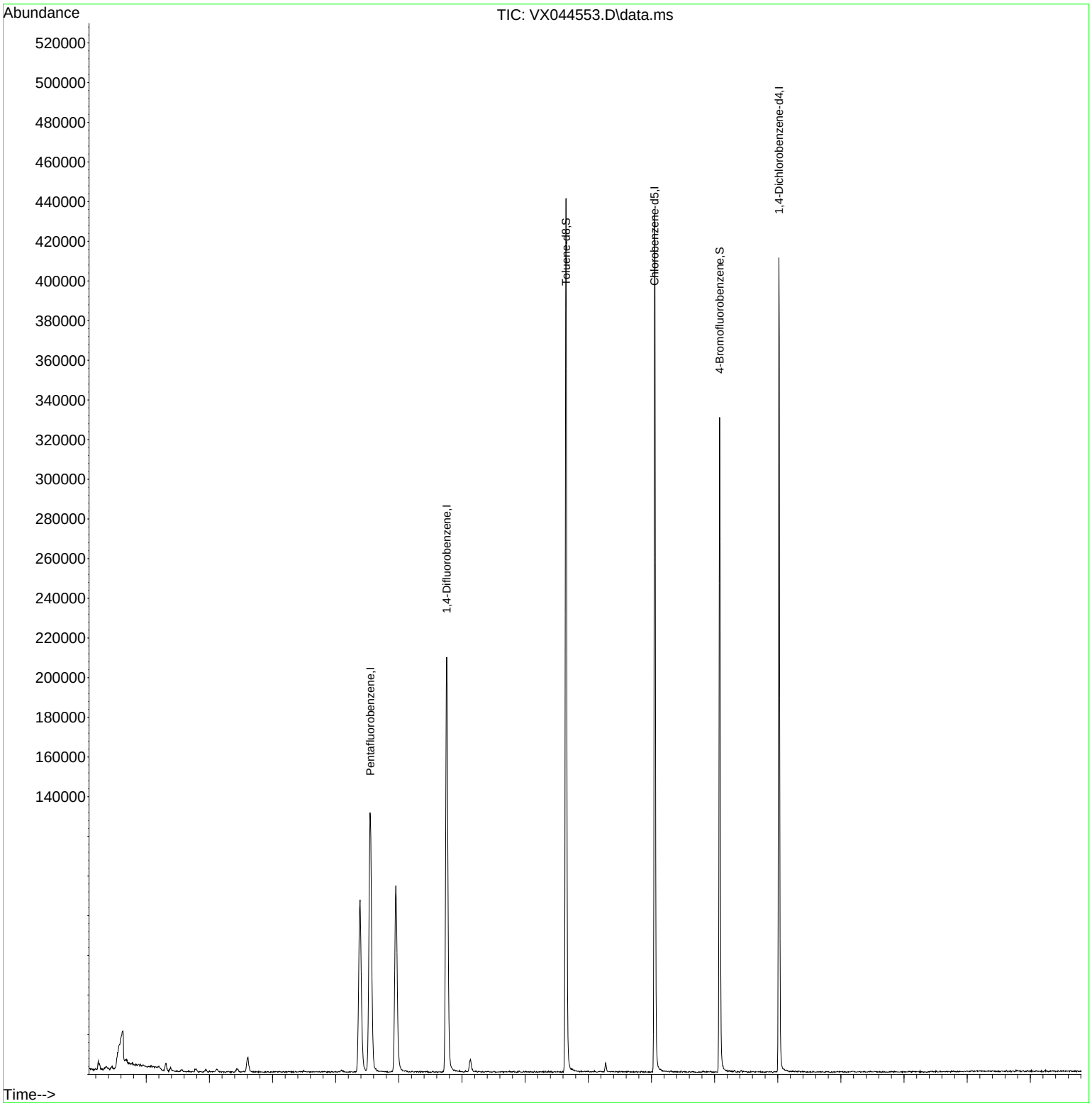
(#) = qualifier out of range (m) = manual integration (+) = signals summed

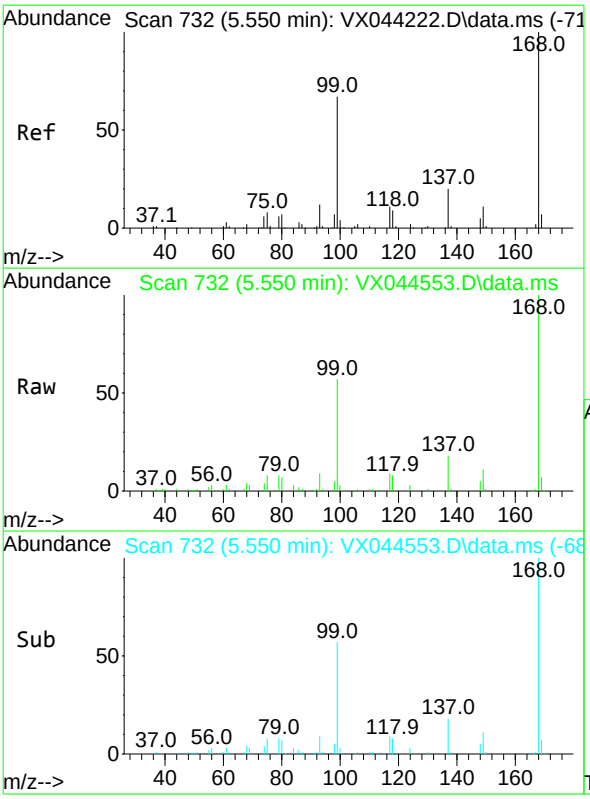
Sample Results: **VX044553.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044553.D
Acq On : 30 Dec 2024 18:51
Operator : JC/MD
Sample : P5376-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT174I1-20241218

Quant Time: Dec 31 00:35:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



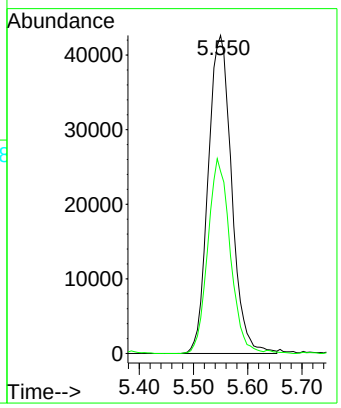


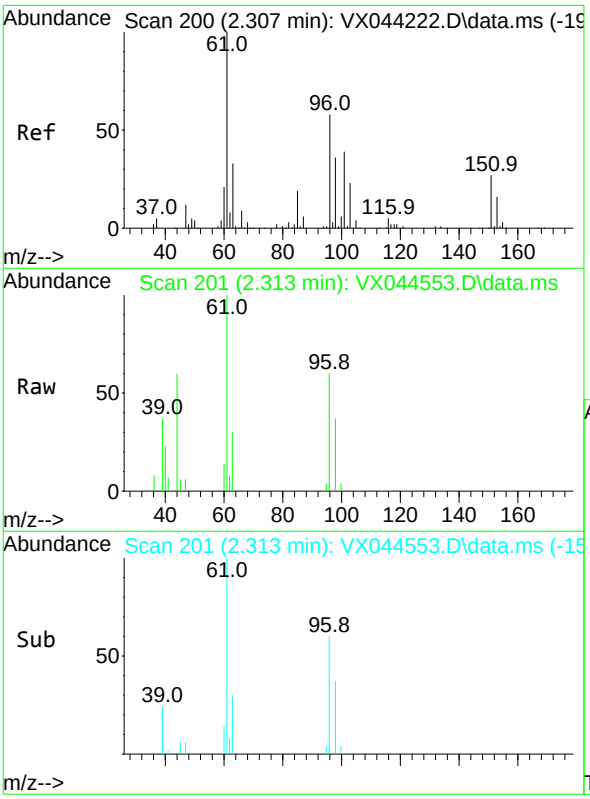
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Instrument :
MSVOA_X
ClientSampleId :
TT174I1-20241218

Tgt Ion:168 Resp: 127903

Ion	Ratio	Lower	Upper
168	100		
99	57.3	53.4	80.0

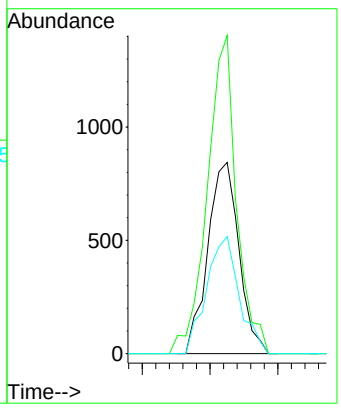


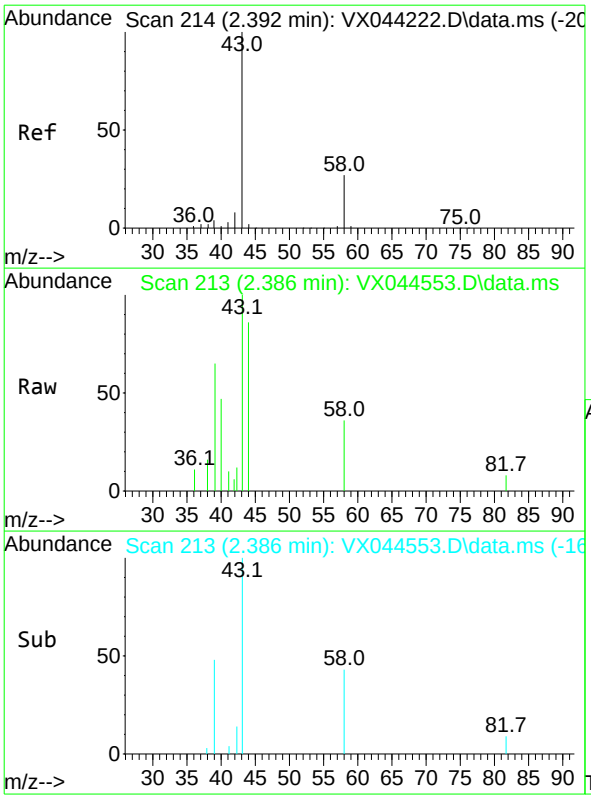


#12
1,1-Dichloroethene
Concen: 0.939 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Tgt Ion: 96 Resp: 1346

Ion	Ratio	Lower	Upper
96	100		
61	166.4	138.0	207.0
98	61.3	50.0	75.0



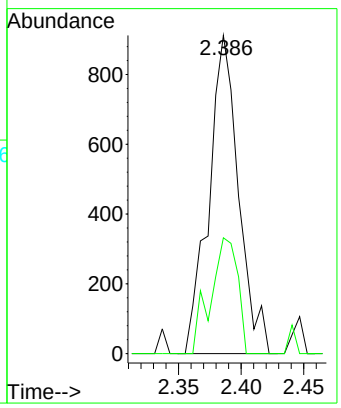


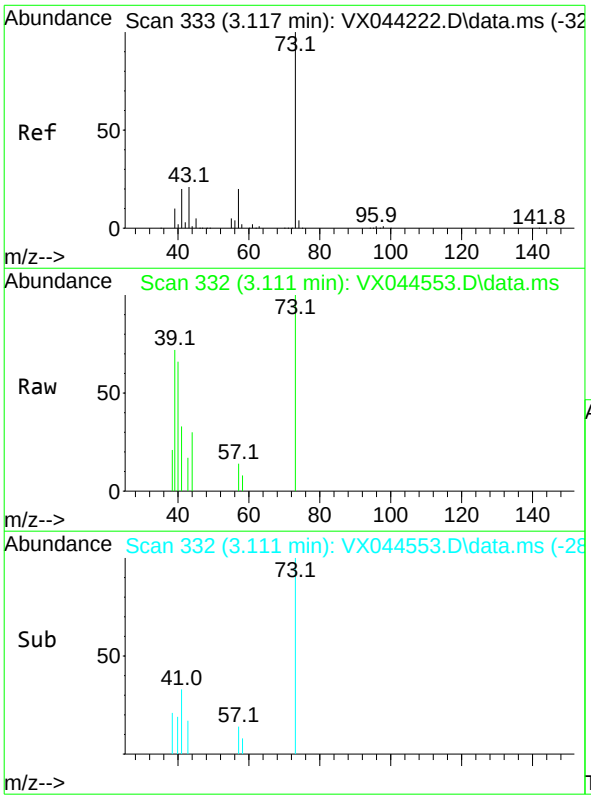
#16
Acetone
Concen: 1.649 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Instrument :
MSVOA_X
ClientSampleId :
TT174I1-20241218

Tgt Ion: 43 Resp: 1508

Ion	Ratio	Lower	Upper
43	100		
58	36.4	21.6	32.4#

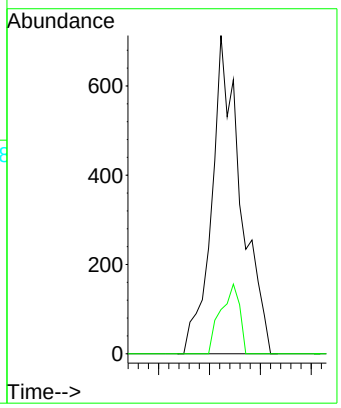


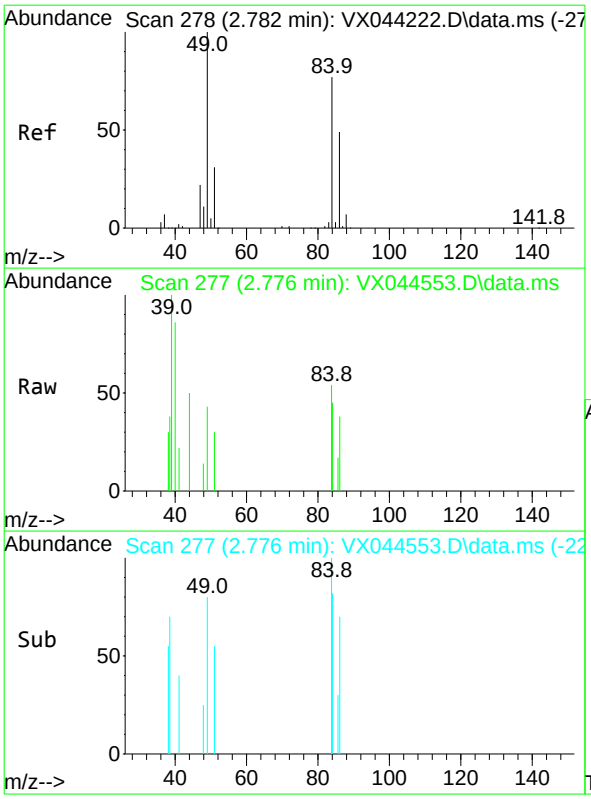


#19
Methyl tert-butyl Ether
Concen: 0.254 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Tgt Ion: 73 Resp: 1419

Ion	Ratio	Lower	Upper
73	100		
57	13.9	16.2	24.4#



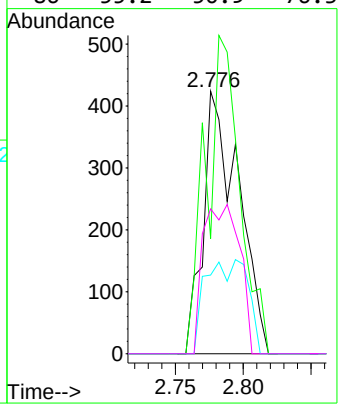


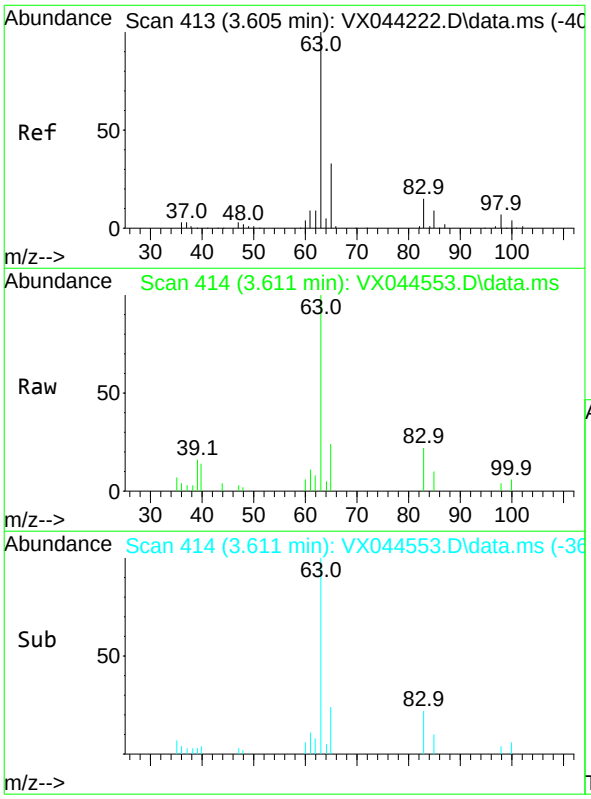
#20
Methylene Chloride
Concen: 0.445 ug/l
RT: 2.776 min Scan# 27
Delta R.T. -0.006 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Instrument :
MSVOA_X
ClientSampleId :
TT174I1-20241218

Tgt Ion: 84 Resp: 764

Ion	Ratio	Lower	Upper
84	100		
49	43.9	104.2	156.4#
51	30.0	32.2	48.4#
86	55.2	50.9	76.3

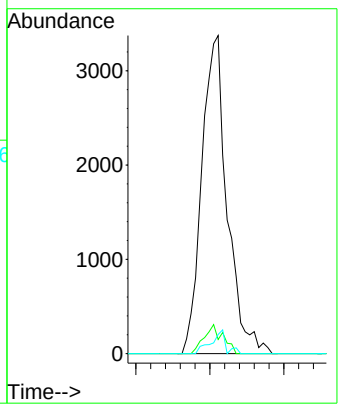


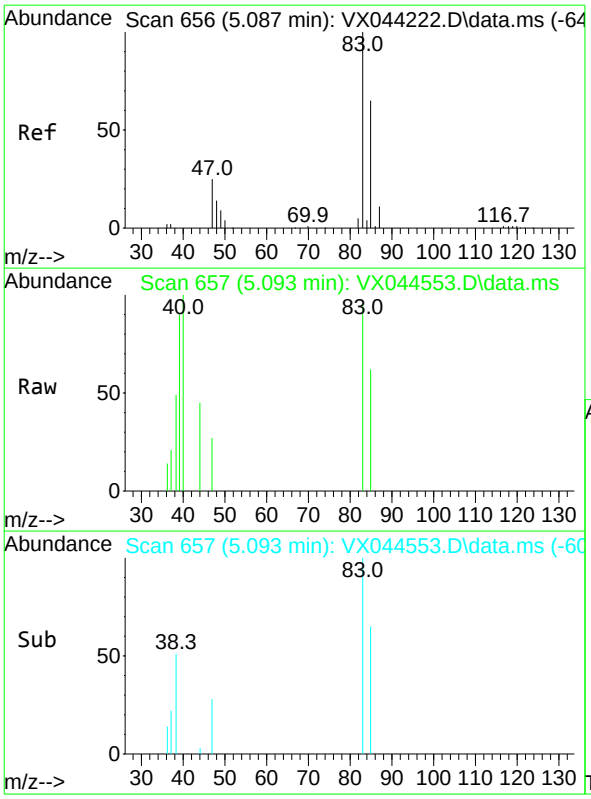


#24
1,1-Dichloroethane
Concen: 2.679 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Tgt Ion: 63 Resp: 8031

Ion	Ratio	Lower	Upper
63	100		
98	4.4	3.6	10.8
100	6.0	2.1	6.3



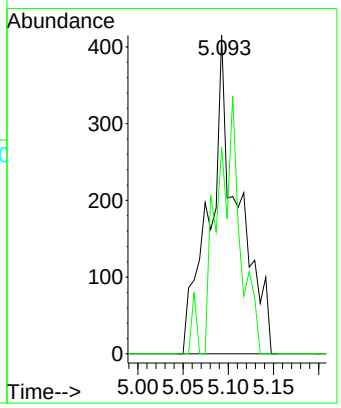


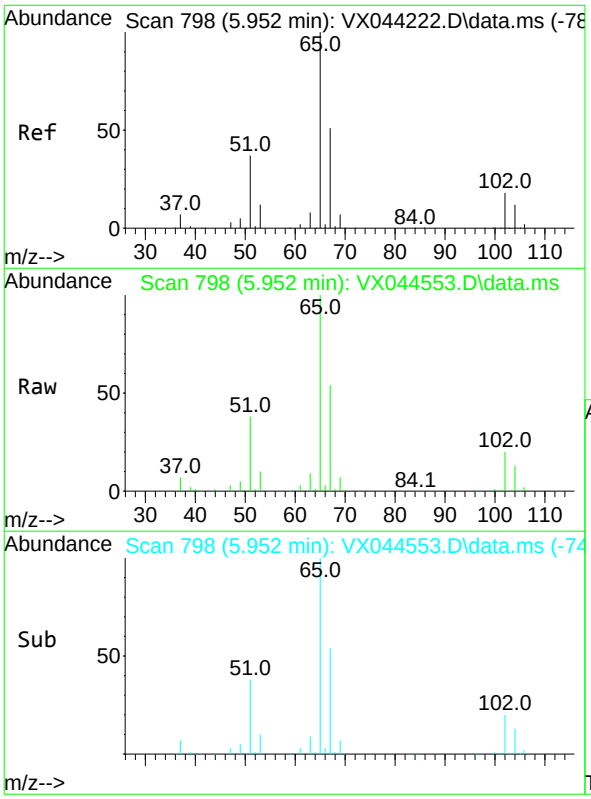
#30
Chloroform
Concen: 0.269 ug/l
RT: 5.093 min Scan# 65
Delta R.T. 0.006 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Instrument :
MSVOA_X
ClientSampleId :
TT174I1-20241218

Tgt Ion: 83 Resp: 907

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.6	77.4

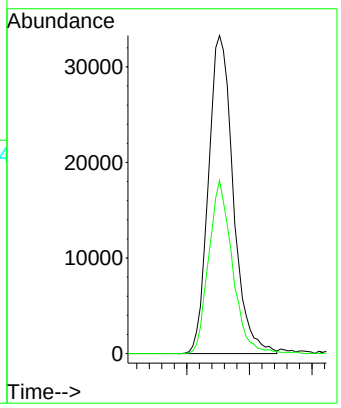


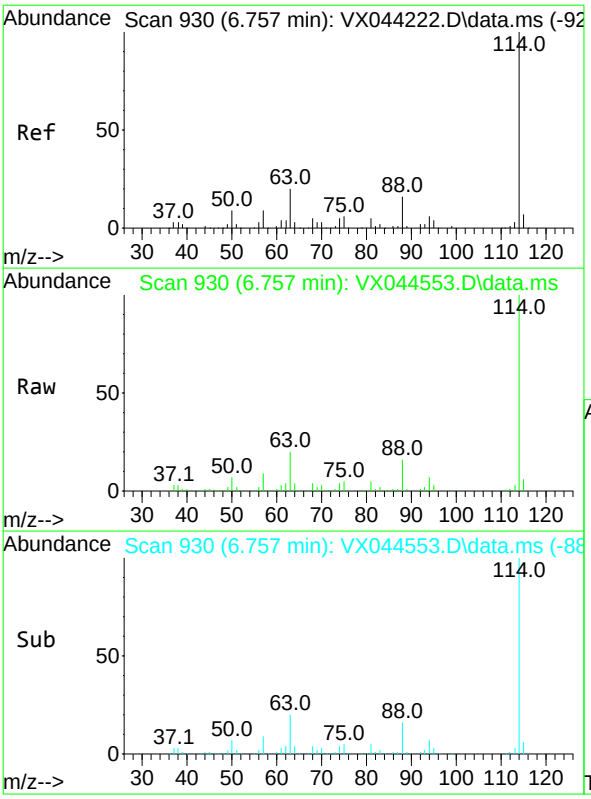


#33
1,2-Dichloroethane-d4
Concen: 40.776 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Tgt Ion: 65 Resp: 91442

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	101.6



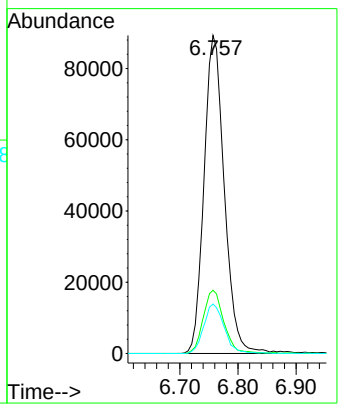


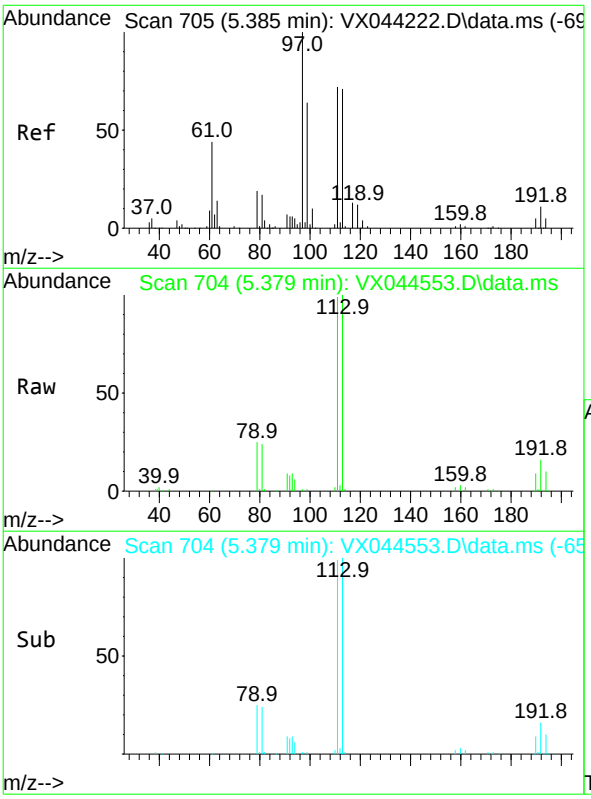
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Instrument :
MSVOA_X
ClientSampleId :
TT174I1-20241218

Tgt Ion:114 Resp: 216454

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.6
88	15.6	0.0	31.8

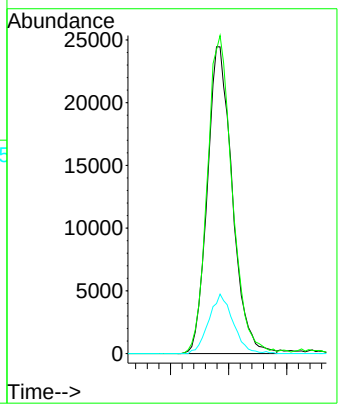


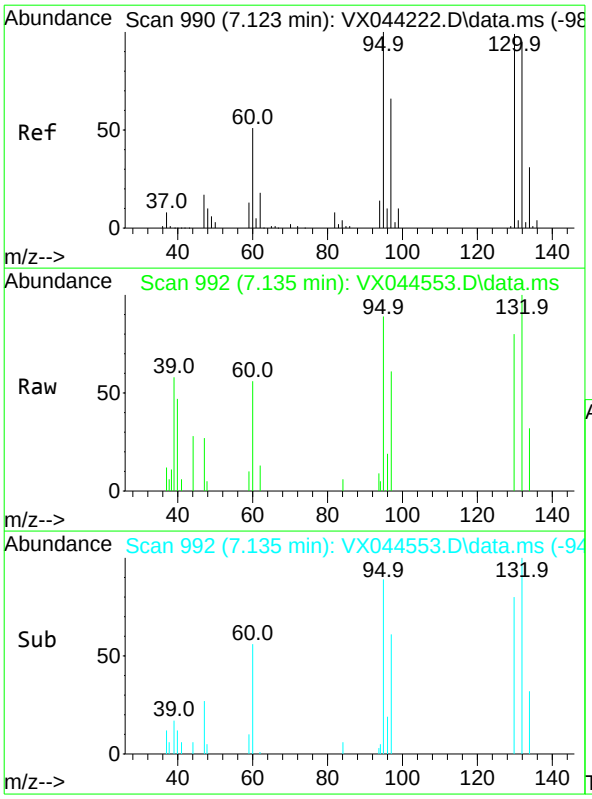


#35
Dibromofluoromethane
Concen: 48.577 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Tgt Ion:113 Resp: 72824

Ion	Ratio	Lower	Upper
113	100		
111	103.8	80.4	120.6
192	18.8	13.3	19.9



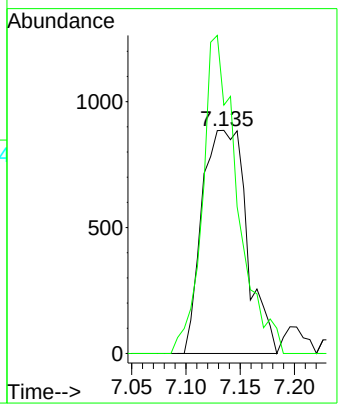


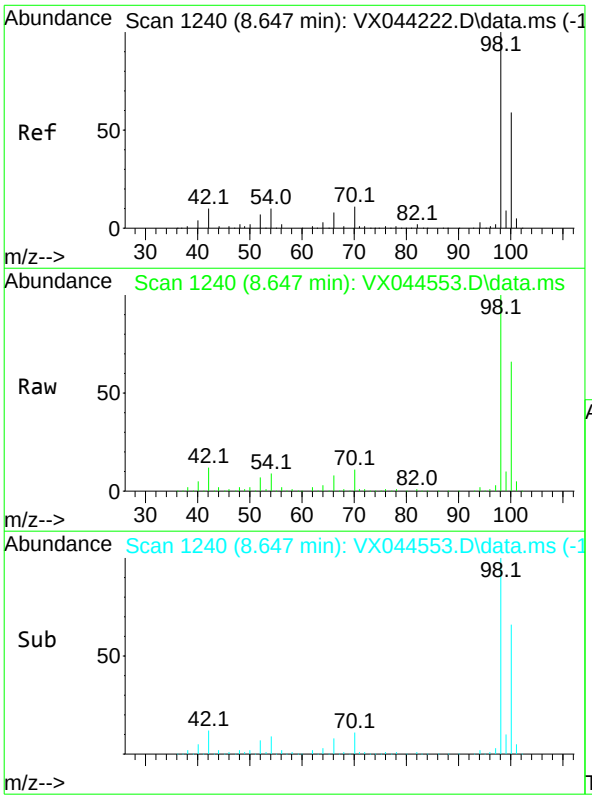
#44
Trichloroethene
Concen: 1.728 ug/l
RT: 7.135 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Instrument :
MSVOA_X
ClientSampleId :
TT174I1-20241218

Tgt Ion:130 Resp: 2535

Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	201.4

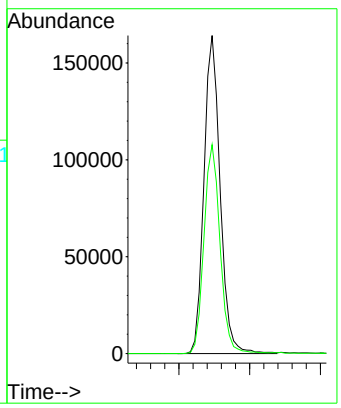


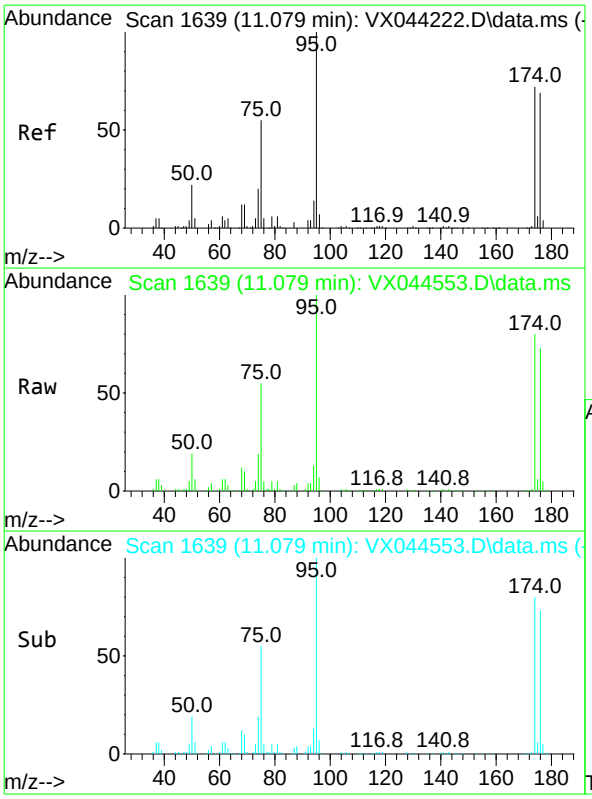


#50
Toluene-d8
Concen: 51.533 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Tgt Ion: 98 Resp: 260638

Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.5	77.3



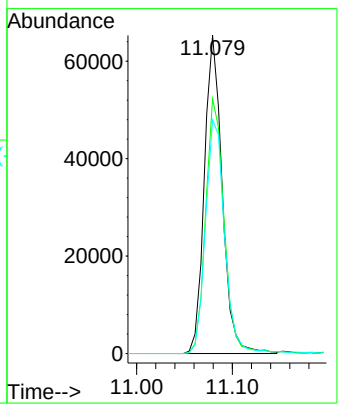


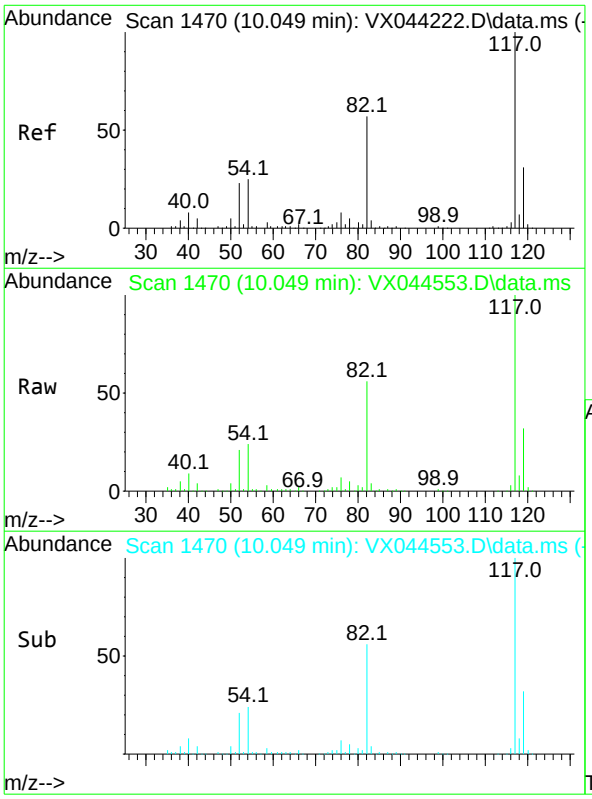
#62
4-Bromofluorobenzene
Concen: 47.928 ug/l
RT: 11.079 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Instrument :
MSVOA_X
ClientSampleId :
TT174I1-20241218

Tgt Ion: 95 Resp: 84702

Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	145.8
176	78.5	0.0	137.8

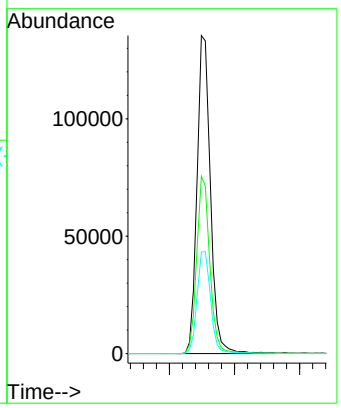


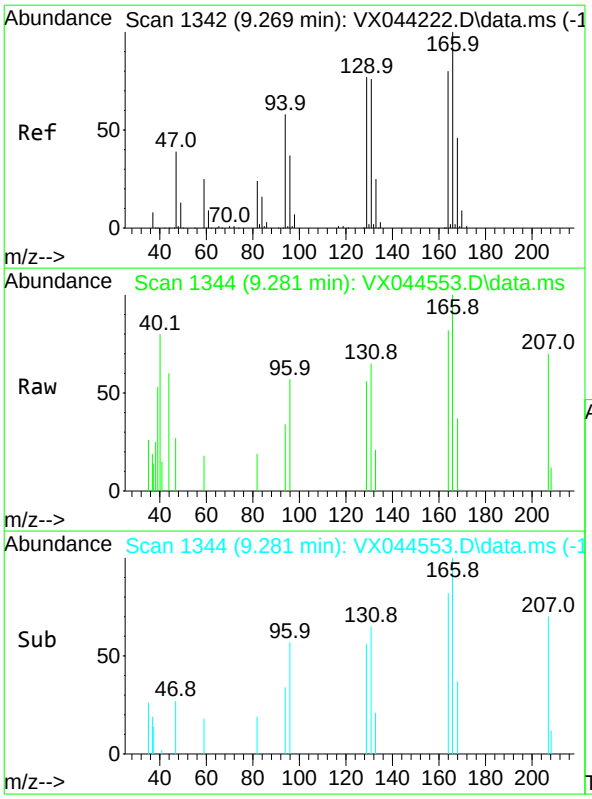


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Tgt Ion:117 Resp: 194600

Ion	Ratio	Lower	Upper
117	100		
82	55.8	45.8	68.8
119	31.9	25.0	37.4



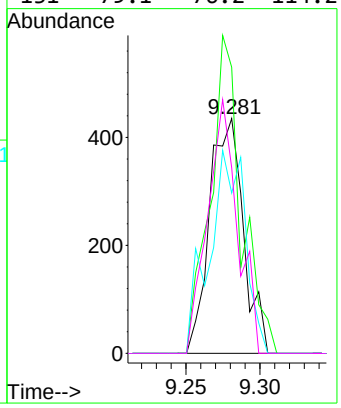


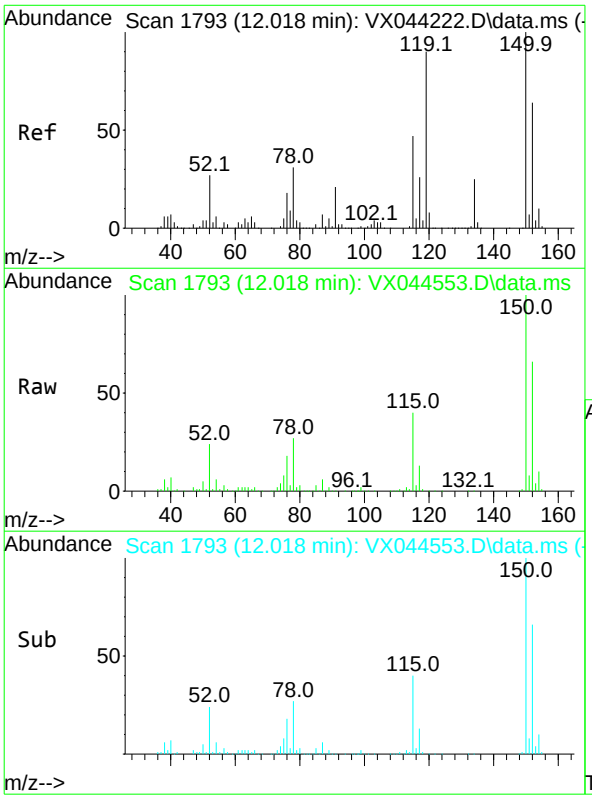
#64
Tetrachloroethene
Concen: 0.536 ug/l
RT: 9.281 min Scan# 13
Delta R.T. 0.012 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Instrument :
MSVOA_X
ClientSampleId :
TT174I1-20241218

Tgt Ion:164 Resp: 692

Ion	Ratio	Lower	Upper
164	100		
166	121.8	100.4	150.6
129	68.3	77.2	115.8#
131	79.1	76.2	114.2

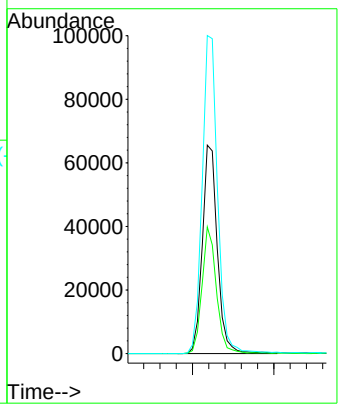




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044553.D
Acq: 30 Dec 2024 18:51

Tgt Ion:152 Resp: 84267

Ion	Ratio	Lower	Upper
152	100		
115	58.3	44.5	133.3
150	156.3	0.0	353.8



Raw Data: **VX044563.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW10-MW01S-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044563.D	1		12/30/24 22:44	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.10		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.65	J	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.76	J	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX044563.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW10-MW01S-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044563.D	1		12/30/24 22:44	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	4.90		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	44.6		81 - 118		89%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	53.5		89 - 112		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	109000	5.55				
540-36-3	1,4-Difluorobenzene	192000	6.757				
3114-55-4	Chlorobenzene-d5	173000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	69100	12.024				

Raw Data: **VX044563.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW10-MW01S-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044563.D	1		12/30/24 22:44	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (LSC Reviewed)

Sample Results: **VX044563.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044563.D
Acq On : 30 Dec 2024 22:44
Operator : JC/MD
Sample : P5376-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218

Quant Time: Dec 31 00:40:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	109256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	192338	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	172631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	69122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85418	44.590	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 89.180%			
35) Dibromofluoromethane	5.385	113	66327	49.791	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.580%			
50) Toluene-d8	8.647	98	240413	53.494	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.980%			
62) 4-Bromofluorobenzene	11.079	95	75918	48.344	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.680%			
Target Compounds						Qvalue
16) Acetone	2.392	43	1032	1.321	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	5220	1.092	ug/l	96
27) cis-1,2-Dichloroethene	4.501	96	1080	0.653	ug/l	96
44) Trichloroethene	7.135	130	985	0.756	ug/l	87
64) Tetrachloroethene	9.275	164	5610	4.896	ug/l	91

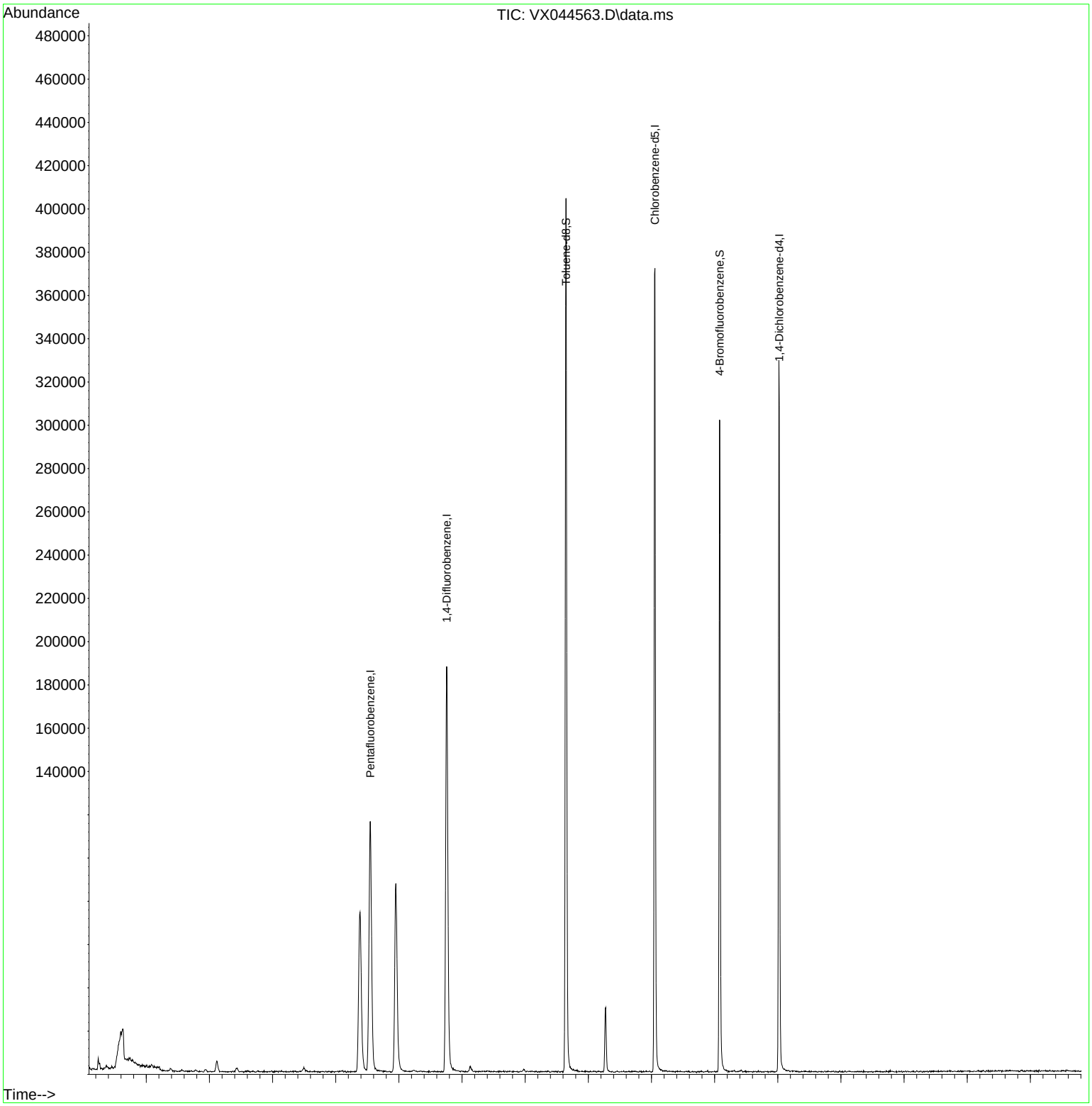
(#) = qualifier out of range (m) = manual integration (+) = signals summed

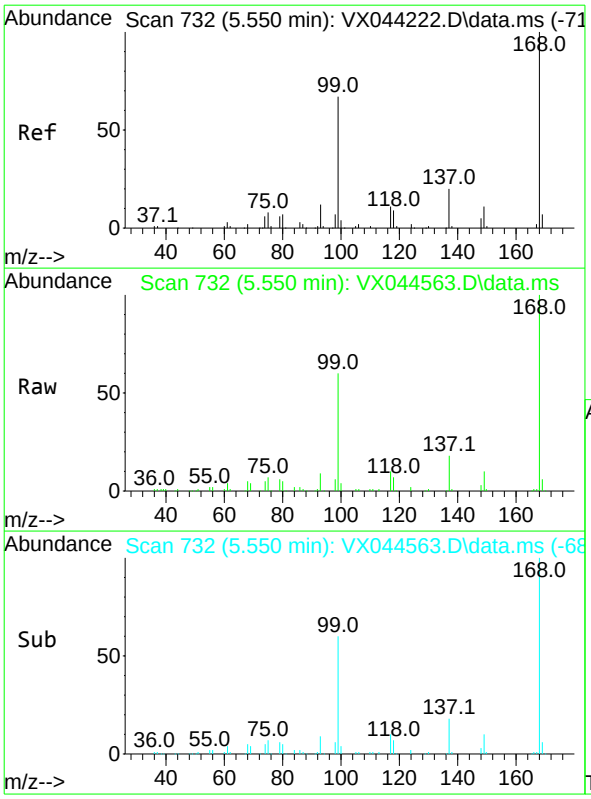
Sample Results: **VX044563.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044563.D
Acq On : 30 Dec 2024 22:44
Operator : JC/MD
Sample : P5376-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218

Quant Time: Dec 31 00:40:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



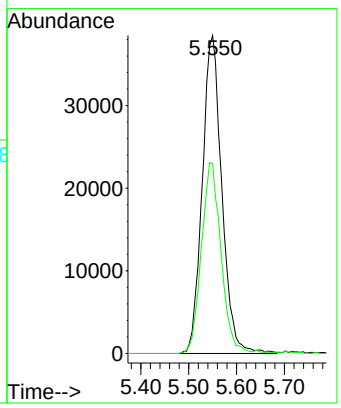


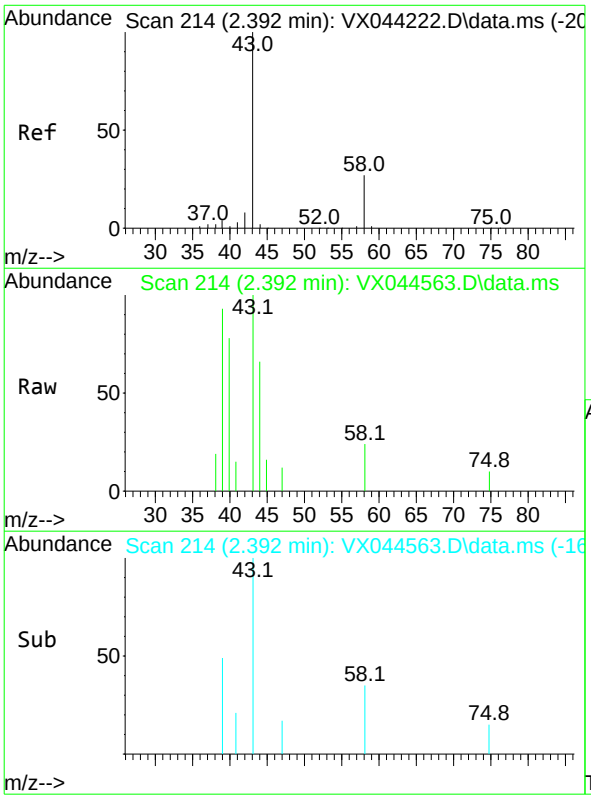
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044563.D
Acq: 30 Dec 2024 22:44

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218

Tgt Ion:168 Resp: 109256

Ion	Ratio	Lower	Upper
168	100		
99	59.7	53.4	80.0

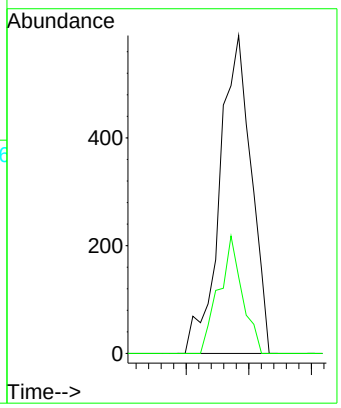


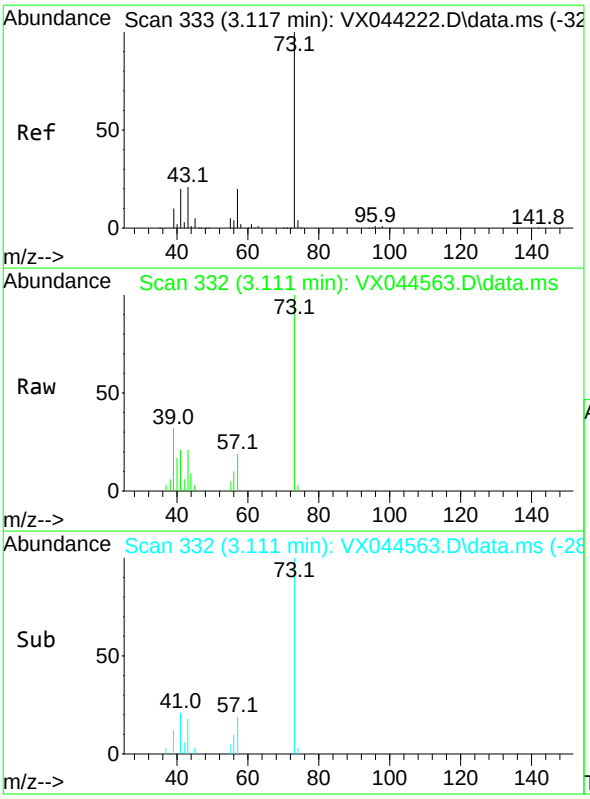


#16
Acetone
Concen: 1.321 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044563.D
Acq: 30 Dec 2024 22:44

Tgt Ion: 43 Resp: 1032

Ion	Ratio	Lower	Upper
43	100		
58	24.1	21.6	32.4



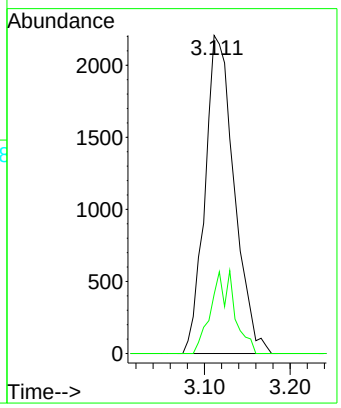


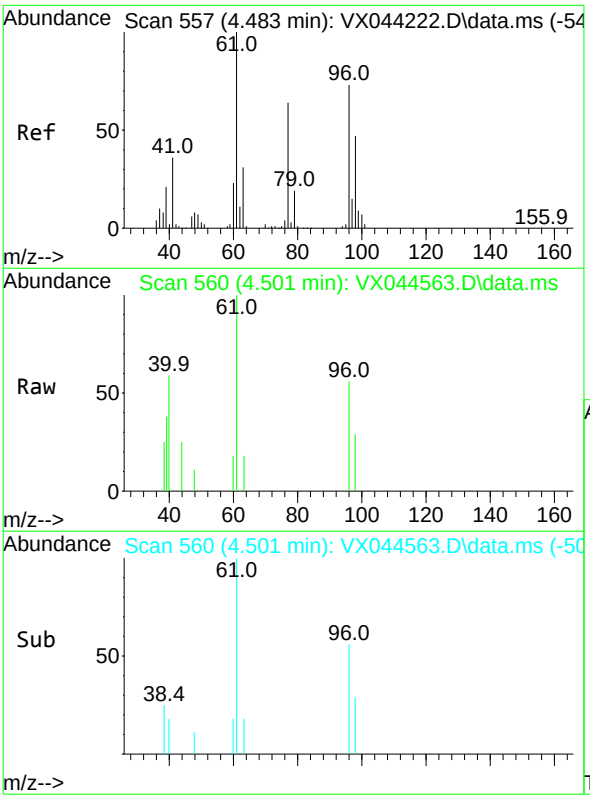
#19
Methyl tert-butyl Ether
Concen: 1.092 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX044563.D
Acq: 30 Dec 2024 22:44

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218

Tgt Ion: 73 Resp: 5220

Ion	Ratio	Lower	Upper
73	100		
57	18.6	16.2	24.4

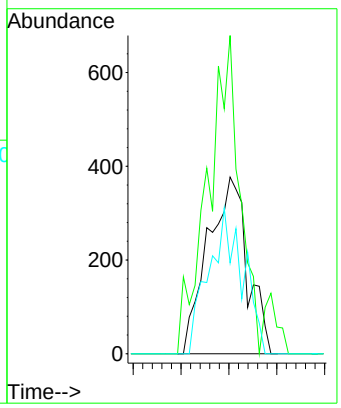


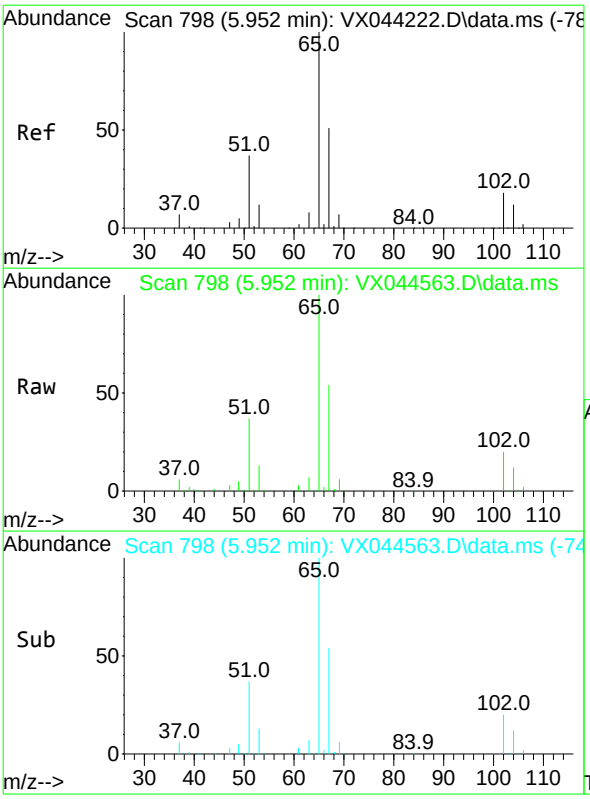


#27
cis-1,2-Dichloroethene
Concen: 0.653 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.018 min
Lab File: VX044563.D
Acq: 30 Dec 2024 22:44

Tgt Ion: 96 Resp: 1080

Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	299.0
98	70.9	0.0	129.0



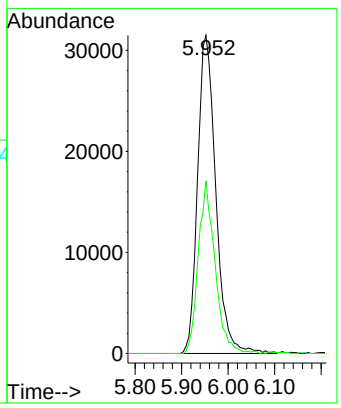


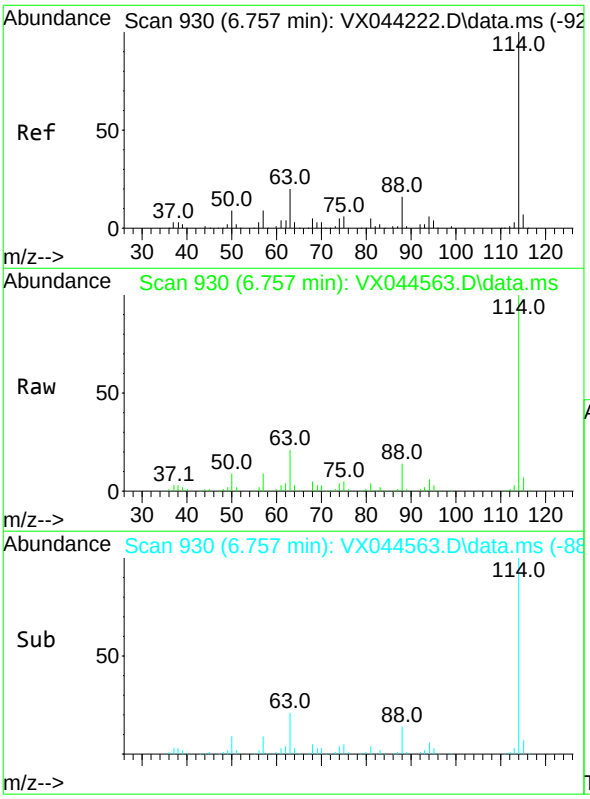
#33
1,2-Dichloroethane-d4
Concen: 44.590 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044563.D
Acq: 30 Dec 2024 22:44

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218

Tgt Ion: 65 Resp: 85418

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	101.6

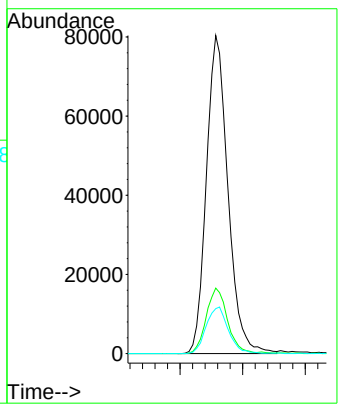


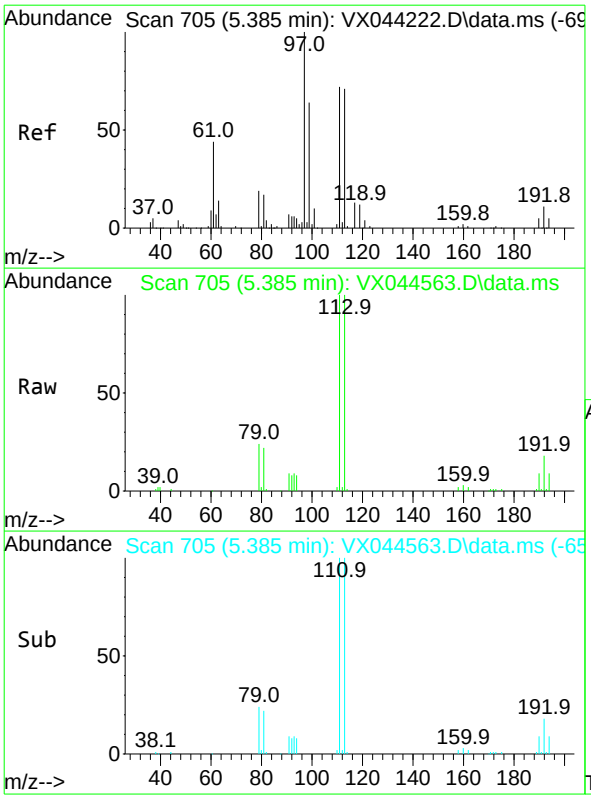


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044563.D
Acq: 30 Dec 2024 22:44

Tgt Ion:114 Resp: 192338

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.6
88	14.1	0.0	31.8



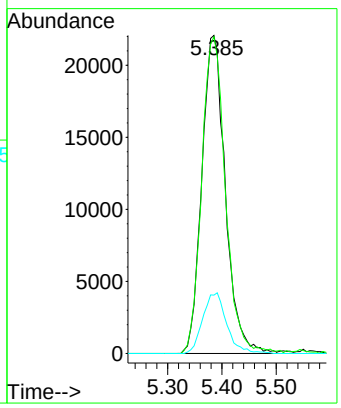


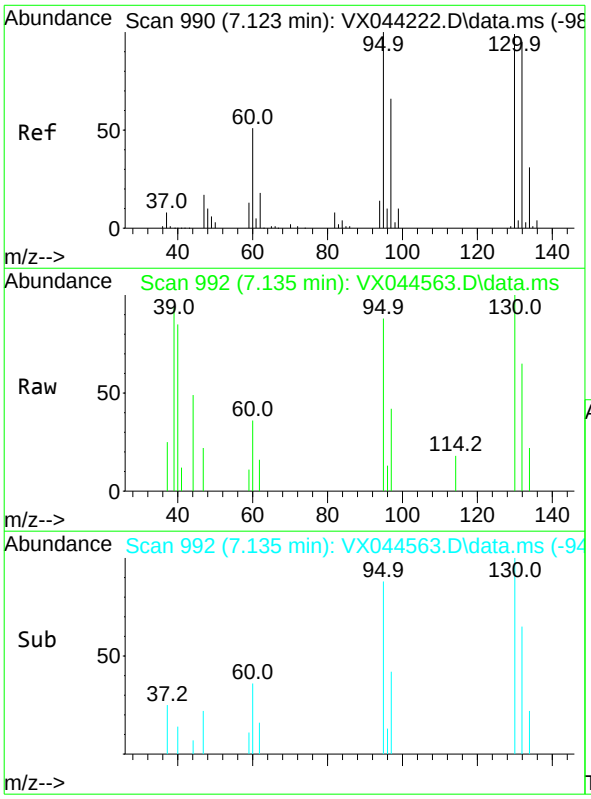
#35
Dibromofluoromethane
Concen: 49.791 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044563.D
Acq: 30 Dec 2024 22:44

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218

Tgt Ion:113 Resp: 66327

Ion	Ratio	Lower	Upper
113	100		
111	100.6	80.4	120.6
192	19.4	13.3	19.9

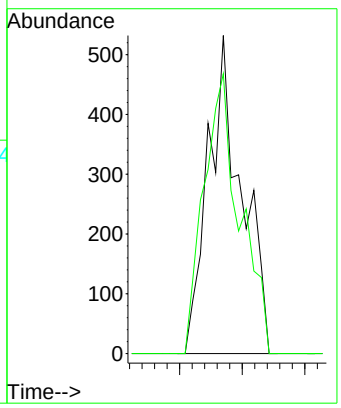


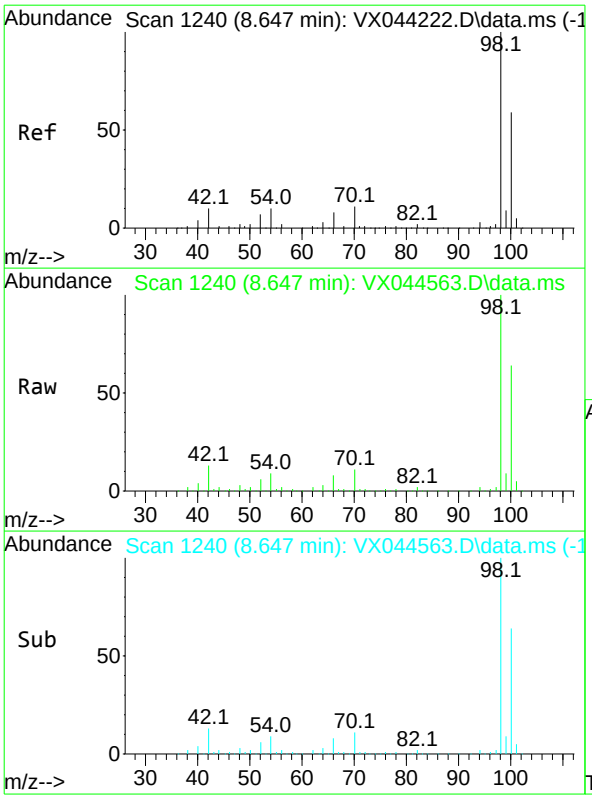


#44
Trichloroethene
Concen: 0.756 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.012 min
Lab File: VX044563.D
Acq: 30 Dec 2024 22:44

Tgt Ion:130 Resp: 985

Ion	Ratio	Lower	Upper
130	100		
95	88.0	0.0	201.4



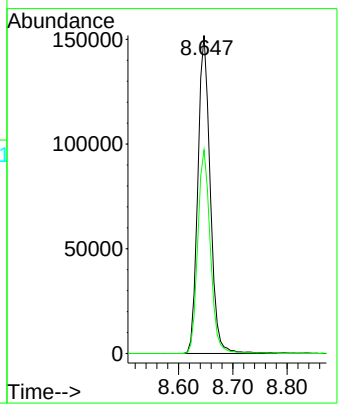


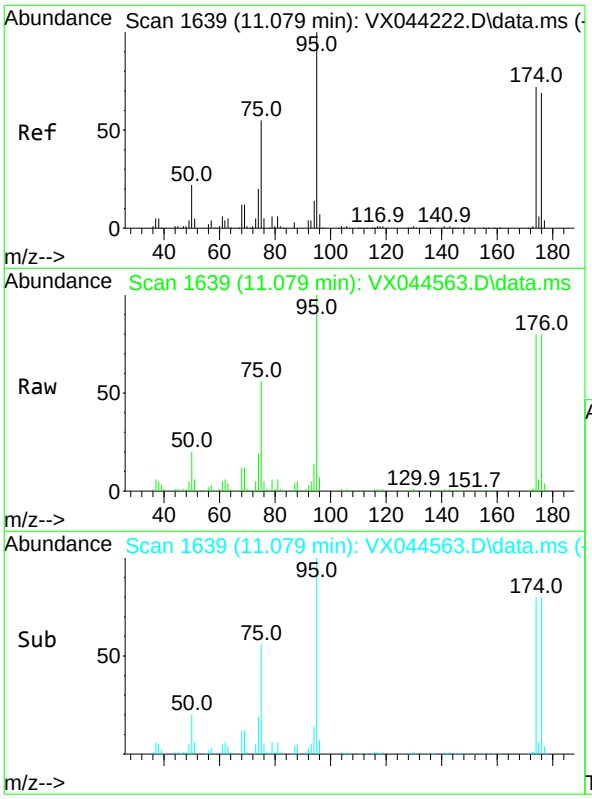
#50
Toluene-d8
Concen: 53.494 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044563.D
Acq: 30 Dec 2024 22:44

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218

Tgt Ion: 98 Resp: 240413

Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.5	77.3

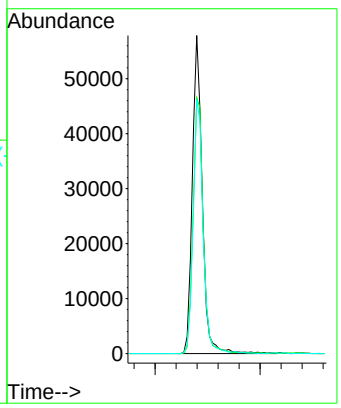


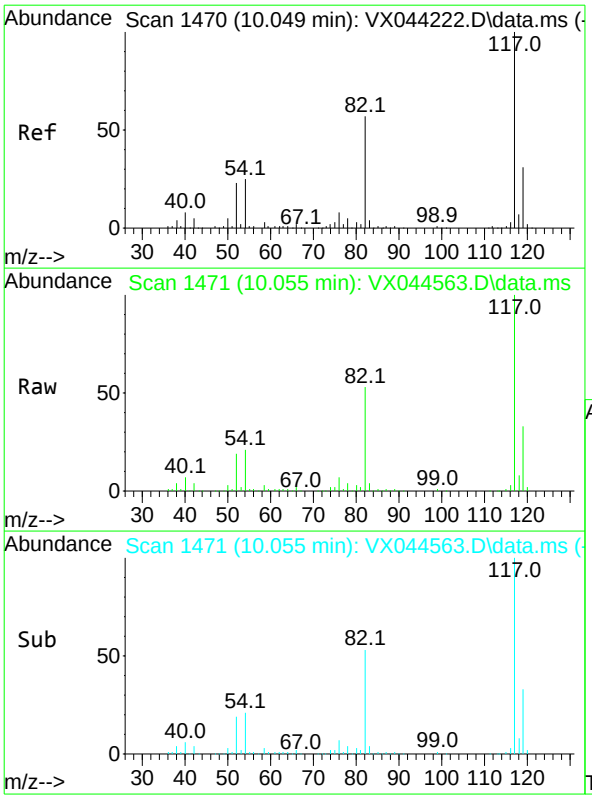


#62
4-Bromofluorobenzene
Concen: 48.344 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044563.D
Acq: 30 Dec 2024 22:44

Tgt Ion: 95 Resp: 75918

Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	145.8
176	79.0	0.0	137.8



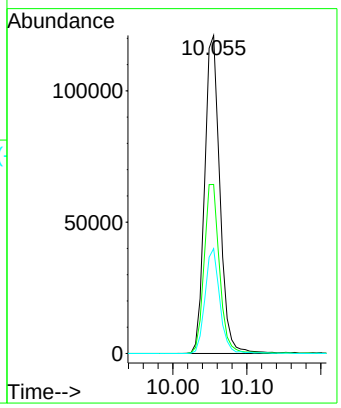


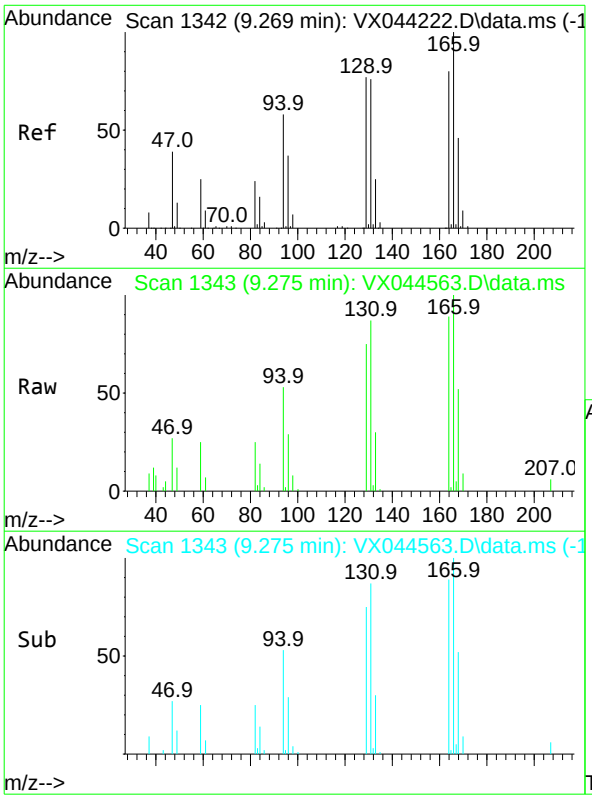
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044563.D
Acq: 30 Dec 2024 22:44

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218

Tgt Ion:117 Resp: 172631

Ion	Ratio	Lower	Upper
117	100		
82	53.1	45.8	68.8
119	33.0	25.0	37.4

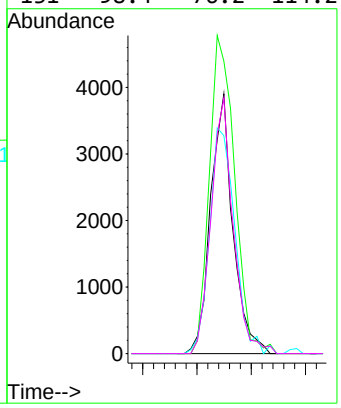


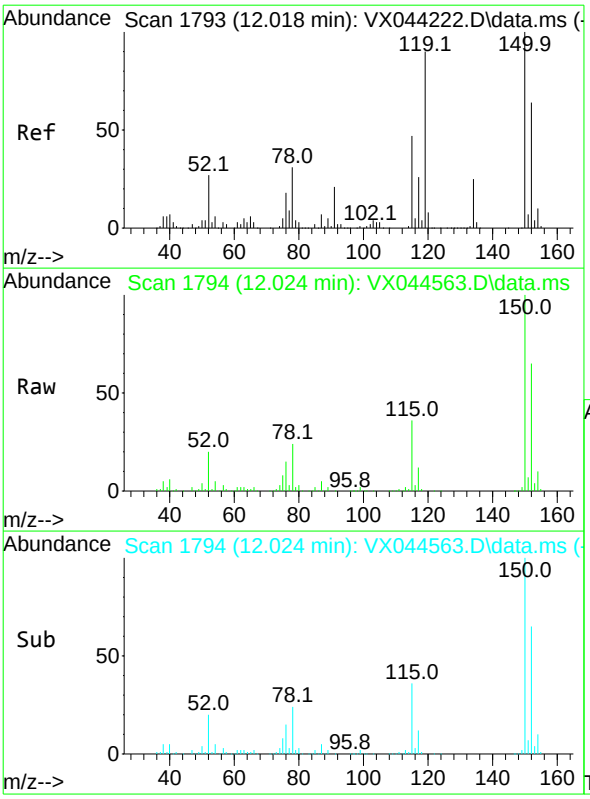


#64
Tetrachloroethene
Concen: 4.896 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044563.D
Acq: 30 Dec 2024 22:44

Tgt Ion:164 Resp: 5610

Ion	Ratio	Lower	Upper
164	100		
166	112.6	100.4	150.6
129	83.9	77.2	115.8
131	98.4	76.2	114.2



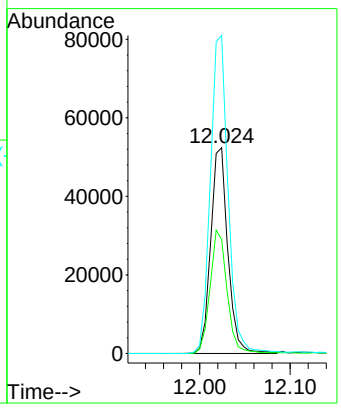


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. 0.006 min
Lab File: VX044563.D
Acq: 30 Dec 2024 22:44

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218

Tgt Ion:152 Resp: 69122

Ion	Ratio	Lower	Upper
152	100		
115	59.4	44.5	133.3
150	160.2	0.0	353.8



Raw Data: **VX044554.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW10-MW01D-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044554.D	1		12/30/24 19:14	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.42	J	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX044554.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW10-MW01D-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044554.D	1		12/30/24 19:14	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.3		81 - 118		85%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	52.1		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	124000	5.55				
540-36-3	1,4-Difluorobenzene	213000	6.757				
3114-55-4	Chlorobenzene-d5	188000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	80300	12.018				

Raw Data: **VX044554.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW10-MW01D-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-10	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044554.D	1		12/30/24 19:14	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Sample Results: **VX044554.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044554.D
Acq On : 30 Dec 2024 19:14
Operator : JC/MD
Sample : P5376-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20241218

Quant Time: Dec 31 00:36:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	123900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	212555	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	188273	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	80341	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91926	42.316	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 84.640%			
35) Dibromofluoromethane	5.379	113	72993	49.583	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.160%			
50) Toluene-d8	8.647	98	258525	52.053	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.100%			
62) 4-Bromofluorobenzene	11.079	95	84006	48.406	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.820%			
Target Compounds						Qvalue
3) Chloromethane	1.294	50	772	0.421	ug/l #	72
16) Acetone	2.392	43	1143	1.291	ug/l #	37
20) Methylene Chloride	2.776	84	509	0.306	ug/l #	64

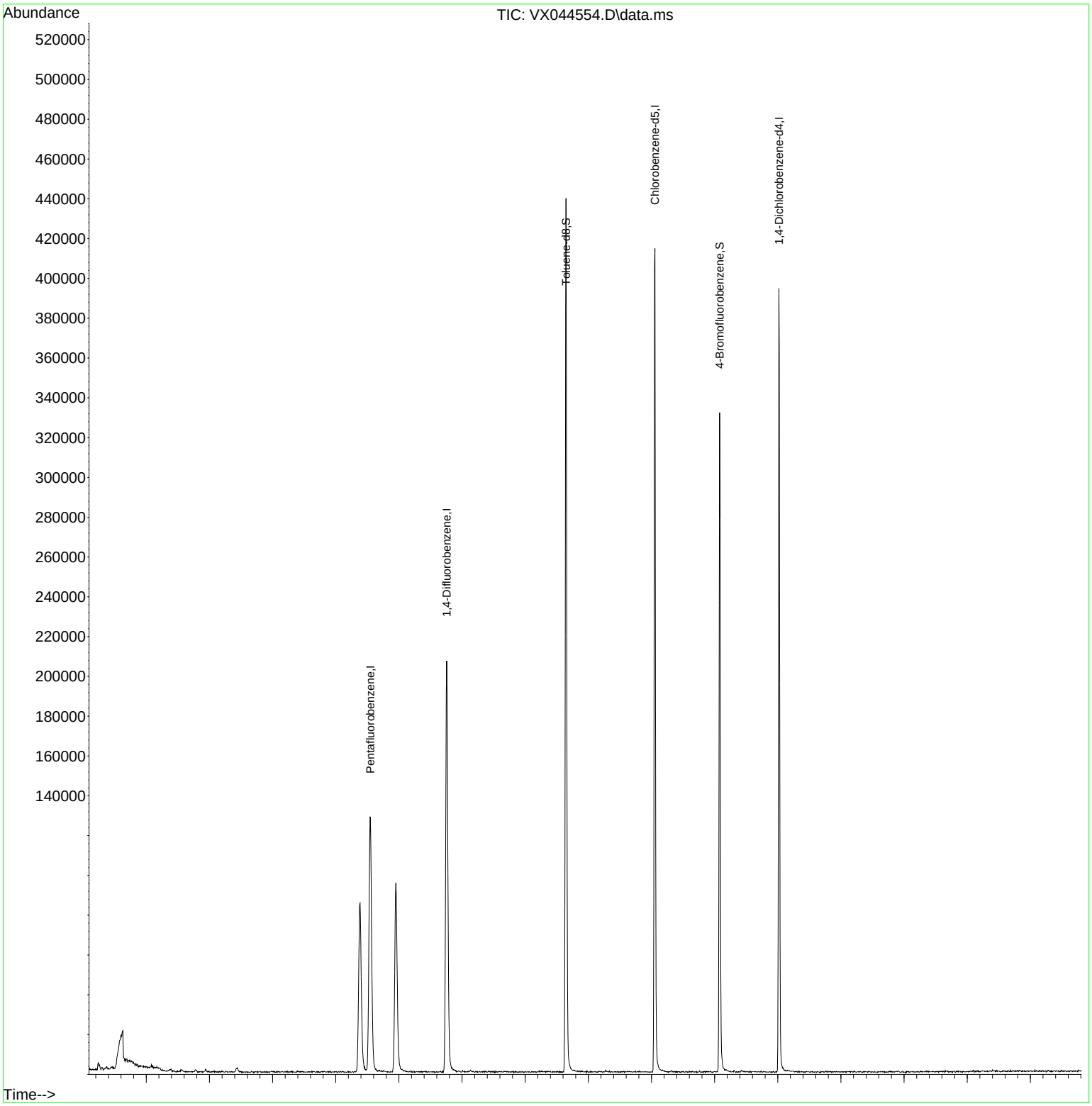
(#) = qualifier out of range (m) = manual integration (+) = signals summed

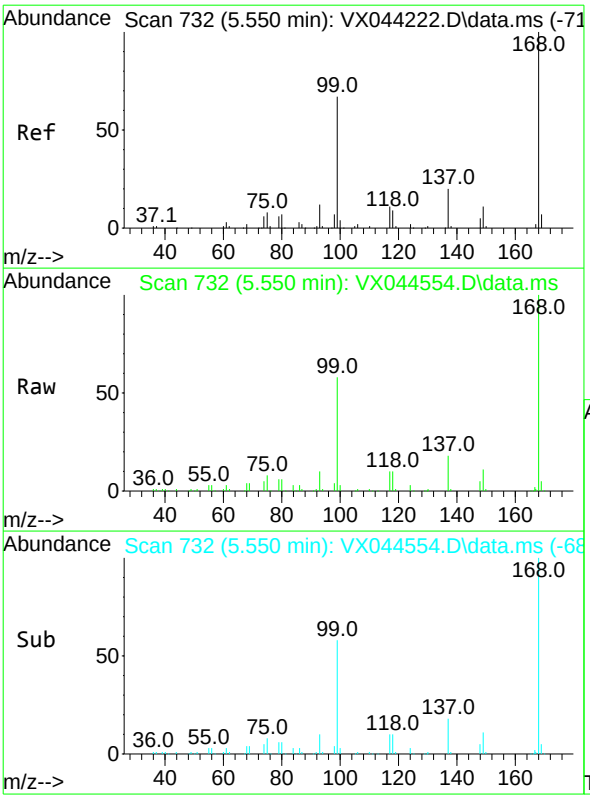
Sample Results: **VX044554.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044554.D
Acq On : 30 Dec 2024 19:14
Operator : JC/MD
Sample : P5376-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20241218

Quant Time: Dec 31 00:36:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



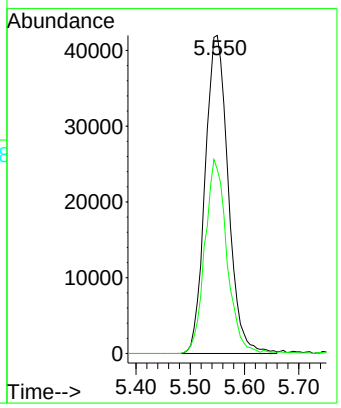


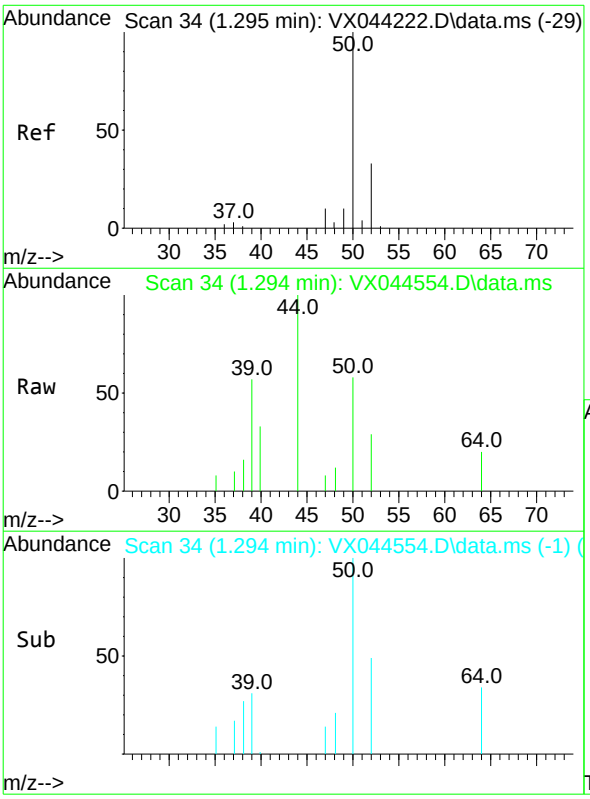
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044554.D
Acq: 30 Dec 2024 19:14

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20241218

Tgt Ion:168 Resp: 123900

Ion	Ratio	Lower	Upper
168	100		
99	57.9	53.4	80.0

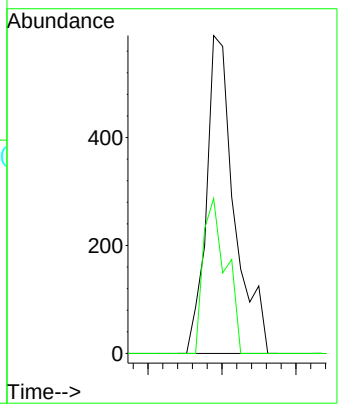


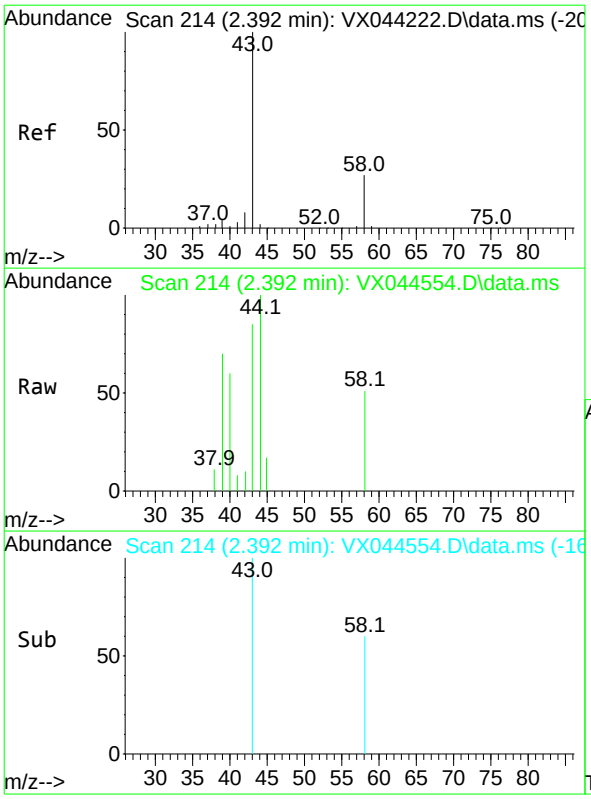


#3
Chloromethane
Concen: 0.421 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044554.D
Acq: 30 Dec 2024 19:14

Tgt Ion: 50 Resp: 772

Ion	Ratio	Lower	Upper
50	100		
52	48.7	26.5	39.7#



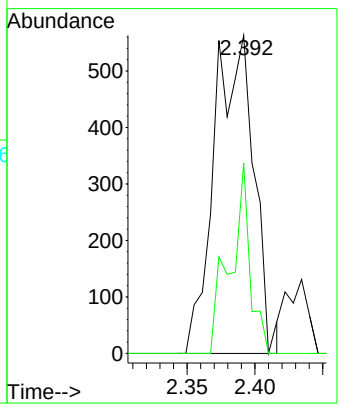


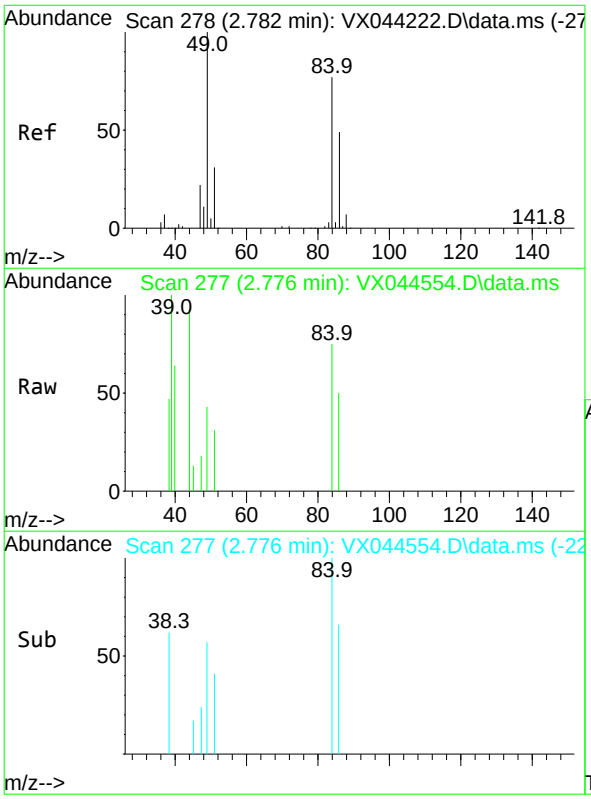
#16
Acetone
Concen: 1.291 ug/l
RT: 2.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX044554.D
Acq: 30 Dec 2024 19:14

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20241218

Tgt Ion: 43 Resp: 1143

Ion	Ratio	Lower	Upper
43	100		
58	59.9	21.6	32.4#

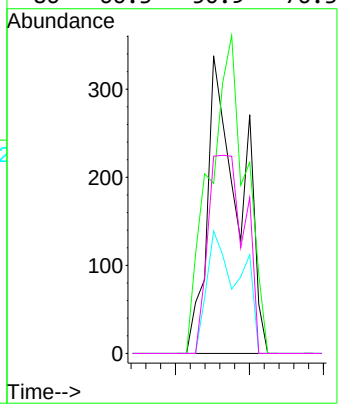


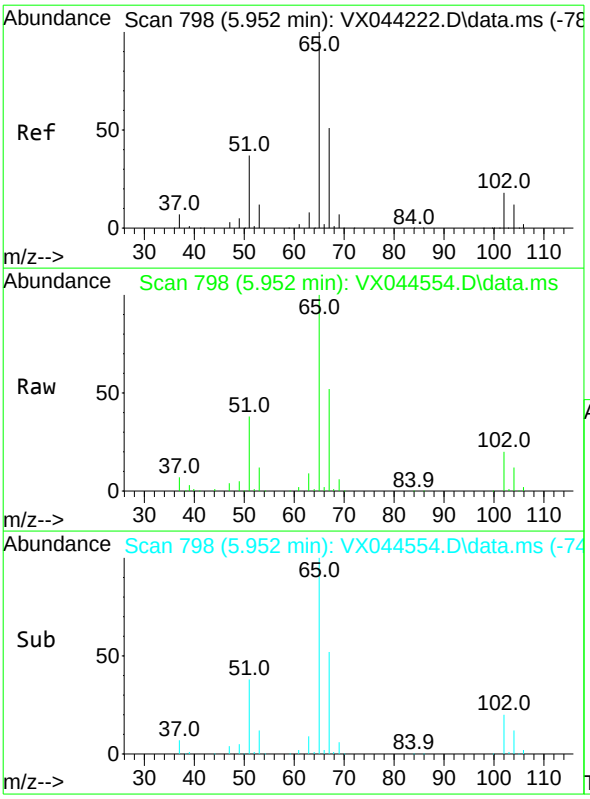


#20
Methylene Chloride
Concen: 0.306 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX044554.D
Acq: 30 Dec 2024 19:14

Tgt Ion: 84 Resp: 509

Ion	Ratio	Lower	Upper
84	100		
49	57.1	104.2	156.4#
51	41.1	32.2	48.4
86	66.3	50.9	76.3



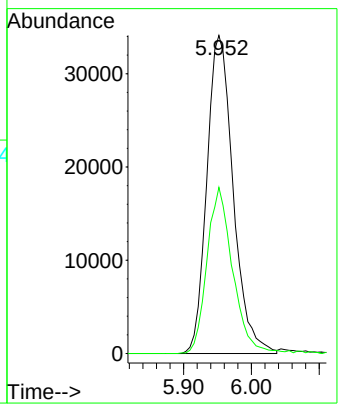


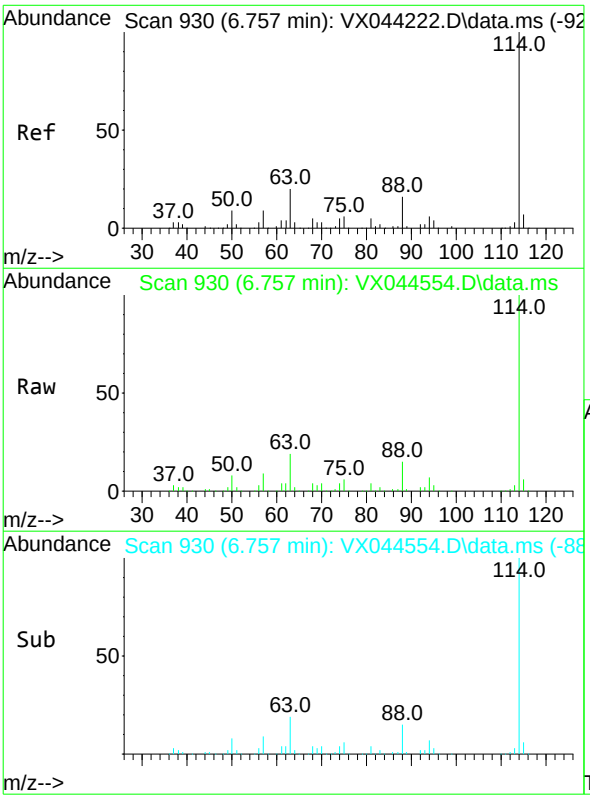
#33
1,2-Dichloroethane-d4
Concen: 42.316 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044554.D
Acq: 30 Dec 2024 19:14

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20241218

Tgt Ion: 65 Resp: 91926

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	101.6

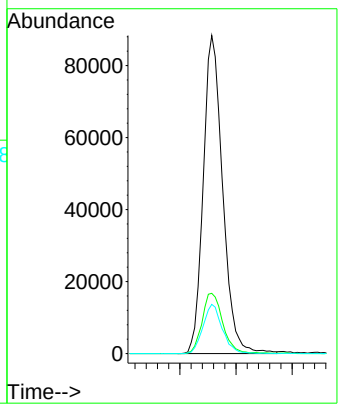


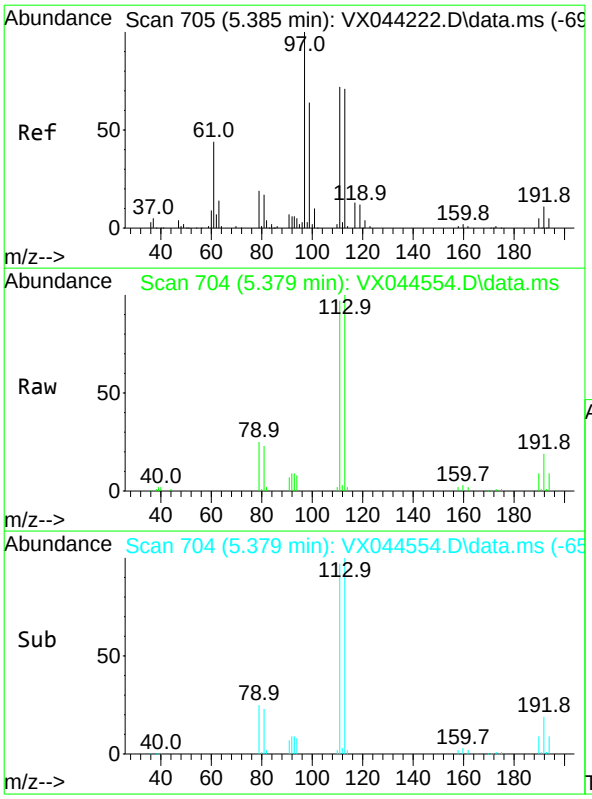


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044554.D
Acq: 30 Dec 2024 19:14

Tgt Ion:114 Resp: 212555

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	40.6
88	15.5	0.0	31.8



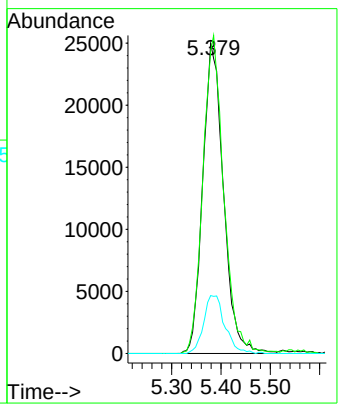


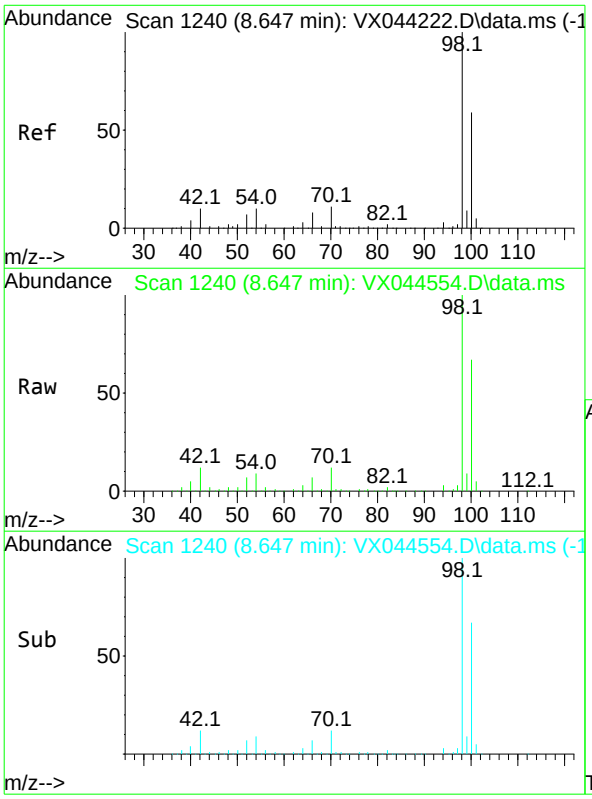
#35
Dibromofluoromethane
Concen: 49.583 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX044554.D
Acq: 30 Dec 2024 19:14

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20241218

Tgt Ion:113 Resp: 72993

Ion	Ratio	Lower	Upper
113	100		
111	103.3	80.4	120.6
192	19.0	13.3	19.9

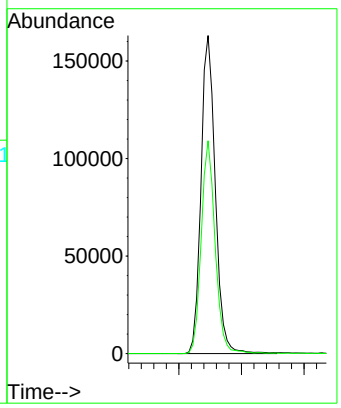


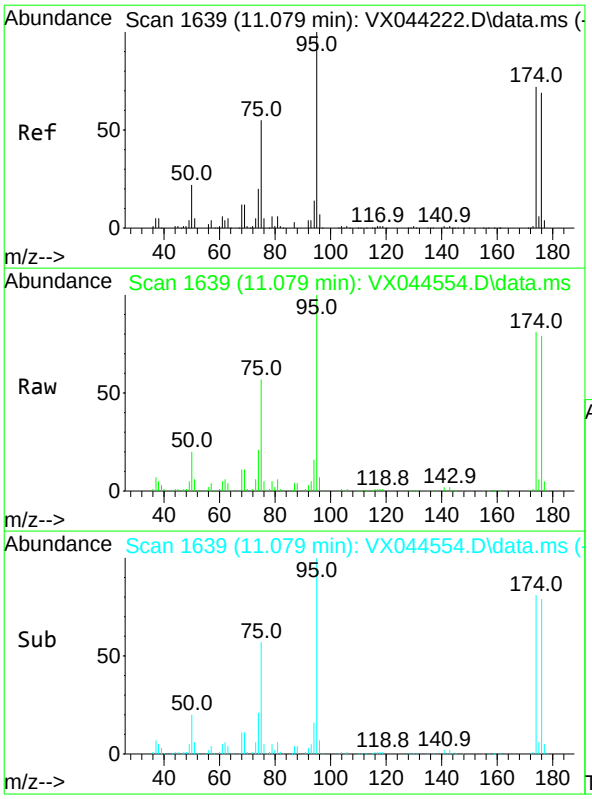


#50
Toluene-d8
Concen: 52.053 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044554.D
Acq: 30 Dec 2024 19:14

Tgt Ion: 98 Resp: 258525

Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.5	77.3



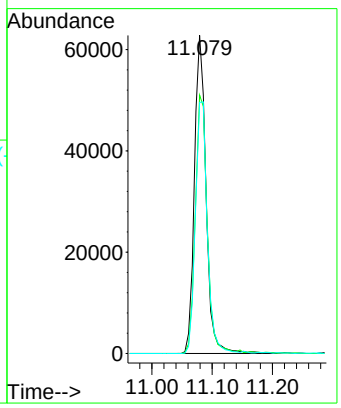


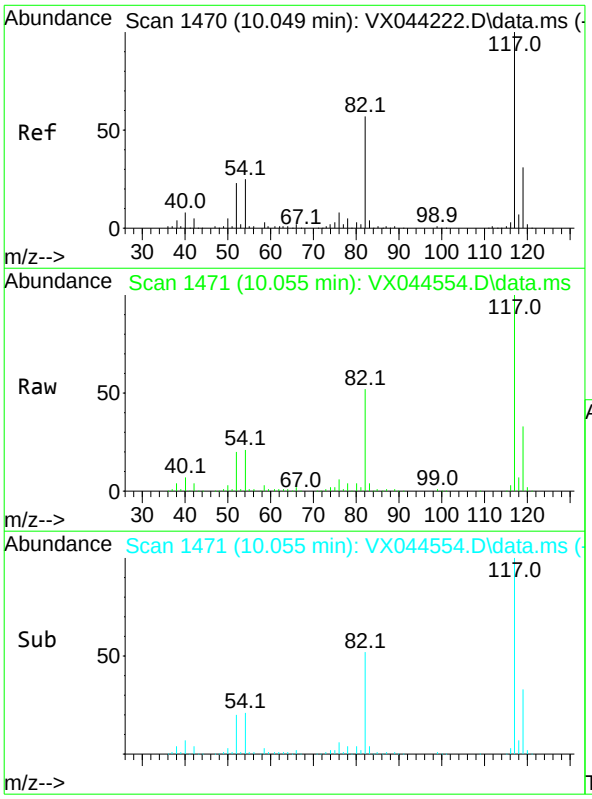
#62
4-Bromofluorobenzene
Concen: 48.406 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044554.D
Acq: 30 Dec 2024 19:14

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20241218

Tgt Ion: 95 Resp: 84006

Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	145.8
176	81.3	0.0	137.8

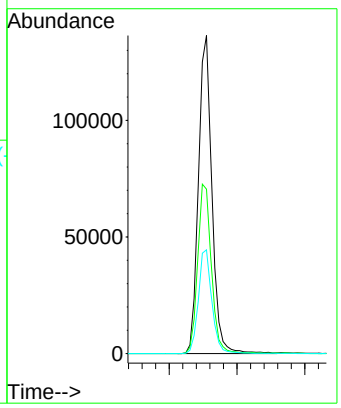


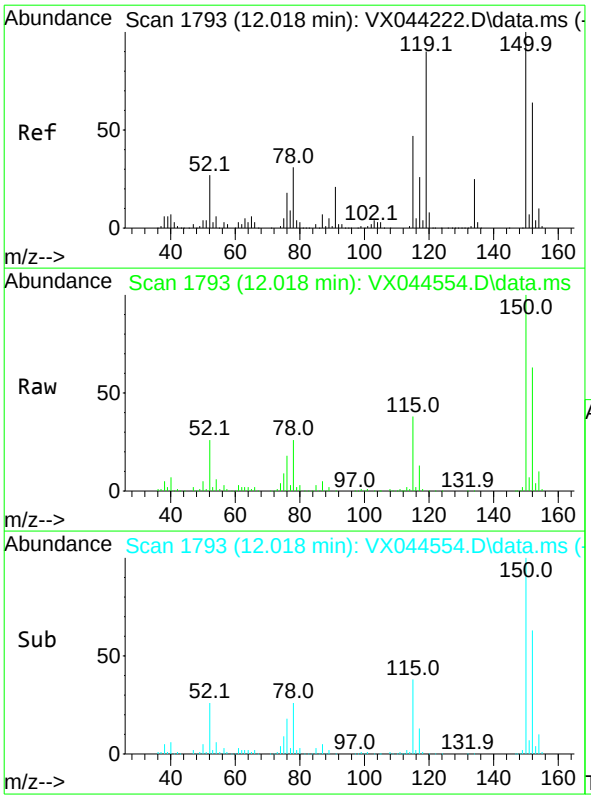


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044554.D
Acq: 30 Dec 2024 19:14

Tgt Ion:117 Resp: 188273

Ion	Ratio	Lower	Upper
117	100		
82	51.7	45.8	68.8
119	32.6	25.0	37.4



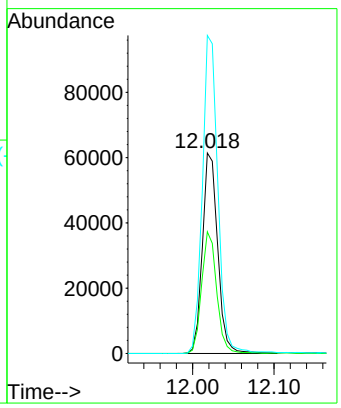


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044554.D
Acq: 30 Dec 2024 19:14

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01D-20241218

Tgt Ion:152 Resp: 80341

Ion	Ratio	Lower	Upper
152	100		
115	59.7	44.5	133.3
150	159.3	0.0	353.8



Raw Data: **VX044555.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW10A-MW01S-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-11	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044555.D	1		12/30/24 19:38	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.56	J	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.34	J	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX044555.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW10A-MW01S-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-11	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044555.D	1		12/30/24 19:38	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.5		81 - 118		85%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	53.6		89 - 112		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	123000	5.55				
540-36-3	1,4-Difluorobenzene	209000	6.757				
3114-55-4	Chlorobenzene-d5	184000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	75800	12.018				

Raw Data: **VX044555.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW10A-MW01S-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-11	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044555.D	1		12/30/24 19:38	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (LSC Reviewed)

Sample Results: **VX044555.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044555.D
Acq On : 30 Dec 2024 19:38
Operator : JC/MD
Sample : P5376-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01S-20241218

Quant Time: Dec 31 00:36:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	122970	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	208916	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	183505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	75781	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91534	42.454	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 84.900%			
35) Dibromofluoromethane	5.385	113	72294	49.964	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.920%			
50) Toluene-d8	8.647	98	261648	53.599	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.200%			
62) 4-Bromofluorobenzene	11.079	95	84375	49.466	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.940%			
Target Compounds						Qvalue
3) Chloromethane	1.300	50	1022	0.562	ug/l	97
16) Acetone	2.392	43	1176	1.338	ug/l #	81
20) Methylene Chloride	2.782	84	559	0.339	ug/l #	89
22) Diisopropyl ether	3.776	45	9268	1.793	ug/l #	80

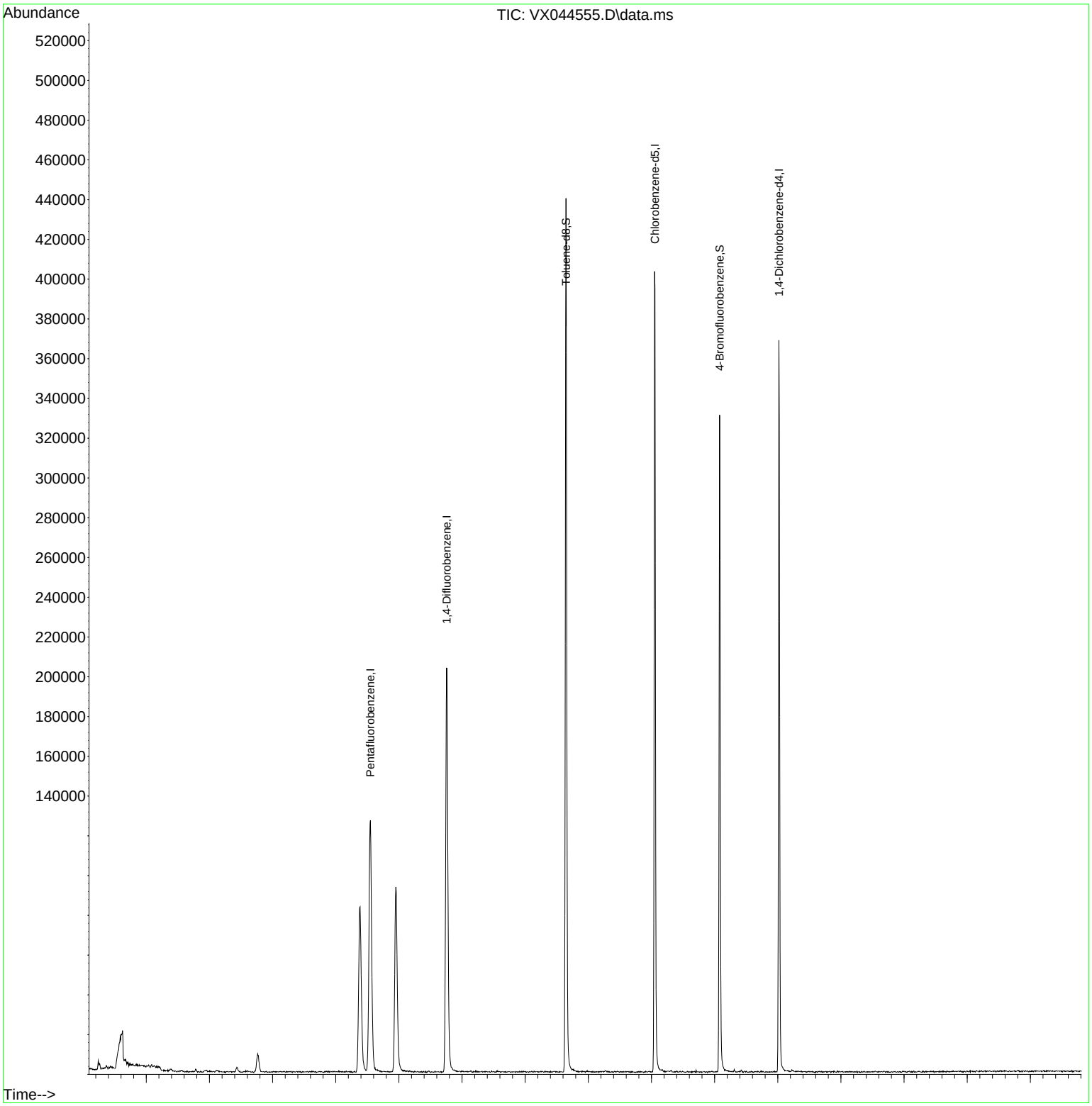
(#) = qualifier out of range (m) = manual integration (+) = signals summed

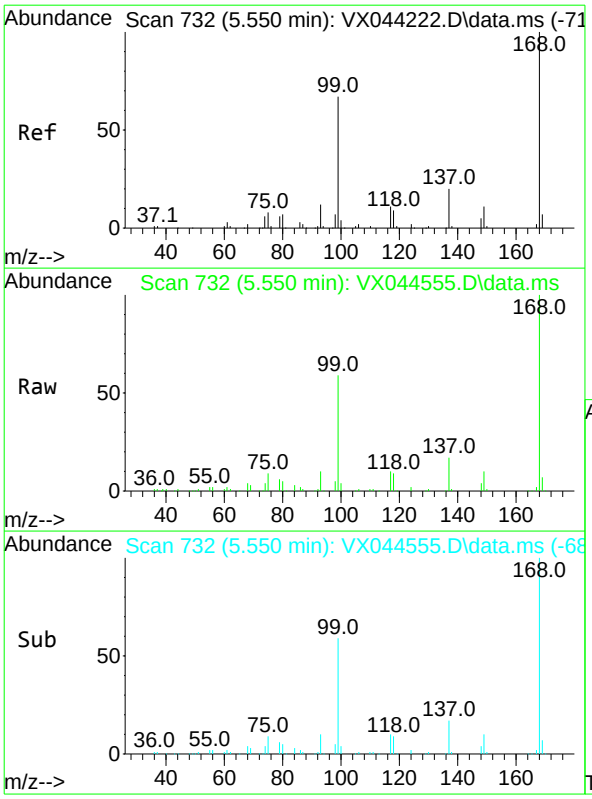
Sample Results: **VX044555.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044555.D
Acq On : 30 Dec 2024 19:38
Operator : JC/MD
Sample : P5376-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01S-20241218

Quant Time: Dec 31 00:36:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



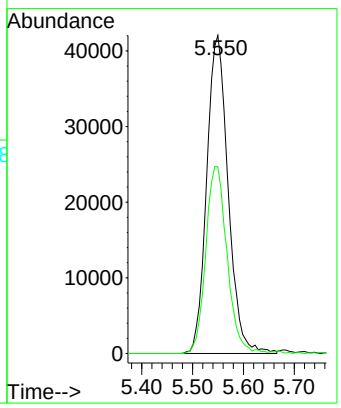


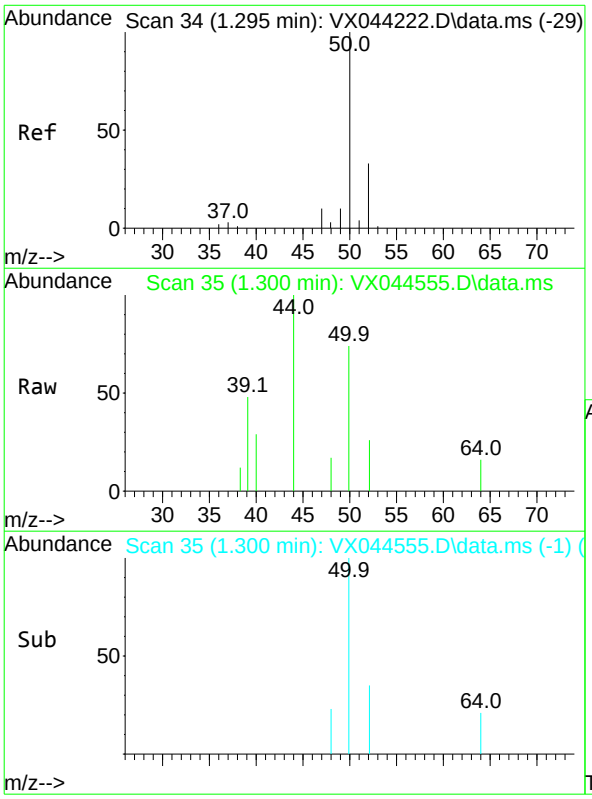
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044555.D
Acq: 30 Dec 2024 19:38

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01S-20241218

Tgt Ion:168 Resp: 122970

Ion	Ratio	Lower	Upper
168	100		
99	58.7	53.4	80.0

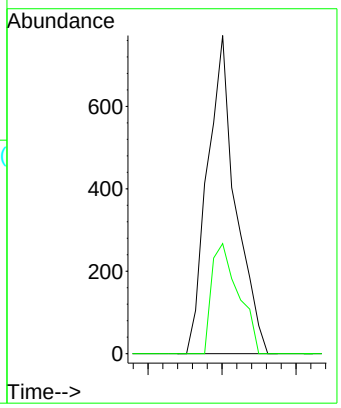


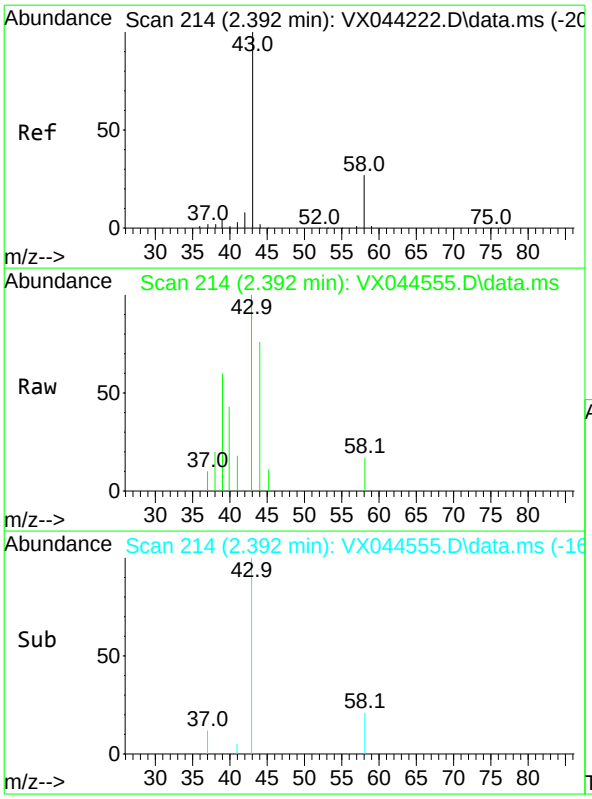


#3
Chloromethane
Concen: 0.562 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX044555.D
Acq: 30 Dec 2024 19:38

Tgt Ion: 50 Resp: 1022

Ion	Ratio	Lower	Upper
50	100		
52	34.6	26.5	39.7



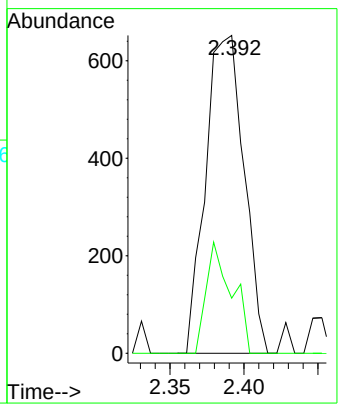


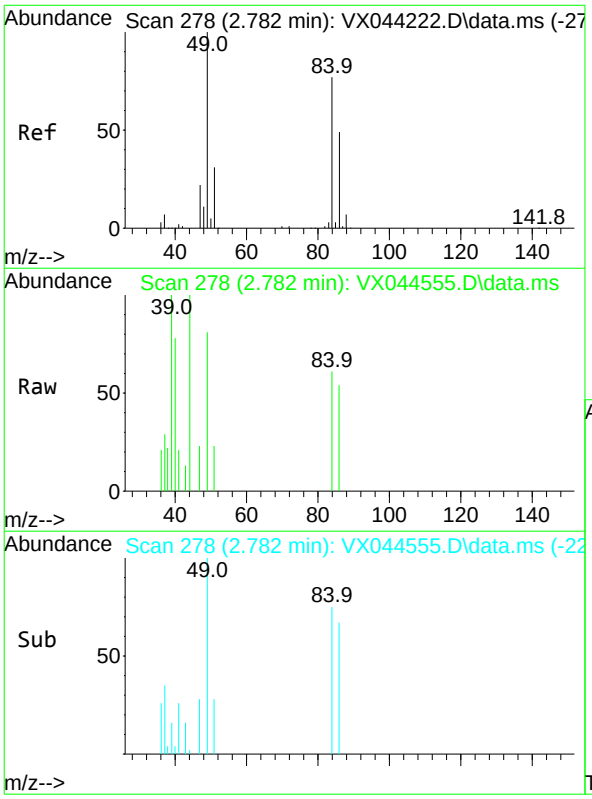
#16
Acetone
Concen: 1.338 ug/l
RT: 2.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX044555.D
Acq: 30 Dec 2024 19:38

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01S-20241218

Tgt Ion: 43 Resp: 1176

Ion	Ratio	Lower	Upper
43	100		
58	17.3	21.6	32.4#

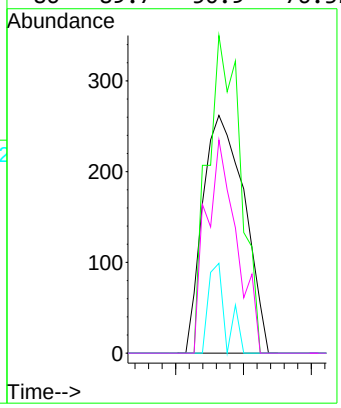


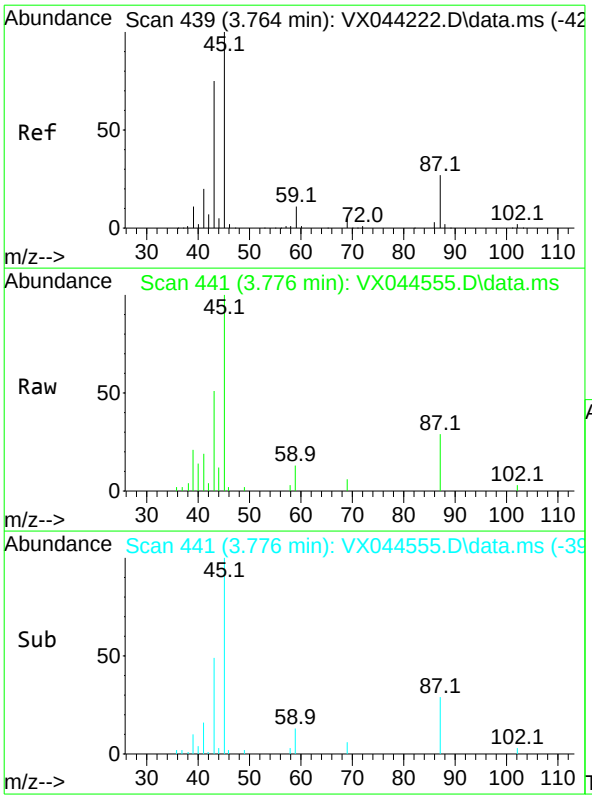


#20
Methylene Chloride
Concen: 0.339 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044555.D
Acq: 30 Dec 2024 19:38

Tgt Ion: 84 Resp: 559

Ion	Ratio	Lower	Upper
84	100		
49	133.6	104.2	156.4
51	37.8	32.2	48.4
86	89.7	50.9	76.3#



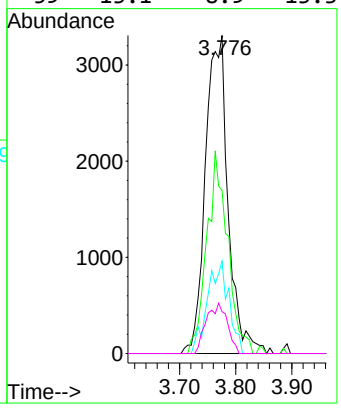


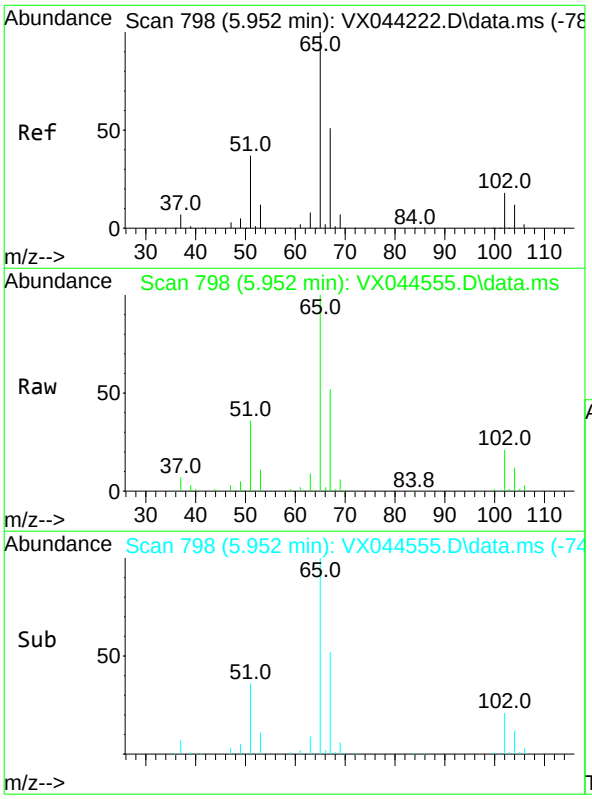
#22
Diisopropyl ether
Concen: 1.793 ug/l
RT: 3.776 min Scan# 44
Delta R.T. 0.012 min
Lab File: VX044555.D
Acq: 30 Dec 2024 19:38

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01S-20241218

Tgt Ion: 45 Resp: 9268

Ion	Ratio	Lower	Upper
45	100		
43	51.4	60.2	90.2#
87	29.0	21.2	31.8
59	13.1	8.9	13.3

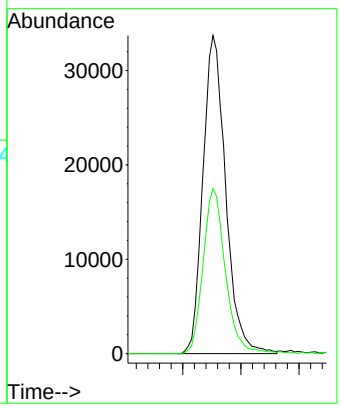


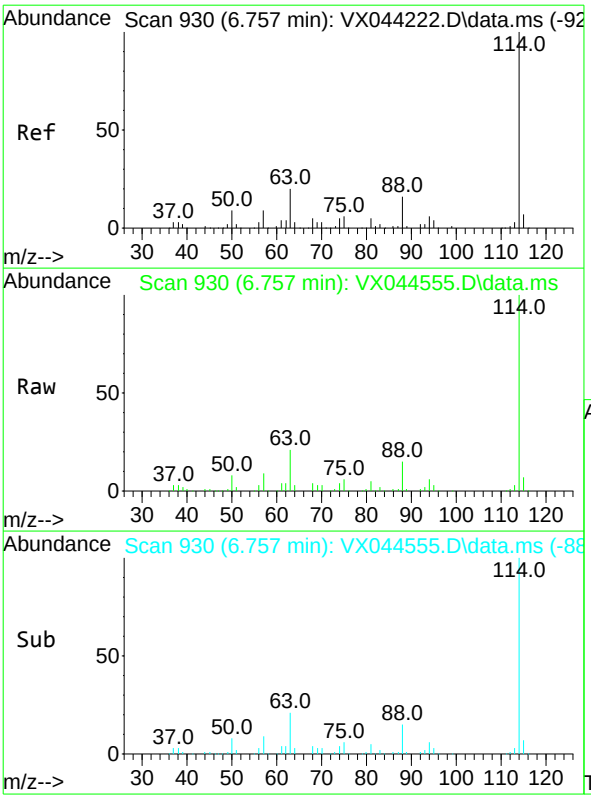


#33
1,2-Dichloroethane-d4
Concen: 42.454 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044555.D
Acq: 30 Dec 2024 19:38

Tgt Ion: 65 Resp: 91534

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	101.6



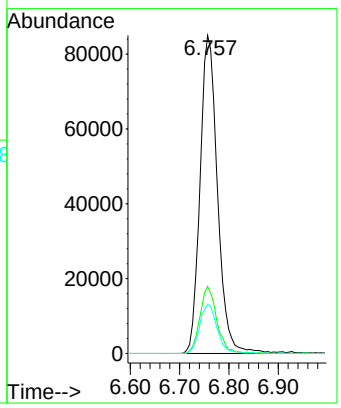


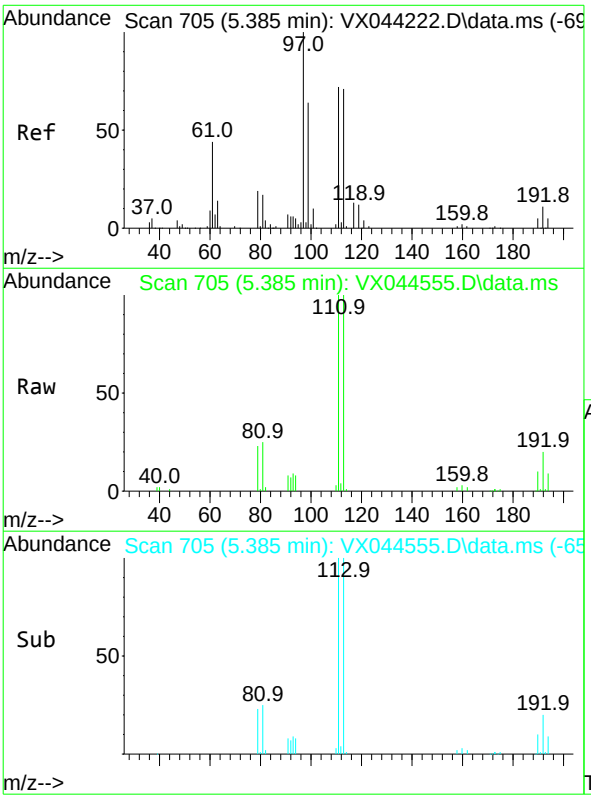
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044555.D
Acq: 30 Dec 2024 19:38

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01S-20241218

Tgt Ion:114 Resp: 208916

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.6
88	15.5	0.0	31.8

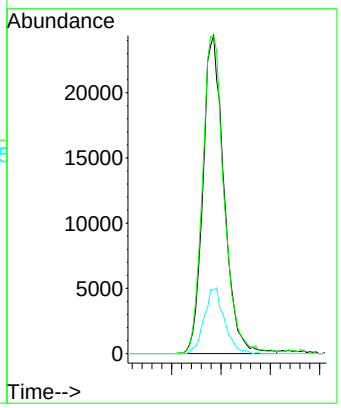


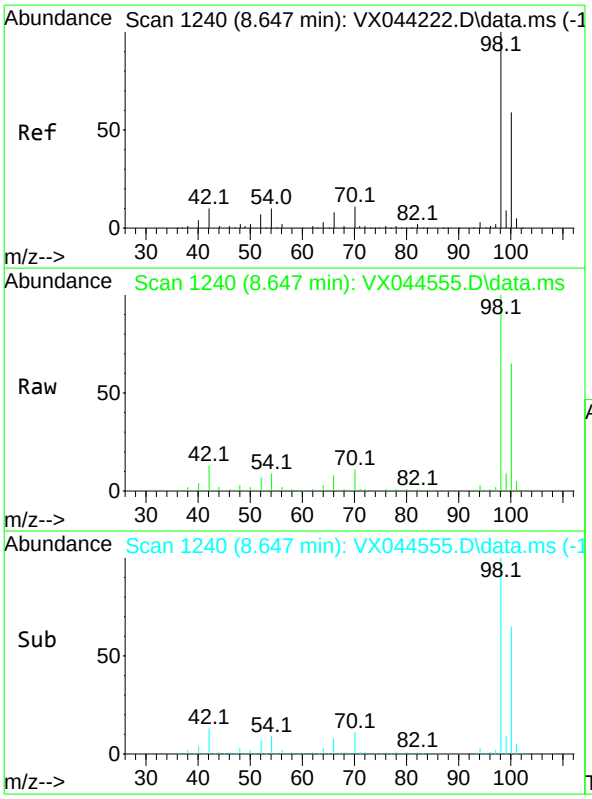


#35
Dibromofluoromethane
Concen: 49.964 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044555.D
Acq: 30 Dec 2024 19:38

Tgt Ion:113 Resp: 72294

Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.4	120.6
192	19.8	13.3	19.9



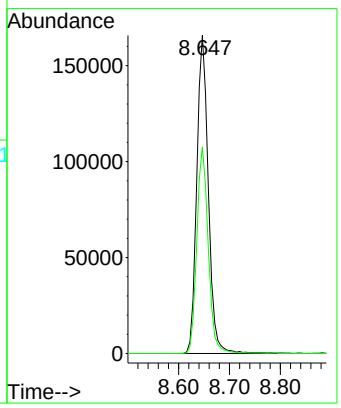


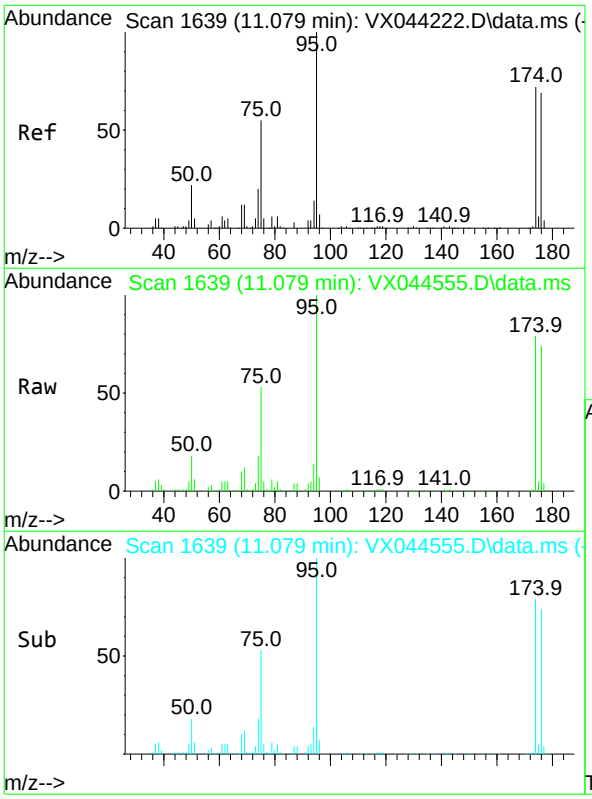
#50
Toluene-d8
Concen: 53.599 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044555.D
Acq: 30 Dec 2024 19:38

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01S-20241218

Tgt Ion: 98 Resp: 261648

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3

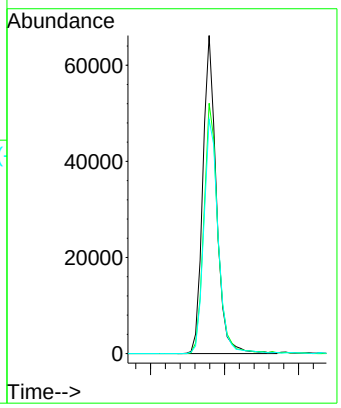


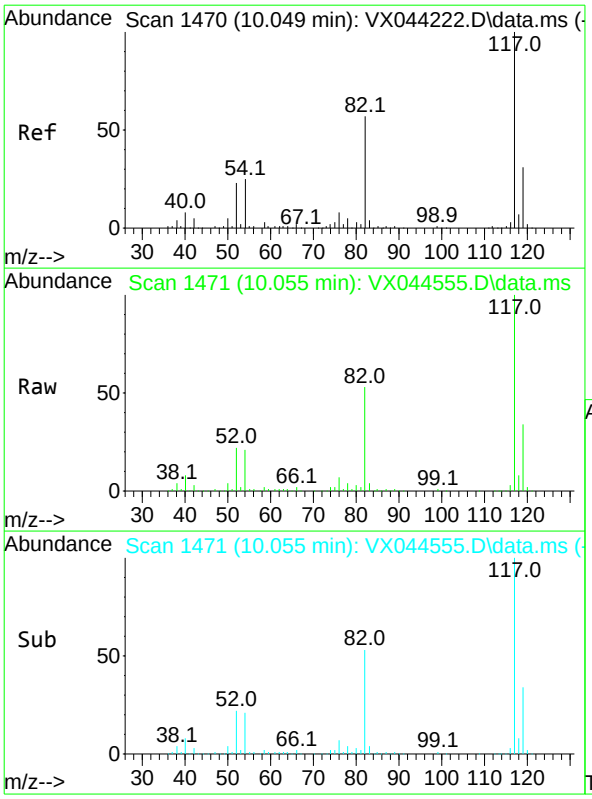


#62
4-Bromofluorobenzene
Concen: 49.466 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044555.D
Acq: 30 Dec 2024 19:38

Tgt Ion: 95 Resp: 84375

Ion	Ratio	Lower	Upper
95	100		
174	81.3	0.0	145.8
176	77.9	0.0	137.8



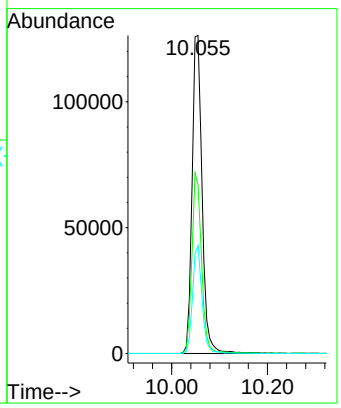


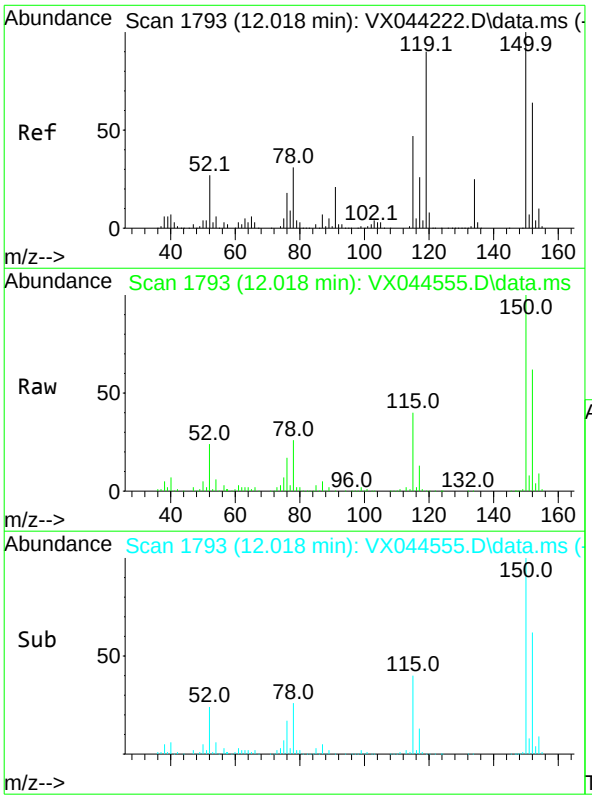
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044555.D
Acq: 30 Dec 2024 19:38

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01S-20241218

Tgt Ion:117 Resp: 183505

Ion	Ratio	Lower	Upper
117	100		
82	53.0	45.8	68.8
119	34.0	25.0	37.4

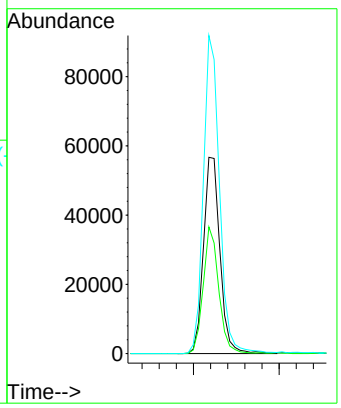




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044555.D
Acq: 30 Dec 2024 19:38

Tgt Ion:152 Resp: 75781

Ion	Ratio	Lower	Upper
152	100		
115	60.8	44.5	133.3
150	158.0	0.0	353.8



Raw Data: **VX044556.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW10A-MW01I-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-12	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044556.D	1		12/30/24 20:01	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX044556.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW10A-MW01I-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-12	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044556.D	1		12/30/24 20:01	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.2		81 - 118		86%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	53.0		89 - 112		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	119000	5.544				
540-36-3	1,4-Difluorobenzene	208000	6.757				
3114-55-4	Chlorobenzene-d5	181000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	73700	12.024				

Raw Data: **VX044556.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW10A-MW01I-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-12	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044556.D	1		12/30/24 20:01	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (LSC Reviewed)

Sample Results: **VX044556.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044556.D
Acq On : 30 Dec 2024 20:01
Operator : JC/MD
Sample : P5376-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01I-20241218

Quant Time: Dec 31 00:37:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	119008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	207504	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	180793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73748	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	90233	43.244	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 86.480%			
35) Dibromofluoromethane	5.385	113	71205	49.546	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.100%			
50) Toluene-d8	8.647	98	256899	52.985	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.960%			
62) 4-Bromofluorobenzene	11.079	95	80604	47.576	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.160%			
Target Compounds						Qvalue
16) Acetone	2.392	43	1045	1.228	ug/l	95

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

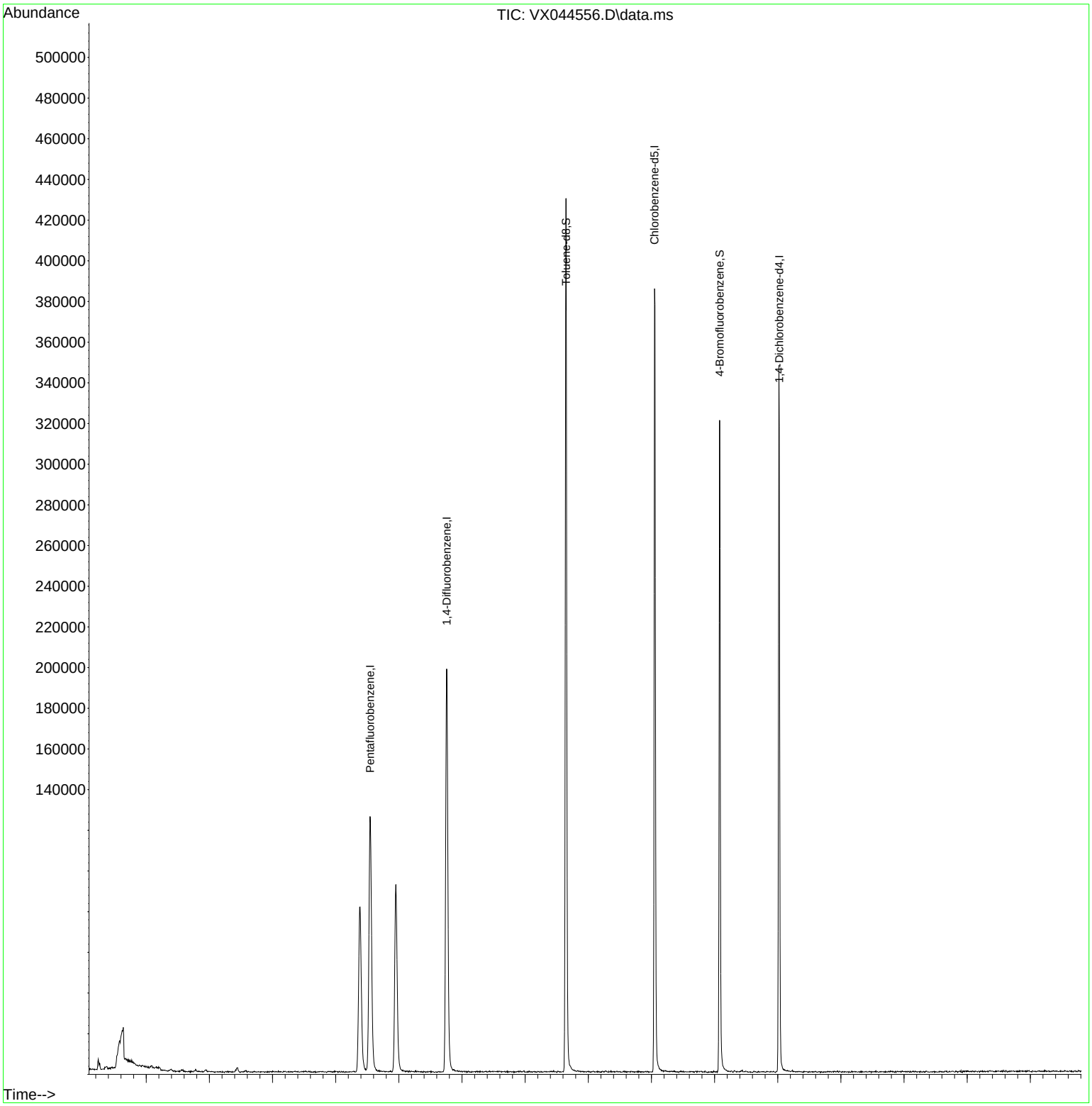
Quantitation Report (LSC Reviewed)

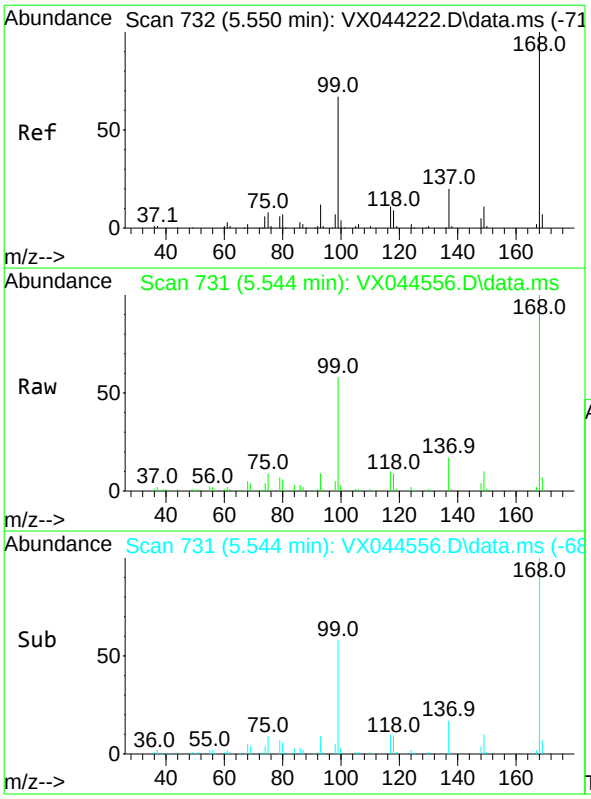
Sample Results: **VX044556.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044556.D
Acq On : 30 Dec 2024 20:01
Operator : JC/MD
Sample : P5376-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01I-20241218

Quant Time: Dec 31 00:37:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



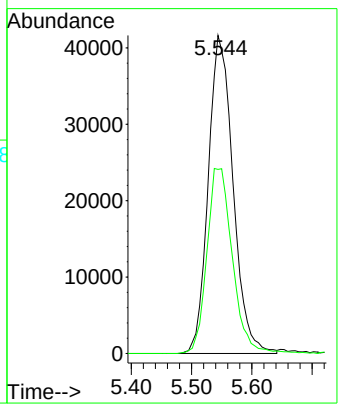


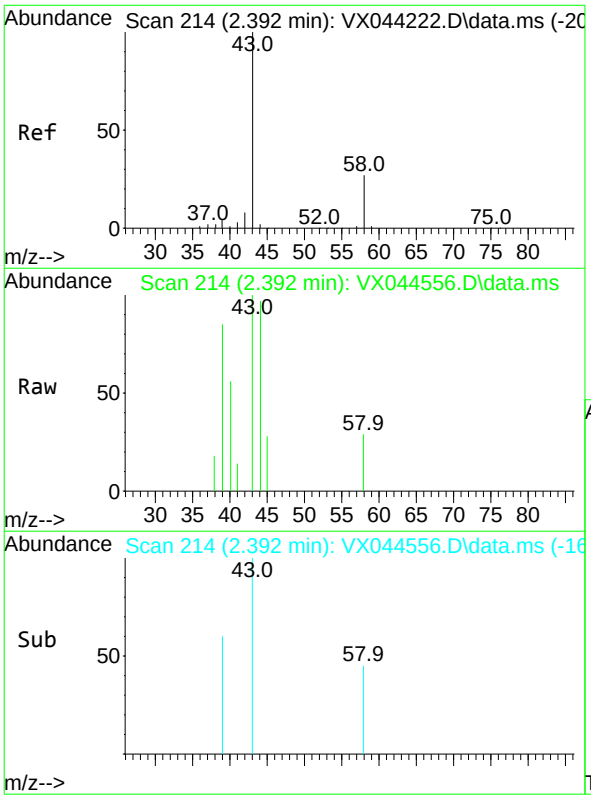
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044556.D
Acq: 30 Dec 2024 20:01

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01I-20241218

Tgt Ion:168 Resp: 119008

Ion	Ratio	Lower	Upper
168	100		
99	57.9	53.4	80.0

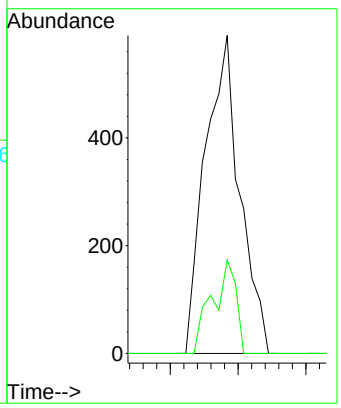


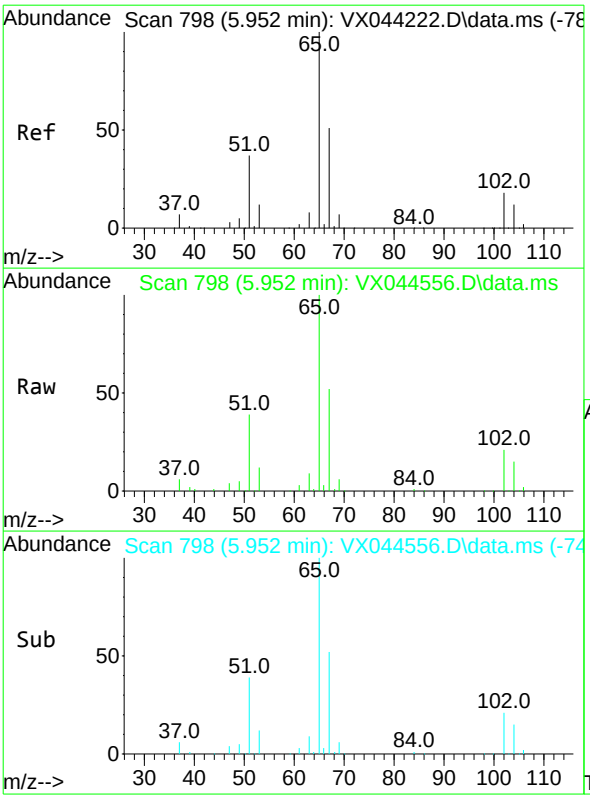


#16
Acetone
Concen: 1.228 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX044556.D
Acq: 30 Dec 2024 20:01

Tgt Ion: 43 Resp: 1045

Ion	Ratio	Lower	Upper
43	100		
58	29.5	21.6	32.4



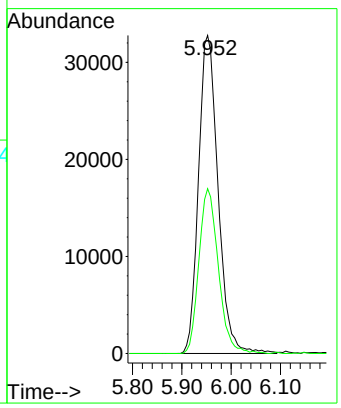


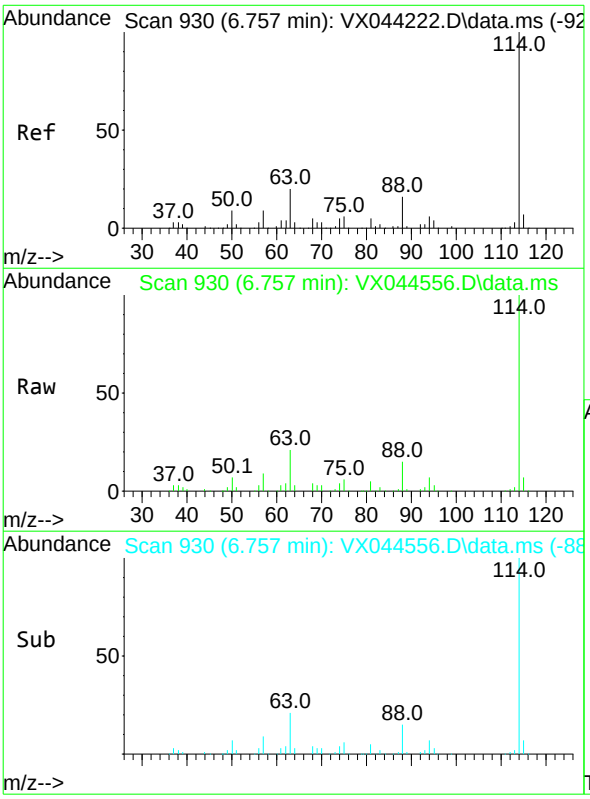
#33
1,2-Dichloroethane-d4
Concen: 43.244 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.000 min
Lab File: VX044556.D
Acq: 30 Dec 2024 20:01

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01I-20241218

Tgt Ion: 65 Resp: 90233

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	101.6

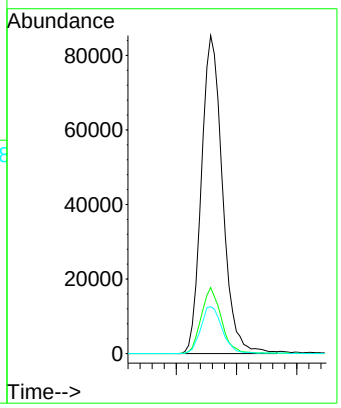


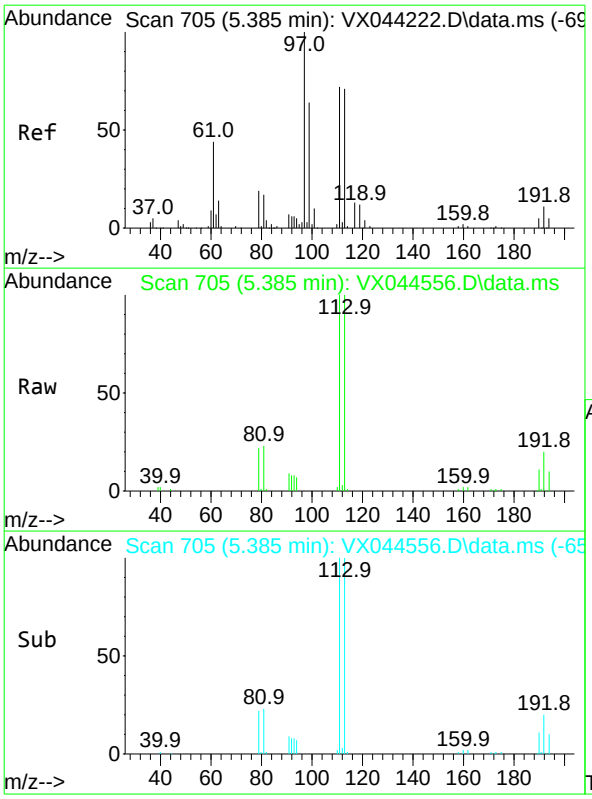


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044556.D
Acq: 30 Dec 2024 20:01

Tgt Ion:114 Resp: 207504

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.6
88	14.7	0.0	31.8



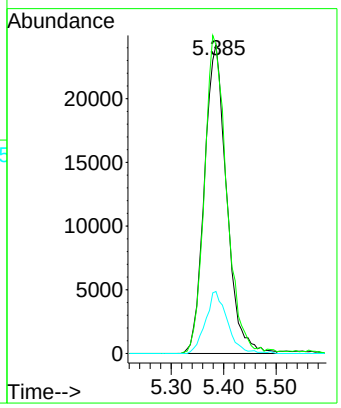


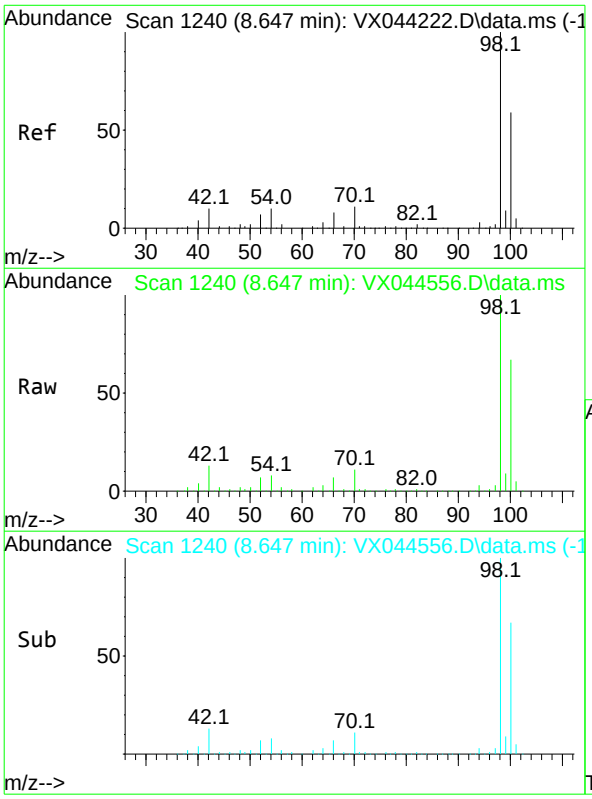
#35
Dibromofluoromethane
Concen: 49.546 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.000 min
Lab File: VX044556.D
Acq: 30 Dec 2024 20:01

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01I-20241218

Tgt Ion:113 Resp: 71205

Ion	Ratio	Lower	Upper
113	100		
111	102.3	80.4	120.6
192	19.7	13.3	19.9

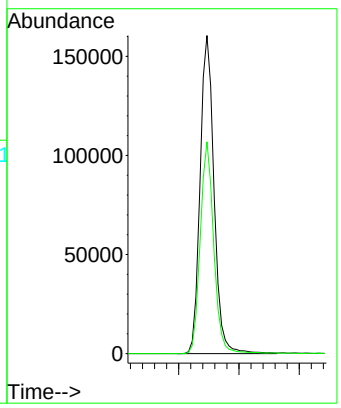


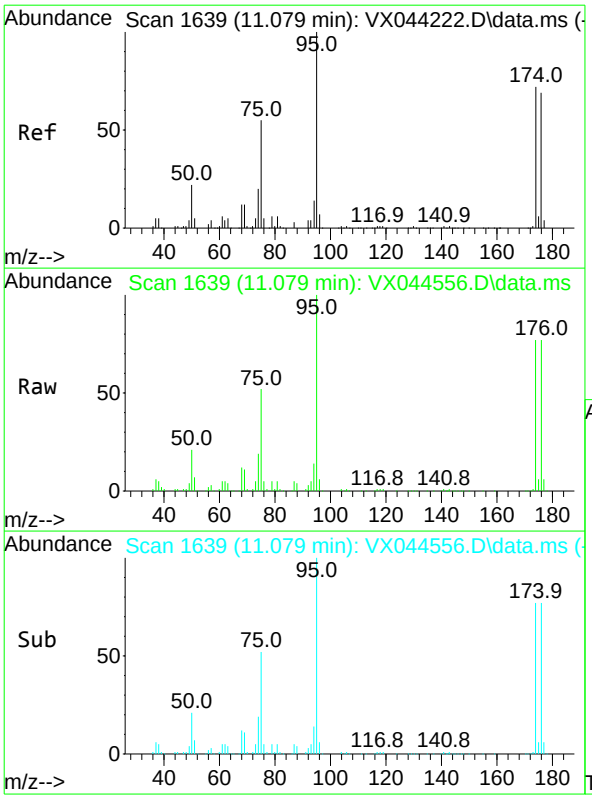


#50
Toluene-d8
Concen: 52.985 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044556.D
Acq: 30 Dec 2024 20:01

Tgt Ion: 98 Resp: 256899

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3



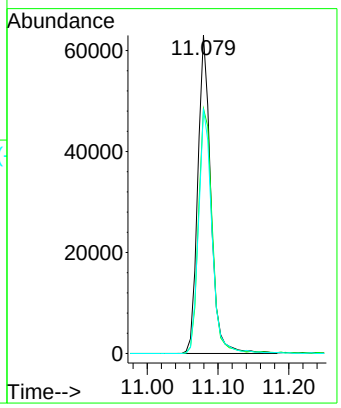


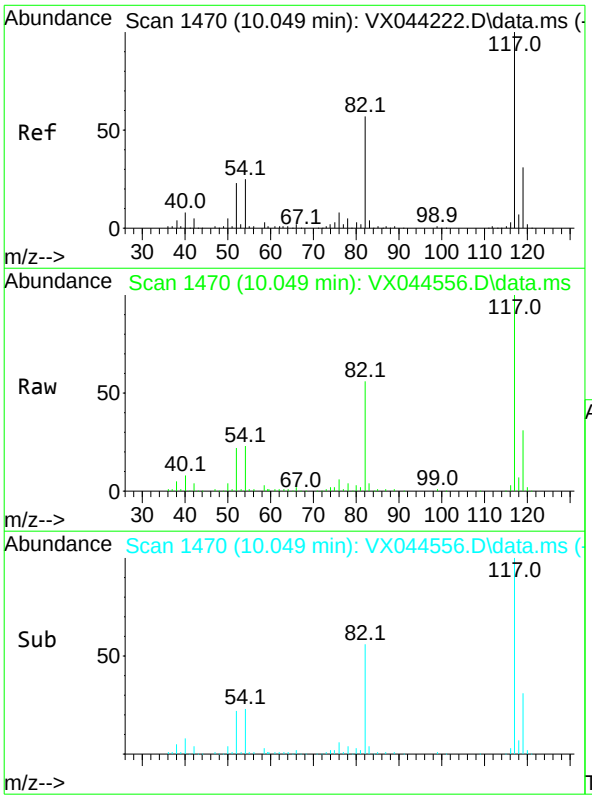
#62
4-Bromofluorobenzene
Concen: 47.576 ug/l
RT: 11.079 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044556.D
Acq: 30 Dec 2024 20:01

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01I-20241218

Tgt Ion: 95 Resp: 80604

Ion	Ratio	Lower	Upper
95	100		
174	81.8	0.0	145.8
176	79.3	0.0	137.8

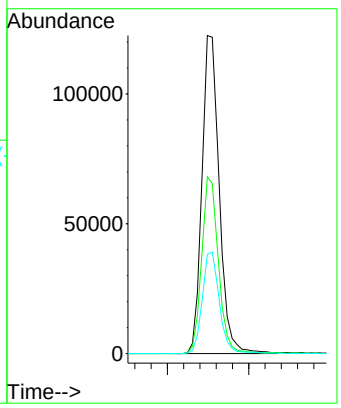


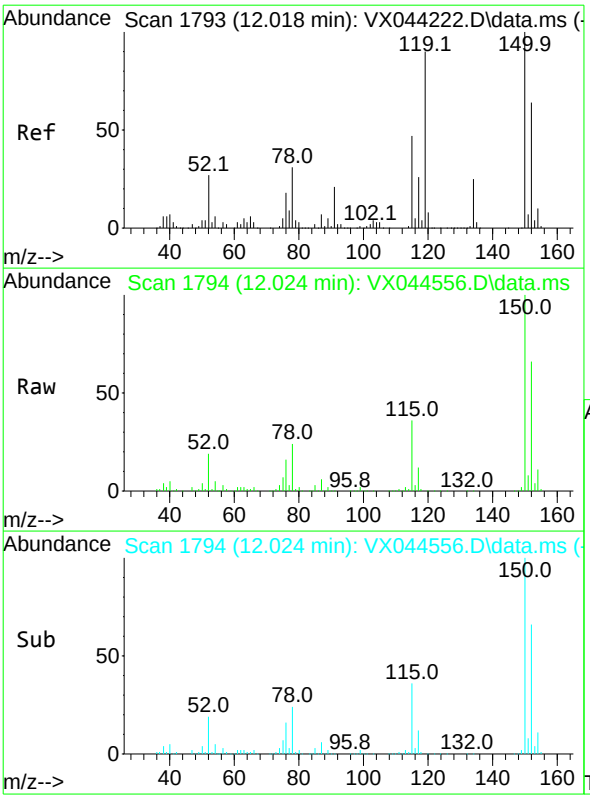


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044556.D
Acq: 30 Dec 2024 20:01

Tgt Ion:117 Resp: 180793

Ion	Ratio	Lower	Upper
117	100		
82	55.6	45.8	68.8
119	31.2	25.0	37.4



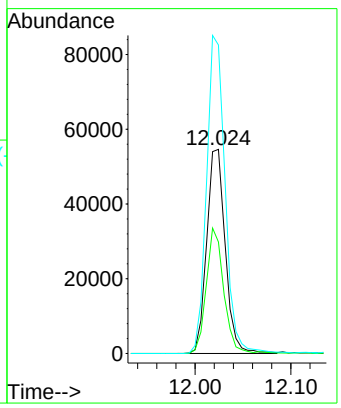


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. 0.006 min
Lab File: VX044556.D
Acq: 30 Dec 2024 20:01

Instrument :
MSVOA_X
ClientSampleId :
RW10A-MW01I-20241218

Tgt Ion:152 Resp: 73748

Ion	Ratio	Lower	Upper
152	100		
115	57.9	44.5	133.3
150	155.4	0.0	353.8



Raw Data: **VX044557.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RE117D2-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-13	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044557.D	1		12/30/24 20:24	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX044557.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RE117D2-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-13	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044557.D	1		12/30/24 20:24	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.2		81 - 118		90%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	53.0		89 - 112		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	114000	5.544				
540-36-3	1,4-Difluorobenzene	201000	6.763				
3114-55-4	Chlorobenzene-d5	178000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	70400	12.018				

Raw Data: **VX044557.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RE117D2-20241218	SDG No.:	P5376
Lab Sample ID:	P5376-13	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044557.D	1		12/30/24 20:24	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (LSC Reviewed)

Sample Results: **VX044557.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044557.D
Acq On : 30 Dec 2024 20:24
Operator : JC/MD
Sample : P5376-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20241218

Quant Time: Dec 31 00:37:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	114236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	200838	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	178297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70367	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	90558	45.213	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.420%			
35) Dibromofluoromethane	5.385	113	70356	50.580	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.160%			
50) Toluene-d8	8.647	98	248872	53.033	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.060%			
62) 4-Bromofluorobenzene	11.079	95	77596	47.321	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.640%			
Target Compounds						Qvalue
16) Acetone	2.386	43	989	1.211	ug/l #	52

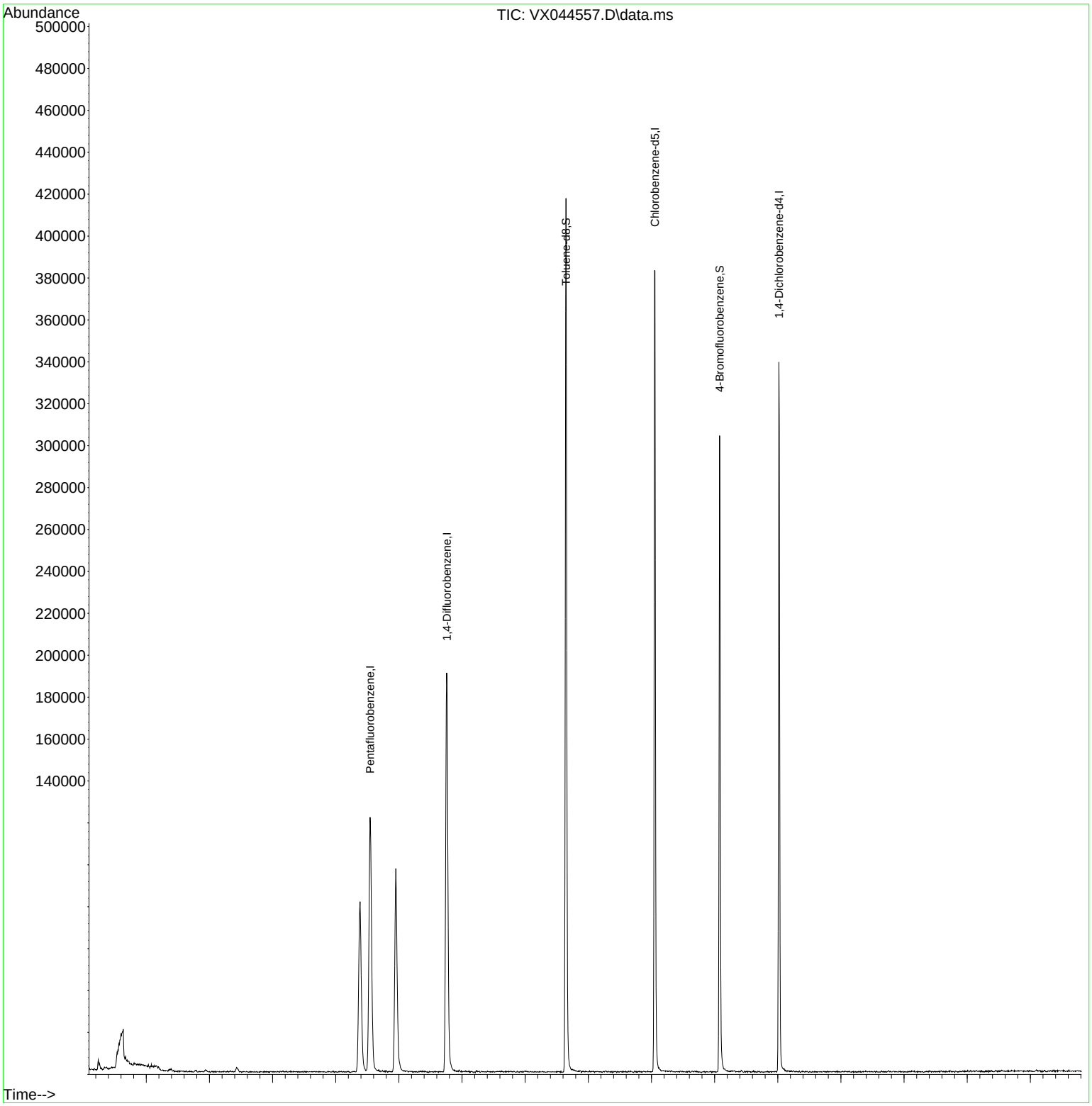
(#) = qualifier out of range (m) = manual integration (+) = signals summed

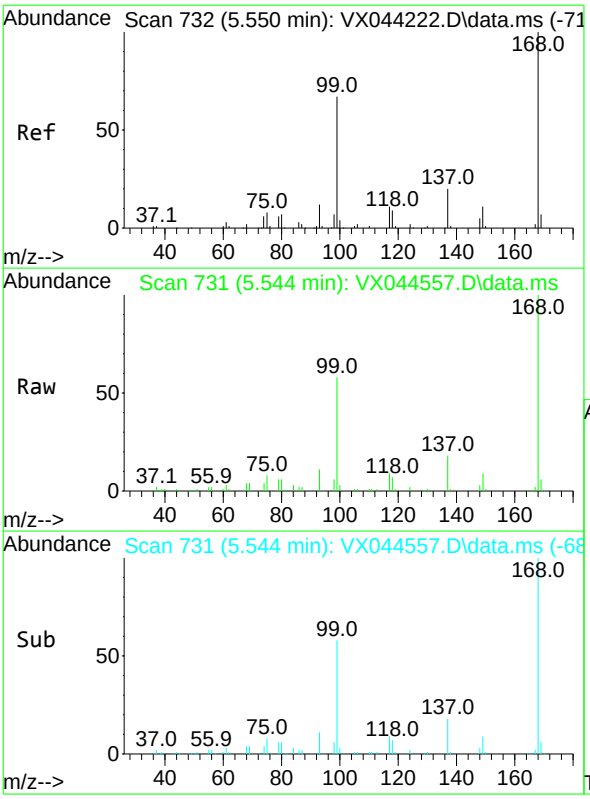
Sample Results: **VX044557.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044557.D
Acq On : 30 Dec 2024 20:24
Operator : JC/MD
Sample : P5376-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20241218

Quant Time: Dec 31 00:37:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



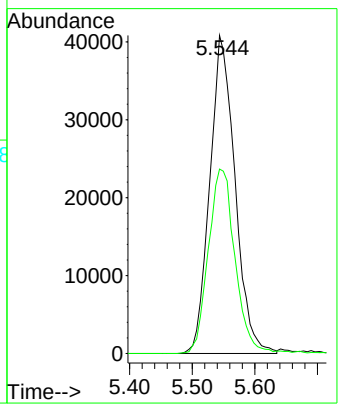


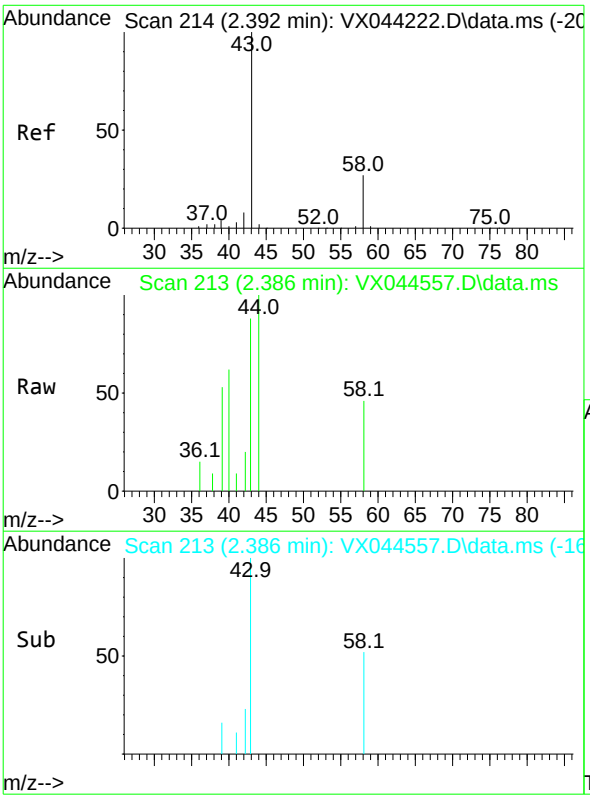
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044557.D
Acq: 30 Dec 2024 20:24

Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20241218

Tgt Ion:168 Resp: 114236

Ion	Ratio	Lower	Upper
168	100		
99	58.0	53.4	80.0

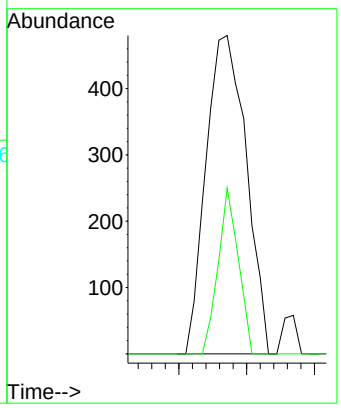


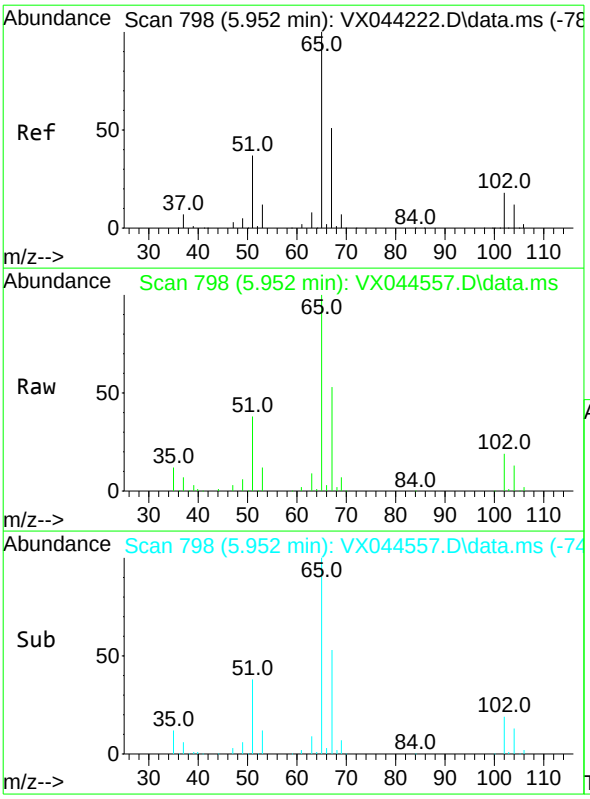


#16
Acetone
Concen: 1.211 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044557.D
Acq: 30 Dec 2024 20:24

Tgt Ion: 43 Resp: 989

Ion	Ratio	Lower	Upper
43	100		
58	52.1	21.6	32.4#



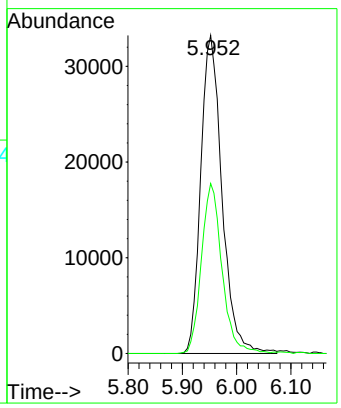


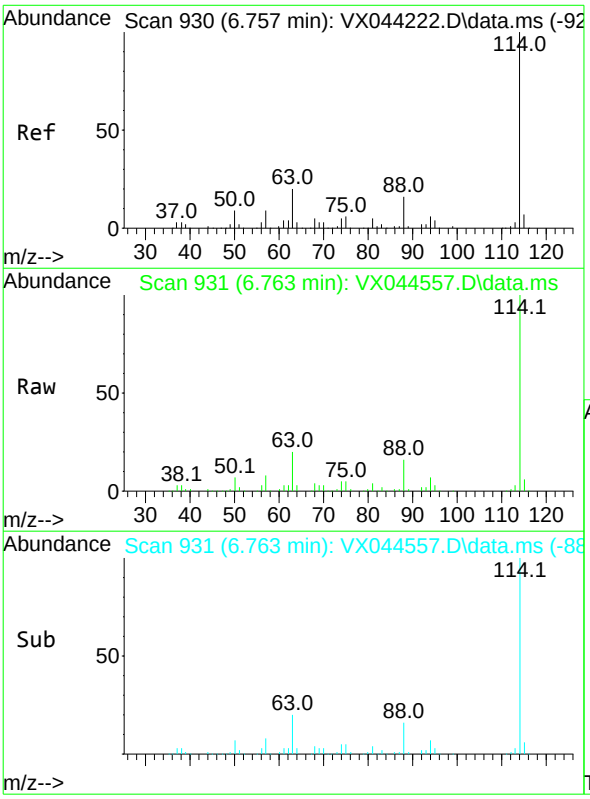
#33
1,2-Dichloroethane-d4
Concen: 45.213 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044557.D
Acq: 30 Dec 2024 20:24

Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20241218

Tgt Ion: 65 Resp: 90558

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	101.6

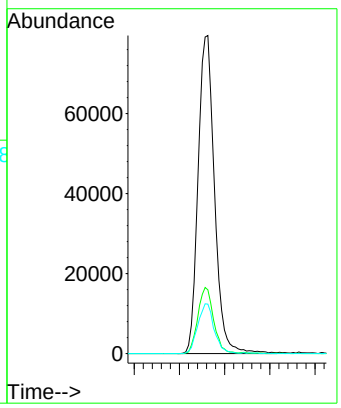


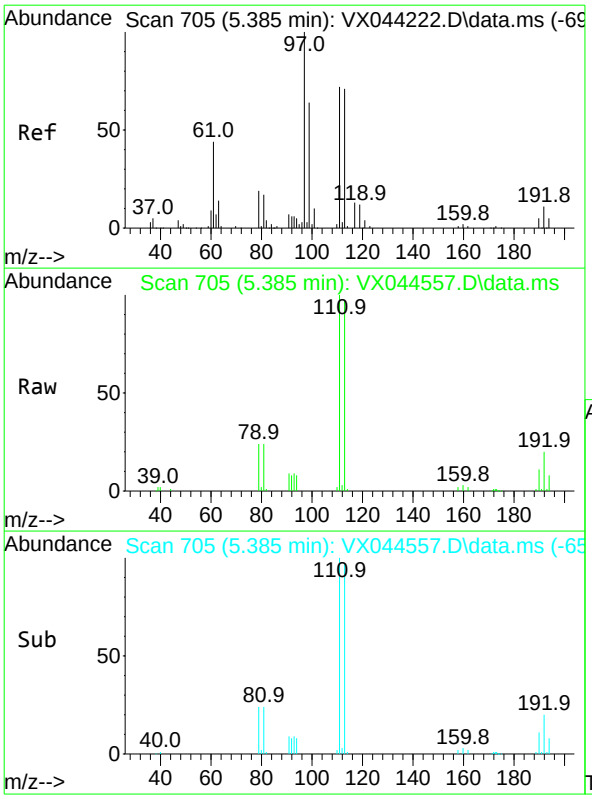


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX044557.D
Acq: 30 Dec 2024 20:24

Tgt Ion:114 Resp: 200838

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.6
88	15.6	0.0	31.8



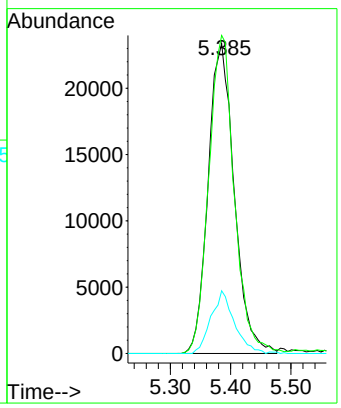


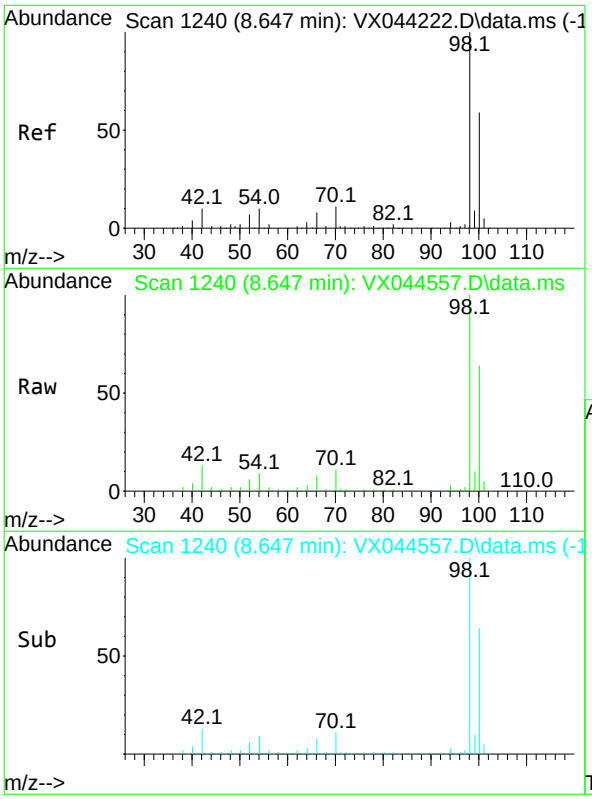
#35
Dibromofluoromethane
Concen: 50.580 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044557.D
Acq: 30 Dec 2024 20:24

Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20241218

Tgt Ion:113 Resp: 70356

Ion	Ratio	Lower	Upper
113	100		
111	100.5	80.4	120.6
192	18.1	13.3	19.9

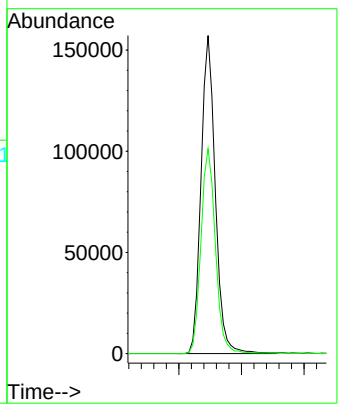


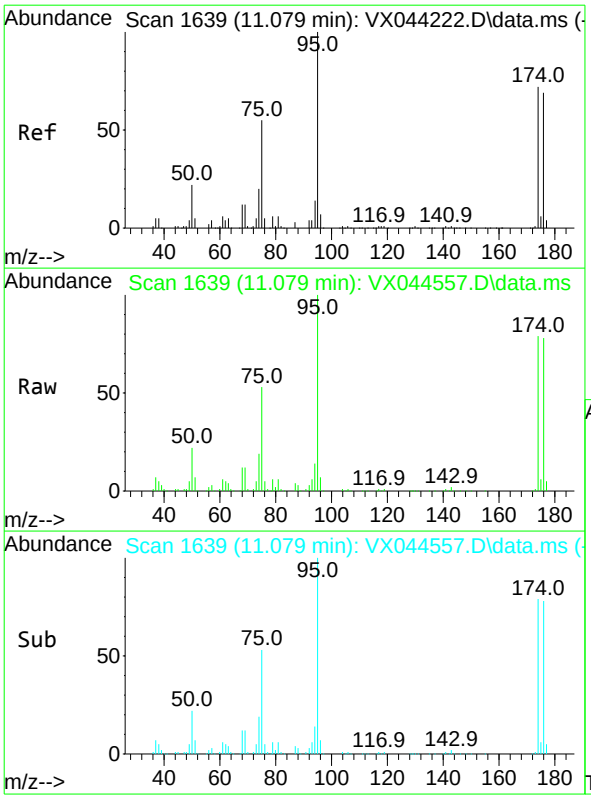


#50
Toluene-d8
Concen: 53.033 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044557.D
Acq: 30 Dec 2024 20:24

Tgt Ion: 98 Resp: 248872

Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.5	77.3



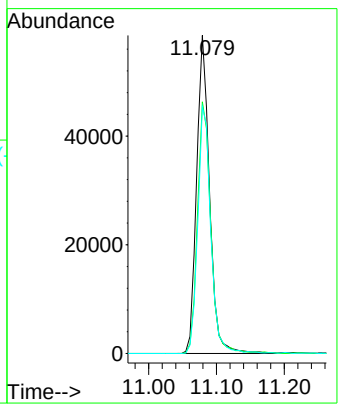


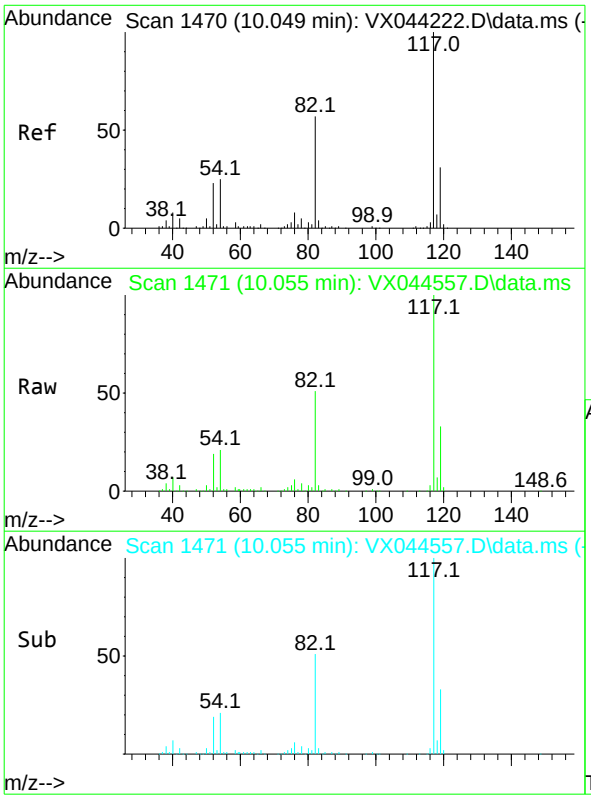
#62
4-Bromofluorobenzene
Concen: 47.321 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044557.D
Acq: 30 Dec 2024 20:24

Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20241218

Tgt Ion: 95 Resp: 77596

Ion	Ratio	Lower	Upper
95	100		
174	80.7	0.0	145.8
176	78.2	0.0	137.8

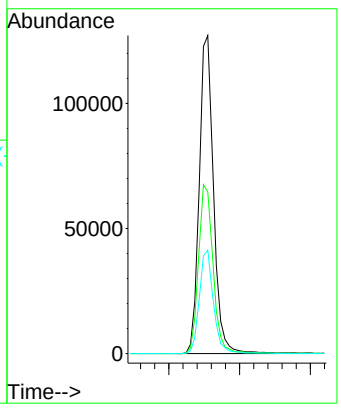


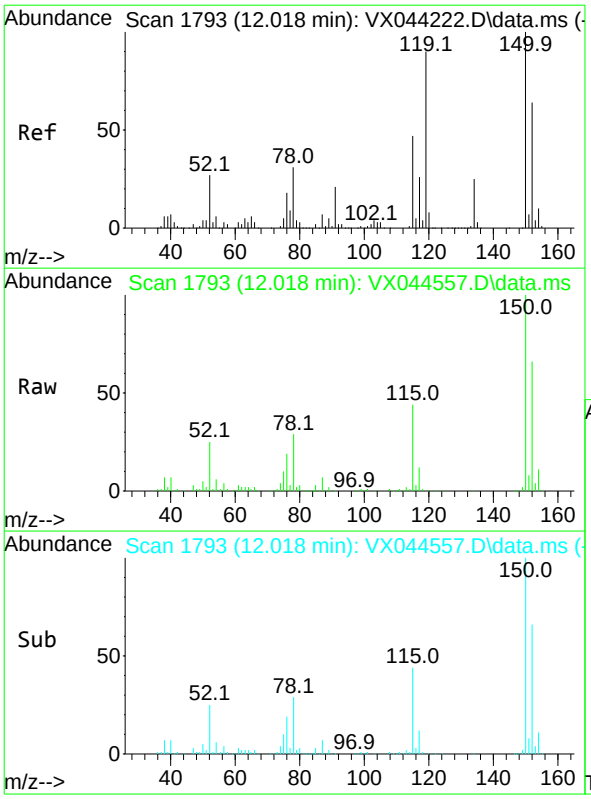


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044557.D
Acq: 30 Dec 2024 20:24

Tgt Ion:117 Resp: 178297

Ion	Ratio	Lower	Upper
117	100		
82	50.8	45.8	68.8
119	32.5	25.0	37.4



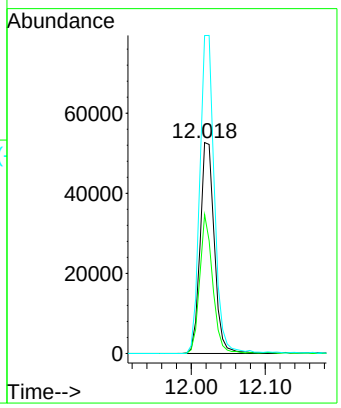


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044557.D
Acq: 30 Dec 2024 20:24

Instrument :
MSVOA_X
ClientSampleId :
RE117D2-20241218

Tgt Ion:152 Resp: 70367

Ion	Ratio	Lower	Upper
152	100		
115	60.2	44.5	133.3
150	154.4	0.0	353.8



Raw Data: **VX044558.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT161S1-20241219	SDG No.:	P5376
Lab Sample ID:	P5376-14	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044558.D	1		12/30/24 20:48	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.42	J	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.51	J	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.40	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.60	J	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.43	J	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	2.50		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.44	J	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	1.20		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX044558.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT161S1-20241219	SDG No.:	P5376
Lab Sample ID:	P5376-14	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044558.D	1		12/30/24 20:48	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.67	J	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.9		81 - 118		92%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	53.8		89 - 112		108%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	105000	5.55				
540-36-3	1,4-Difluorobenzene	186000	6.757				
3114-55-4	Chlorobenzene-d5	163000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	66600	12.024				

Raw Data: **VX044558.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT161S1-20241219	SDG No.:	P5376
Lab Sample ID:	P5376-14	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044558.D	1		12/30/24 20:48	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (LSC Reviewed)

Sample Results: **VX044558.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044558.D
Acq On : 30 Dec 2024 20:48
Operator : JC/MD
Sample : P5376-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20241219

Quant Time: Dec 31 00:38:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	105027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	186168	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	163359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84530	45.904	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.800%			
35) Dibromofluoromethane	5.385	113	65178	50.550	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.100%			
50) Toluene-d8	8.647	98	233818	53.751	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.500%			
62) 4-Bromofluorobenzene	11.079	95	73565	48.398	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.800%			
Target Compounds						Qvalue
3) Chloromethane	1.300	50	654	0.421	ug/l	89
12) 1,1-Dichloroethene	2.306	96	599	0.509	ug/l	92
16) Acetone	2.386	43	1084	1.444	ug/l #	77
19) Methyl tert-butyl Ether	3.117	73	2758	0.600	ug/l	94
20) Methylene Chloride	2.794	84	604	0.428	ug/l #	64
24) 1,1-Dichloroethane	3.599	63	6222	2.528	ug/l #	91
30) Chloroform	5.092	83	1222	0.442	ug/l	92
44) Trichloroethene	7.129	130	1465	1.161	ug/l	88
64) Tetrachloroethene	9.269	164	722	0.666	ug/l	84

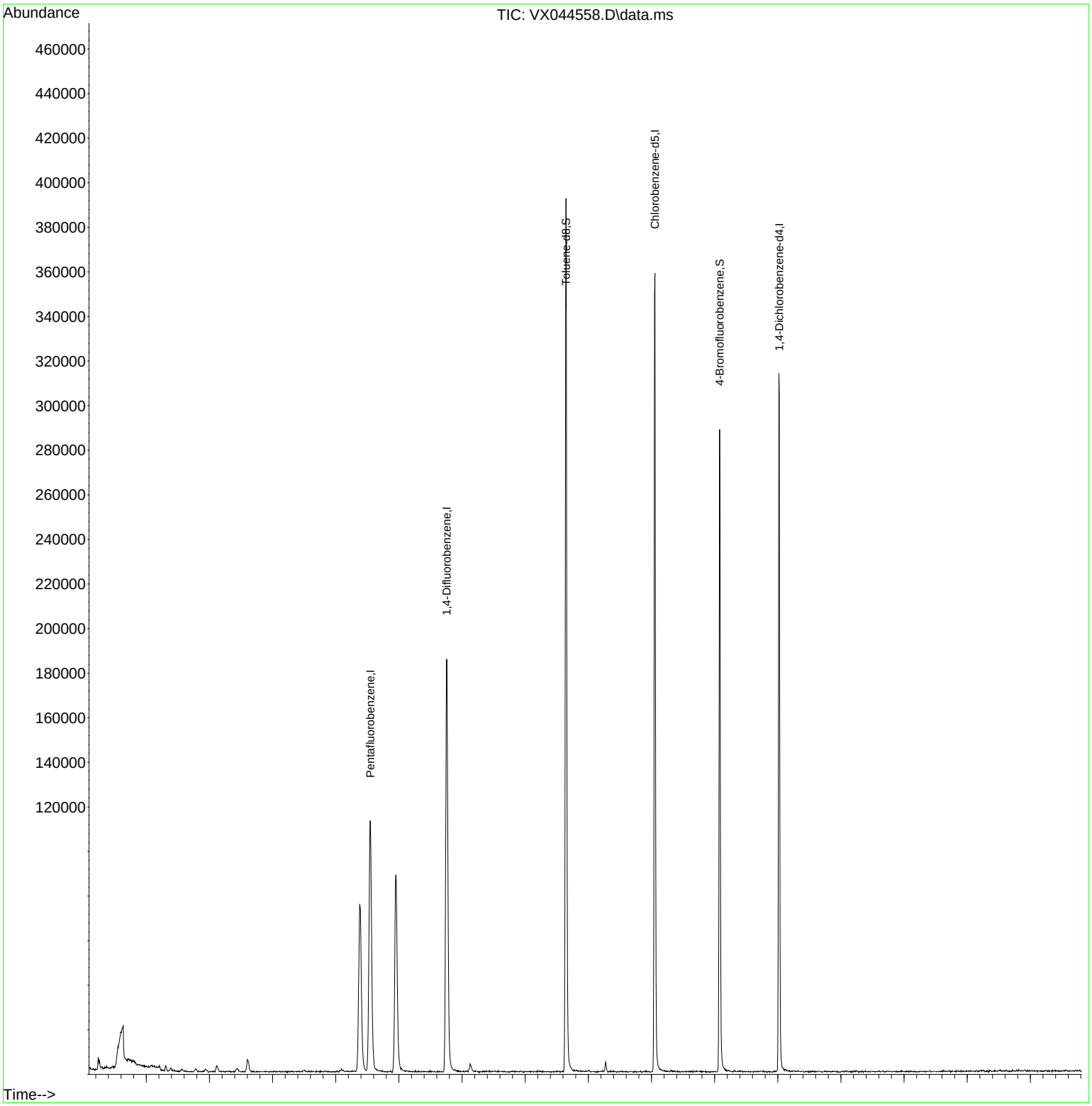
(#) = qualifier out of range (m) = manual integration (+) = signals summed

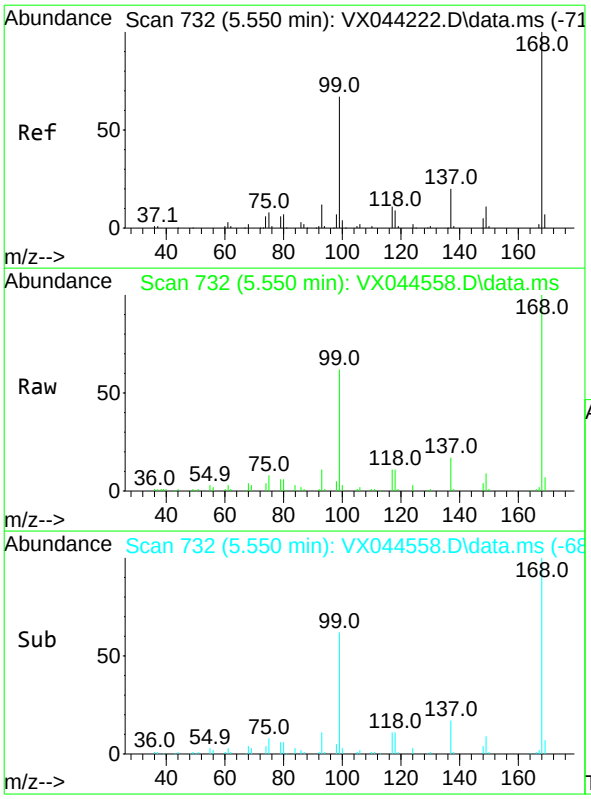
Sample Results: **VX044558.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044558.D
Acq On : 30 Dec 2024 20:48
Operator : JC/MD
Sample : P5376-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20241219

Quant Time: Dec 31 00:38:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



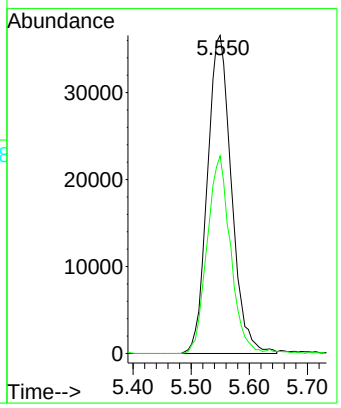


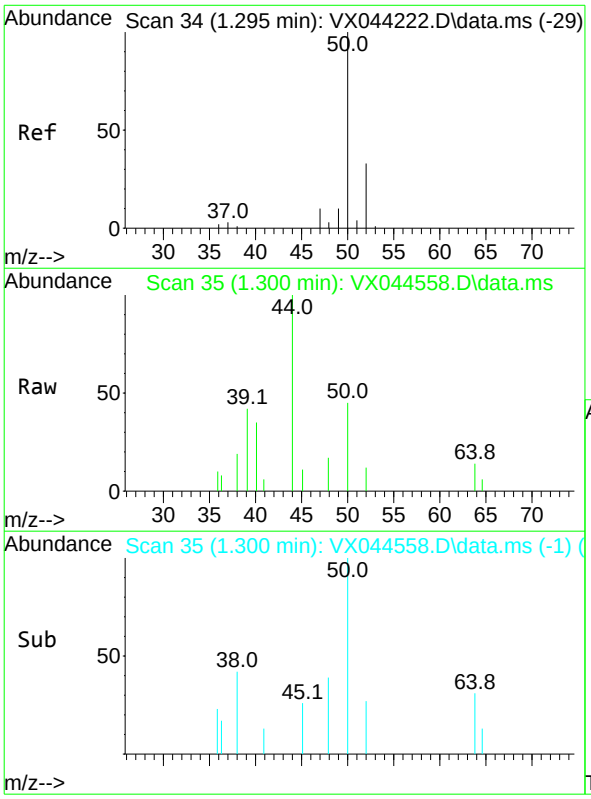
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20241219

Tgt Ion:168 Resp: 105027

Ion	Ratio	Lower	Upper
168	100		
99	62.1	53.4	80.0

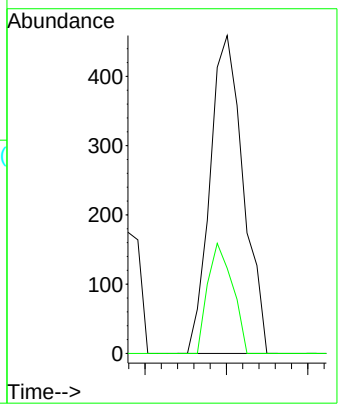


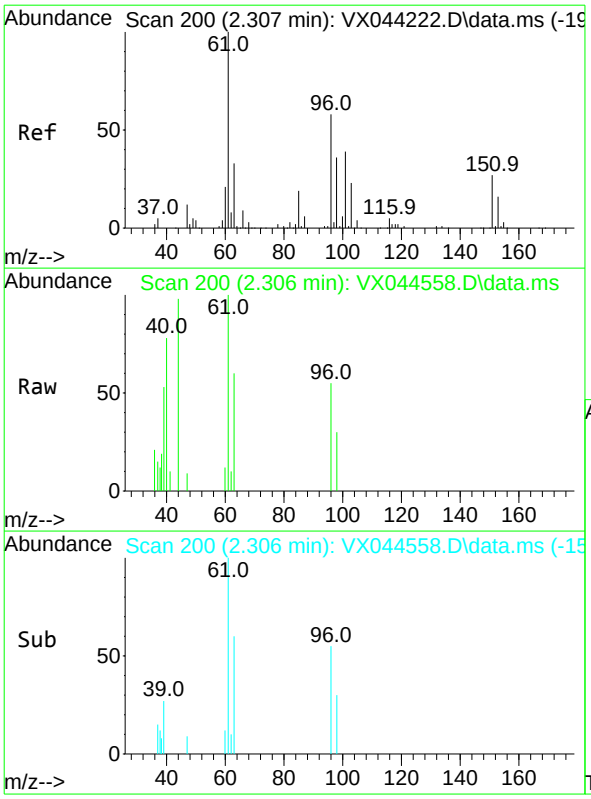


#3
Chloromethane
Concen: 0.421 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Tgt Ion: 50 Resp: 654

Ion	Ratio	Lower	Upper
50	100		
52	26.8	26.5	39.7



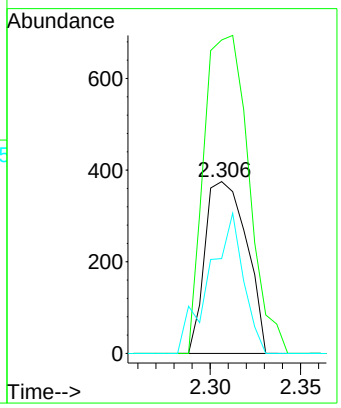


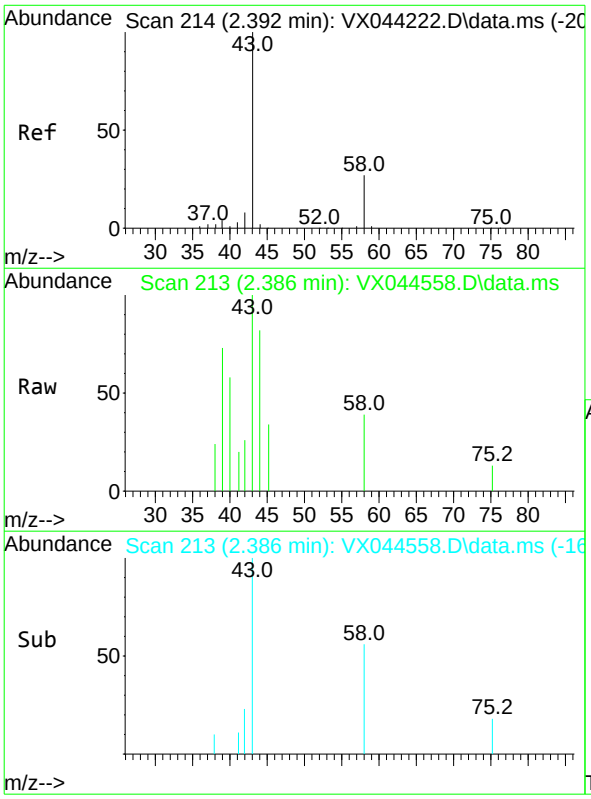
#12
1,1-Dichloroethene
Concen: 0.509 ug/l
RT: 2.306 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20241219

Tgt Ion: 96 Resp: 599

Ion	Ratio	Lower	Upper
96	100		
61	182.4	138.0	207.0
98	55.2	50.0	75.0

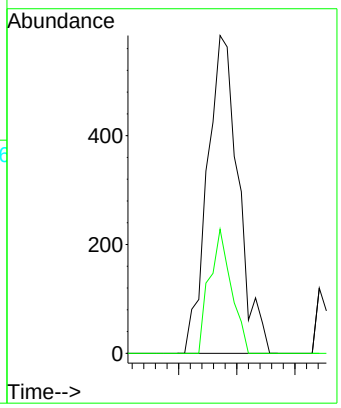


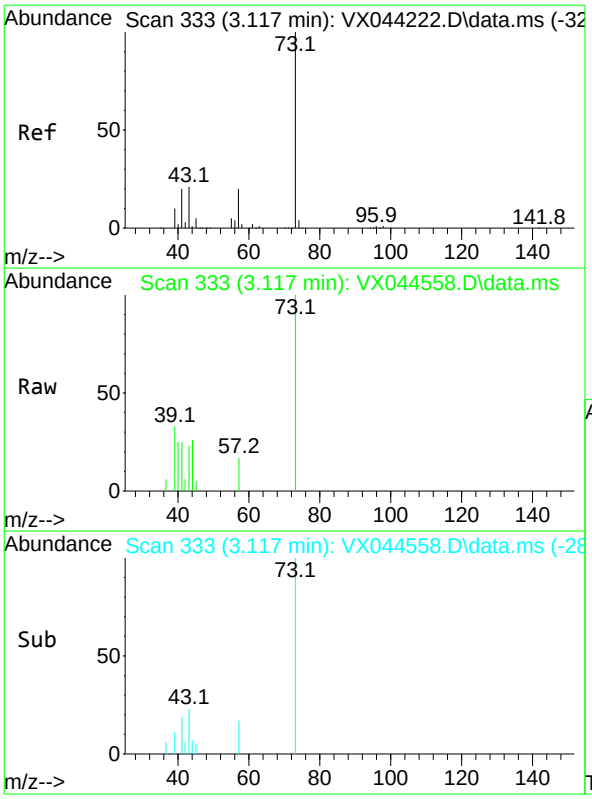


#16
Acetone
Concen: 1.444 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Tgt Ion: 43 Resp: 1084

Ion	Ratio	Lower	Upper
43	100		
58	39.0	21.6	32.4#



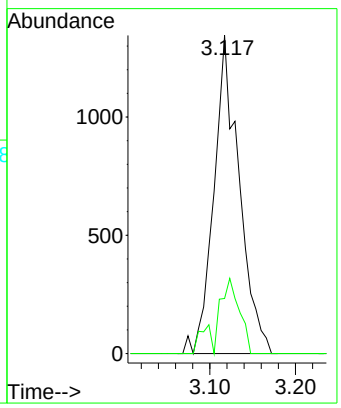


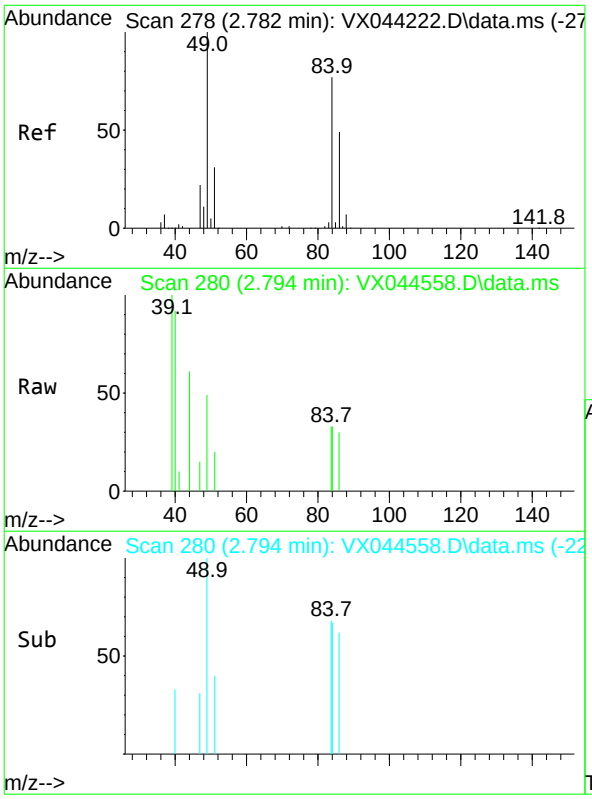
#19
Methyl tert-butyl Ether
Concen: 0.600 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20241219

Tgt Ion: 73 Resp: 2758

Ion	Ratio	Lower	Upper
73	100		
57	17.3	16.2	24.4

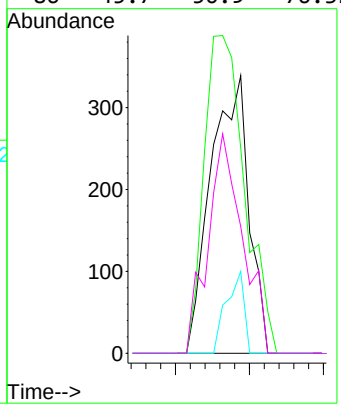


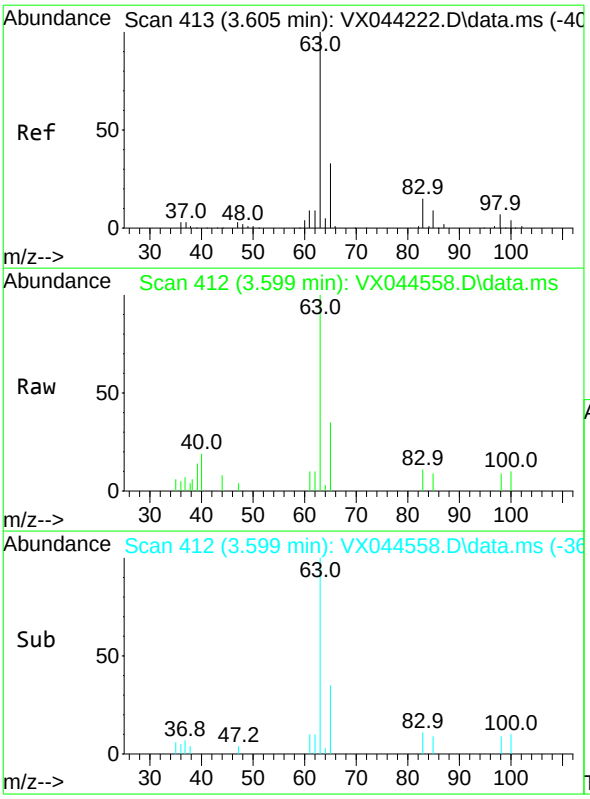


#20
Methylene Chloride
Concen: 0.428 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.012 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Tgt Ion: 84 Resp: 604

Ion	Ratio	Lower	Upper
84	100		
49	74.0	104.2	156.4#
51	29.5	32.2	48.4#
86	45.7	50.9	76.3#



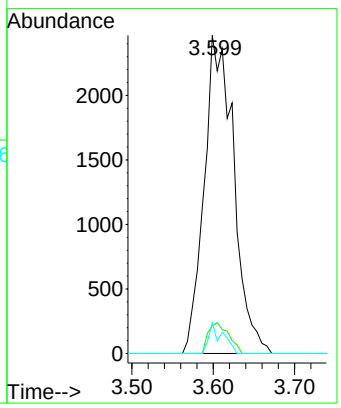


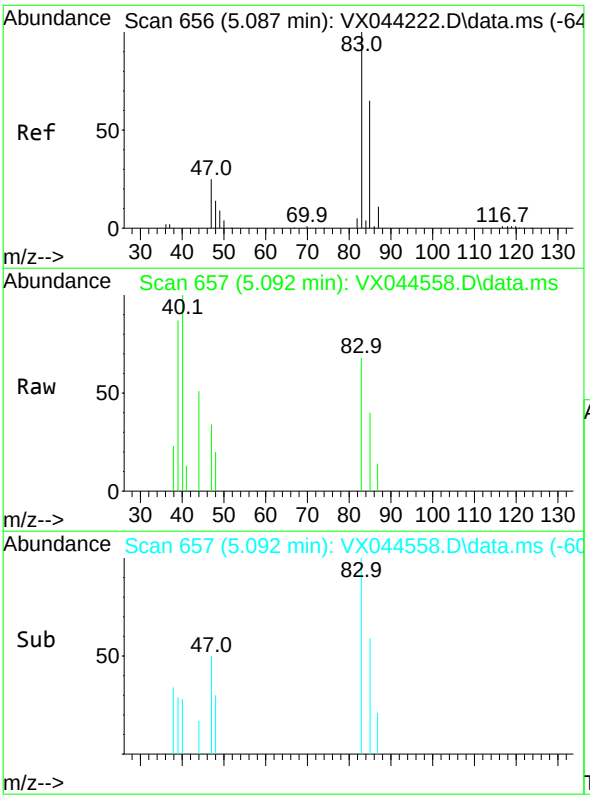
#24
1,1-Dichloroethane
Concen: 2.528 ug/l
RT: 3.599 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20241219

Tgt Ion: 63 Resp: 6222

Ion	Ratio	Lower	Upper
63	100		
98	8.7	3.6	10.8
100	9.7	2.1	6.3#

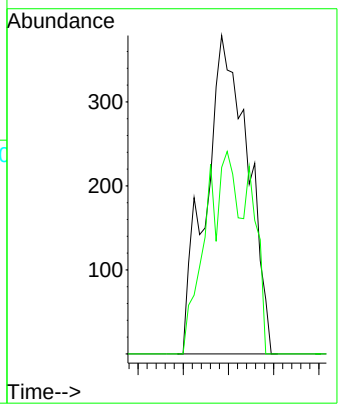


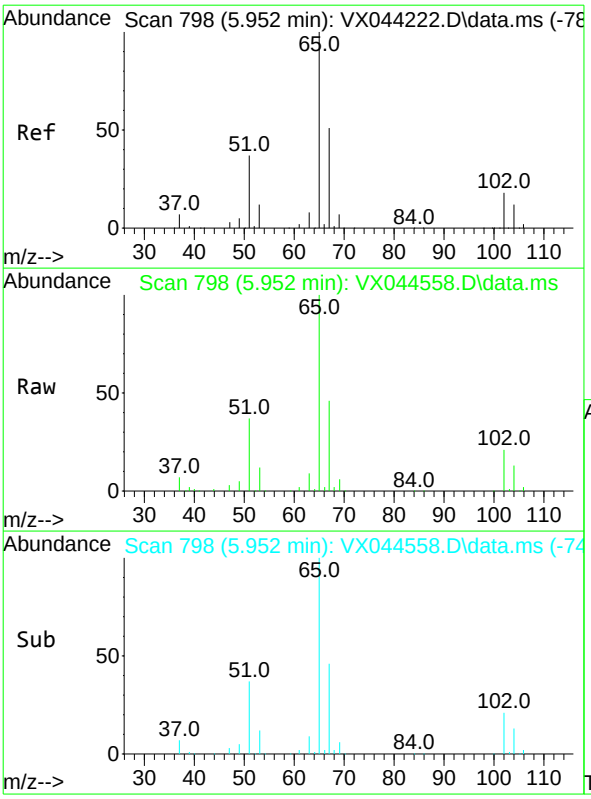


#30
Chloroform
Concen: 0.442 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Tgt Ion: 83 Resp: 1222

Ion	Ratio	Lower	Upper
83	100		
85	58.6	51.6	77.4



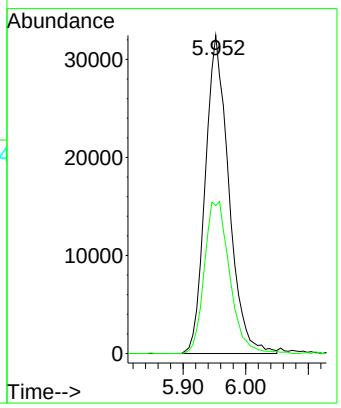


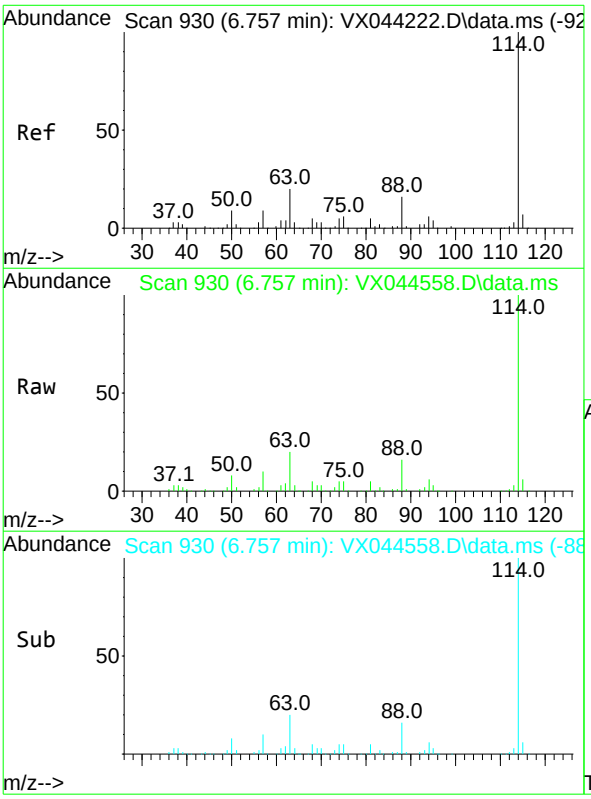
#33
1,2-Dichloroethane-d4
Concen: 45.904 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20241219

Tgt Ion: 65 Resp: 84530

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	101.6

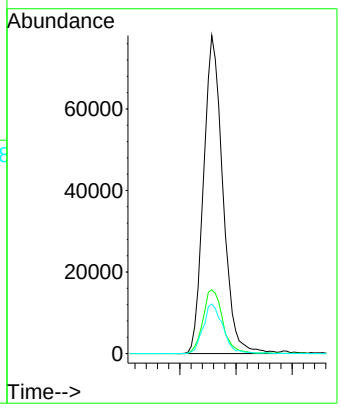


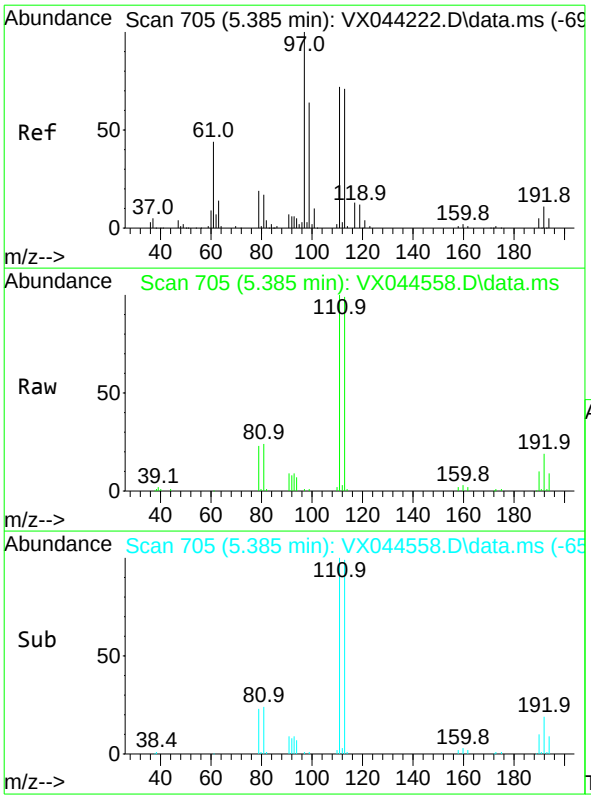


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Tgt Ion:114 Resp: 186168

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.6
88	15.6	0.0	31.8



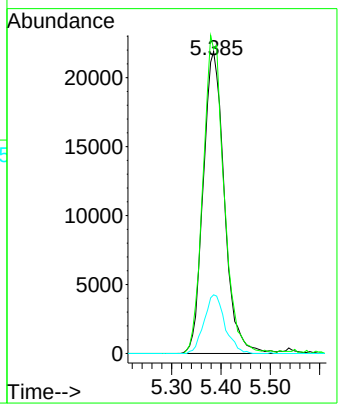


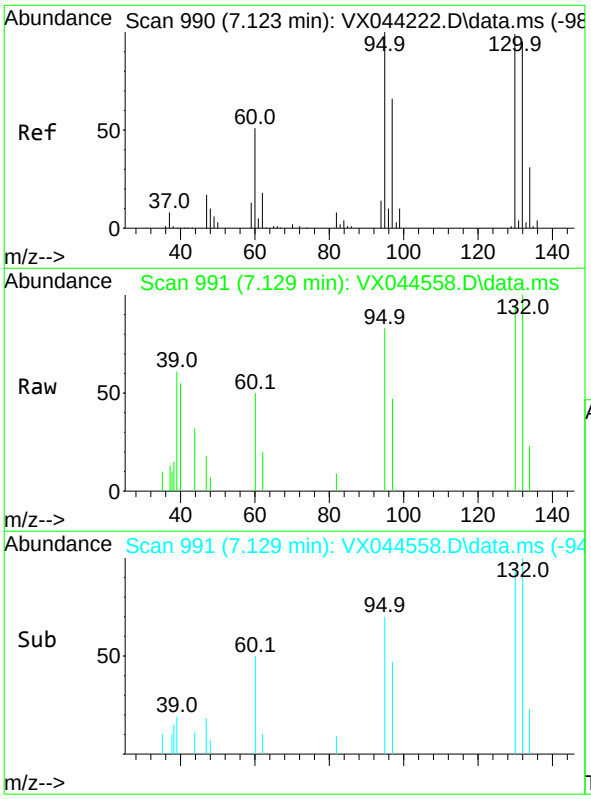
#35
Dibromofluoromethane
Concen: 50.550 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20241219

Tgt Ion:113 Resp: 65178

Ion	Ratio	Lower	Upper
113	100		
111	103.9	80.4	120.6
192	19.2	13.3	19.9

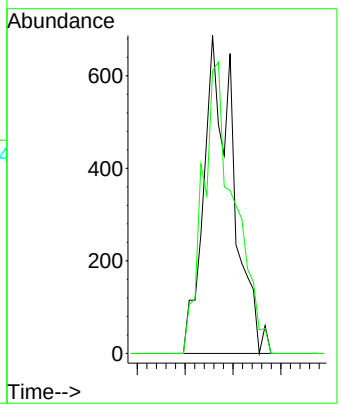


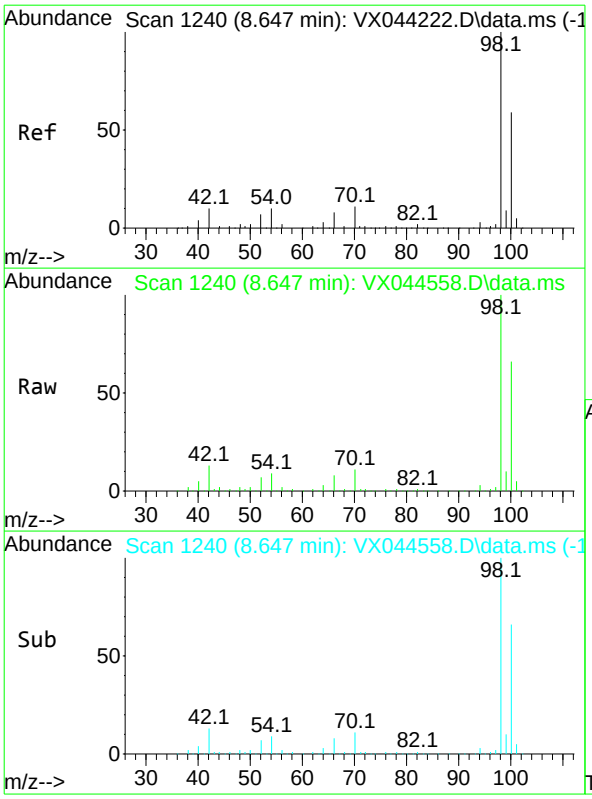


#44
Trichloroethene
Concen: 1.161 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Tgt Ion:130 Resp: 1465

Ion	Ratio	Lower	Upper
130	100		
95	88.9	0.0	201.4



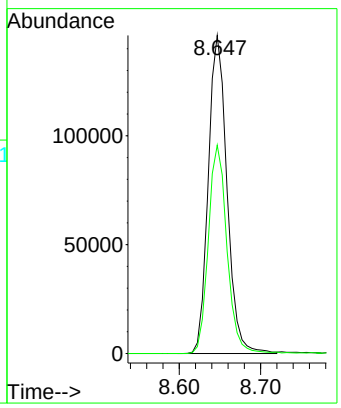


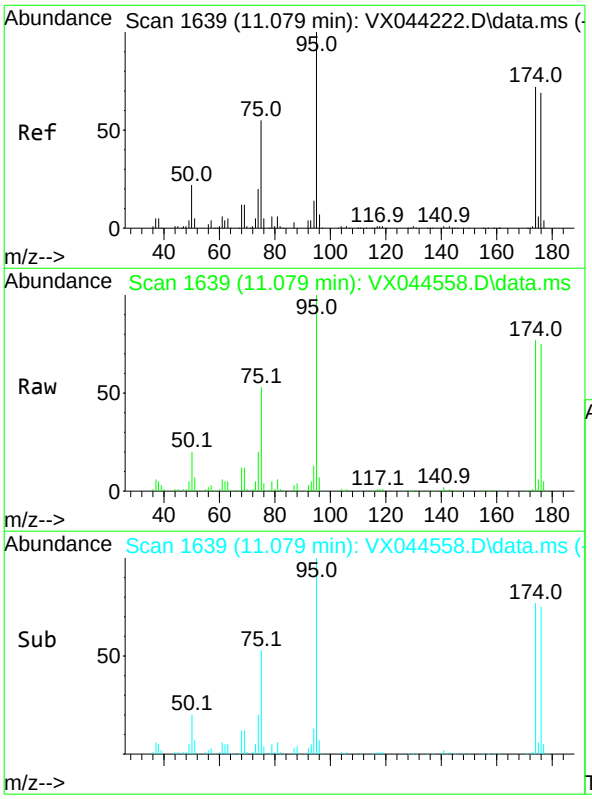
#50
Toluene-d8
Concen: 53.751 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20241219

Tgt Ion: 98 Resp: 233818

Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.5	77.3

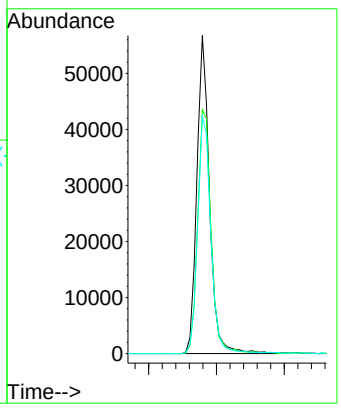


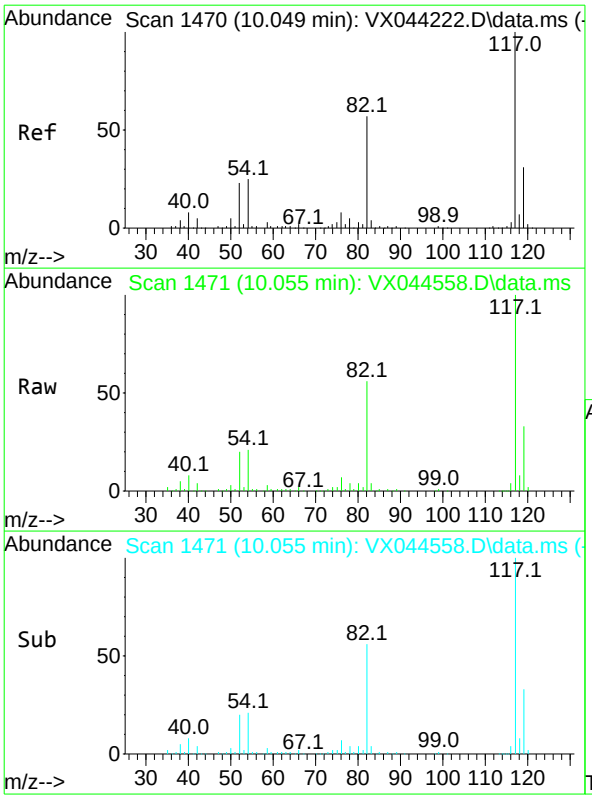


#62
4-Bromofluorobenzene
Concen: 48.398 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Tgt Ion: 95 Resp: 73565

Ion	Ratio	Lower	Upper
95	100		
174	81.8	0.0	145.8
176	77.6	0.0	137.8



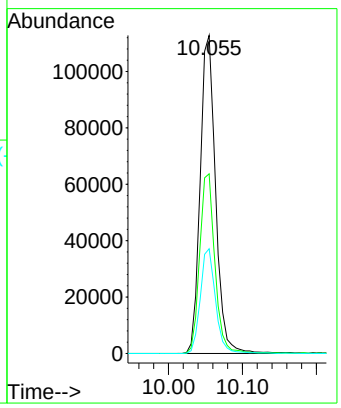


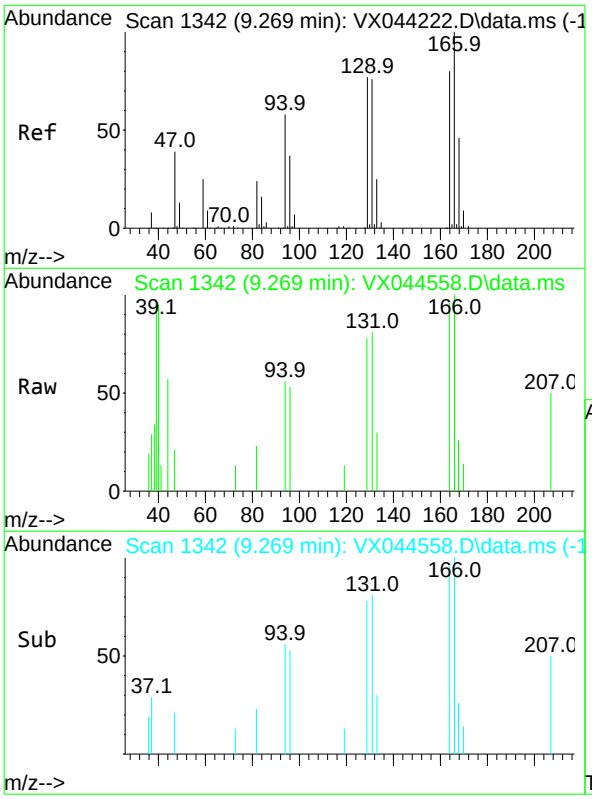
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20241219

Tgt Ion:117 Resp: 163359

Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.8	68.8
119	32.9	25.0	37.4

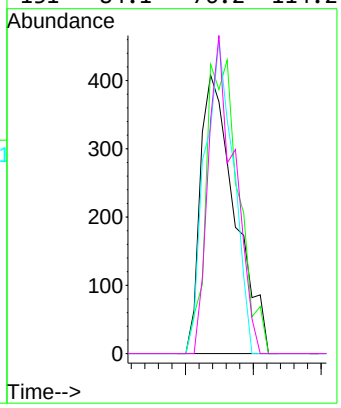


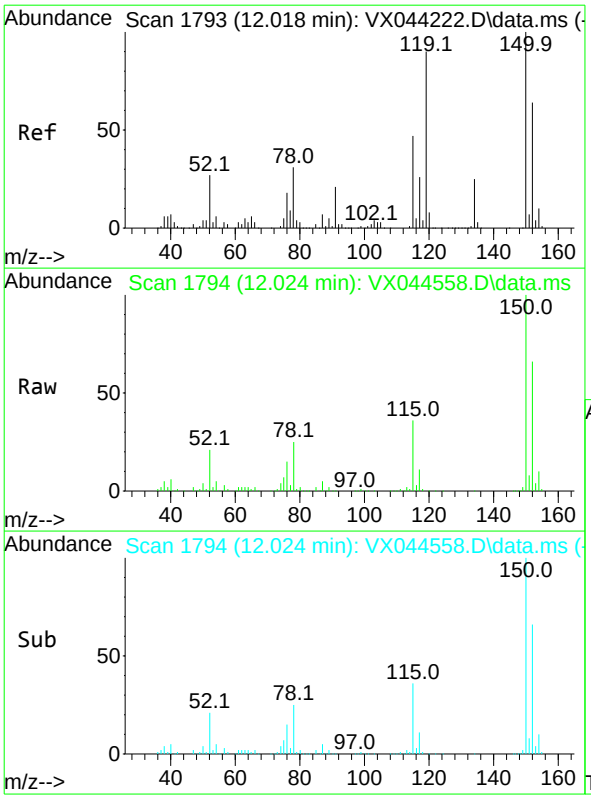


#64
Tetrachloroethene
Concen: 0.666 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Tgt Ion:164 Resp: 722

Ion	Ratio	Lower	Upper
164	100		
166	103.9	100.4	150.6
129	81.1	77.2	115.8
131	84.1	76.2	114.2



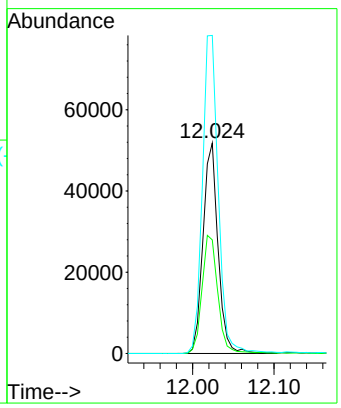


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. 0.006 min
Lab File: VX044558.D
Acq: 30 Dec 2024 20:48

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20241219

Tgt Ion:152 Resp: 66627

Ion	Ratio	Lower	Upper
152	100		
115	58.9	44.5	133.3
150	159.3	0.0	353.8



Raw Data: **VX044559.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT162S1-20241219	SDG No.:	P5376
Lab Sample ID:	P5376-15	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044559.D	1		12/30/24 21:11	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.36	J	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.44	J	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.30		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.46	J	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	12.4		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX044559.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT162S1-20241219	SDG No.:	P5376
Lab Sample ID:	P5376-15	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044559.D	1		12/30/24 21:11	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.68	J	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.1		81 - 118		90%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	52.7		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	114000	5.55				
540-36-3	1,4-Difluorobenzene	199000	6.757				
3114-55-4	Chlorobenzene-d5	175000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	74300	12.024				

Raw Data: **VX044559.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT162S1-20241219	SDG No.:	P5376
Lab Sample ID:	P5376-15	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044559.D	1		12/30/24 21:11	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Sample Results: **VX044559.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044559.D
Acq On : 30 Dec 2024 21:11
Operator : JC/MD
Sample : P5376-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20241219

Quant Time: Dec 31 00:38:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	114172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	199344	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	174896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	90224	45.071	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.140%			
35) Dibromofluoromethane	5.379	113	68868	49.881	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.760%			
50) Toluene-d8	8.647	98	245495	52.705	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.420%			
62) 4-Bromofluorobenzene	11.079	95	79780	49.018	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.040%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.306	96	459	0.359	ug/l #	59
16) Acetone	2.386	43	1083	1.327	ug/l #	73
20) Methylene Chloride	2.788	84	671	0.438	ug/l #	47
24) 1,1-Dichloroethane	3.605	63	3543	1.324	ug/l #	94
30) Chloroform	5.092	83	1390	0.462	ug/l #	73
44) Trichloroethene	7.123	130	16730	12.381	ug/l	100
64) Tetrachloroethene	9.281	164	784	0.675	ug/l #	68

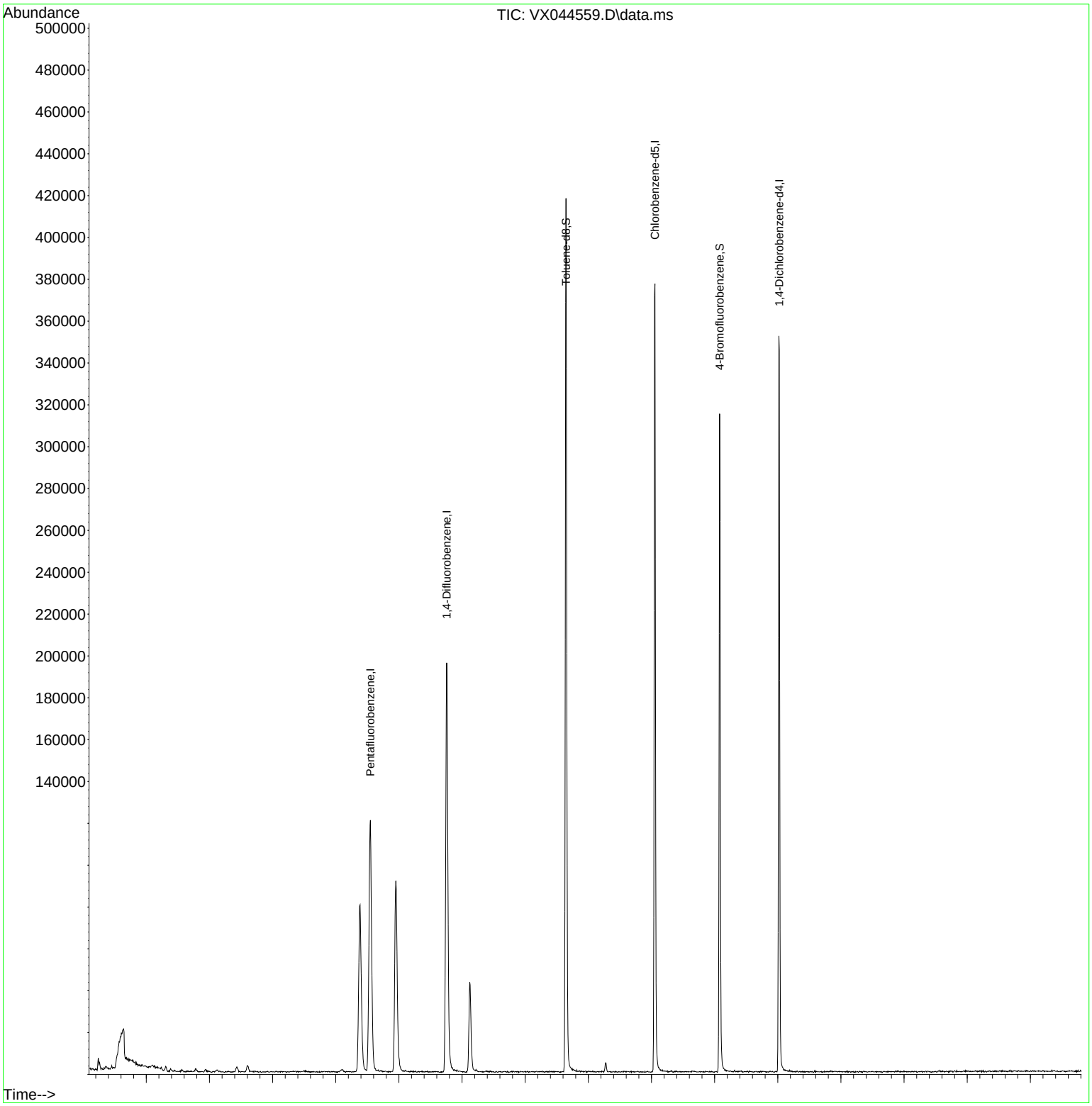
(#) = qualifier out of range (m) = manual integration (+) = signals summed

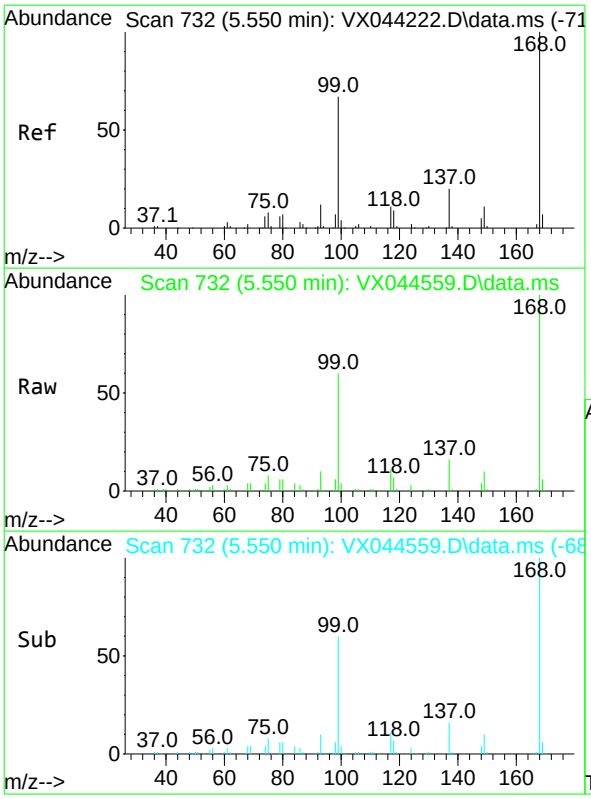
Sample Results: **VX044559.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044559.D
Acq On : 30 Dec 2024 21:11
Operator : JC/MD
Sample : P5376-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20241219

Quant Time: Dec 31 00:38:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



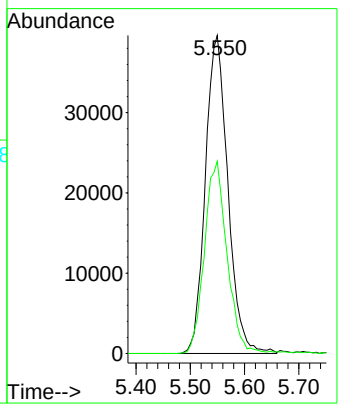


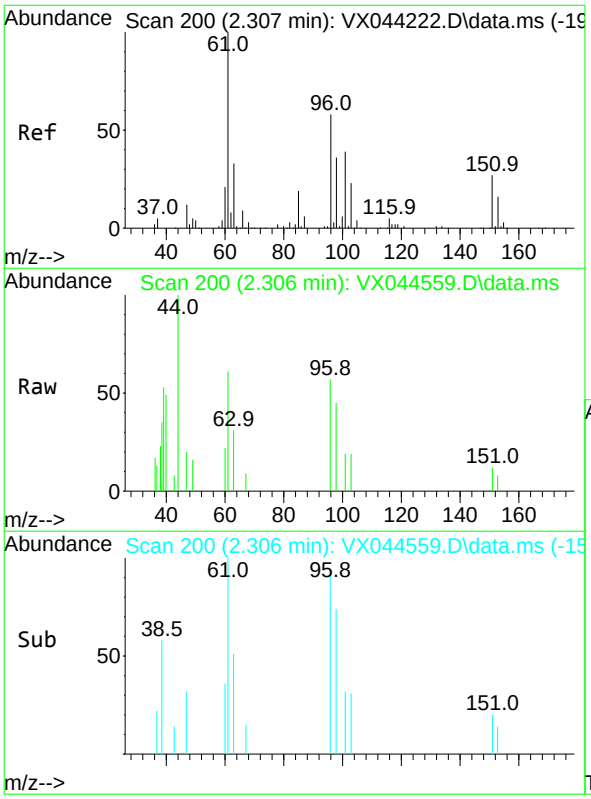
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044559.D
Acq: 30 Dec 2024 21:11

Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20241219

Tgt Ion:168 Resp: 114172

Ion	Ratio	Lower	Upper
168	100		
99	60.4	53.4	80.0

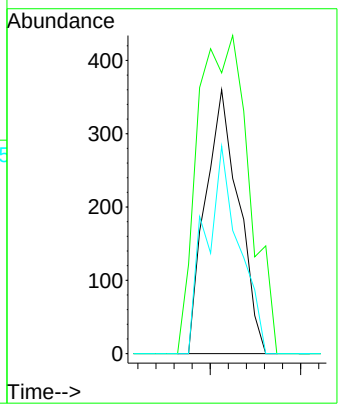


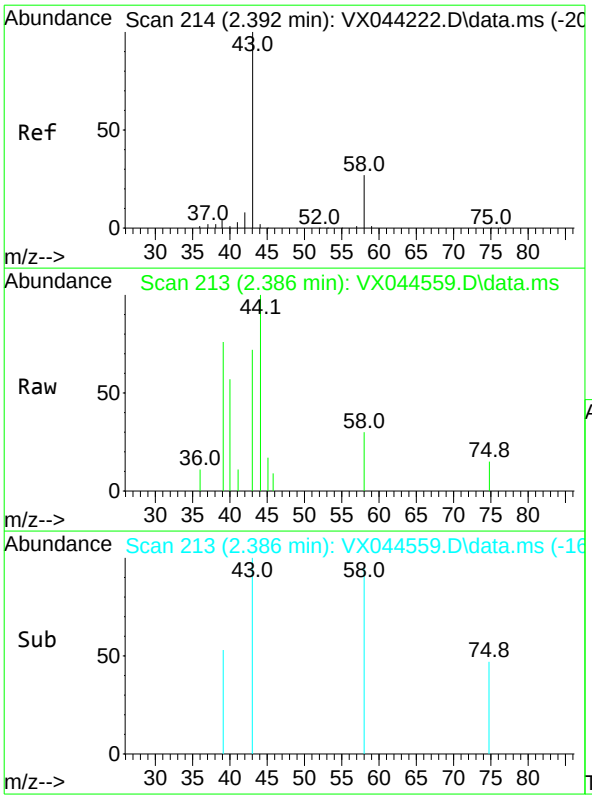


#12
1,1-Dichloroethene
Concen: 0.359 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044559.D
Acq: 30 Dec 2024 21:11

Tgt Ion: 96 Resp: 459

Ion	Ratio	Lower	Upper
96	100		
61	106.4	138.0	207.0#
98	78.6	50.0	75.0#



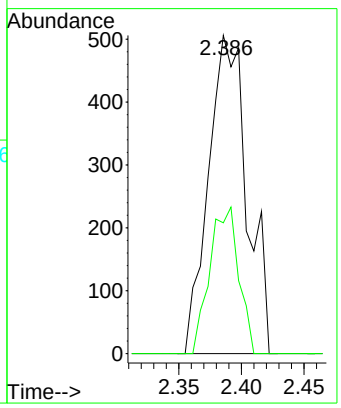


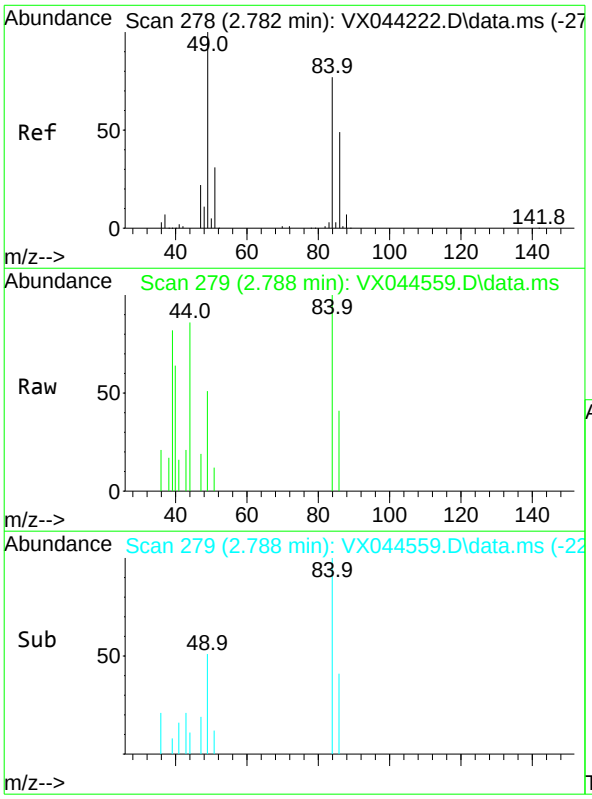
#16
Acetone
Concen: 1.327 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX044559.D
Acq: 30 Dec 2024 21:11

Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20241219

Tgt Ion: 43 Resp: 1083

Ion	Ratio	Lower	Upper
43	100		
58	41.1	21.6	32.4#

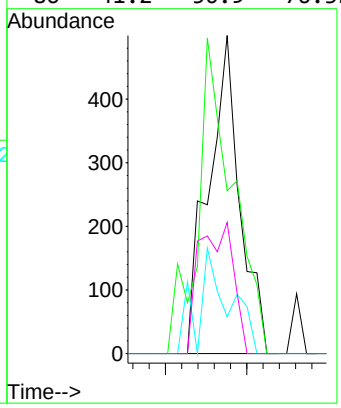


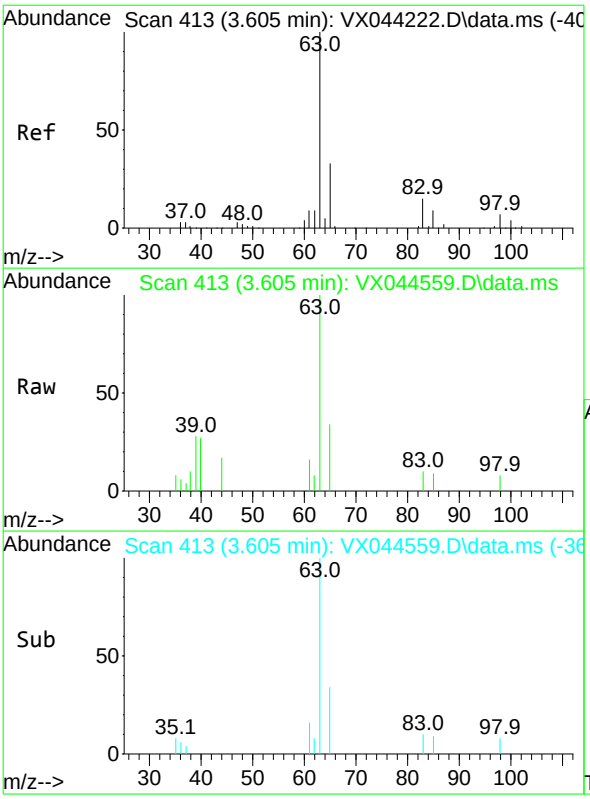


#20
Methylene Chloride
Concen: 0.438 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX044559.D
Acq: 30 Dec 2024 21:11

Tgt Ion: 84 Resp: 671

Ion	Ratio	Lower	Upper
84	100		
49	51.2	104.2	156.4#
51	11.6	32.2	48.4#
86	41.2	50.9	76.3#



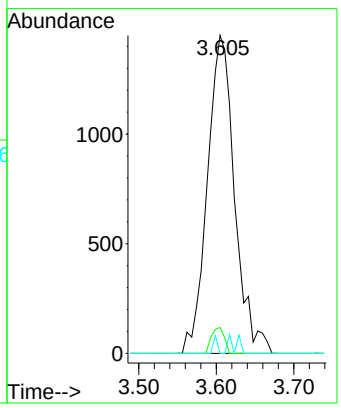


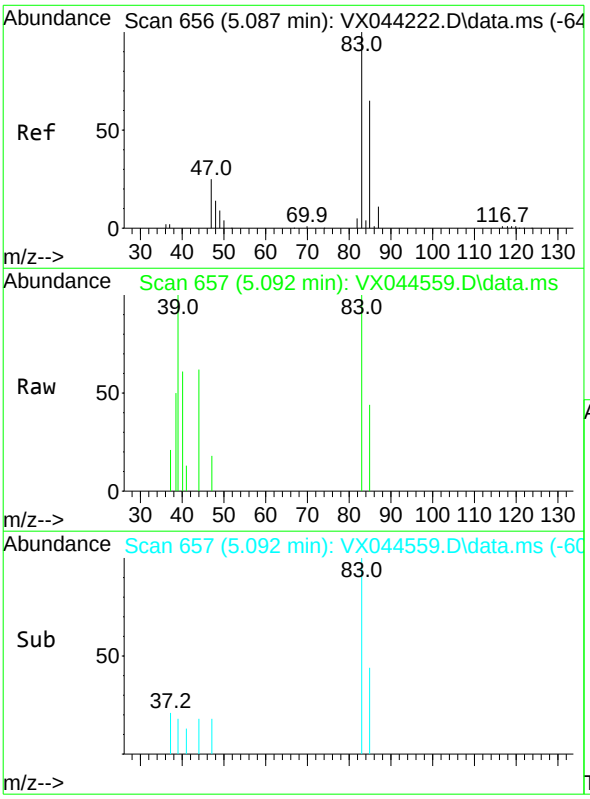
#24
1,1-Dichloroethane
Concen: 1.324 ug/l
RT: 3.605 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX044559.D
Acq: 30 Dec 2024 21:11

Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20241219

Tgt Ion: 63 Resp: 3543

Ion	Ratio	Lower	Upper
63	100		
98	8.1	3.6	10.8
100	0.0	2.1	6.3#

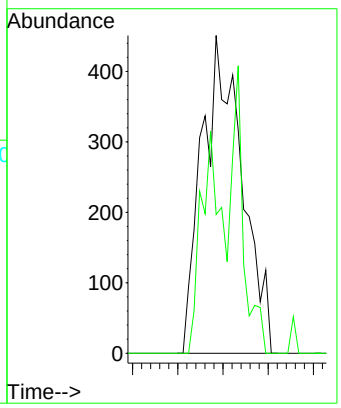


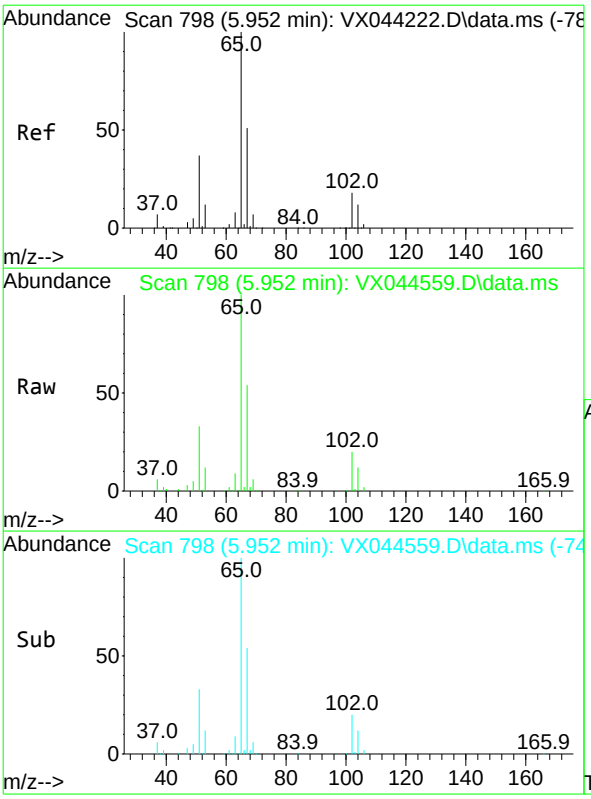


#30
Chloroform
Concen: 0.462 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044559.D
Acq: 30 Dec 2024 21:11

Tgt Ion: 83 Resp: 1390

Ion	Ratio	Lower	Upper
83	100		
85	43.7	51.6	77.4#



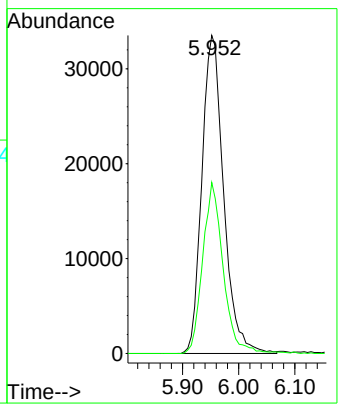


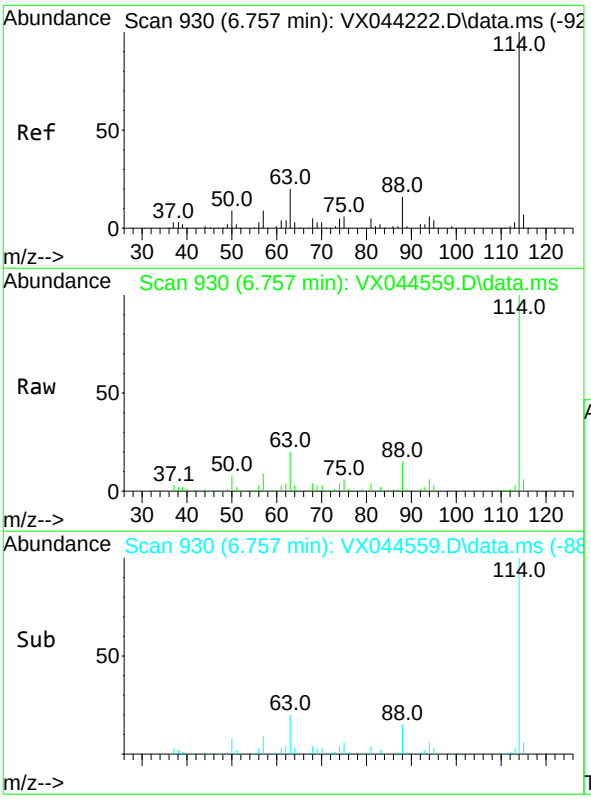
#33
1,2-Dichloroethane-d4
Concen: 45.071 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044559.D
Acq: 30 Dec 2024 21:11

Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20241219

Tgt Ion: 65 Resp: 90224

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	101.6

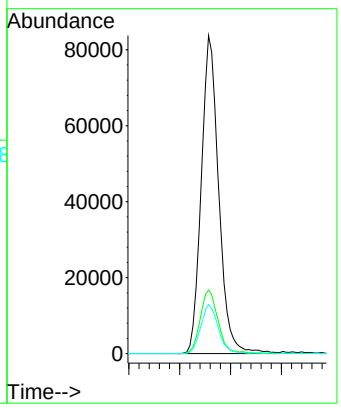


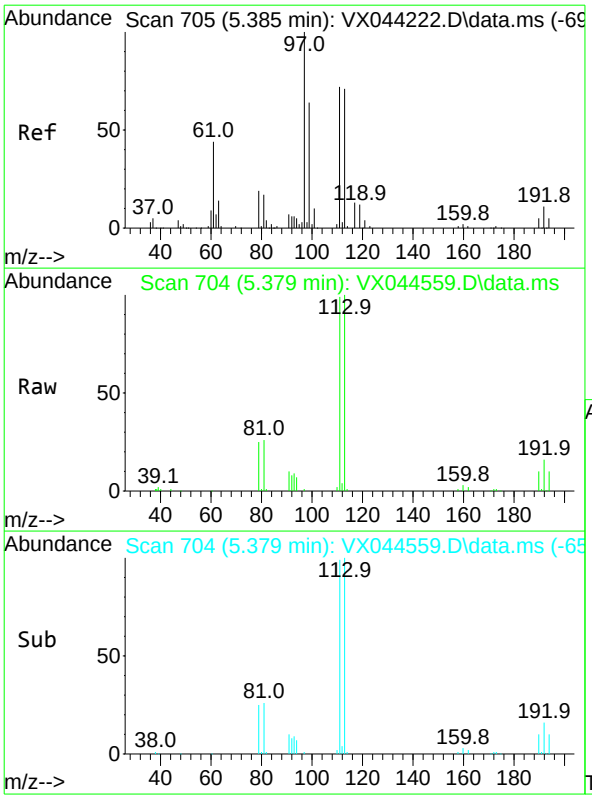


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044559.D
Acq: 30 Dec 2024 21:11

Tgt Ion:114 Resp: 199344

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.6
88	15.4	0.0	31.8



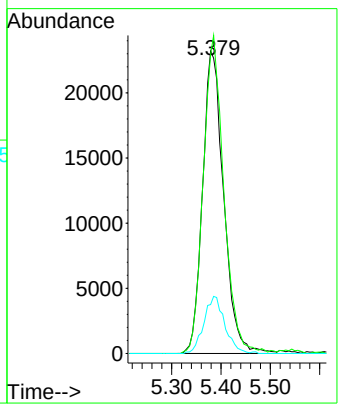


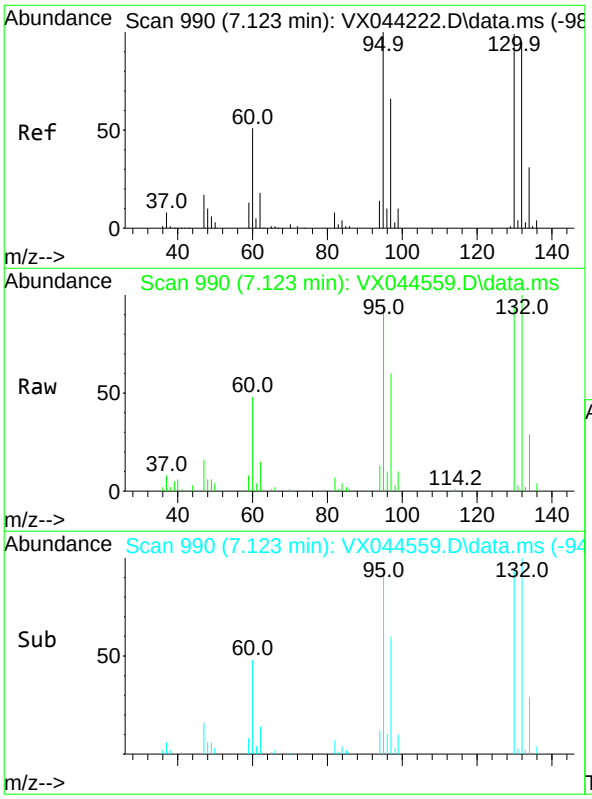
#35
Dibromofluoromethane
Concen: 49.881 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX044559.D
Acq: 30 Dec 2024 21:11

Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20241219

Tgt Ion:113 Resp: 68868

Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.4	120.6
192	18.7	13.3	19.9

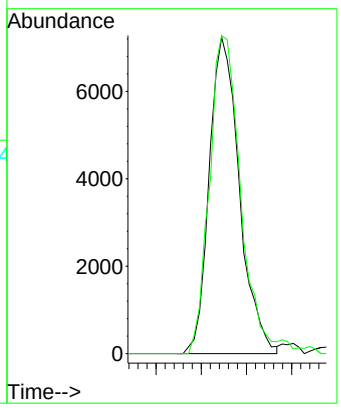


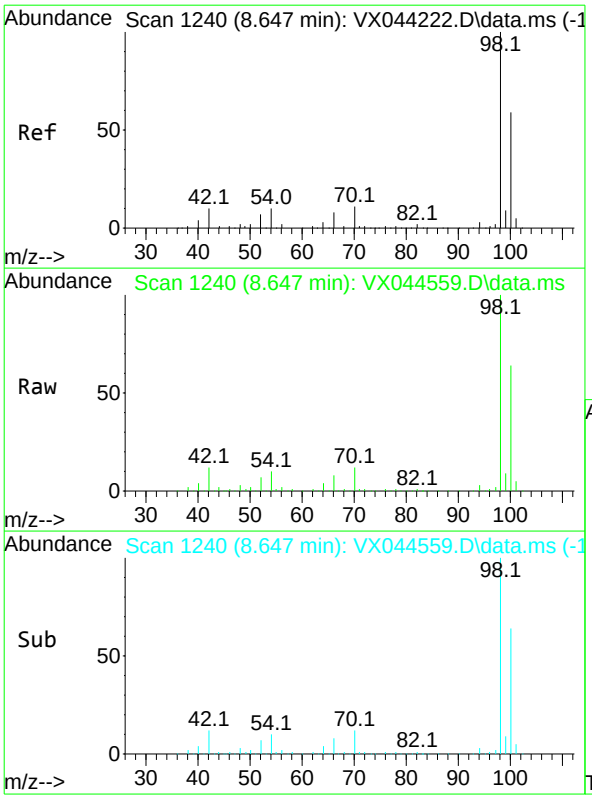


#44
Trichloroethene
Concen: 12.381 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044559.D
Acq: 30 Dec 2024 21:11

Tgt Ion:130 Resp: 16730

Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	201.4



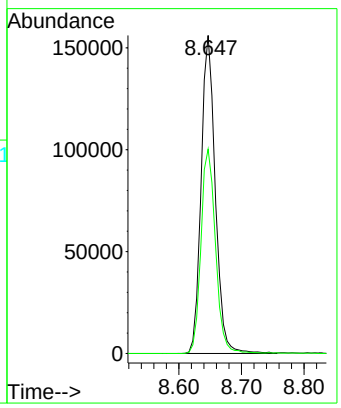


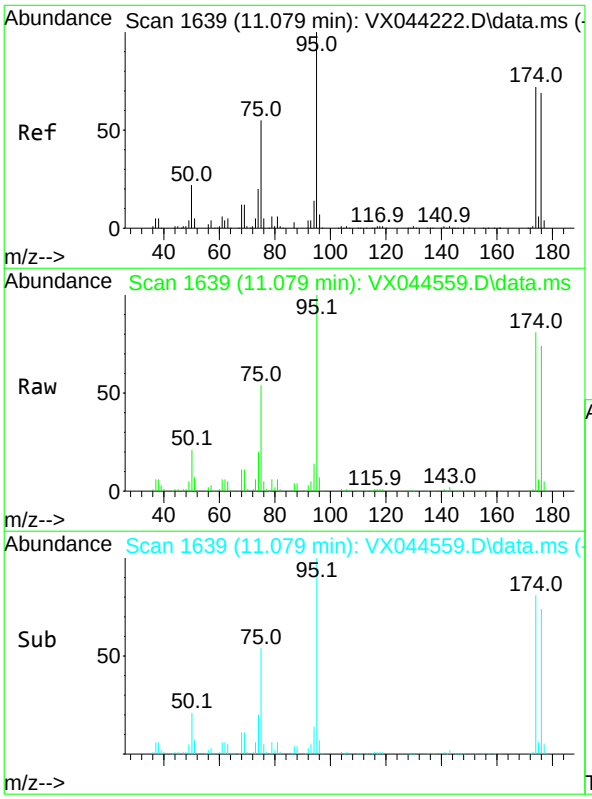
#50
Toluene-d8
Concen: 52.705 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044559.D
Acq: 30 Dec 2024 21:11

Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20241219

Tgt Ion: 98 Resp: 245495

Ion	Ratio	Lower	Upper
98	100		
100	65.9	51.5	77.3

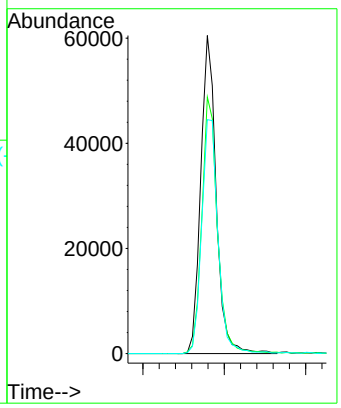


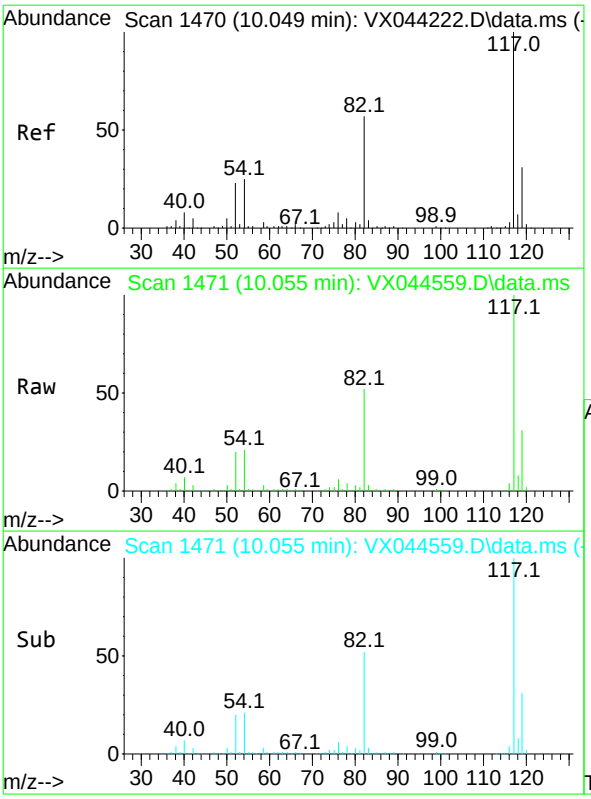


#62
4-Bromofluorobenzene
Concen: 49.018 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044559.D
Acq: 30 Dec 2024 21:11

Tgt Ion: 95 Resp: 79780

Ion	Ratio	Lower	Upper
95	100		
174	81.6	0.0	145.8
176	77.8	0.0	137.8



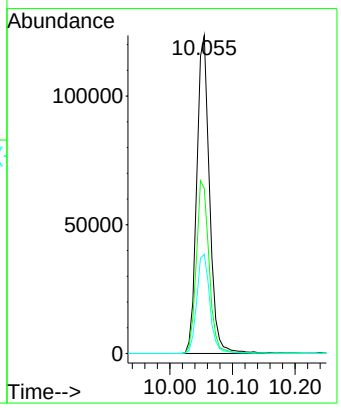


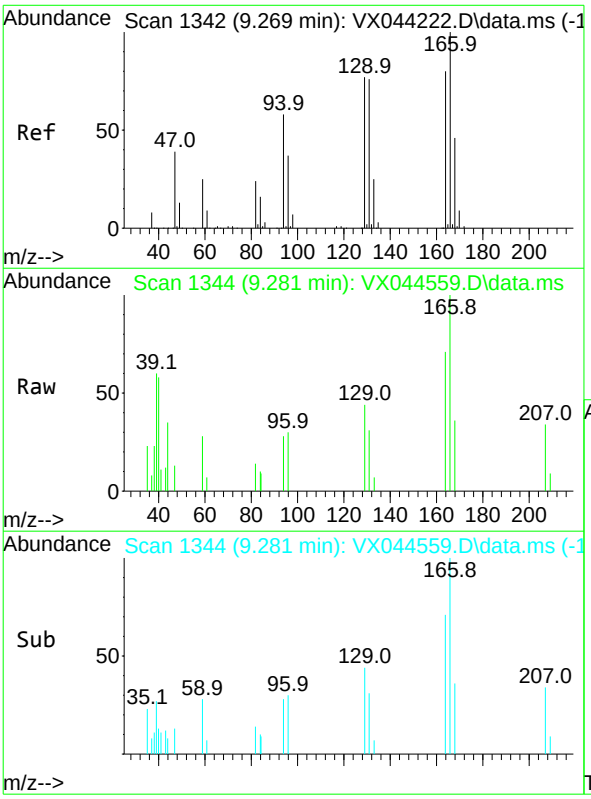
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044559.D
Acq: 30 Dec 2024 21:11

Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20241219

Tgt Ion:117 Resp: 174896

Ion	Ratio	Lower	Upper
117	100		
82	51.9	45.8	68.8
119	31.2	25.0	37.4

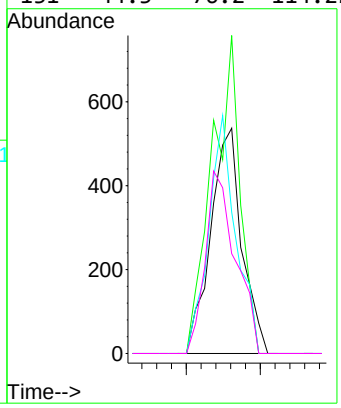


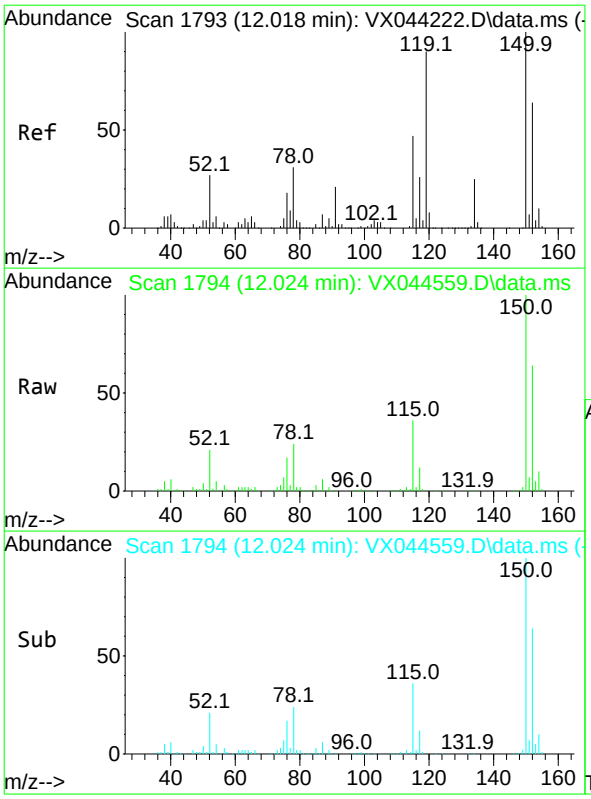


#64
Tetrachloroethene
Concen: 0.675 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.012 min
Lab File: VX044559.D
Acq: 30 Dec 2024 21:11

Tgt Ion:164 Resp: 784

Ion	Ratio	Lower	Upper
164	100		
166	141.2	100.4	150.6
129	62.8	77.2	115.8#
131	44.3	76.2	114.2#



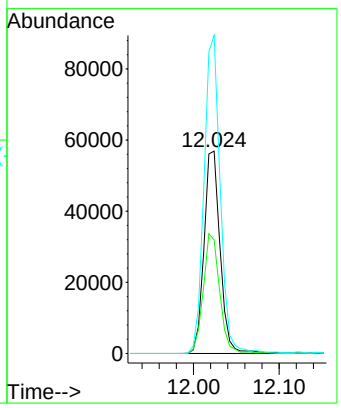


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. 0.006 min
Lab File: VX044559.D
Acq: 30 Dec 2024 21:11

Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20241219

Tgt Ion:152 Resp: 74318

Ion	Ratio	Lower	Upper
152	100		
115	60.3	44.5	133.3
150	157.9	0.0	353.8



Raw Data: **VX044560.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW11-MW01S-20241219	SDG No.:	P5376
Lab Sample ID:	P5376-16	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044560.D	1		12/30/24 21:34	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.29	J	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.36	J	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.42	J	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX044560.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW11-MW01S-20241219	SDG No.:	P5376
Lab Sample ID:	P5376-16	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044560.D	1		12/30/24 21:34	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.1		81 - 118		90%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	54.0		89 - 112		108%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.9		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	109000	5.544				
540-36-3	1,4-Difluorobenzene	188000	6.757				
3114-55-4	Chlorobenzene-d5	163000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	63700	12.024				

Raw Data: **VX044560.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW11-MW01S-20241219	SDG No.:	P5376
Lab Sample ID:	P5376-16	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044560.D	1		12/30/24 21:34	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (LSC Reviewed)

Sample Results: **VX044560.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044560.D
Acq On : 30 Dec 2024 21:34
Operator : JC/MD
Sample : P5376-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01S-20241219

Quant Time: Dec 31 00:39:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	109001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	187510	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	162626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86253	45.132	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.260%			
35) Dibromofluoromethane	5.385	113	68182	52.501	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.000%			
50) Toluene-d8	8.647	98	236562	53.993	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.980%			
62) 4-Bromofluorobenzene	11.079	95	71810	46.905	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.820%			
Target Compounds						Qvalue
16) Acetone	2.386	43	715	0.918	ug/l #	77
19) Methyl tert-butyl Ether	3.123	73	1367	0.287	ug/l #	90
30) Chloroform	5.105	83	1022	0.356	ug/l #	72
44) Trichloroethene	7.147	130	538	0.423	ug/l	31

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

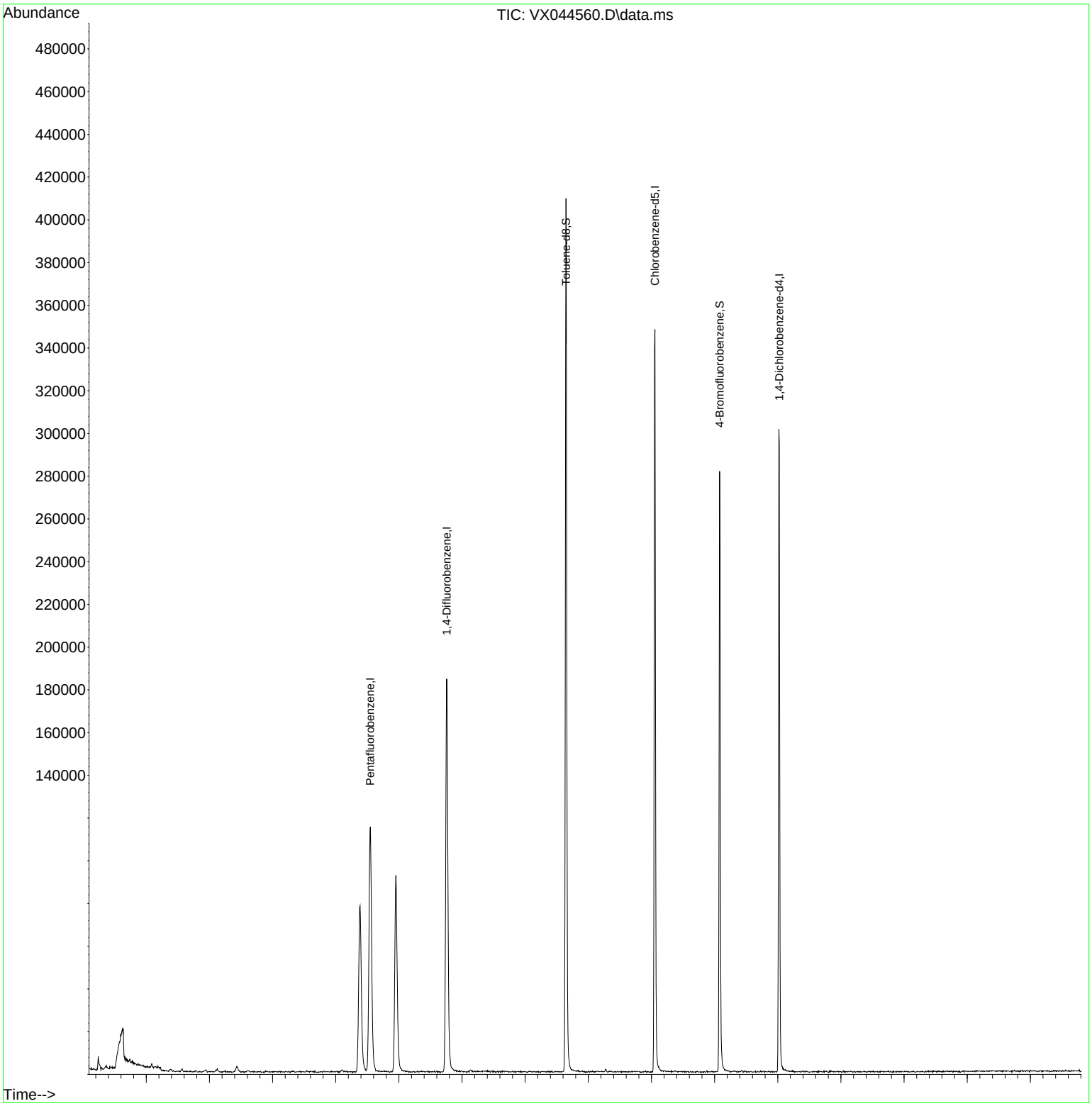
Quantitation Report (LSC Reviewed)

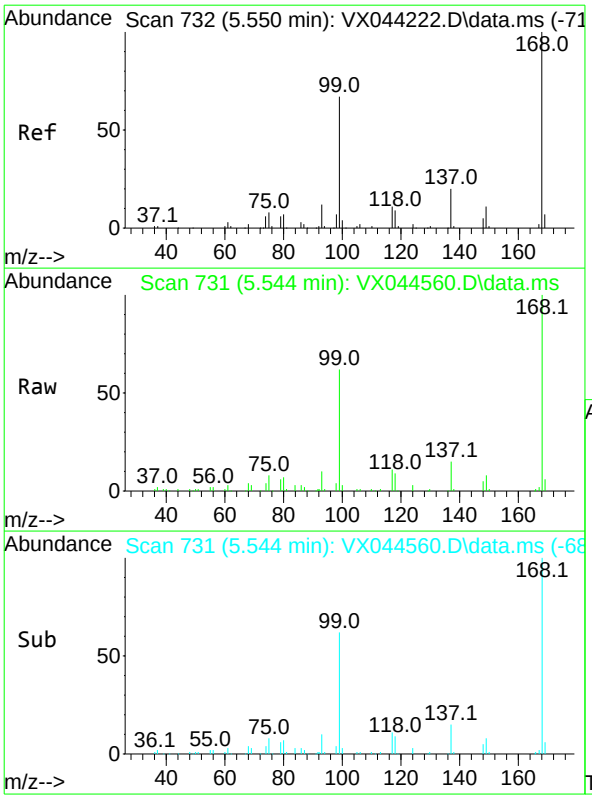
Sample Results: **VX044560.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044560.D
Acq On : 30 Dec 2024 21:34
Operator : JC/MD
Sample : P5376-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01S-20241219

Quant Time: Dec 31 00:39:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



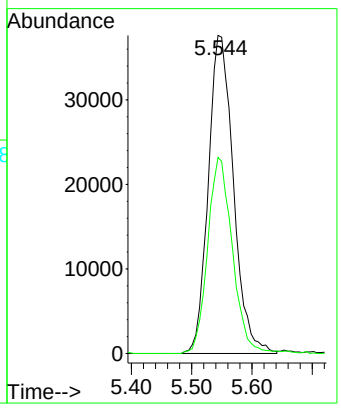


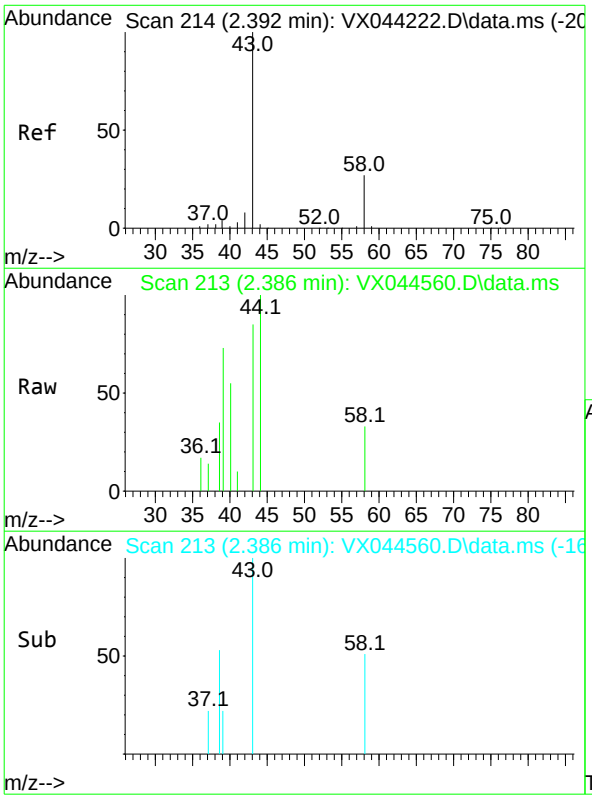
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044560.D
Acq: 30 Dec 2024 21:34

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01S-20241219

Tgt Ion:168 Resp: 109001

Ion	Ratio	Lower	Upper
168	100		
99	61.6	53.4	80.0

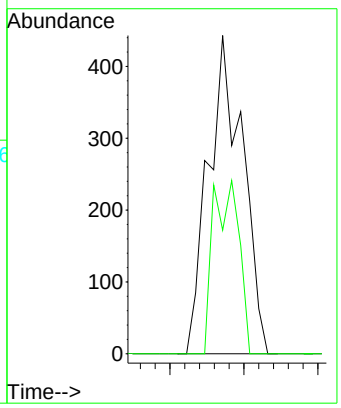


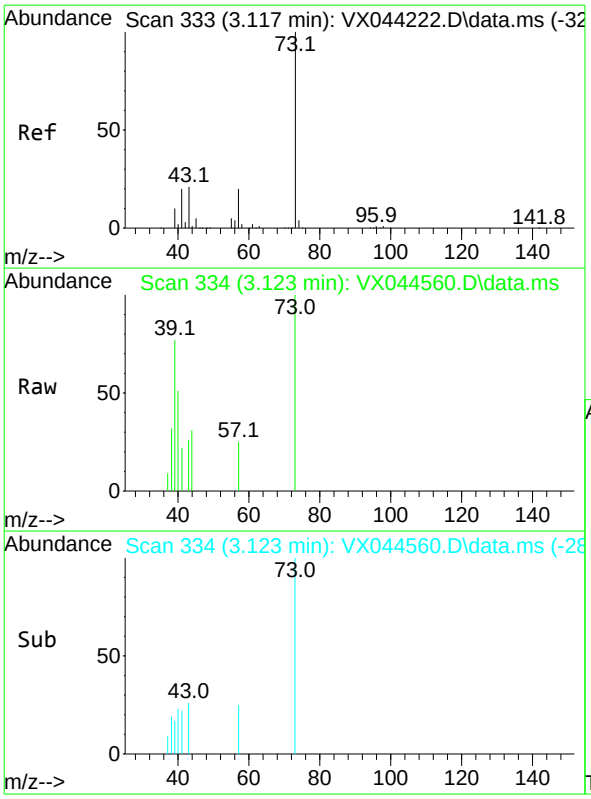


#16
Acetone
Concen: 0.918 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044560.D
Acq: 30 Dec 2024 21:34

Tgt Ion: 43 Resp: 715

Ion	Ratio	Lower	Upper
43	100		
58	38.8	21.6	32.4#



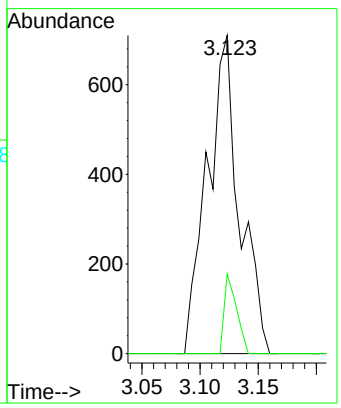


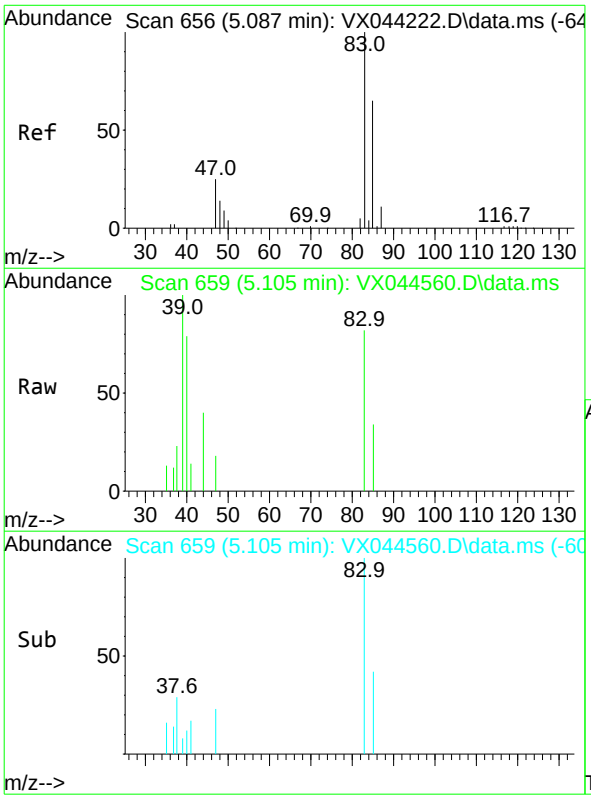
#19
Methyl tert-butyl Ether
Concen: 0.287 ug/l
RT: 3.123 min Scan# 33
Delta R.T. 0.006 min
Lab File: VX044560.D
Acq: 30 Dec 2024 21:34

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01S-20241219

Tgt Ion: 73 Resp: 1367

Ion	Ratio	Lower	Upper
73	100		
57	25.1	16.2	24.4#

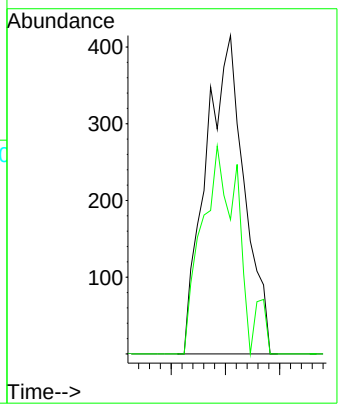


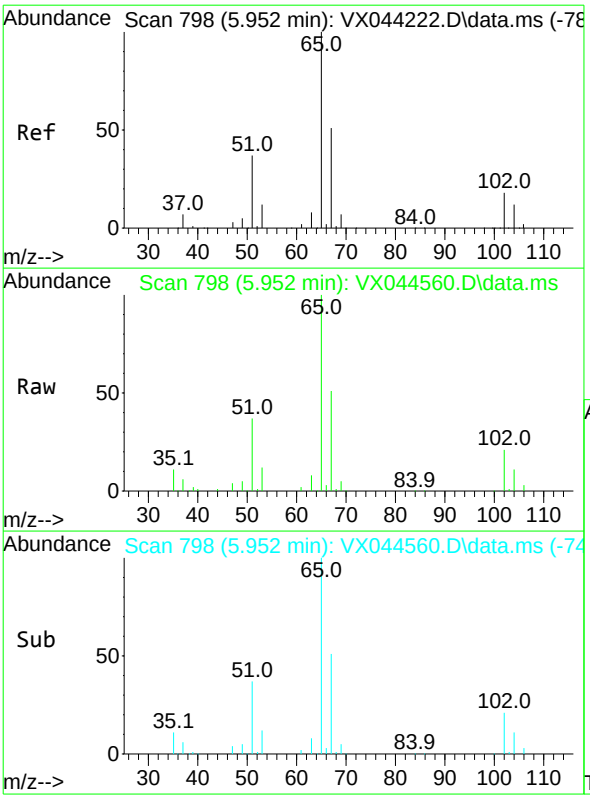


#30
Chloroform
Concen: 0.356 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.018 min
Lab File: VX044560.D
Acq: 30 Dec 2024 21:34

Tgt Ion: 83 Resp: 1022

Ion	Ratio	Lower	Upper
83	100		
85	42.2	51.6	77.4#



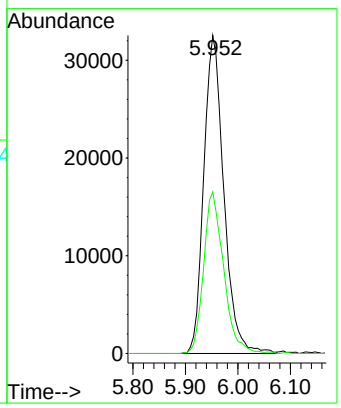


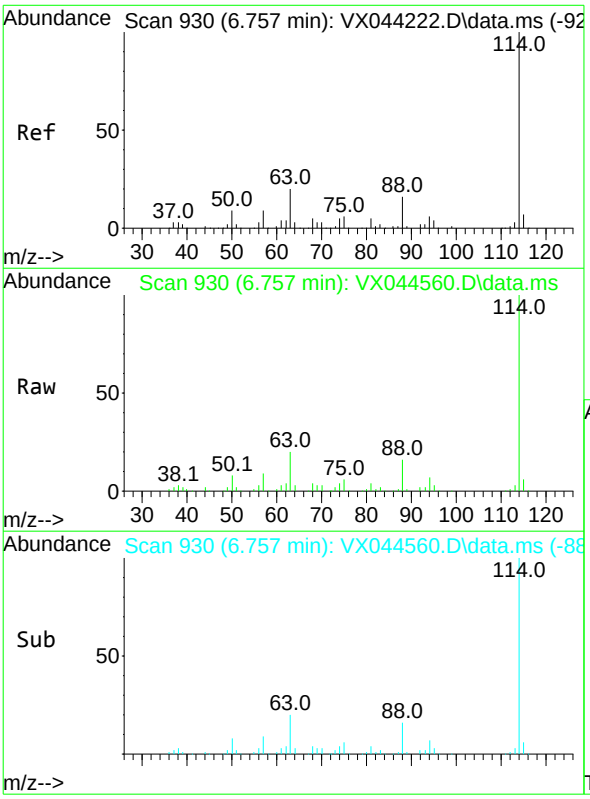
#33
1,2-Dichloroethane-d4
Concen: 45.132 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044560.D
Acq: 30 Dec 2024 21:34

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01S-20241219

Tgt Ion: 65 Resp: 86253

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	101.6

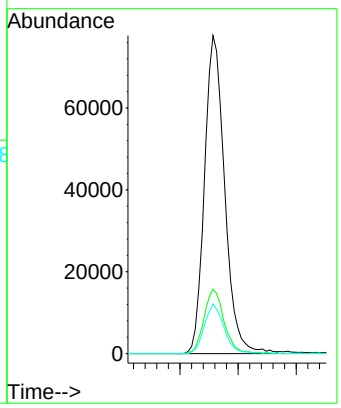


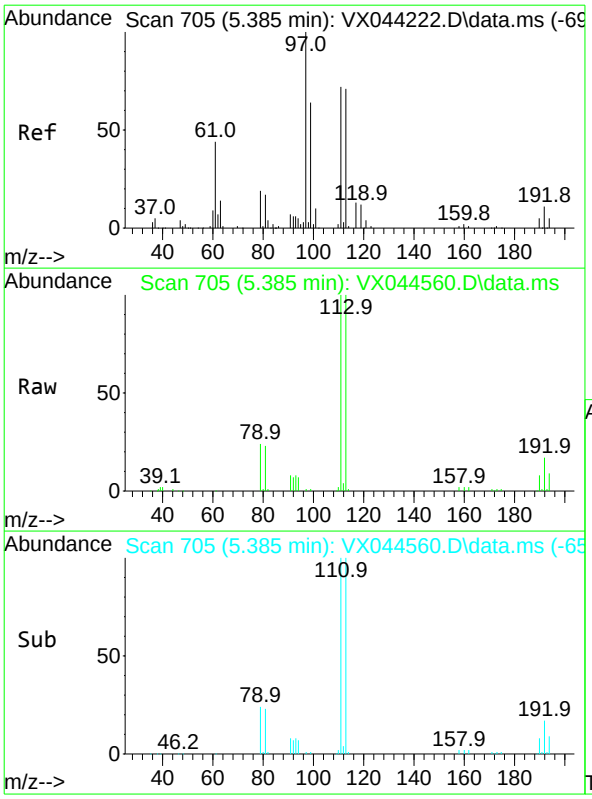


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044560.D
Acq: 30 Dec 2024 21:34

Tgt Ion:114 Resp: 187510

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.6
88	15.6	0.0	31.8



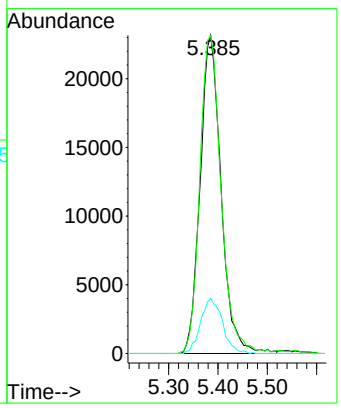


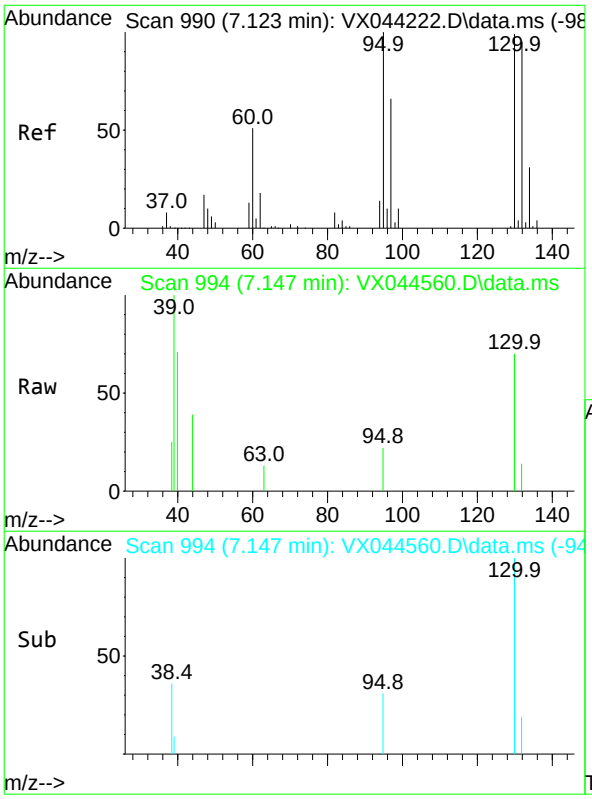
#35
Dibromofluoromethane
Concen: 52.501 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044560.D
Acq: 30 Dec 2024 21:34

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01S-20241219

Tgt Ion:113 Resp: 68182

Ion	Ratio	Lower	Upper
113	100		
111	102.0	80.4	120.6
192	18.0	13.3	19.9

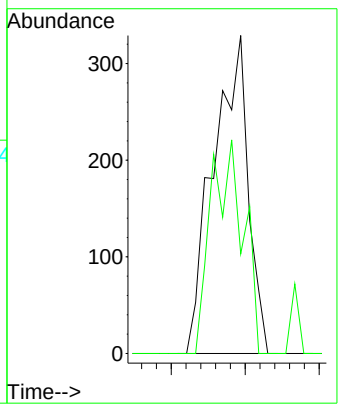


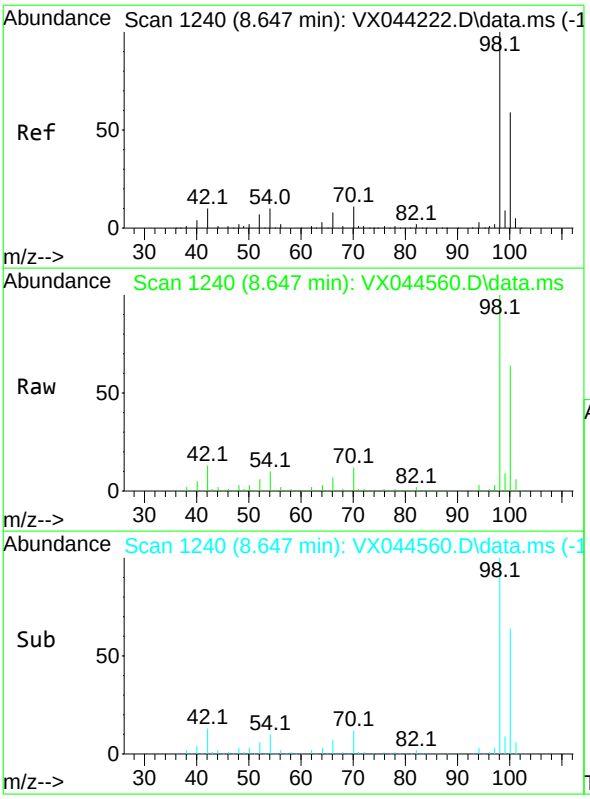


#44
Trichloroethene
Concen: 0.423 ug/l
RT: 7.147 min Scan# 994
Delta R.T. 0.024 min
Lab File: VX044560.D
Acq: 30 Dec 2024 21:34

Tgt Ion:130 Resp: 538

Ion	Ratio	Lower	Upper
130	100		
95	31.3	0.0	201.4



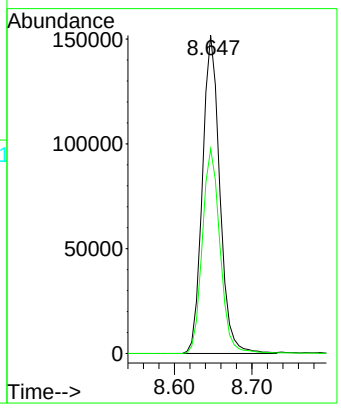


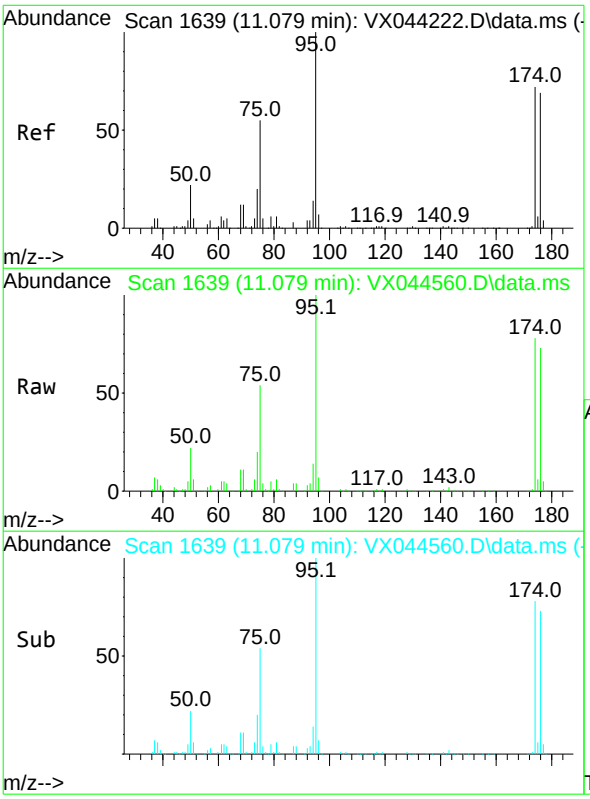
#50
Toluene-d8
Concen: 53.993 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044560.D
Acq: 30 Dec 2024 21:34

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01S-20241219

Tgt Ion: 98 Resp: 236562

Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.5	77.3

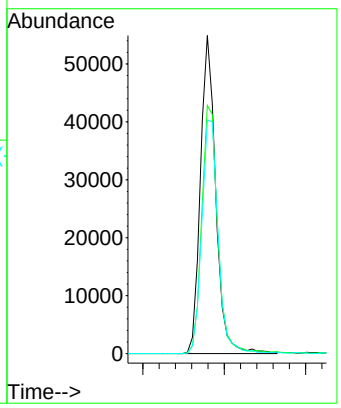


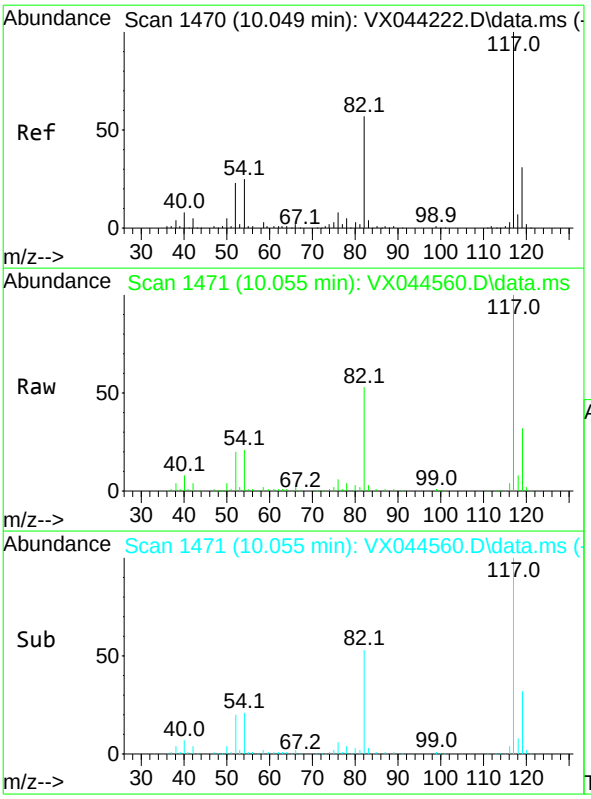


#62
4-Bromofluorobenzene
Concen: 46.905 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044560.D
Acq: 30 Dec 2024 21:34

Tgt Ion: 95 Resp: 71810

Ion	Ratio	Lower	Upper
95	100		
174	82.5	0.0	145.8
176	78.8	0.0	137.8



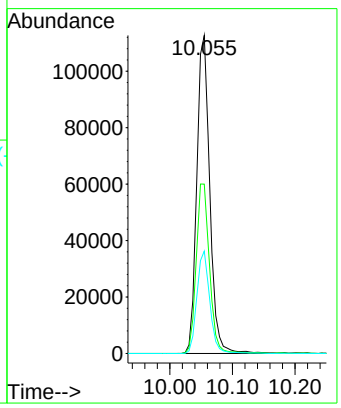


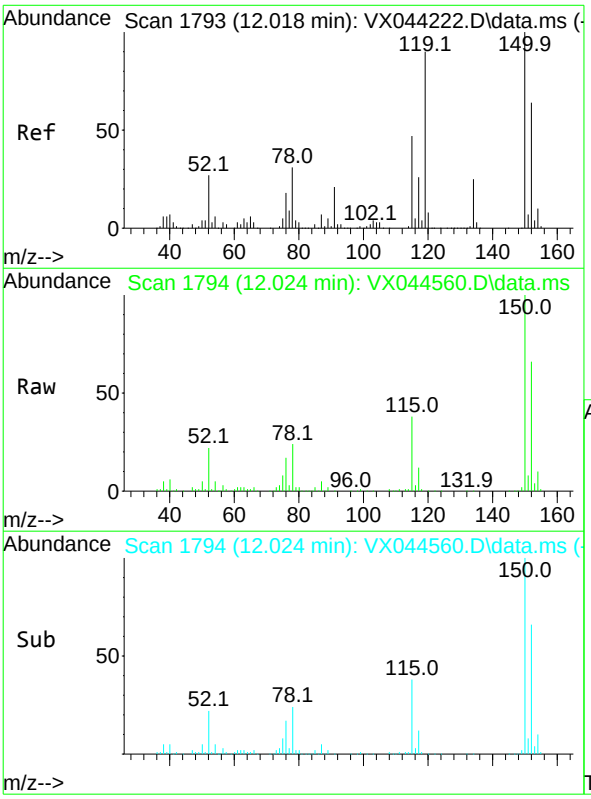
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044560.D
Acq: 30 Dec 2024 21:34

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01S-20241219

Tgt Ion:117 Resp: 162626

Ion	Ratio	Lower	Upper
117	100		
82	53.2	45.8	68.8
119	32.2	25.0	37.4

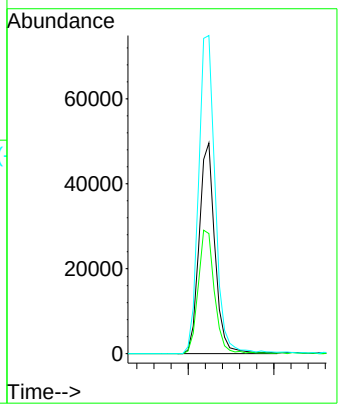




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044560.D
Acq: 30 Dec 2024 21:34

Tgt Ion:152 Resp: 63684

Ion	Ratio	Lower	Upper
152	100		
115	60.1	44.5	133.3
150	159.4	0.0	353.8



Raw Data: **VX044561.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW11-MW01I-20241219	SDG No.:	P5376
Lab Sample ID:	P5376-17	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044561.D	1		12/30/24 21:58	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.46	J	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.70	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX044561.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW11-MW01I-20241219	SDG No.:	P5376
Lab Sample ID:	P5376-17	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044561.D	1		12/30/24 21:58	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	44.3		81 - 118		89%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	52.7		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	115000	5.55				
540-36-3	1,4-Difluorobenzene	197000	6.757				
3114-55-4	Chlorobenzene-d5	174000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	75600	12.018				

Raw Data: **VX044561.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW11-MW01I-20241219	SDG No.:	P5376
Lab Sample ID:	P5376-17	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044561.D	1		12/30/24 21:58	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (LSC Reviewed)

Sample Results: **VX044561.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044561.D
Acq On : 30 Dec 2024 21:58
Operator : JC/MD
Sample : P5376-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01I-20241219

Quant Time: Dec 31 00:39:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	114745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	197414	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	174241	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	75591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89076	44.276	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 88.560%			
35) Dibromofluoromethane	5.385	113	70150	51.307	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.620%			
50) Toluene-d8	8.647	98	243115	52.705	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.400%			
62) 4-Bromofluorobenzene	11.079	95	78894	48.947	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.900%			
Target Compounds						Qvalue
3) Chloromethane	1.301	50	788	0.464	ug/l	97
16) Acetone	2.386	43	1381	1.684	ug/l #	87
20) Methylene Chloride	2.782	84	410	0.266	ug/l #	71

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

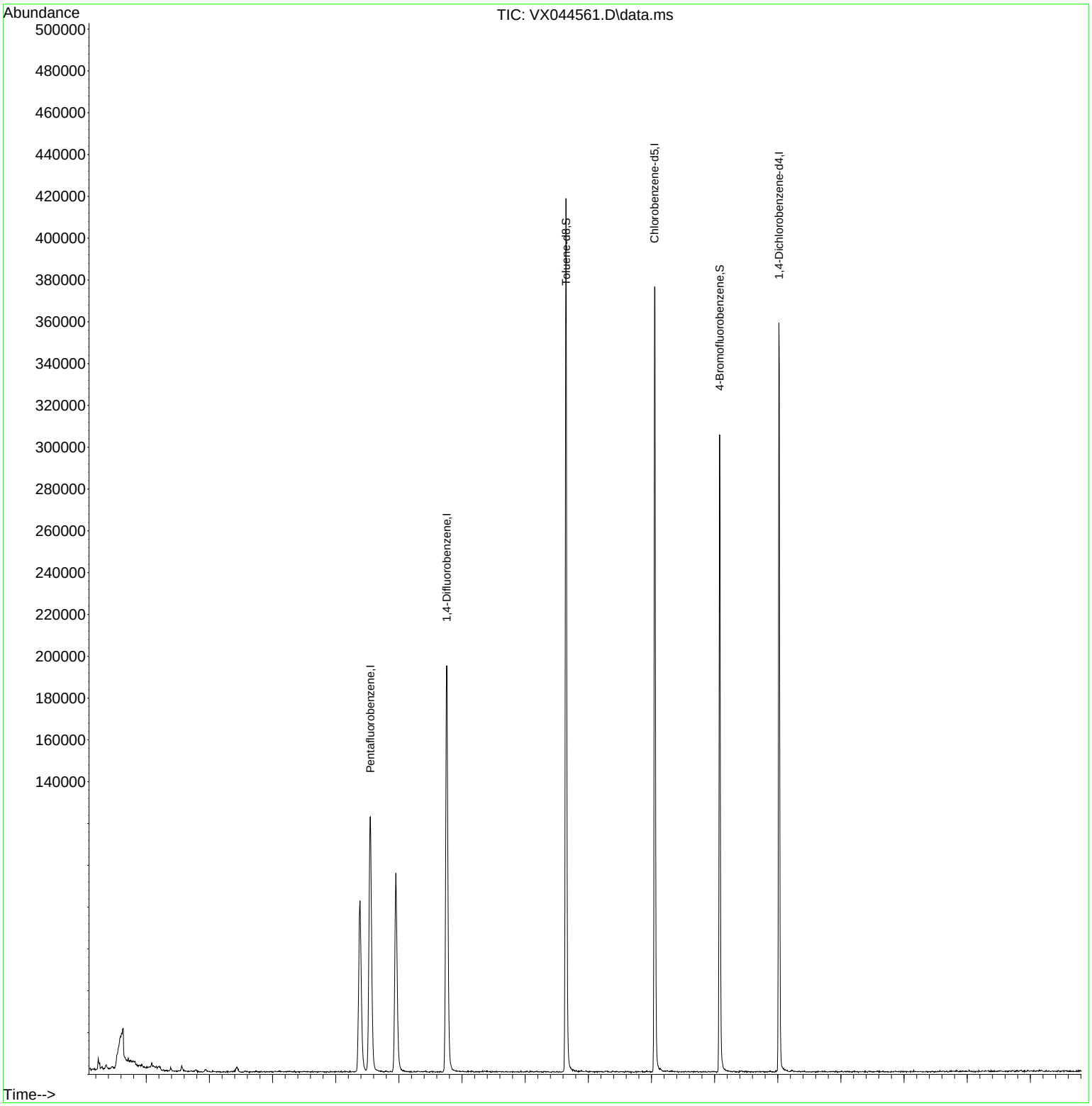
Quantitation Report (LSC Reviewed)

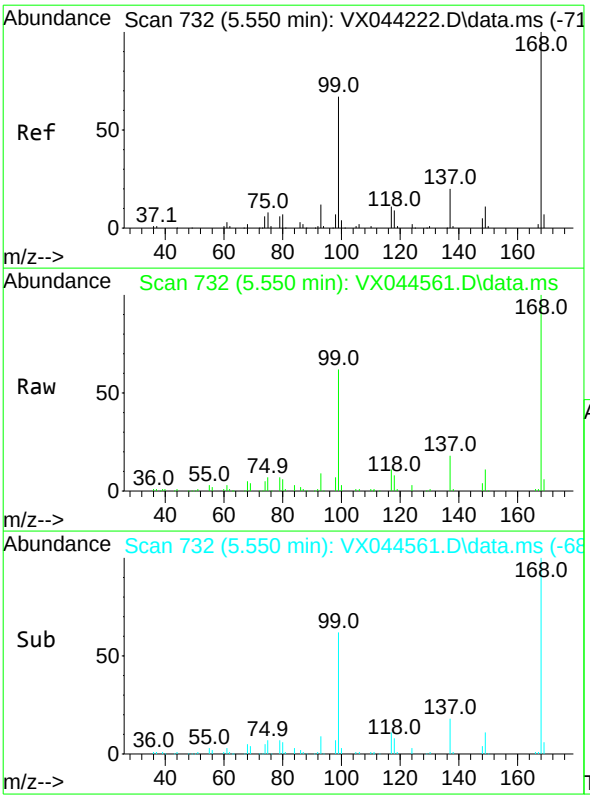
Sample Results: **VX044561.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044561.D
Acq On : 30 Dec 2024 21:58
Operator : JC/MD
Sample : P5376-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01I-20241219

Quant Time: Dec 31 00:39:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



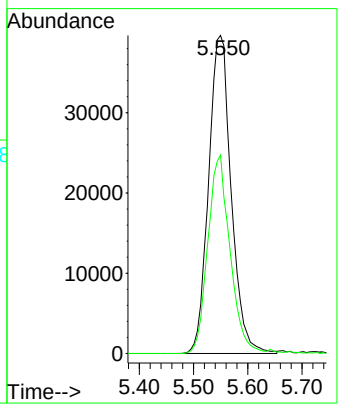


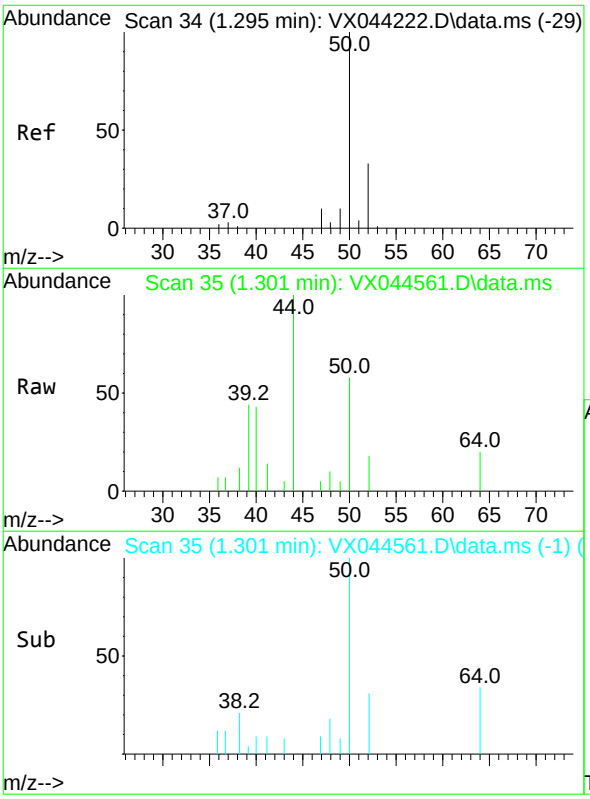
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044561.D
Acq: 30 Dec 2024 21:58

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01I-20241219

Tgt Ion:168 Resp: 114745

Ion	Ratio	Lower	Upper
168	100		
99	62.4	53.4	80.0

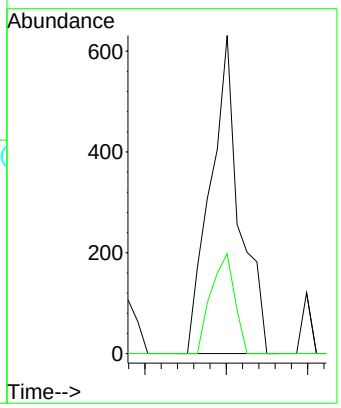


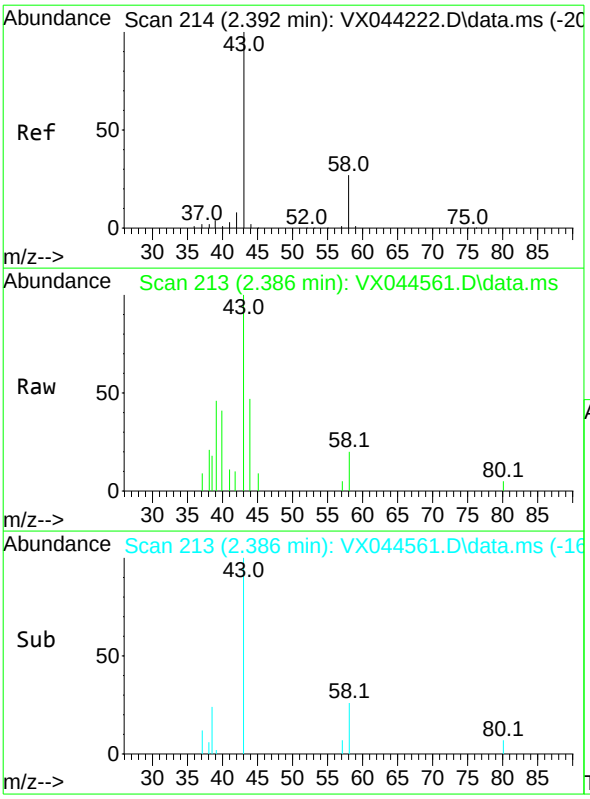


#3
Chloromethane
Concen: 0.464 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX044561.D
Acq: 30 Dec 2024 21:58

Tgt Ion: 50 Resp: 788

Ion	Ratio	Lower	Upper
50	100		
52	31.4	26.5	39.7



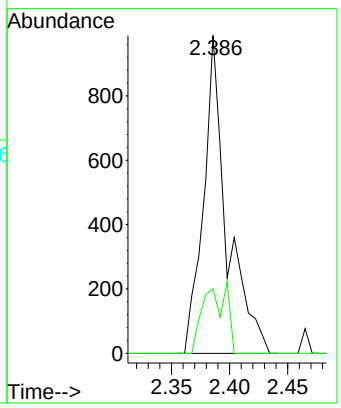


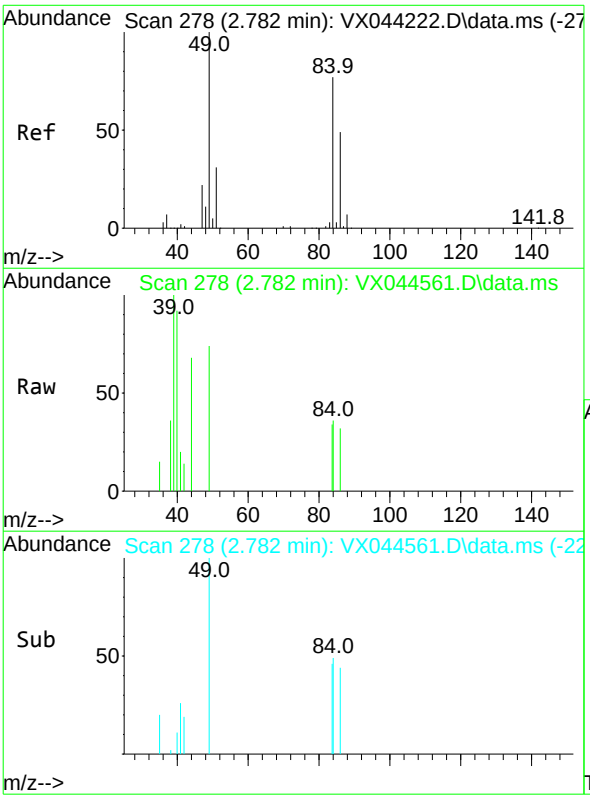
#16
Acetone
Concen: 1.684 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX044561.D
Acq: 30 Dec 2024 21:58

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01I-20241219

Tgt Ion: 43 Resp: 1381

Ion	Ratio	Lower	Upper
43	100		
58	20.3	21.6	32.4#

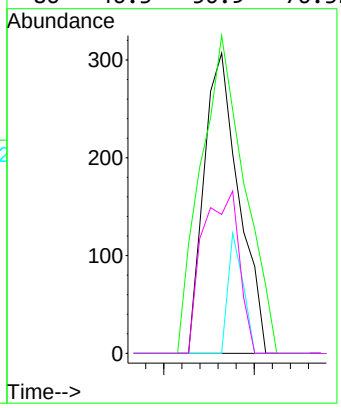


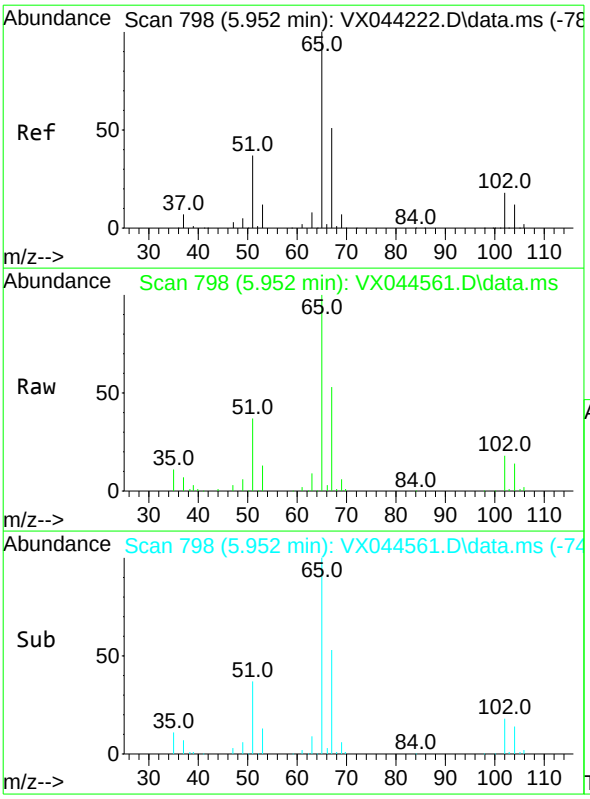


#20
Methylene Chloride
Concen: 0.266 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044561.D
Acq: 30 Dec 2024 21:58

Tgt Ion: 84 Resp: 410

Ion	Ratio	Lower	Upper
84	100		
49	105.9	104.2	156.4
51	0.0	32.2	48.4#
86	46.3	50.9	76.3#



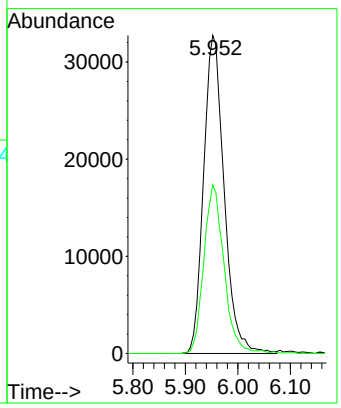


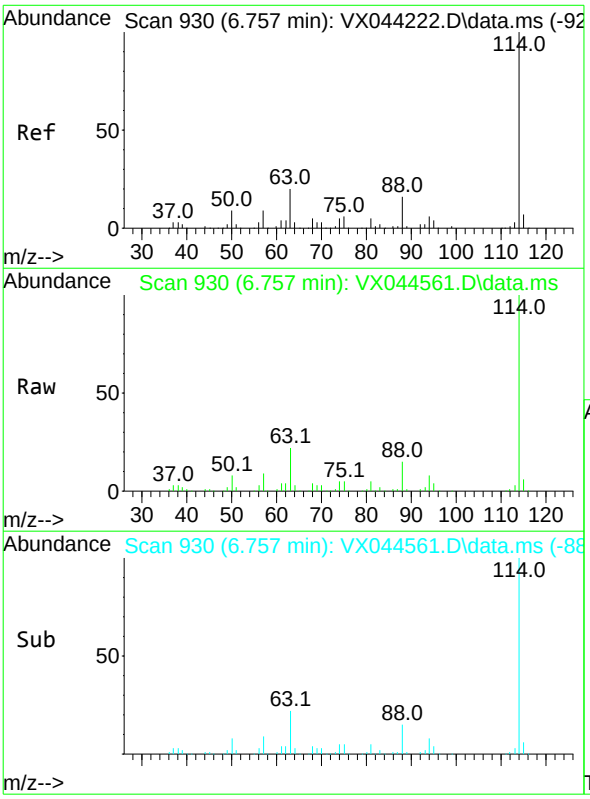
#33
1,2-Dichloroethane-d4
Concen: 44.276 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044561.D
Acq: 30 Dec 2024 21:58

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01I-20241219

Tgt Ion: 65 Resp: 89076

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	101.6

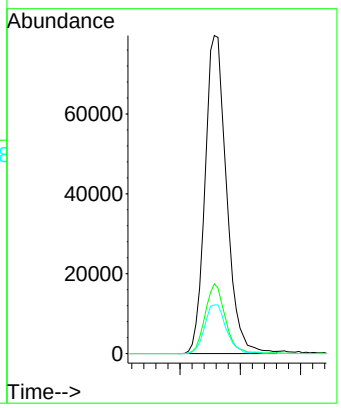


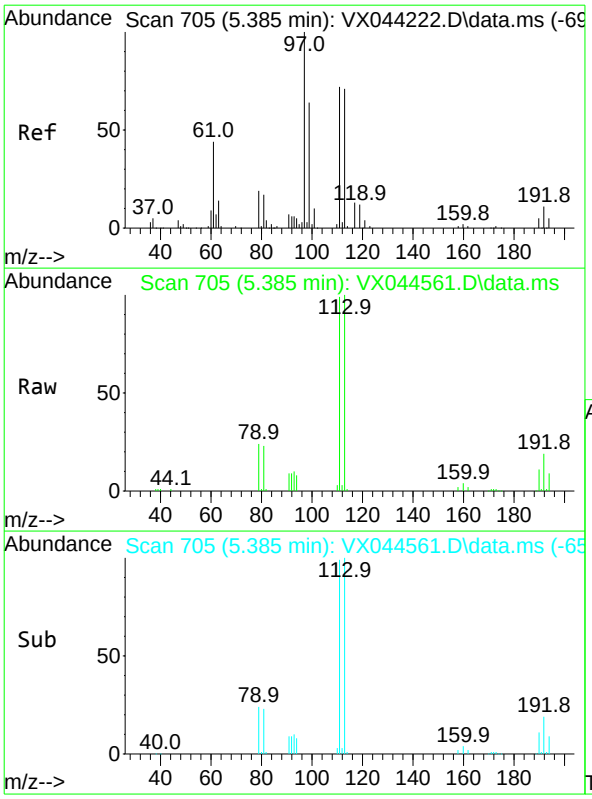


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044561.D
Acq: 30 Dec 2024 21:58

Tgt Ion:114 Resp: 197414

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	40.6
88	15.3	0.0	31.8



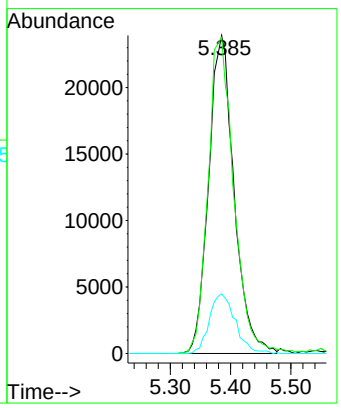


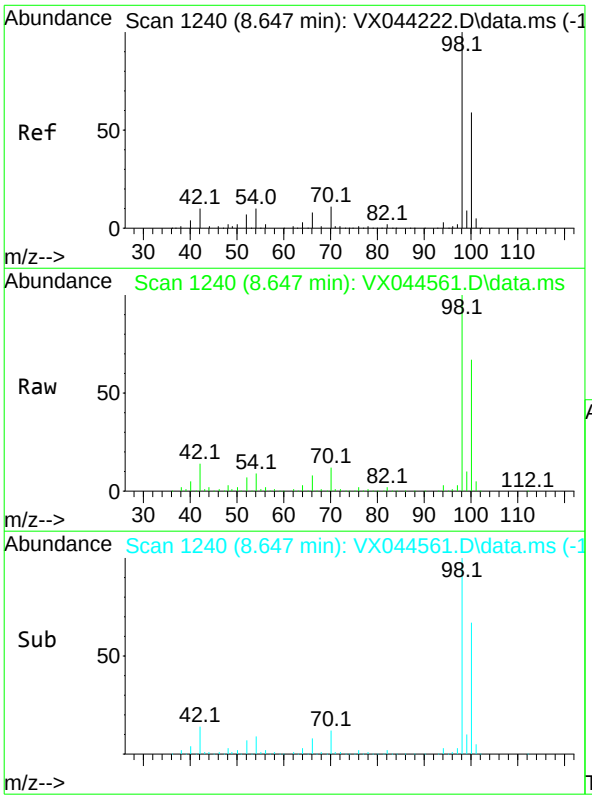
#35
Dibromofluoromethane
Concen: 51.307 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044561.D
Acq: 30 Dec 2024 21:58

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01I-20241219

Tgt Ion:113 Resp: 70150

Ion	Ratio	Lower	Upper
113	100		
111	101.3	80.4	120.6
192	19.1	13.3	19.9

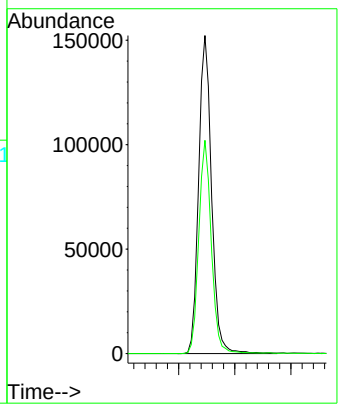


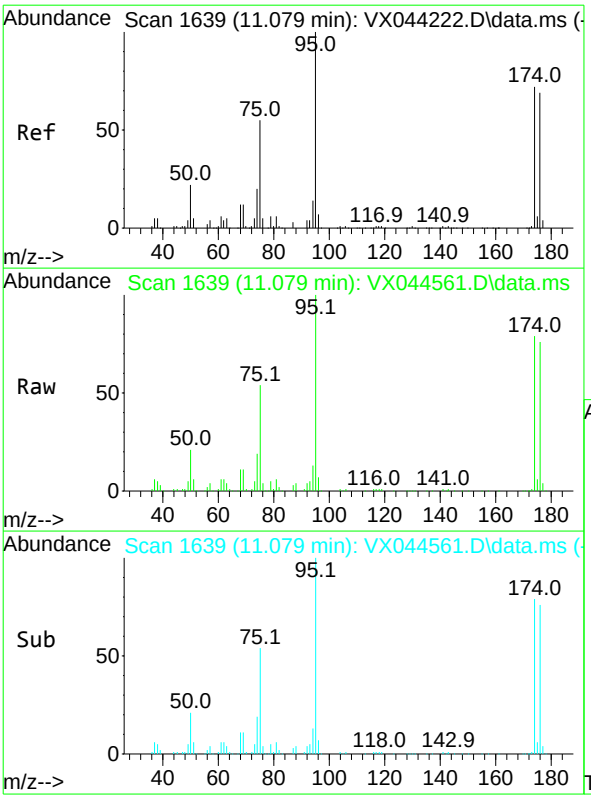


#50
Toluene-d8
Concen: 52.705 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044561.D
Acq: 30 Dec 2024 21:58

Tgt Ion: 98 Resp: 243115

Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.5	77.3



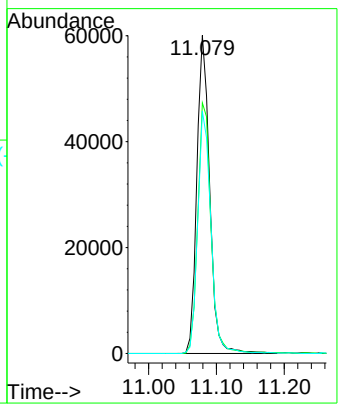


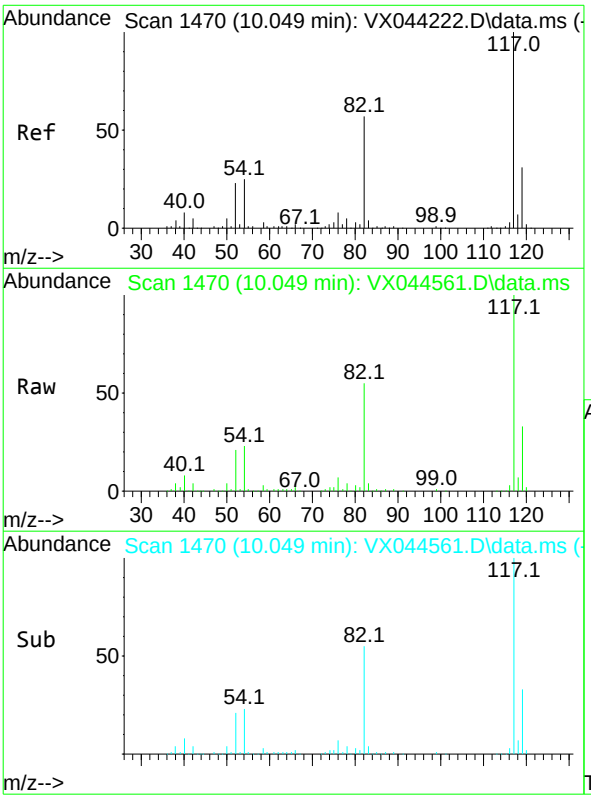
#62
4-Bromofluorobenzene
Concen: 48.947 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044561.D
Acq: 30 Dec 2024 21:58

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01I-20241219

Tgt Ion: 95 Resp: 78894

Ion	Ratio	Lower	Upper
95	100		
174	80.9	0.0	145.8
176	78.1	0.0	137.8

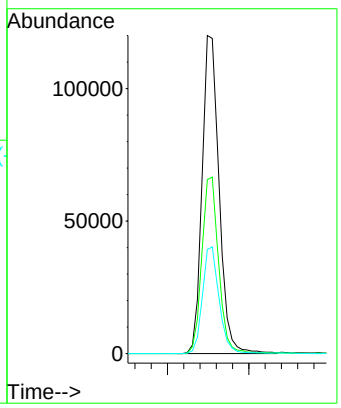


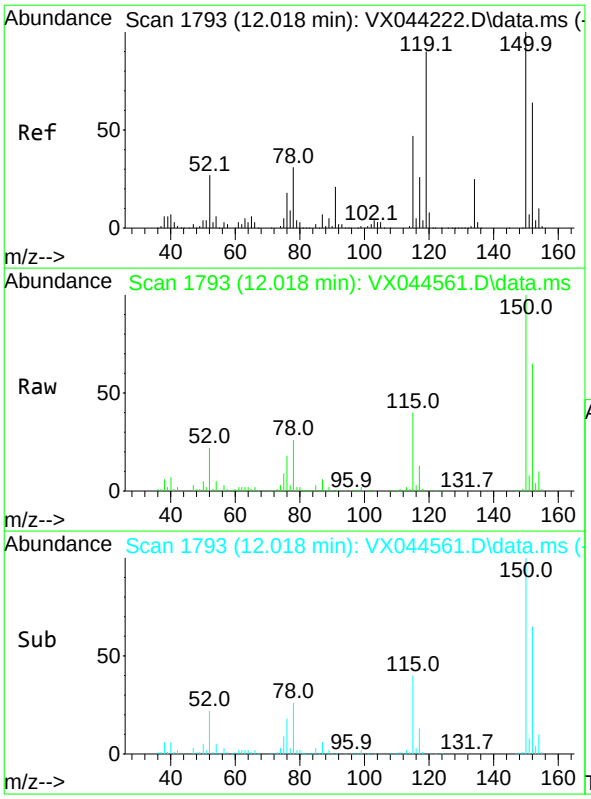


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044561.D
Acq: 30 Dec 2024 21:58

Tgt Ion:117 Resp: 174241

Ion	Ratio	Lower	Upper
117	100		
82	54.7	45.8	68.8
119	32.7	25.0	37.4



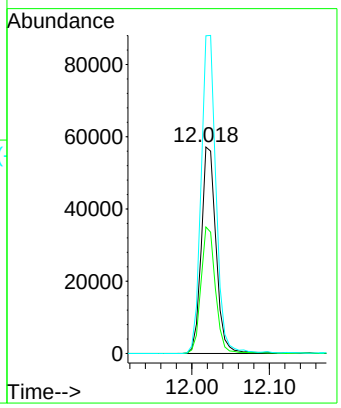


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044561.D
Acq: 30 Dec 2024 21:58

Instrument :
MSVOA_X
ClientSampleId :
RW11-MW01I-20241219

Tgt Ion:152 Resp: 75591

Ion	Ratio	Lower	Upper
152	100		
115	60.5	44.5	133.3
150	155.2	0.0	353.8



Raw Data: **VX044562.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT119S1-20241219	SDG No.:	P5376
Lab Sample ID:	P5376-18	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044562.D	1		12/30/24 22:21	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	2.00		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX044562.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT119S1-20241219	SDG No.:	P5376
Lab Sample ID:	P5376-18	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044562.D	1		12/30/24 22:21	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	J	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.0		81 - 118		90%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	52.7		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		85 - 114		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	119000	5.55				
540-36-3	1,4-Difluorobenzene	212000	6.757				
3114-55-4	Chlorobenzene-d5	186000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	75300	12.018				

Raw Data: **VX044562.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT119S1-20241219	SDG No.:	P5376
Lab Sample ID:	P5376-18	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044562.D	1		12/30/24 22:21	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (LSC Reviewed)

Sample Results: **VX044562.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044562.D
Acq On : 30 Dec 2024 22:21
Operator : JC/MD
Sample : P5376-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT119S1-20241219

Quant Time: Dec 31 00:40:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	119469	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	211589	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	75337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	94325	45.031	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.060%			
35) Dibromofluoromethane	5.385	113	73762	50.334	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.660%			
50) Toluene-d8	8.647	98	260390	52.668	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.340%			
62) 4-Bromofluorobenzene	11.079	95	83857	48.541	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.080%			
Target Compounds						Qvalue
16) Acetone	2.380	43	969	1.135	ug/l	90
44) Trichloroethene	7.129	130	2900	2.022	ug/l	62
64) Tetrachloroethene	9.275	164	620	0.503	ug/l #	76

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

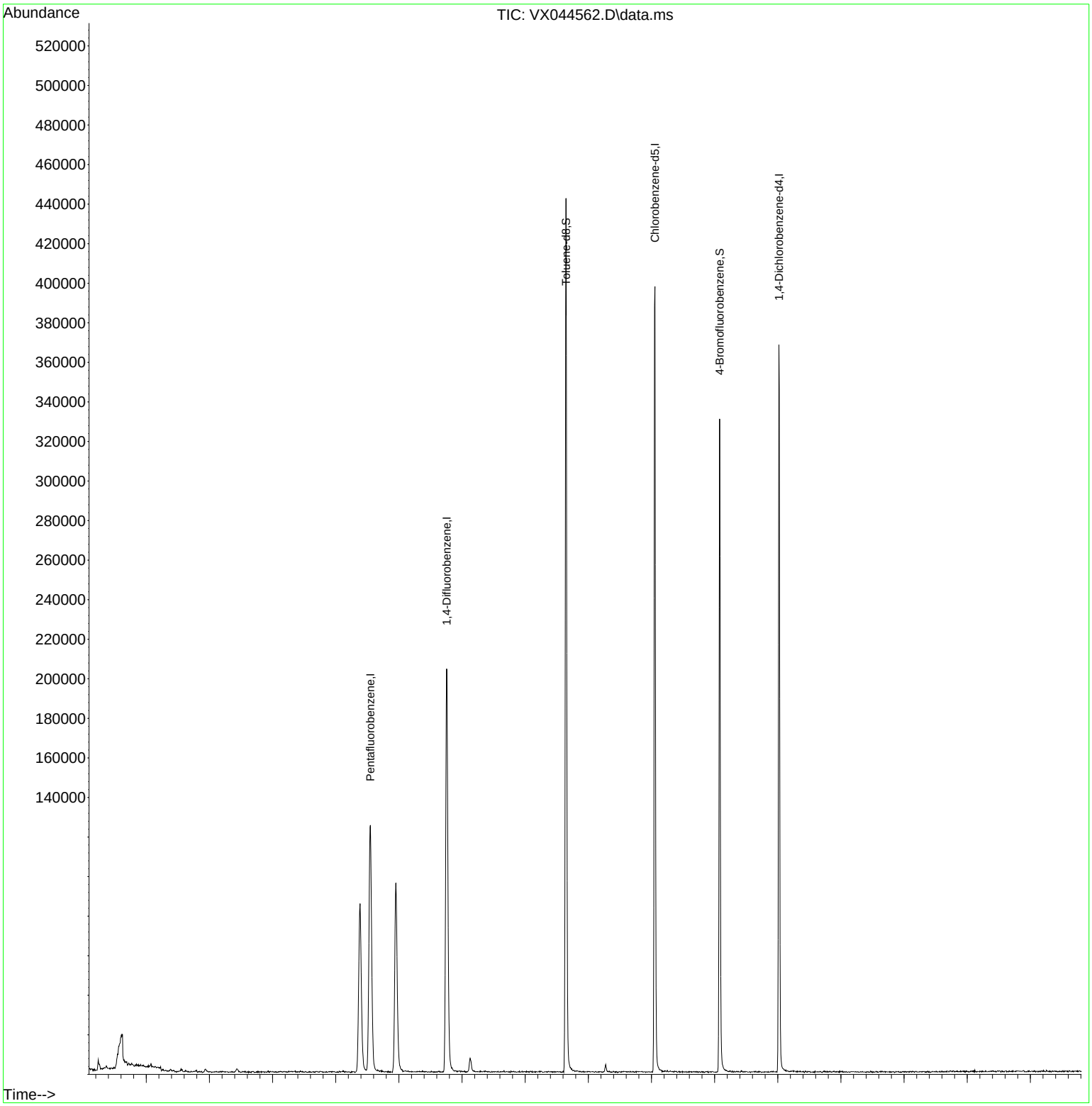
Quantitation Report (LSC Reviewed)

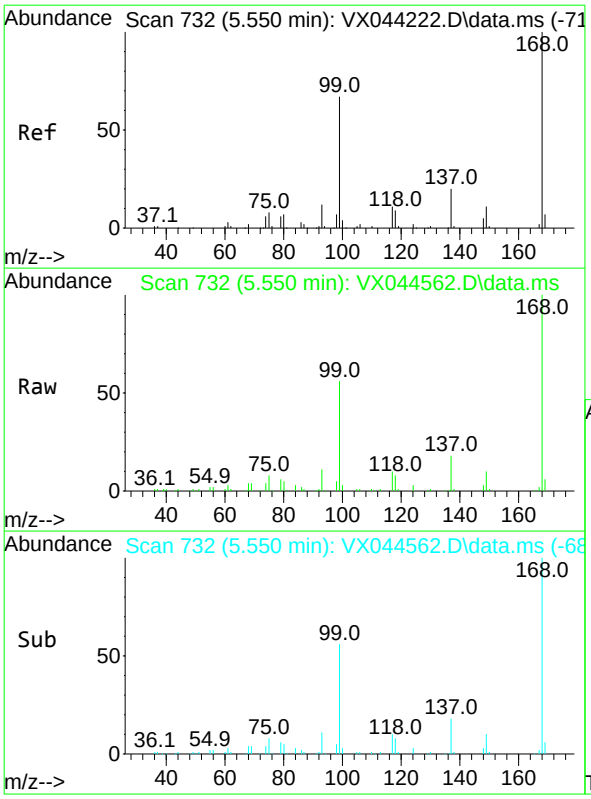
Sample Results: **VX044562.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044562.D
Acq On : 30 Dec 2024 22:21
Operator : JC/MD
Sample : P5376-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT119S1-20241219

Quant Time: Dec 31 00:40:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



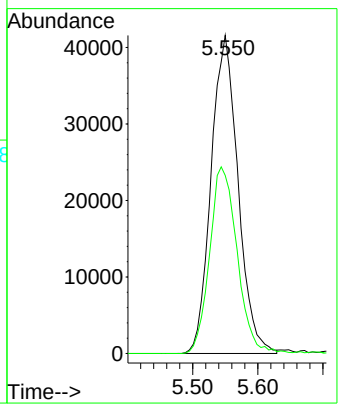


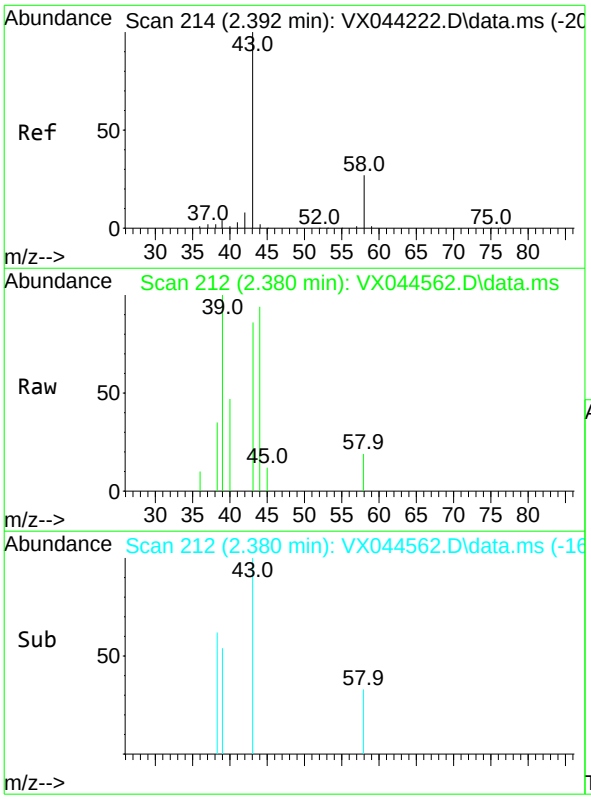
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044562.D
Acq: 30 Dec 2024 22:21

Instrument :
MSVOA_X
ClientSampleId :
TT119S1-20241219

Tgt Ion:168 Resp: 119469

Ion	Ratio	Lower	Upper
168	100		
99	56.0	53.4	80.0

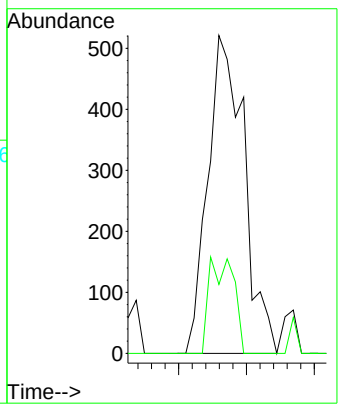


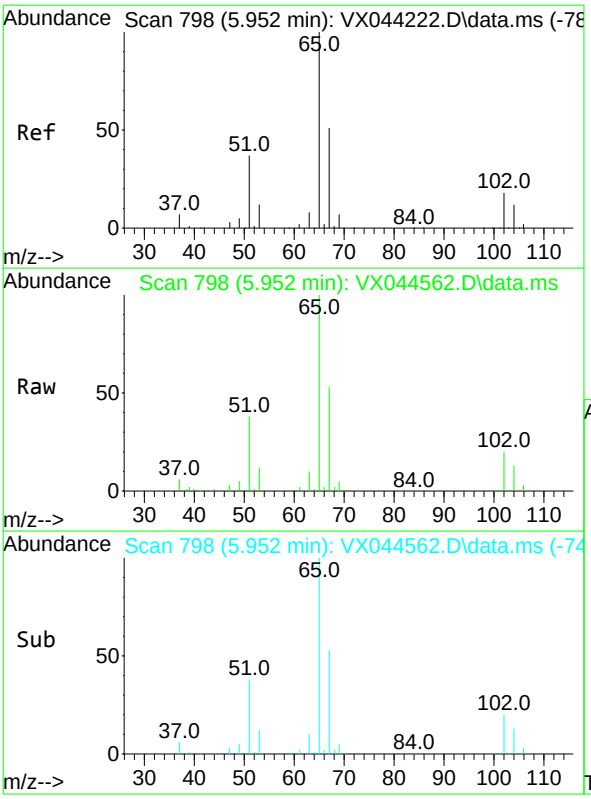


#16
Acetone
Concen: 1.135 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX044562.D
Acq: 30 Dec 2024 22:21

Tgt Ion: 43 Resp: 969

Ion	Ratio	Lower	Upper
43	100		
58	21.7	21.6	32.4



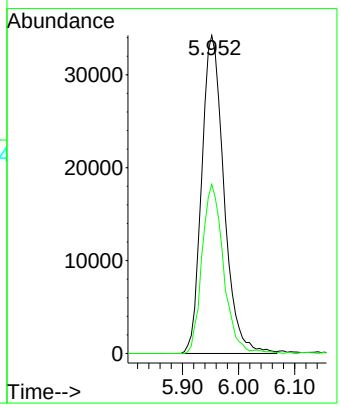


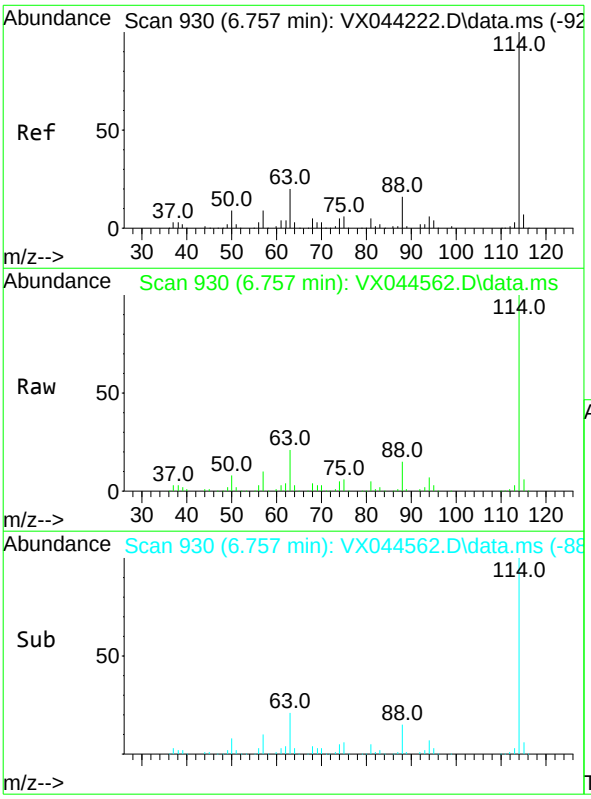
#33
1,2-Dichloroethane-d4
Concen: 45.031 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044562.D
Acq: 30 Dec 2024 22:21

Instrument :
MSVOA_X
ClientSampleId :
TT119S1-20241219

Tgt Ion: 65 Resp: 94325

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	101.6

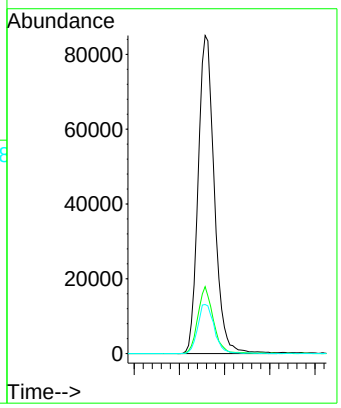


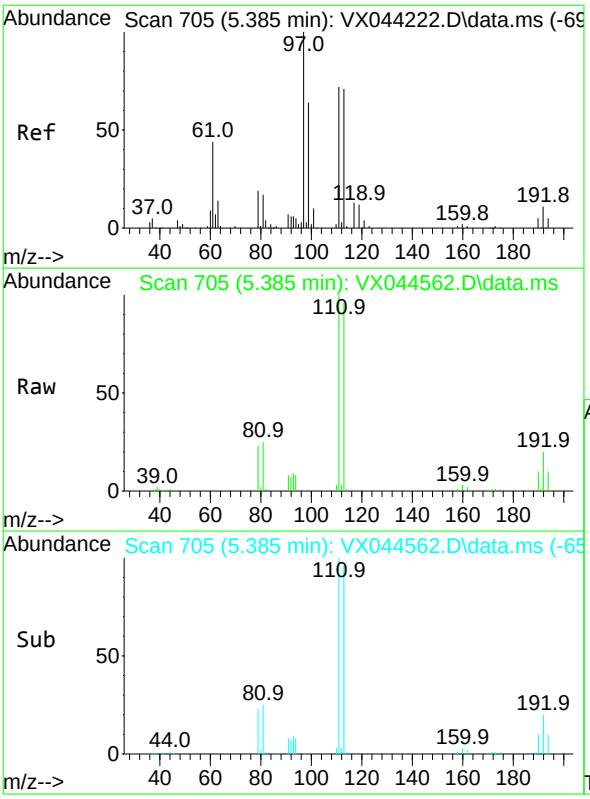


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044562.D
Acq: 30 Dec 2024 22:21

Tgt Ion:114 Resp: 211589

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	40.6
88	15.4	0.0	31.8



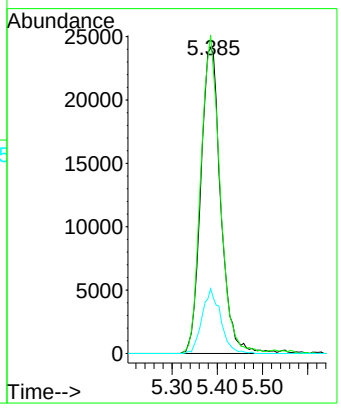


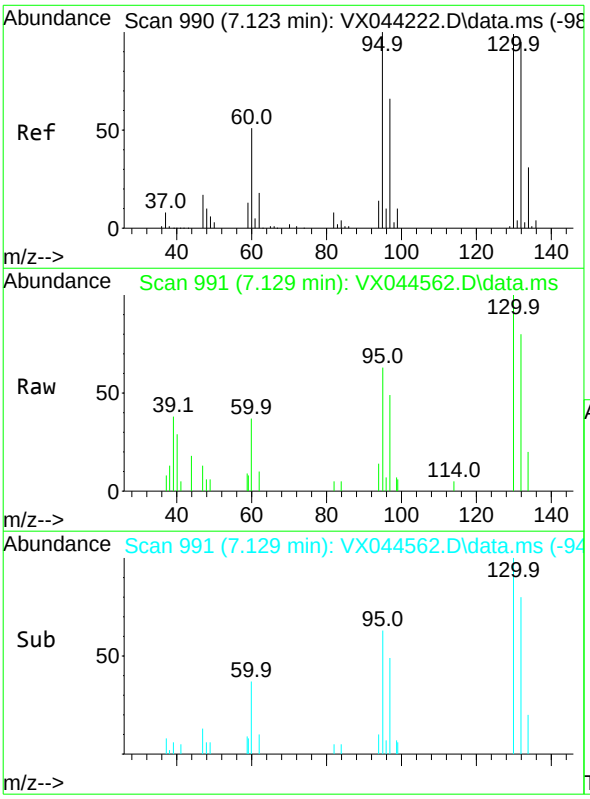
#35
Dibromofluoromethane
Concen: 50.334 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044562.D
Acq: 30 Dec 2024 22:21

Instrument :
MSVOA_X
ClientSampleId :
TT119S1-20241219

Tgt Ion:113 Resp: 73762

Ion	Ratio	Lower	Upper
113	100		
111	100.8	80.4	120.6
192	19.7	13.3	19.9

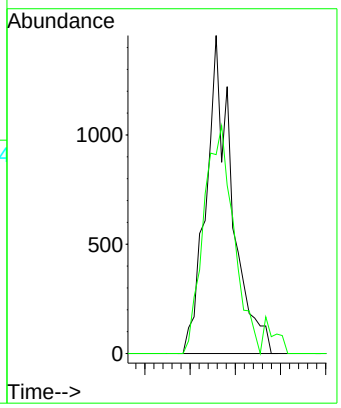


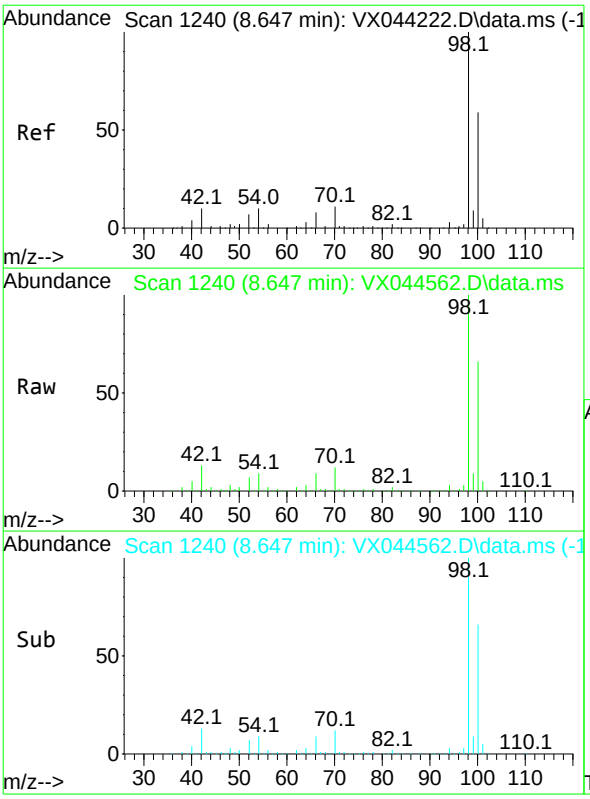


#44
Trichloroethene
Concen: 2.022 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX044562.D
Acq: 30 Dec 2024 22:21

Tgt Ion:130 Resp: 2900

Ion	Ratio	Lower	Upper
130	100		
95	62.5	0.0	201.4



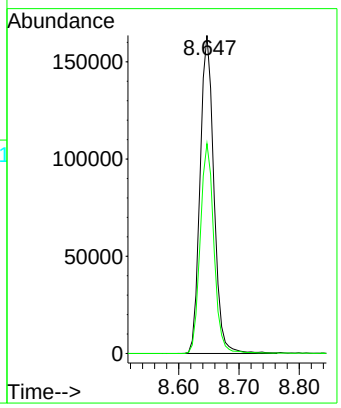


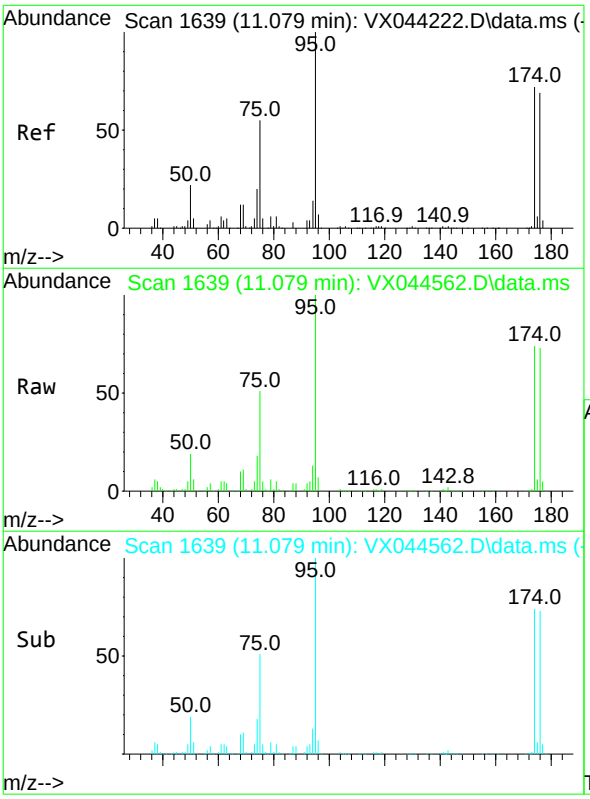
#50
Toluene-d8
Concen: 52.668 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044562.D
Acq: 30 Dec 2024 22:21

Instrument :
MSVOA_X
ClientSampleId :
TT119S1-20241219

Tgt Ion: 98 Resp: 260390

Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.5	77.3

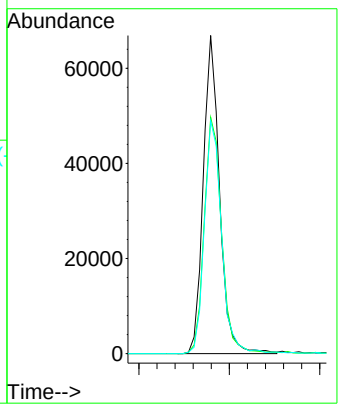


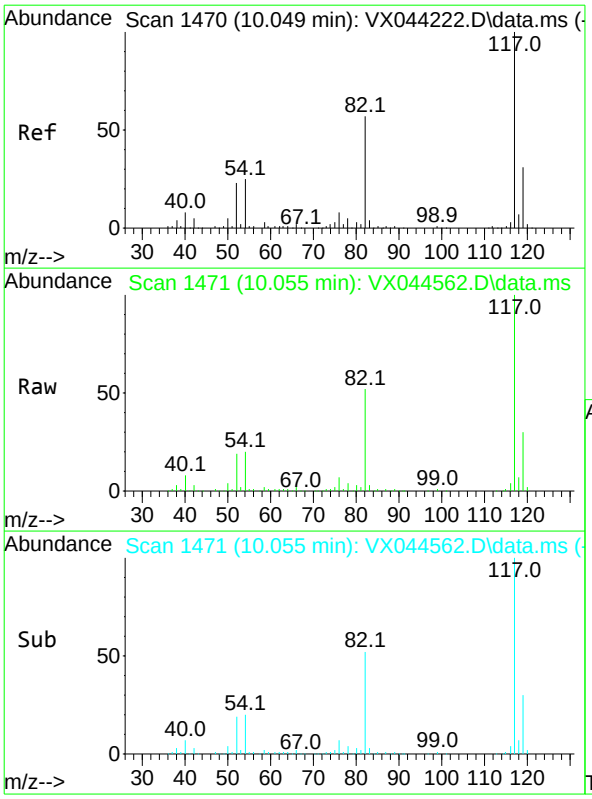


#62
4-Bromofluorobenzene
Concen: 48.541 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044562.D
Acq: 30 Dec 2024 22:21

Tgt Ion: 95 Resp: 83857

Ion	Ratio	Lower	Upper
95	100		
174	79.2	0.0	145.8
176	77.7	0.0	137.8



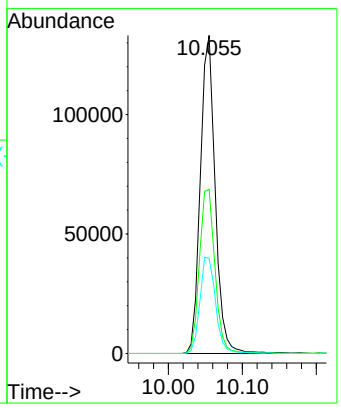


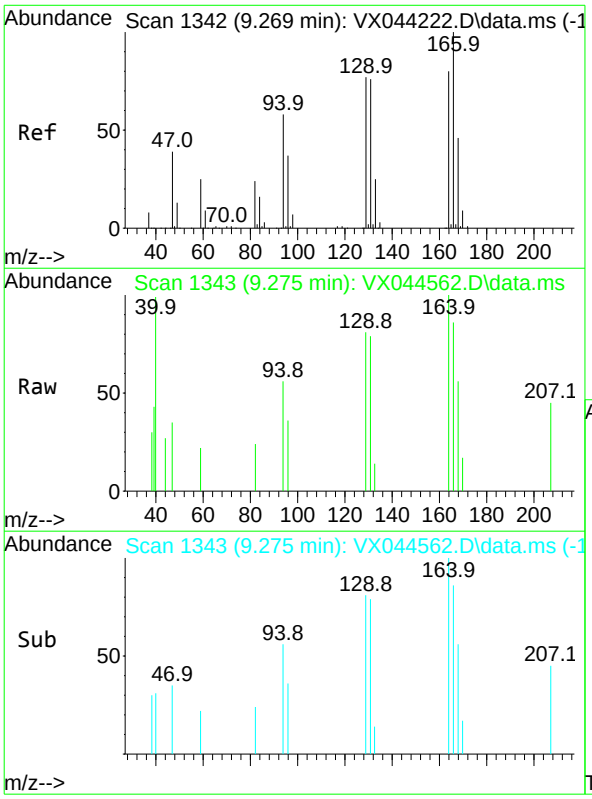
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044562.D
Acq: 30 Dec 2024 22:21

Instrument :
MSVOA_X
ClientSampleId :
TT119S1-20241219

Tgt Ion:117 Resp: 185760

Ion	Ratio	Lower	Upper
117	100		
82	51.6	45.8	68.8
119	29.9	25.0	37.4

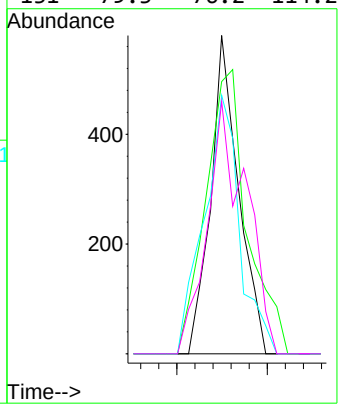


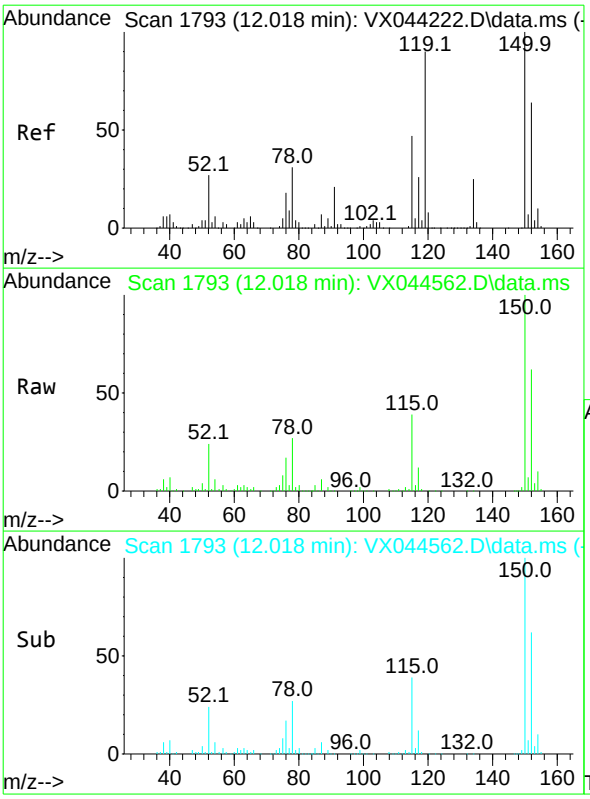


#64
Tetrachloroethene
Concen: 0.503 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044562.D
Acq: 30 Dec 2024 22:21

Tgt Ion:164 Resp: 620

Ion	Ratio	Lower	Upper
164	100		
166	85.5	100.4	150.6#
129	81.2	77.2	115.8
131	79.3	76.2	114.2



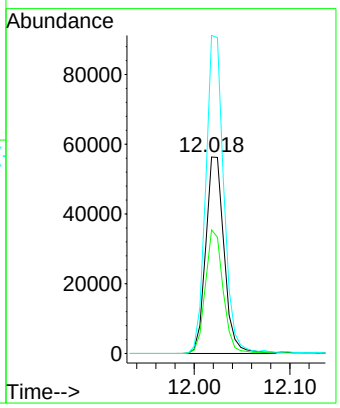


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044562.D
Acq: 30 Dec 2024 22:21

Instrument :
MSVOA_X
ClientSampleId :
TT119S1-20241219

Tgt Ion:152 Resp: 75337

Ion	Ratio	Lower	Upper
152	100		
115	60.7	44.5	133.3
150	158.7	0.0	353.8



Raw Data: **VX044575.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT188S1-20241219	SDG No.:	P5376
Lab Sample ID:	P5376-19	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044575.D	1		12/31/24 13:01	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	4.80		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX044575.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT188S1-20241219	SDG No.:	P5376
Lab Sample ID:	P5376-19	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044575.D	1		12/31/24 13:01	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.44	J	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.9		81 - 118		88%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	52.3		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	132000	5.55				
540-36-3	1,4-Difluorobenzene	227000	6.757				
3114-55-4	Chlorobenzene-d5	194000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	80700	12.018				

Raw Data: **VX044575.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TT188S1-20241219	SDG No.:	P5376
Lab Sample ID:	P5376-19	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044575.D	1		12/31/24 13:01	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Sample Results: **VX044575.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044575.D
Acq On : 31 Dec 2024 13:01
Operator : JC/MD
Sample : P5376-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT188S1-20241219

Quant Time: Jan 01 01:40:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	131976	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	226699	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	193617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	80709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	101618	43.915	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 87.820%			
35) Dibromofluoromethane	5.385	113	80175	51.064	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.120%			
50) Toluene-d8	8.647	98	277006	52.294	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.580%			
62) 4-Bromofluorobenzene	11.079	95	87553	47.302	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.600%			
Target Compounds						Qvalue
16) Acetone	2.386	43	961	1.019	ug/l	100
44) Trichloroethene	7.129	130	7445	4.845	ug/l	89
64) Tetrachloroethene	9.281	164	566	0.440	ug/l #	60

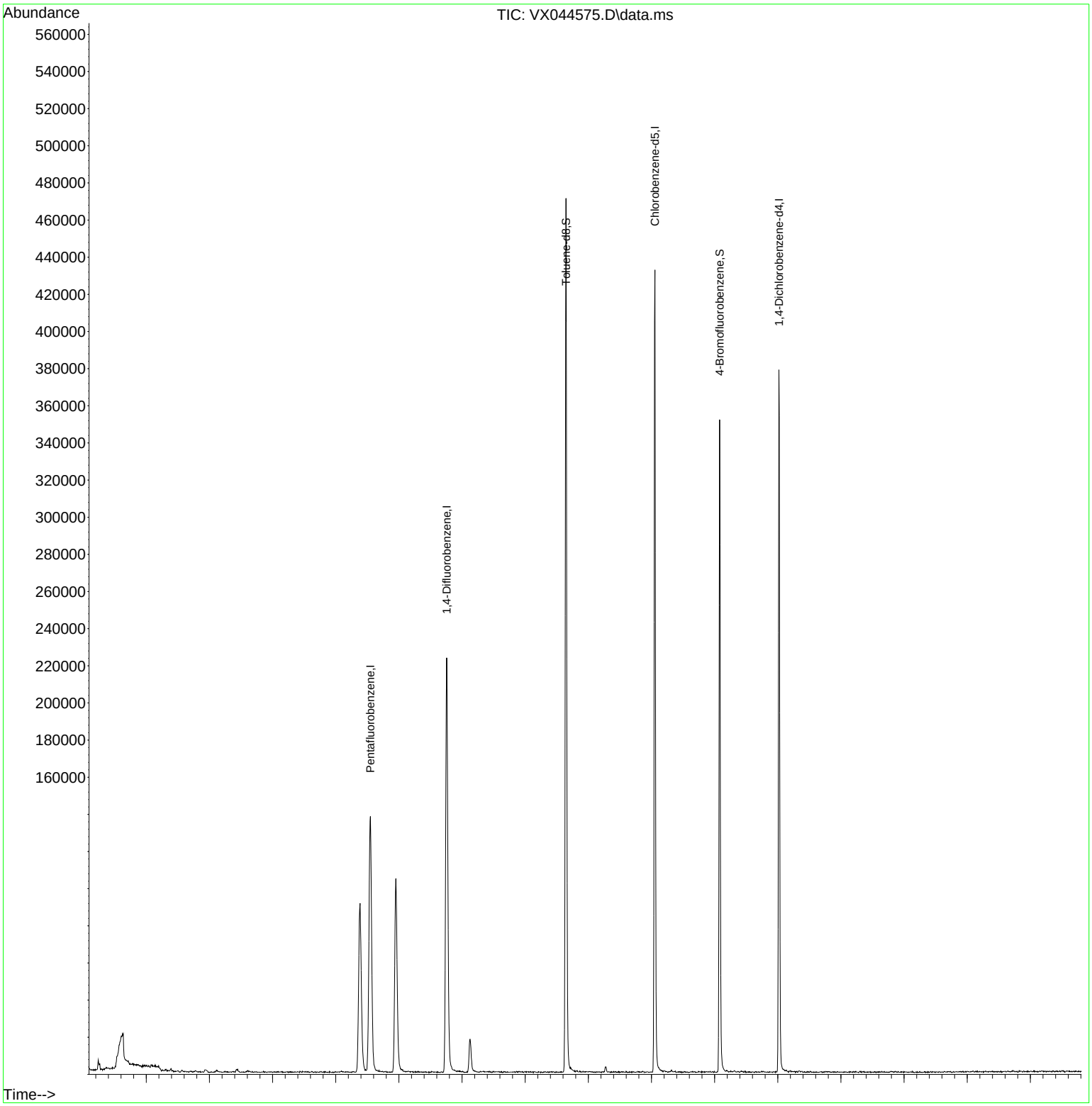
(#) = qualifier out of range (m) = manual integration (+) = signals summed

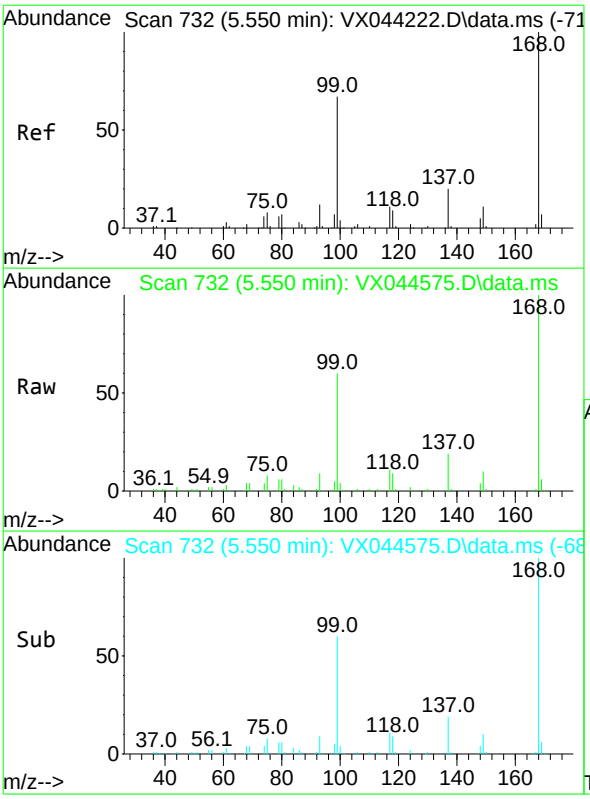
Sample Results: **VX044575.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044575.D
Acq On : 31 Dec 2024 13:01
Operator : JC/MD
Sample : P5376-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT188S1-20241219

Quant Time: Jan 01 01:40:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



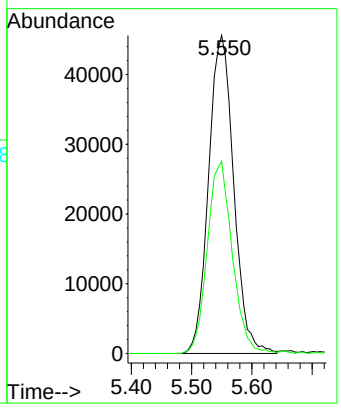


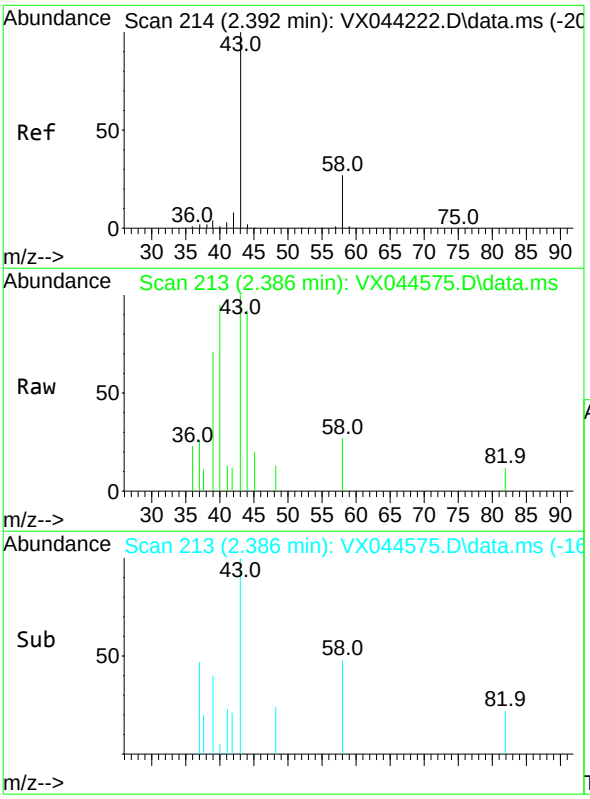
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044575.D
Acq: 31 Dec 2024 13:01

Instrument :
MSVOA_X
ClientSampleId :
TT188S1-20241219

Tgt Ion:168 Resp: 131976

Ion	Ratio	Lower	Upper
168	100		
99	60.5	53.4	80.0

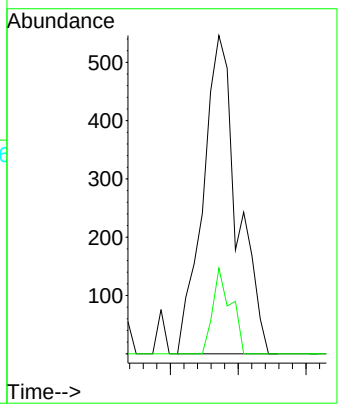


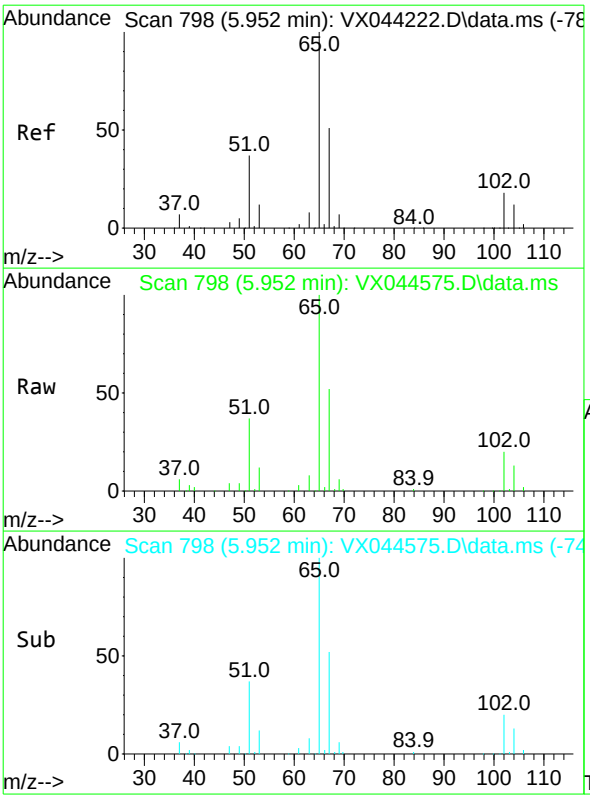


#16
Acetone
Concen: 1.019 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044575.D
Acq: 31 Dec 2024 13:01

Tgt Ion: 43 Resp: 961

Ion	Ratio	Lower	Upper
43	100		
58	26.9	21.6	32.4



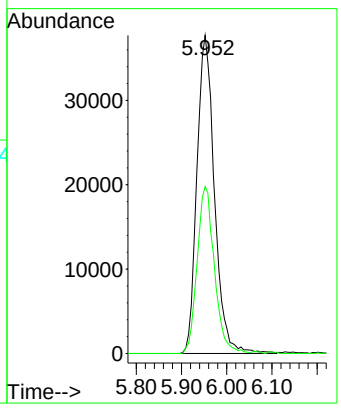


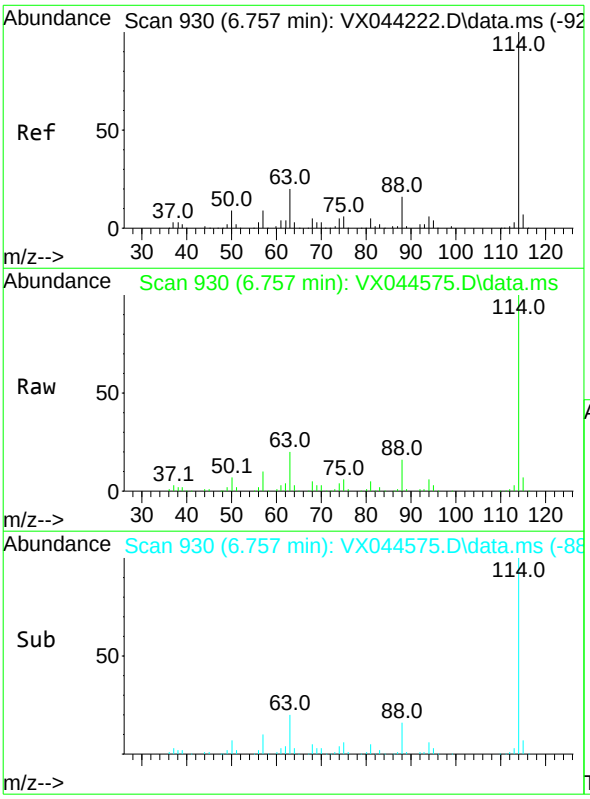
#33
1,2-Dichloroethane-d4
Concen: 43.915 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044575.D
Acq: 31 Dec 2024 13:01

Instrument :
MSVOA_X
ClientSampleId :
TT188S1-20241219

Tgt Ion: 65 Resp: 101618

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	101.6

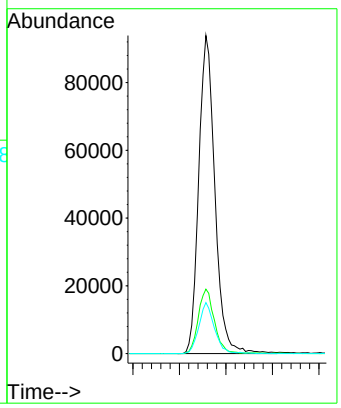


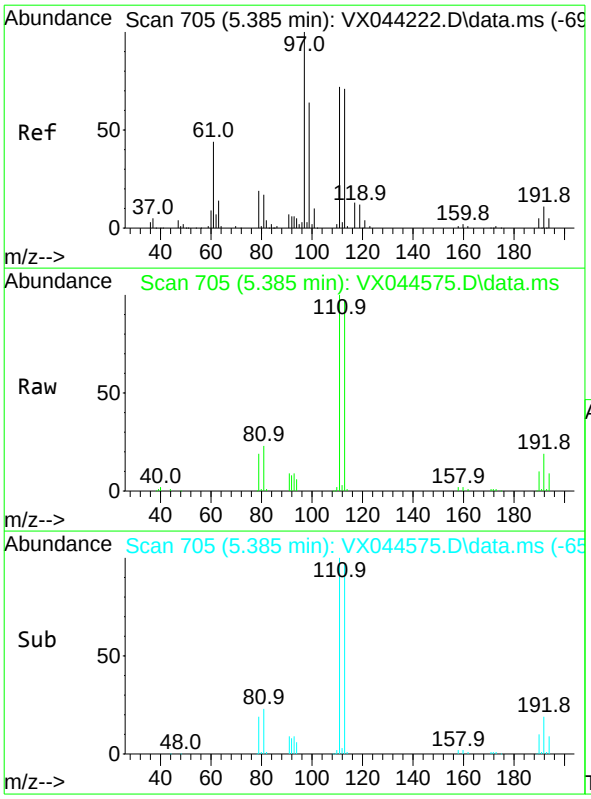


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044575.D
Acq: 31 Dec 2024 13:01

Tgt Ion:114 Resp: 226699

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.6
88	16.0	0.0	31.8



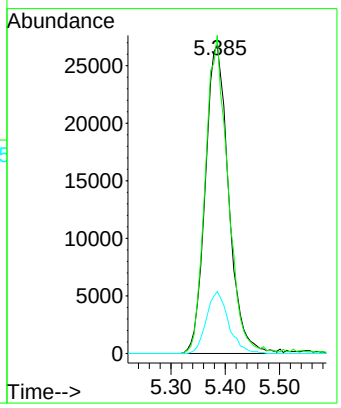


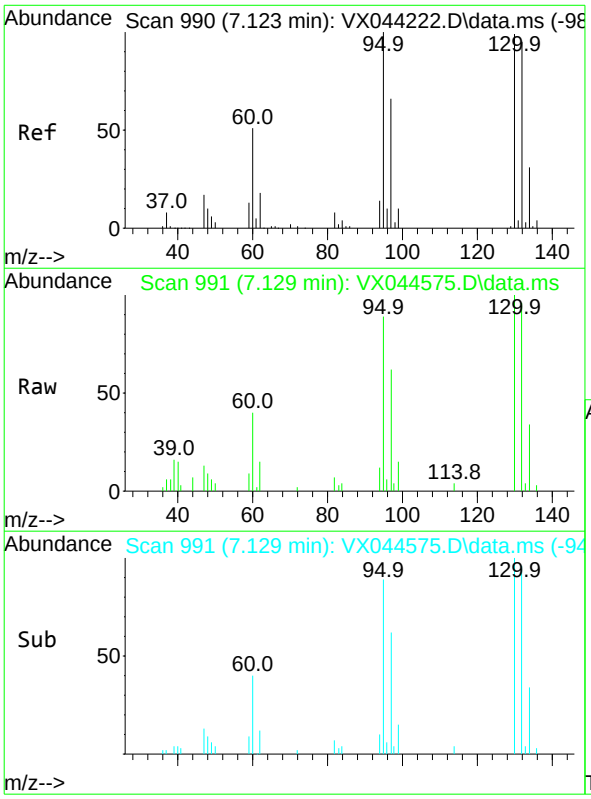
#35
Dibromofluoromethane
Concen: 51.064 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044575.D
Acq: 31 Dec 2024 13:01

Instrument :
MSVOA_X
ClientSampleId :
TT188S1-20241219

Tgt Ion:113 Resp: 80175

Ion	Ratio	Lower	Upper
113	100		
111	99.9	80.4	120.6
192	19.1	13.3	19.9

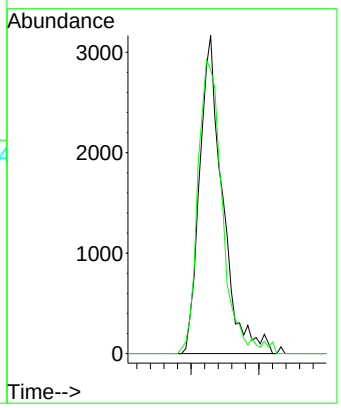


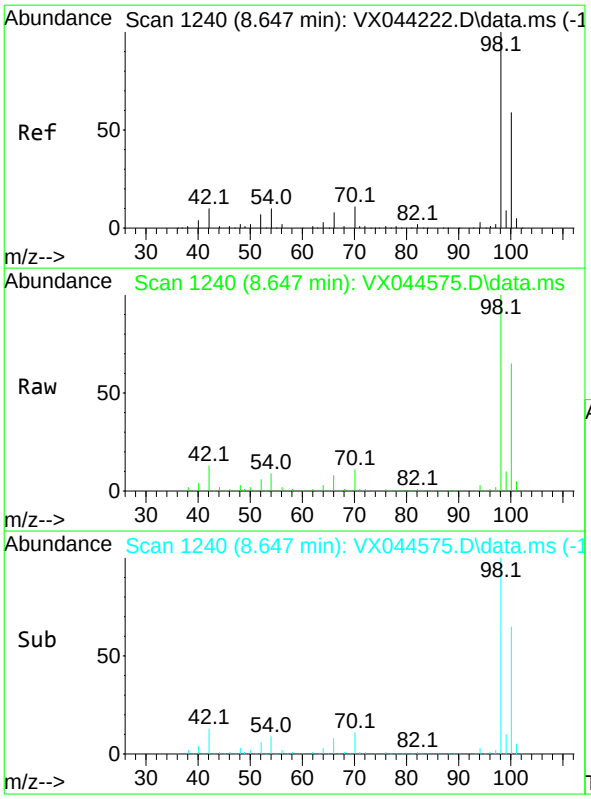


#44
Trichloroethene
Concen: 4.845 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX044575.D
Acq: 31 Dec 2024 13:01

Tgt Ion:130 Resp: 7445

Ion	Ratio	Lower	Upper
130	100		
95	89.4	0.0	201.4



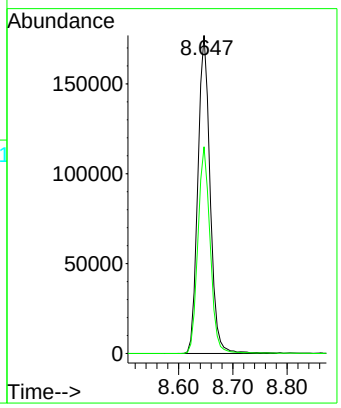


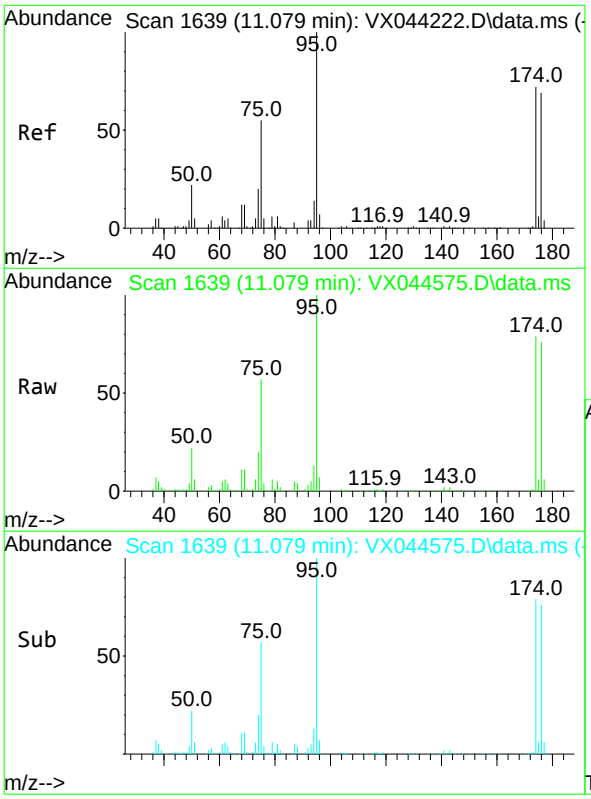
#50
Toluene-d8
Concen: 52.294 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044575.D
Acq: 31 Dec 2024 13:01

Instrument :
MSVOA_X
ClientSampleId :
TT188S1-20241219

Tgt Ion: 98 Resp: 277006

Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.5	77.3

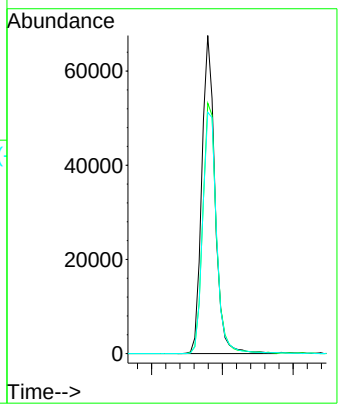


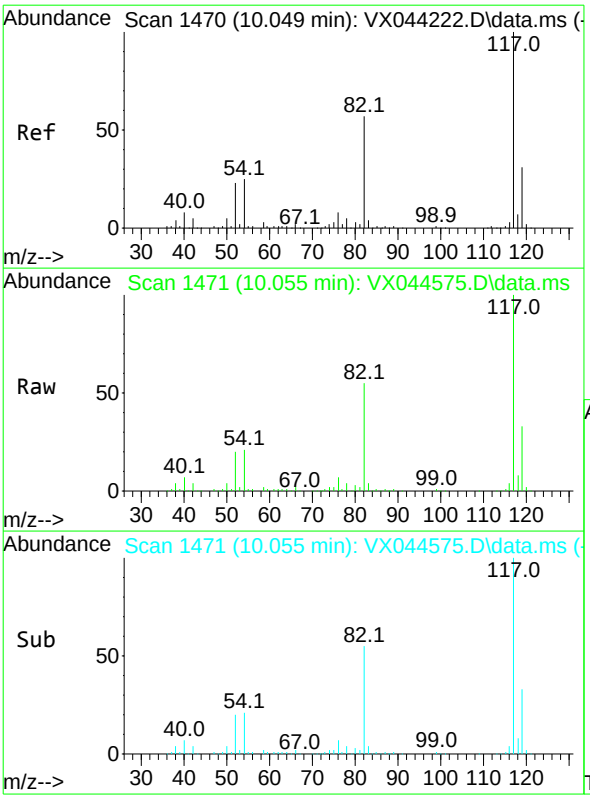


#62
4-Bromofluorobenzene
Concen: 47.302 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044575.D
Acq: 31 Dec 2024 13:01

Tgt Ion: 95 Resp: 87553

Ion	Ratio	Lower	Upper
95	100		
174	81.3	0.0	145.8
176	80.5	0.0	137.8



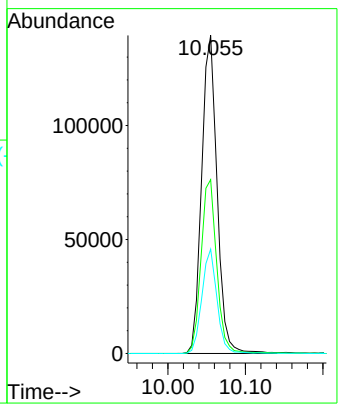


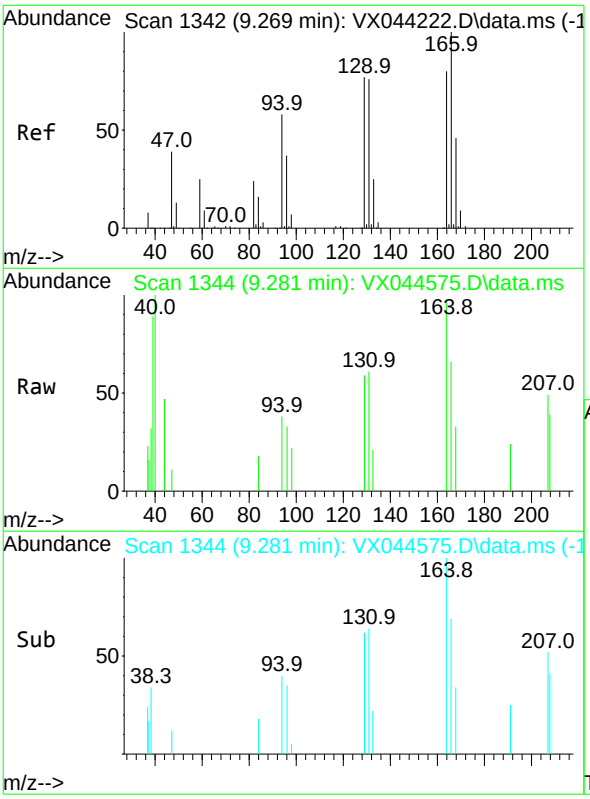
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044575.D
Acq: 31 Dec 2024 13:01

Instrument :
MSVOA_X
ClientSampleId :
TT188S1-20241219

Tgt Ion:117 Resp: 193617

Ion	Ratio	Lower	Upper
117	100		
82	54.6	45.8	68.8
119	32.8	25.0	37.4

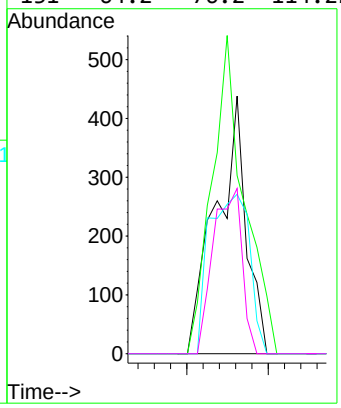


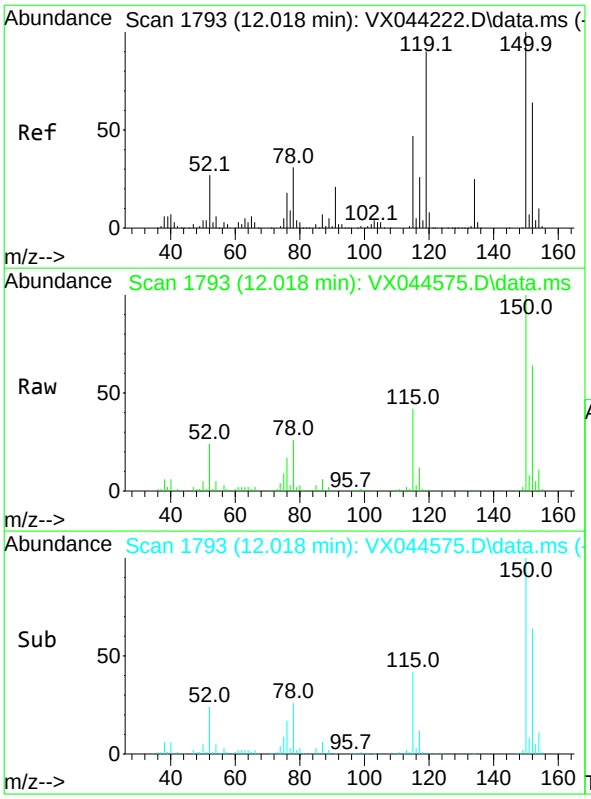


#64
Tetrachloroethene
Concen: 0.440 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.012 min
Lab File: VX044575.D
Acq: 31 Dec 2024 13:01

Tgt Ion:164 Resp: 566

Ion	Ratio	Lower	Upper
164	100		
166	69.2	100.4	150.6#
129	61.9	77.2	115.8#
131	64.2	76.2	114.2#



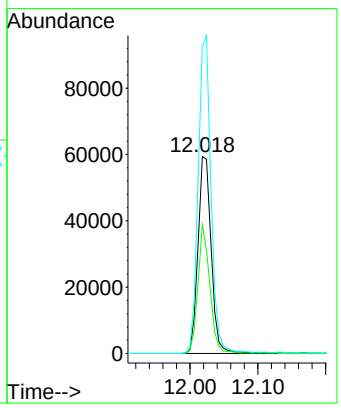


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044575.D
Acq: 31 Dec 2024 13:01

Instrument :
MSVOA_X
ClientSampleId :
TT188S1-20241219

Tgt Ion:152 Resp: 80709

Ion	Ratio	Lower	Upper
152	100		
115	58.8	44.5	133.3
150	157.4	0.0	353.8



Raw Data: **VX044574.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	FB03-20241219	SDG No.:	P5376
Lab Sample ID:	P5376-20	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044574.D	1		12/31/24 12:37	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	4.80	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.40	J	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	7.10		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX044574.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	FB03-20241219	SDG No.:	P5376
Lab Sample ID:	P5376-20	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044574.D	1		12/31/24 12:37	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.7		81 - 118		87%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	53.1		89 - 112		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.5		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	125000	5.544				
540-36-3	1,4-Difluorobenzene	212000	6.757				
3114-55-4	Chlorobenzene-d5	185000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	85200	12.018				

Raw Data: **VX044574.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	FB03-20241219	SDG No.:	P5376
Lab Sample ID:	P5376-20	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044574.D	1		12/31/24 12:37	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (LSC Reviewed)

Sample Results: **VX044574.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044574.D
Acq On : 31 Dec 2024 12:37
Operator : JC/MD
Sample : P5376-20
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB03-20241219

Quant Time: Jan 01 01:39:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	125076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	211805	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	85230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95942	43.749	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 87.500%			
35) Dibromofluoromethane	5.385	113	74570	50.834	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.660%			
50) Toluene-d8	8.647	98	262583	53.057	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.120%			
62) 4-Bromofluorobenzene	11.079	95	94226	54.487	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.980%			
Target Compounds						Qvalue
16) Acetone	2.386	43	4266	4.772	ug/l #	76
20) Methylene Chloride	2.782	84	672	0.400	ug/l #	70
30) Chloroform	5.093	83	23408	7.108	ug/l	97

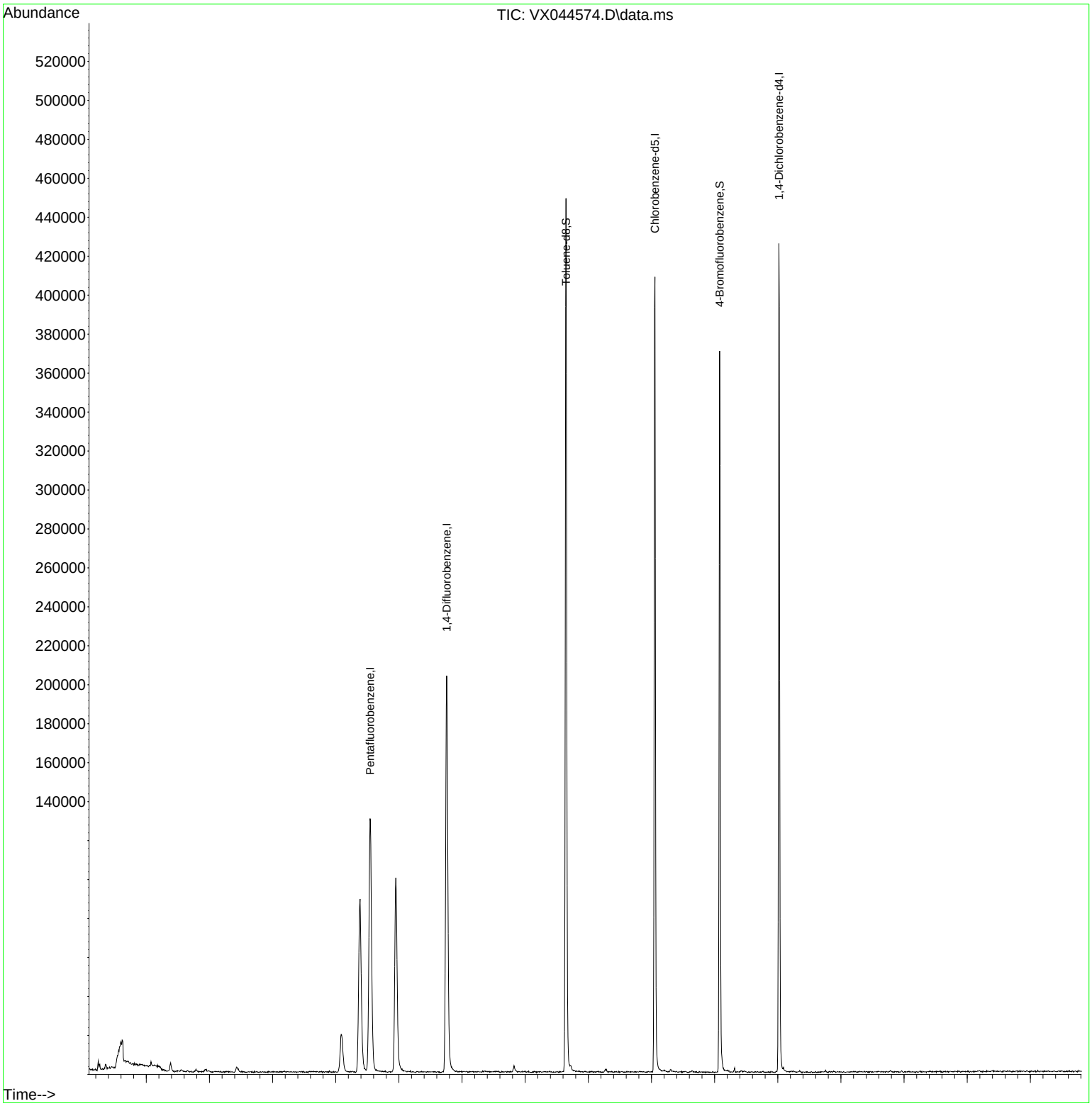
(#) = qualifier out of range (m) = manual integration (+) = signals summed

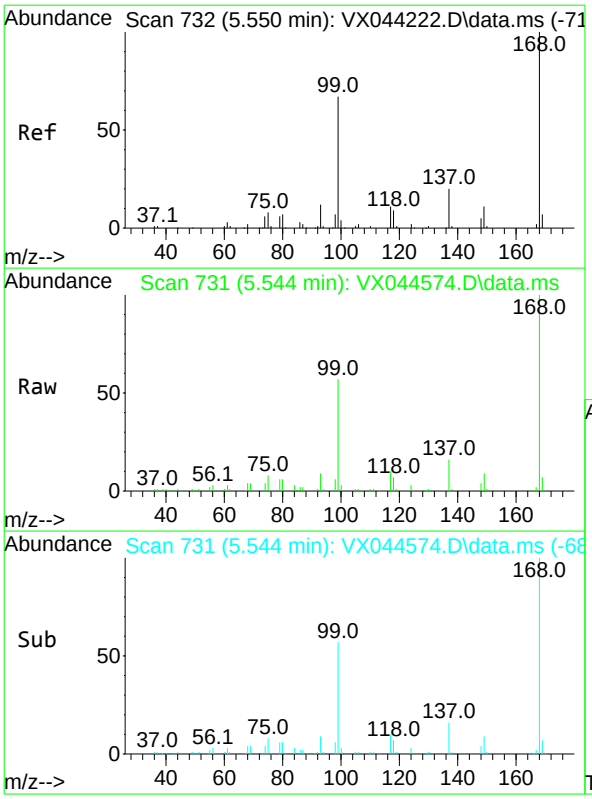
Sample Results: **VX044574.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044574.D
Acq On : 31 Dec 2024 12:37
Operator : JC/MD
Sample : P5376-20
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB03-20241219

Quant Time: Jan 01 01:39:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



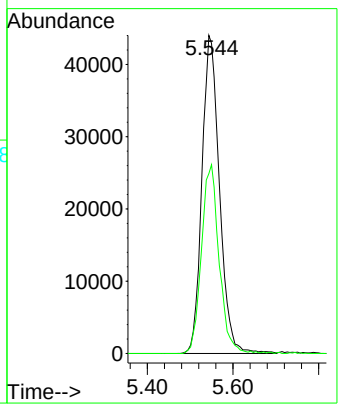


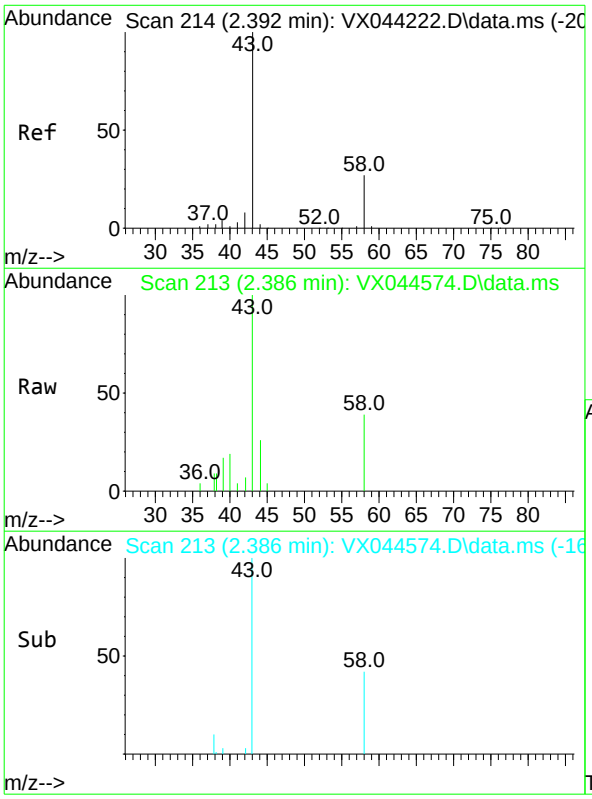
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044574.D
Acq: 31 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
FB03-20241219

Tgt Ion:168 Resp: 125076

Ion	Ratio	Lower	Upper
168	100		
99	56.6	53.4	80.0

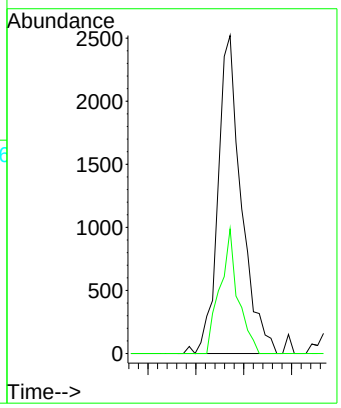


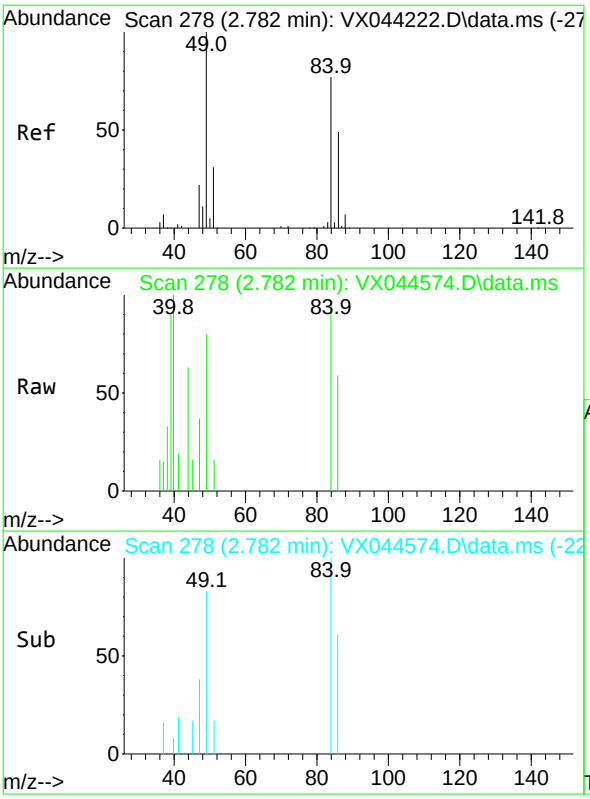


#16
Acetone
Concen: 4.772 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044574.D
Acq: 31 Dec 2024 12:37

Tgt Ion: 43 Resp: 4266

Ion	Ratio	Lower	Upper
43	100		
58	39.2	21.6	32.4#



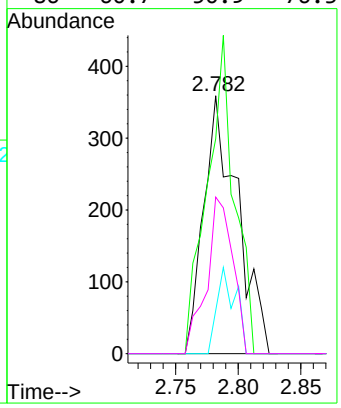


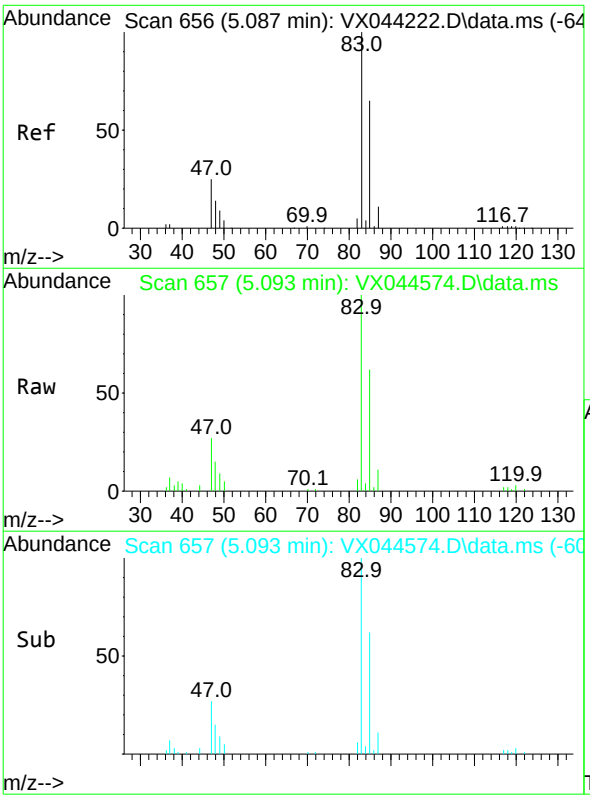
#20
Methylene Chloride
Concen: 0.400 ug/l
RT: 2.782 min Scan# 27
Delta R.T. -0.000 min
Lab File: VX044574.D
Acq: 31 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
FB03-20241219

Tgt Ion: 84 Resp: 672

Ion	Ratio	Lower	Upper
84	100		
49	83.3	104.2	156.4#
51	16.7	32.2	48.4#
86	60.7	50.9	76.3

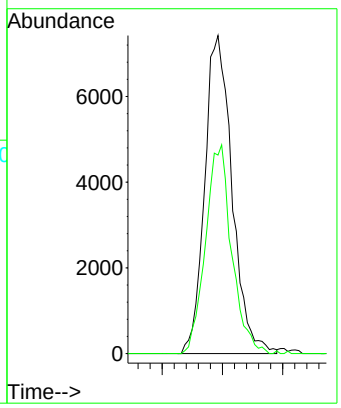


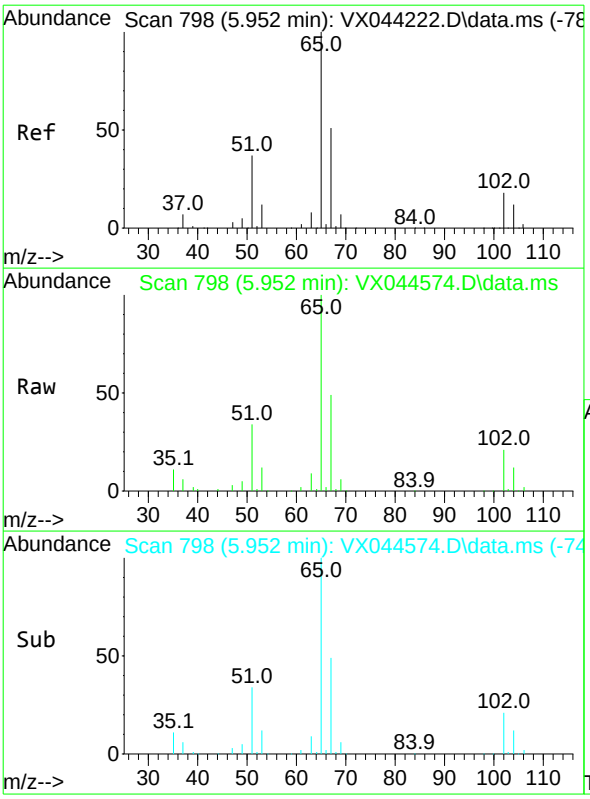


#30
Chloroform
Concen: 7.108 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044574.D
Acq: 31 Dec 2024 12:37

Tgt Ion: 83 Resp: 23408

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.6	77.4



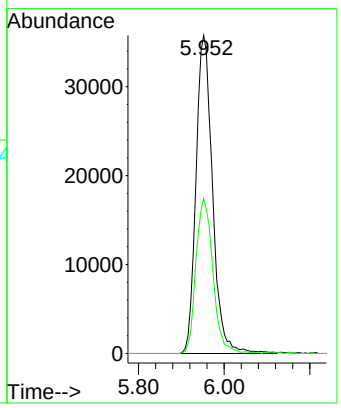


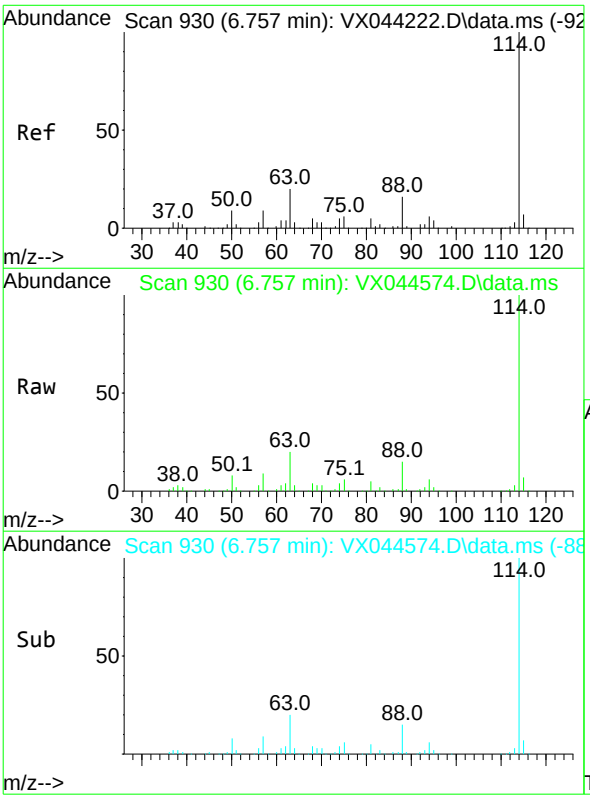
#33
1,2-Dichloroethane-d4
Concen: 43.749 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044574.D
Acq: 31 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
FB03-20241219

Tgt Ion: 65 Resp: 95942

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	101.6

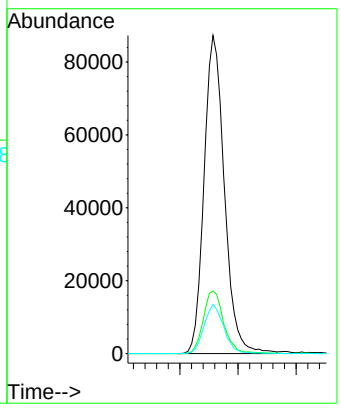


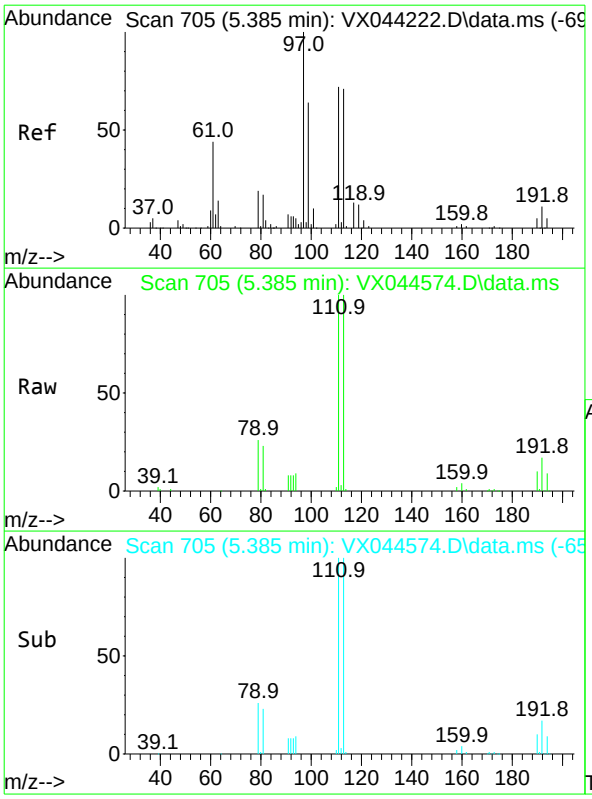


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044574.D
Acq: 31 Dec 2024 12:37

Tgt Ion:114 Resp: 211805

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.6
88	15.4	0.0	31.8



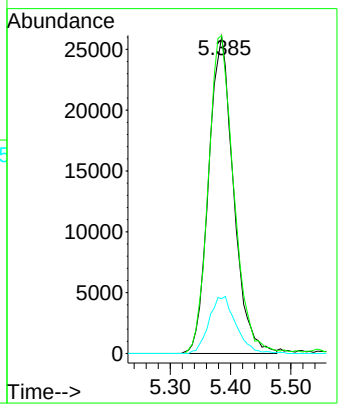


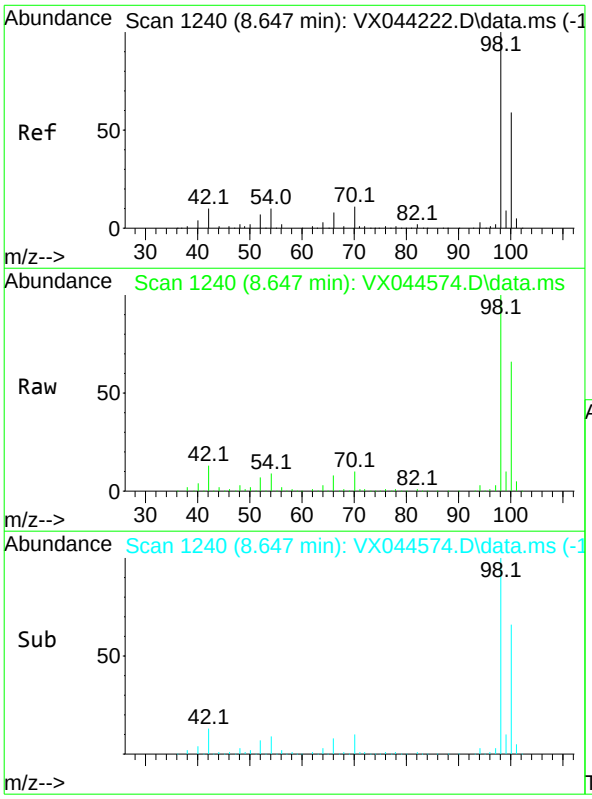
#35
Dibromofluoromethane
Concen: 50.834 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044574.D
Acq: 31 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
FB03-20241219

Tgt Ion:113 Resp: 74570

Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.4	120.6
192	19.5	13.3	19.9

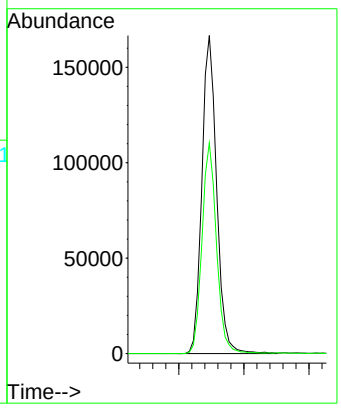


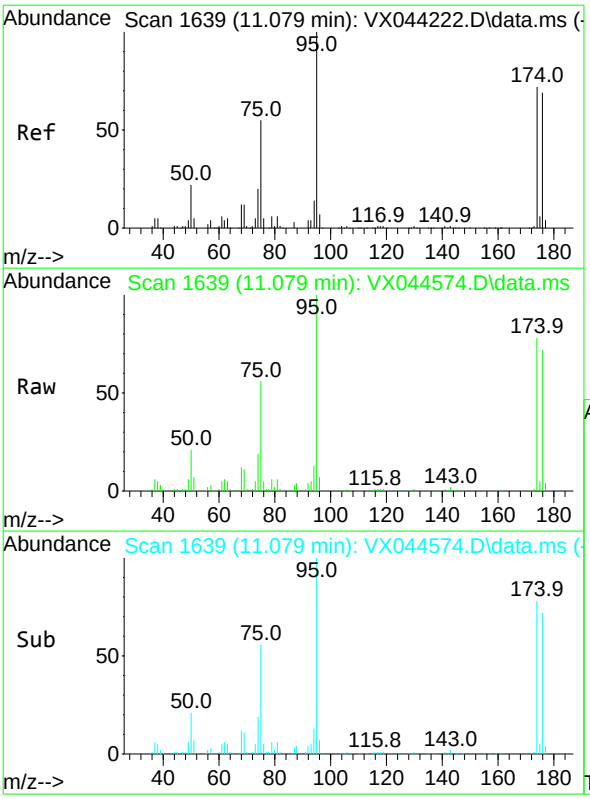


#50
Toluene-d8
Concen: 53.057 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044574.D
Acq: 31 Dec 2024 12:37

Tgt Ion: 98 Resp: 262583

Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.5	77.3



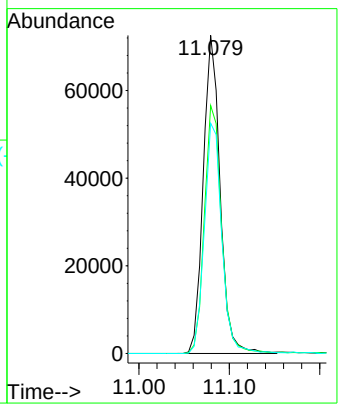


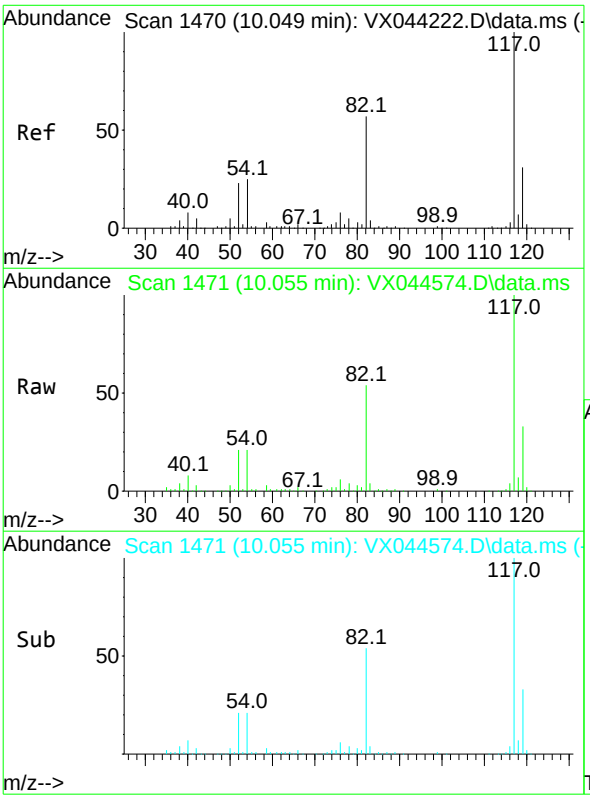
#62
4-Bromofluorobenzene
Concen: 54.487 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044574.D
Acq: 31 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
FB03-20241219

Tgt Ion: 95 Resp: 94226

Ion	Ratio	Lower	Upper
95	100		
174	79.6	0.0	145.8
176	74.8	0.0	137.8

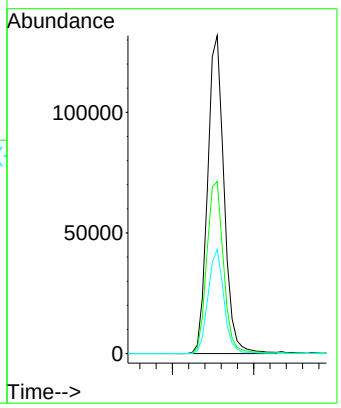


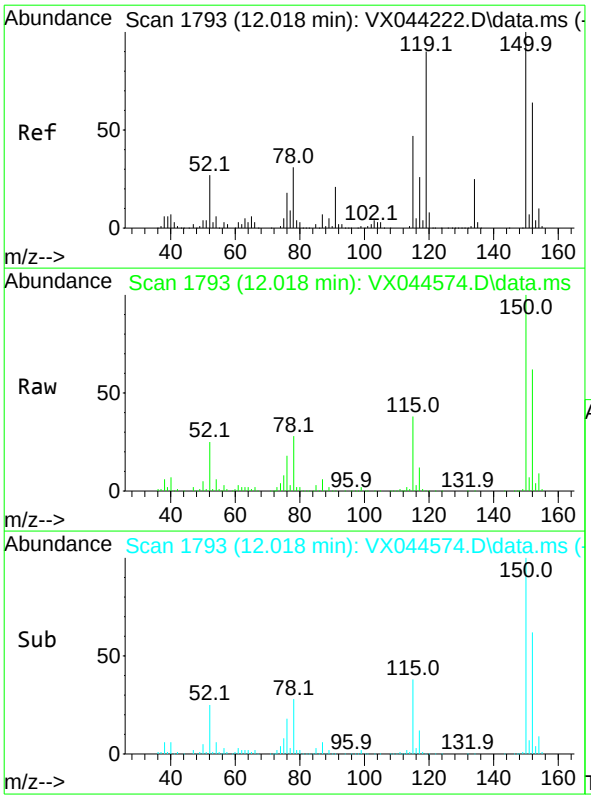


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044574.D
Acq: 31 Dec 2024 12:37

Tgt Ion:117 Resp: 185221

Ion	Ratio	Lower	Upper
117	100		
82	54.1	45.8	68.8
119	32.8	25.0	37.4



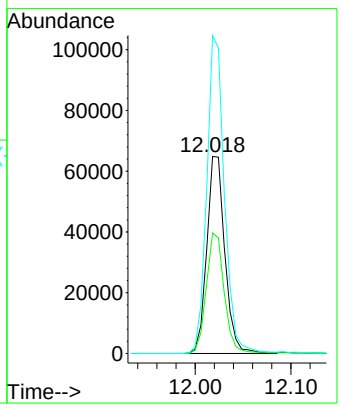


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044574.D
Acq: 31 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
FB03-20241219

Tgt Ion:152 Resp: 85230

Ion	Ratio	Lower	Upper
152	100		
115	61.2	44.5	133.3
150	157.4	0.0	353.8



Raw Data: **VX044549.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TB	SDG No.:	P5376
Lab Sample ID:	P5376-21	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044549.D	1		12/30/24 17:18	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.35	J	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX044549.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TB	SDG No.:	P5376
Lab Sample ID:	P5376-21	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044549.D	1		12/30/24 17:18	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.4		81 - 118		91%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	54.9		89 - 112		110%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	118000	5.55				
540-36-3	1,4-Difluorobenzene	206000	6.757				
3114-55-4	Chlorobenzene-d5	189000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	77500	12.018				

Raw Data: **VX044549.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/19/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	TB	SDG No.:	P5376
Lab Sample ID:	P5376-21	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044549.D	1		12/30/24 17:18	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Sample Results: **VX044549.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044549.D
Acq On : 30 Dec 2024 17:18
Operator : JC/MD
Sample : P5376-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Time: Dec 31 00:33:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.550	168	117791	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	206326	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.049	117	188782	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77501	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.952	65	93755	45.396 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.800%		
35) Dibromofluoromethane	5.385	113	72737	50.901 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.800%		
50) Toluene-d8	8.647	98	264706	54.907 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.820%		
62) 4-Bromofluorobenzene	11.079	95	85597	50.812 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.620%		
Target Compounds					Qvalue
3) Chloromethane	1.295	50	613	0.352 ug/l #	77
16) Acetone	2.380	43	1086	1.290 ug/l	99

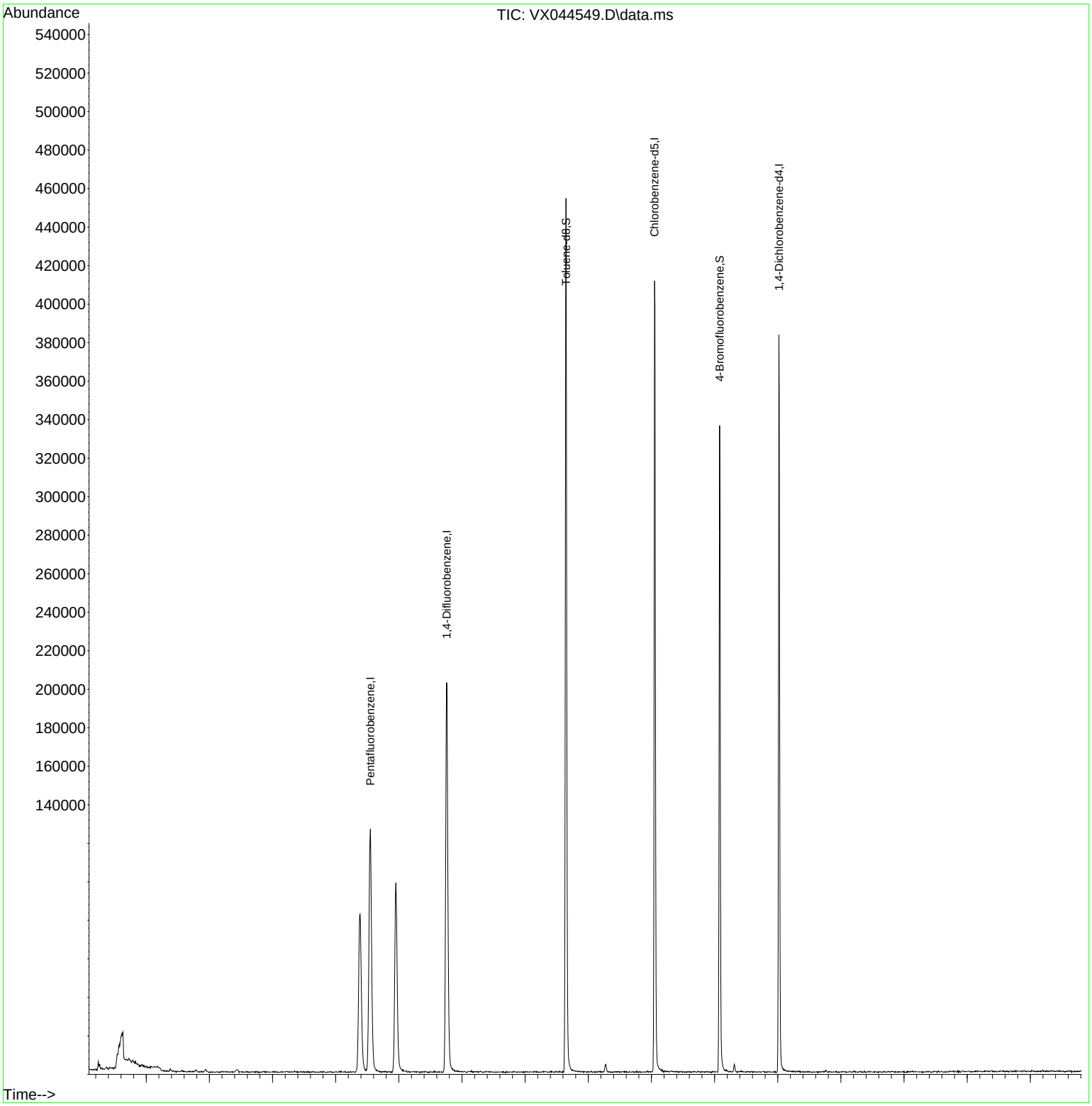
(#) = qualifier out of range (m) = manual integration (+) = signals summed

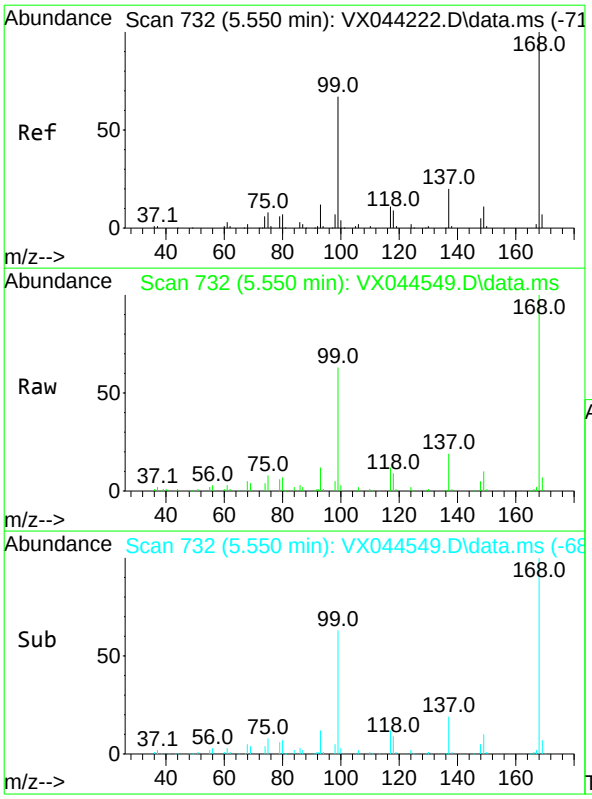
Sample Results: **VX044549.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044549.D
Acq On : 30 Dec 2024 17:18
Operator : JC/MD
Sample : P5376-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Time: Dec 31 00:33:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



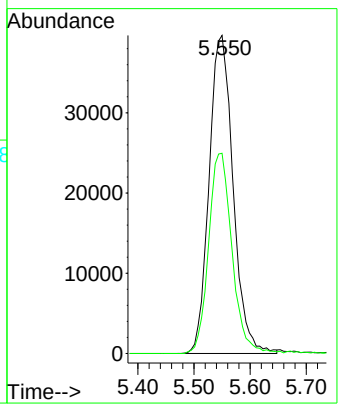


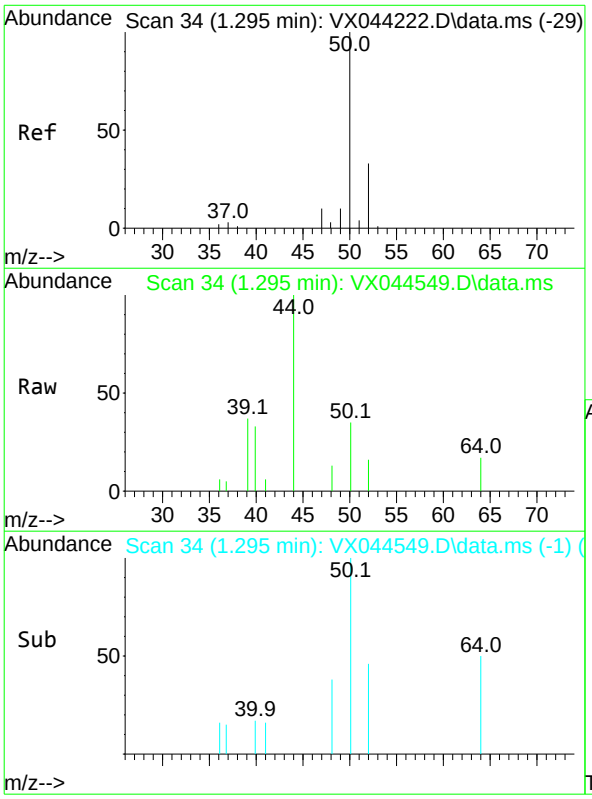
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044549.D
Acq: 30 Dec 2024 17:18

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:168 Resp: 117791

Ion	Ratio	Lower	Upper
168	100		
99	63.0	53.4	80.0

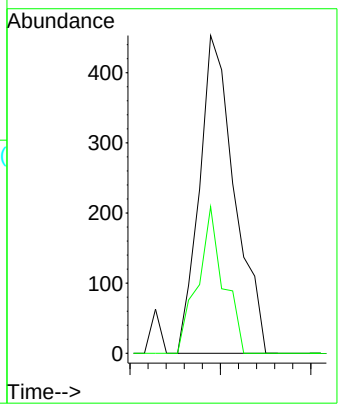


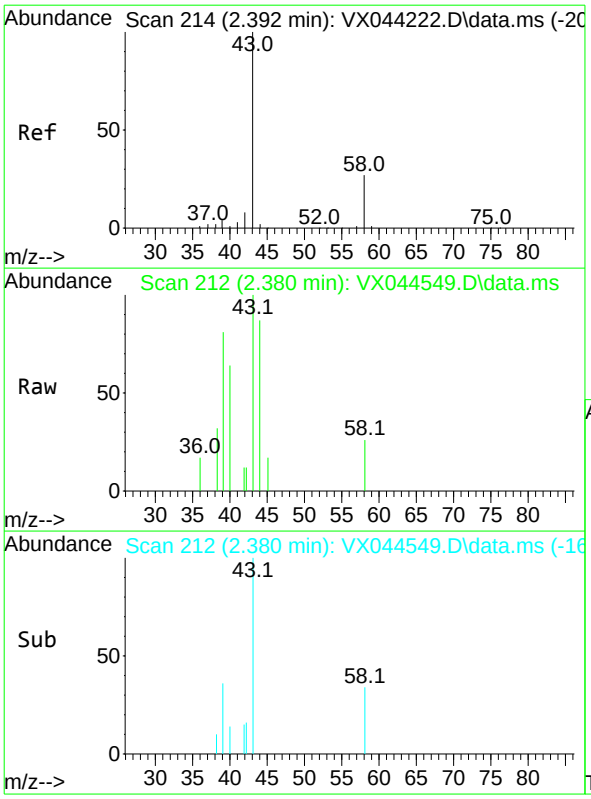


#3
Chloromethane
Concen: 0.352 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX044549.D
Acq: 30 Dec 2024 17:18

Tgt Ion: 50 Resp: 613

Ion	Ratio	Lower	Upper
50	100		
52	46.1	26.5	39.7#



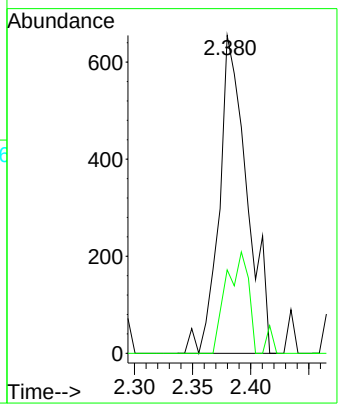


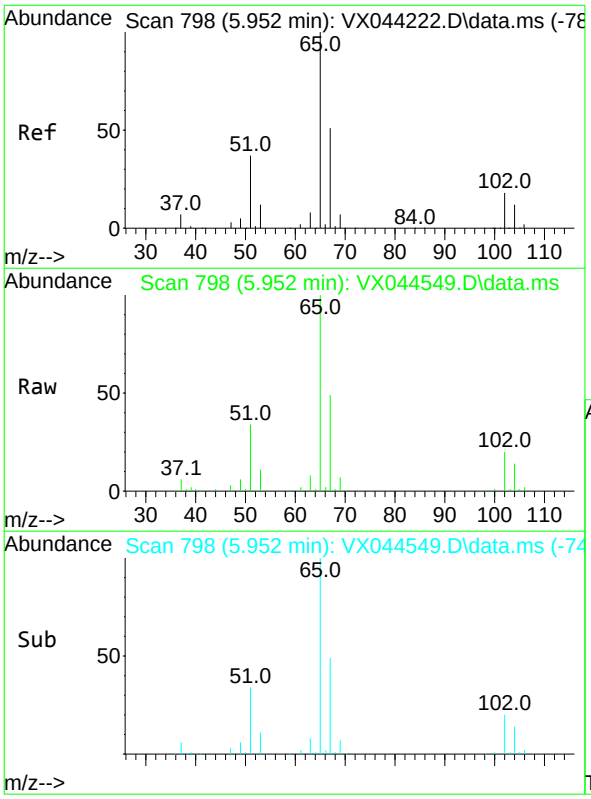
#16
Acetone
Concen: 1.290 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX044549.D
Acq: 30 Dec 2024 17:18

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion: 43 Resp: 1086

Ion	Ratio	Lower	Upper
43	100		
58	26.3	21.6	32.4

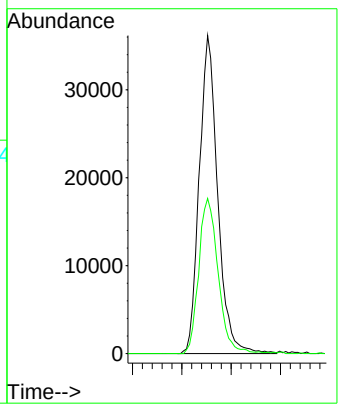


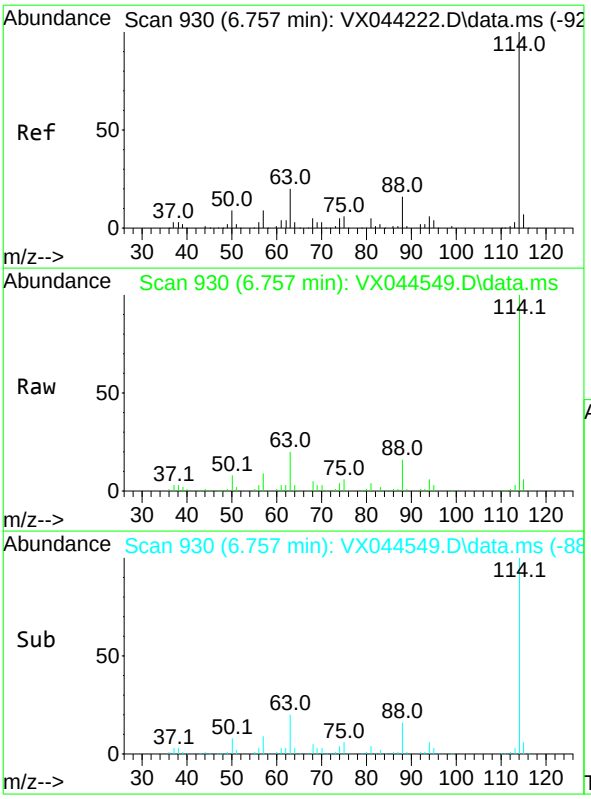


#33
1,2-Dichloroethane-d4
Concen: 45.396 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX044549.D
Acq: 30 Dec 2024 17:18

Tgt Ion: 65 Resp: 93755

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	101.6



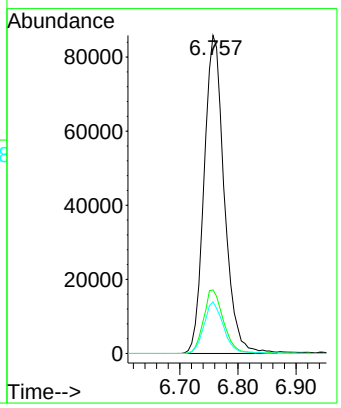


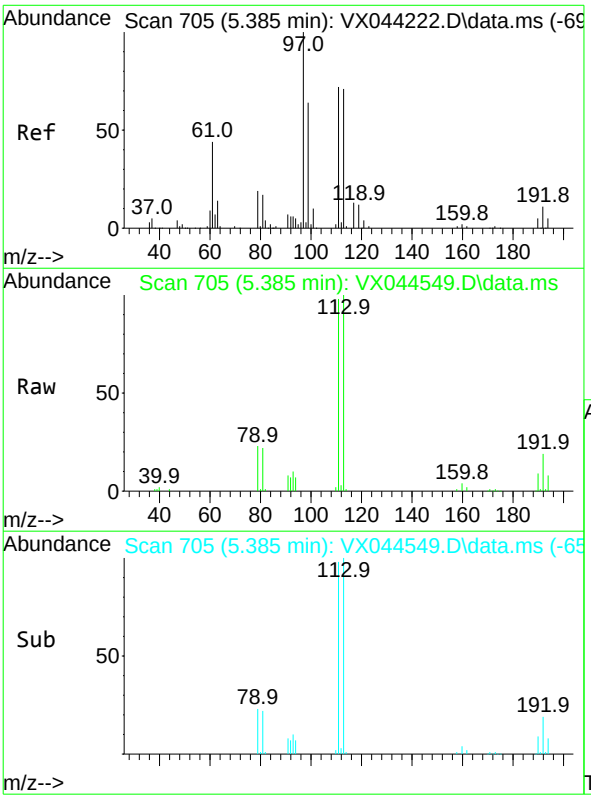
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX044549.D
Acq: 30 Dec 2024 17:18

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:114 Resp: 206326

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.6
88	16.2	0.0	31.8

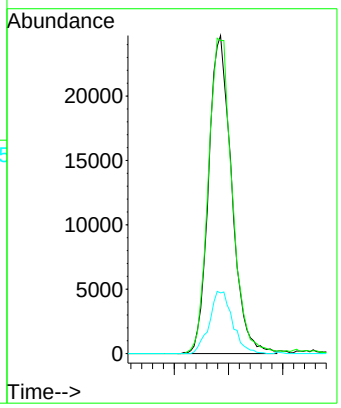


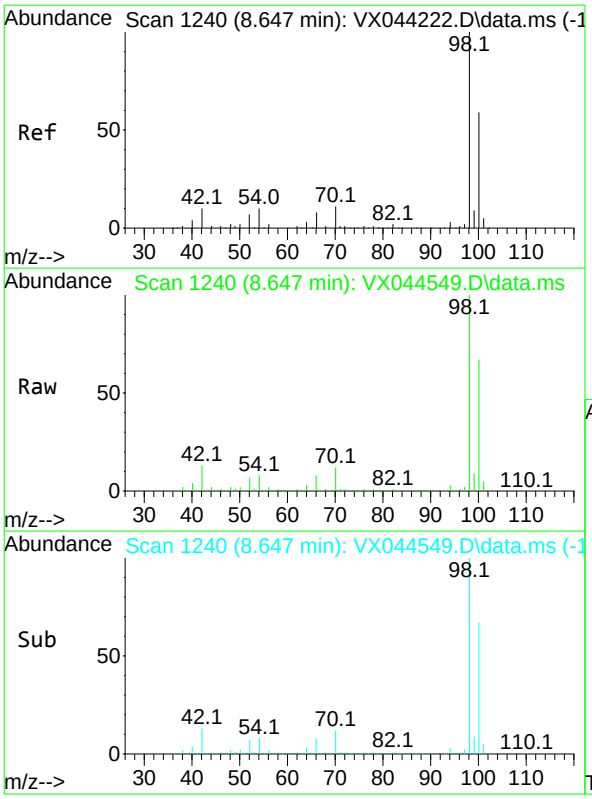


#35
Dibromofluoromethane
Concen: 50.901 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX044549.D
Acq: 30 Dec 2024 17:18

Tgt Ion:113 Resp: 72737

Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.4	120.6
192	19.6	13.3	19.9



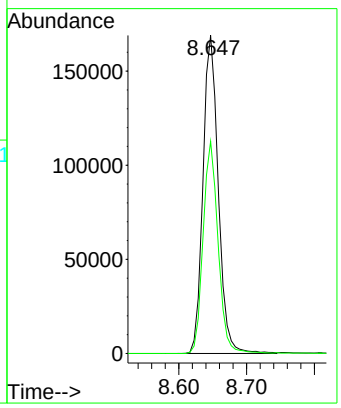


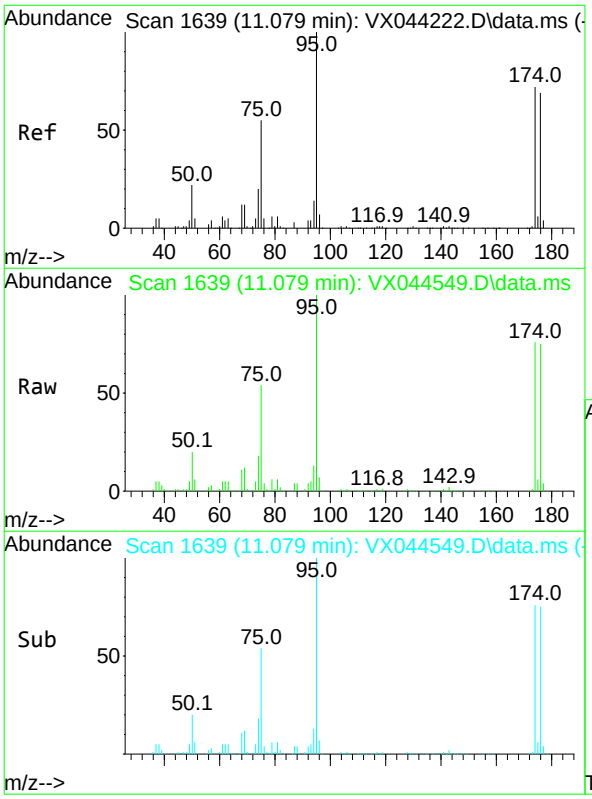
#50
Toluene-d8
Concen: 54.907 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044549.D
Acq: 30 Dec 2024 17:18

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion: 98 Resp: 264706

Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.5	77.3

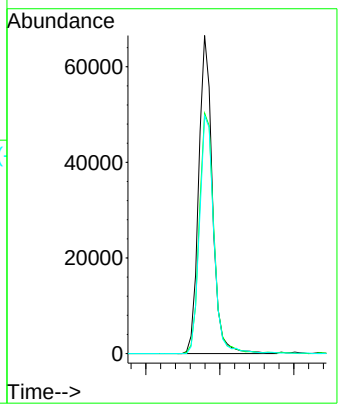


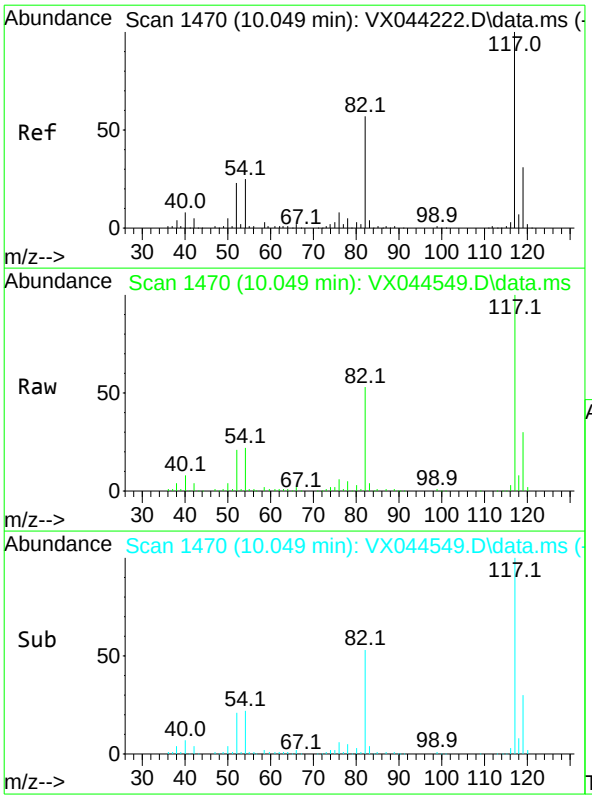


#62
4-Bromofluorobenzene
Concen: 50.812 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044549.D
Acq: 30 Dec 2024 17:18

Tgt Ion: 95 Resp: 85597

Ion	Ratio	Lower	Upper
95	100		
174	80.2	0.0	145.8
176	77.9	0.0	137.8



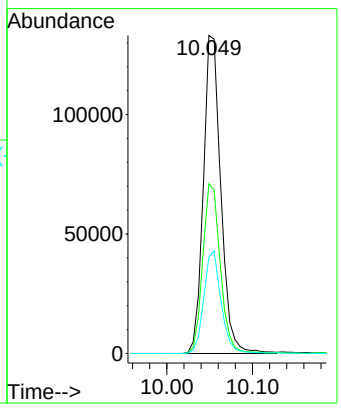


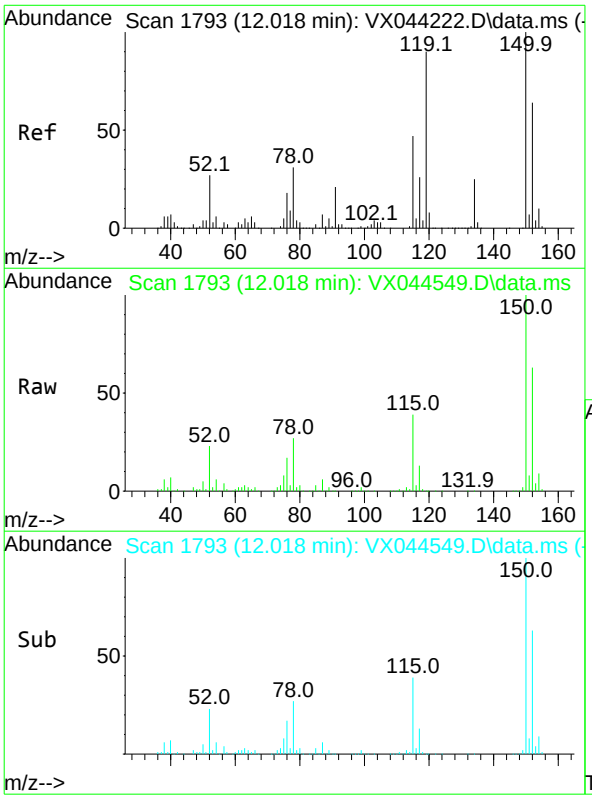
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044549.D
Acq: 30 Dec 2024 17:18

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:117 Resp: 188782

Ion	Ratio	Lower	Upper
117	100		
82	53.4	45.8	68.8
119	30.4	25.0	37.4

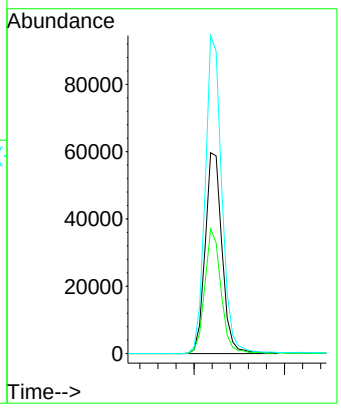




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044549.D
Acq: 30 Dec 2024 17:18

Tgt Ion:152 Resp: 77501

Ion	Ratio	Lower	Upper
152	100		
115	59.4	44.5	133.3
150	155.8	0.0	353.8



CALIBRATION SUMMARY

Raw Data

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH
Contract: AECO15
Lab Code: CHEM
Case No.: P5376
SAS No.: P5376
SDG No.: P5376
Instrument ID: MSVOA_X
Calibration Date(s): 12/11/2024 12/11/2024
Heated Purge: (Y/N) N
Calibration Time(s): 10:41 13:00
GC Column: DB-624UI
ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX044219.D RRF005 = VX044220.D RRF020 = VX044221.D
RRF050 = VX044222.D RRF100 = VX044223.D RRF150 = VX044224.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.877	0.749	0.721	0.788	0.745	0.759	0.773	7.2
Chloromethane	0.743	0.747	0.735	0.756	0.715	0.740	0.739	1.8
Vinyl Chloride	0.805	0.790	0.782	0.786	0.722	0.737	0.770	4.3
Bromomethane		0.590	0.513	0.551	0.529	0.548	0.546	5.3
Chloroethane	0.464	0.520	0.515	0.532	0.422	0.426	0.480	10.2
Trichlorofluoromethane	1.582	1.519	1.514	1.541	1.478	1.414	1.508	3.8
1,1,2-Trichlorotrifluoroethane	0.633	0.628	0.592	0.615	0.573	0.620	0.610	3.8
1,1-Dichloroethene	0.512	0.560	0.544	0.596	0.554	0.596	0.560	5.7
Acetone	0.359	0.353	0.331	0.381	0.348	0.372	0.357	5
Carbon Disulfide	0.841	0.872	0.937	1.150	1.230	1.362	1.065	20
Methyl tert-butyl Ether	2.054	2.188	2.127	2.305	2.170	2.279	2.187	4.3
Methyl Acetate	0.965	0.889	0.883	0.953	0.888	0.951	0.922	4.2
Methylene Chloride	0.679	0.678	0.666	0.689	0.648	0.668	0.671	2.1
trans-1,2-Dichloroethene	0.600	0.556	0.577	0.619	0.595	0.626	0.596	4.4
1,1-Dichloroethane	1.071	1.173	1.154	1.244	1.171	1.218	1.172	5.1
Cyclohexane		0.931	0.963	0.977	0.922	0.938	0.946	2.4
2-Butanone	0.449	0.491	0.510	0.548	0.509	0.541	0.508	7.1
Carbon Tetrachloride	0.484	0.443	0.432	0.501	0.502	0.529	0.482	7.8
cis-1,2-Dichloroethene	0.809	0.737	0.728	0.772	0.731	0.762	0.756	4.1
Bromochloromethane	0.578	0.577	0.576	0.592	0.556	0.568	0.575	2.1
Chloroform	1.389	1.312	1.272	1.343	1.272	1.310	1.316	3.4
1,1,1-Trichloroethane	0.993	1.019	1.077	1.176	1.119	1.173	1.093	7.1
Methylcyclohexane	0.514	0.503	0.527	0.555	0.550	0.562	0.535	4.5
Benzene	1.353	1.353	1.332	1.410	1.353	1.353	1.359	1.9
1,2-Dichloroethane	0.554	0.557	0.545	0.584	0.556	0.564	0.560	2.4
Trichloroethene	0.356	0.325	0.325	0.349	0.337	0.342	0.339	3.8
1,2-Dichloropropane	0.368	0.345	0.330	0.357	0.341	0.342	0.347	3.8
Bromodichloromethane	0.380	0.411	0.436	0.508	0.518	0.538	0.465	13.9
4-Methyl-2-Pentanone	0.506	0.551	0.547	0.590	0.561	0.582	0.556	5.4
Toluene	0.908	0.830	0.816	0.877	0.841	0.849	0.853	4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5376 SAS No.: P5376 SDG No.: P5376

Instrument ID: MSVOA_X Calibration Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX044219.D RRF005 = VX044220.D RRF020 = VX044221.D
RRF050 = VX044222.D RRF100 = VX044223.D RRF150 = VX044224.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.338	0.357	0.439	0.514	0.526	0.558	0.455	20.3
cis-1,3-Dichloropropene	0.404	0.441	0.488	0.567	0.558	0.583	0.507	14.6
1,1,2-Trichloroethane	0.337	0.332	0.335	0.358	0.334	0.340	0.339	2.8
2-Hexanone	0.323	0.386	0.408	0.439	0.420	0.438	0.403	10.8
Dibromochloromethane	0.254	0.248	0.306	0.370	0.378	0.398	0.326	20.2
1,2-Dibromoethane	0.303	0.322	0.344	0.369	0.364	0.370	0.345	8.1
Tetrachloroethene	0.359	0.354	0.317	0.321	0.312	0.327	0.332	6
Chlorobenzene	1.130	1.068	1.039	1.088	1.036	1.067	1.071	3.3
Ethyl Benzene	1.853	1.806	1.816	1.927	1.831	1.875	1.851	2.4
m/p-Xylenes	0.653	0.660	0.665	0.707	0.683	0.707	0.679	3.5
o-Xylene	0.686	0.683	0.685	0.703	0.671	0.697	0.687	1.6
Styrene	1.007	1.019	1.099	1.162	1.148	1.177	1.102	6.7
Bromoform	0.137	0.173	0.194	0.247	0.269	0.297	0.219	28
Isopropylbenzene	3.665	3.976	3.920	3.912	3.747	3.747	3.828	3.2
1,1,2,2-Tetrachloroethane	1.410	1.350	1.332	1.336	1.256	1.293	1.329	3.9
1,3-Dichlorobenzene	1.519	1.634	1.640	1.683	1.625	1.628	1.621	3.3
1,4-Dichlorobenzene	1.811	1.640	1.632	1.672	1.621	1.623	1.667	4.4
1,2-Dichlorobenzene	1.745	1.666	1.668	1.726	1.654	1.643	1.684	2.5
1,2-Dibromo-3-Chloropropane	0.222	0.226	0.241	0.273	0.279	0.306	0.258	13
1,2,4-Trichlorobenzene	0.770	0.827	0.891	0.978	1.013	1.058	0.923	12.2
1,2,3-Trichlorobenzene	0.854	0.885	0.984	1.019	1.055	1.077	0.979	9.3
1,2-Dichloroethane-d4		0.934	0.778	0.921	0.862	0.888	0.877	7.1
Dibromofluoromethane		0.353	0.298	0.367	0.360	0.354	0.346	8
Toluene-d8		1.148	1.010	1.251	1.229	1.203	1.168	8.3
4-Bromofluorobenzene		0.390	0.351	0.442	0.432	0.426	0.408	9.2

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Response Factor Report MSVOA_X

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X121124W.M
Title : SW846 8260
Last Update : Thu Dec 12 04:28:14 2024
Response Via : Initial Calibration

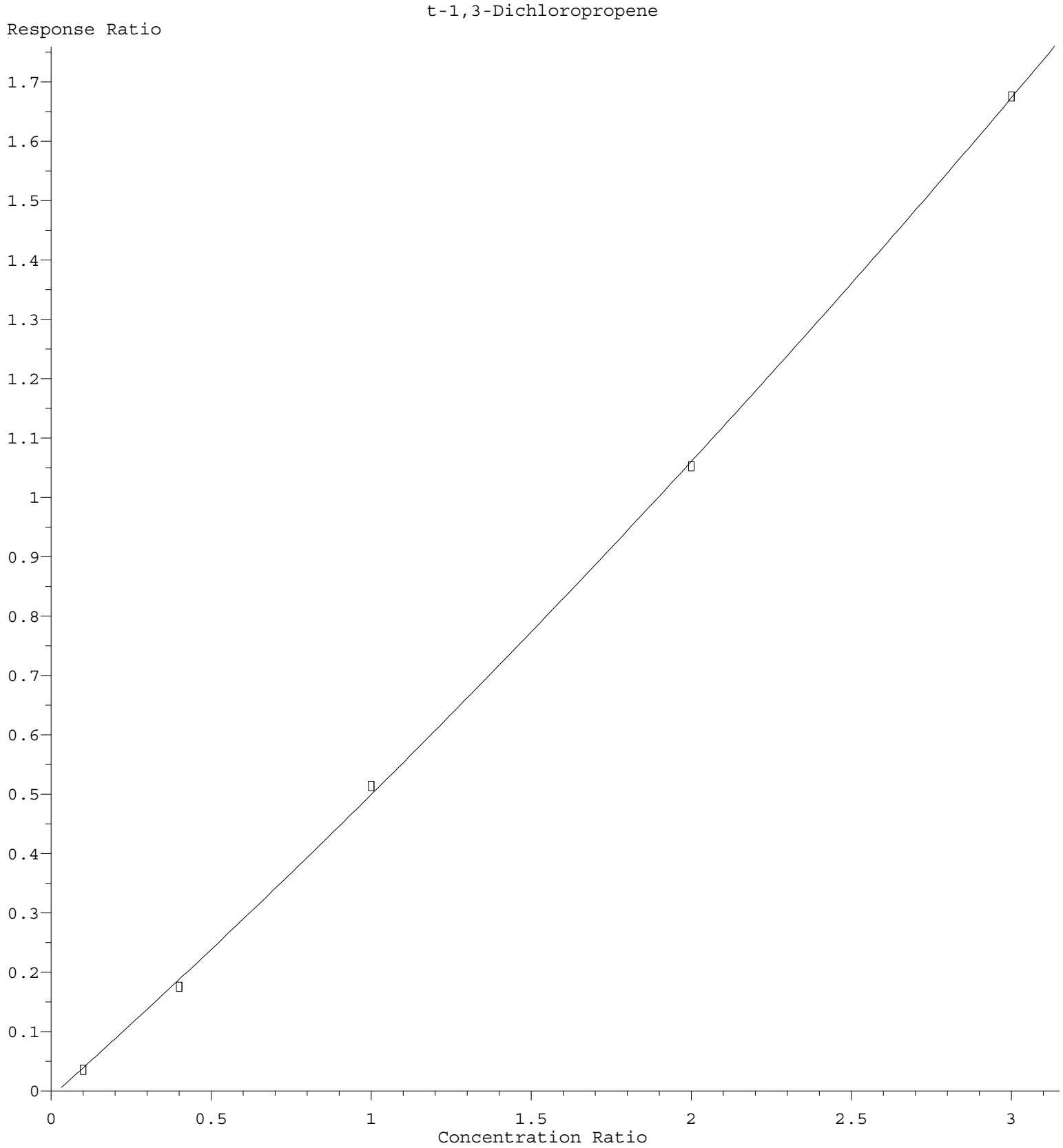
Calibration Files
1 =VX044219.D 5 =VX044220.D 20 =VX044221.D 50 =VX044222.D 100 =VX044223.D 150 =VX044224.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.877	0.749	0.721	0.788	0.745	0.759	0.773	7.19
3)	P	Chloromethane	0.743	0.747	0.735	0.756	0.715	0.740	0.739	1.83
4)	C	Vinyl Chloride	0.805	0.790	0.782	0.786	0.722	0.737	0.770	4.31#
5)	T	Bromomethane		0.590	0.513	0.551	0.529	0.548	0.546	5.26
6)	T	Chloroethane	0.464	0.520	0.515	0.532	0.422	0.426	0.480	10.21
7)	T	Trichlorofluor...	1.582	1.519	1.514	1.541	1.478	1.414	1.508	3.80
8)	T	Diethyl Ether	0.582	0.516	0.481	0.513	0.477	0.520	0.515	7.30
9)	T	1,1,2-Trichlor...	0.633	0.628	0.592	0.615	0.573	0.620	0.610	3.76
10)	T	Methyl Iodide		0.793	0.796	0.847	0.782	0.803	0.804	3.13
11)	T	Tert butyl alc...		0.103	0.111	0.120	0.133	0.151	0.124	15.38
12)	CM	1,1-Dichloroet...	0.512	0.560	0.544	0.596	0.554	0.596	0.560	5.74#
13)	T	Acrolein		0.179	0.163	0.185	0.174	0.193	0.179	6.28
14)	T	Allyl chloride	0.899	0.895	0.878	1.010	0.940	0.980	0.933	5.63
15)	T	Acrylonitrile	0.319	0.333	0.332	0.358	0.343	0.367	0.342	5.25
16)	T	Acetone	0.359	0.353	0.331	0.381	0.348	0.372	0.357	4.99
17)	T	Carbon Disulfide	0.841	0.872	0.937	1.150	1.230	1.362	1.065	19.98
18)	T	Methyl Acetate	0.965	0.889	0.883	0.953	0.888	0.951	0.922	4.17
19)	T	Methyl tert-bu...	2.054	2.188	2.127	2.305	2.170	2.279	2.187	4.28
20)	T	Methylene Chlo...	0.679	0.678	0.666	0.689	0.648	0.668	0.671	2.12
21)	T	trans-1,2-Dich...	0.600	0.556	0.577	0.619	0.595	0.626	0.596	4.37
22)	T	Diisopropyl ether	2.040	2.114	2.092	2.172	2.070	2.123	2.102	2.17
23)	T	Vinyl Acetate	1.238	1.571	1.732	1.912	1.842	1.958	1.709	15.75
24)	P	1,1-Dichloroet...	1.071	1.173	1.154	1.244	1.171	1.218	1.172	5.10
25)	T	2-Butanone	0.449	0.491	0.510	0.548	0.509	0.541	0.508	7.08
26)	T	2,2-Dichloropr...	0.782	0.896	0.956	1.045	0.992	1.039	0.952	10.50
27)	T	cis-1,2-Dichlo...	0.809	0.737	0.728	0.772	0.731	0.762	0.756	4.11
28)	T	Bromochloromet...	0.578	0.577	0.576	0.592	0.556	0.568	0.575	2.07
29)	T	Tetrahydrofuran	0.293	0.348	0.321	0.337	0.317	0.340	0.326	6.17
30)	C	Chloroform	1.389	1.312	1.272	1.343	1.272	1.310	1.316	3.39#
31)	T	Cyclohexane		0.931	0.963	0.977	0.922	0.938	0.946	2.44
32)	T	1,1,1-Trichlor...	0.993	1.019	1.077	1.176	1.119	1.173	1.093	7.06
33)	S	1,2-Dichloroet...		0.934	0.778	0.921	0.862	0.888	0.877	7.09
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.353	0.298	0.367	0.360	0.354	0.346	7.95
36)	T	1,1-Dichloropr...	0.489	0.442	0.422	0.444	0.445	0.444	0.448	4.92
37)	T	Ethyl Acetate	0.536	0.512	0.551	0.581	0.565	0.574	0.553	4.68
38)	T	Carbon Tetrach...	0.484	0.443	0.432	0.501	0.502	0.529	0.482	7.77
39)	T	Methylcyclohexane	0.514	0.503	0.527	0.555	0.550	0.562	0.535	4.52
40)	TM	Benzene	1.353	1.353	1.332	1.410	1.353	1.353	1.359	1.93
41)	T	Methacrylonitrile	0.285	0.293	0.281	0.302	0.298	0.305	0.294	3.21
42)	TM	1,2-Dichloroet...	0.554	0.557	0.545	0.584	0.556	0.564	0.560	2.37
43)	T	Isopropyl Acetate	0.736	0.854	0.835	0.916	0.908	0.941	0.865	8.62
44)	TM	Trichloroethene	0.356	0.325	0.324	0.349	0.337	0.342	0.339	3.79
45)	C	1,2-Dichloropr...	0.368	0.345	0.330	0.357	0.341	0.342	0.347	3.81#
46)	T	Dibromomethane	0.247	0.267	0.259	0.286	0.276	0.281	0.269	5.53
47)	T	Bromodichlorom...	0.380	0.411	0.436	0.508	0.518	0.538	0.465	13.95
48)	T	Methyl methacr...	0.427	0.370	0.399	0.444	0.431	0.447	0.420	7.03
49)	T	1,4-Dioxane	0.005	0.007	0.007	0.008	0.008	0.008	0.007	15.81
50)	S	Toluene-d8		1.148	1.010	1.251	1.229	1.203	1.168	8.27
51)	T	4-Methyl-2-Pen...	0.506	0.551	0.547	0.590	0.561	0.582	0.556	5.37
52)	CM	Toluene	0.908	0.830	0.816	0.877	0.841	0.849	0.853	3.96#
53)	T	t-1,3-Dichloro...	0.338	0.357	0.439	0.514	0.526	0.558	0.455	20.32
54)	T	cis-1,3-Dichlo...	0.404	0.441	0.488	0.567	0.558	0.583	0.507	14.59
55)	T	1,1,2-Trichlor...	0.337	0.332	0.335	0.358	0.334	0.340	0.339	2.79

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X121124W.M

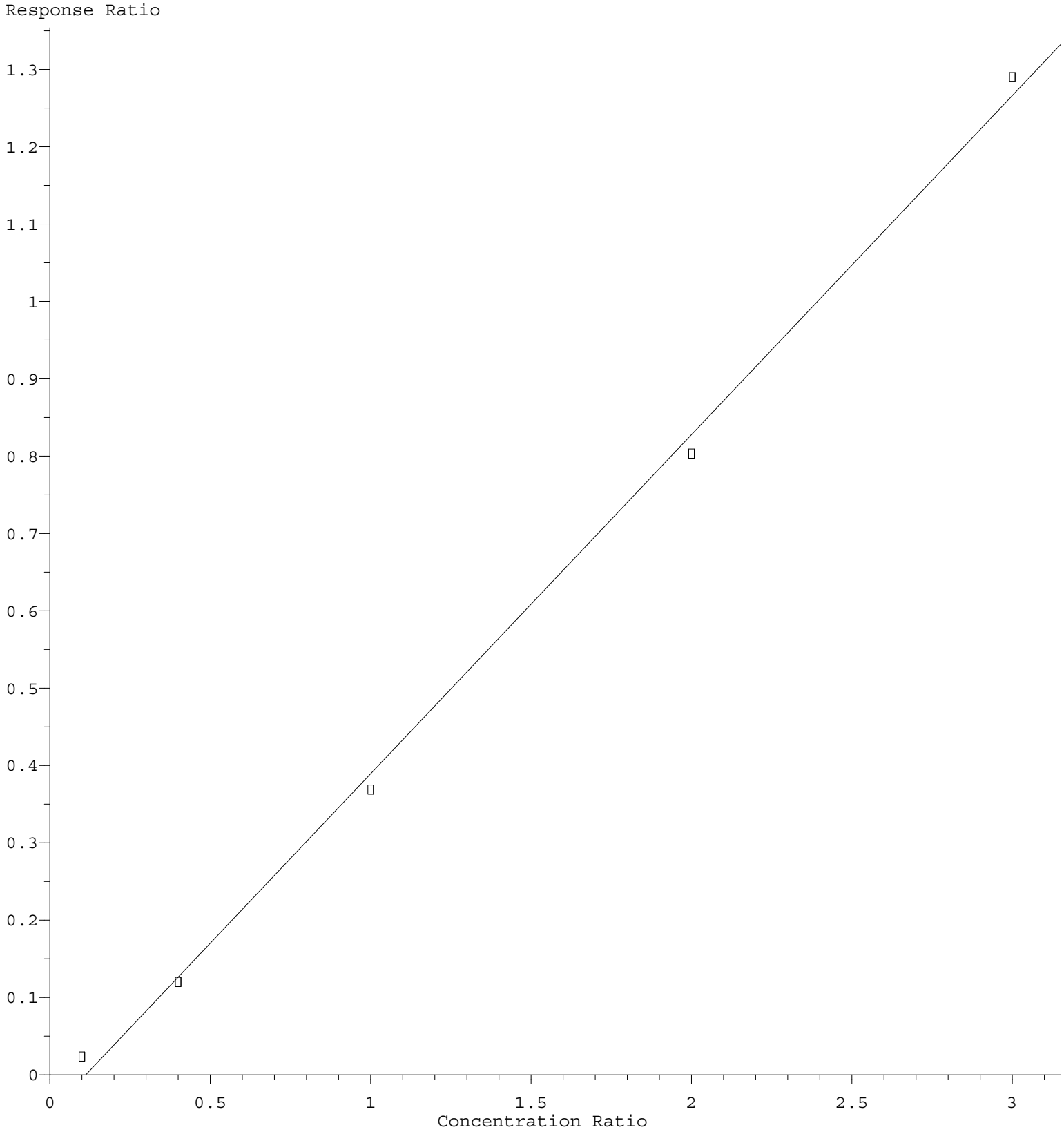
56)	T	Ethyl methacry...	0.491	0.458	0.517	0.577	0.575	0.593	0.535	10.23
57)	T	1,3-Dichloropr...	0.578	0.593	0.585	0.613	0.583	0.590	0.590	2.09
58)	T	2-Chloroethyl ...	0.222	0.268	0.256	0.293	0.285	0.296	0.270	10.47
59)	T	2-Hexanone	0.323	0.386	0.408	0.439	0.420	0.438	0.403	10.82
60)	T	Dibromochlorom...	0.254	0.248	0.306	0.370	0.378	0.398	0.326	20.17
61)	T	1,2-Dibromoethane	0.303	0.322	0.344	0.369	0.364	0.370	0.345	8.06
62)	S	4-Bromofluorob...		0.390	0.351	0.442	0.432	0.426	0.408	9.23
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.359	0.354	0.317	0.321	0.312	0.327	0.332	5.96
65)	PM	Chlorobenzene	1.130	1.068	1.039	1.088	1.036	1.067	1.071	3.27
66)	T	1,1,1,2-Tetrac...	0.301	0.305	0.334	0.375	0.368	0.383	0.344	10.47
67)	C	Ethyl Benzene	1.853	1.806	1.816	1.927	1.831	1.875	1.851	2.42#
68)	T	m/p-Xylenes	0.653	0.660	0.665	0.707	0.683	0.707	0.679	3.50
69)	T	o-Xylene	0.686	0.683	0.685	0.703	0.671	0.697	0.687	1.64
70)	T	Styrene	1.007	1.019	1.099	1.162	1.148	1.177	1.102	6.70
71)	P	Bromoform	0.137	0.173	0.194	0.247	0.269	0.297	0.219	28.02
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.665	3.976	3.920	3.912	3.747	3.747	3.828	3.25
74)	T	N-amyl acetate	1.435	1.620	1.773	1.916	1.901	1.967	1.769	11.64
75)	P	1,1,2,2-Tetrac...	1.410	1.350	1.332	1.336	1.256	1.293	1.329	3.93
76)	T	1,2,3-Trichlor...	1.272	1.075	1.113	1.124	1.059	1.055	1.116	7.30
77)	T	Bromobenzene	1.009	0.934	0.890	0.942	0.899	0.895	0.928	4.87
78)	T	n-propylbenzene	3.739	4.263	4.319	4.502	4.283	4.277	4.231	6.06
79)	T	2-Chlorotoluene	2.940	2.847	2.707	2.771	2.582	2.569	2.736	5.36
80)	T	1,3,5-Trimethy...	3.066	3.222	3.224	3.308	3.097	3.128	3.174	2.90
81)	T	trans-1,4-Dich...		0.236	0.300	0.369	0.402	0.430	0.347	22.67
82)	T	4-Chlorotoluene	2.964	3.051	3.013	3.114	3.011	3.026	3.030	1.65
83)	T	tert-Butylbenzene	3.170	3.077	3.105	3.259	3.106	3.106	3.137	2.14
84)	T	1,2,4-Trimethy...	2.699	3.254	3.207	3.290	3.148	3.105	3.117	6.92
85)	T	sec-Butylbenzene	3.679	3.748	3.840	3.986	3.804	3.793	3.808	2.70
86)	T	p-Isopropyltol...	2.949	3.061	3.254	3.347	3.197	3.211	3.170	4.49
87)	T	1,3-Dichlorobe...	1.519	1.634	1.640	1.683	1.625	1.628	1.621	3.35
88)	T	1,4-Dichlorobe...	1.811	1.640	1.632	1.672	1.621	1.623	1.667	4.39
89)	T	n-Butylbenzene	2.249	2.387	2.659	2.844	2.889	2.964	2.665	10.90
90)	T	Hexachloroethane	0.358	0.396	0.406	0.507	0.542	0.567	0.463	18.85
91)	T	1,2-Dichlorobe...	1.745	1.666	1.668	1.726	1.654	1.643	1.683	2.46
92)	T	1,2-Dibromo-3-...	0.222	0.226	0.241	0.273	0.279	0.306	0.258	13.01
93)	T	1,2,4-Trichlor...	0.770	0.827	0.891	0.978	1.013	1.058	0.923	12.16
94)	T	Hexachlorobuta...	0.390	0.349	0.367	0.369	0.371	0.381	0.371	3.75
95)	T	Naphthalene	2.925	3.346	3.629	3.835	3.866	4.015	3.603	11.24
96)	T	1,2,3-Trichlor...	0.854	0.885	0.984	1.019	1.055	1.077	0.979	9.30

(#) = Out of Range

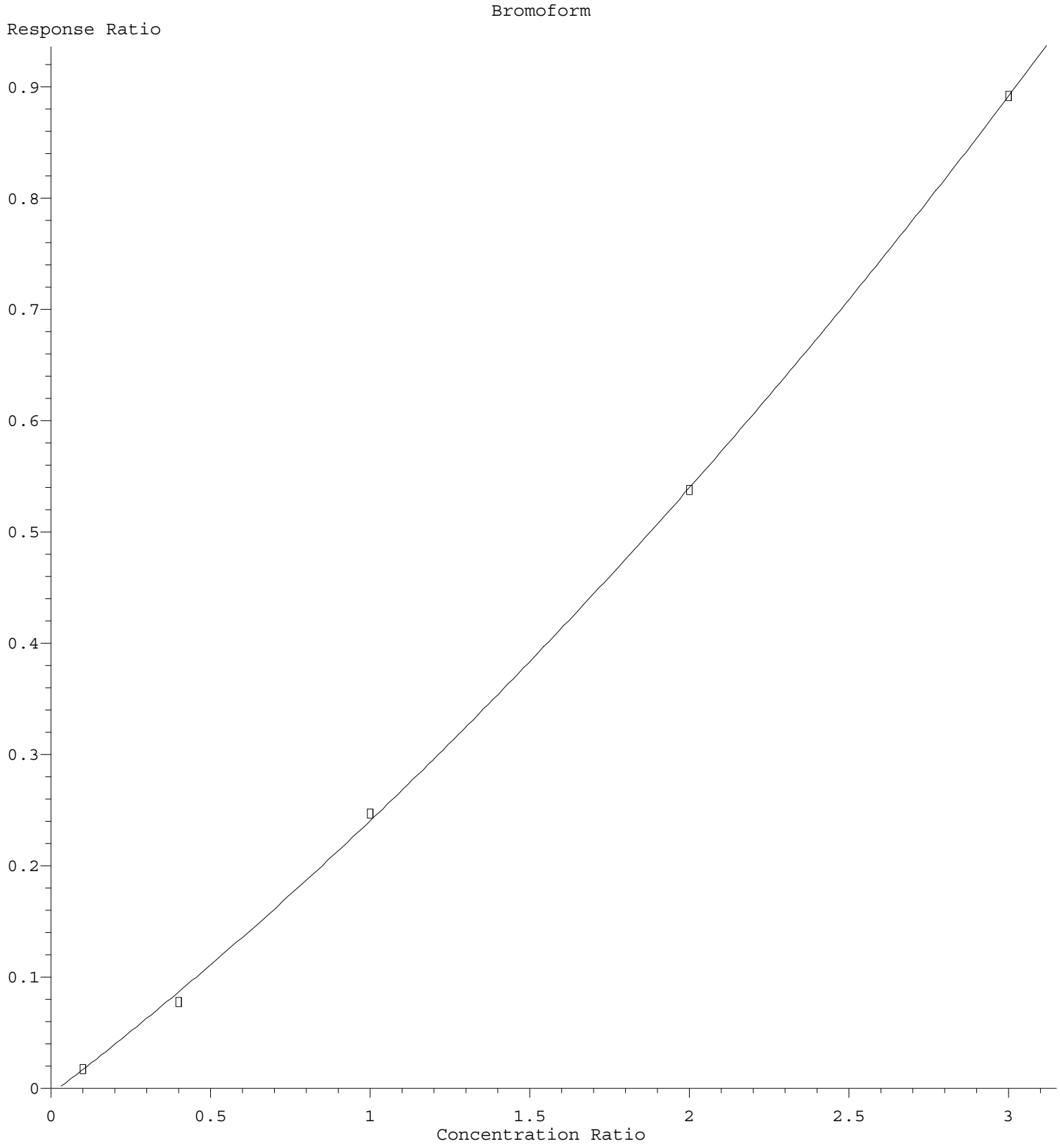


R = 2.599e-002 A*A + 4.830e-001 A - 9.631e-003
Coef of Det (r^2) = 0.999780 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X121124W.M
Calibration Table Last Updated: Thu Dec 12 04:28:14 2024

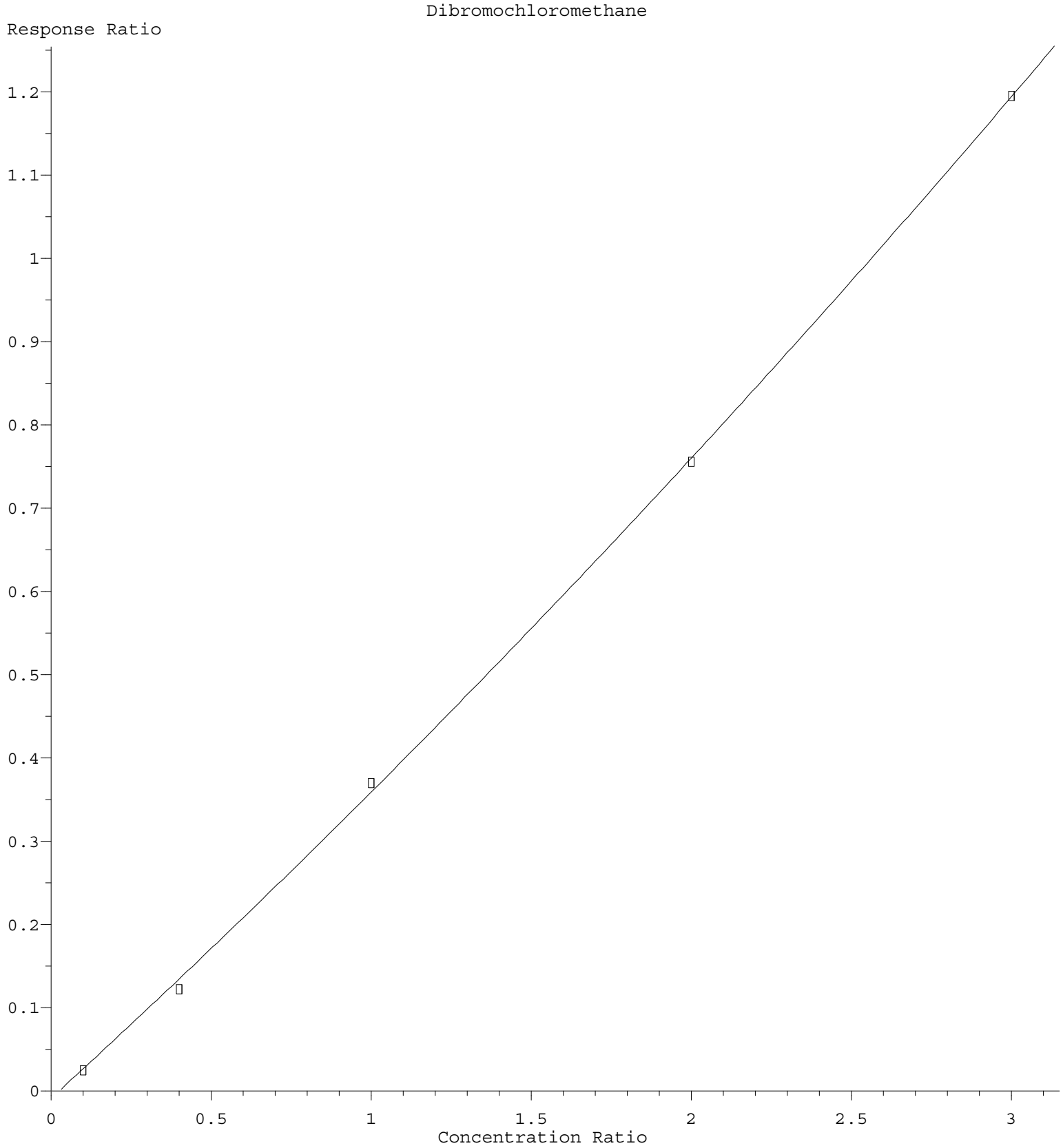
trans-1,4-Dichloro-2-butene



Response = 4.385e-001 * Amt - 4.893e-002
Coef of Det (r^2) = 0.997764 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X121124W.M
Calibration Table Last Updated: Thu Dec 12 04:28:14 2024



R = 2.648e-002 A*A + 2.195e-001 A - 5.414e-003
Coef of Det (r^2) = 0.999777 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X121124W.M
Calibration Table Last Updated: Thu Dec 12 04:28:14 2024



R = 1.660e-002 A*A + 3.511e-001 A - 8.656e-003
Coef of Det (r^2) = 0.999705 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X121124W.M
Calibration Table Last Updated: Thu Dec 12 04:28:14 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044219.D
Acq On : 11 Dec 2024 10:41
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 12 04:12:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	141947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	253574	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	213862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88334	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount 50.000	Range 74 - 125		Recovery = 0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount 50.000	Range 75 - 124		Recovery = 0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount 50.000	Range 86 - 113		Recovery = 0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount 50.000	Range 77 - 121		Recovery = 0.000%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	2491	1.135	ug/l	98
3) Chloromethane	1.300	50	2109	1.005	ug/l	98
4) Vinyl Chloride	1.373	62	2285	1.045	ug/l #	85
6) Chloroethane	1.672	64	1316m	0.967	ug/l	
7) Trichlorofluoromethane	1.867	101	4491	1.049	ug/l	96
8) Diethyl Ether	2.129	74	1651	1.130	ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.318	101	1796	1.037	ug/l	95
12) 1,1-Dichloroethene	2.306	96	1454	0.914	ug/l	90
14) Allyl chloride	2.660	41	2551	0.963	ug/l #	91
15) Acrylonitrile	3.068	53	4528	4.660	ug/l	98
16) Acetone	2.385	43	5096	5.022	ug/l	97
17) Carbon Disulfide	2.501	76	2387	0.789	ug/l	99
18) Methyl Acetate	2.702	43	2739	1.047	ug/l #	86
19) Methyl tert-butyl Ether	3.117	73	5832	0.939	ug/l #	91
20) Methylene Chloride	2.776	84	1928	1.012	ug/l #	74
21) trans-1,2-Dichloroethene	3.080	96	1703	1.007	ug/l #	79
22) Diisopropyl ether	3.763	45	5792	0.971	ug/l #	83
23) Vinyl Acetate	3.733	43	17578	3.623	ug/l	100
24) 1,1-Dichloroethane	3.605	63	3040	0.914	ug/l	96
25) 2-Butanone	4.586	43	6380	4.423	ug/l	96
26) 2,2-Dichloropropane	4.464	77	2220	0.821	ug/l	85
27) cis-1,2-Dichloroethene	4.489	96	2296	1.069	ug/l	81
28) Bromochloromethane	4.909	49	1641	1.006	ug/l #	72
29) Tetrahydrofuran	5.025	42	4158	4.491	ug/l #	84
30) Chloroform	5.086	83	3943	1.055	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	2818	0.908	ug/l #	48
36) 1,1-Dichloropropene	5.696	75	2479m	1.092	ug/l	
37) Ethyl Acetate	4.727	43	2718	0.969	ug/l #	71
38) Carbon Tetrachloride	5.678	117	2454	1.004	ug/l #	73
39) Methylcyclohexane	7.366	83	2606	0.960	ug/l	93
40) Benzene	6.037	78	6864	0.996	ug/l	92
41) Methacrylonitrile	4.946	41	1447m	0.971	ug/l	
42) 1,2-Dichloroethane	6.092	62	2810	0.990	ug/l	93
43) Isopropyl Acetate	6.354	43	3734	0.851	ug/l	98
44) Trichloroethene	7.122	130	1806	1.051	ug/l	71
45) 1,2-Dichloropropane	7.433	63	1865	1.059	ug/l #	74

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044219.D
Acq On : 11 Dec 2024 10:41
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Dec 12 04:12:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Dibromomethane	7.592	93	1251	0.916 ug/l	97
47) Bromodichloromethane	7.830	83	1926	0.816 ug/l #	74
48) Methyl methacrylate	7.720	41	2168	1.018 ug/l #	77
49) 1,4-Dioxane	7.702	88	492m	13.522 ug/l	
51) 4-Methyl-2-Pentanone	8.579	43	12824	4.547 ug/l	95
52) Toluene	8.720	92	4606	1.064 ug/l	92
53) t-1,3-Dichloropropene	8.988	75	1716	1.694 ug/l #	78
54) cis-1,3-Dichloropropene	8.366	75	2048	0.797 ug/l #	75
55) 1,1,2-Trichloroethane	9.159	97	1710	0.994 ug/l #	83
56) Ethyl methacrylate	9.128	69	2490	0.917 ug/l #	85
57) 1,3-Dichloropropane	9.317	76	2929	0.979 ug/l	94
58) 2-Chloroethyl Vinyl ether	8.244	63	5621	4.105 ug/l	96
59) 2-Hexanone	9.439	43	8199	4.017 ug/l	98
60) Dibromochloromethane	9.524	129	1289	1.953 ug/l	97
61) 1,2-Dibromoethane	9.610	107	1535	0.877 ug/l	95
64) Tetrachloroethene	9.274	164	1536	1.082 ug/l	86
65) Chlorobenzene	10.079	112	4835	1.055 ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.158	131	1288	0.875 ug/l #	63
67) Ethyl Benzene	10.195	91	7924	1.001 ug/l #	88
68) m/p-Xylenes	10.305	106	5583	1.922 ug/l	98
69) o-Xylene	10.640	106	2933	0.998 ug/l	96
70) Styrene	10.658	104	4306	0.914 ug/l	94
71) Bromoform	10.805	173	584	1.847 ug/l #	72
73) Isopropylbenzene	10.963	105	6474	0.957 ug/l	100
74) N-amyl acetate	10.847	43	2536	0.811 ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.219	83	2491	1.061 ug/l	95
76) 1,2,3-Trichloropropane	11.244	75	2248m	1.121 ug/l	
77) Bromobenzene	11.201	156	1783	1.087 ug/l	91
78) n-propylbenzene	11.305	91	6606	0.884 ug/l	86
79) 2-Chlorotoluene	11.366	91	5194	1.075 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	5417	0.966 ug/l	98
82) 4-Chlorotoluene	11.457	91	5236	0.978 ug/l	98
83) tert-Butylbenzene	11.713	119	5601	1.011 ug/l	91
84) 1,2,4-Trimethylbenzene	11.756	105	4769	0.866 ug/l	95
85) sec-Butylbenzene	11.890	105	6500	0.966 ug/l	99
86) p-Isopropyltoluene	12.012	119	5210	0.930 ug/l	93
87) 1,3-Dichlorobenzene	11.975	146	2684	0.937 ug/l	94
88) 1,4-Dichlorobenzene	12.042	146	3200m	1.087 ug/l	
89) n-Butylbenzene	12.335	91	3973	0.844 ug/l	94
90) Hexachloroethane	12.536	117	632	0.773 ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	3082	1.036 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	392	0.860 ug/l	70
93) 1,2,4-Trichlorobenzene	13.591	180	1361	0.835 ug/l	92
94) Hexachlorobutadiene	13.725	225	689	1.051 ug/l	96
95) Naphthalene	13.780	128	5167	0.812 ug/l #	94
96) 1,2,3-Trichlorobenzene	13.963	180	1509	0.873 ug/l	95

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

Quantitation Report (QT Reviewed)

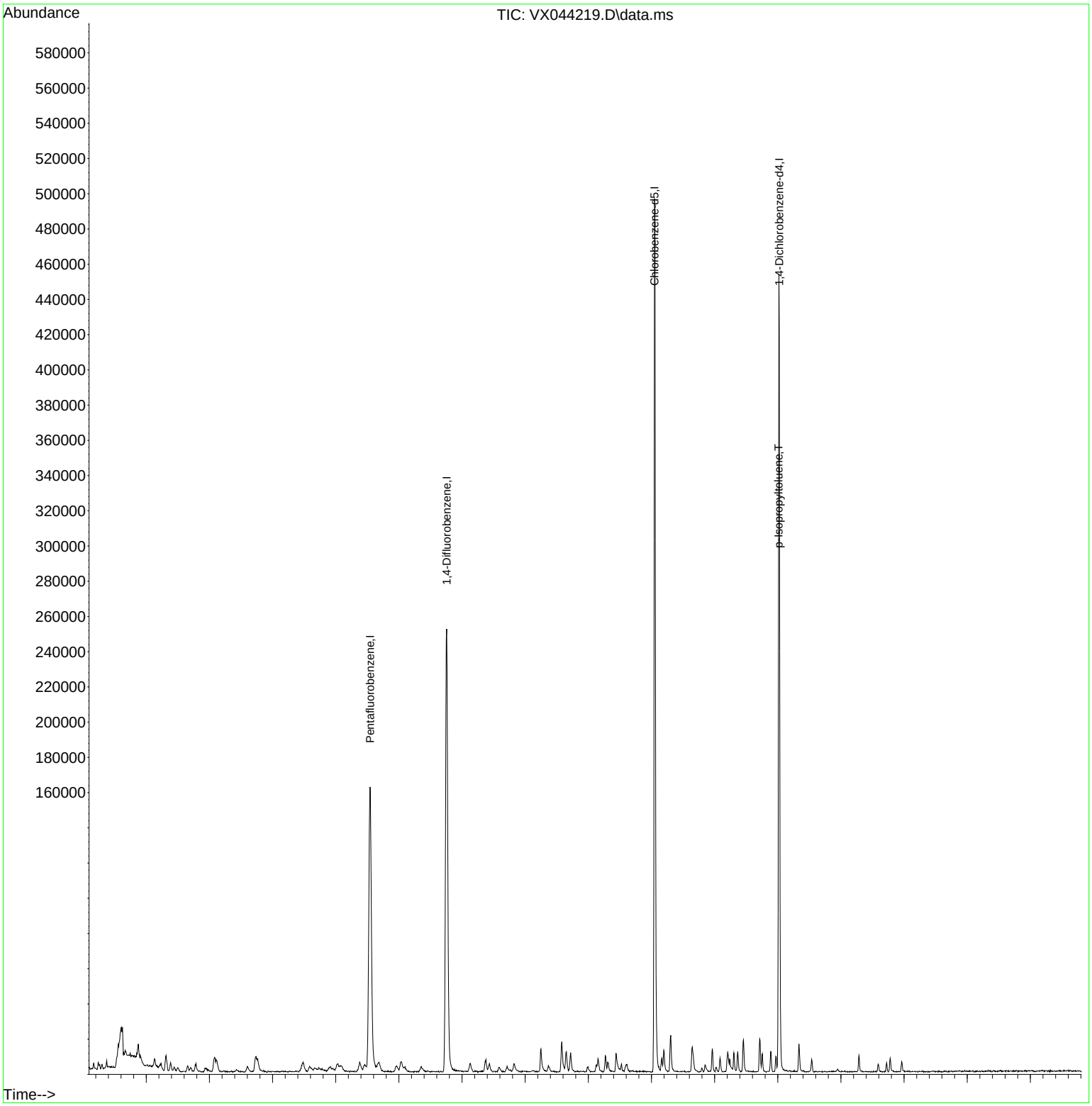
ICAL Form

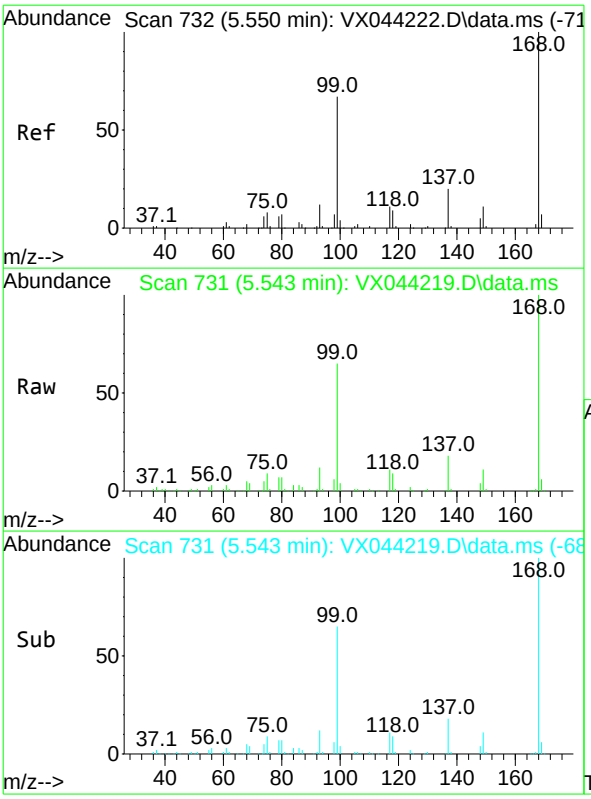
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044219.D
Acq On : 11 Dec 2024 10:41
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 12 04:12:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 73
Delta R.T. -0.007 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:168 Resp: 141947

Ion	Ratio	Lower	Upper
168	100		
99	64.9	53.4	80.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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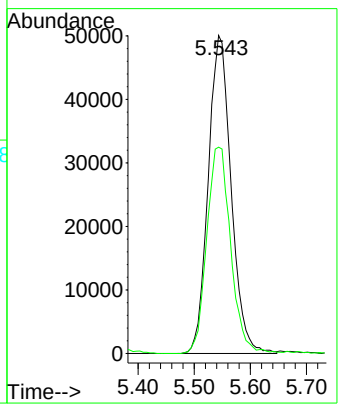
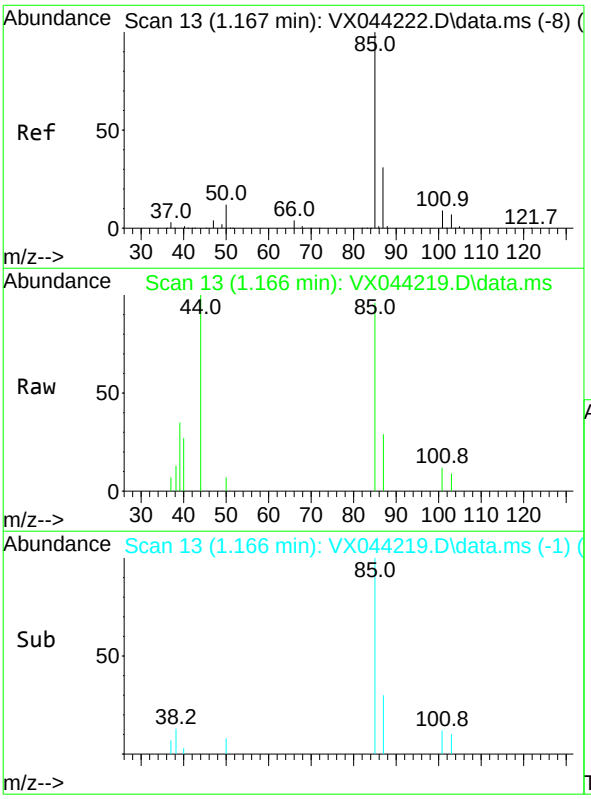
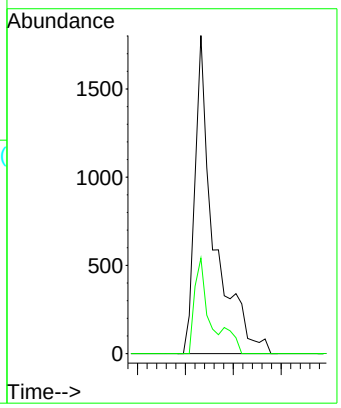


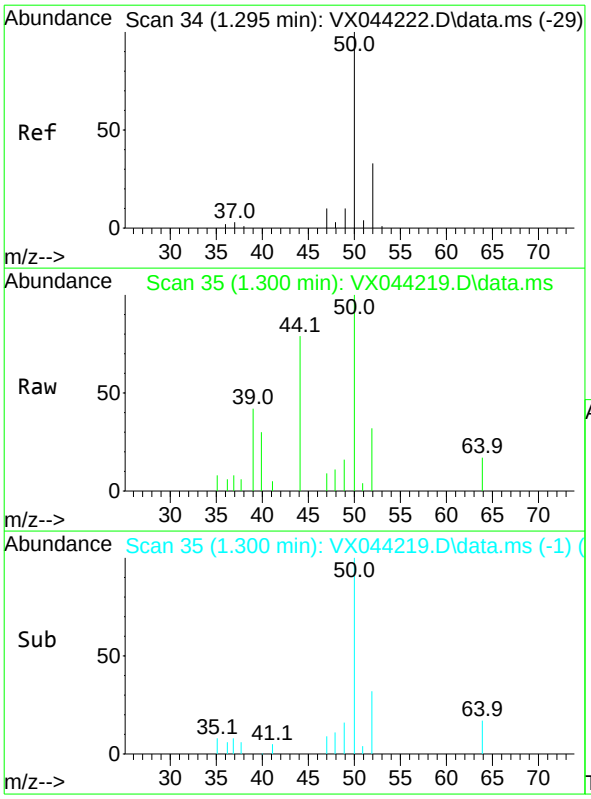


#2
Dichlorodifluoromethane
Concen: 1.135 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 85 Resp: 2491

Ion	Ratio	Lower	Upper
85	100		
87	30.0	15.4	46.4





#3
Chloromethane
Concen: 1.005 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 50 Resp: 2109

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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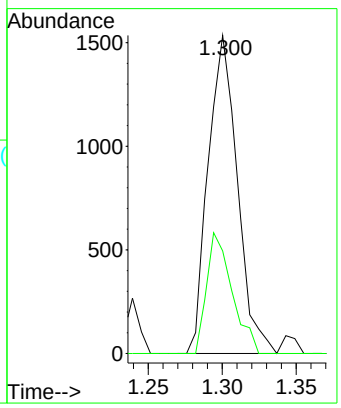
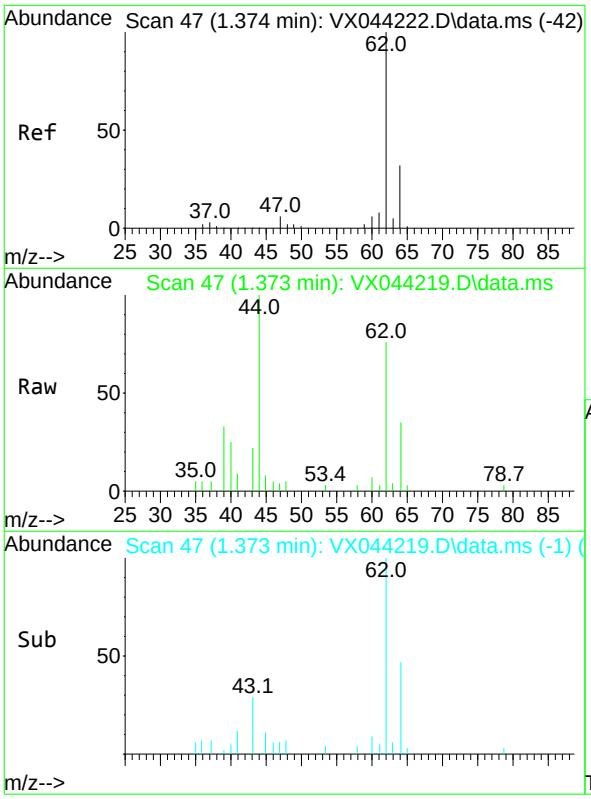
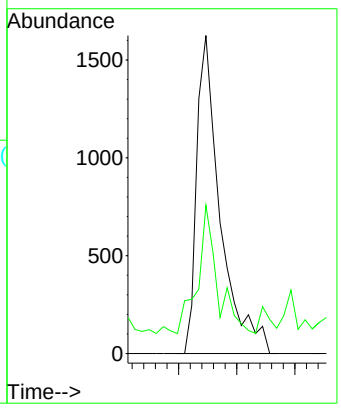


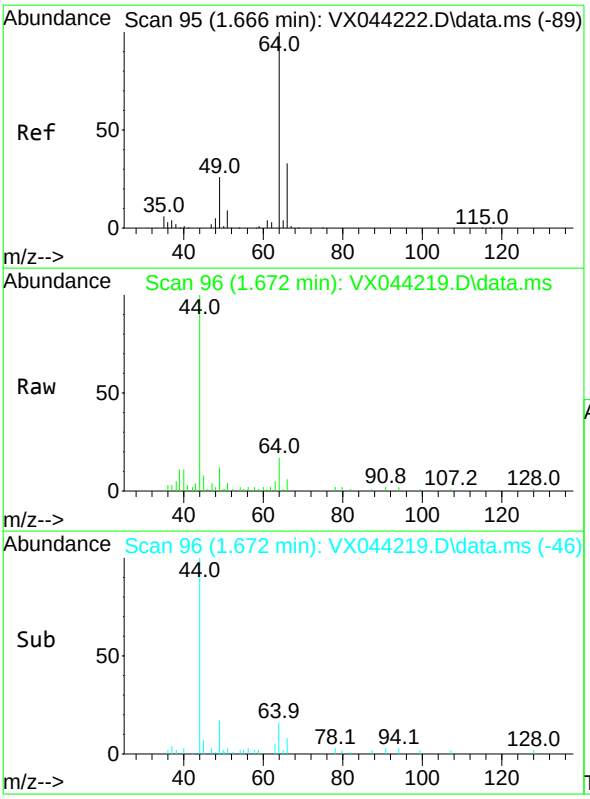


#4
Vinyl Chloride
Concen: 1.045 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 62 Resp: 2285

Ion	Ratio	Lower	Upper
62	100		
64	40.3	25.7	38.5#





#6
Chloroethane
Concen: 0.967 ug/l m
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 64 Resp: 1316

Ion	Ratio	Lower	Upper
64	100		
66	33.5	26.6	39.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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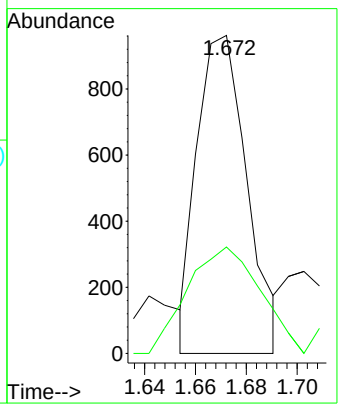
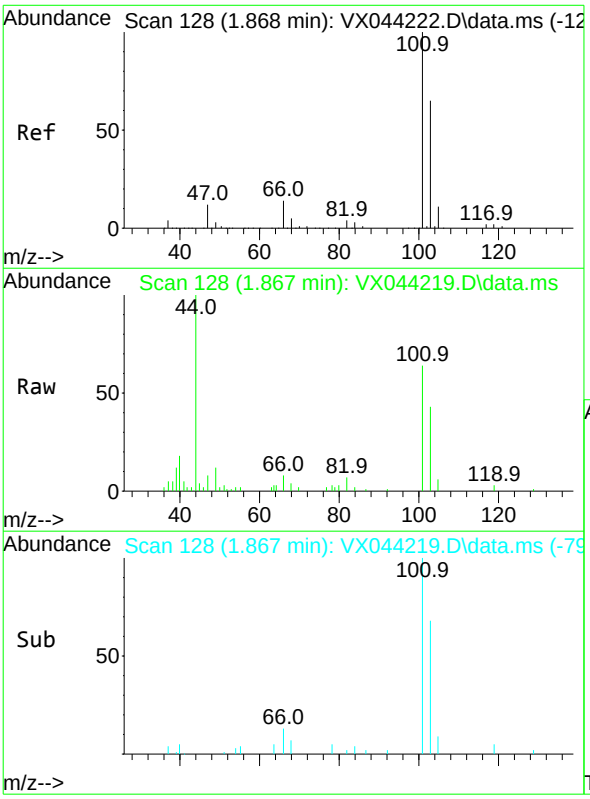
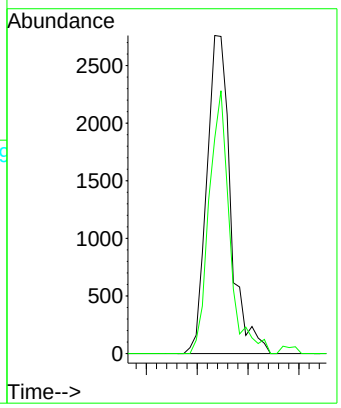


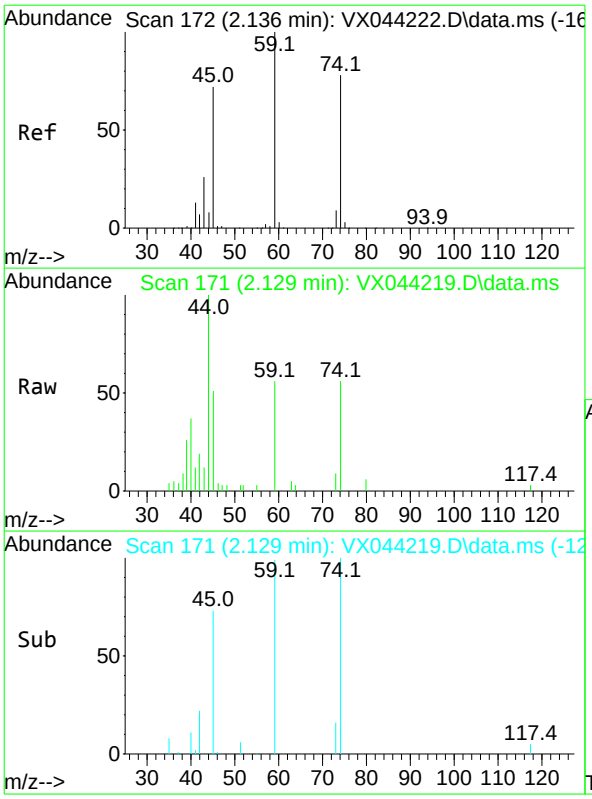


#7
Trichlorofluoromethane
Concen: 1.049 ug/l
RT: 1.867 min Scan# 128
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:101 Resp: 4491

Ion	Ratio	Lower	Upper
101	100		
103	67.7	51.8	77.8





#8
Diethyl Ether
Concen: 1.130 ug/l
RT: 2.129 min Scan# 17
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 74 Resp: 1651

Ion	Ratio	Lower	Upper
74	100		
45	118.0	48.4	145.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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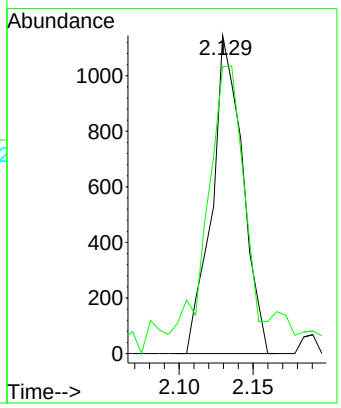
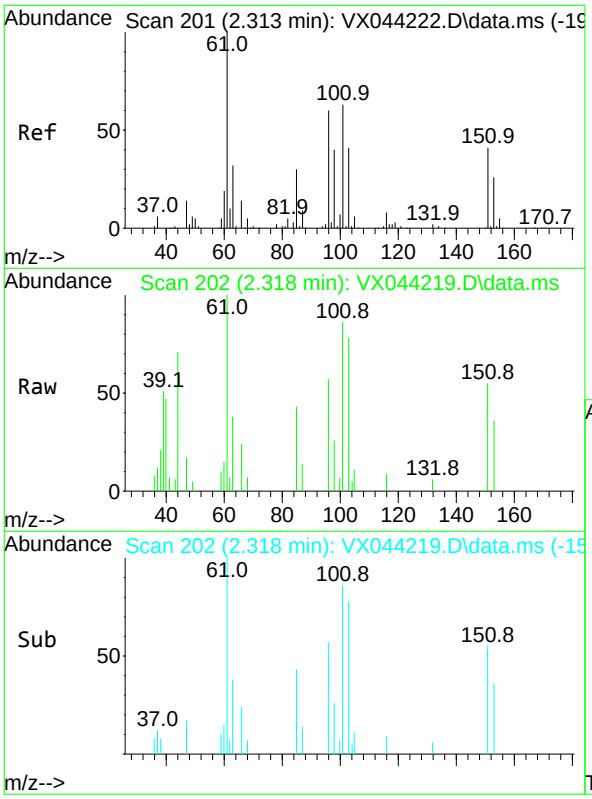
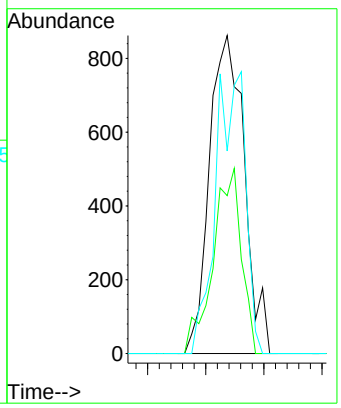


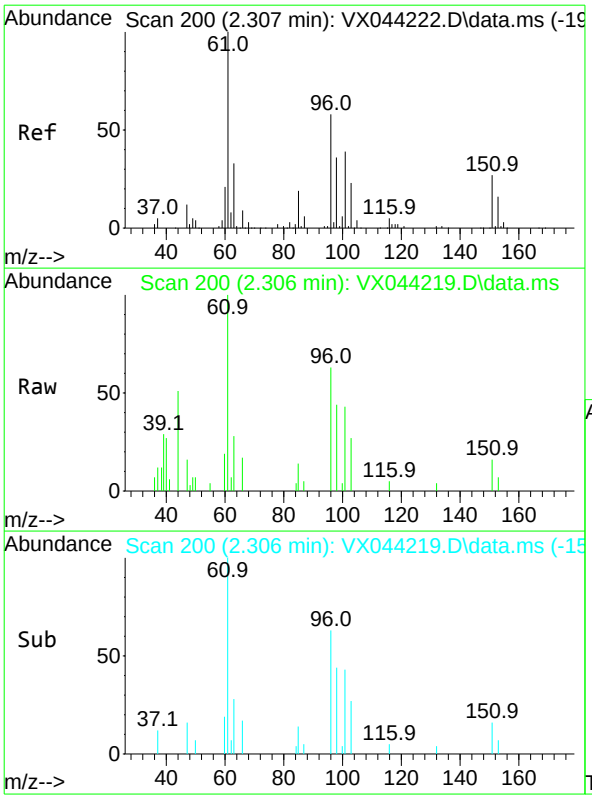


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.037 ug/l
RT: 2.318 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:101 Resp: 1796

Ion	Ratio	Lower	Upper
101	100		
85	47.3	38.5	57.7
151	76.1	55.8	83.6





#12
1,1-Dichloroethene
Concen: 0.914 ug/l
RT: 2.306 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 96 Resp: 1454

Ion	Ratio	Lower	Upper
96	100		
61	158.9	138.0	207.0
98	70.0	50.0	75.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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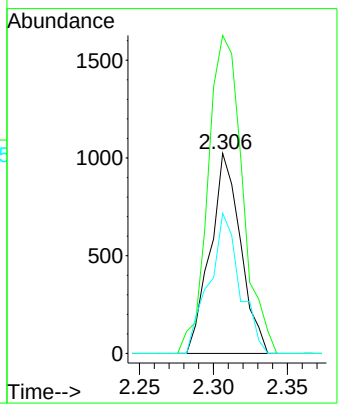
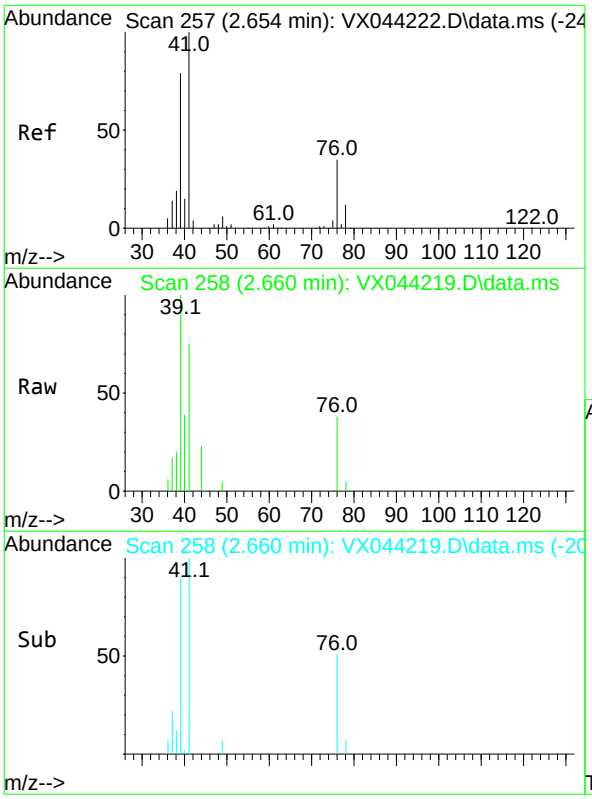
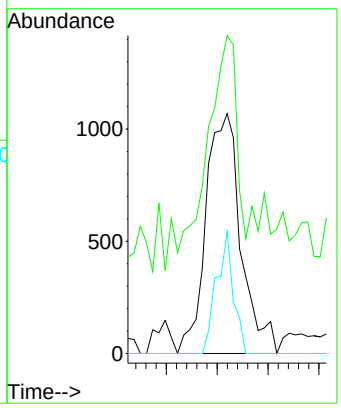


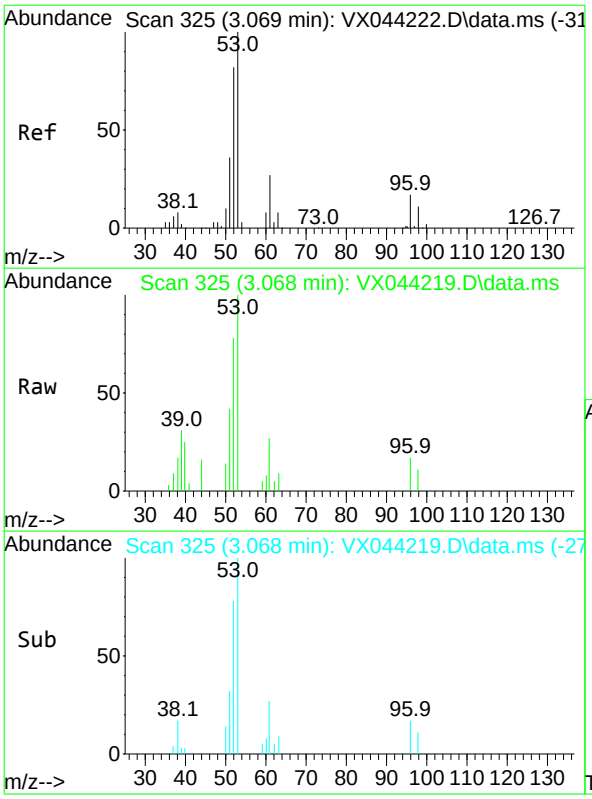


#14
Allyl chloride
Concen: 0.963 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 41 Resp: 2551

Ion	Ratio	Lower	Upper
41	100		
39	72.6	61.9	92.9
76	24.6	27.4	41.2#





#15
Acrylonitrile
Concen: 4.660 ug/l
RT: 3.068 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 53 Resp: 4528

Ion	Ratio	Lower	Upper
53	100		
52	81.4	67.4	101.0
51	38.3	30.3	45.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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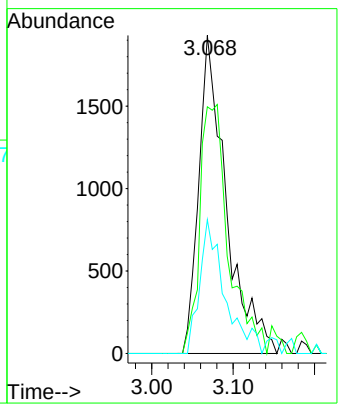
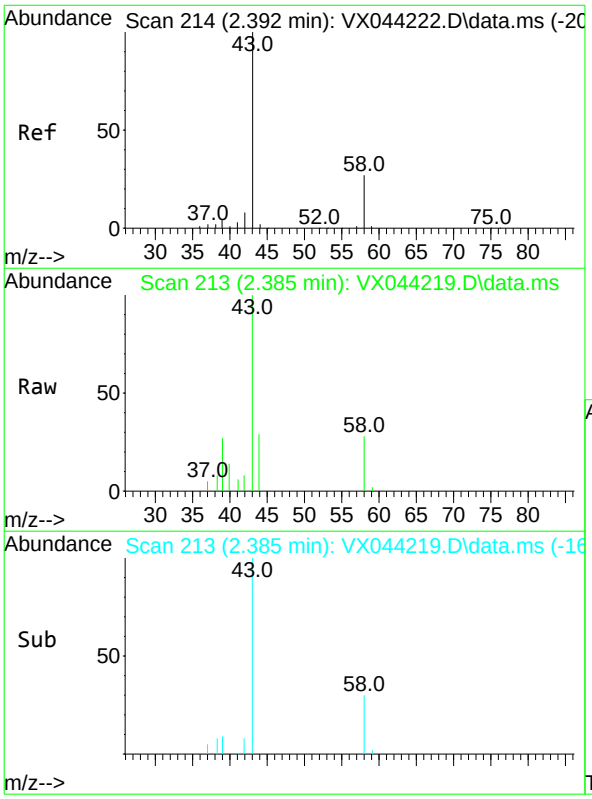
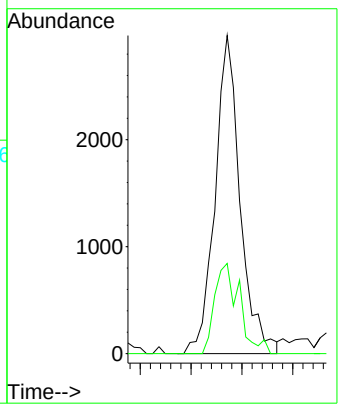


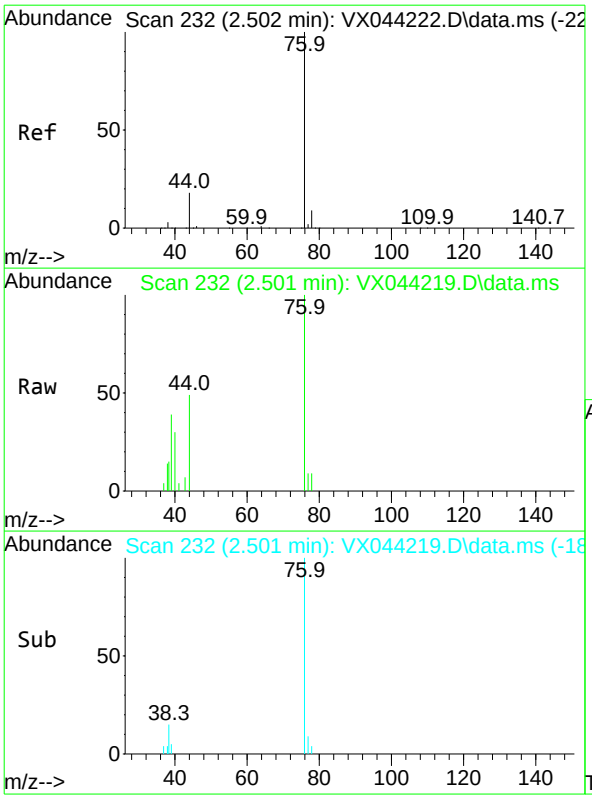


#16
Acetone
Concen: 5.022 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 43 Resp: 5096

Ion	Ratio	Lower	Upper
43	100		
58	28.3	21.6	32.4





#17
Carbon Disulfide
Concen: 0.789 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 76 Resp: 2387

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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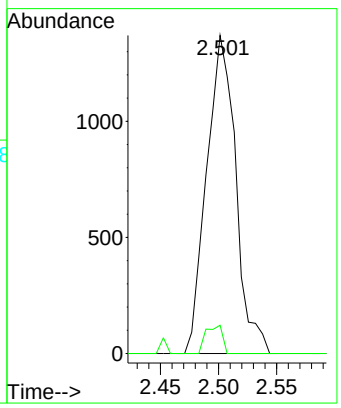
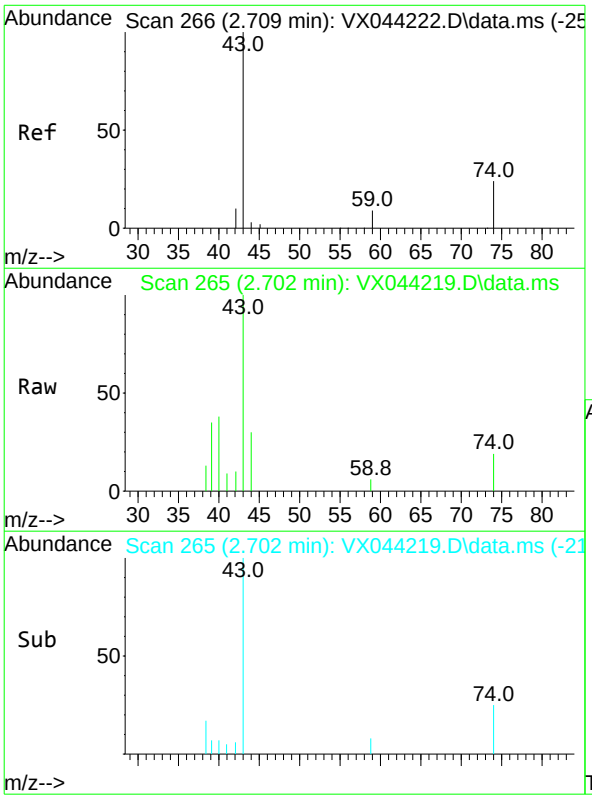
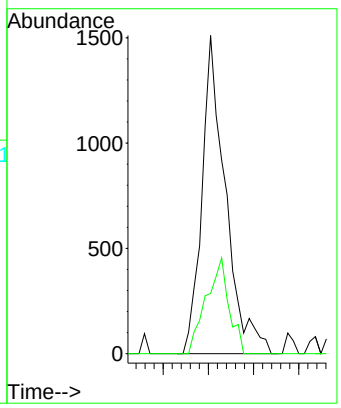


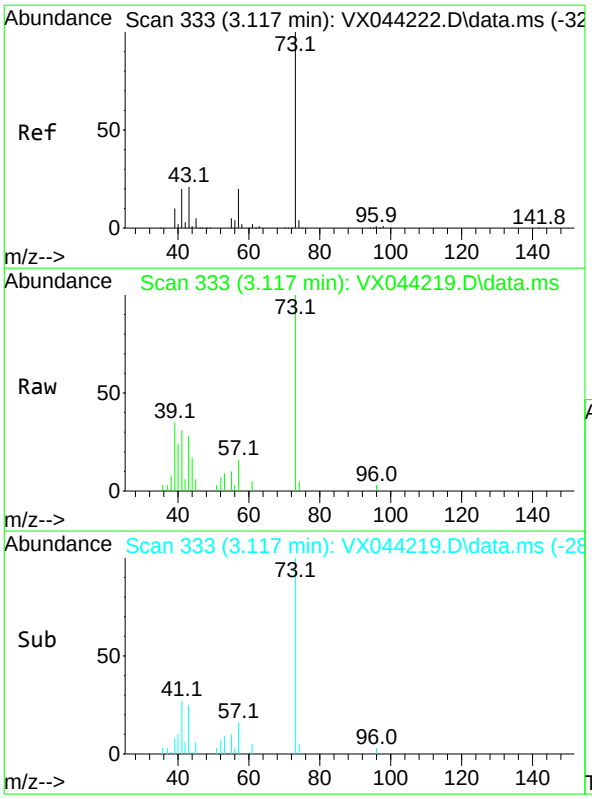


#18
Methyl Acetate
Concen: 1.047 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 43 Resp: 2739

Ion	Ratio	Lower	Upper
43	100		
74	28.9	17.7	26.5#





#19
Methyl tert-butyl Ether
Concen: 0.939 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 73 Resp: 5832

Ion	Ratio	Lower	Upper
73	100		
57	16.0	16.2	24.4#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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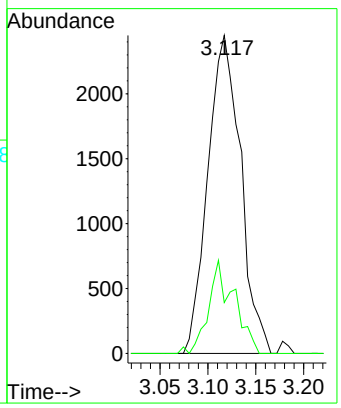
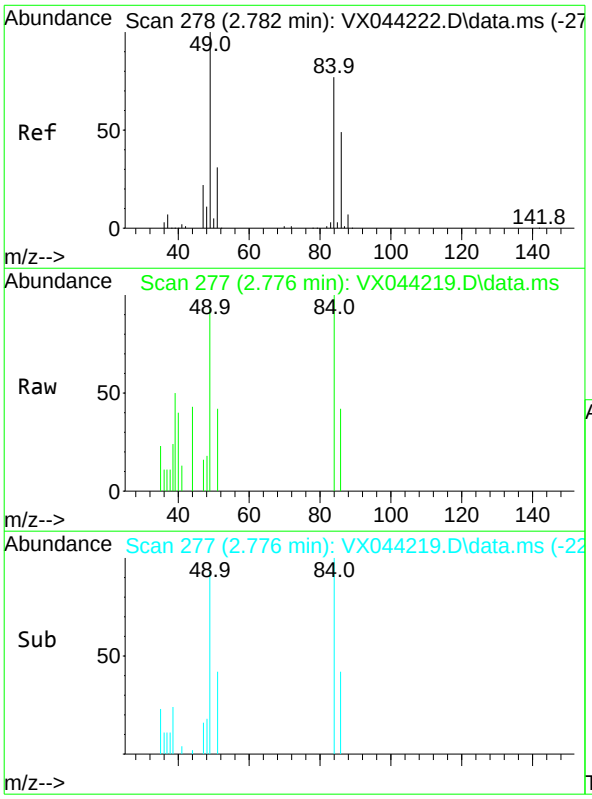
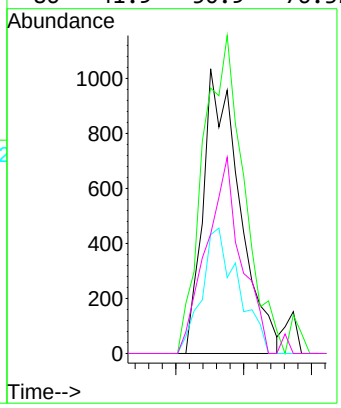


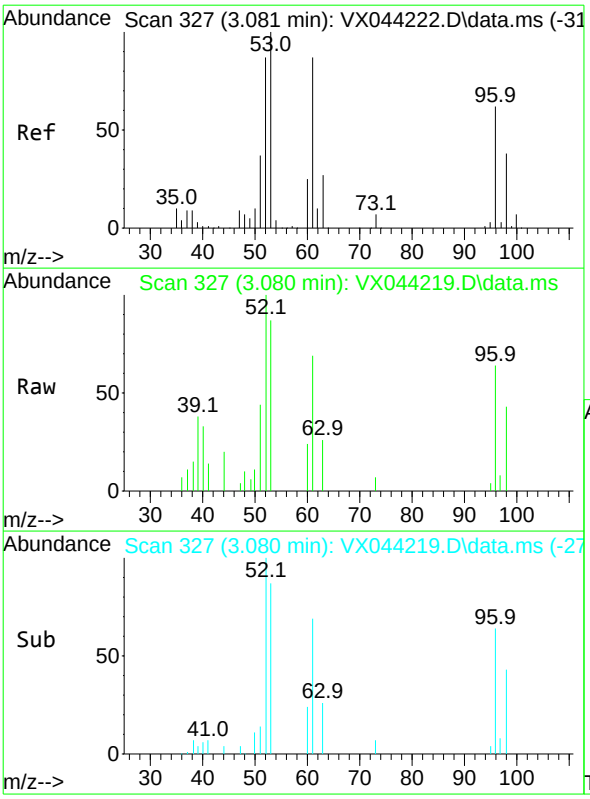


#20
Methylene Chloride
Concen: 1.012 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 84 Resp: 1928

Ion	Ratio	Lower	Upper
84	100		
49	93.2	104.2	156.4#
51	41.7	32.2	48.4
86	41.9	50.9	76.3#





#21
trans-1,2-Dichloroethene
Concen: 1.007 ug/l
RT: 3.080 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 96 Resp: 1703

Ion	Ratio	Lower	Upper
96	100		
61	108.1	112.0	168.0#
98	67.7	48.8	73.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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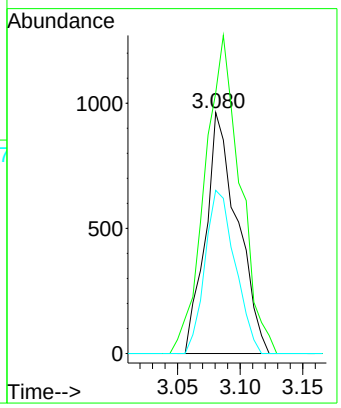
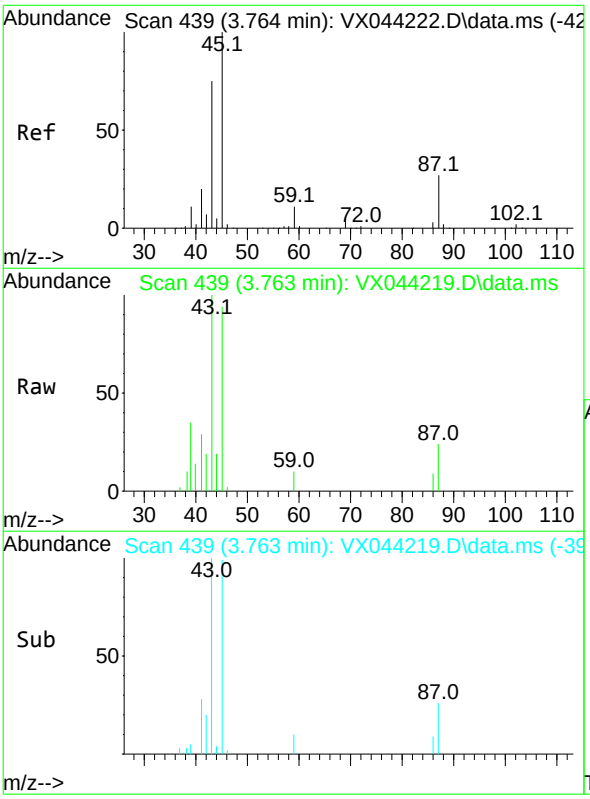
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

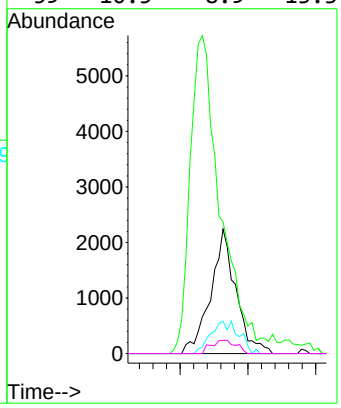


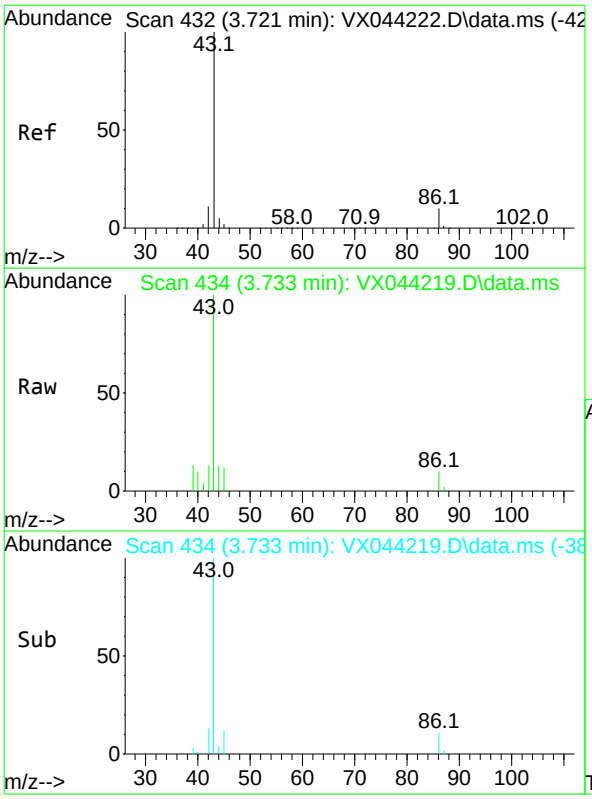


#22
Diisopropyl ether
Concen: 0.971 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 45 Resp: 5792

Ion	Ratio	Lower	Upper
45	100		
43	96.8	60.2	90.2#
87	25.9	21.2	31.8
59	10.5	8.9	13.3





#23
Vinyl Acetate
Concen: 3.623 ug/l
RT: 3.733 min Scan# 43
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 43 Resp: 17578

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.2	12.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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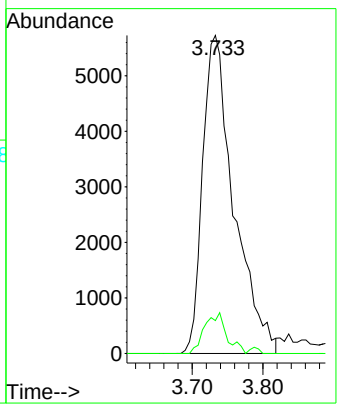
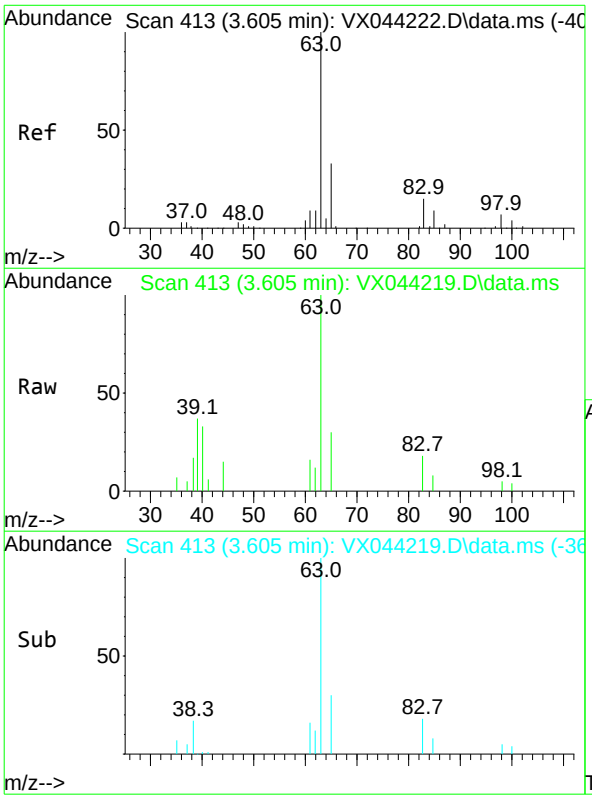
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

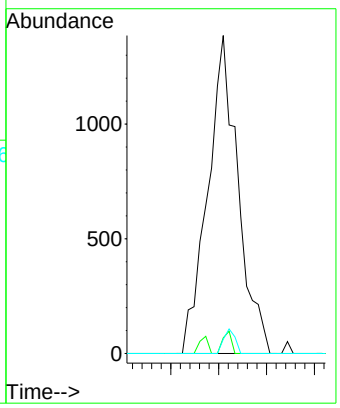


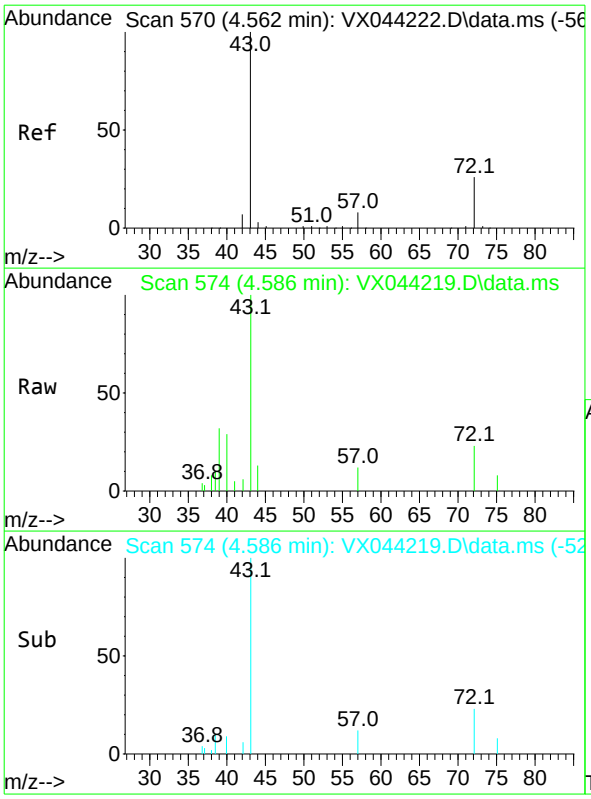


#24
1,1-Dichloroethane
Concen: 0.914 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 63 Resp: 3040

Ion	Ratio	Lower	Upper
63	100		
98	4.9	3.6	10.8
100	4.5	2.1	6.3





#25
2-Butanone
Concen: 4.423 ug/l
RT: 4.586 min Scan# 57
Delta R.T. 0.024 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 43 Resp: 6380

Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.2	30.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 12/12/2024
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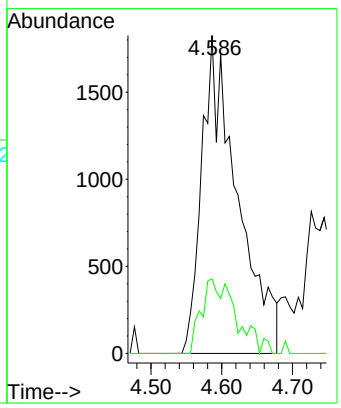
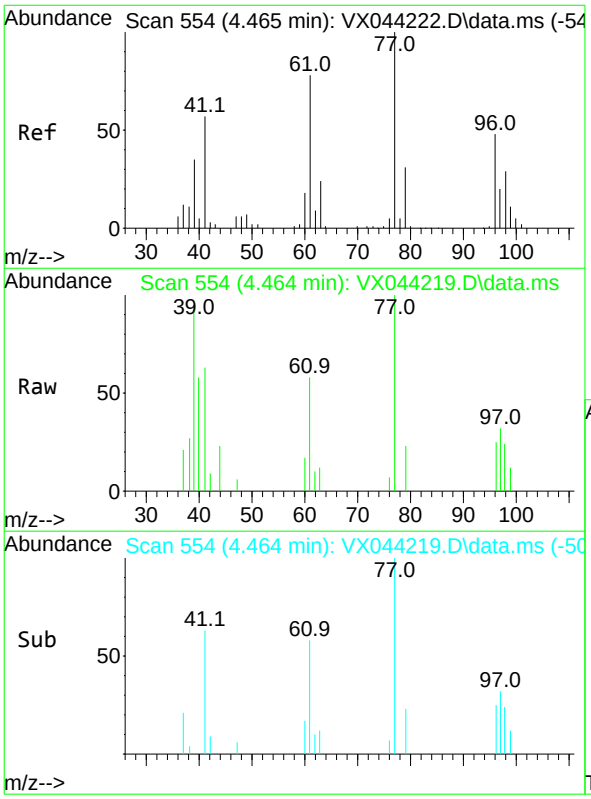
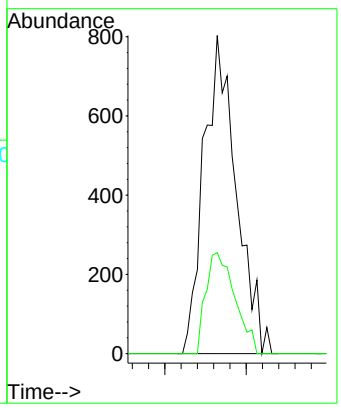


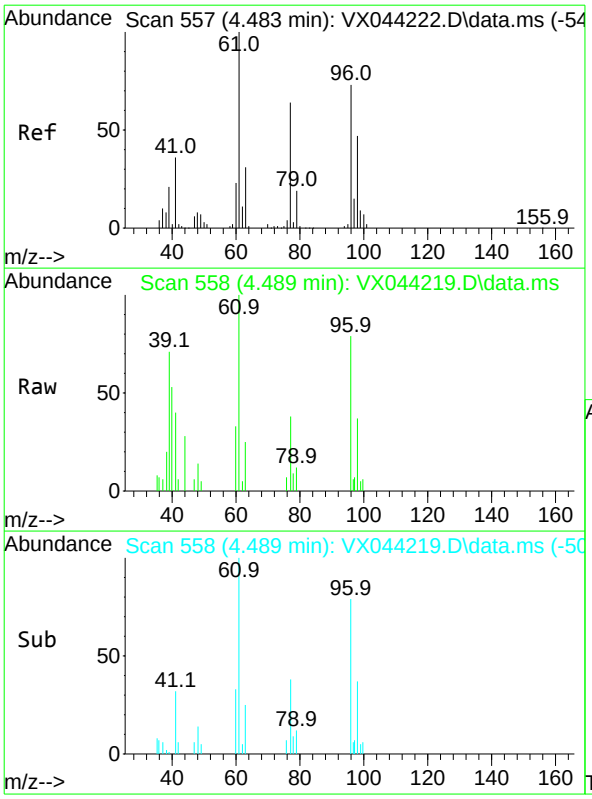


#26
2,2-Dichloropropane
Concen: 0.821 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 77 Resp: 2220

Ion	Ratio	Lower	Upper
77	100		
97	28.4	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 1.069 ug/l
RT: 4.489 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

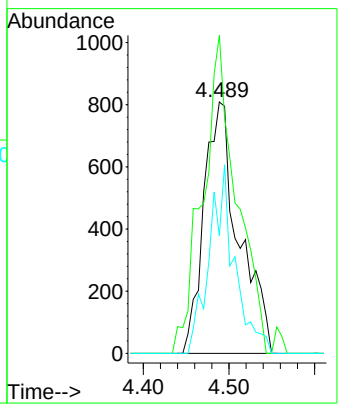
Tgt Ion: 96 Resp: 2296

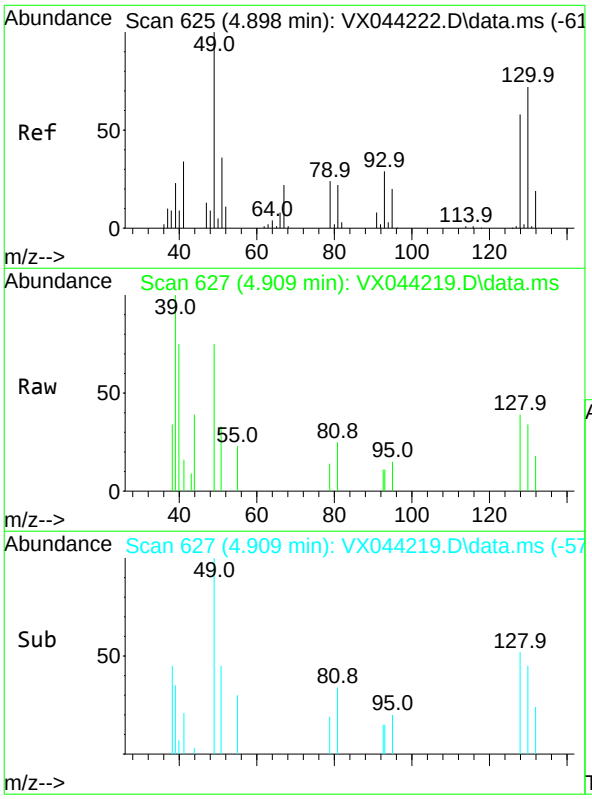
Ion	Ratio	Lower	Upper
96	100		
61	122.2	0.0	299.0
98	54.0	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

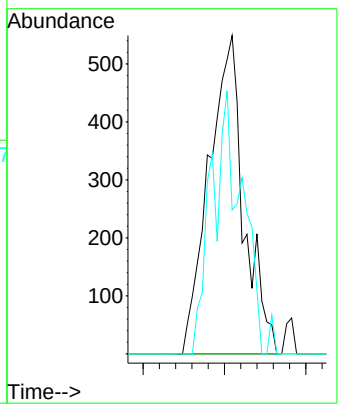


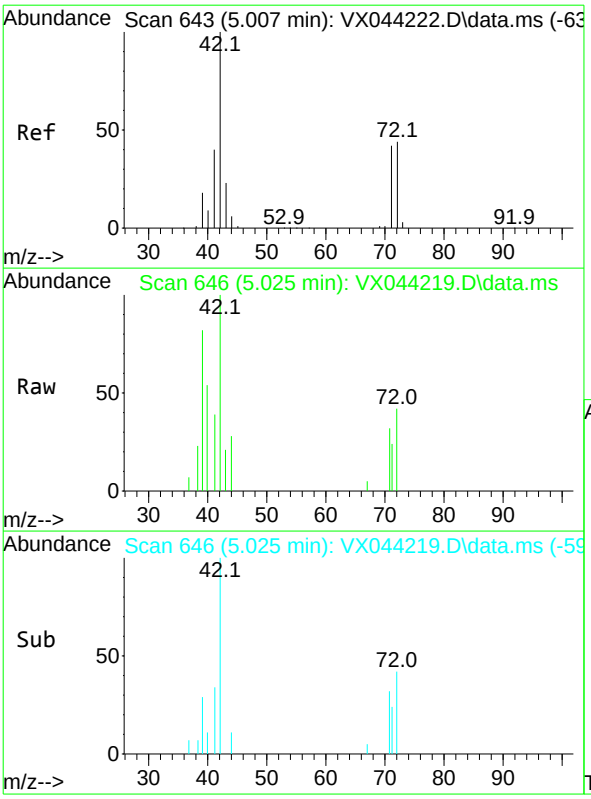


#28
Bromochloromethane
Concen: 1.006 ug/l
RT: 4.909 min Scan# 627
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 49 Resp: 1641

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	52.7	62.1	93.1#





#29
Tetrahydrofuran
Concen: 4.491 ug/l
RT: 5.025 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 42 Resp: 4158

Ion	Ratio	Lower	Upper
42	100		
72	27.0	37.0	55.6#
71	43.1	33.6	50.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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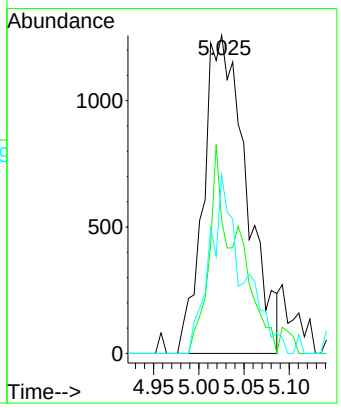
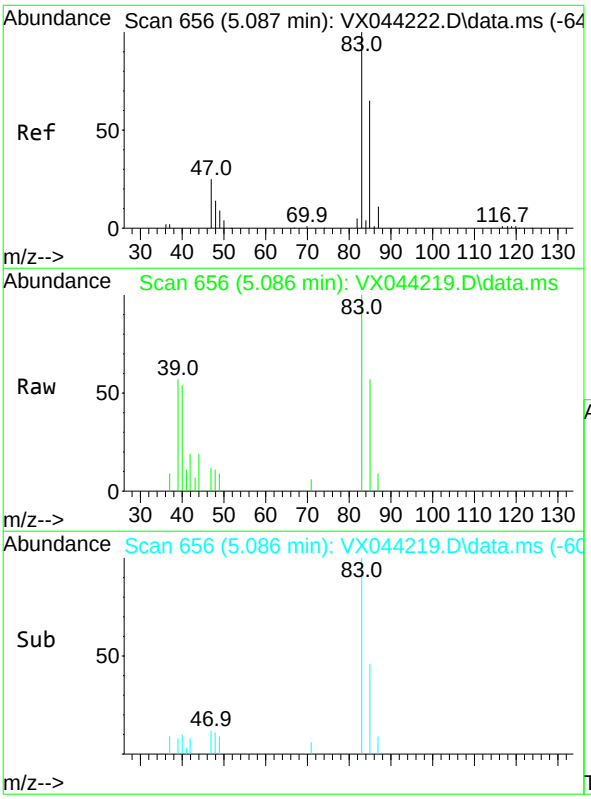
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

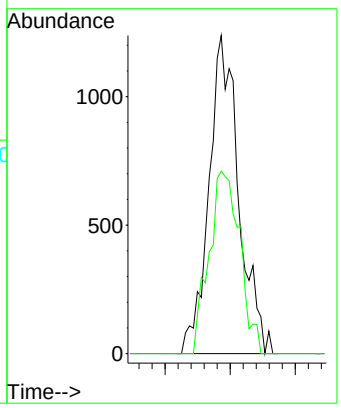


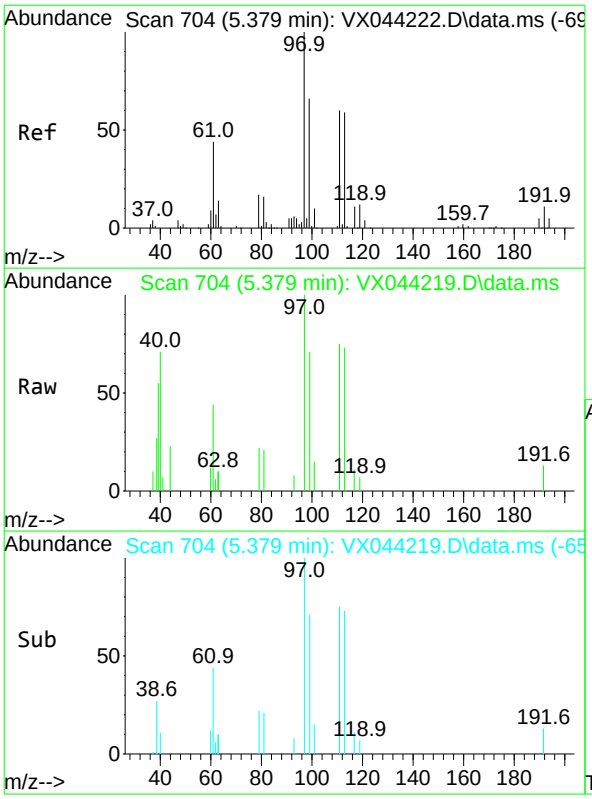


#30
Chloroform
Concen: 1.055 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 83 Resp: 3943

Ion	Ratio	Lower	Upper
83	100		
85	57.4	51.6	77.4





#32
1,1,1-Trichloroethane
Concen: 0.908 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 2818

Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.8	76.2#
61	49.9	35.2	52.8

Manual Integrations
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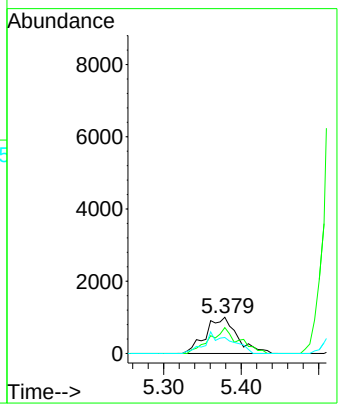
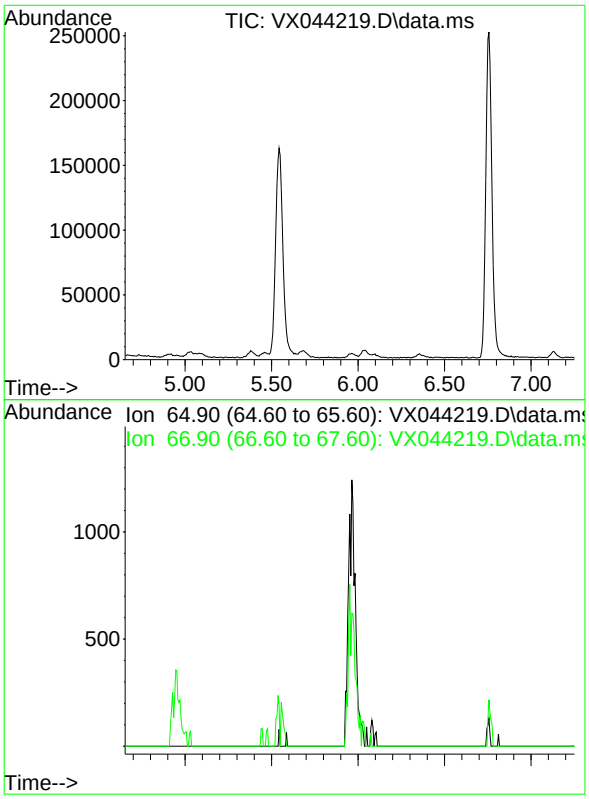
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024



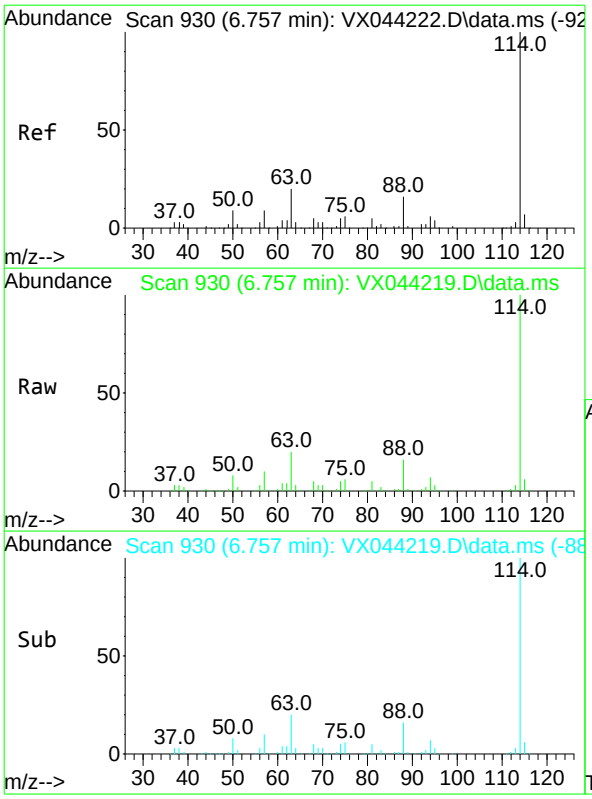


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	50.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:114 Resp: 253574

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.6
88	15.8	0.0	31.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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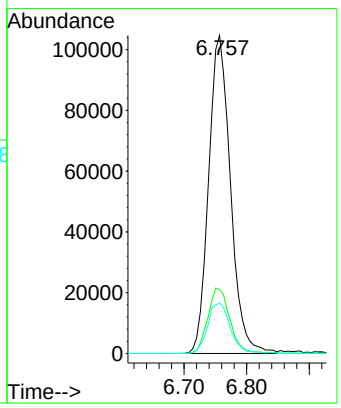
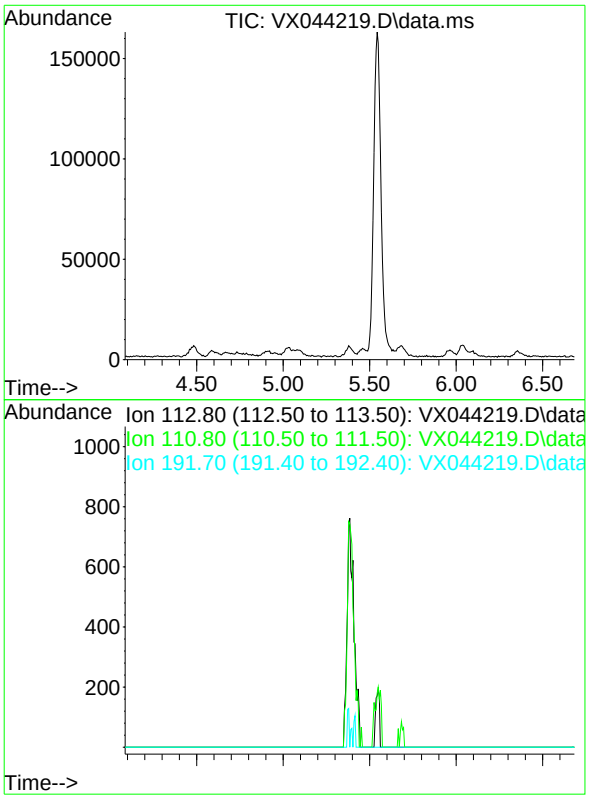
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024



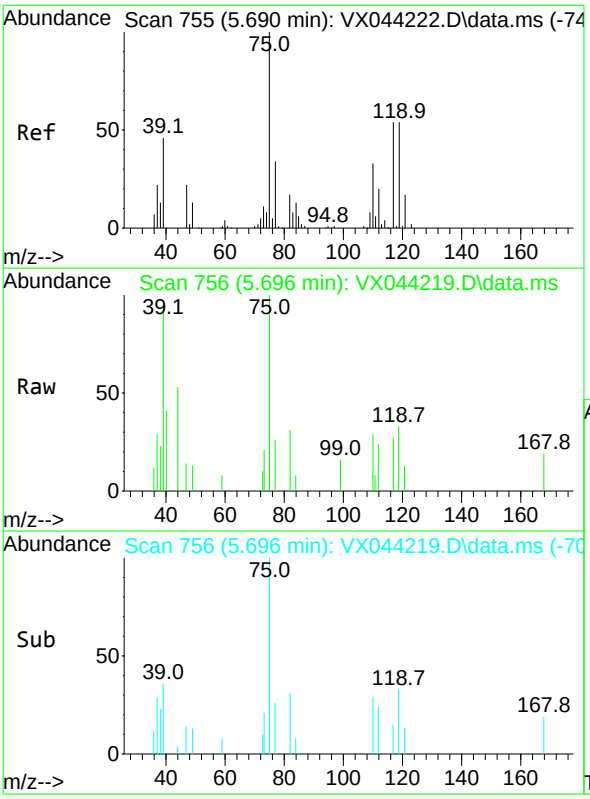


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.39 min

Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	100.5
192	16.6



#36
1,1-Dichloropropene
Concen: 1.092 ug/l m
RT: 5.696 min Scan# 75
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 75 Resp: 2479

Ion	Ratio	Lower	Upper
75	100		
110	18.4	17.3	51.7
77	12.7	25.4	38.0#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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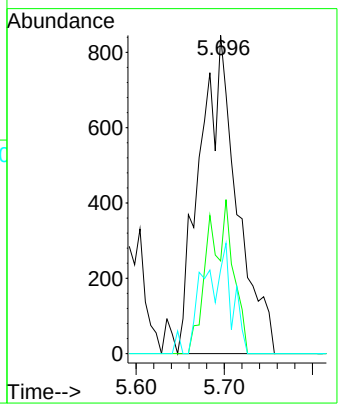
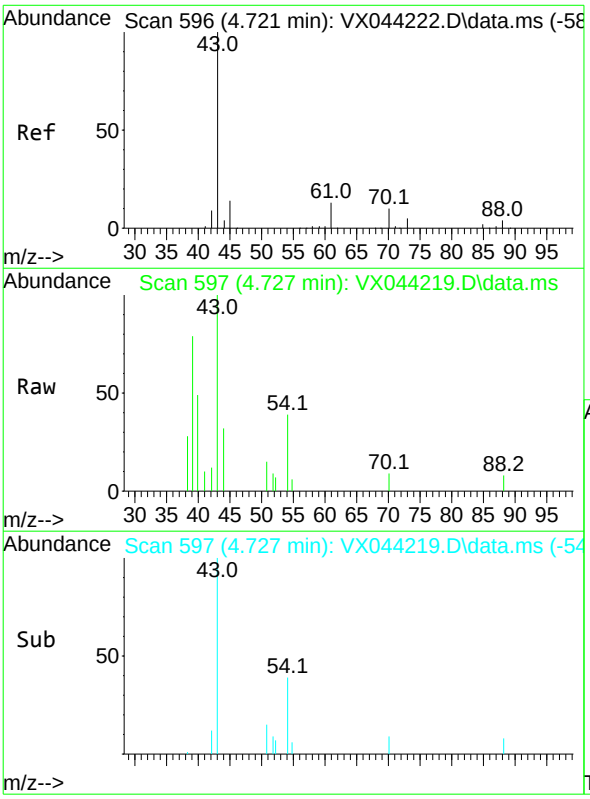
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

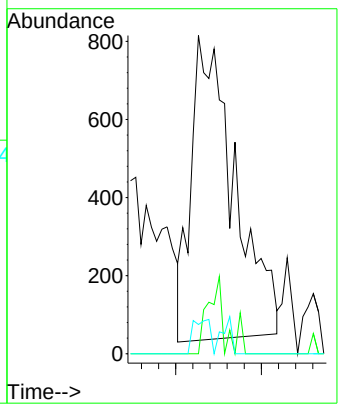


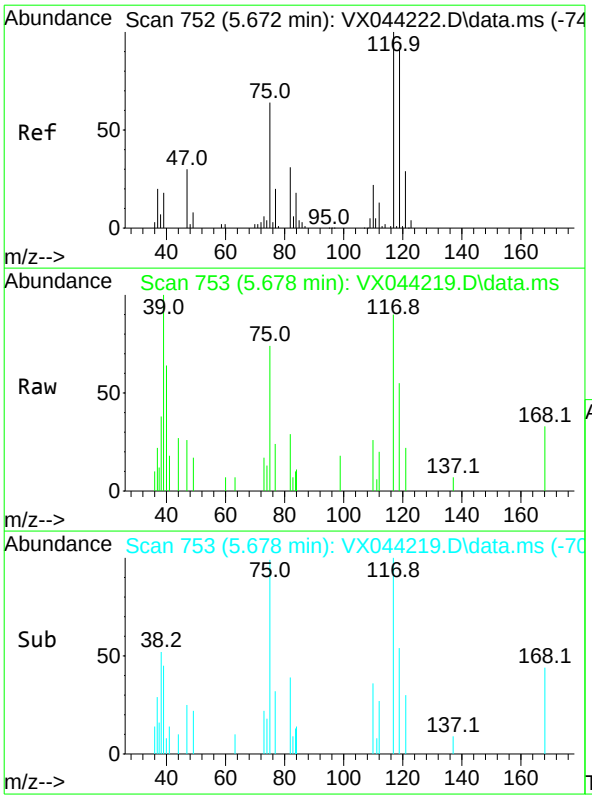


#37
Ethyl Acetate
Concen: 0.969 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 43 Resp: 2718

Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.8	14.8#
70	0.0	7.7	11.5#





#38
Carbon Tetrachloride
Concen: 1.004 ug/l
RT: 5.678 min Scan# 75
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 2454

Ion	Ratio	Lower	Upper
117	100		
119	61.1	74.2	111.4#
121	24.5	23.0	34.6

Manual Integrations
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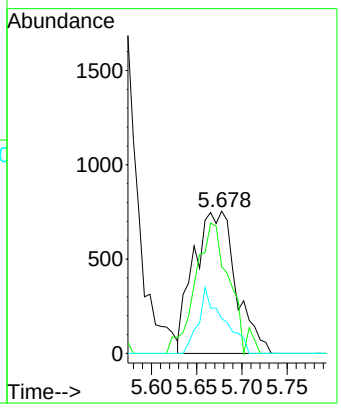
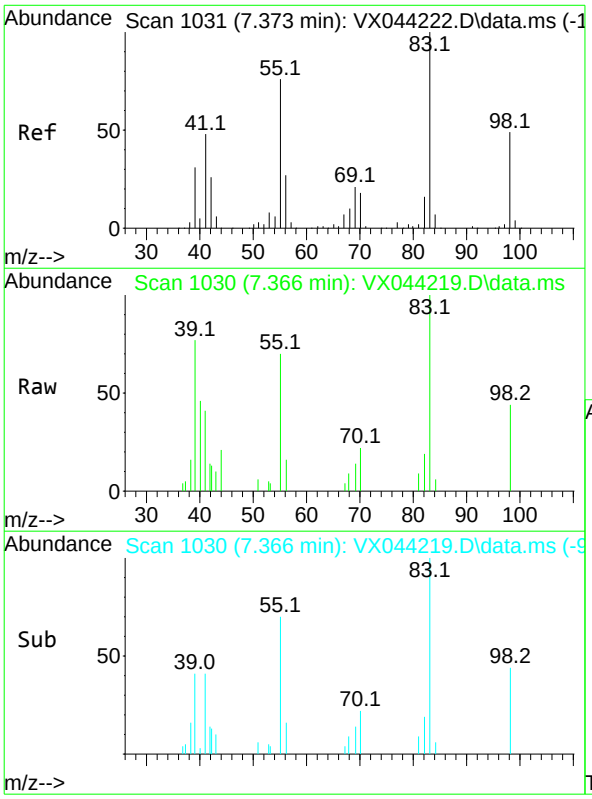
Supervised By :Mahesh Dadoda 12/12/2024

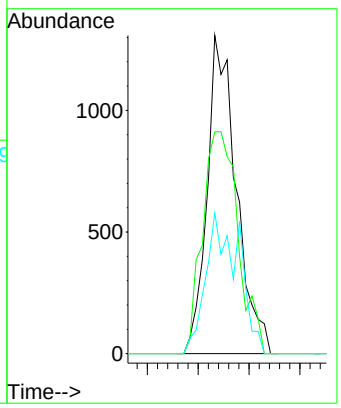


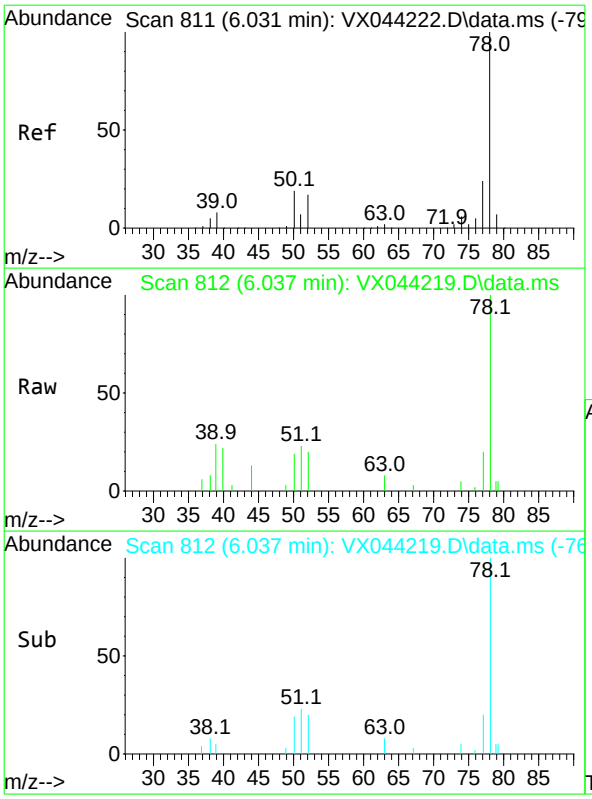


#39
Methylcyclohexane
Concen: 0.960 ug/l
RT: 7.366 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 83 Resp: 2606

Ion	Ratio	Lower	Upper
83	100		
55	69.7	60.7	91.1
98	44.3	38.9	58.3





#40
Benzene
Concen: 0.996 ug/l
RT: 6.037 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 78 Resp: 6864

Ion	Ratio	Lower	Upper
78	100		
77	20.1	19.3	28.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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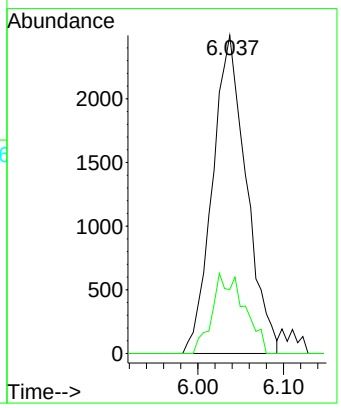
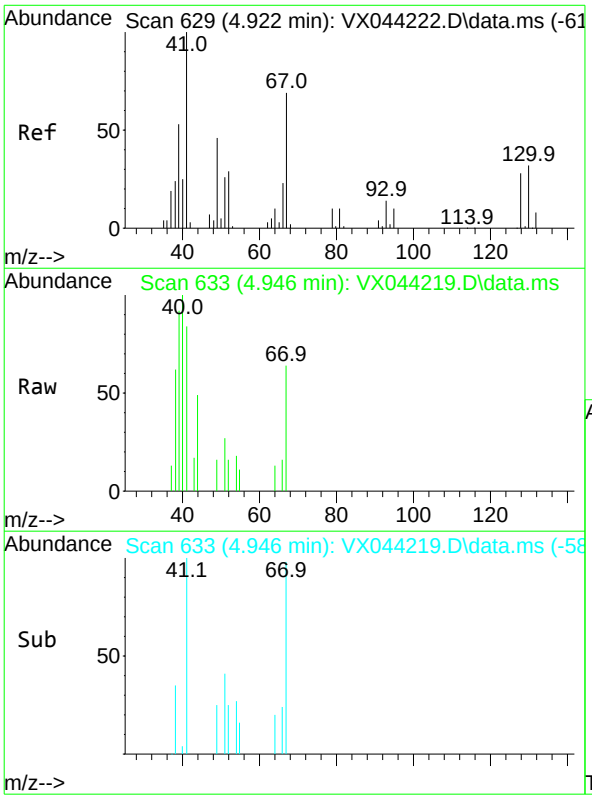
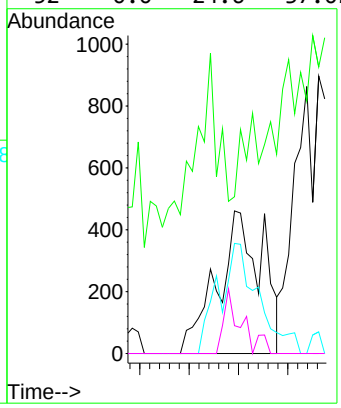


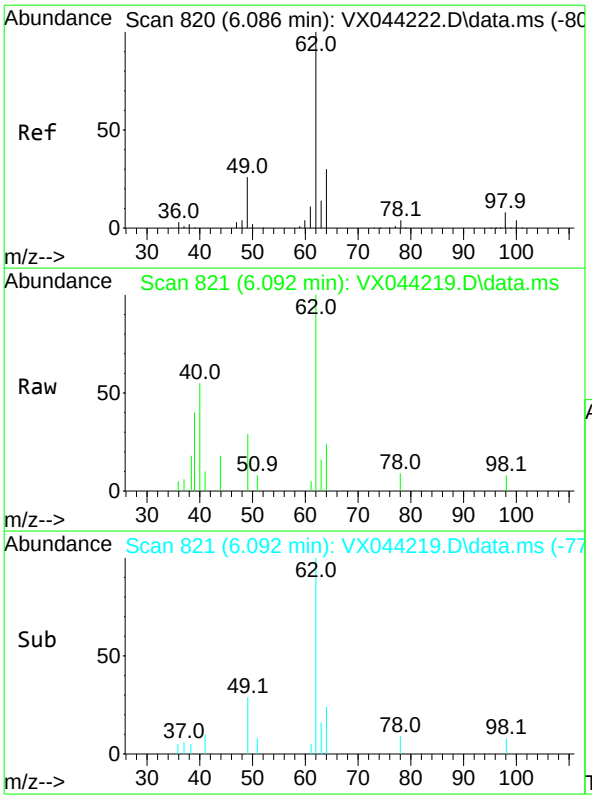


#41
Methacrylonitrile
Concen: 0.971 ug/l m
RT: 4.946 min Scan# 633
Delta R.T. 0.024 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 41 Resp: 1447

Ion	Ratio	Lower	Upper
41	100		
39	58.5	44.2	66.4
67	0.0	57.2	85.8#
52	0.0	24.6	37.0#





#42
1,2-Dichloroethane
Concen: 0.990 ug/l
RT: 6.092 min Scan# 82
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

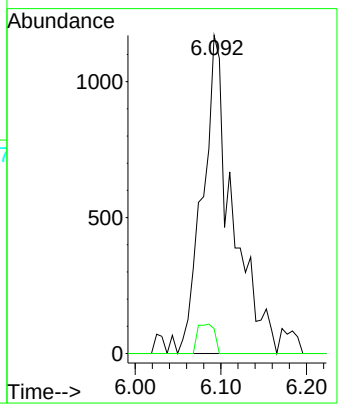
Tgt Ion: 62 Resp: 2810

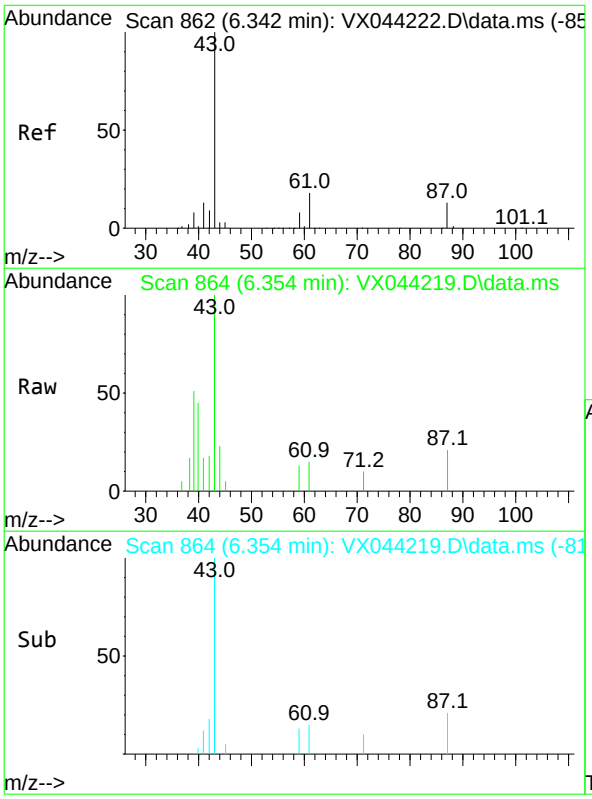
Ion	Ratio	Lower	Upper
62	100		
98	5.3	0.0	15.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

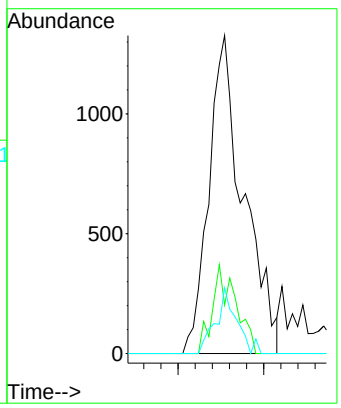


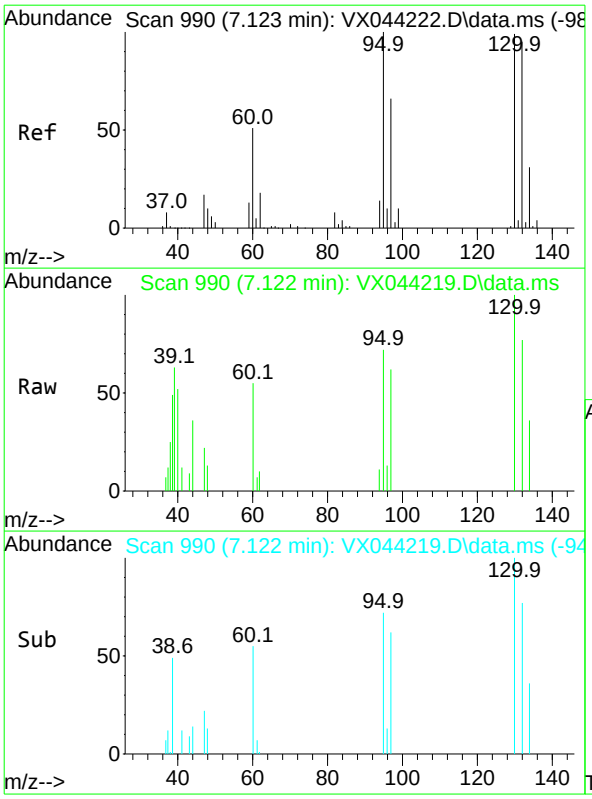


#43
Isopropyl Acetate
Concen: 0.851 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 43 Resp: 3734

Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.2	21.2
87	12.4	10.2	15.2





#44
Trichloroethene
Concen: 1.051 ug/l
RT: 7.122 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:130 Resp: 1806

Ion	Ratio	Lower	Upper
130	100		
95	71.7	0.0	201.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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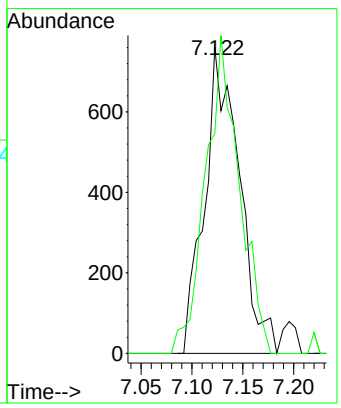
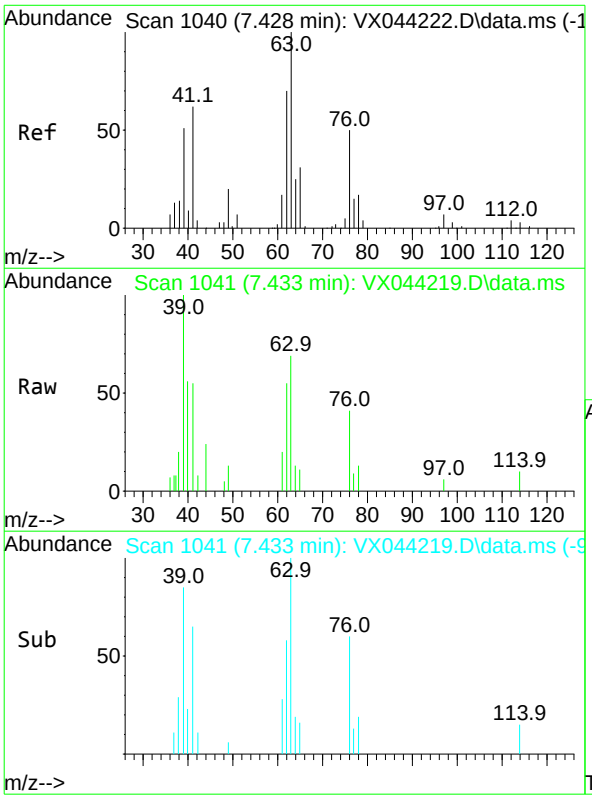
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

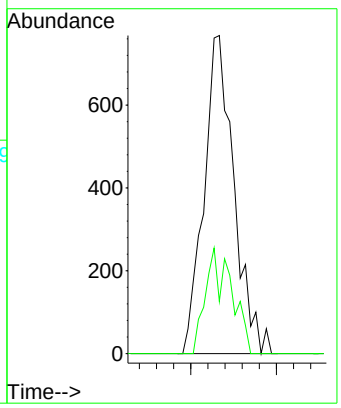


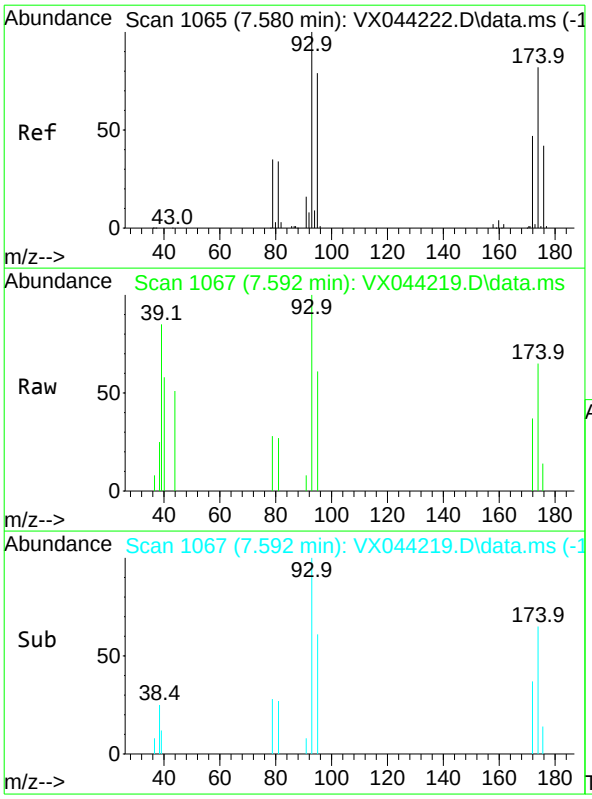


#45
1,2-Dichloropropane
Concen: 1.059 ug/l
RT: 7.433 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 63 Resp: 1865

Ion	Ratio	Lower	Upper
63	100		
65	16.4	24.6	37.0#





#46
Dibromomethane
Concen: 0.916 ug/l
RT: 7.592 min Scan# 10
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 93 Resp: 1251

Ion	Ratio	Lower	Upper
93	100		
95	85.8	65.4	98.2
174	86.3	67.9	101.9

Manual Integrations
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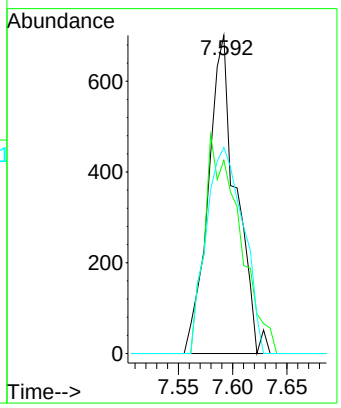
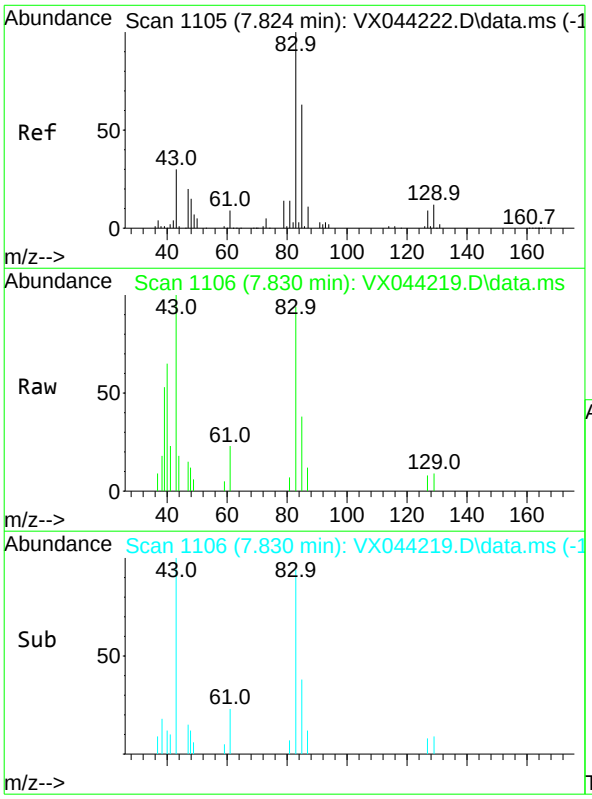
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

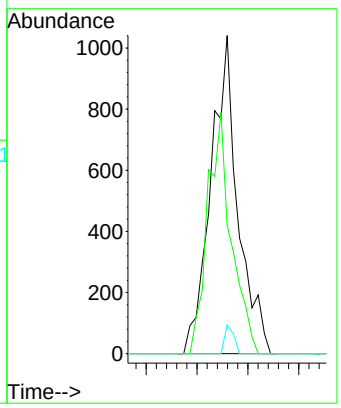


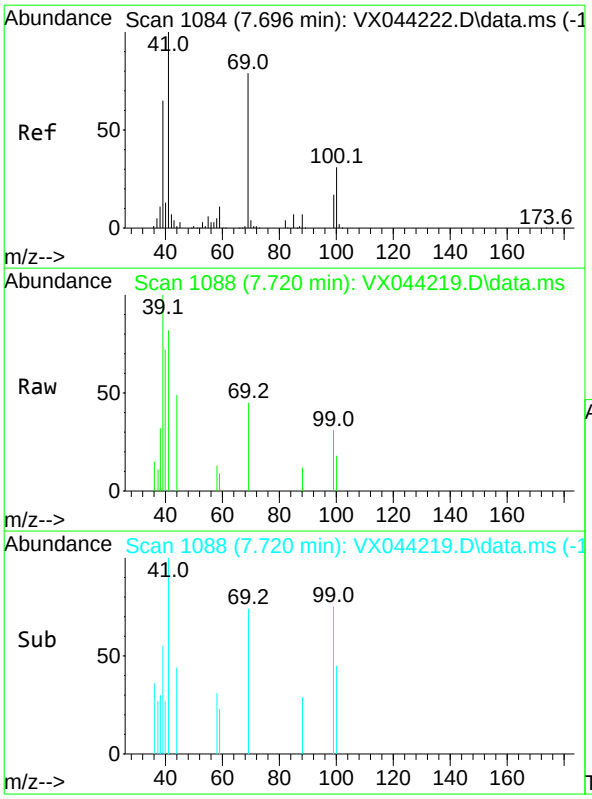


#47
Bromodichloromethane
Concen: 0.816 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 83 Resp: 1926

Ion	Ratio	Lower	Upper
83	100		
85	40.3	50.6	75.8#
127	9.0	7.3	10.9





#48
Methyl methacrylate
Concen: 1.018 ug/l
RT: 7.720 min Scan# 10
Delta R.T. 0.024 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 41 Resp: 2168

Ion	Ratio	Lower	Upper
41	100		
69	43.9	62.4	93.6#
39	64.1	53.3	79.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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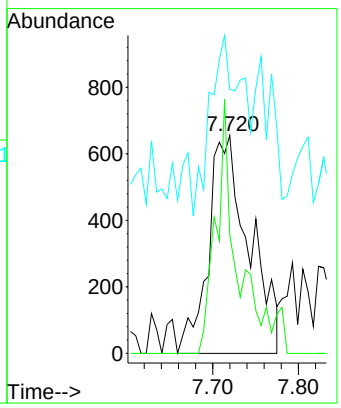
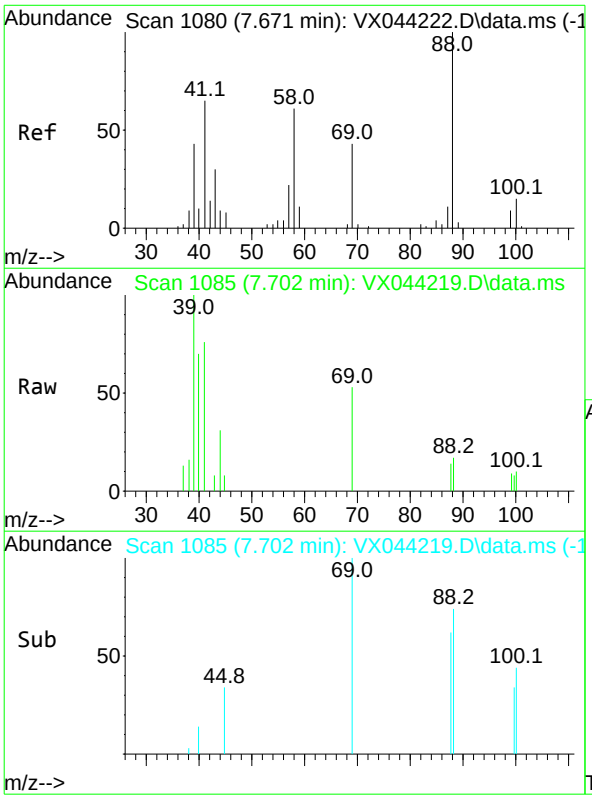
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

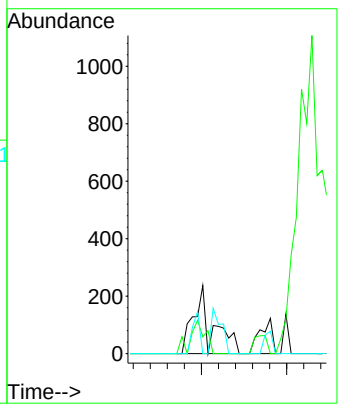


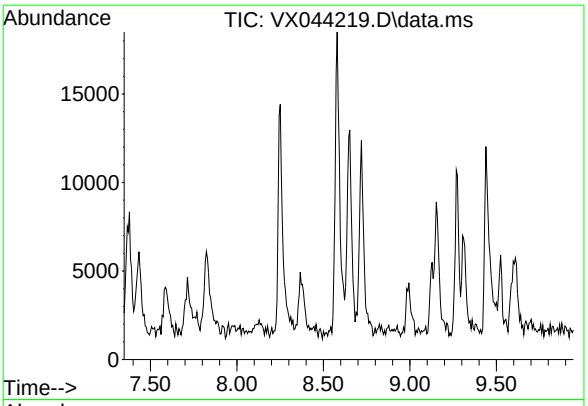


#49
1,4-Dioxane
Concen: 13.522 ug/l m
RT: 7.702 min Scan# 1085
Delta R.T. 0.030 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 88 Resp: 492

Ion	Ratio	Lower	Upper
88	100		
43	28.9	27.1	40.7
58	17.7	41.0	61.4#





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.65 min

Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	64.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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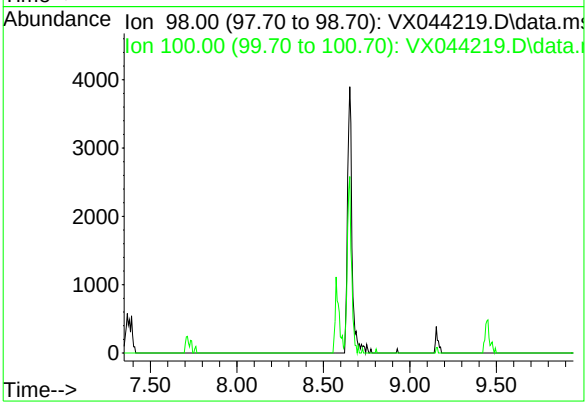
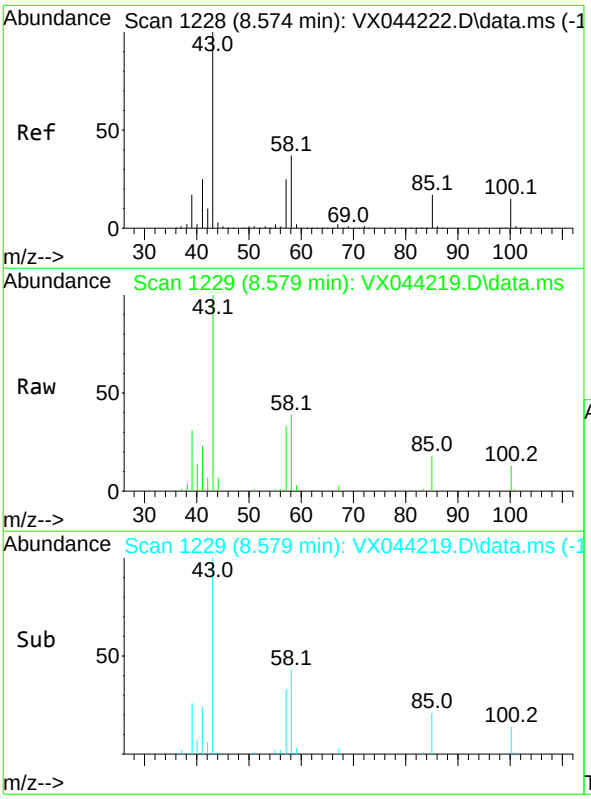
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

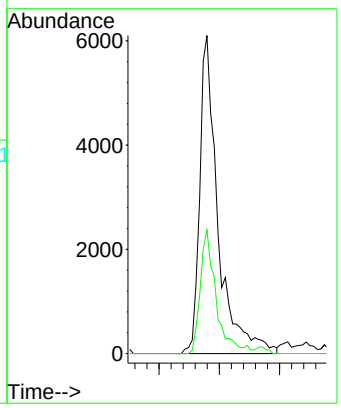


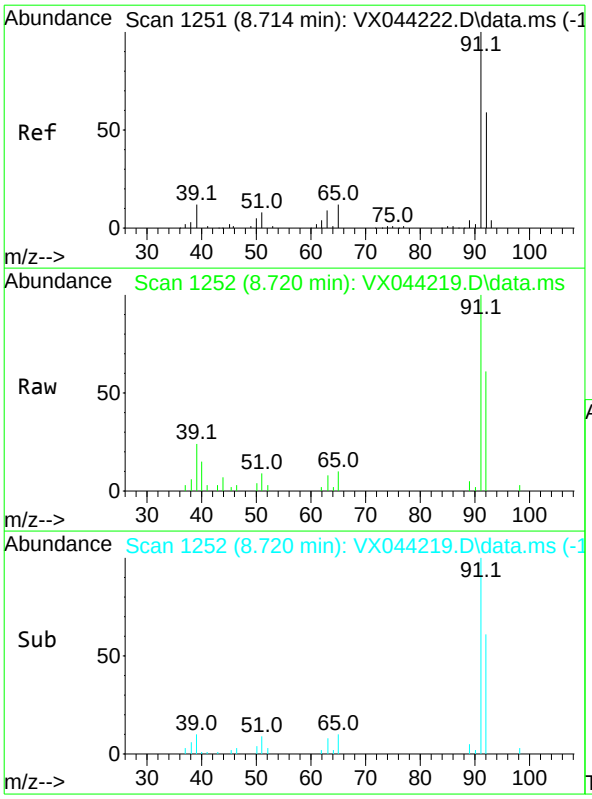


#51
4-Methyl-2-Pentanone
Concen: 4.547 ug/l
RT: 8.579 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 43 Resp: 12824

Ion	Ratio	Lower	Upper
43	100		
58	34.0	29.4	44.0





#52
Toluene
Concen: 1.064 ug/l
RT: 8.720 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 92 Resp: 4606

Ion	Ratio	Lower	Upper
92	100		
91	160.1	137.0	205.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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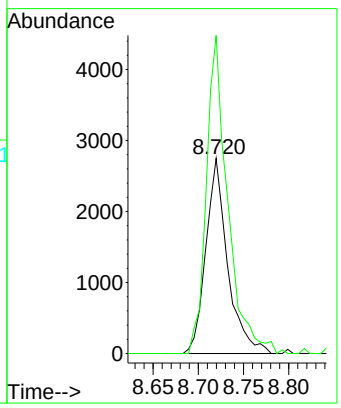
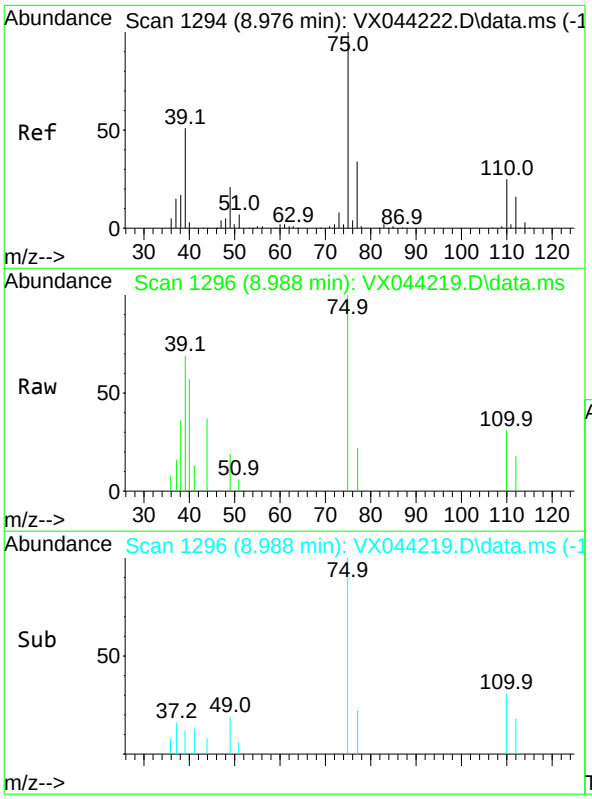
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

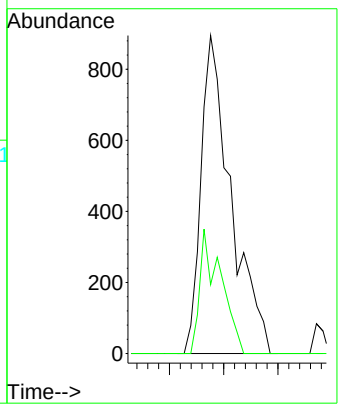


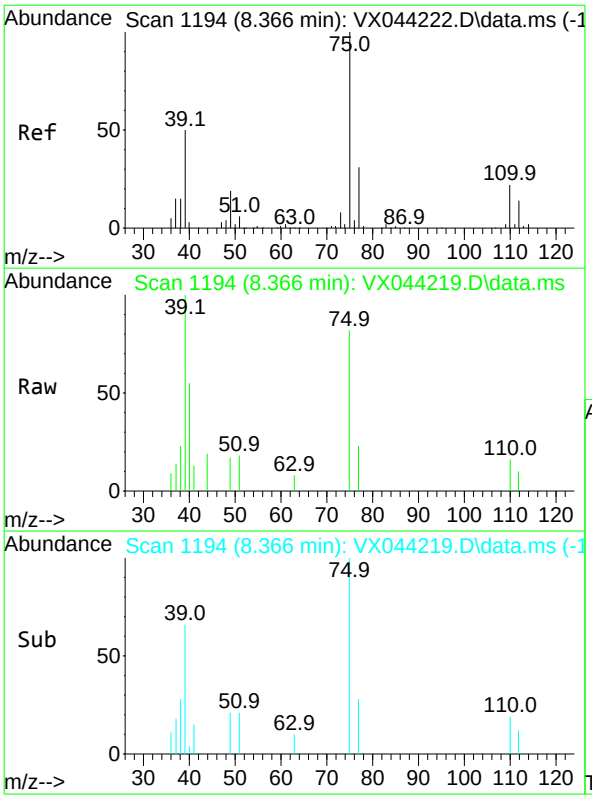


#53
t-1,3-Dichloropropene
Concen: 1.694 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 75 Resp: 1716

Ion	Ratio	Lower	Upper
75	100		
77	21.7	27.2	40.8#





#54
cis-1,3-Dichloropropene
Concen: 0.797 ug/l
RT: 8.366 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 75 Resp: 2048

Ion	Ratio	Lower	Upper
75	100		
77	27.8	24.7	37.1
39	76.2	40.3	60.5#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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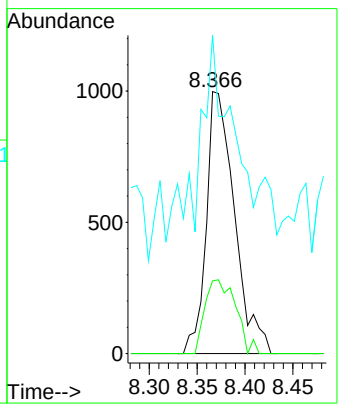
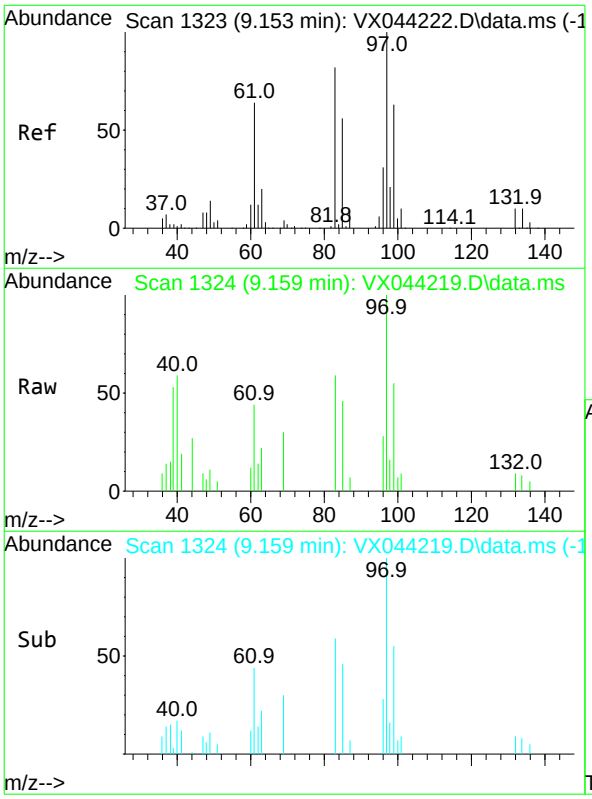
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

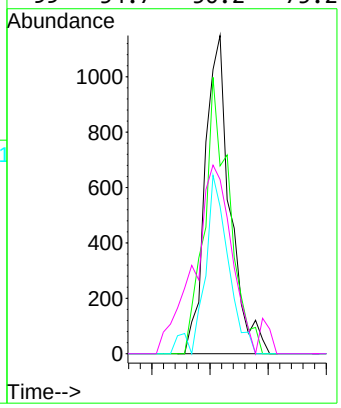


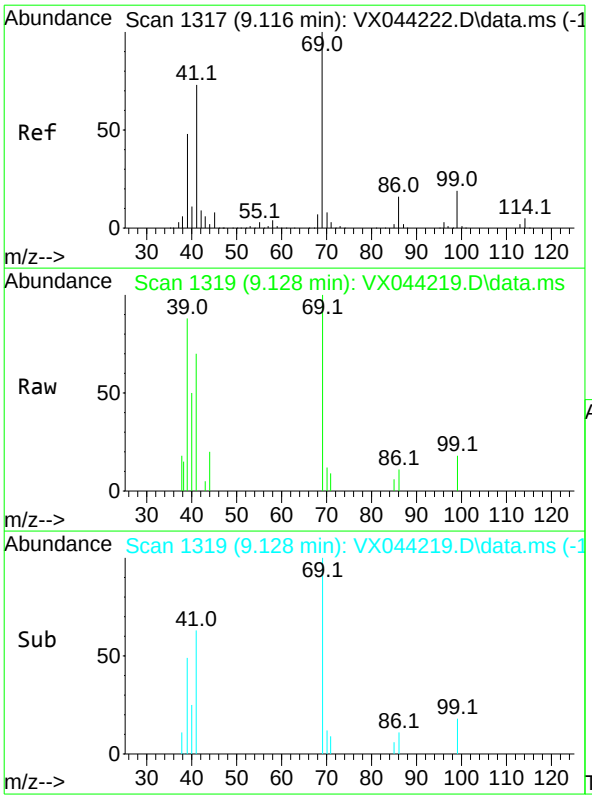


#55
1,1,2-Trichloroethane
Concen: 0.994 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 97 Resp: 1710

Ion	Ratio	Lower	Upper
97	100		
83	59.0	65.3	97.9#
85	46.3	44.6	67.0
99	54.7	50.2	75.2





#56
Ethyl methacrylate
Concen: 0.917 ug/l
RT: 9.128 min Scan# 13
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 69 Resp: 2490

Ion	Ratio	Lower	Upper
69	100		
41	55.7	56.6	85.0#
39	53.1	37.4	56.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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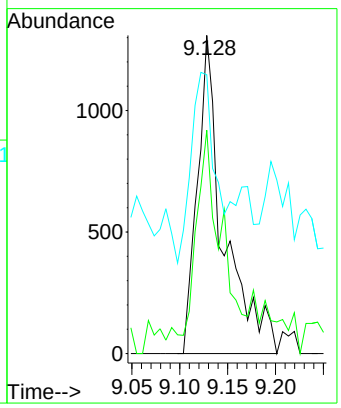
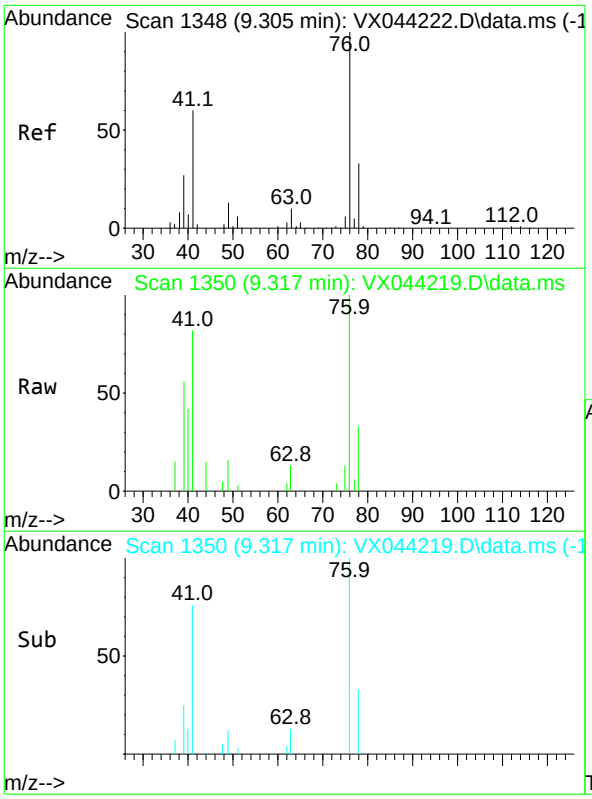
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

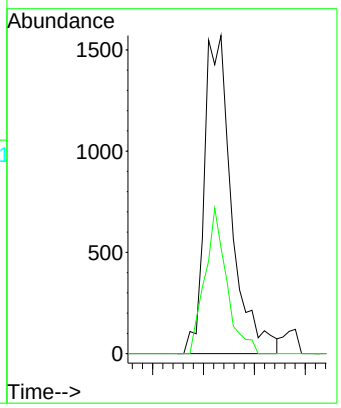


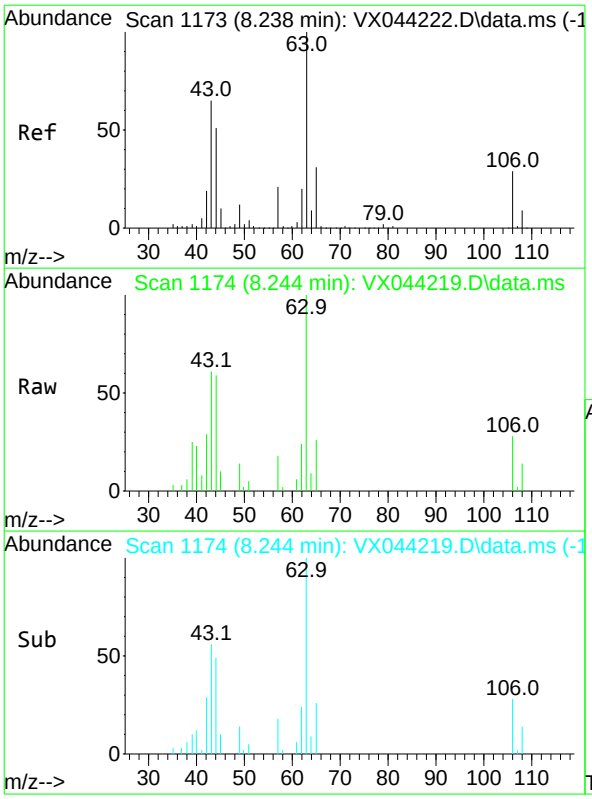


#57
1,3-Dichloropropane
Concen: 0.979 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 76 Resp: 2929

Ion	Ratio	Lower	Upper
76	100		
78	36.5	26.5	39.7





#58
2-Chloroethyl Vinyl ether
Concen: 4.105 ug/l
RT: 8.244 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 63 Resp: 5621

Ion	Ratio	Lower	Upper
63	100		
106	26.2	22.8	34.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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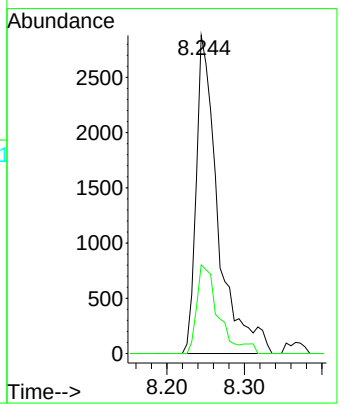
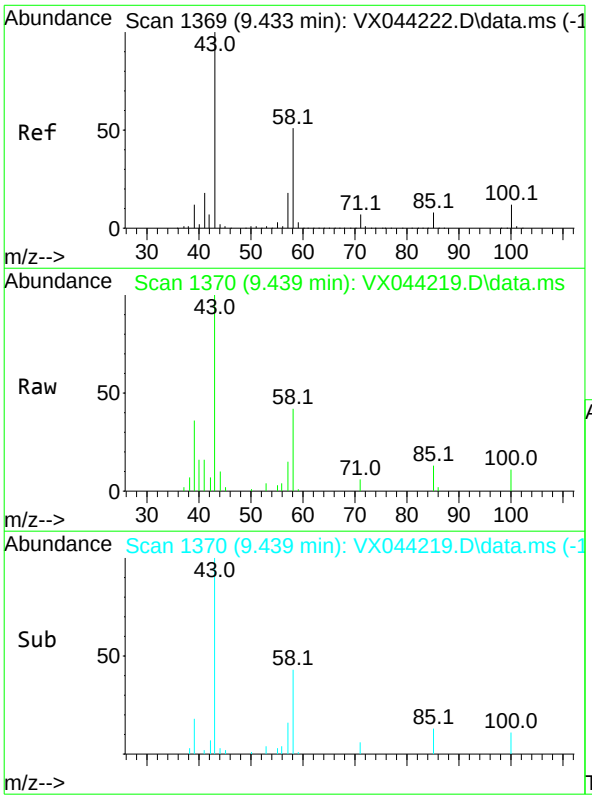
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

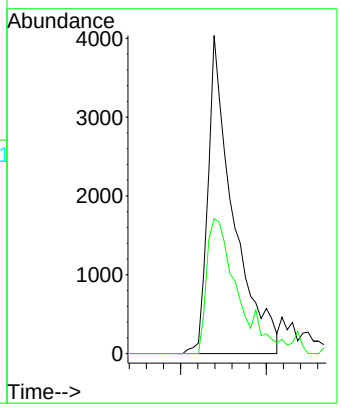


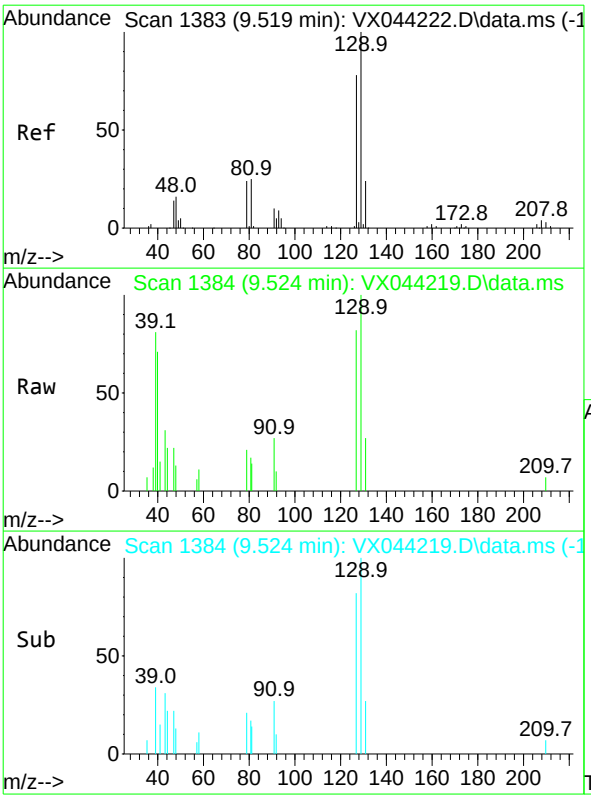


#59
2-Hexanone
Concen: 4.017 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 43 Resp: 8199

Ion	Ratio	Lower	Upper
43	100		
58	52.5	25.7	77.0





#60
Dibromochloromethane
Concen: 1.953 ug/l
RT: 9.524 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:129 Resp: 1289

Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.5	115.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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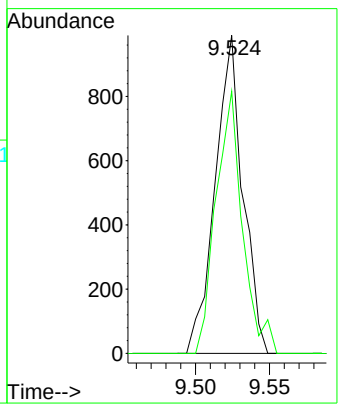
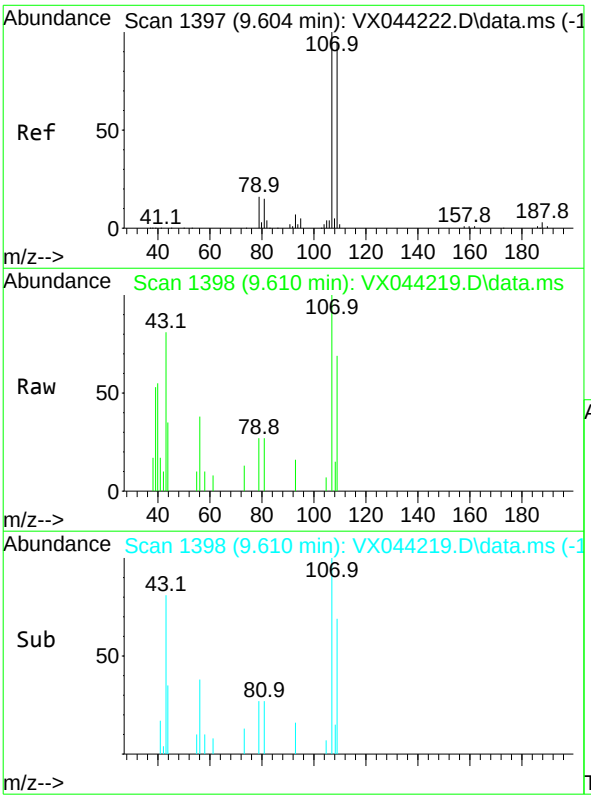
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

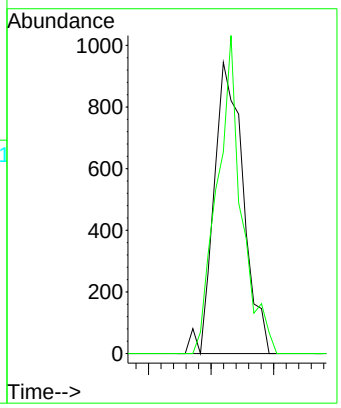


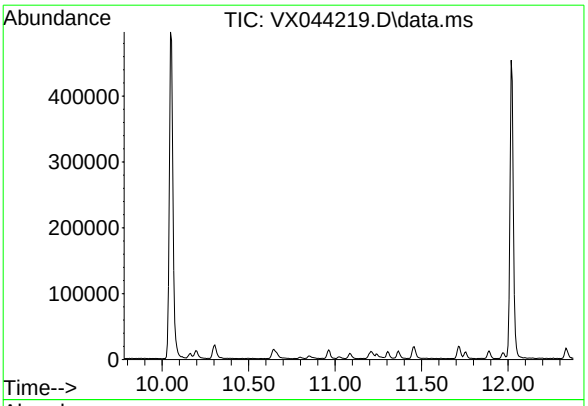


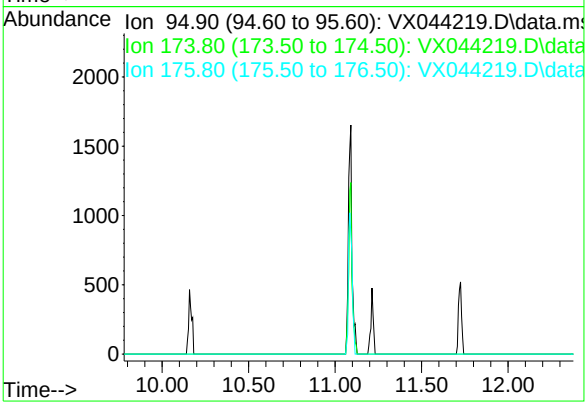
#61
1,2-Dibromoethane
Concen: 0.877 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:107 Resp: 1535

Ion	Ratio	Lower	Upper
107	100		
109	91.3	77.0	115.4







#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.08 min

Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

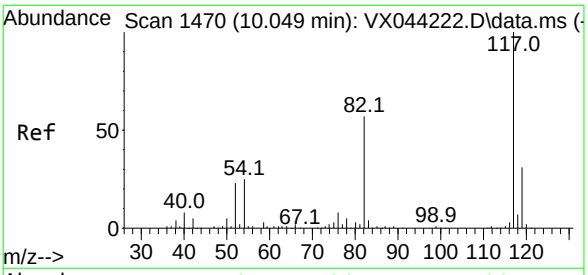
Tgt Ion: 95

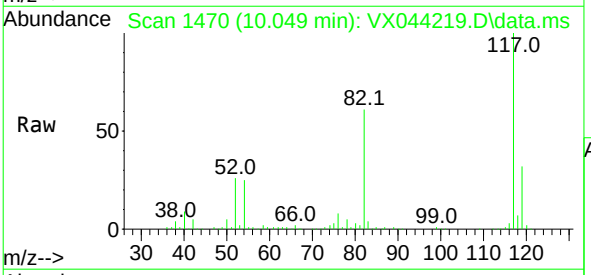
Sig	Exp Ratio
95	100
174	72.9
176	68.9

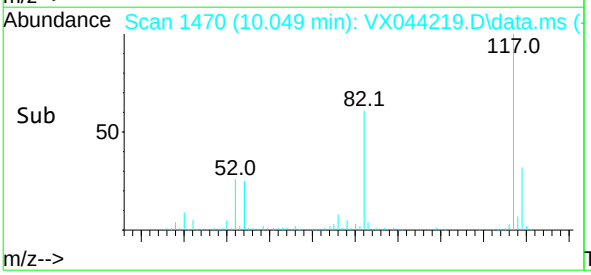
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024



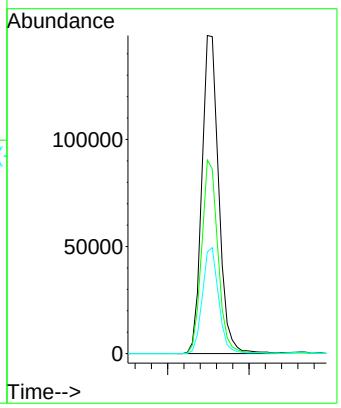


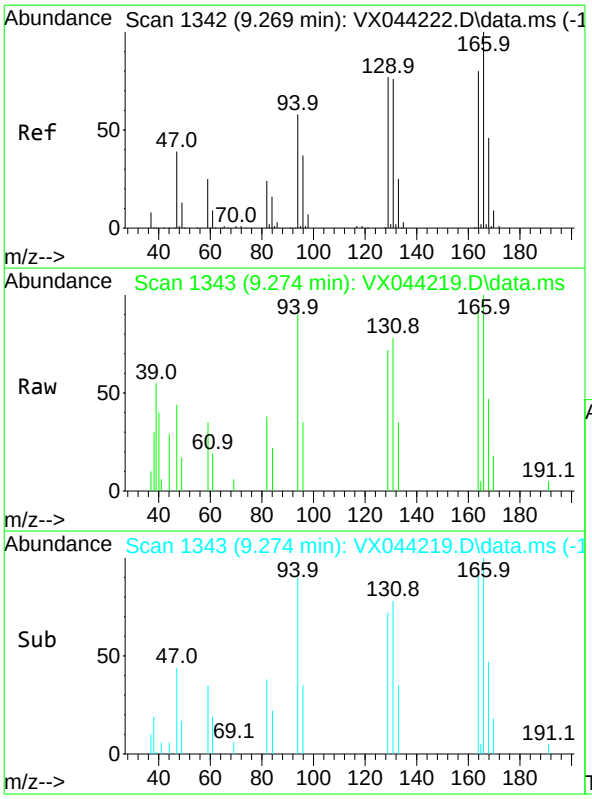


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:117 Resp: 213862

Ion	Ratio	Lower	Upper
117	100		
82	60.9	45.8	68.8
119	32.0	25.0	37.4





#64
Tetrachloroethene
Concen: 1.082 ug/l
RT: 9.274 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

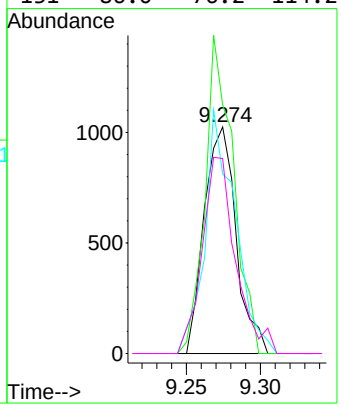
Tgt Ion:164 Resp: 1536

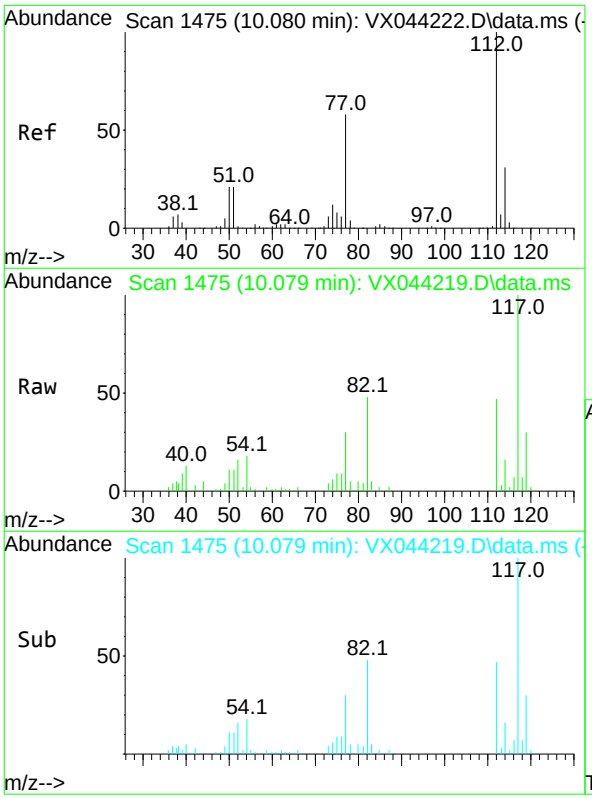
Ion	Ratio	Lower	Upper
164	100		
166	109.7	100.4	150.6
129	79.2	77.2	115.8
131	86.0	76.2	114.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

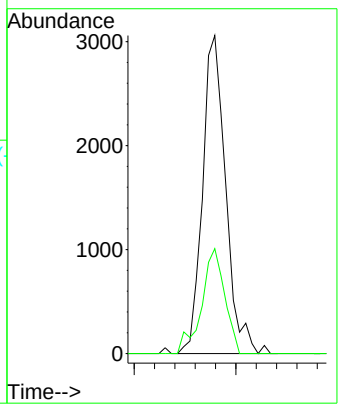


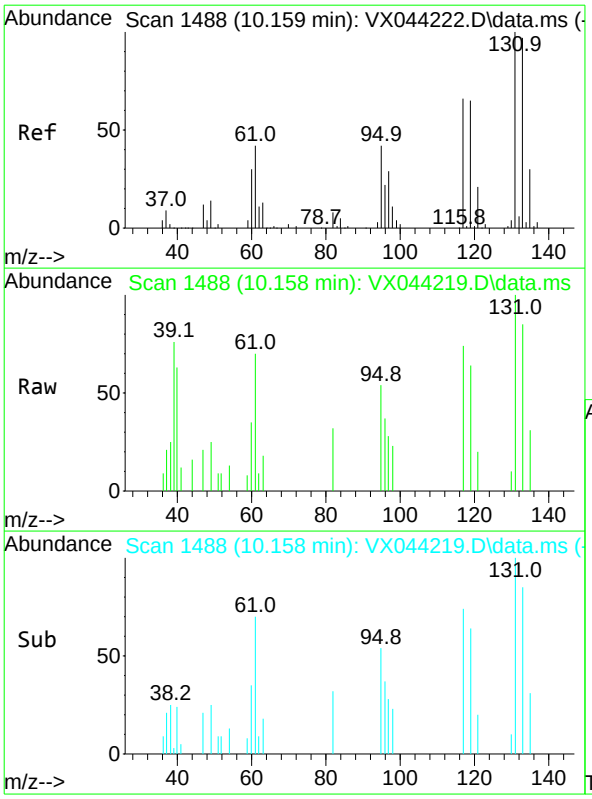


#65
Chlorobenzene
Concen: 1.055 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:112 Resp: 4835

Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.0	37.6





#66
1,1,1,2-Tetrachloroethane
Concen: 0.875 ug/l
RT: 10.158 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:131 Resp: 1288

Ion	Ratio	Lower	Upper
131	100		
133	87.3	47.3	141.8
119	0.0	31.6	95.0#

Manual Integrations
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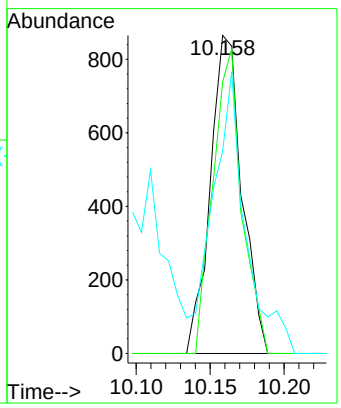
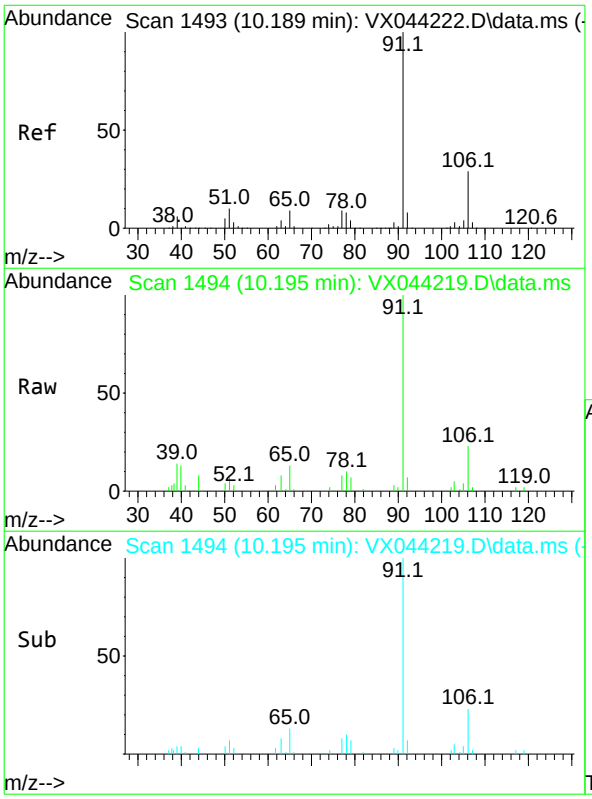
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

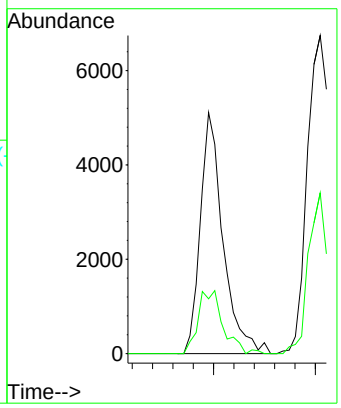


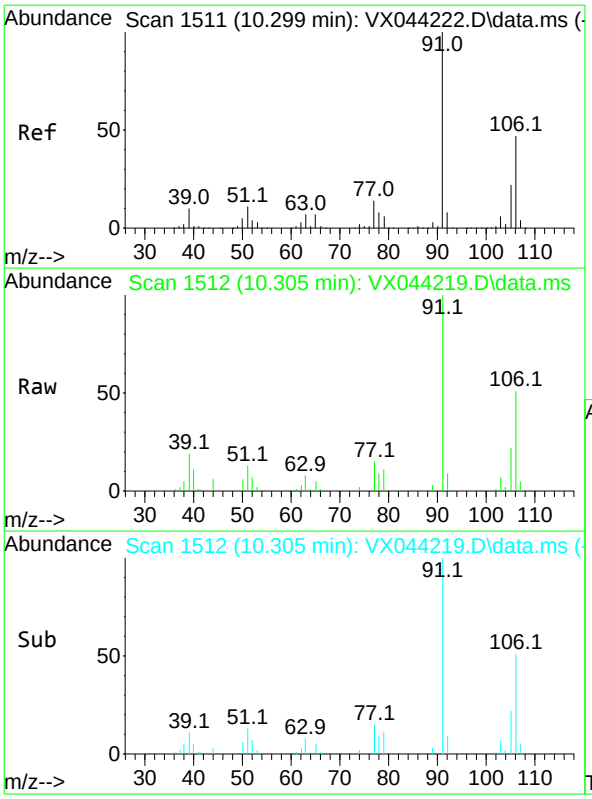


#67
Ethyl Benzene
Concen: 1.001 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 91 Resp: 7924

Ion	Ratio	Lower	Upper
91	100		
106	22.7	23.5	35.3#





#68
m/p-Xylenes
Concen: 1.922 ug/l
RT: 10.305 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:106 Resp: 5583

Ion	Ratio	Lower	Upper
106	100		
91	210.1	170.2	255.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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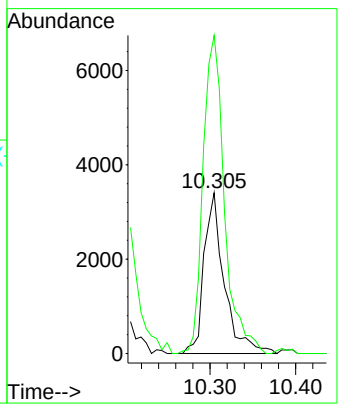
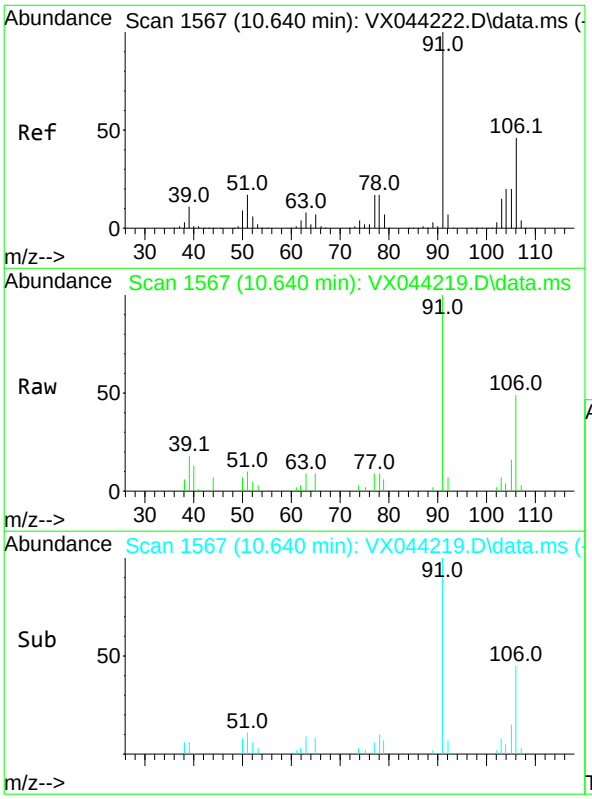
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

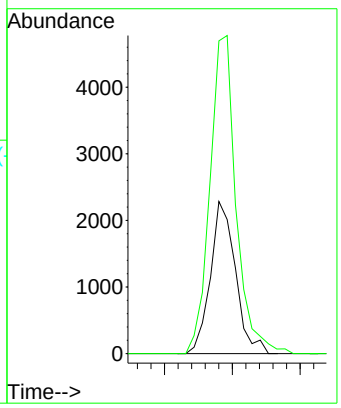


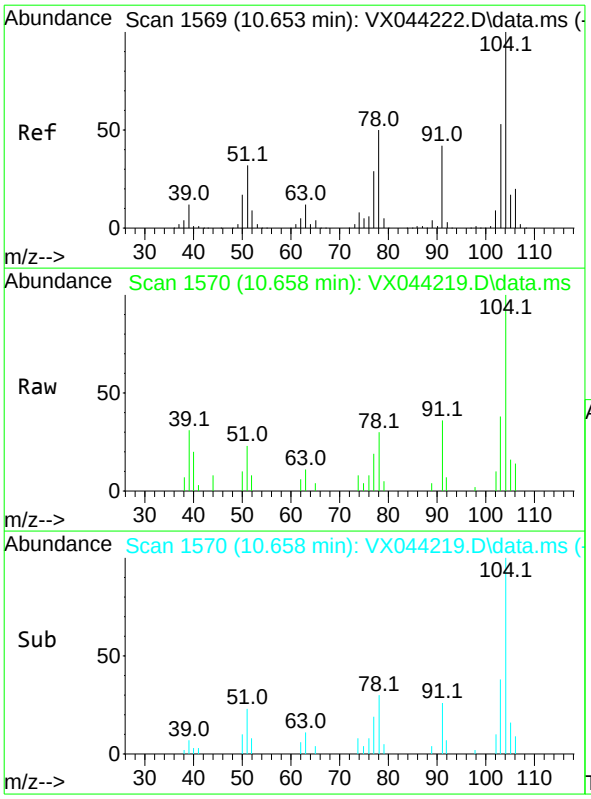


#69
o-Xylene
Concen: 0.998 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:106 Resp: 2933

Ion	Ratio	Lower	Upper
106	100		
91	218.2	112.3	337.0





#70
Styrene
Concen: 0.914 ug/l
RT: 10.658 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 4306

Ion	Ratio	Lower	Upper
104	100		
78	52.8	44.6	67.0
103	51.2	45.4	68.0

Manual Integrations
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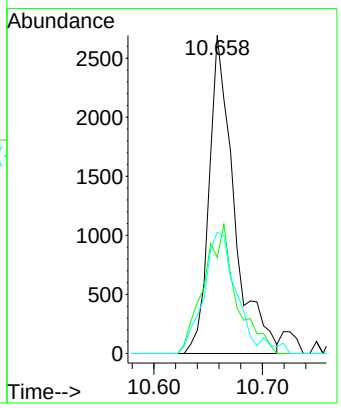
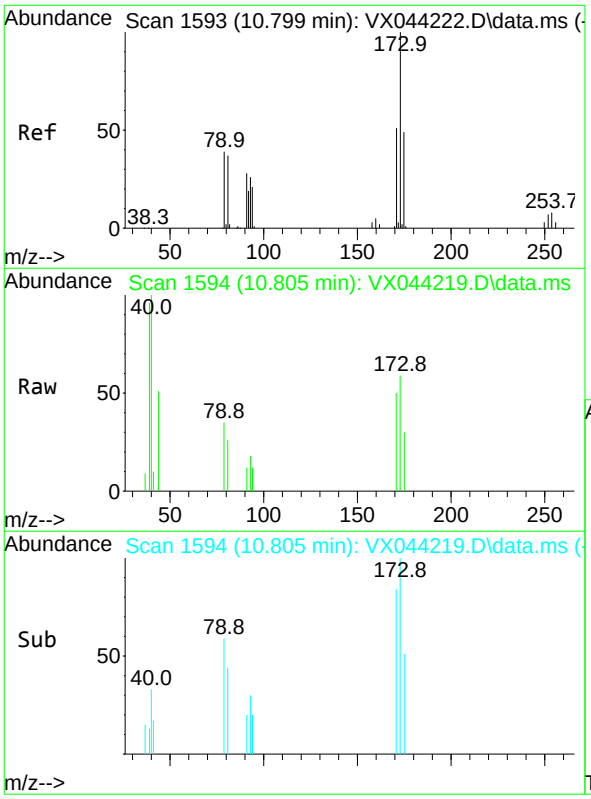
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

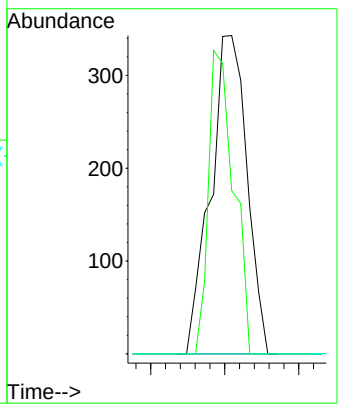


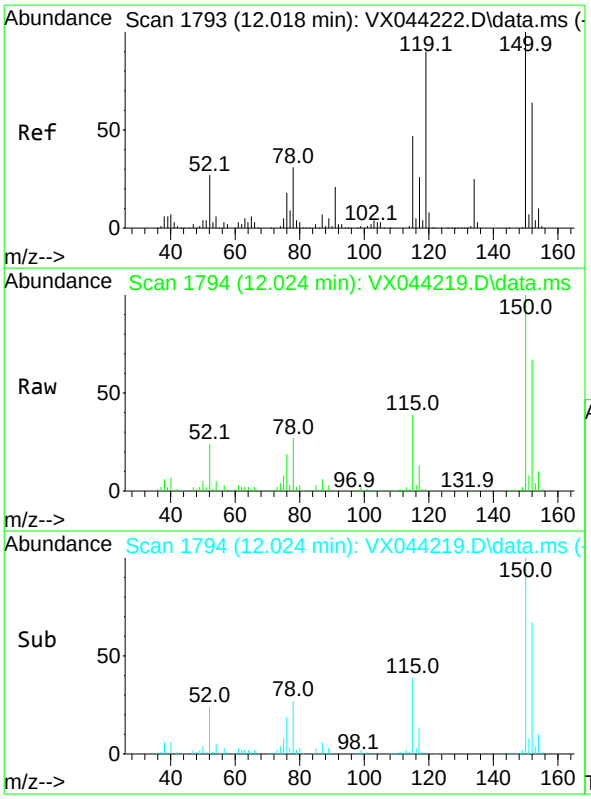


#71
Bromoform
Concen: 1.847 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:173 Resp: 584

Ion	Ratio	Lower	Upper
173	100		
175	66.1	23.8	71.4
254	0.0	0.0	0.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:152 Resp: 88334

Ion	Ratio	Lower	Upper
152	100		
115	62.1	44.5	133.3
150	155.1	0.0	353.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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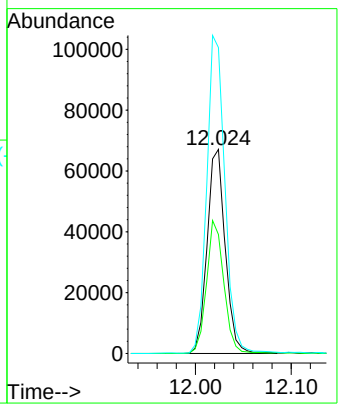
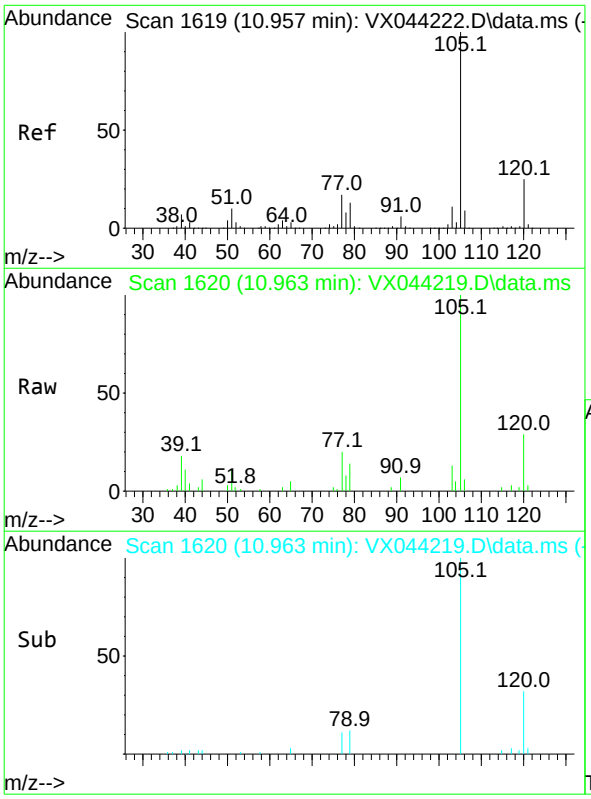
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

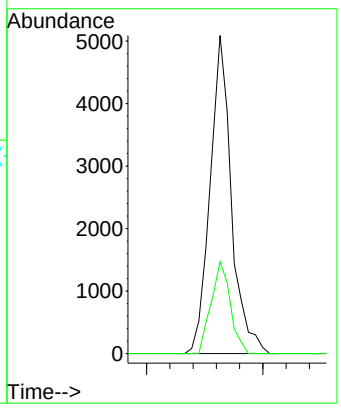


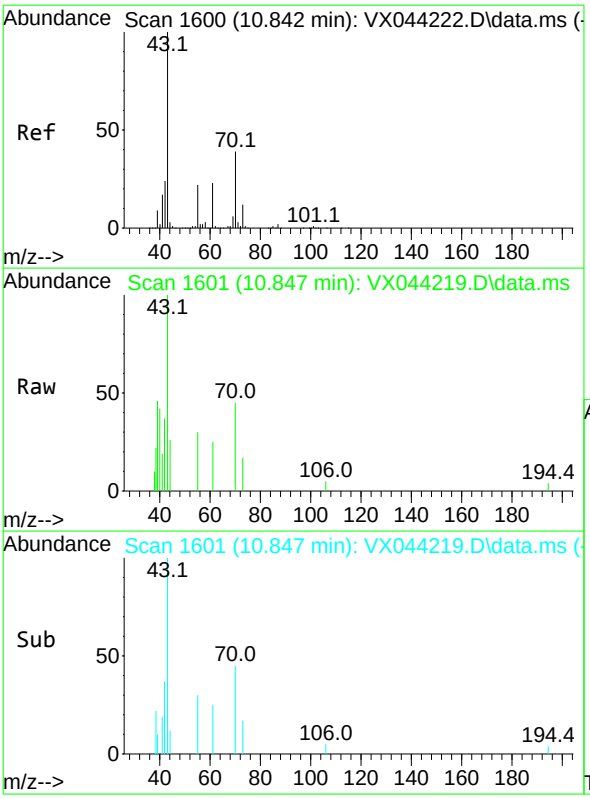


#73
Isopropylbenzene
Concen: 0.957 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:105 Resp: 6474

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.1	39.3





#74
N-amyl acetate
Concen: 0.811 ug/l
RT: 10.847 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 43 Resp: 2536

Ion	Ratio	Lower	Upper
43	100		
70	41.9	31.9	47.9
55	26.0	17.9	26.9
61	21.1	17.9	26.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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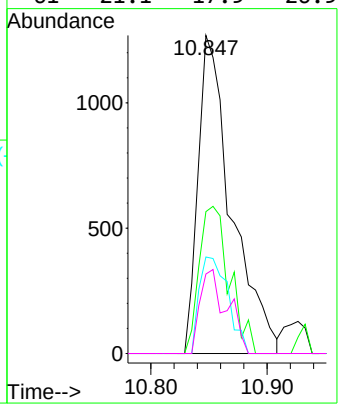
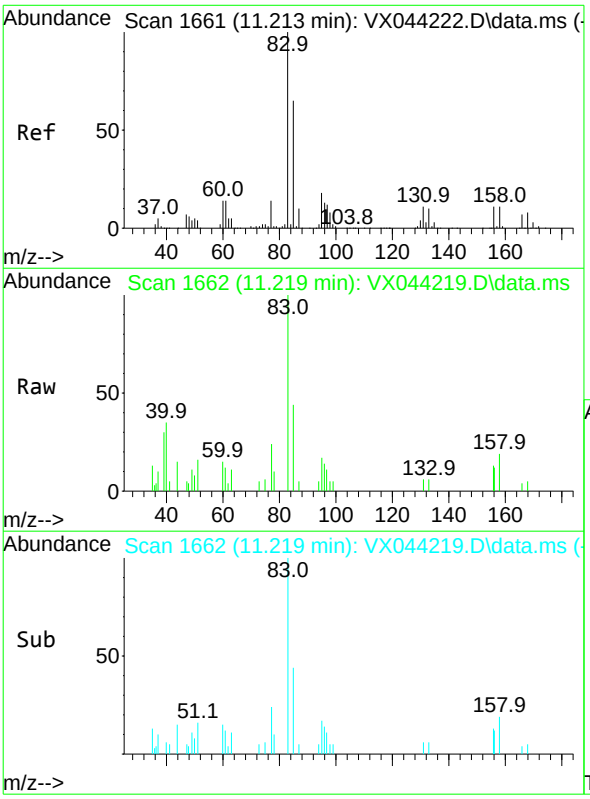
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

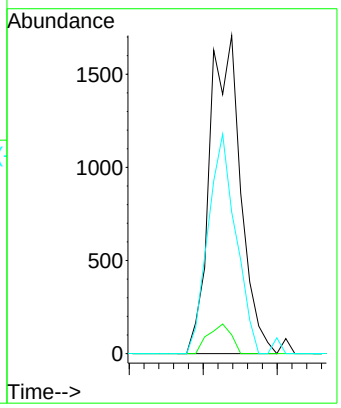


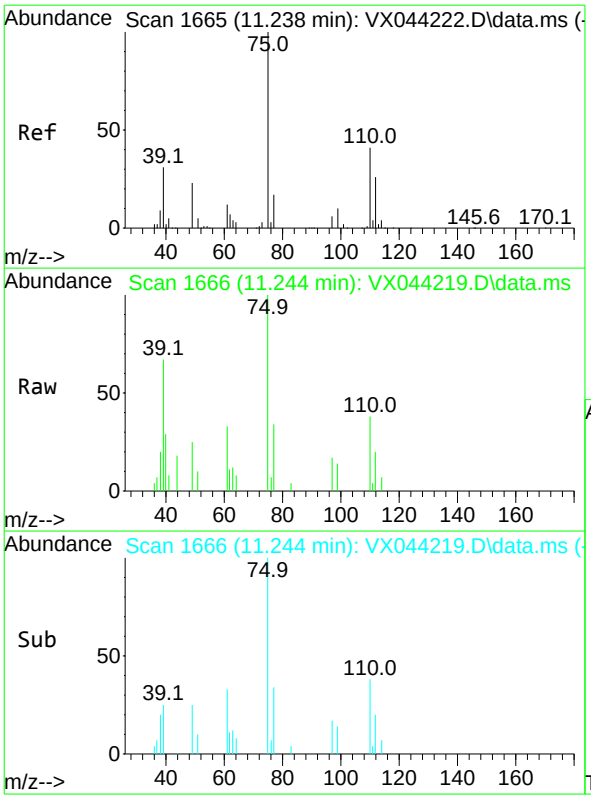


#75
1,1,2,2-Tetrachloroethane
Concen: 1.061 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 83 Resp: 2491

Ion	Ratio	Lower	Upper
83	100		
131	6.9	5.1	15.4
85	61.8	32.5	97.4





#76
1,2,3-Trichloropropane
Concen: 1.121 ug/l m
RT: 11.244 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 75 Resp: 2248

Ion	Ratio	Lower	Upper
75	100		
77	37.4	20.9	62.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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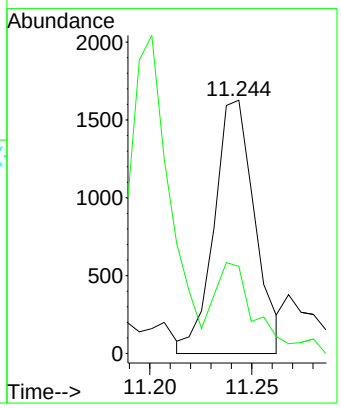
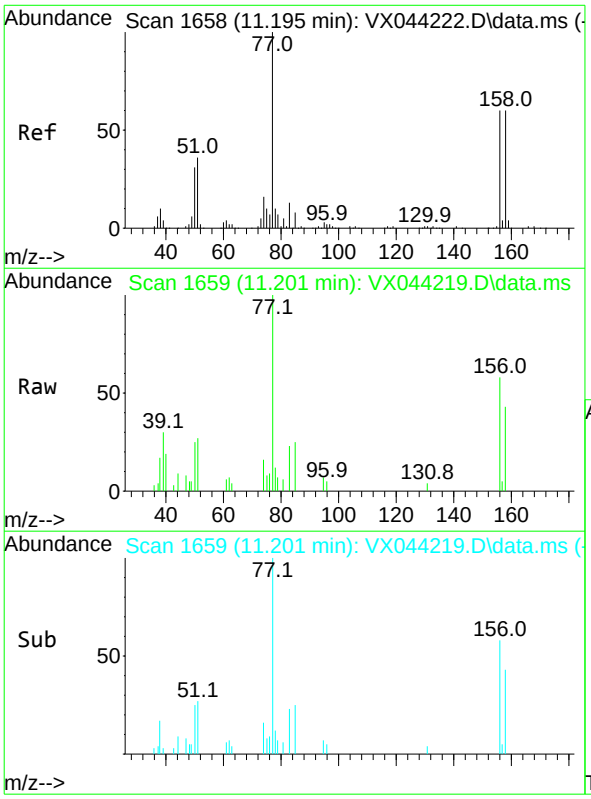
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

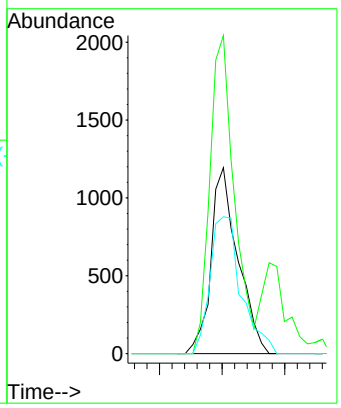


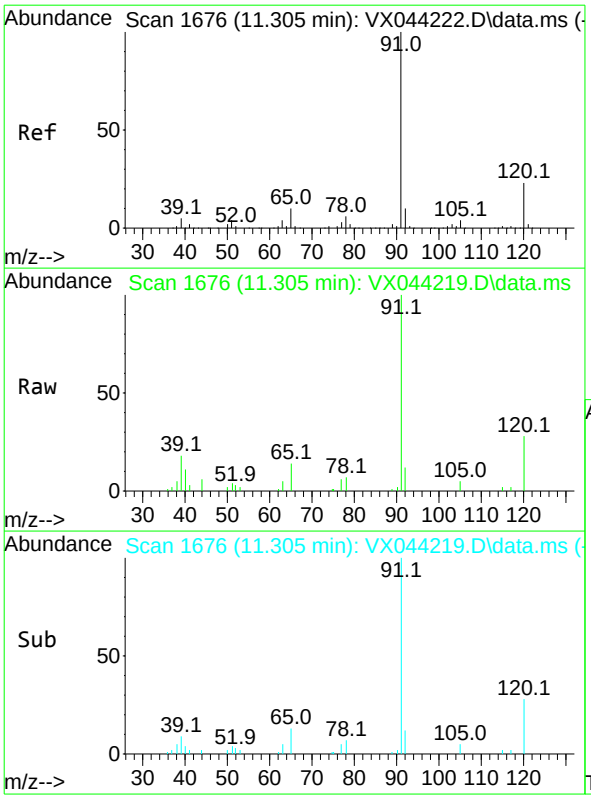


#77
Bromobenzene
Concen: 1.087 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:156 Resp: 1783

Ion	Ratio	Lower	Upper
156	100		
77	155.1	82.6	247.8
158	85.2	48.8	146.4





#78
n-propylbenzene
Concen: 0.884 ug/l
RT: 11.305 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 91 Resp: 6606

Ion	Ratio	Lower	Upper
91	100		
120	28.4	11.0	33.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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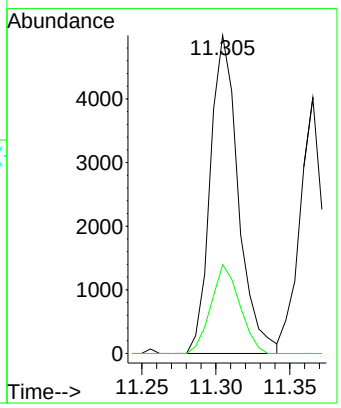
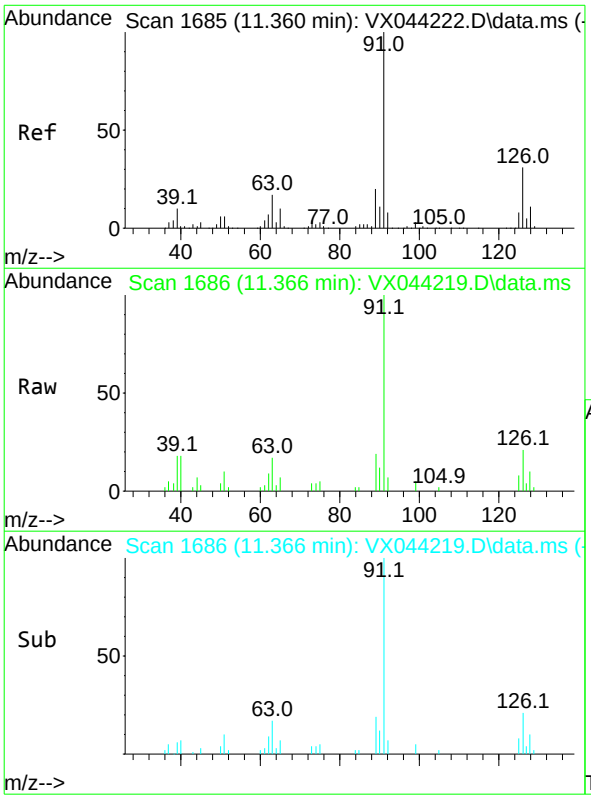
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

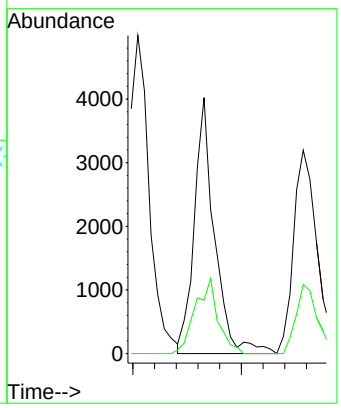


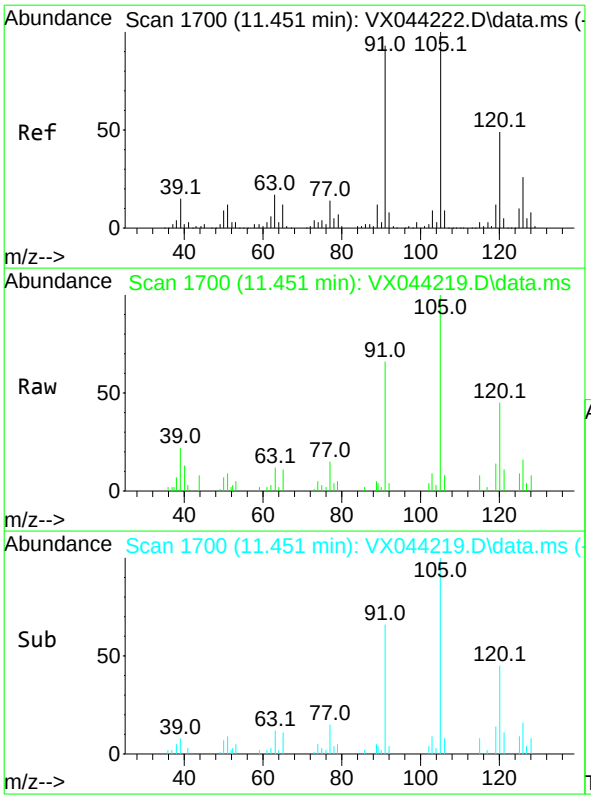


#79
2-Chlorotoluene
Concen: 1.075 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 91 Resp: 5194

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.4	49.1





#80
1,3,5-Trimethylbenzene
Concen: 0.966 ug/l
RT: 11.451 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:105 Resp: 5417

Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.8	71.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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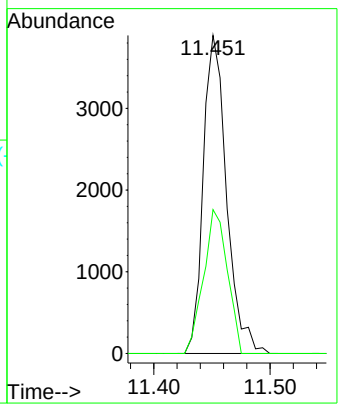
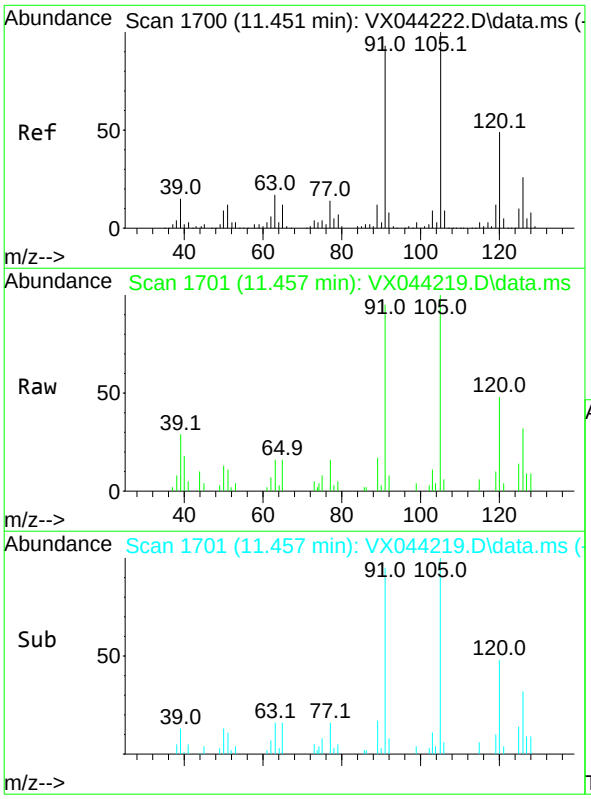
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

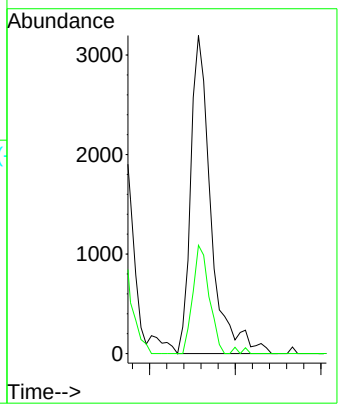


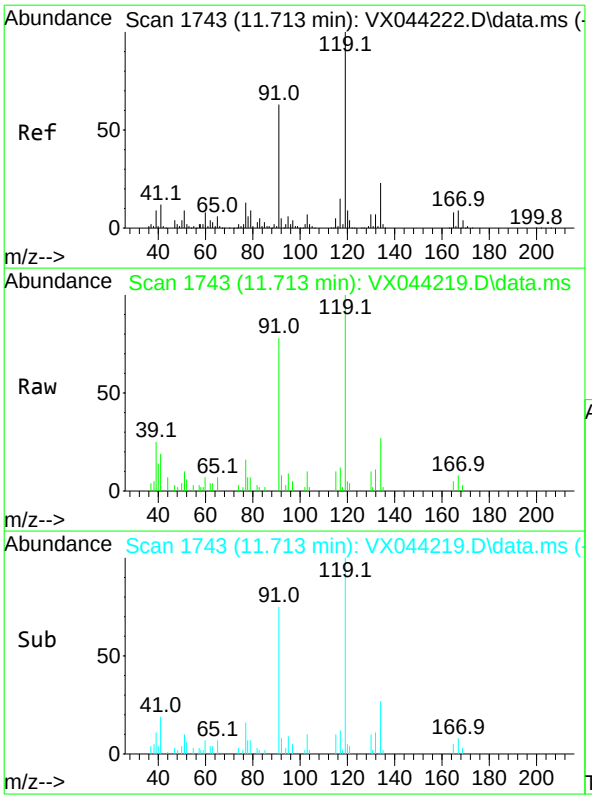


#82
4-Chlorotoluene
Concen: 0.978 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 91 Resp: 5236

Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.5	43.5





#83
tert-Butylbenzene
Concen: 1.011 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

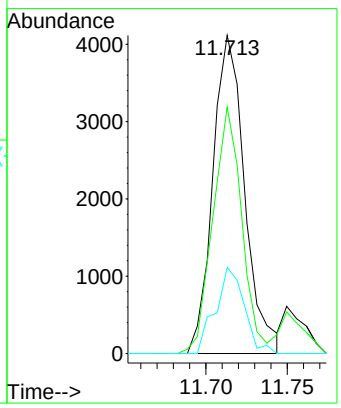
Tgt Ion:119 Resp: 5601

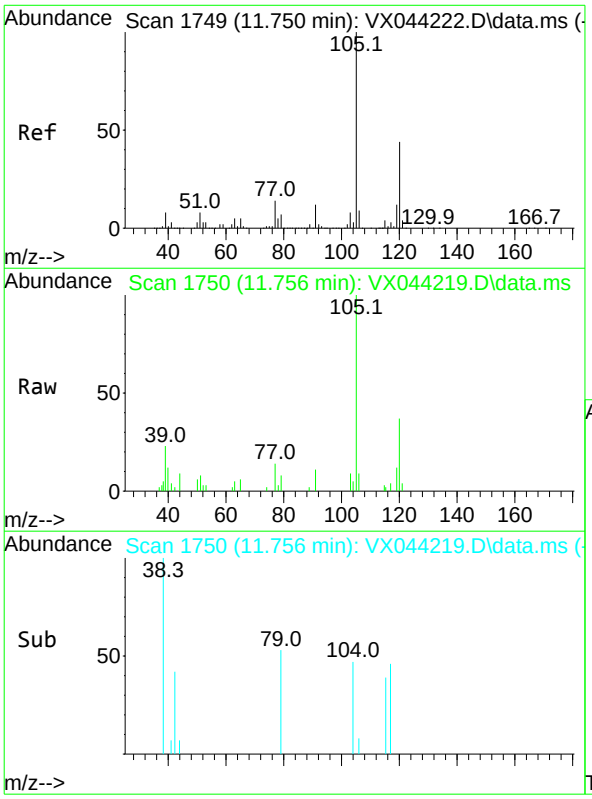
Ion	Ratio	Lower	Upper
119	100		
91	70.2	30.9	92.5
134	24.5	11.5	34.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

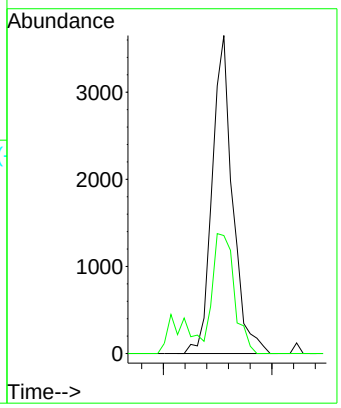


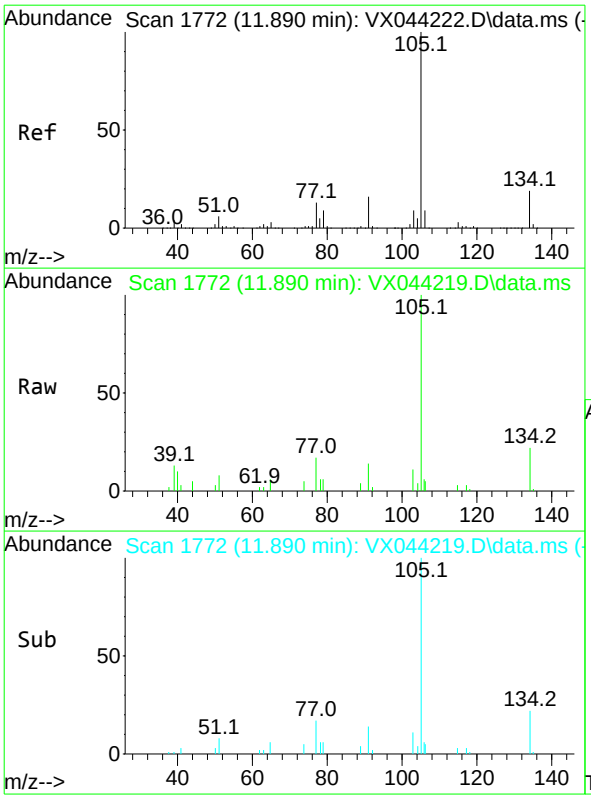


#84
1,2,4-Trimethylbenzene
Concen: 0.866 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:105 Resp: 4769

Ion	Ratio	Lower	Upper
105	100		
120	40.0	21.7	65.1





#85
sec-Butylbenzene
Concen: 0.966 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

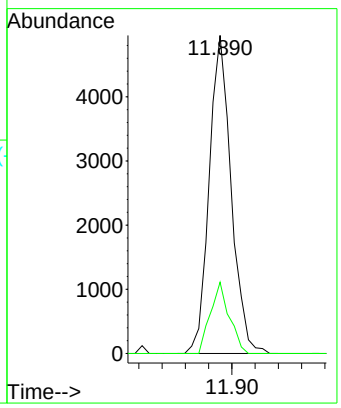
Tgt Ion:105 Resp: 6500

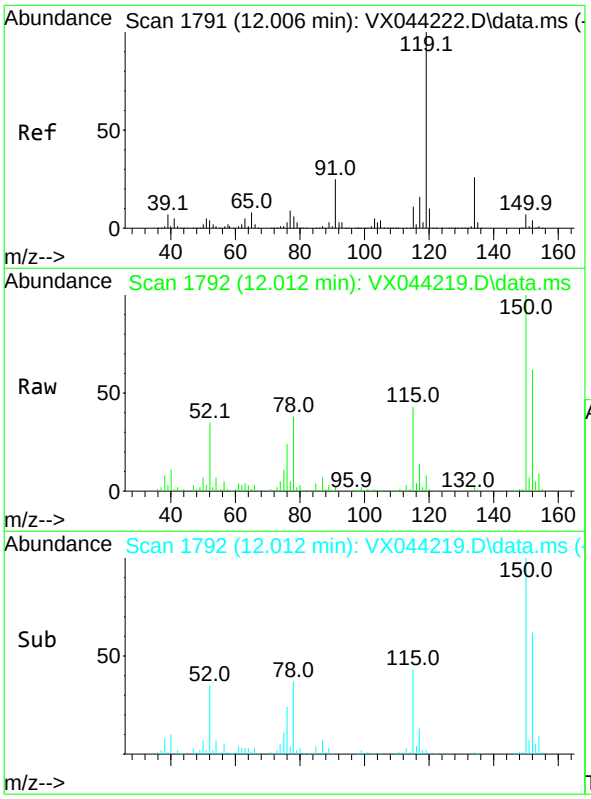
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

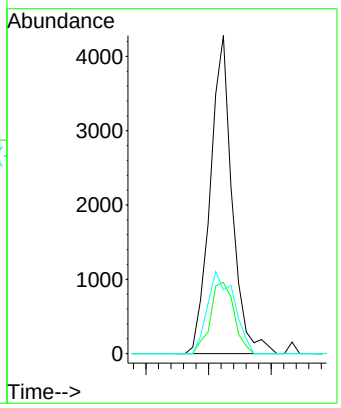


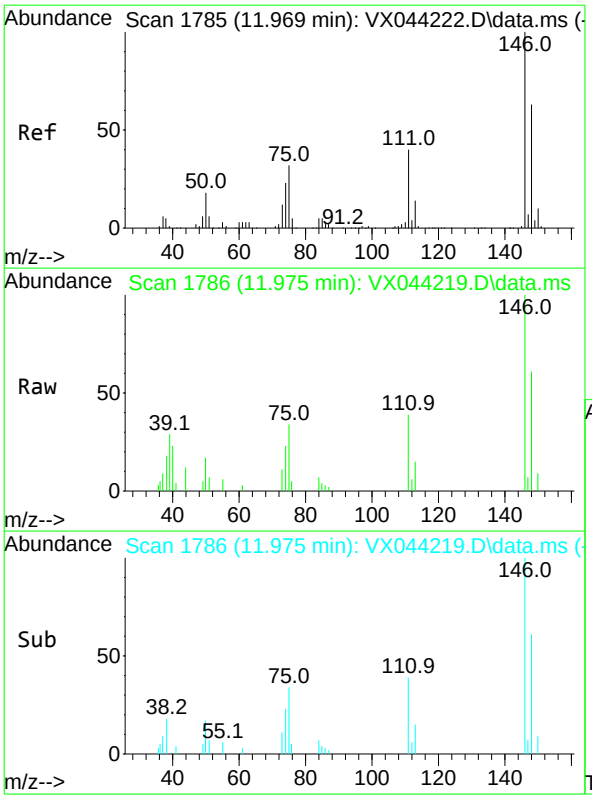


#86
p-Isopropyltoluene
Concen: 0.930 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:119 Resp: 5210

Ion	Ratio	Lower	Upper
119	100		
134	24.2	12.8	38.4
91	31.2	13.0	39.0





#87
1,3-Dichlorobenzene
Concen: 0.937 ug/l
RT: 11.975 min Scan# 17
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

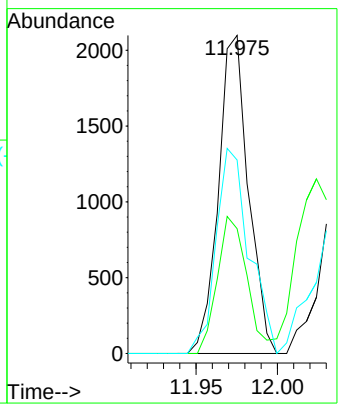
Tgt Ion:146 Resp: 2684

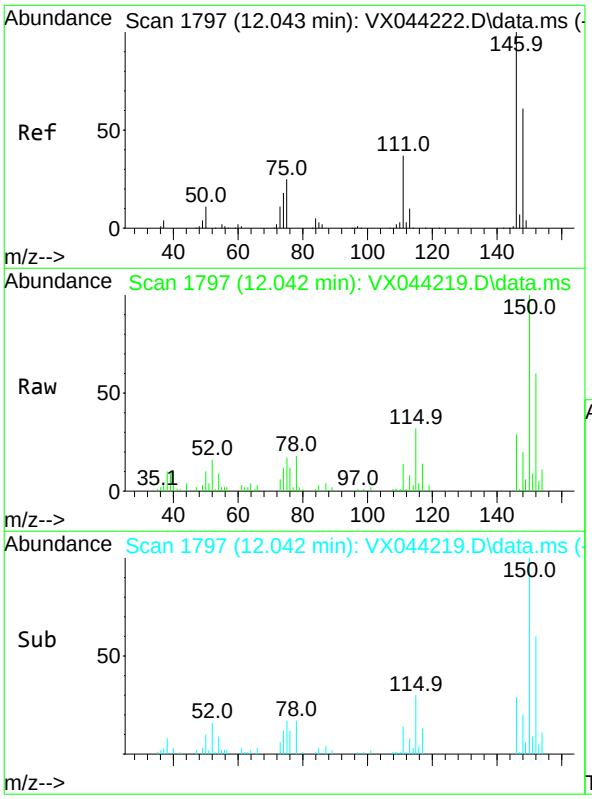
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.4	64.2
148	71.6	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

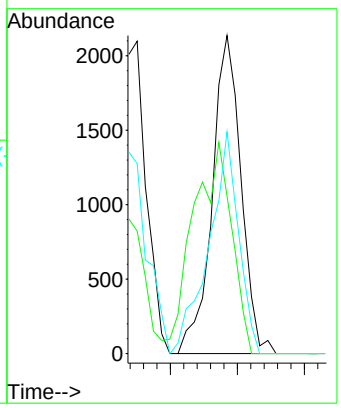


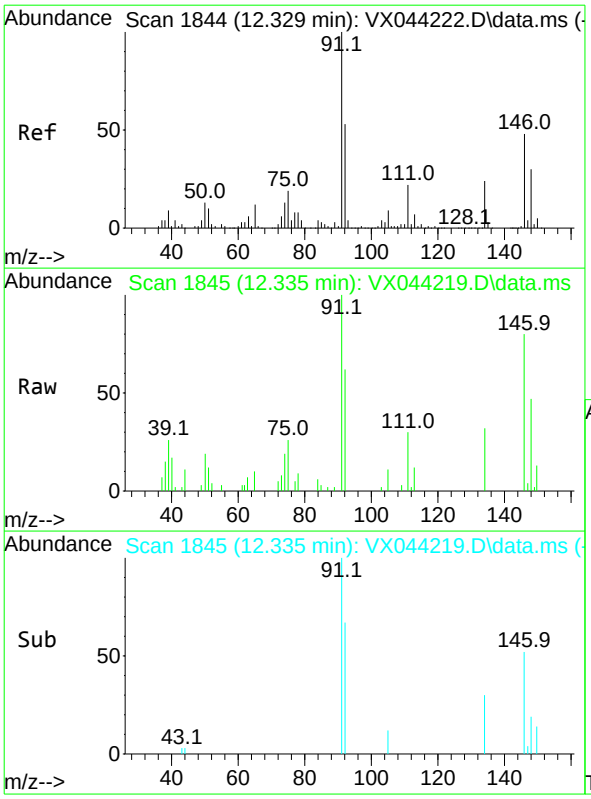


#88
1,4-Dichlorobenzene
Concen: 1.087 ug/l m
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:146 Resp: 3200

Ion	Ratio	Lower	Upper
146	100		
111	35.7	21.0	63.0
148	60.1	32.3	96.8





#89
n-Butylbenzene
Concen: 0.844 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

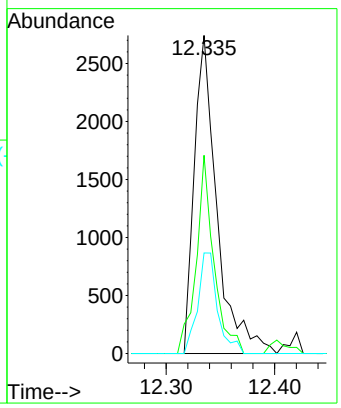
Tgt Ion: 91 Resp: 3973

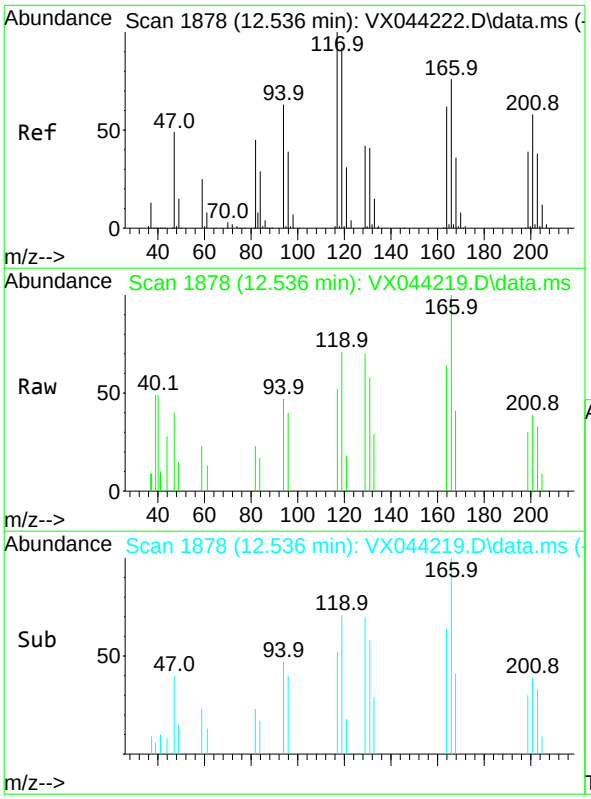
Ion	Ratio	Lower	Upper
91	100		
92	48.5	26.6	79.7
134	27.8	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

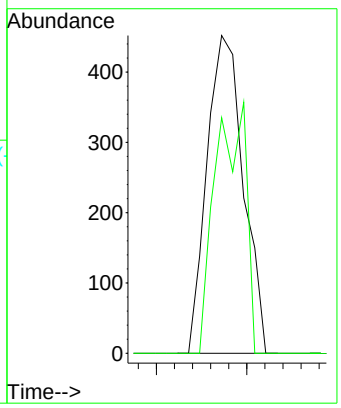


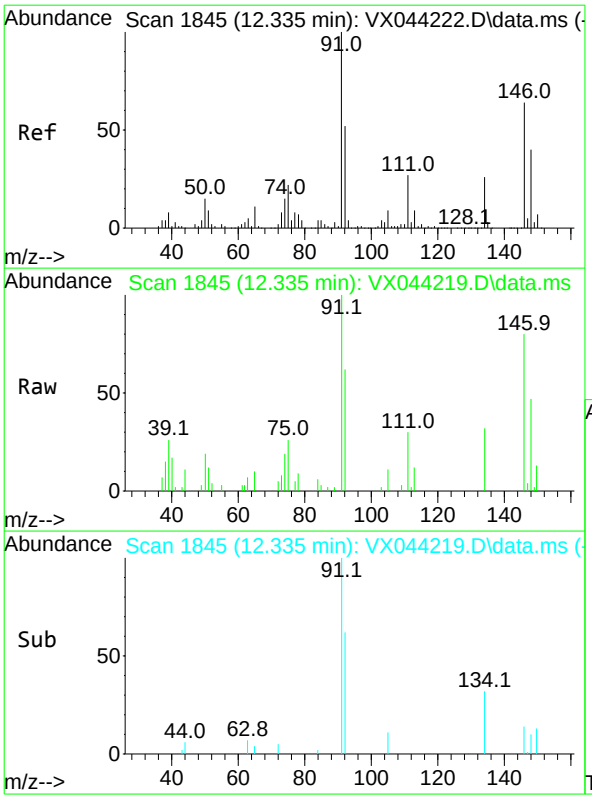


#90
Hexachloroethane
Concen: 0.773 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:117 Resp: 632

Ion	Ratio	Lower	Upper
117	100		
201	66.9	31.4	94.2





#91
1,2-Dichlorobenzene
Concen: 1.036 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

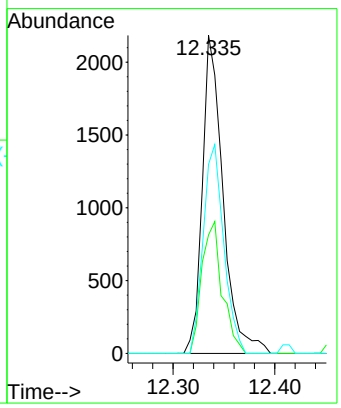
Tgt Ion:146 Resp: 3082

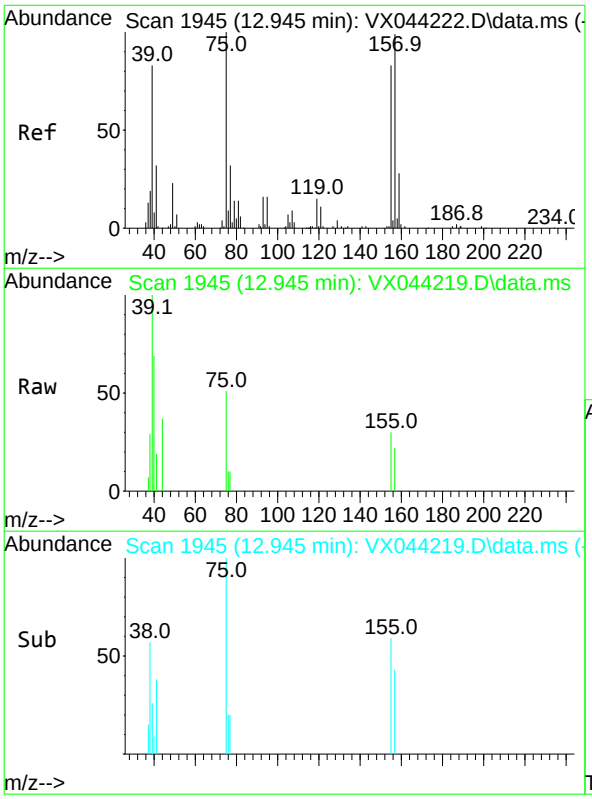
Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.4	64.3
148	65.4	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

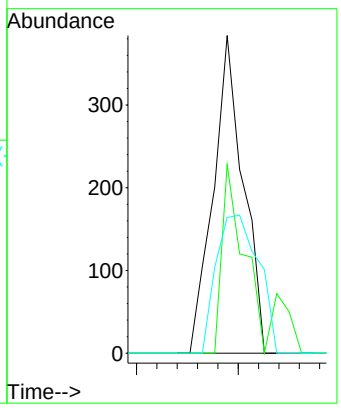


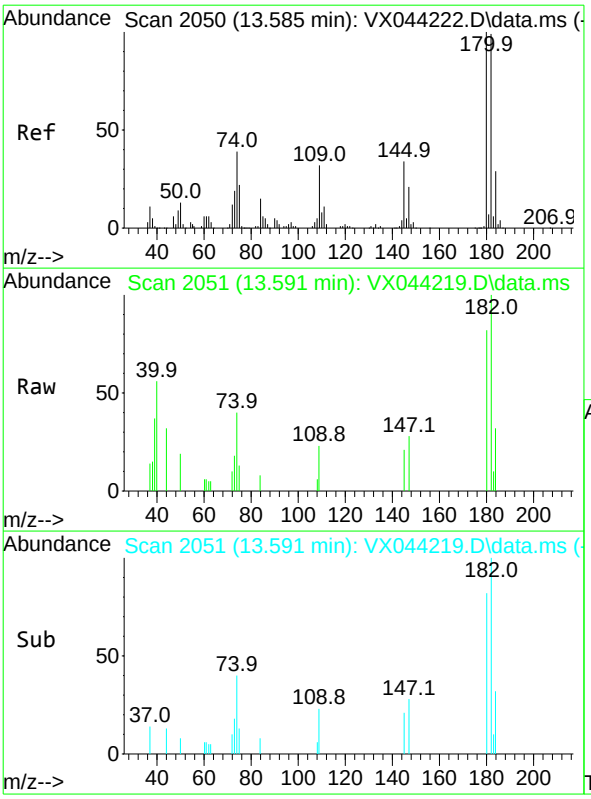


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.860 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 75 Resp: 392

Ion	Ratio	Lower	Upper
75	100		
155	54.6	38.1	114.3
157	61.5	47.2	141.6





#93
1,2,4-Trichlorobenzene
Concen: 0.835 ug/l
RT: 13.591 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

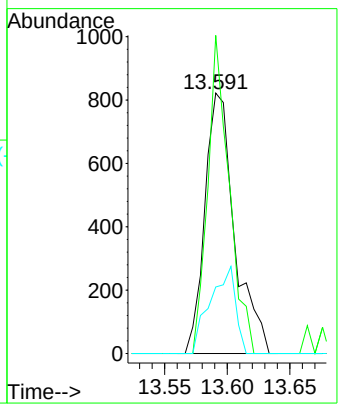
Tgt Ion:180 Resp: 1361

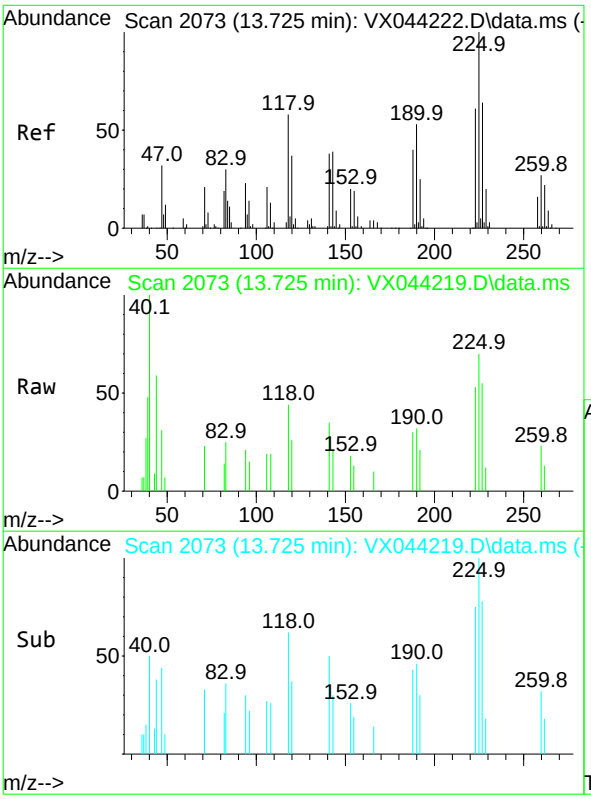
Ion	Ratio	Lower	Upper
180	100		
182	88.0	48.0	144.2
145	28.4	16.6	49.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

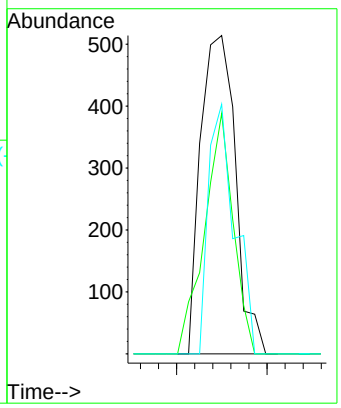


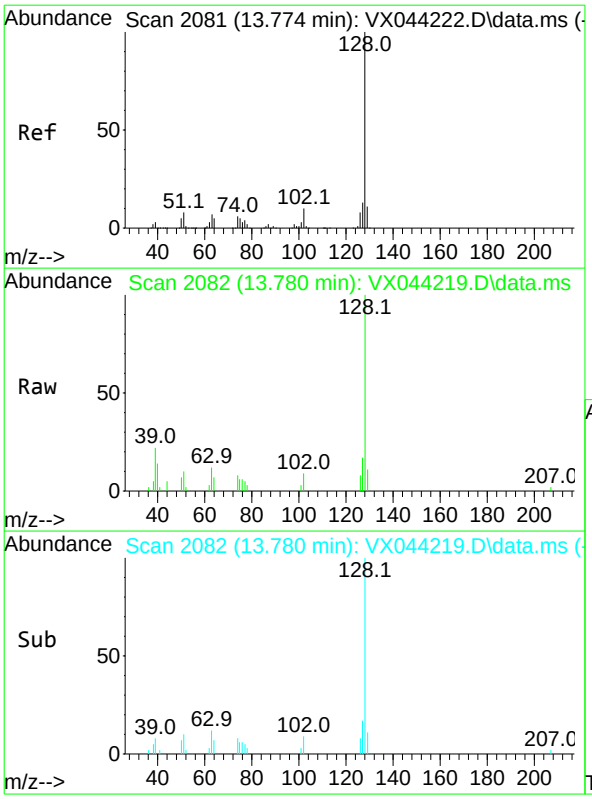


#94
Hexachlorobutadiene
Concen: 1.051 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:225 Resp: 689

Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.8	92.4
227	59.4	32.1	96.3





#95
Naphthalene
Concen: 0.812 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

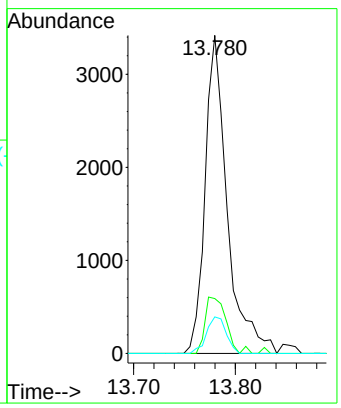
Tgt Ion:128 Resp: 5167

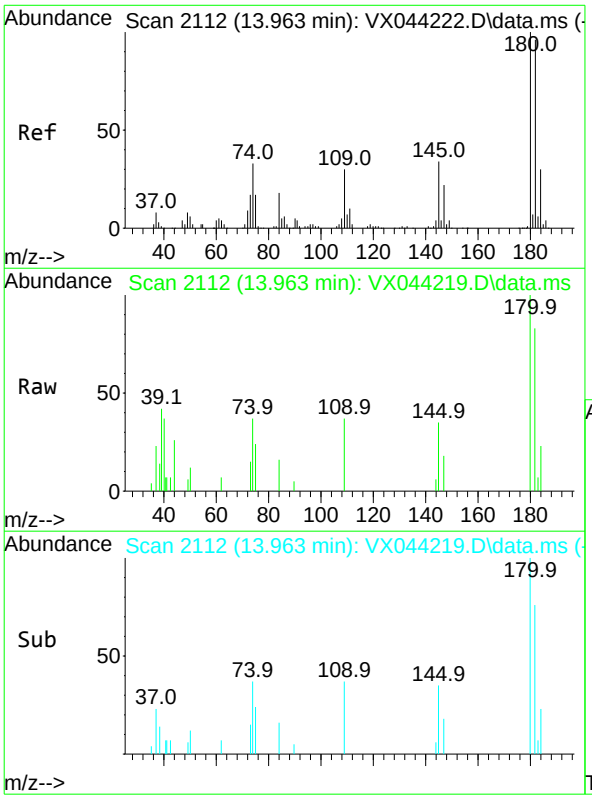
Ion	Ratio	Lower	Upper
128	100		
127	16.8	10.5	15.7#
129	10.2	9.0	13.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

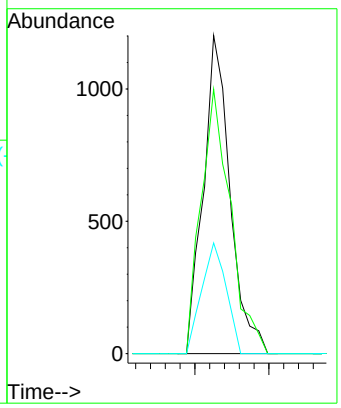




#96
1,2,3-Trichlorobenzene
Concen: 0.873 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:180 Resp: 1509

Ion	Ratio	Lower	Upper
180	100		
182	91.3	48.0	144.0
145	31.9	17.7	53.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044220.D
Acq On : 11 Dec 2024 11:27
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 04:13:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	139609	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	258881	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	13043	5.328	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 10.660%#			
35) Dibromofluoromethane	5.385	113	9145	5.100	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.200%#			
50) Toluene-d8	8.647	98	29732	4.915	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 9.840%#			
62) 4-Bromofluorobenzene	11.079	95	10101	4.779	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 9.560%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	10452	4.842	ug/l	91
3) Chloromethane	1.294	50	10429	5.052	ug/l	95
4) Vinyl Chloride	1.374	62	11031	5.129	ug/l	98
5) Bromomethane	1.593	94	8237	5.399	ug/l	92
6) Chloroethane	1.660	64	7253	5.416	ug/l	96
7) Trichlorofluoromethane	1.868	101	21207	5.037	ug/l	91
8) Diethyl Ether	2.136	74	7199	5.009	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	8766	5.145	ug/l	97
10) Methyl Iodide	2.447	142	11066	4.928	ug/l	97
11) Tert butyl alcohol	2.995	59	7159m	20.785	ug/l	
12) 1,1-Dichloroethene	2.306	96	7822	4.999	ug/l	95
13) Acrolein	2.239	56	12521	25.073	ug/l	100
14) Allyl chloride	2.654	41	12490	4.792	ug/l	94
15) Acrylonitrile	3.069	53	23276	24.357	ug/l	99
16) Acetone	2.392	43	24645	24.696	ug/l	93
17) Carbon Disulfide	2.495	76	12169	4.091	ug/l	99
18) Methyl Acetate	2.709	43	12412	4.824	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	30546	5.002	ug/l	94
20) Methylene Chloride	2.782	84	9466	5.050	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	7768	4.671	ug/l	97
22) Diisopropyl ether	3.764	45	29518	5.029	ug/l #	73
23) Vinyl Acetate	3.721	43	109670	22.983	ug/l	96
24) 1,1-Dichloroethane	3.605	63	16370	5.004	ug/l	96
25) 2-Butanone	4.574	43	34245	24.138	ug/l	97
26) 2,2-Dichloropropane	4.471	77	12514	4.708	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	10292	4.873	ug/l	97
28) Bromochloromethane	4.897	49	8049	5.017	ug/l #	93
29) Tetrahydrofuran	5.019	42	24307	26.693	ug/l	94
30) Chloroform	5.093	83	18319	4.984	ug/l	93
31) Cyclohexane	5.464	56	12995	4.919	ug/l	89
32) 1,1,1-Trichloroethane	5.373	97	14231	4.664	ug/l	96
36) 1,1-Dichloropropene	5.690	75	11455	4.942	ug/l	94
37) Ethyl Acetate	4.727	43	13265	4.630	ug/l	97
38) Carbon Tetrachloride	5.666	117	11476	4.599	ug/l	96
39) Methylcyclohexane	7.373	83	13019	4.699	ug/l #	85
40) Benzene	6.037	78	35018	4.976	ug/l	98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044220.D
Acq On : 11 Dec 2024 11:27
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 04:13:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.946	41	7585	4.986 ug/l	93
42) 1,2-Dichloroethane	6.092	62	14419	4.974 ug/l	99
43) Isopropyl Acetate	6.354	43	22098	4.935 ug/l	98
44) Trichloroethene	7.123	130	8405	4.790 ug/l	100
45) 1,2-Dichloropropane	7.434	63	8932	4.968 ug/l	94
46) Dibromomethane	7.586	93	6915	4.958 ug/l	99
47) Bromodichloromethane	7.824	83	10646	4.420 ug/l #	98
48) Methyl methacrylate	7.702	41	9586	4.410 ug/l	97
49) 1,4-Dioxane	7.671	88	3545m	95.429 ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	71285	24.759 ug/l	98
52) Toluene	8.720	92	21486	4.862 ug/l	99
53) t-1,3-Dichloropropene	8.982	75	9232	4.665 ug/l	100
54) cis-1,3-Dichloropropene	8.372	75	11404	4.348 ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	8590	4.893 ug/l	97
56) Ethyl methacrylate	9.122	69	11854	4.277 ug/l #	89
57) 1,3-Dichloropropane	9.311	76	15352	5.024 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	34738	24.852 ug/l	99
59) 2-Hexanone	9.433	43	50003	23.994 ug/l	96
60) Dibromochloromethane	9.519	129	6411	4.738 ug/l	98
61) 1,2-Dibromoethane	9.610	107	8330	4.662 ug/l	97
64) Tetrachloroethene	9.275	164	7710	5.334 ug/l #	87
65) Chlorobenzene	10.079	112	23268	4.986 ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	6647	4.432 ug/l	94
67) Ethyl Benzene	10.195	91	39326	4.877 ug/l	97
68) m/p-Xylenes	10.299	106	28758	9.720 ug/l	98
69) o-Xylene	10.640	106	14864	4.965 ug/l	97
70) Styrene	10.659	104	22191	4.624 ug/l	98
71) Bromoform	10.799	173	3775	5.118 ug/l #	98
73) Isopropylbenzene	10.963	105	37843	5.194 ug/l	98
74) N-amyl acetate	10.842	43	15418	4.579 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	12848	5.077 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	10236m	4.740 ug/l	
77) Bromobenzene	11.201	156	8892	5.033 ug/l	99
78) n-propylbenzene	11.305	91	40574	5.038 ug/l	96
79) 2-Chlorotoluene	11.366	91	27096	5.203 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	30665	5.075 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	2249	8.273 ug/l #	62
82) 4-Chlorotoluene	11.457	91	29039	5.035 ug/l	99
83) tert-Butylbenzene	11.713	119	29283	4.904 ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	30970	5.219 ug/l	99
85) sec-Butylbenzene	11.890	105	35670	4.921 ug/l	98
86) p-Isopropyltoluene	12.006	119	29132	4.828 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	15553	5.039 ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	15609	4.920 ug/l	95
89) n-Butylbenzene	12.335	91	22719	4.478 ug/l	98
90) Hexachloroethane	12.536	117	3765	4.275 ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	15858	4.949 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2154	4.385 ug/l	81
93) 1,2,4-Trichlorobenzene	13.591	180	7867	4.478 ug/l	96
94) Hexachlorobutadiene	13.725	225	3321	4.700 ug/l	93
95) Naphthalene	13.780	128	31842	4.643 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	8422	4.520 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044220.D
Acq On : 11 Dec 2024 11:27
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Dec 12 04:13:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Manual Integrations
APPROVED
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044220.D
Acq On : 11 Dec 2024 11:27
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 04:13:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED
Reviewed By :John Carlone 12/12/2024
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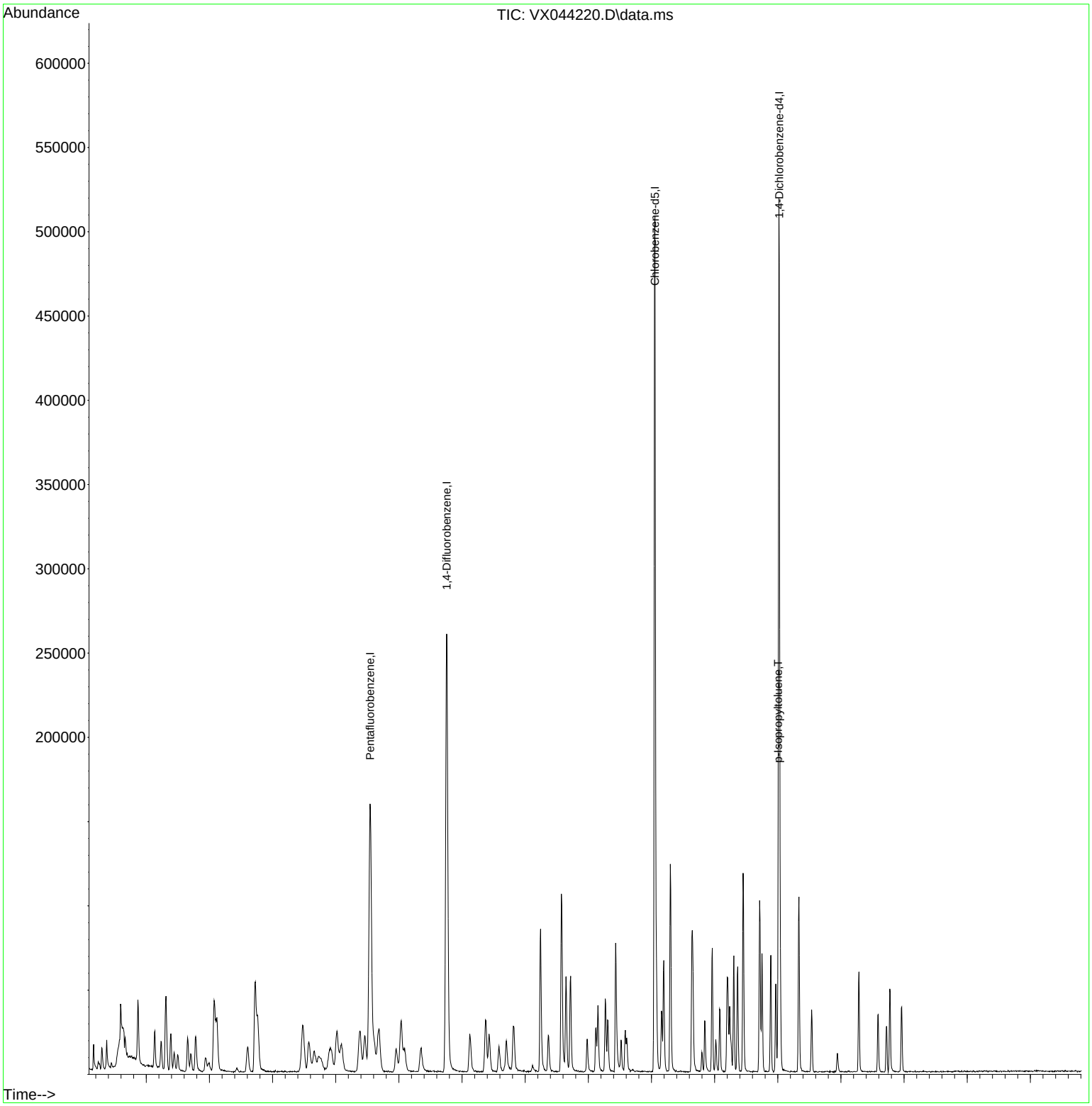
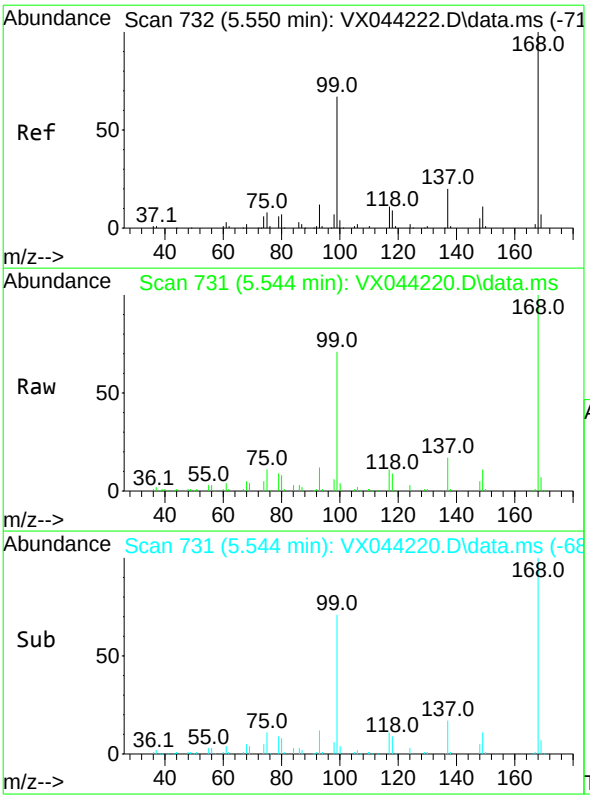




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

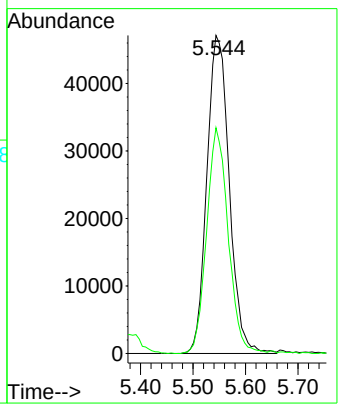
Tgt Ion:168 Resp: 139609

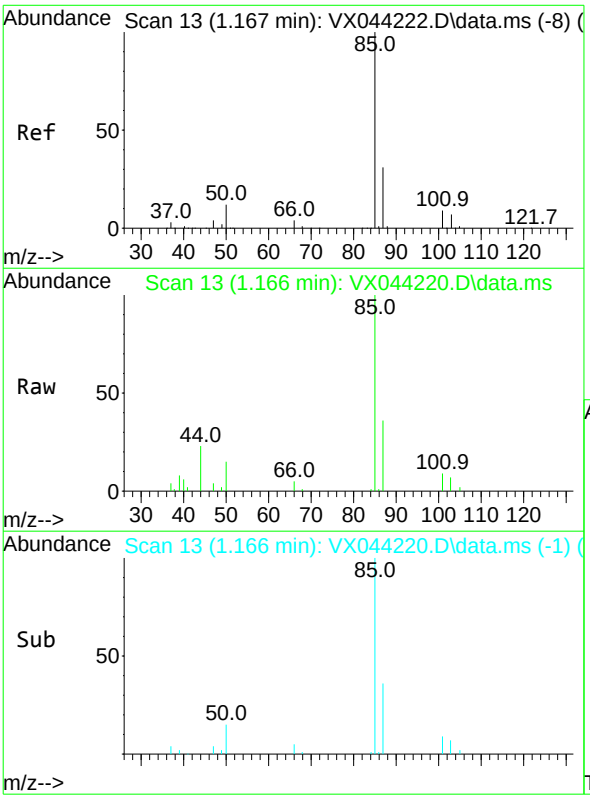
Ion	Ratio	Lower	Upper
168	100		
99	71.0	53.4	80.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

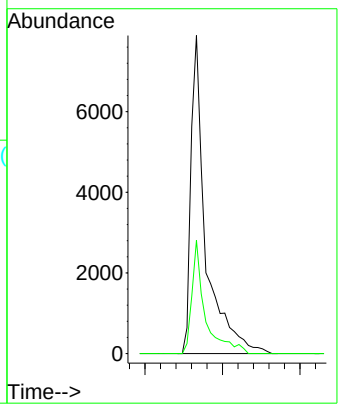


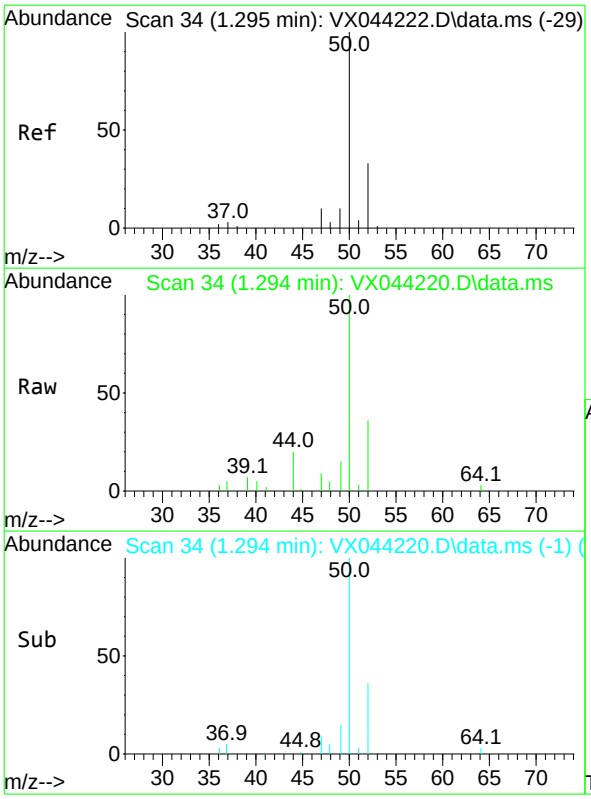


#2
Dichlorodifluoromethane
Concen: 4.842 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 85 Resp: 10452

Ion	Ratio	Lower	Upper
85	100		
87	35.6	15.4	46.4





#3
Chloromethane
Concen: 5.052 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

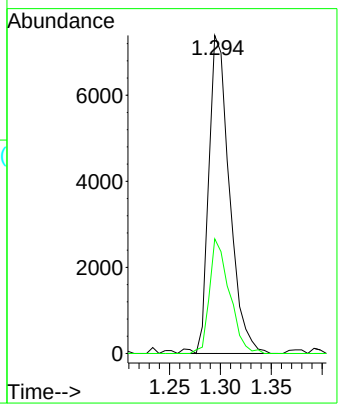
Tgt Ion: 50 Resp: 10429

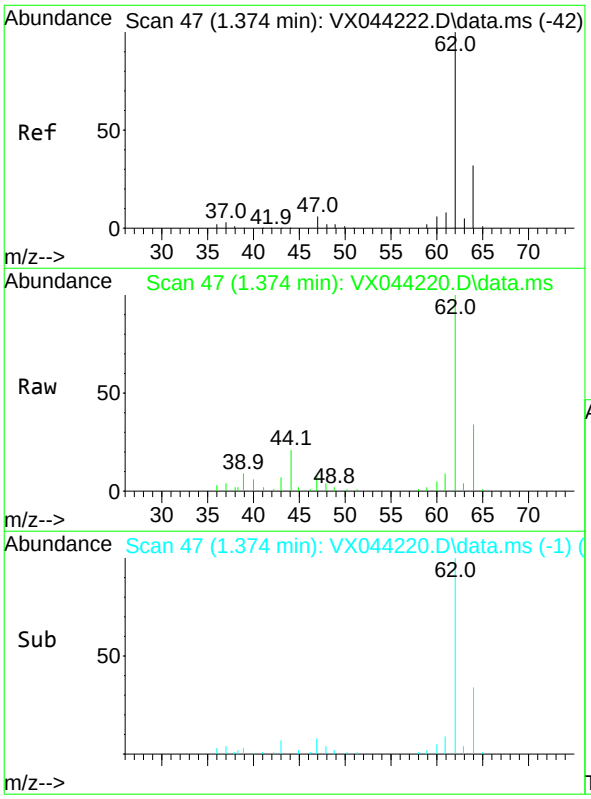
Ion	Ratio	Lower	Upper
50	100		
52	36.0	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

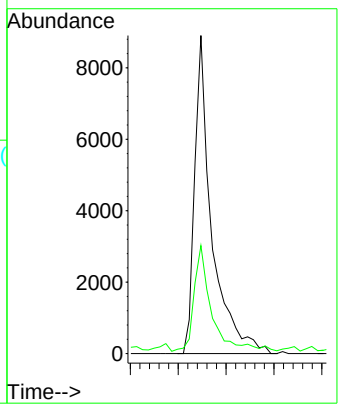


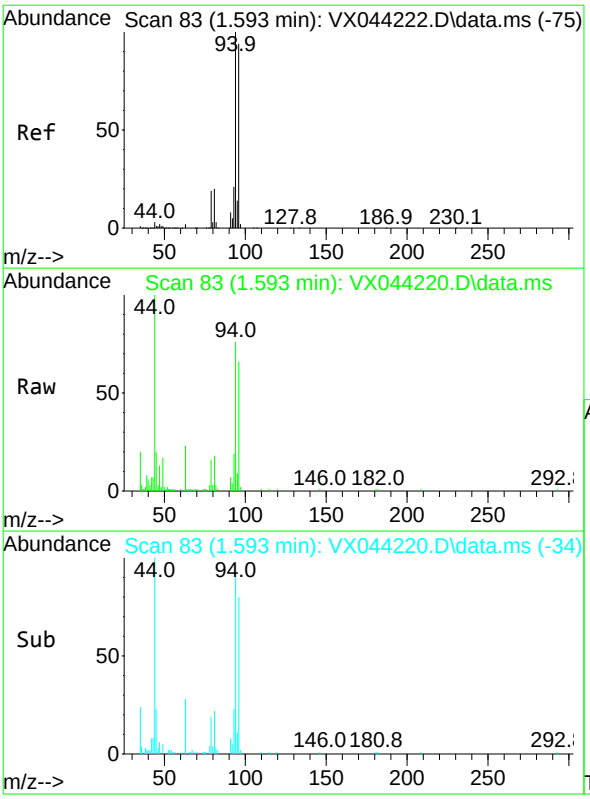


#4
Vinyl Chloride
Concen: 5.129 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 62 Resp: 11031

Ion	Ratio	Lower	Upper
62	100		
64	33.1	25.7	38.5





#5
Bromomethane
Concen: 5.399 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

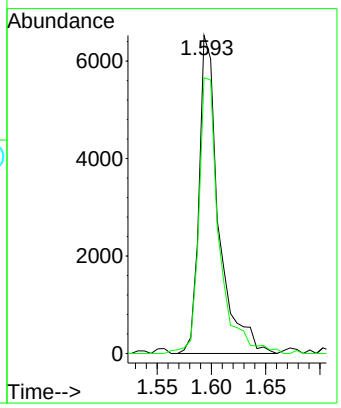
Tgt Ion: 94 Resp: 8237

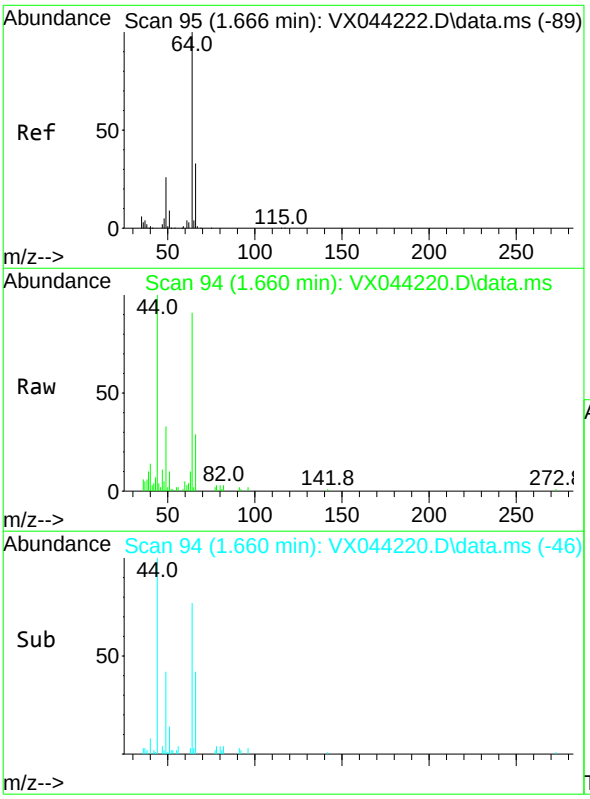
Ion	Ratio	Lower	Upper
94	100		
96	85.5	74.9	112.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

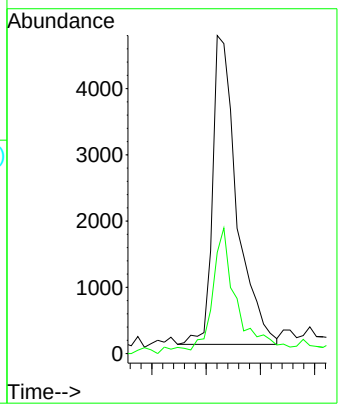


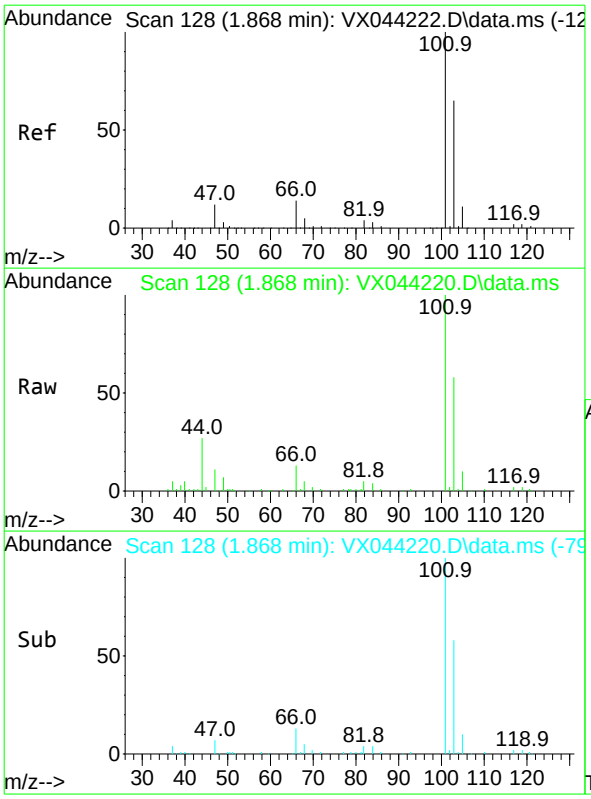


#6
Chloroethane
Concen: 5.416 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 64 Resp: 7253

Ion	Ratio	Lower	Upper
64	100		
66	30.7	26.6	39.8





#7
Trichlorofluoromethane
Concen: 5.037 ug/l
RT: 1.868 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

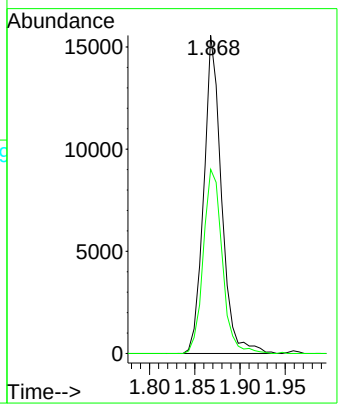
Tgt Ion:101 Resp: 21207

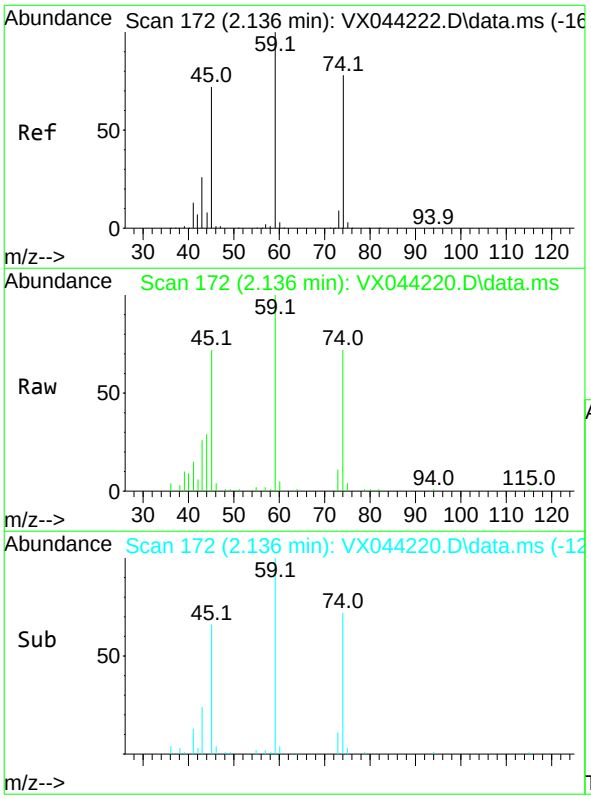
Ion	Ratio	Lower	Upper
101	100		
103	57.9	51.8	77.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

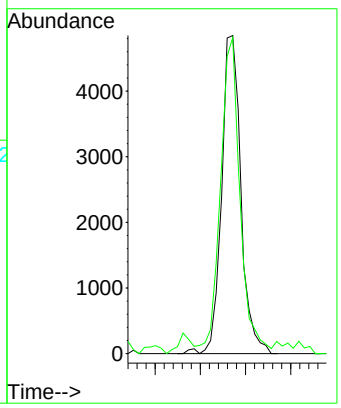


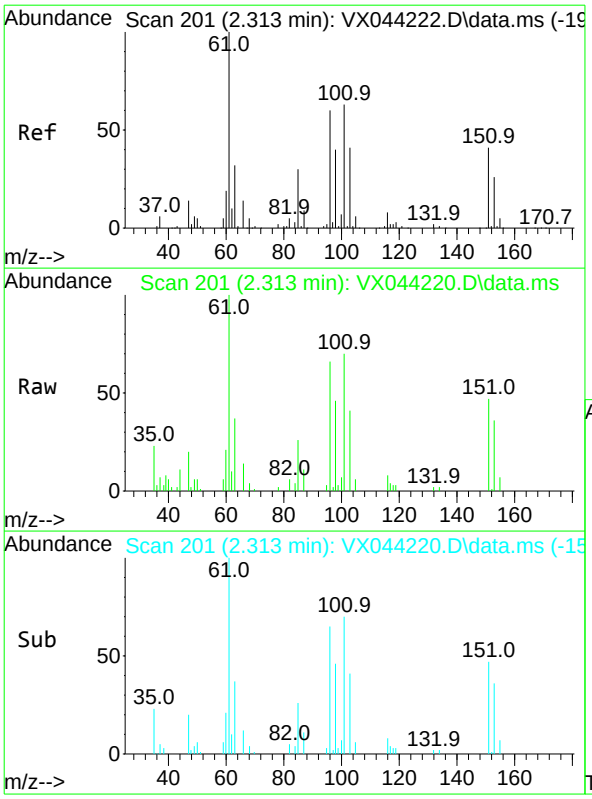


#8
Diethyl Ether
Concen: 5.009 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 74 Resp: 7199

Ion	Ratio	Lower	Upper
74	100		
45	97.0	48.4	145.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.145 ug/l
RT: 2.313 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:101 Resp: 8766

Ion	Ratio	Lower	Upper
101	100		
85	46.7	38.5	57.7
151	66.2	55.8	83.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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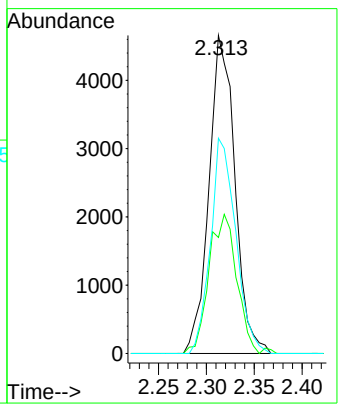
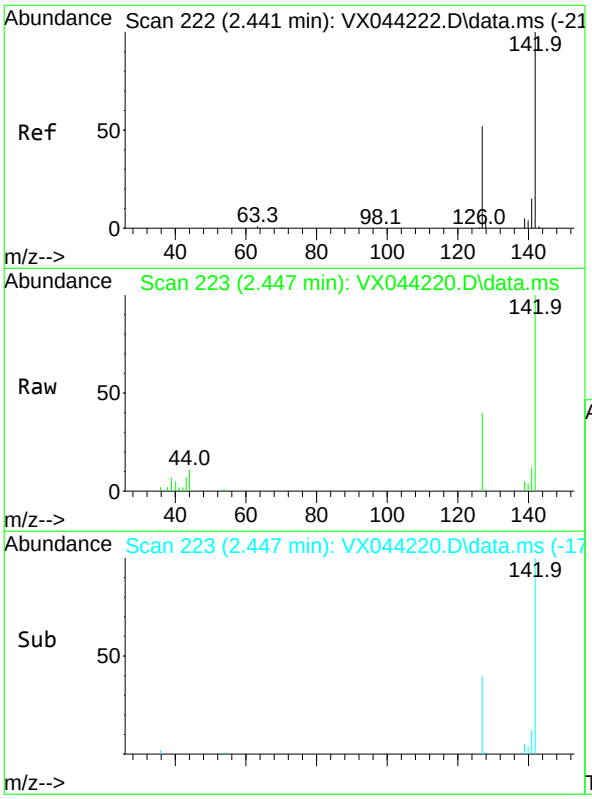
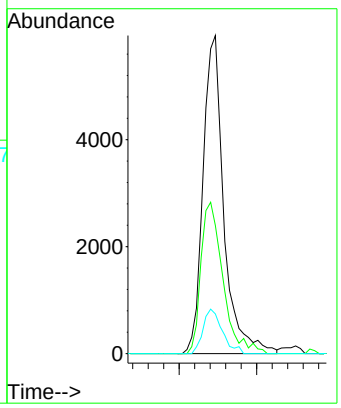


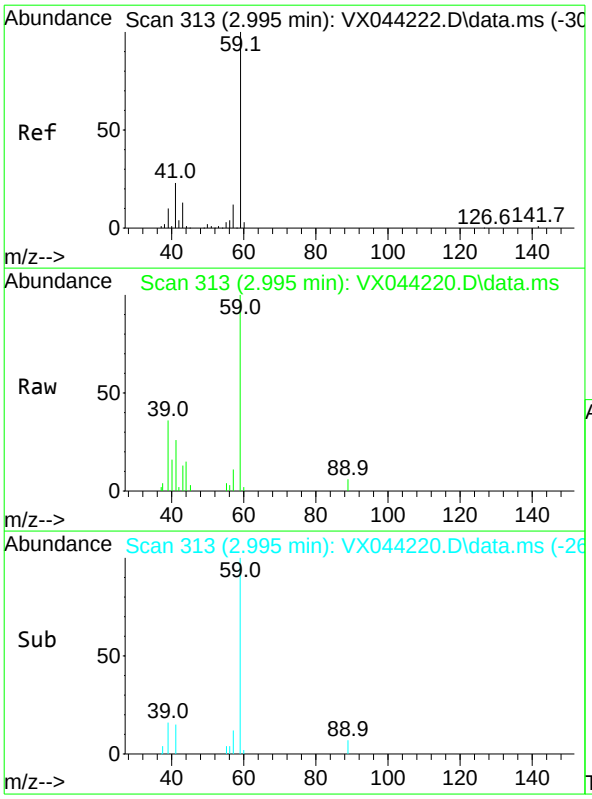


#10
Methyl Iodide
Concen: 4.928 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:142 Resp: 11066

Ion	Ratio	Lower	Upper
142	100		
127	50.4	41.8	62.8
141	12.9	11.5	17.3





#11
Tert butyl alcohol
Concen: 20.785 ug/l m
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 59 Resp: 7159

Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.8	13.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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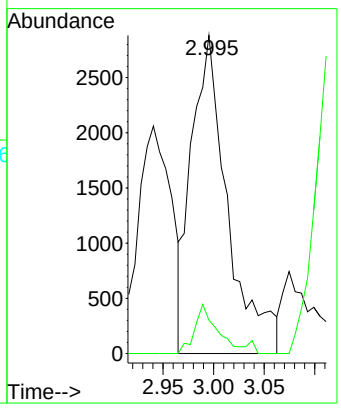
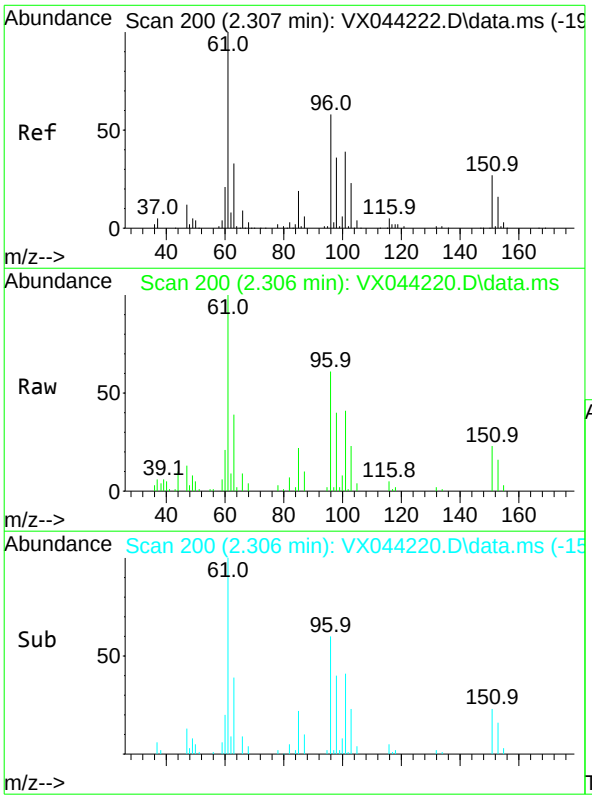
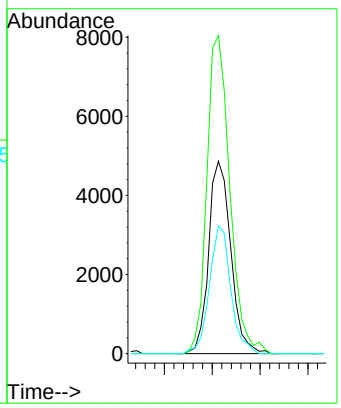


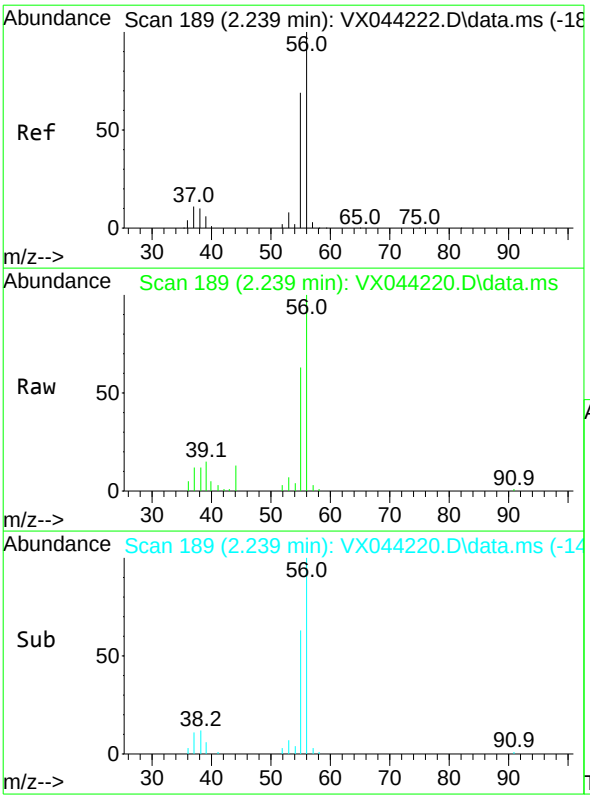


#12
1,1-Dichloroethene
Concen: 4.999 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 96 Resp: 7822

Ion	Ratio	Lower	Upper
96	100		
61	165.2	138.0	207.0
98	66.2	50.0	75.0





#13
Acrolein
Concen: 25.073 ug/l
RT: 2.239 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

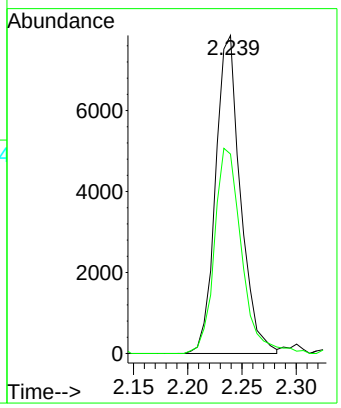
Tgt Ion: 56 Resp: 12521

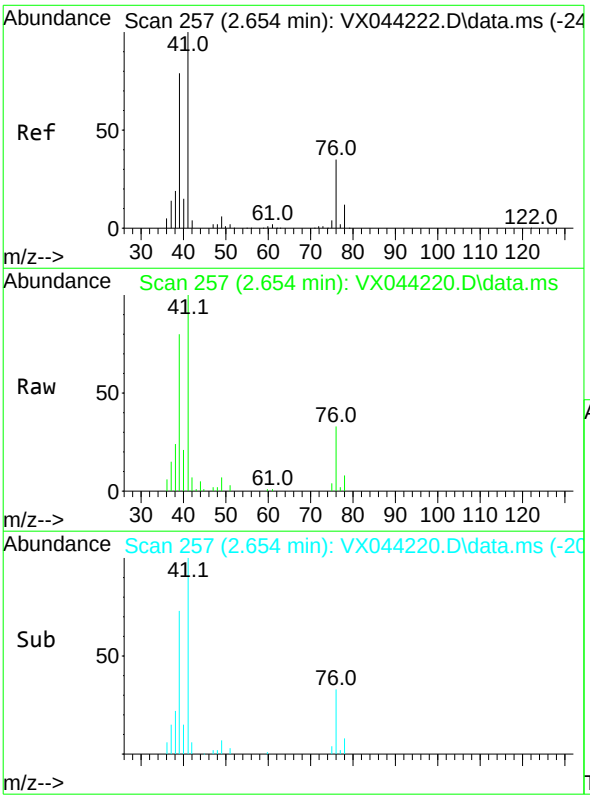
Ion	Ratio	Lower	Upper
56	100		
55	70.6	56.6	84.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

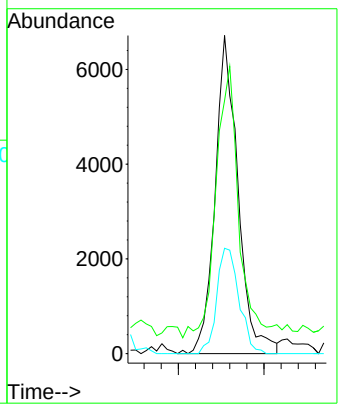


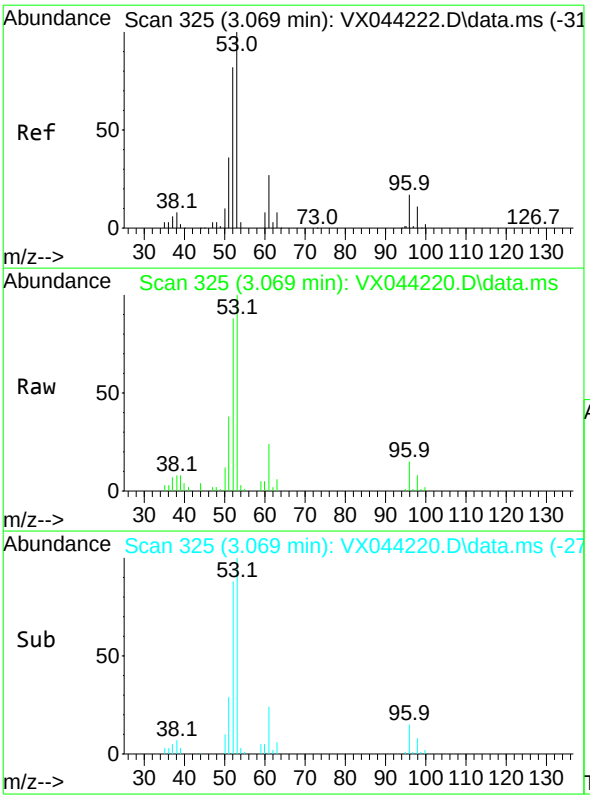


#14
Allyl chloride
Concen: 4.792 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 41 Resp: 12490

Ion	Ratio	Lower	Upper
41	100		
39	84.0	61.9	92.9
76	32.1	27.4	41.2





#15
Acrylonitrile
Concen: 24.357 ug/l
RT: 3.069 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

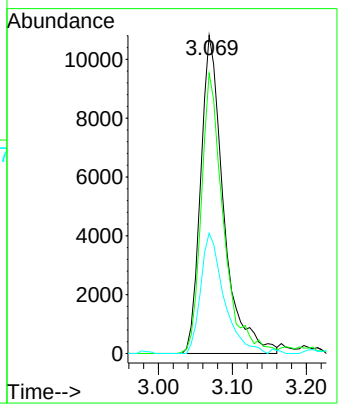
Tgt Ion: 53 Resp: 23276

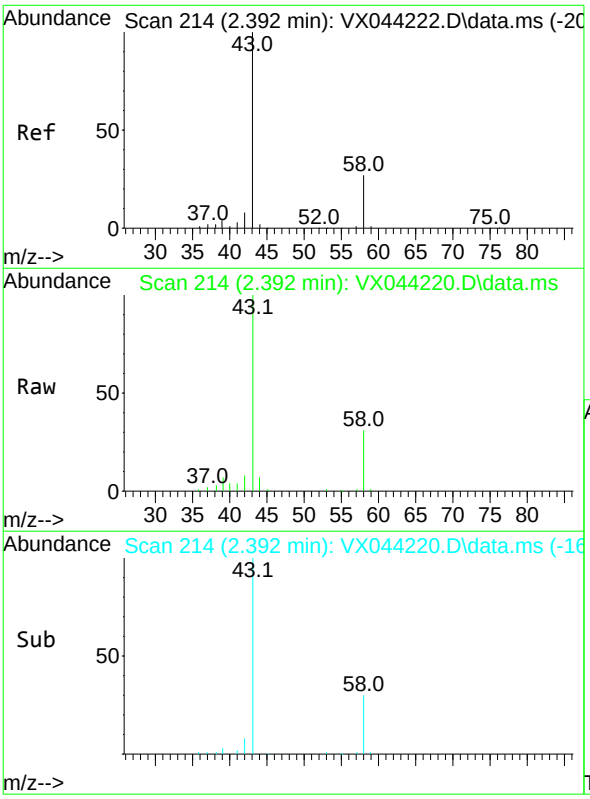
Ion	Ratio	Lower	Upper
53	100		
52	85.0	67.4	101.0
51	38.2	30.3	45.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

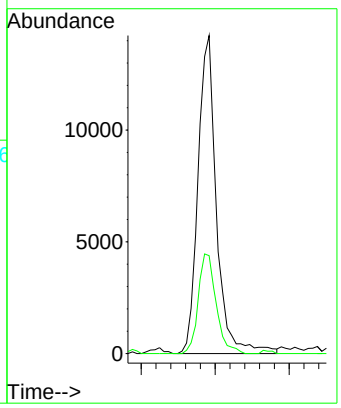


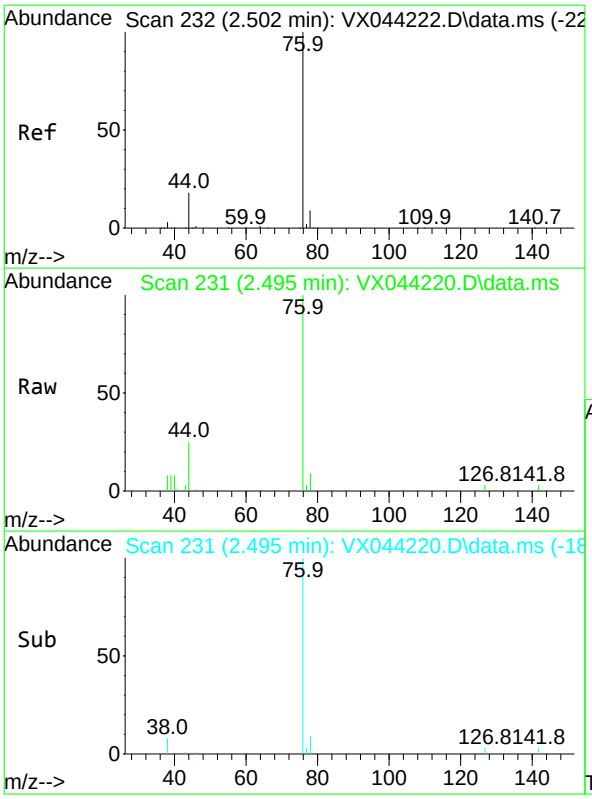


#16
Acetone
Concen: 24.696 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 43 Resp: 24645

Ion	Ratio	Lower	Upper
43	100		
58	30.8	21.6	32.4





#17
Carbon Disulfide
Concen: 4.091 ug/l
RT: 2.495 min Scan# 23
Delta R.T. -0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 76 Resp: 12169

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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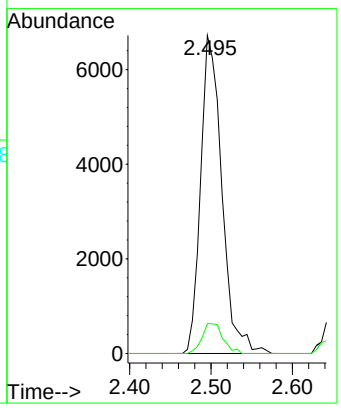
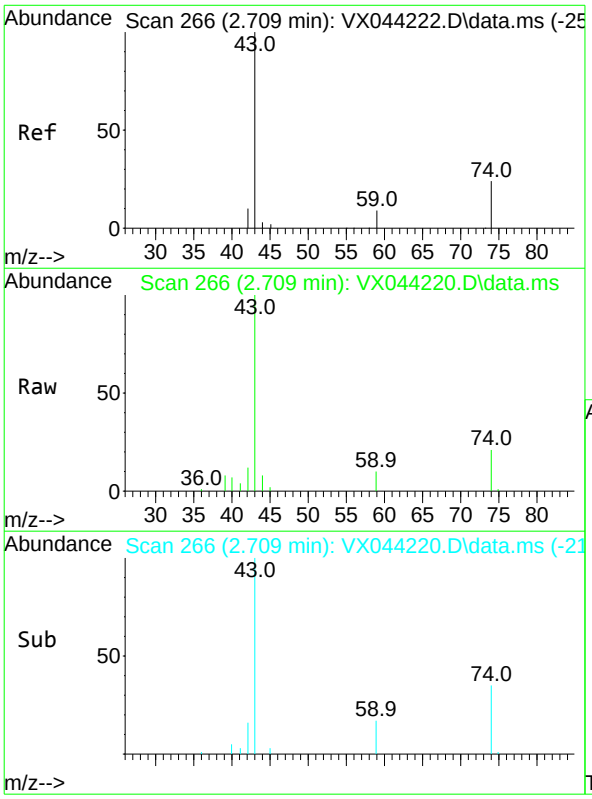
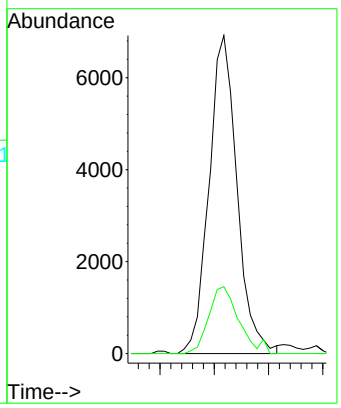


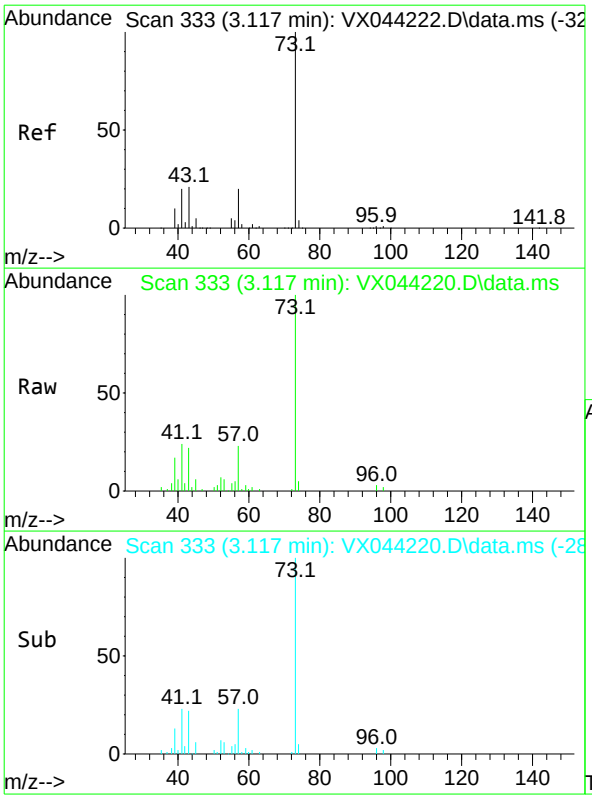


#18
Methyl Acetate
Concen: 4.824 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 43 Resp: 12412

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.7	26.5





#19
Methyl tert-butyl Ether
Concen: 5.002 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 73 Resp: 30546

Ion	Ratio	Lower	Upper
73	100		
57	22.9	16.2	24.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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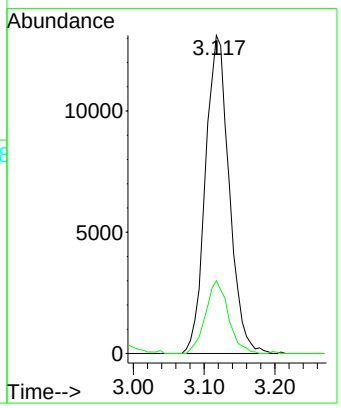
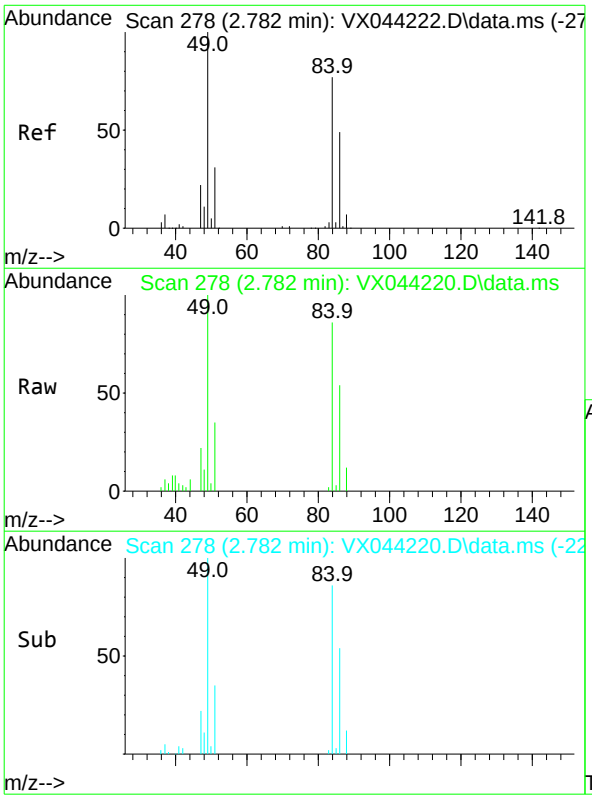
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

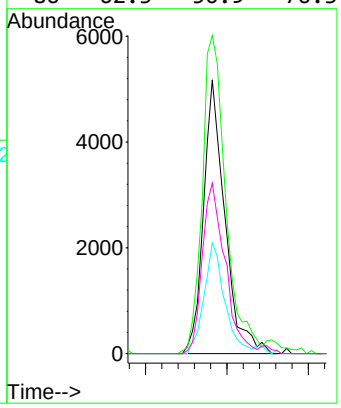


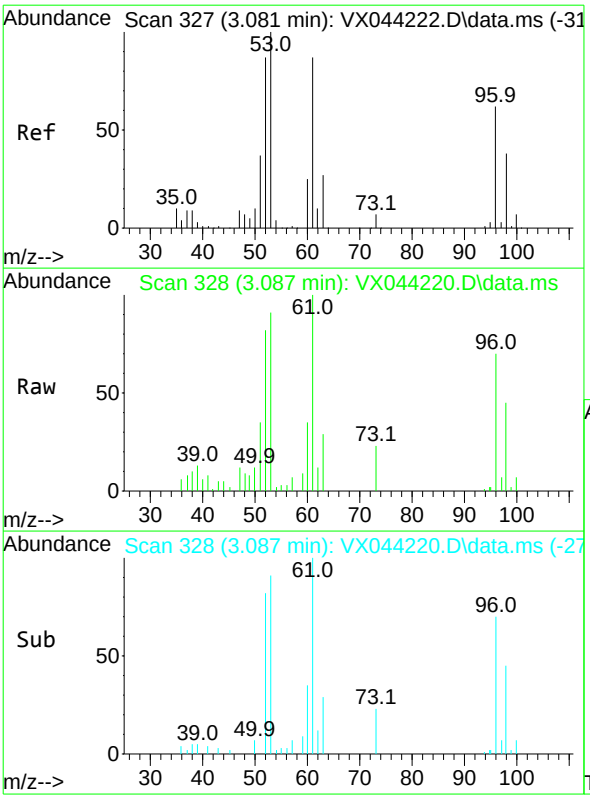


#20
Methylene Chloride
Concen: 5.050 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 84 Resp: 9466

Ion	Ratio	Lower	Upper
84	100		
49	116.2	104.2	156.4
51	40.4	32.2	48.4
86	62.3	50.9	76.3





#21
trans-1,2-Dichloroethene
Concen: 4.671 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 96 Resp: 7768

Ion	Ratio	Lower	Upper
96	100		
61	142.9	112.0	168.0
98	64.4	48.8	73.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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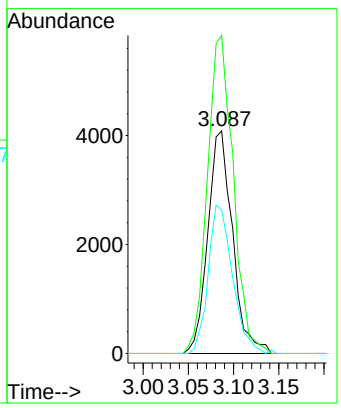
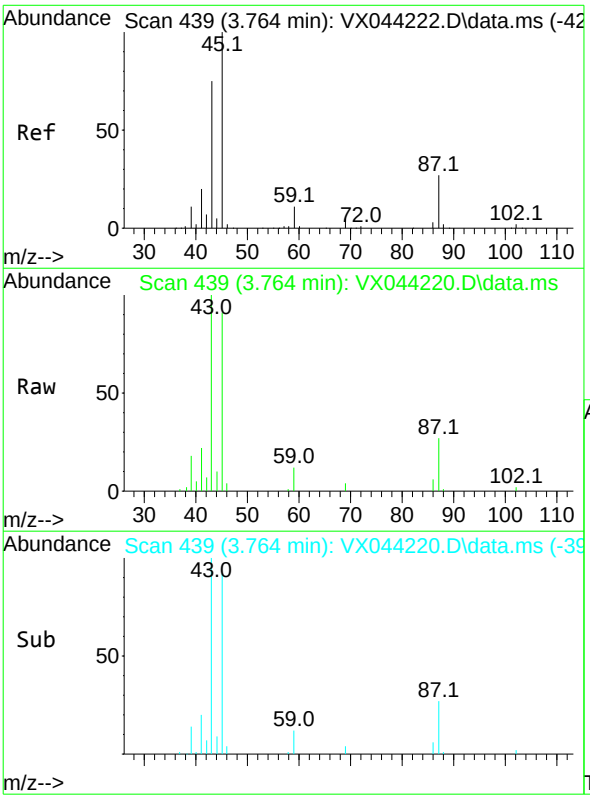
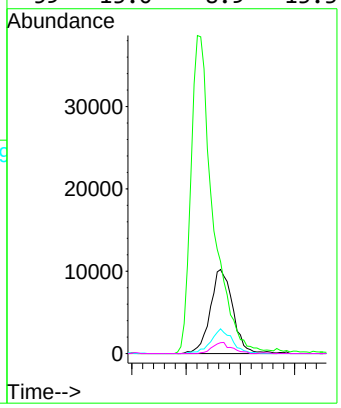


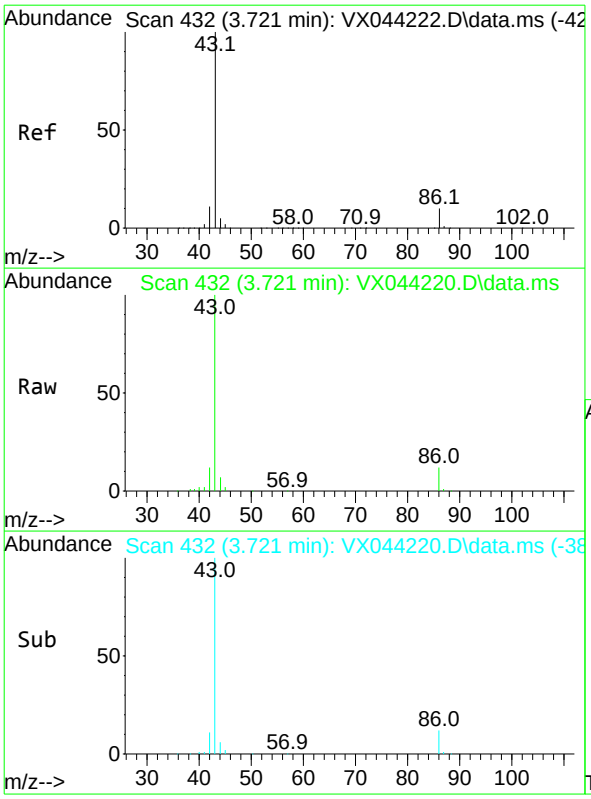


#22
Diisopropyl ether
Concen: 5.029 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 45 Resp: 29518

Ion	Ratio	Lower	Upper
45	100		
43	107.7	60.2	90.2#
87	29.5	21.2	31.8
59	13.0	8.9	13.3





#23
Vinyl Acetate
Concen: 22.983 ug/l
RT: 3.721 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 43 Resp: 109670

Ion	Ratio	Lower	Upper
43	100		
86	11.7	8.2	12.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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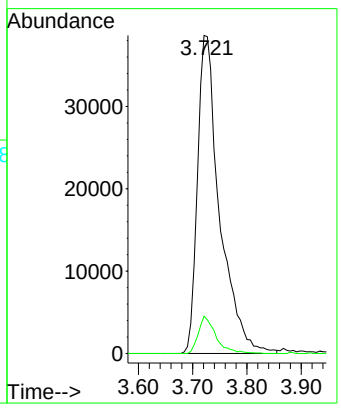
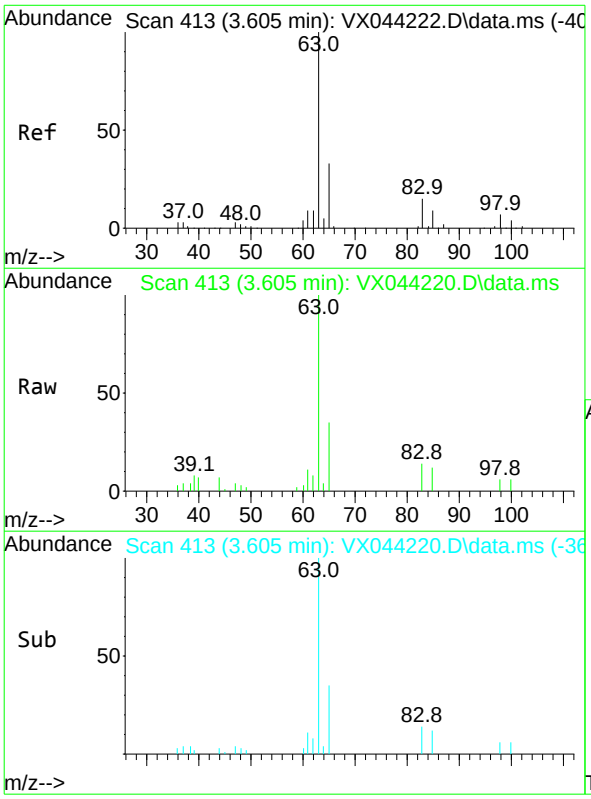
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

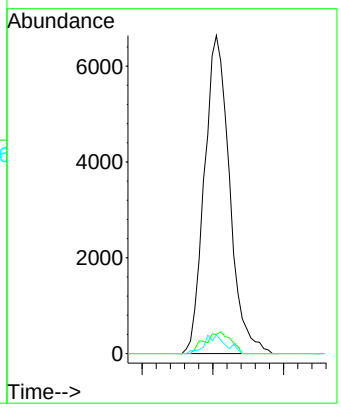


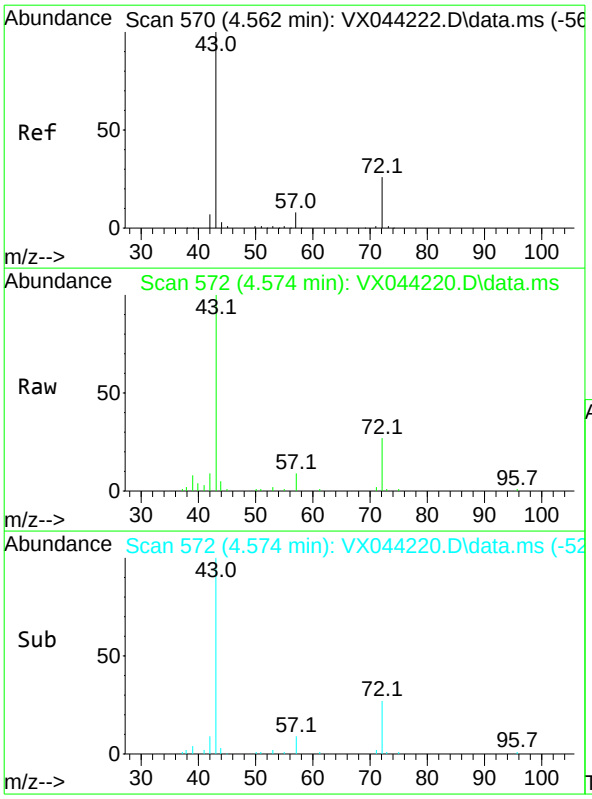


#24
1,1-Dichloroethane
Concen: 5.004 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 63 Resp: 16370

Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.6	10.8
100	5.9	2.1	6.3





#25
2-Butanone
Concen: 24.138 ug/l
RT: 4.574 min Scan# 57
Delta R.T. 0.012 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 43 Resp: 34245

Ion	Ratio	Lower	Upper
43	100		
72	26.6	20.2	30.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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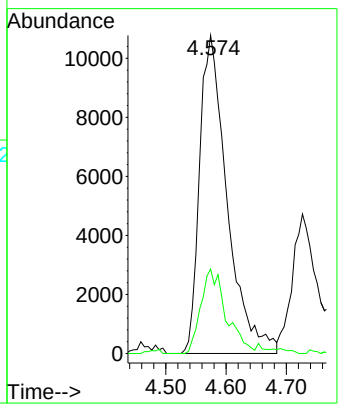
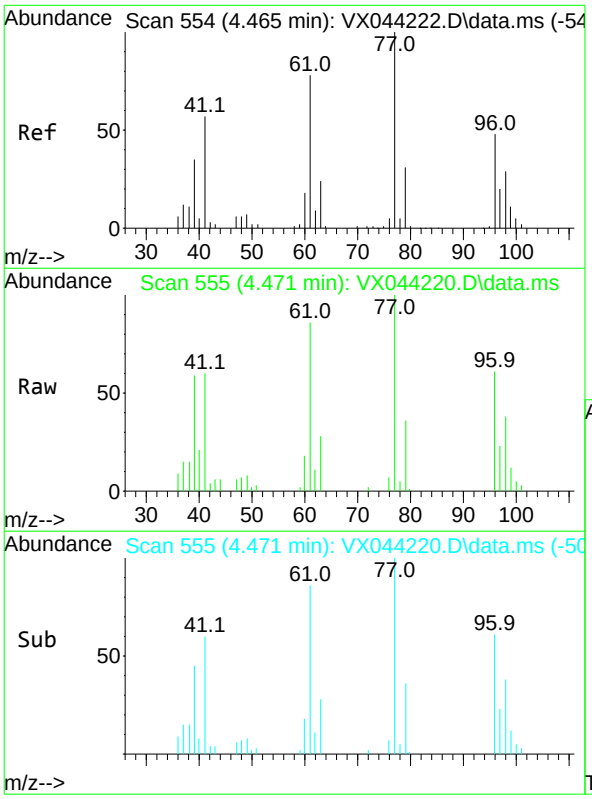
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

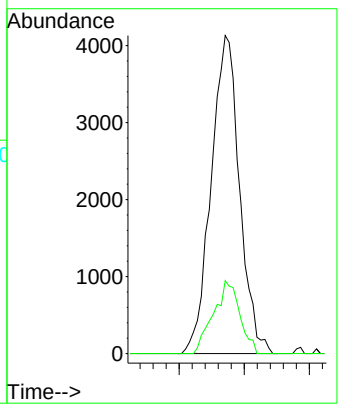


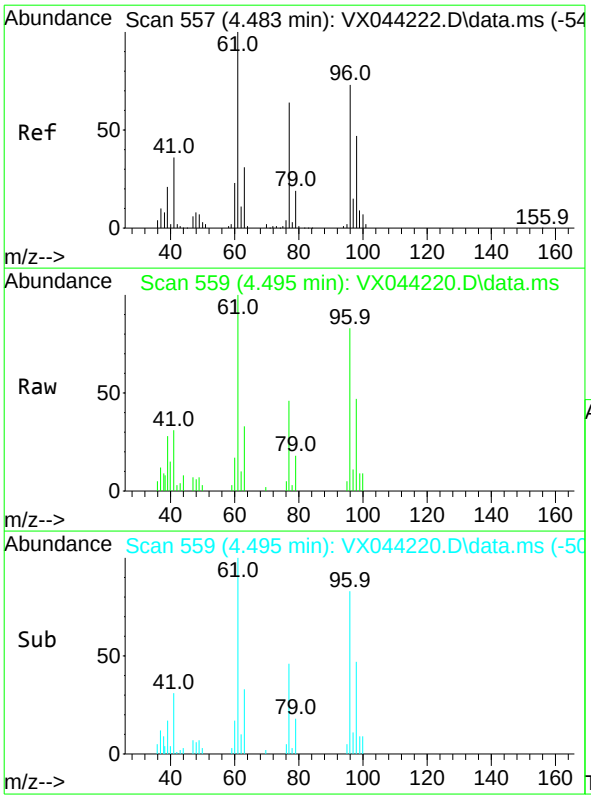


#26
2,2-Dichloropropane
Concen: 4.708 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 77 Resp: 12514

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 4.873 ug/l
RT: 4.495 min Scan# 55
Delta R.T. 0.012 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 96 Resp: 10292

Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	299.0
98	62.4	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 12/12/2024
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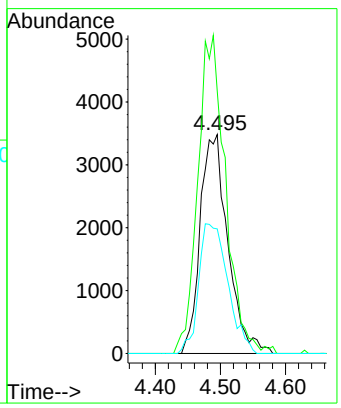
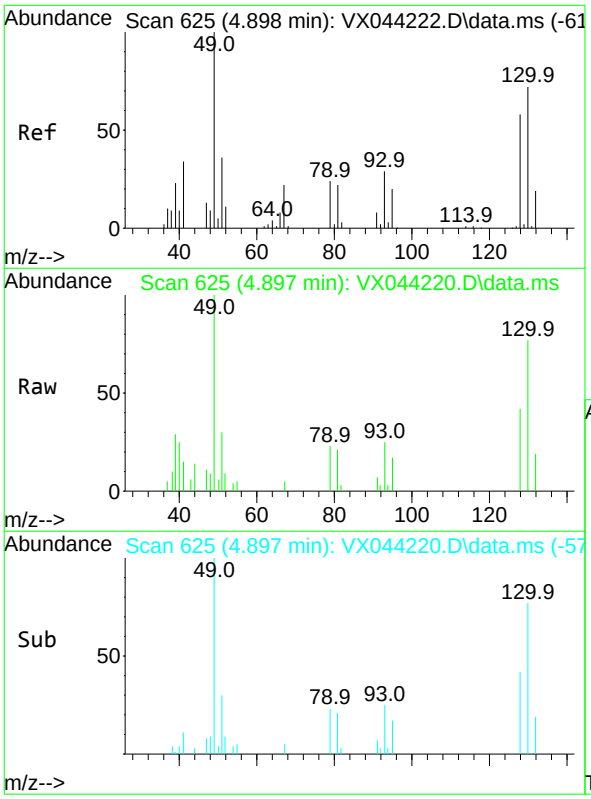
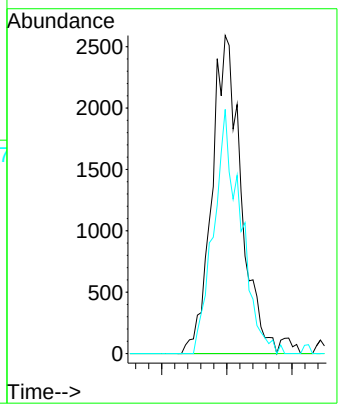


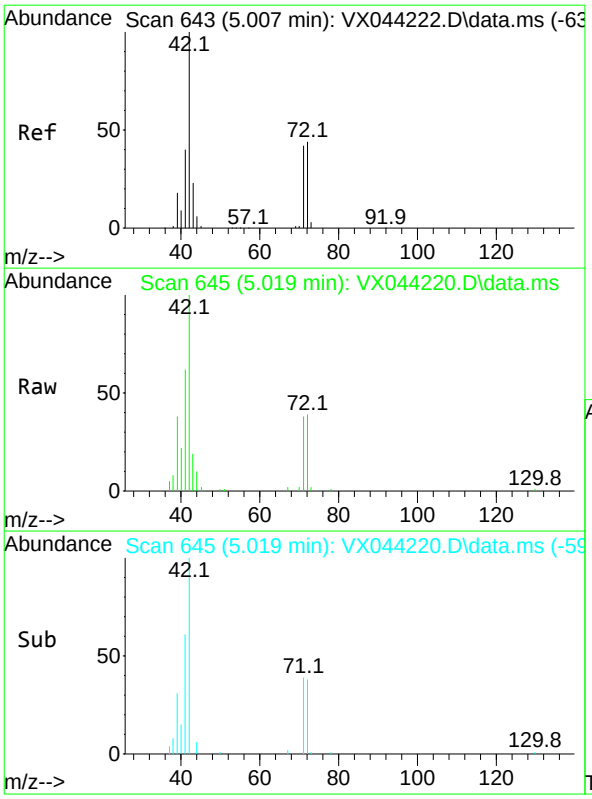


#28
Bromochloromethane
Concen: 5.017 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 49 Resp: 8049

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	71.2	62.1	93.1





#29
Tetrahydrofuran
Concen: 26.693 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 42 Resp: 24307

Ion	Ratio	Lower	Upper
42	100		
72	42.3	37.0	55.6
71	38.9	33.6	50.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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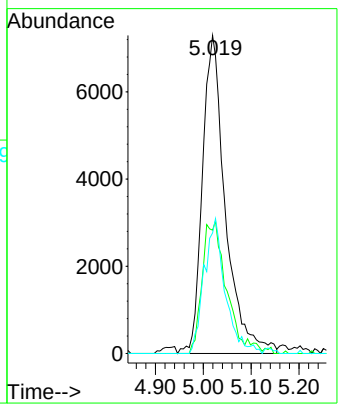
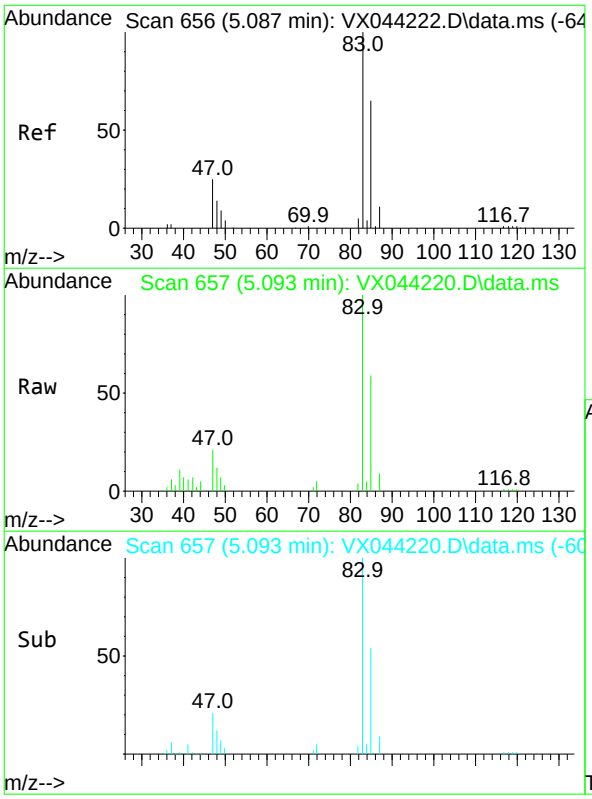
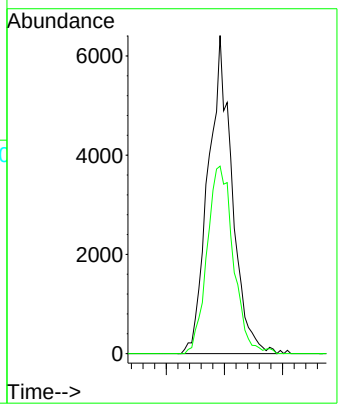


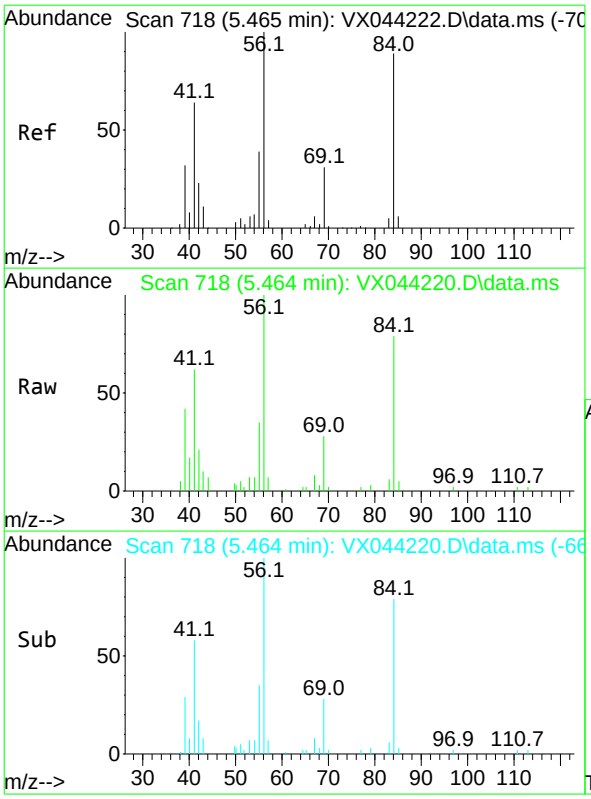


#30
Chloroform
Concen: 4.984 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 83 Resp: 18319

Ion	Ratio	Lower	Upper
83	100		
85	58.9	51.6	77.4





#31
Cyclohexane
Concen: 4.919 ug/l
RT: 5.464 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 56 Resp: 12995

Ion	Ratio	Lower	Upper
56	100		
69	26.4	24.7	37.1
84	77.9	71.0	106.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 12/12/2024
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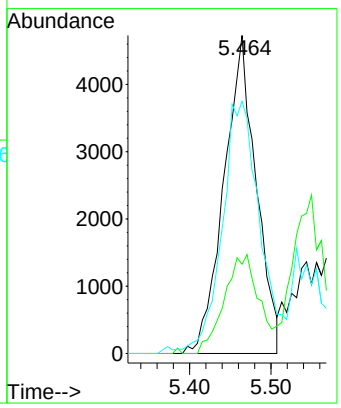
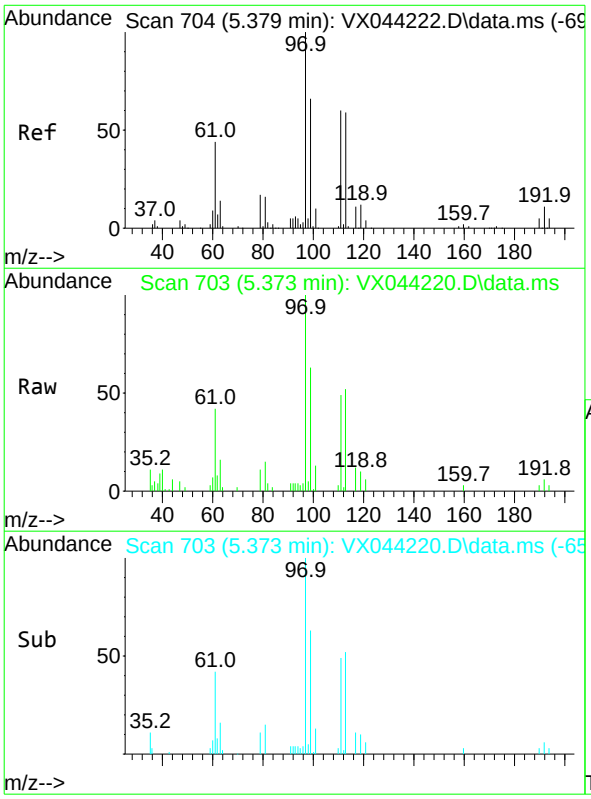
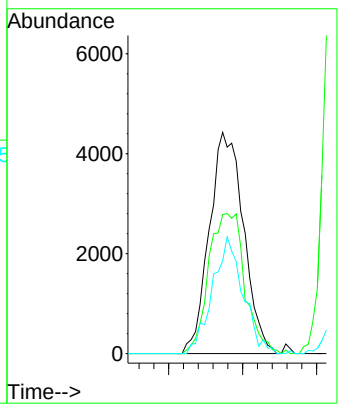


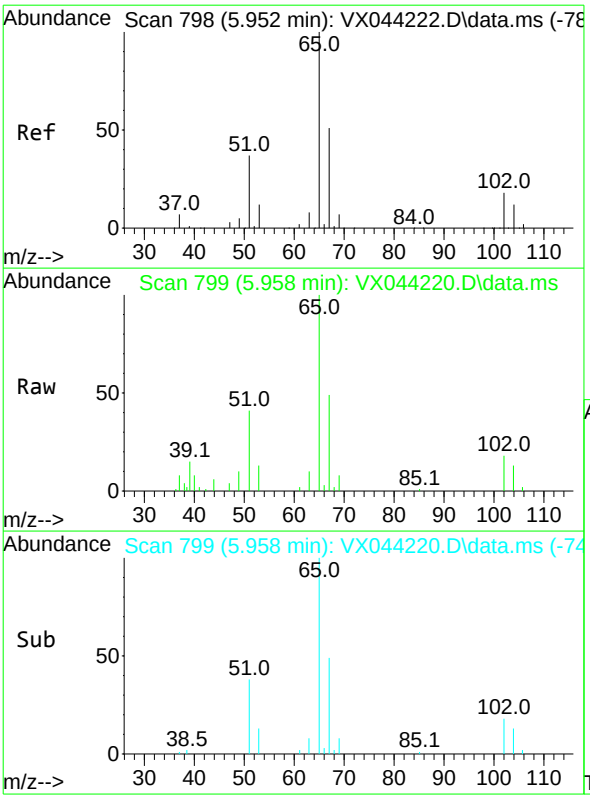


#32
1,1,1-Trichloroethane
Concen: 4.664 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 97 Resp: 14231

Ion	Ratio	Lower	Upper
97	100		
99	66.8	50.8	76.2
61	46.9	35.2	52.8





#33
1,2-Dichloroethane-d4
Concen: 5.328 ug/l
RT: 5.958 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 65 Resp: 13043

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	101.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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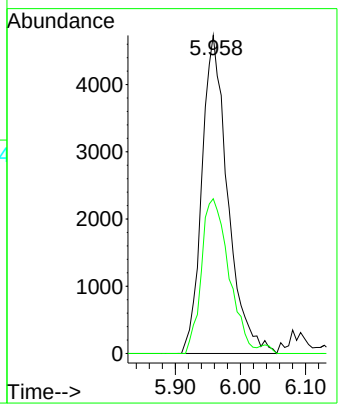
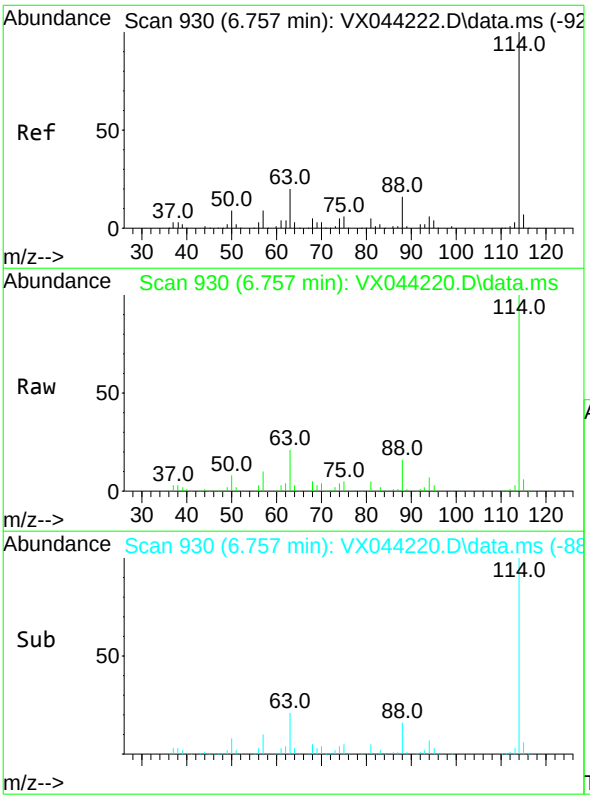
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

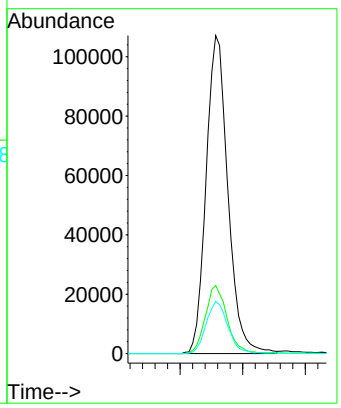


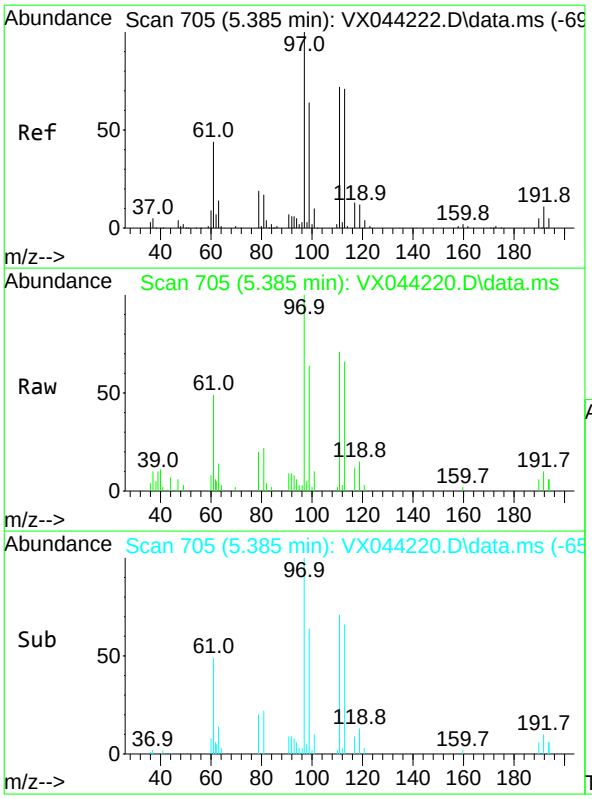


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:114 Resp: 258881

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	40.6
88	16.4	0.0	31.8





#35
Dibromofluoromethane
Concen: 5.100 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:113 Resp: 9145

Ion	Ratio	Lower	Upper
113	100		
111	104.7	80.4	120.6
192	14.2	13.3	19.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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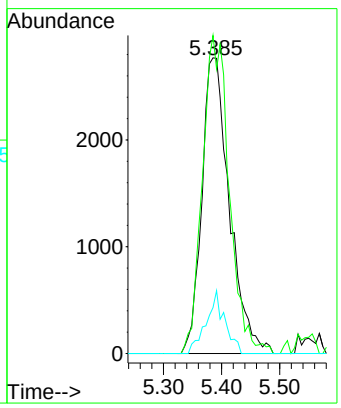
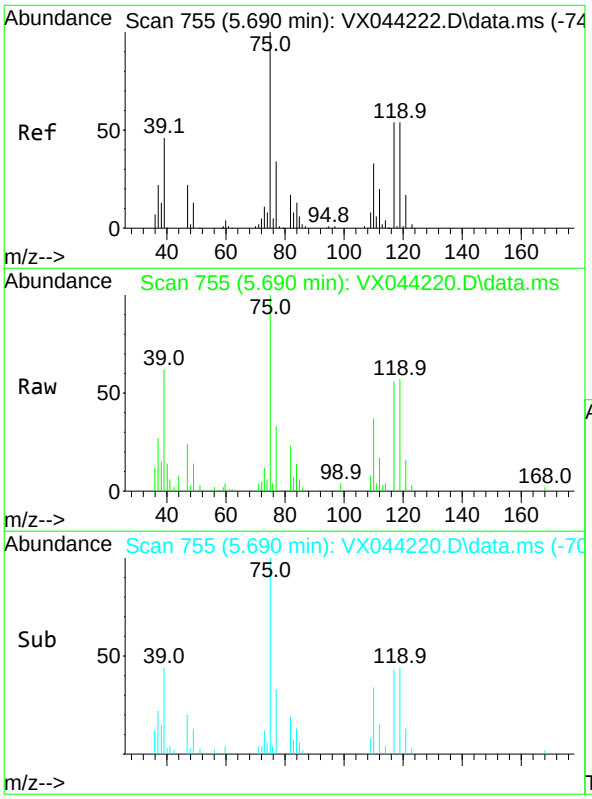
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

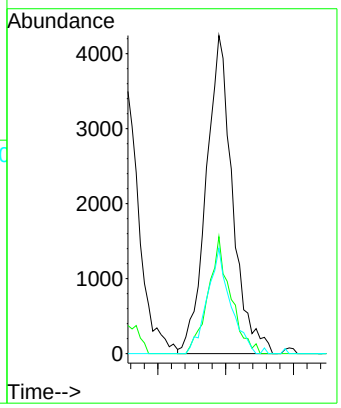


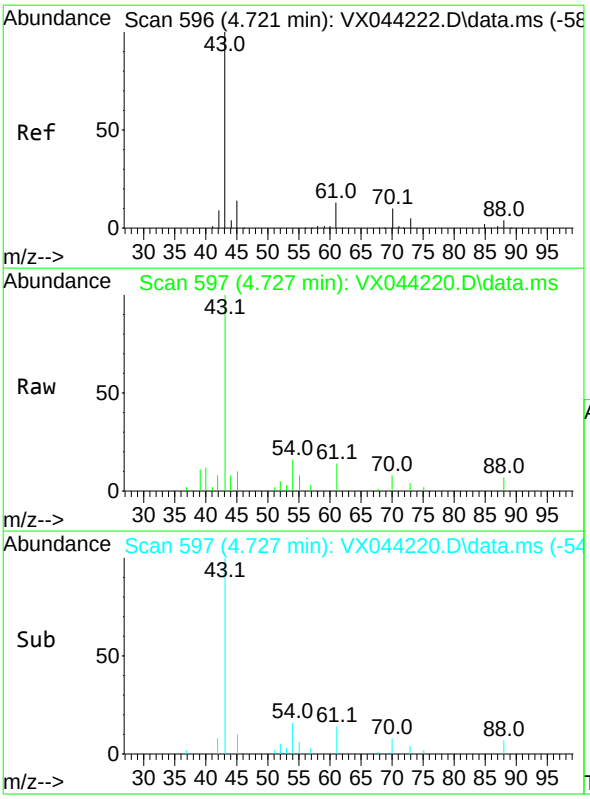


#36
1,1-Dichloropropene
Concen: 4.942 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 75 Resp: 11455

Ion	Ratio	Lower	Upper
75	100		
110	31.1	17.3	51.7
77	28.7	25.4	38.0





#37
Ethyl Acetate
Concen: 4.630 ug/l
RT: 4.727 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 43 Resp: 13265

Ion	Ratio	Lower	Upper
43	100		
61	13.6	9.8	14.8
70	9.1	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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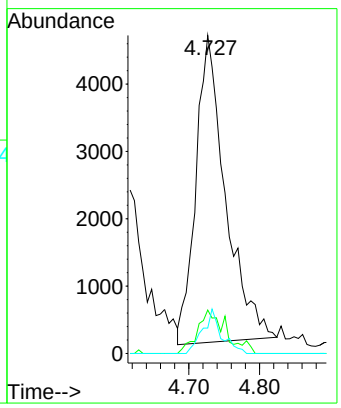
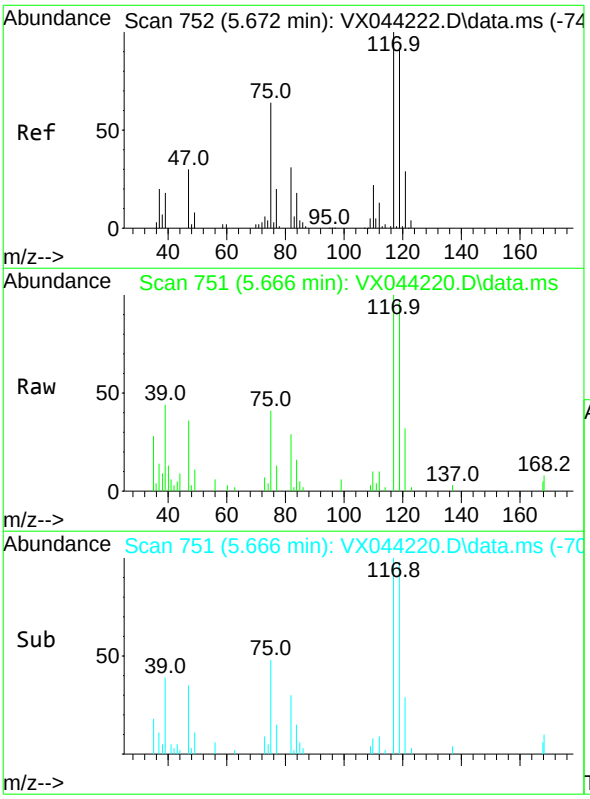
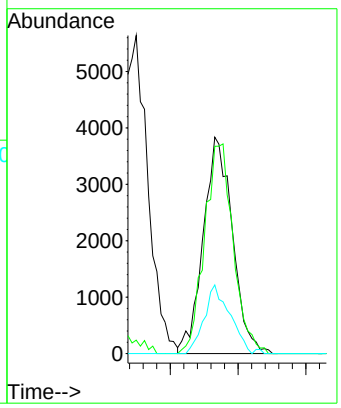


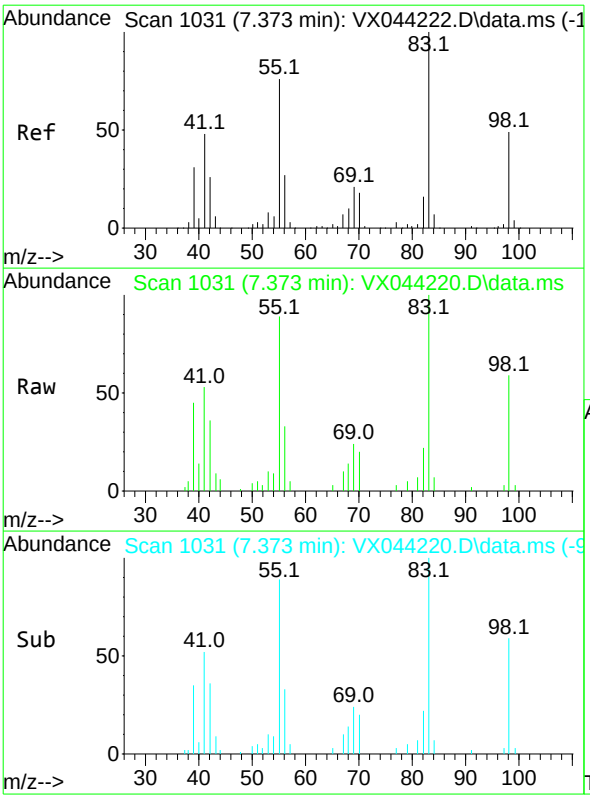


#38
Carbon Tetrachloride
Concen: 4.599 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:117 Resp: 11476

Ion	Ratio	Lower	Upper
117	100		
119	95.8	74.2	111.4
121	31.7	23.0	34.6





#39
Methylcyclohexane
Concen: 4.699 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 83 Resp: 13019

Ion	Ratio	Lower	Upper
83	100		
55	88.8	60.7	91.1
98	59.0	38.9	58.3#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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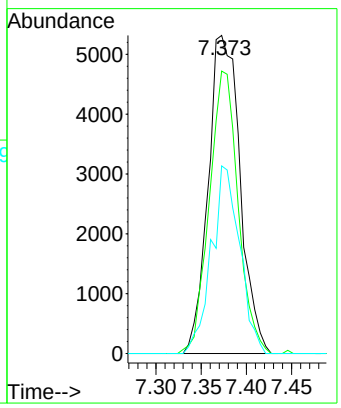
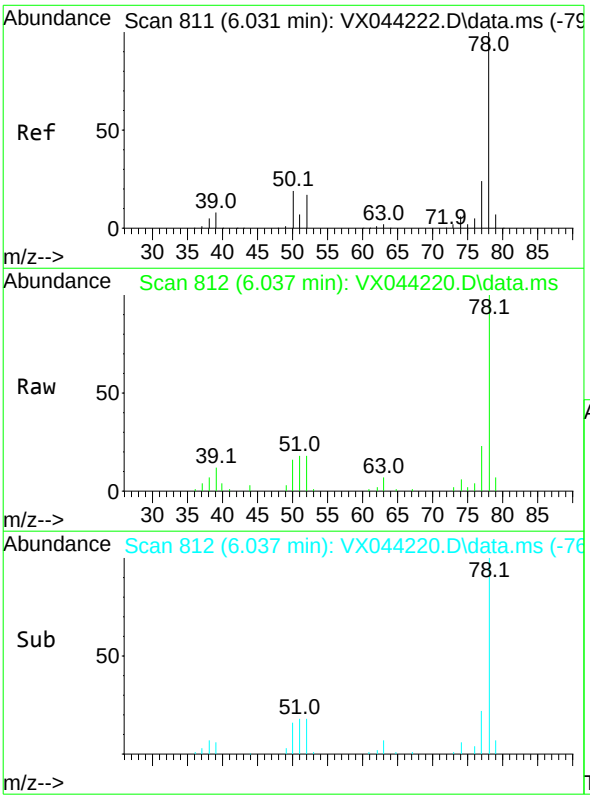
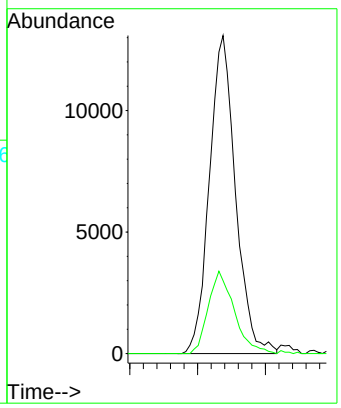


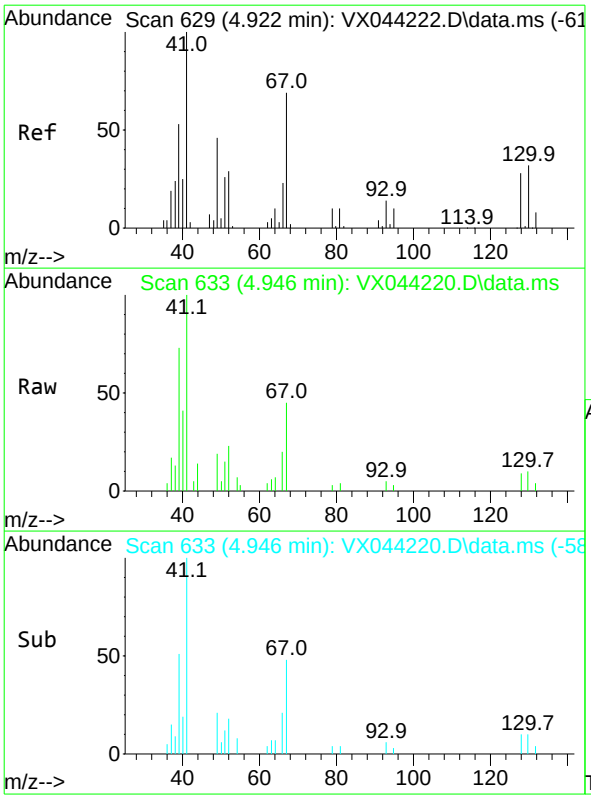


#40
Benzene
Concen: 4.976 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 78 Resp: 35018

Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.3	28.9

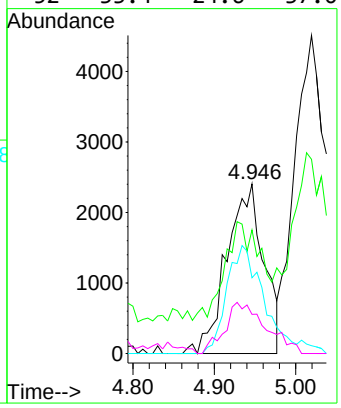




#41
Methacrylonitrile
Concen: 4.986 ug/l
RT: 4.946 min Scan# 63
Delta R.T. 0.024 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 41 Resp: 7585

Ion	Ratio	Lower	Upper
41	100		
39	58.4	44.2	66.4
67	63.0	57.2	85.8
52	33.4	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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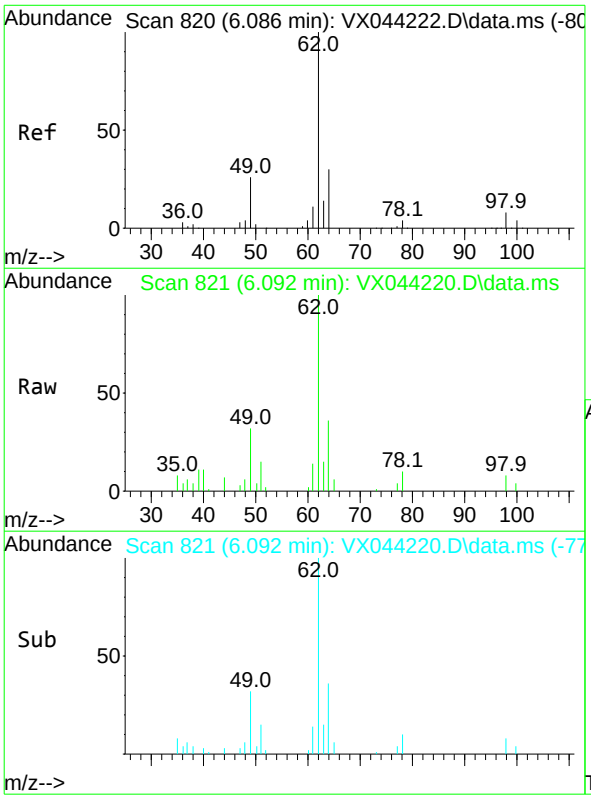
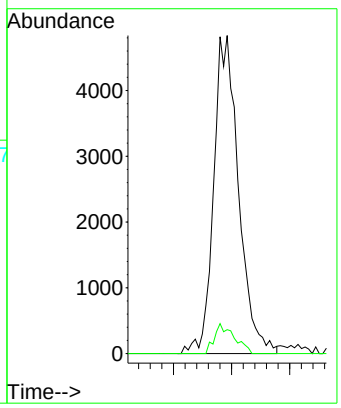
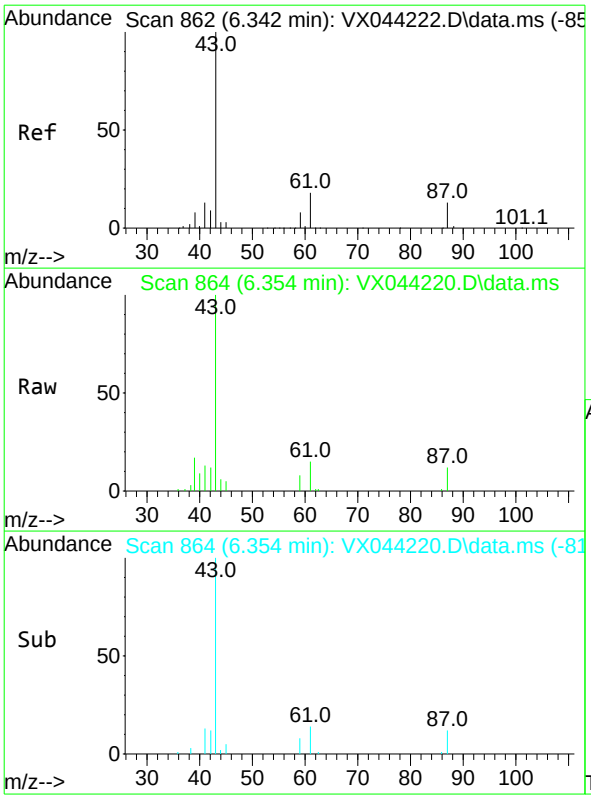


#42
1,2-Dichloroethane
Concen: 4.974 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 62 Resp: 14419

Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	15.8





#43
Isopropyl Acetate
Concen: 4.935 ug/l
RT: 6.354 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 43 Resp: 22098

Ion	Ratio	Lower	Upper
43	100		
61	16.5	14.2	21.2
87	11.9	10.2	15.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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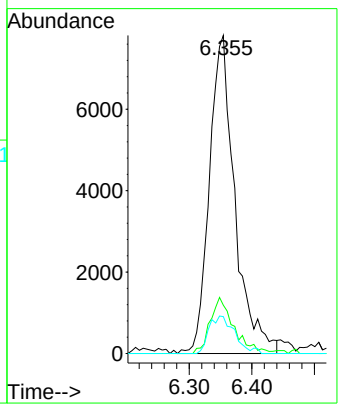
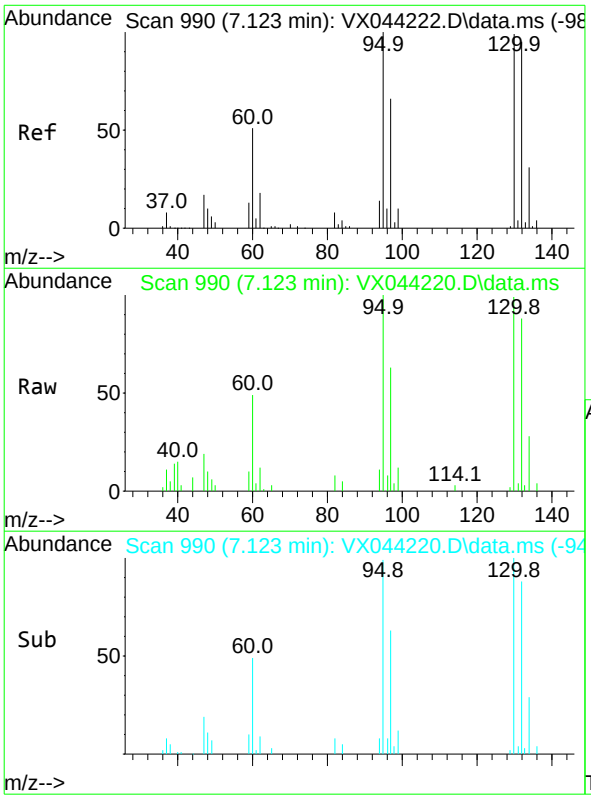
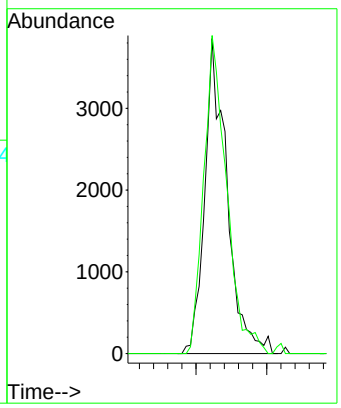


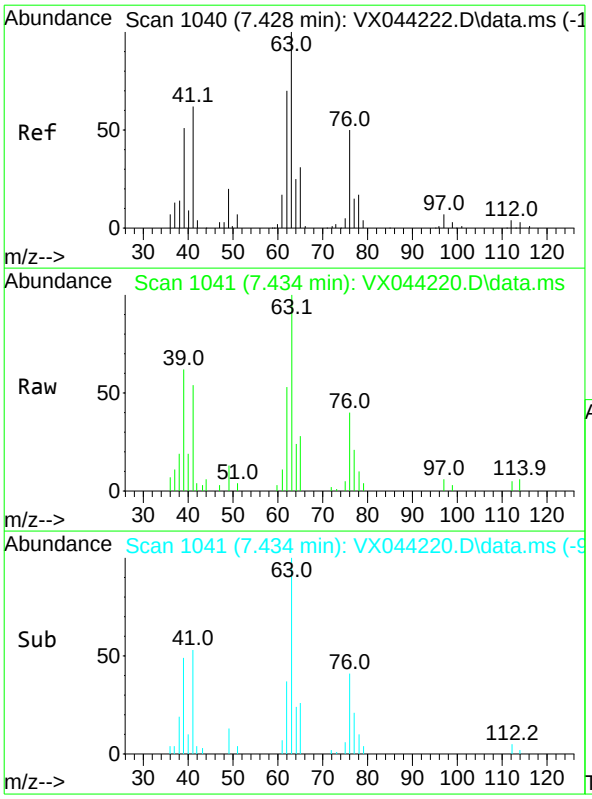


#44
Trichloroethene
Concen: 4.790 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:130 Resp: 8405

Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	201.4





#45
1,2-Dichloropropane
Concen: 4.968 ug/l
RT: 7.434 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 63 Resp: 8932

Ion	Ratio	Lower	Upper
63	100		
65	27.8	24.6	37.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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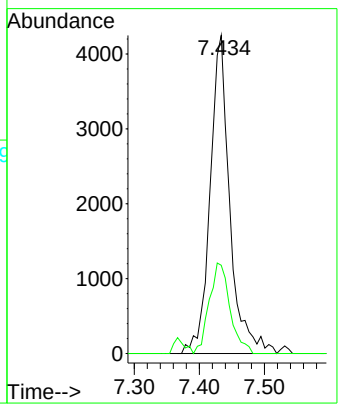
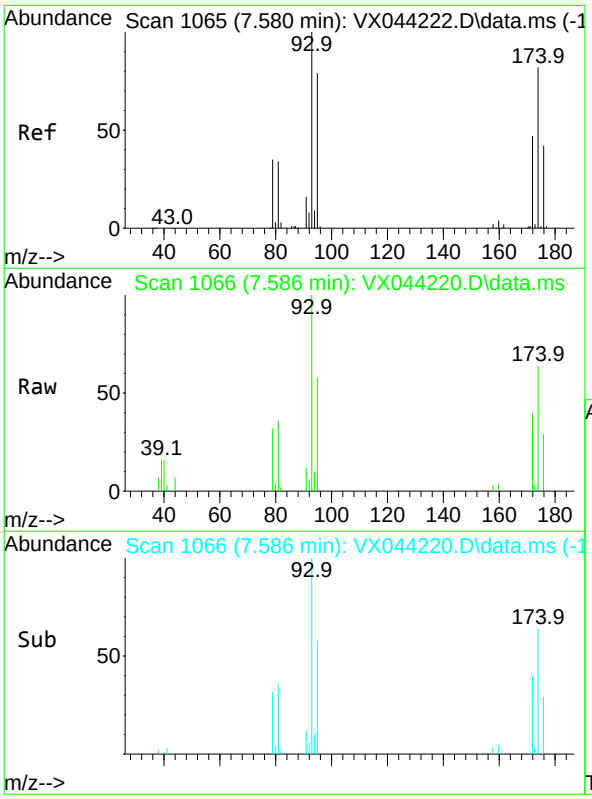
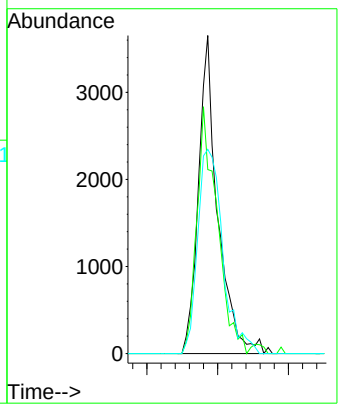


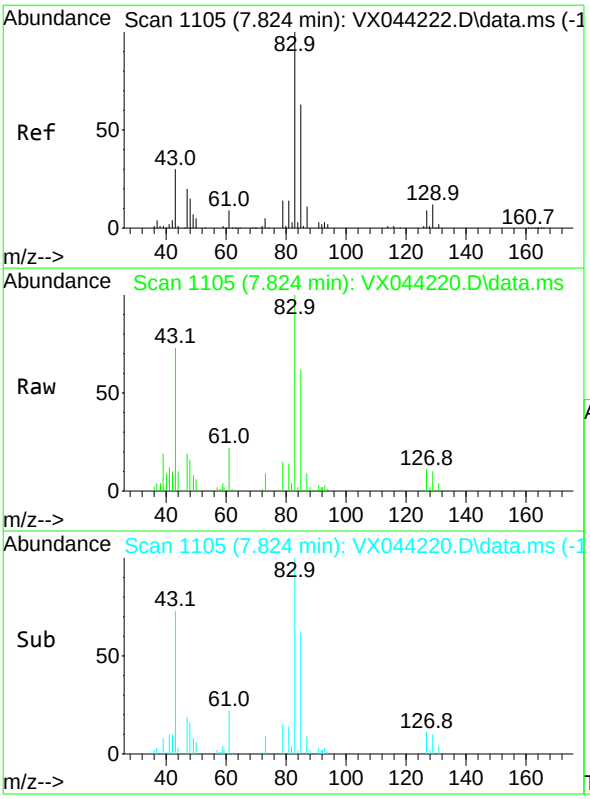


#46
Dibromomethane
Concen: 4.958 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 93 Resp: 6915

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.4	98.2
174	83.6	67.9	101.9





#47
Bromodichloromethane
Concen: 4.420 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 83 Resp: 10646

Ion	Ratio	Lower	Upper
83	100		
85	61.7	50.6	75.8
127	11.1	7.3	10.9#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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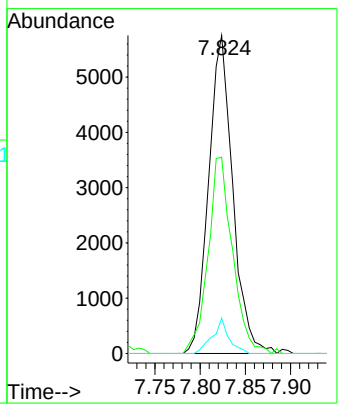
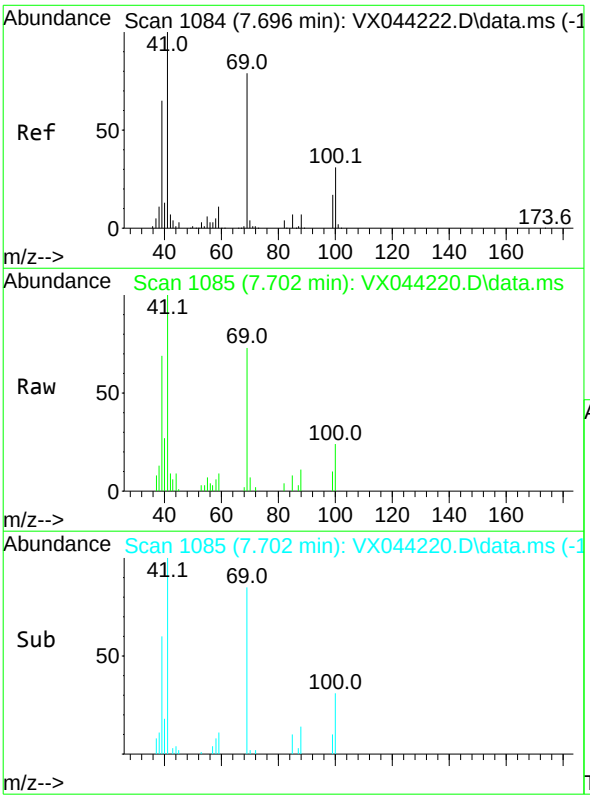
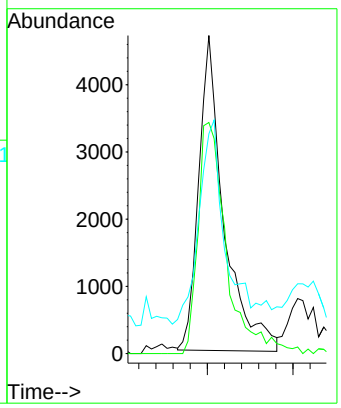


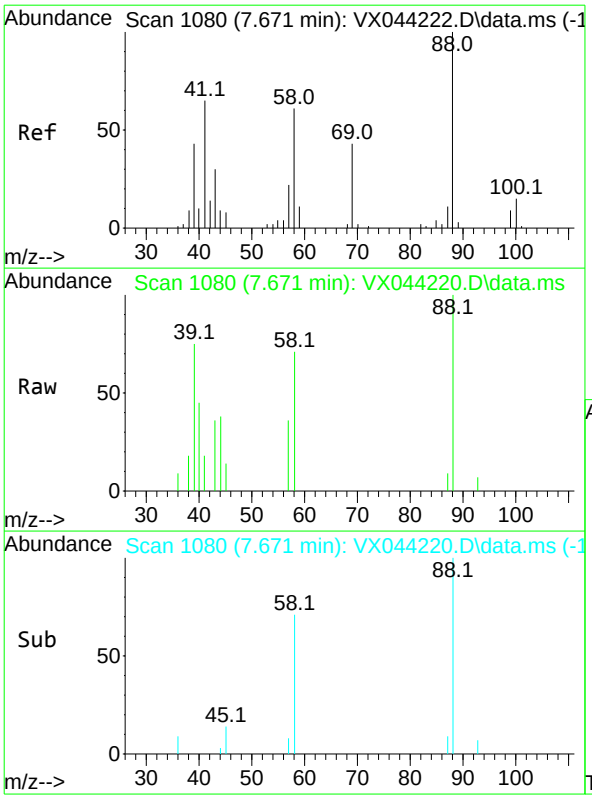


#48
Methyl methacrylate
Concen: 4.410 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 41 Resp: 9586

Ion	Ratio	Lower	Upper
41	100		
69	82.8	62.4	93.6
39	66.7	53.3	79.9





#49
1,4-Dioxane
Concen: 95.429 ug/l m
RT: 7.671 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 88 Resp: 3545

Ion	Ratio	Lower	Upper
88	100		
43	18.3	27.1	40.7#
58	48.3	41.0	61.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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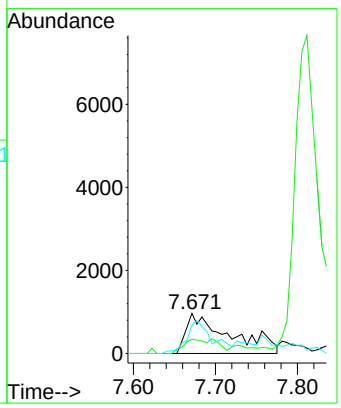
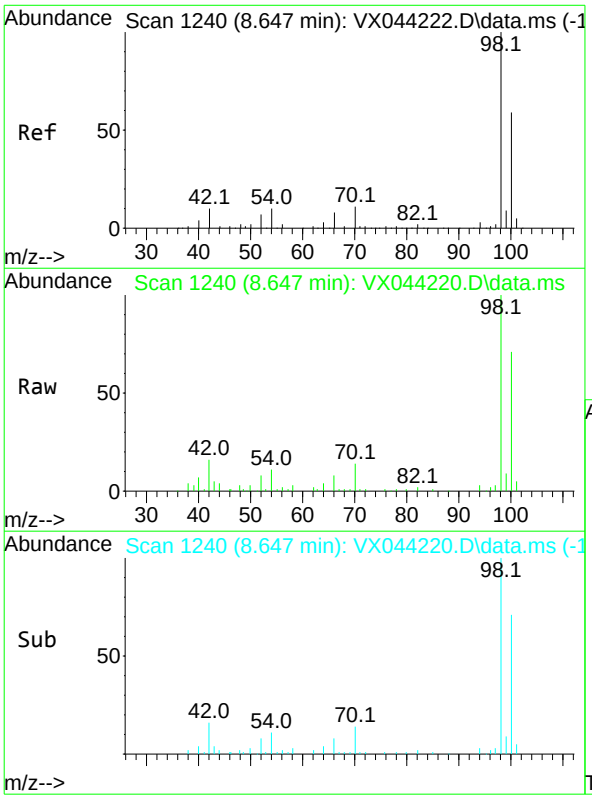
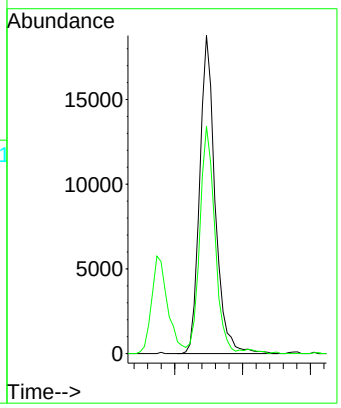


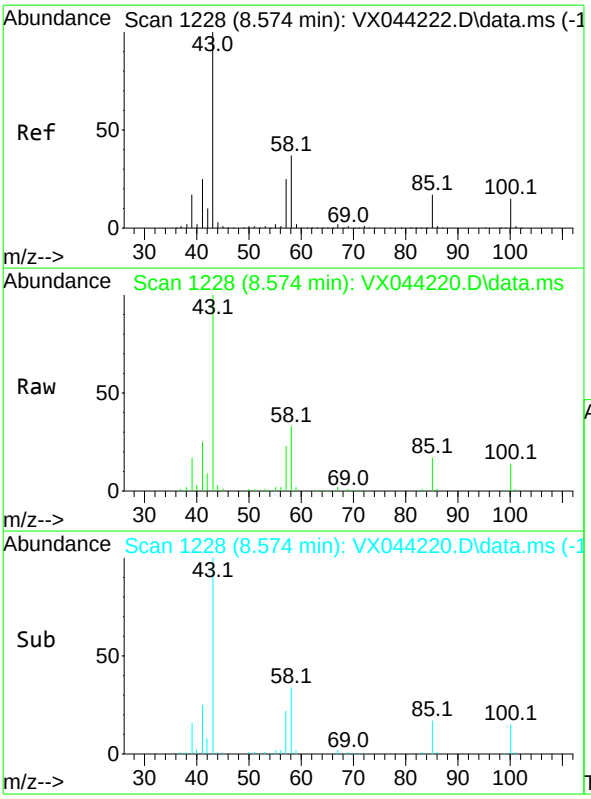


#50
Toluene-d8
Concen: 4.915 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 98 Resp: 29732

Ion	Ratio	Lower	Upper
98	100		
100	67.4	51.5	77.3





#51
4-Methyl-2-Pentanone
Concen: 24.759 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 43 Resp: 71285

Ion	Ratio	Lower	Upper
43	100		
58	35.7	29.4	44.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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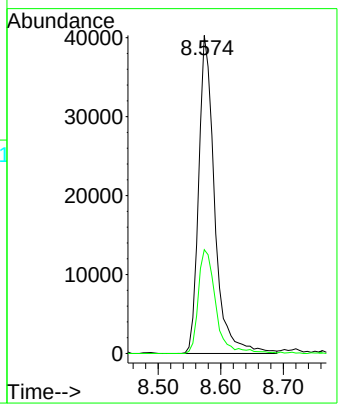
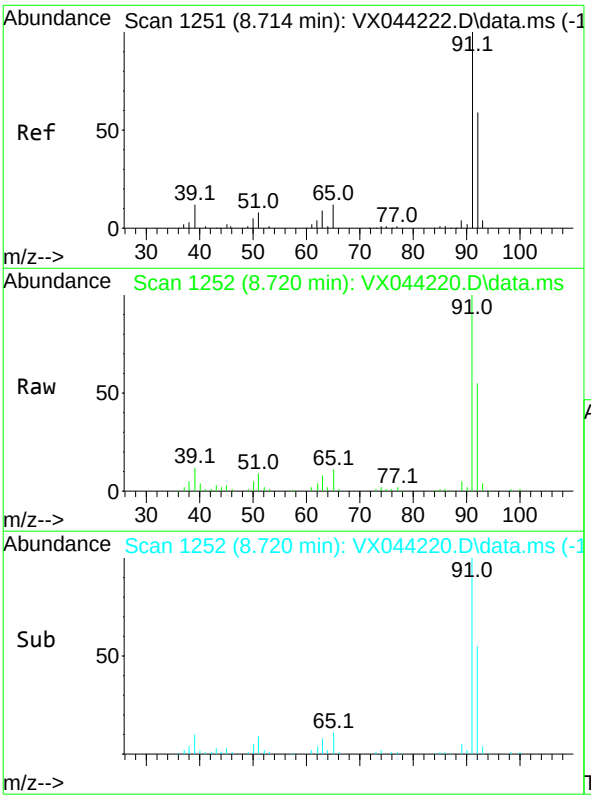
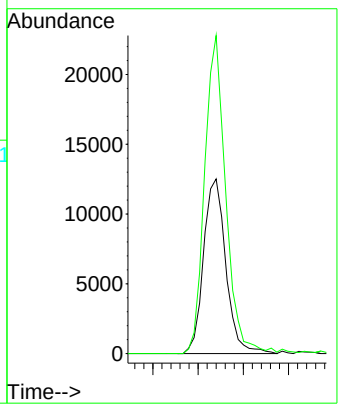


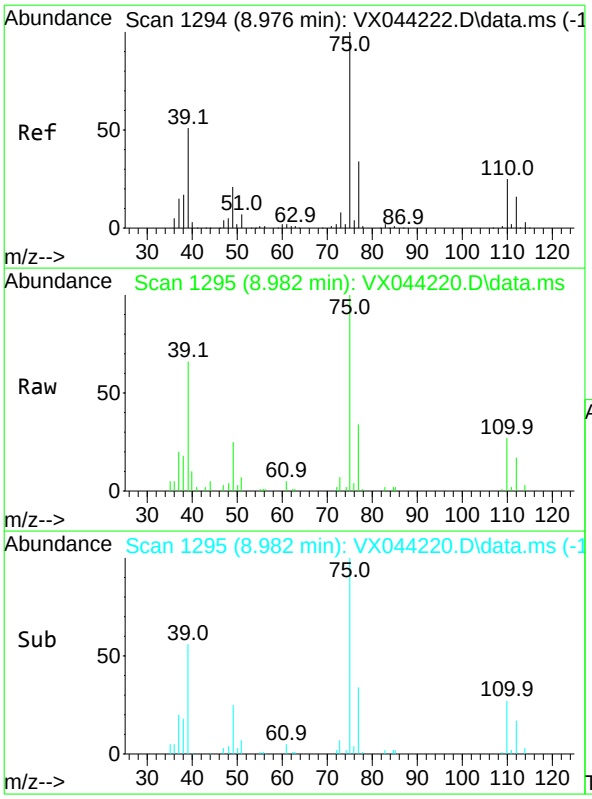


#52
Toluene
Concen: 4.862 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 92 Resp: 21486

Ion	Ratio	Lower	Upper
92	100		
91	173.0	137.0	205.6





#53
t-1,3-Dichloropropene
Concen: 4.665 ug/l
RT: 8.982 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 75 Resp: 9232

Ion	Ratio	Lower	Upper
75	100		
77	33.8	27.2	40.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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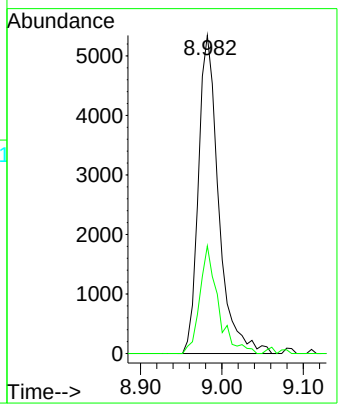
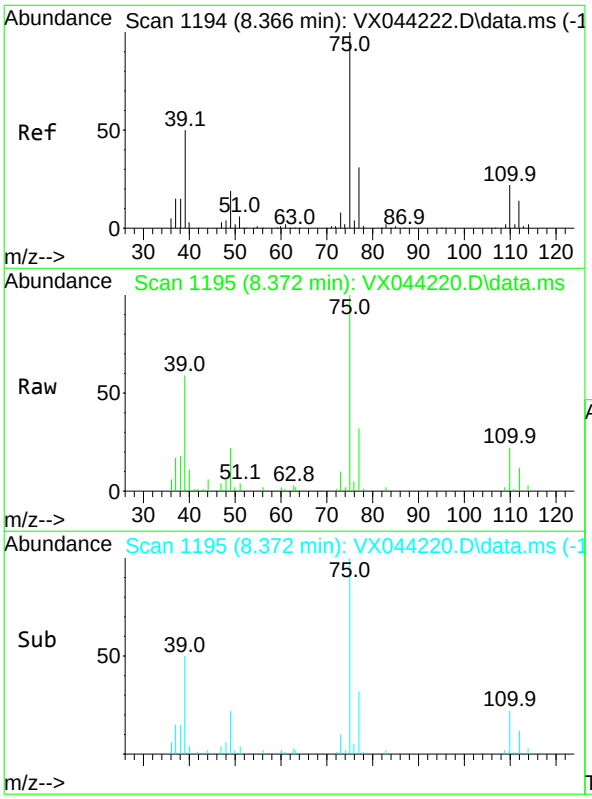
Supervised By :Mahesh Dadoda 12/12/2024

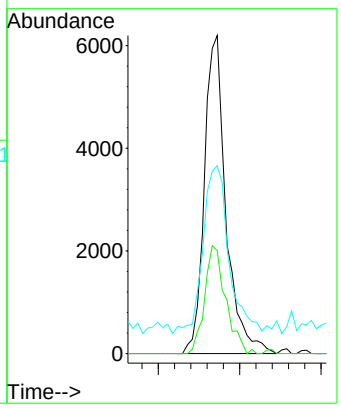


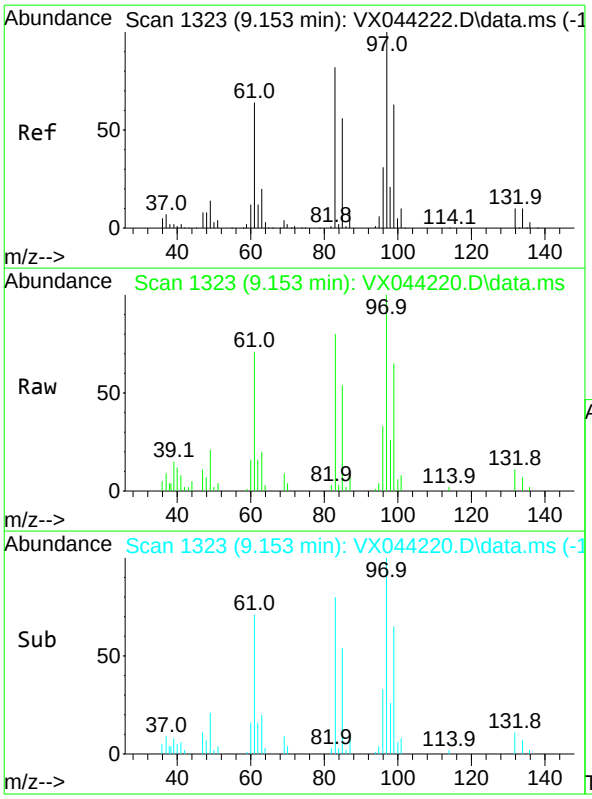


#54
cis-1,3-Dichloropropene
Concen: 4.348 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 75 Resp: 11404

Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.7	37.1
39	50.5	40.3	60.5





#55
1,1,2-Trichloroethane
Concen: 4.893 ug/l
RT: 9.153 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 97 Resp: 8590

Ion	Ratio	Lower	Upper
97	100		
83	80.2	65.3	97.9
85	53.6	44.6	67.0
99	65.3	50.2	75.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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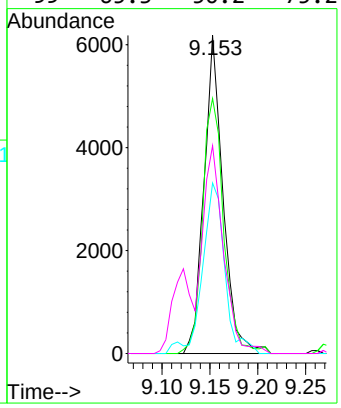
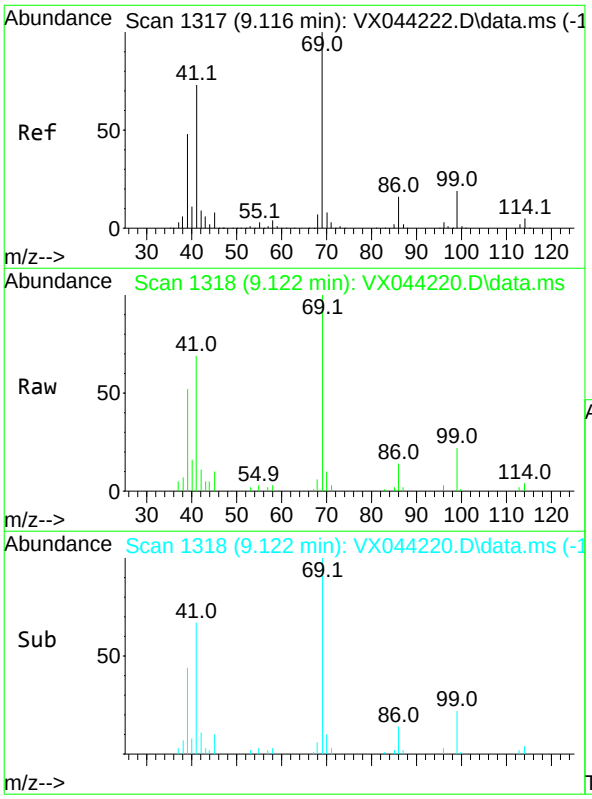
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

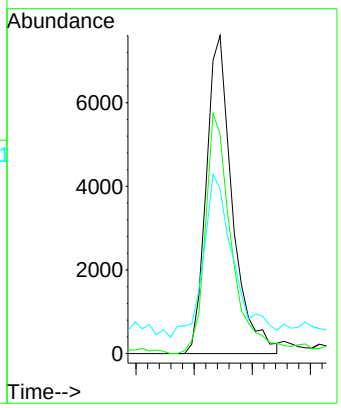


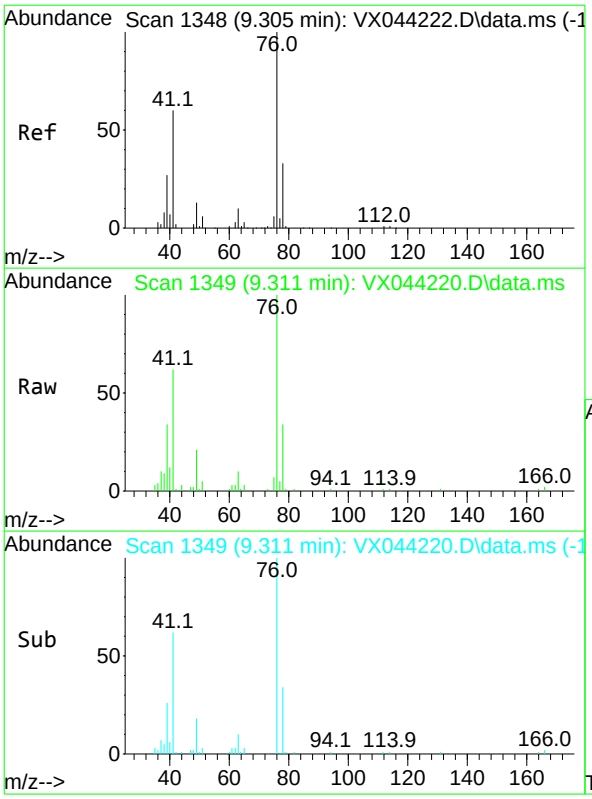


#56
Ethyl methacrylate
Concen: 4.277 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 69 Resp: 11854

Ion	Ratio	Lower	Upper
69	100		
41	76.0	56.6	85.0
39	58.7	37.4	56.0#





#57
1,3-Dichloropropane
Concen: 5.024 ug/l
RT: 9.311 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 76 Resp: 15352

Ion	Ratio	Lower	Upper
76	100		
78	33.3	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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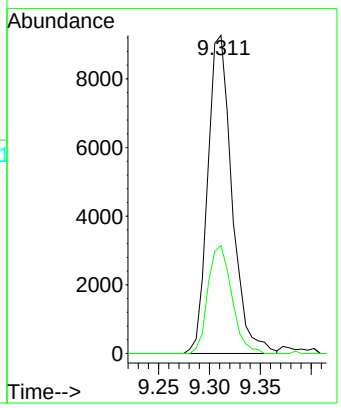
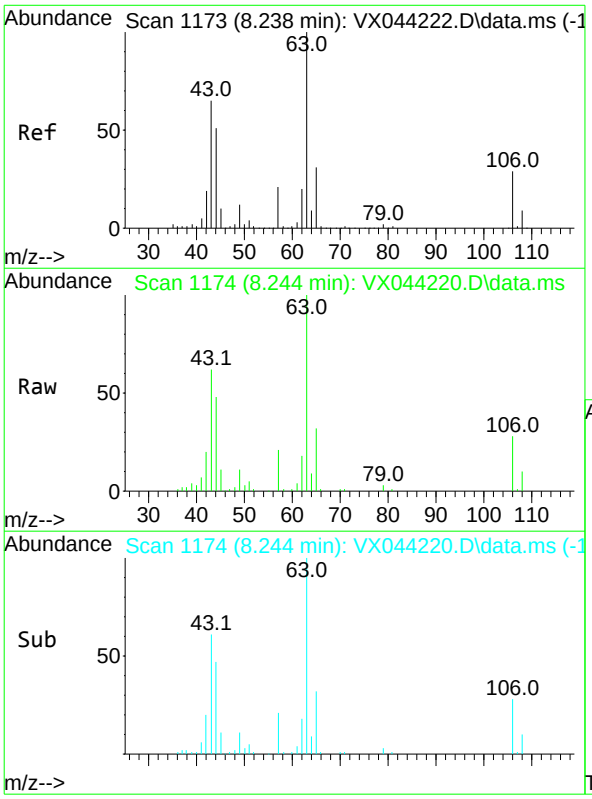
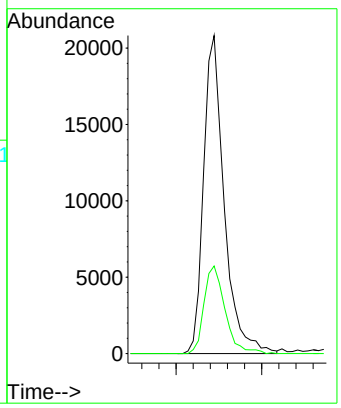


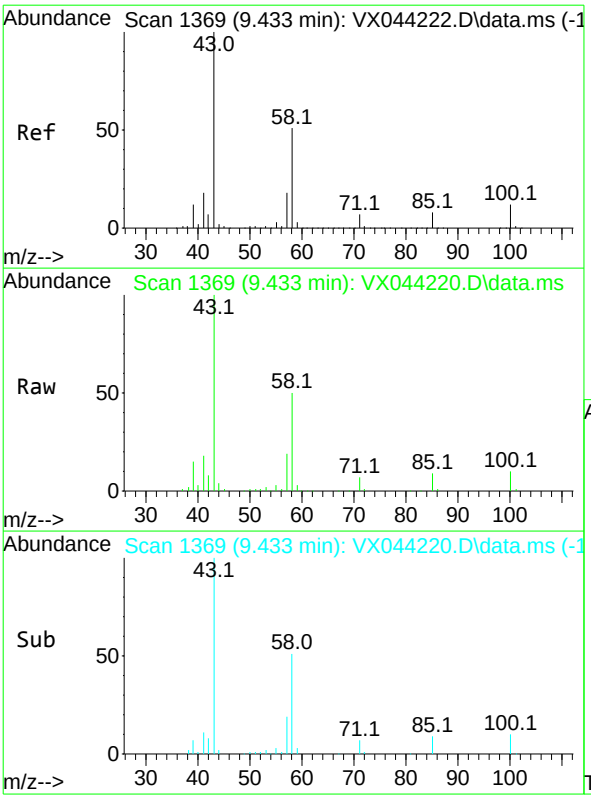


#58
2-Chloroethyl Vinyl ether
Concen: 24.852 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 63 Resp: 34738

Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.8	34.2





#59
2-Hexanone
Concen: 23.994 ug/l
RT: 9.433 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 43 Resp: 50003

Ion	Ratio	Lower	Upper
43	100		
58	48.6	25.7	77.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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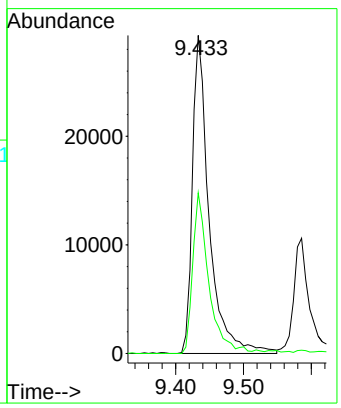
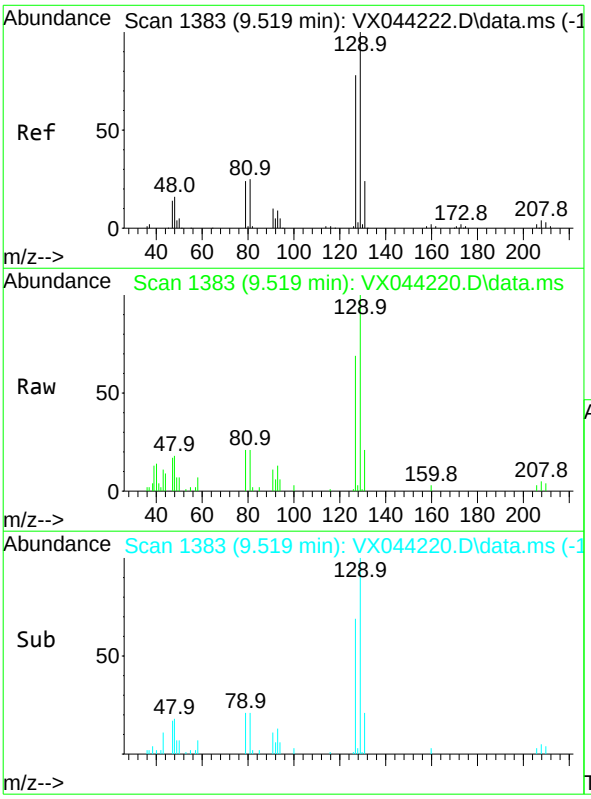
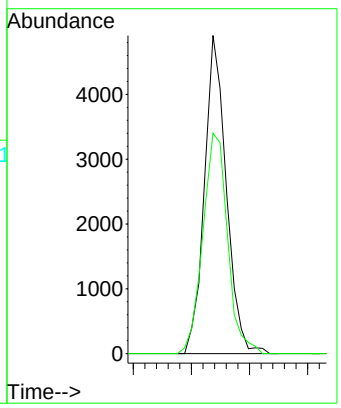


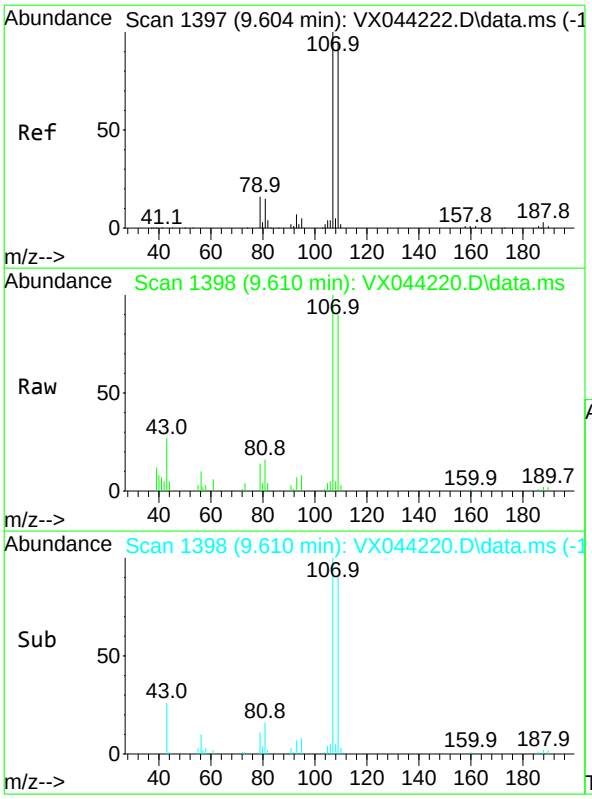


#60
Dibromochloromethane
Concen: 4.738 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:129 Resp: 6411

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.5	115.3





#61
1,2-Dibromoethane
Concen: 4.662 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:107 Resp: 8330

Ion	Ratio	Lower	Upper
107	100		
109	99.5	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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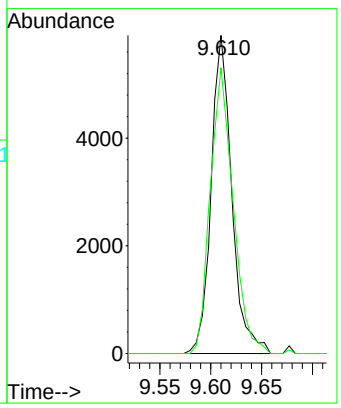
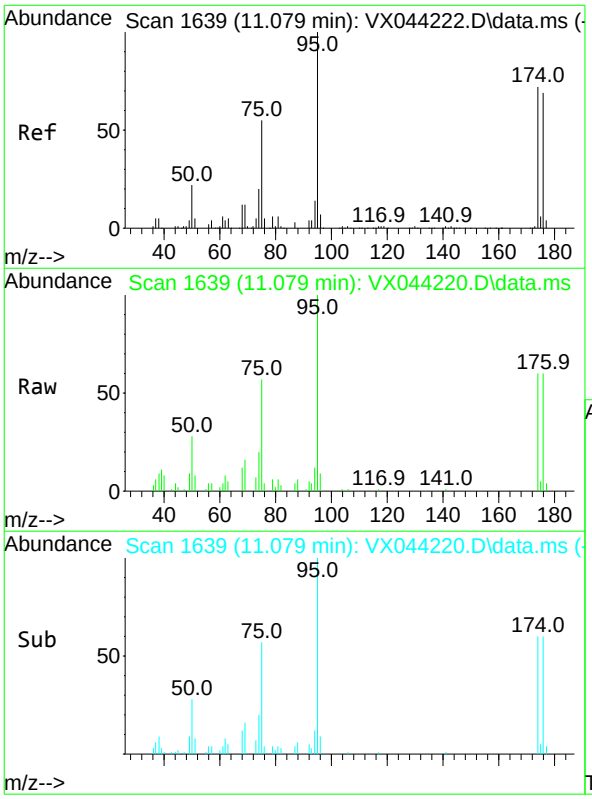
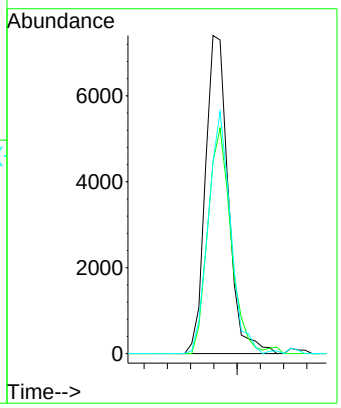


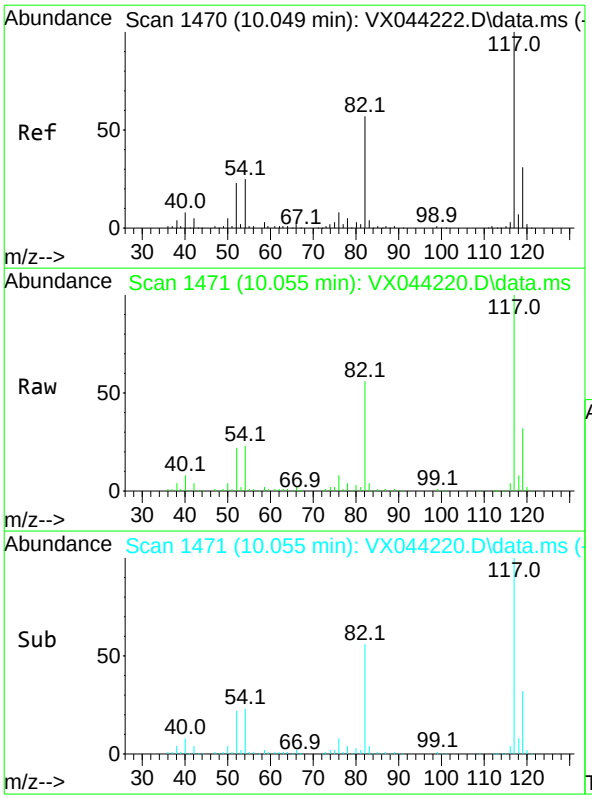


#62
4-Bromofluorobenzene
Concen: 4.779 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 95 Resp: 10101

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	145.8
176	74.4	0.0	137.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:117 Resp: 217783

Ion	Ratio	Lower	Upper
117	100		
82	55.8	45.8	68.8
119	31.9	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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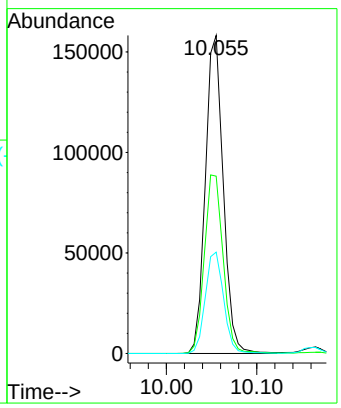
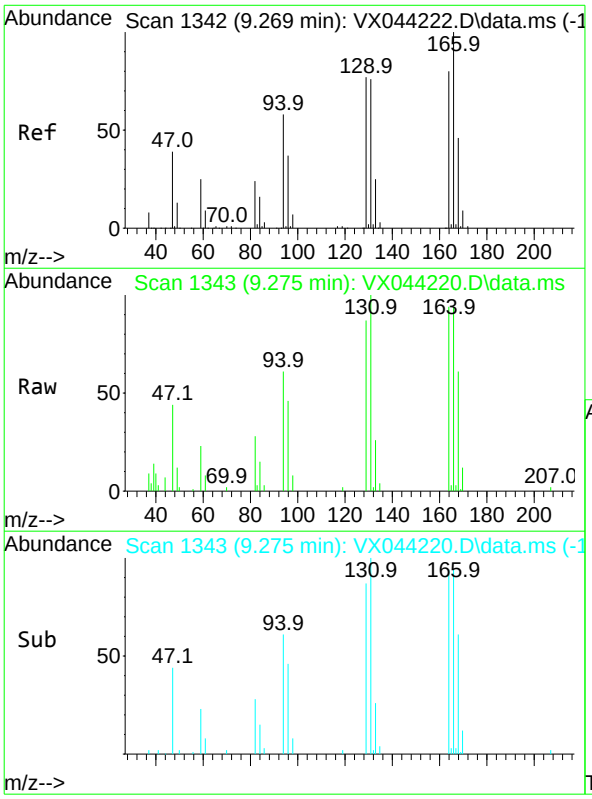
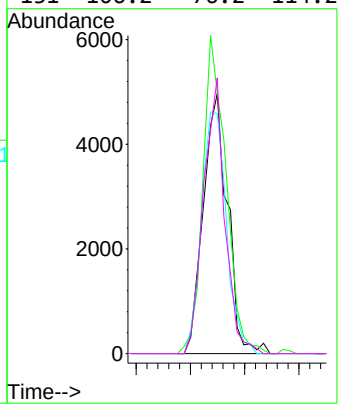


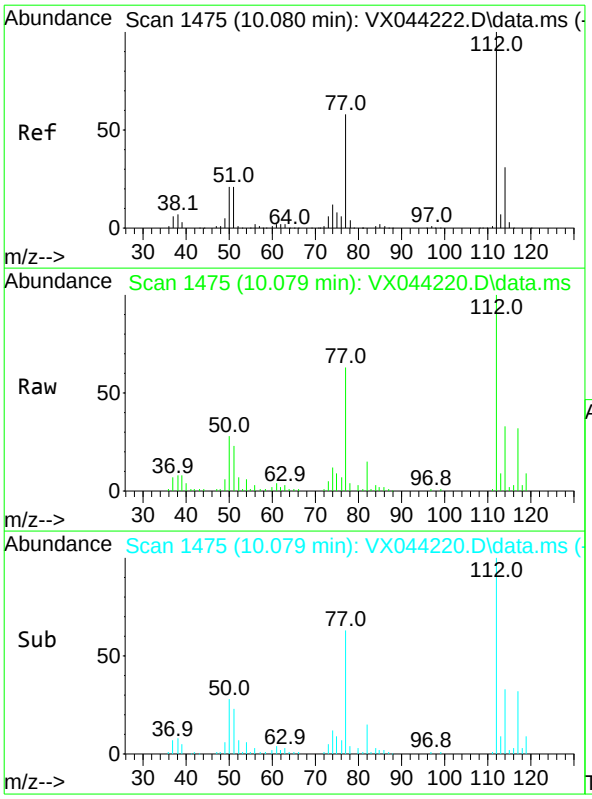


#64
Tetrachloroethene
Concen: 5.334 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:164 Resp: 7710

Ion	Ratio	Lower	Upper
164	100		
166	100.3	100.4	150.6#
129	92.5	77.2	115.8
131	106.2	76.2	114.2





#65
Chlorobenzene
Concen: 4.986 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:112 Resp: 23268

Ion	Ratio	Lower	Upper
112	100		
114	33.2	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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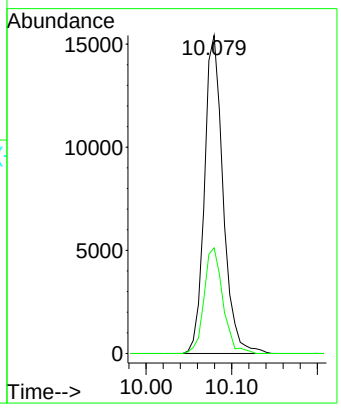
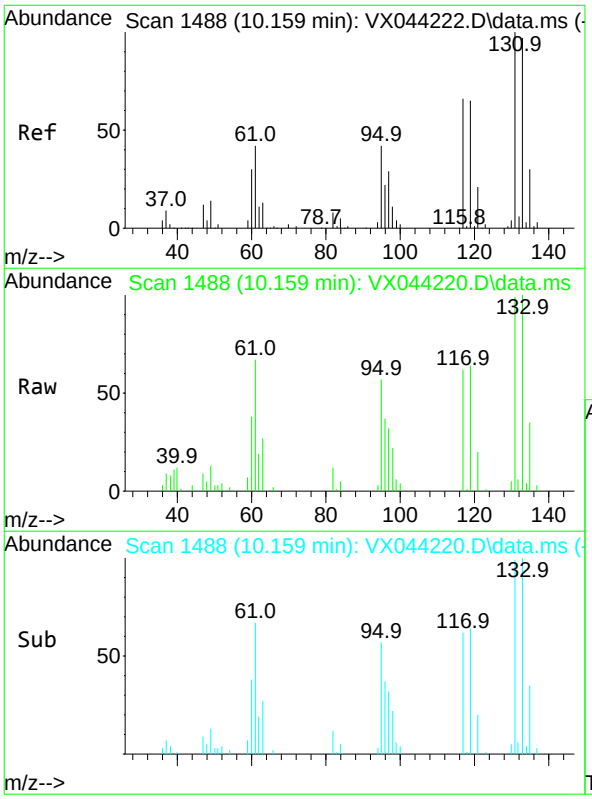
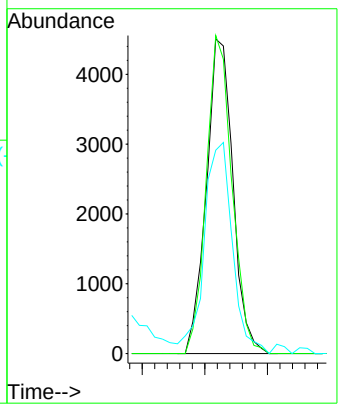


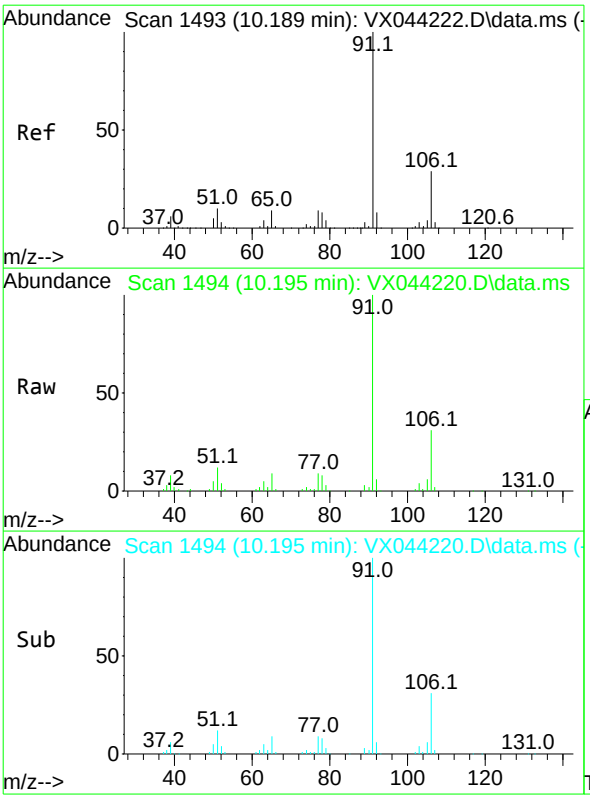


#66
1,1,1,2-Tetrachloroethane
Concen: 4.432 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:131 Resp: 6647

Ion	Ratio	Lower	Upper
131	100		
133	97.7	47.3	141.8
119	70.8	31.6	95.0





#67
Ethyl Benzene
Concen: 4.877 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 91 Resp: 39326

Ion	Ratio	Lower	Upper
91	100		
106	31.1	23.5	35.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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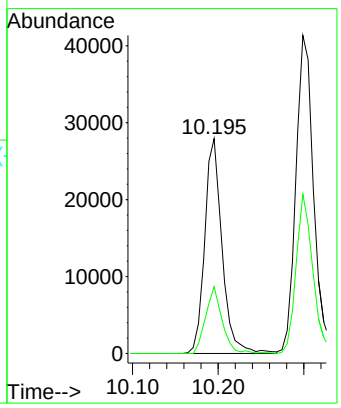
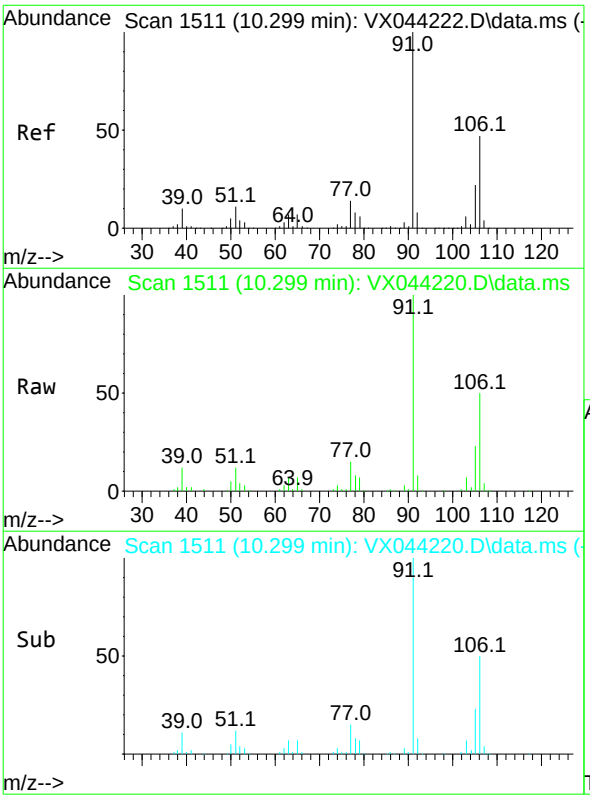
Supervised By :Mahesh Dadoda 12/12/2024

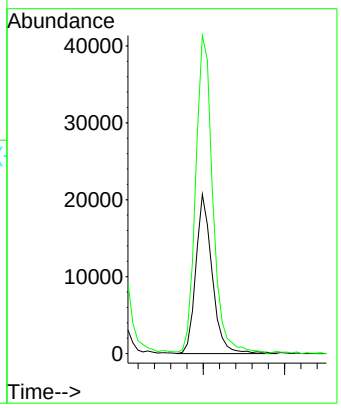


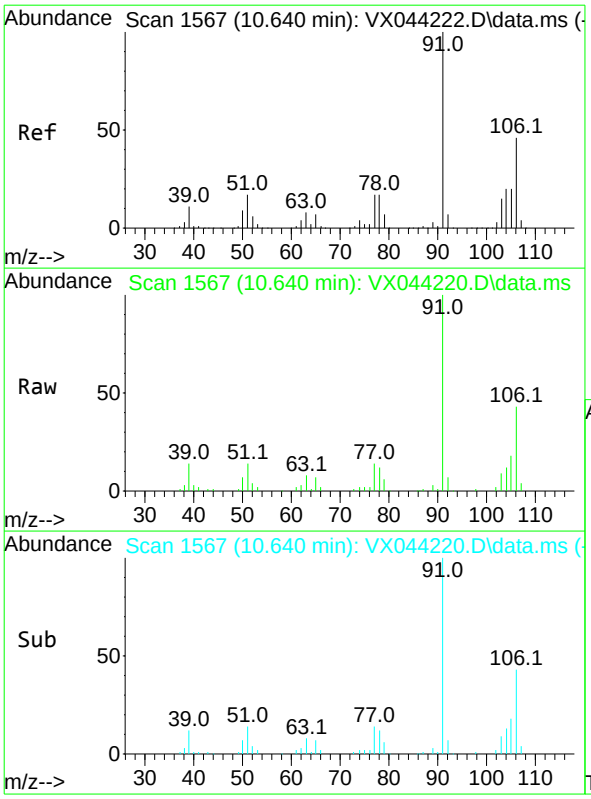


#68
m/p-Xylenes
Concen: 9.720 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:106 Resp: 28758

Ion	Ratio	Lower	Upper
106	100		
91	210.2	170.2	255.2





#69
o-Xylene
Concen: 4.965 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:106 Resp: 14864

Ion	Ratio	Lower	Upper
106	100		
91	219.3	112.3	337.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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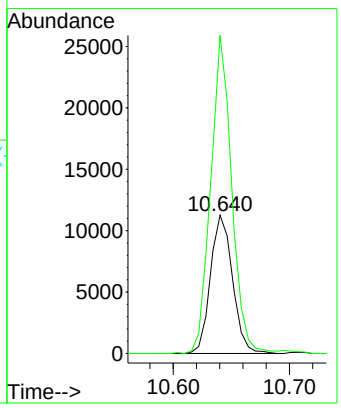
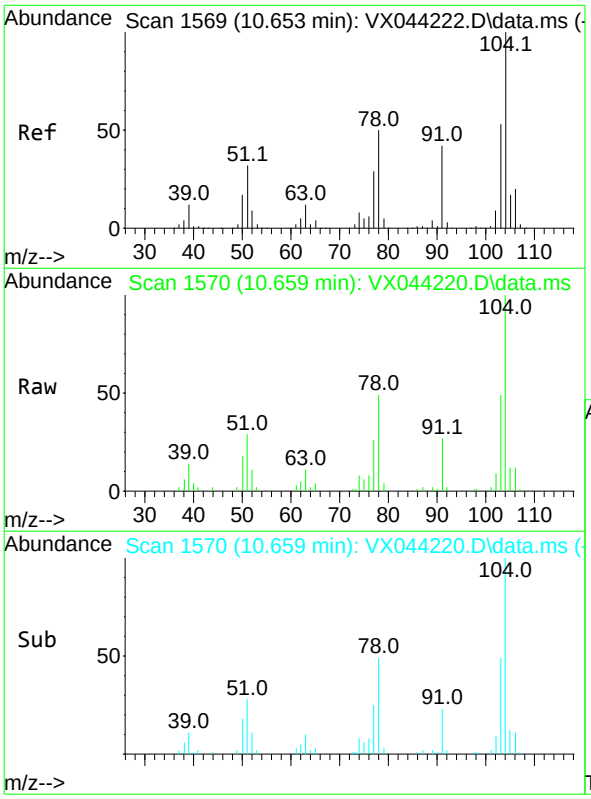
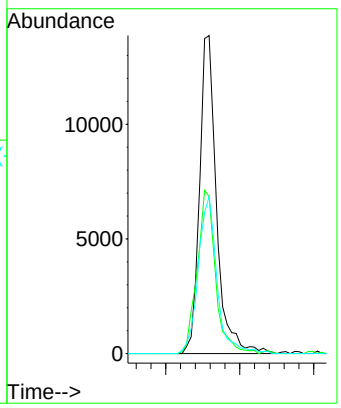


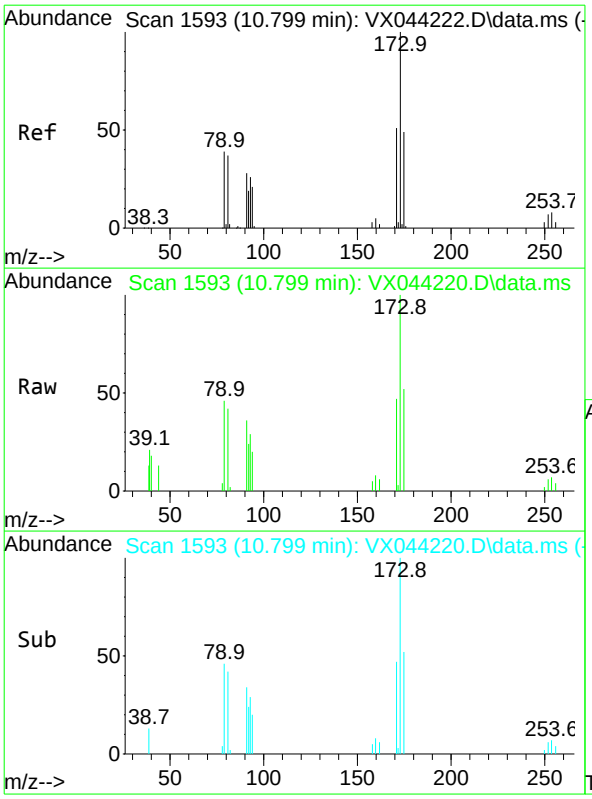


#70
Styrene
Concen: 4.624 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:104 Resp: 22191

Ion	Ratio	Lower	Upper
104	100		
78	55.5	44.6	67.0
103	54.6	45.4	68.0





#71
Bromoform
Concen: 5.118 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:173 Resp: 3775

Ion	Ratio	Lower	Upper
173	100		
175	46.3	23.8	71.4
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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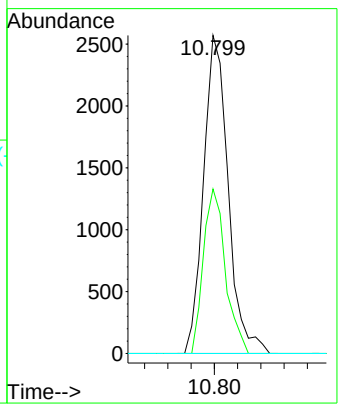
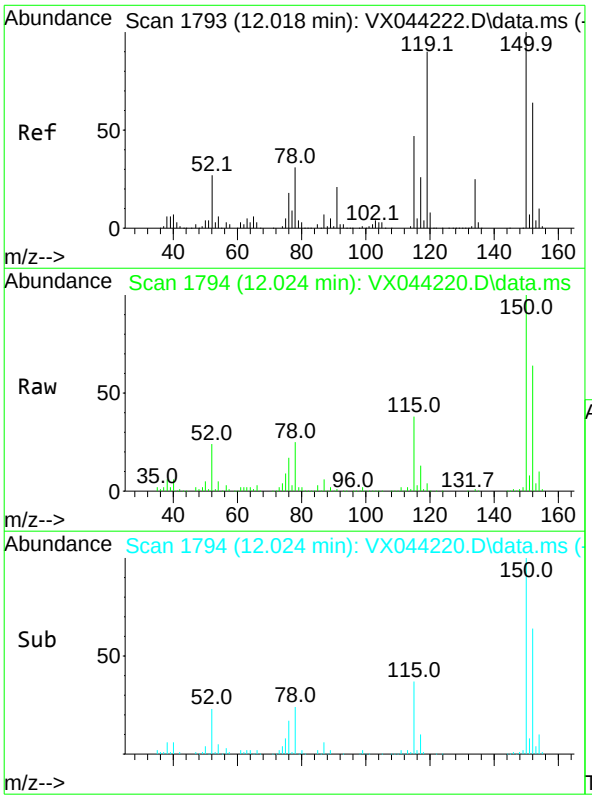
Supervised By :Mahesh Dadoda 12/12/2024

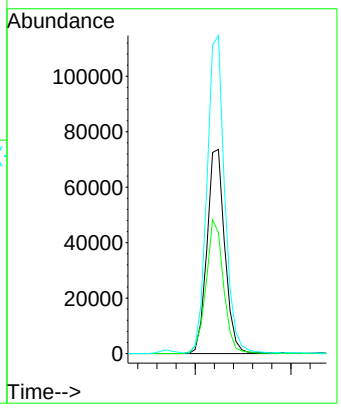


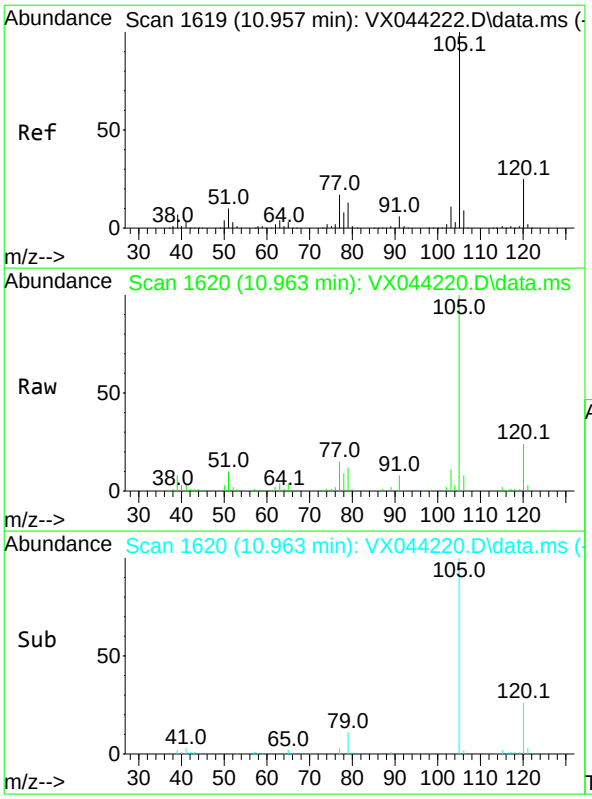


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:152 Resp: 95175

Ion	Ratio	Lower	Upper
152	100		
115	64.2	44.5	133.3
150	154.3	0.0	353.8





#73
Isopropylbenzene
Concen: 5.194 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

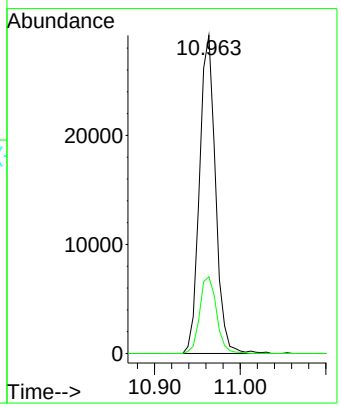
Tgt Ion:105 Resp: 37843

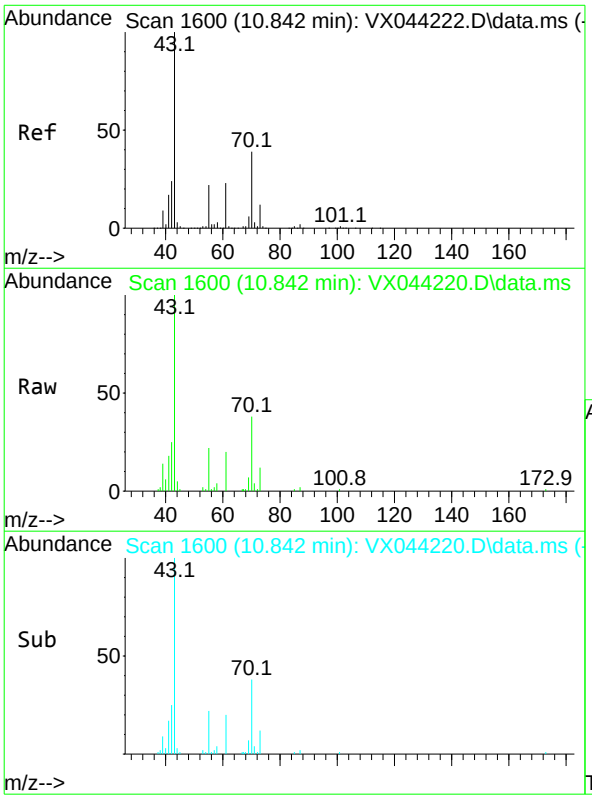
Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.1	39.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

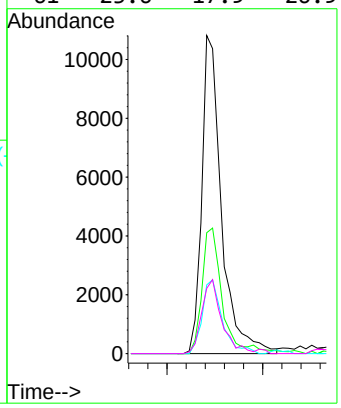


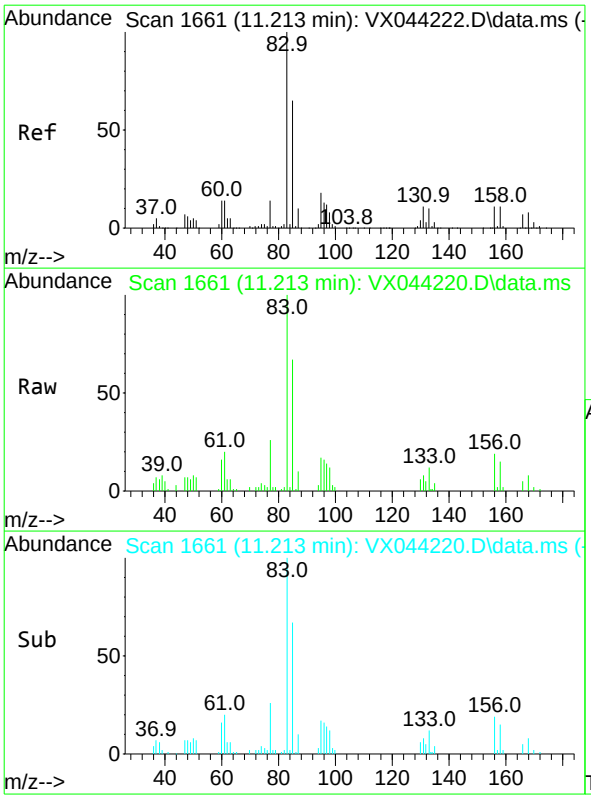


#74
N-amyl acetate
Concen: 4.579 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 43 Resp: 15418

Ion	Ratio	Lower	Upper
43	100		
70	41.2	31.9	47.9
55	23.7	17.9	26.9
61	23.6	17.9	26.9





#75
1,1,2,2-Tetrachloroethane
Concen: 5.077 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 83 Resp: 12848

Ion	Ratio	Lower	Upper
83	100		
131	9.1	5.1	15.4
85	65.3	32.5	97.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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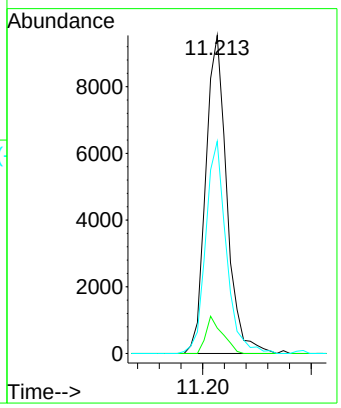
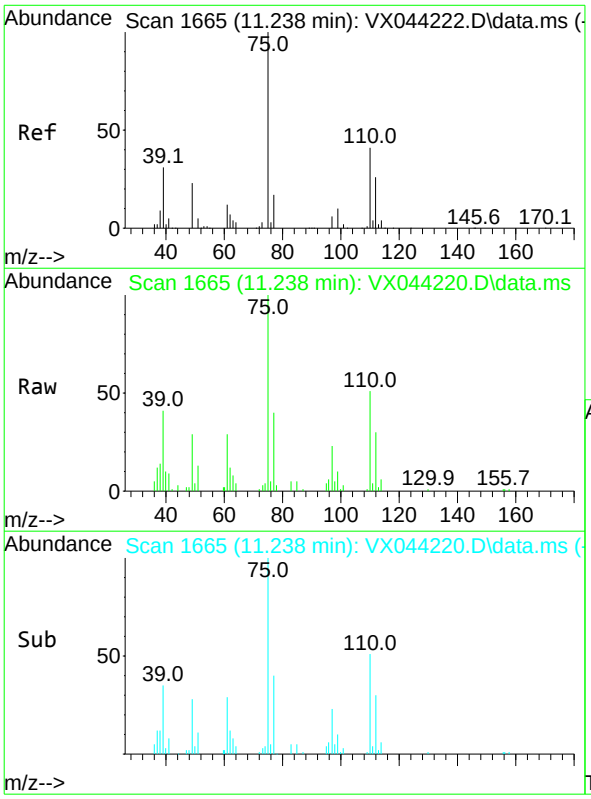
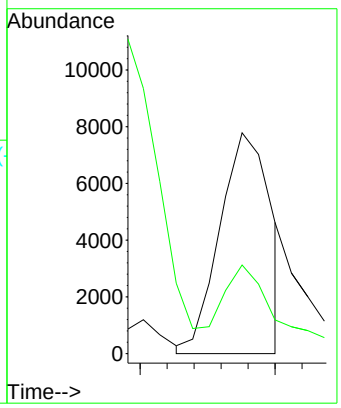


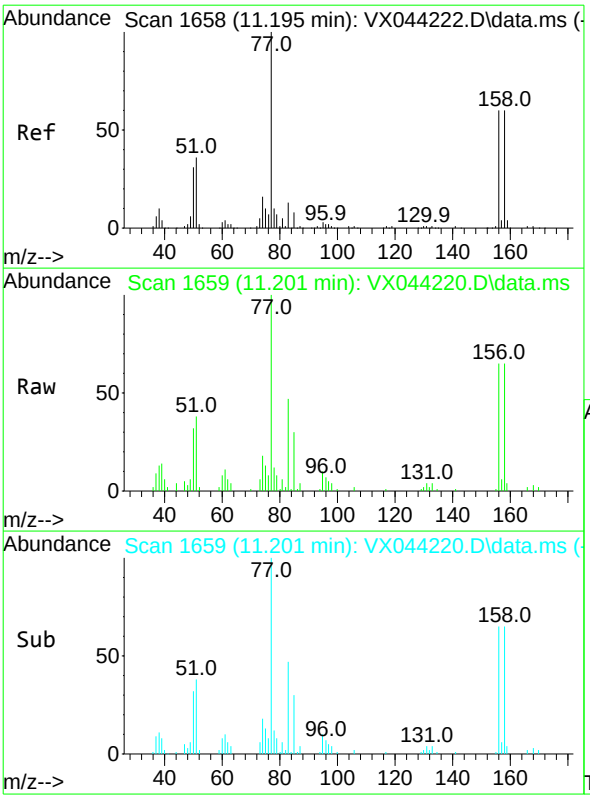


#76
1,2,3-Trichloropropane
Concen: 4.740 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 75 Resp: 10236

Ion	Ratio	Lower	Upper
75	100		
77	45.4	20.9	62.7





#77
Bromobenzene
Concen: 5.033 ug/l
RT: 11.201 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:156 Resp: 8892

Ion	Ratio	Lower	Upper
156	100		
77	165.4	82.6	247.8
158	94.7	48.8	146.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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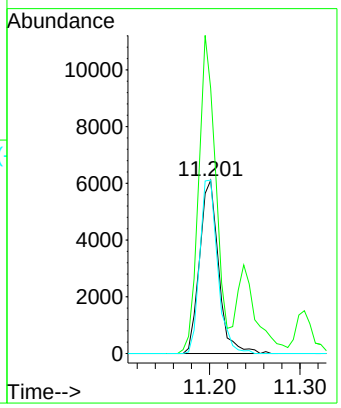
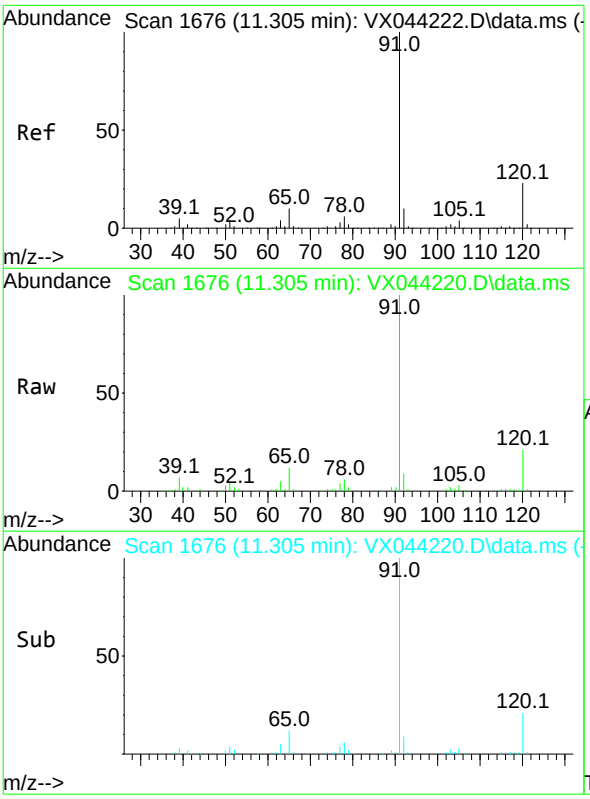
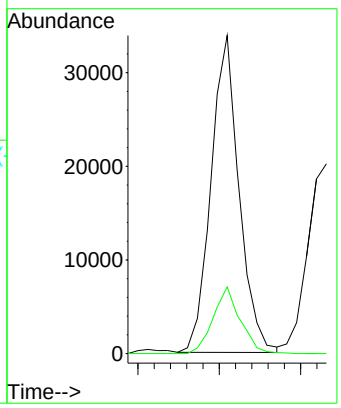


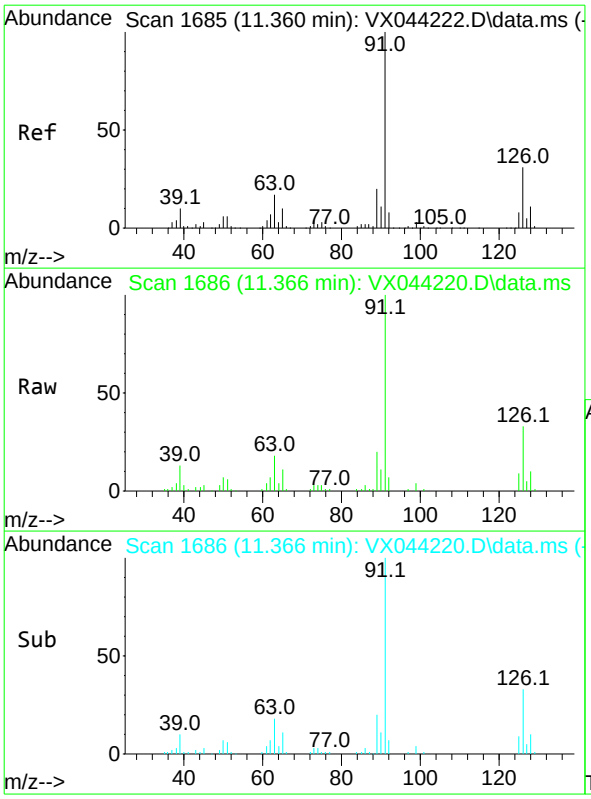


#78
n-propylbenzene
Concen: 5.038 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 91 Resp: 40574

Ion	Ratio	Lower	Upper
91	100		
120	20.3	11.0	33.0





#79
2-Chlorotoluene
Concen: 5.203 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 91 Resp: 27096

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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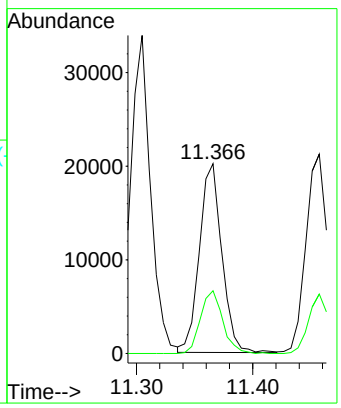
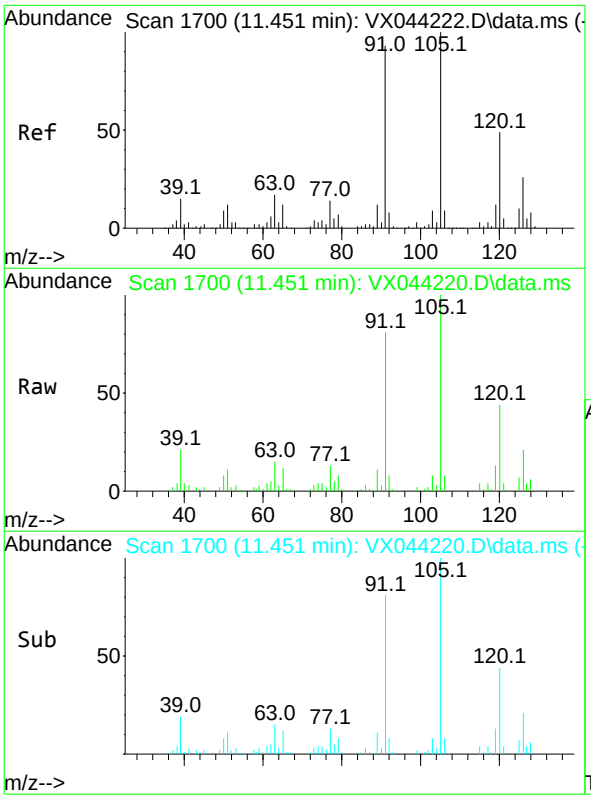
Supervised By :Mahesh Dadoda 12/12/2024

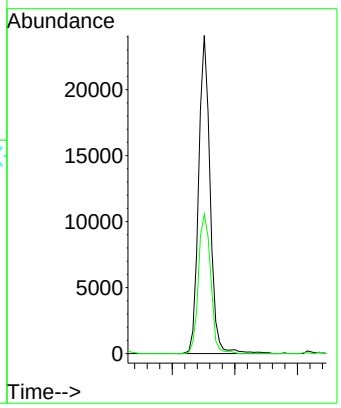


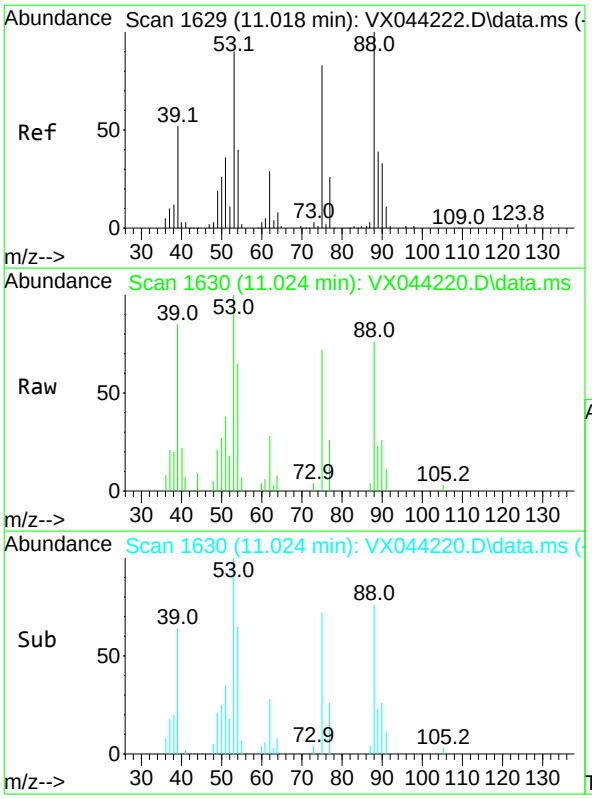


#80
1,3,5-Trimethylbenzene
Concen: 5.075 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:105 Resp: 30665

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.8	71.4





#81
trans-1,4-Dichloro-2-butene
Concen: 8.273 ug/l
RT: 11.024 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 75 Resp: 2249

Ion	Ratio	Lower	Upper
75	100		
53	168.9	93.6	140.4#
89	55.5	37.3	55.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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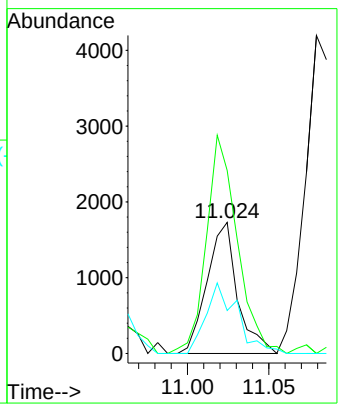
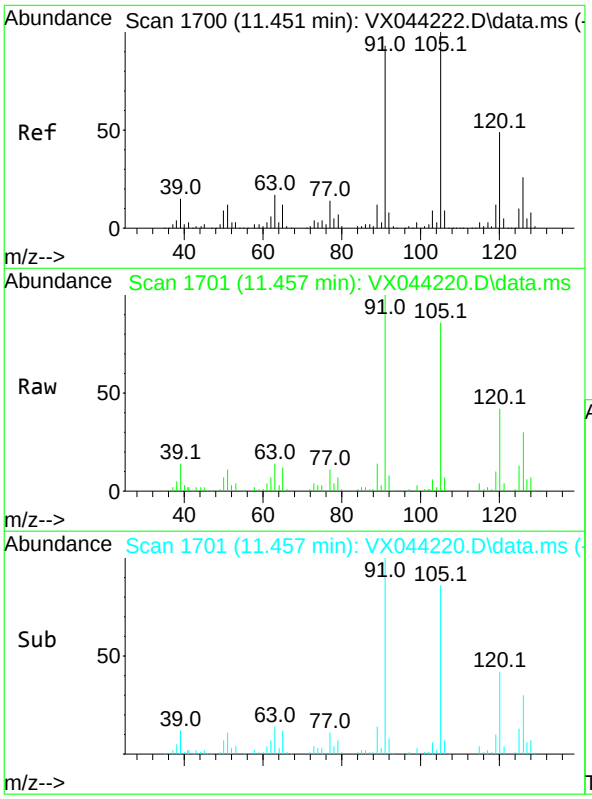
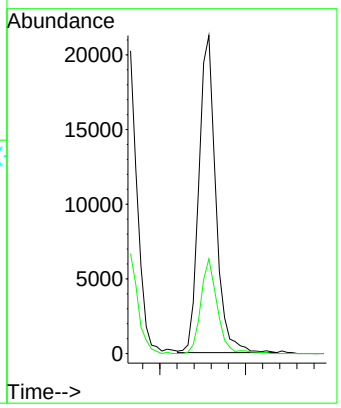


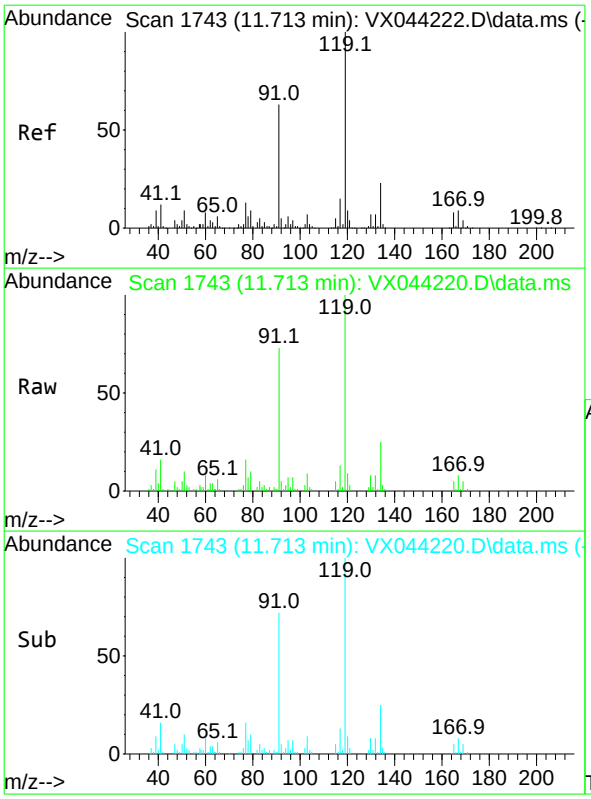


#82
4-Chlorotoluene
Concen: 5.035 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 91 Resp: 29039

Ion	Ratio	Lower	Upper
91	100		
126	29.3	14.5	43.5





#83
tert-Butylbenzene
Concen: 4.904 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:119 Resp: 29283

Ion	Ratio	Lower	Upper
119	100		
91	65.9	30.9	92.5
134	25.3	11.5	34.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 12/12/2024
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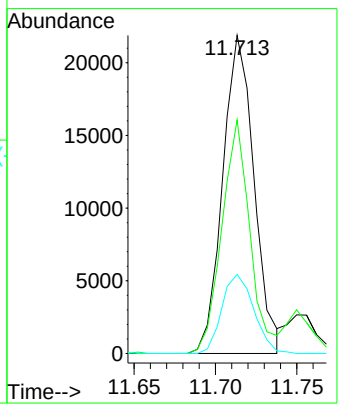
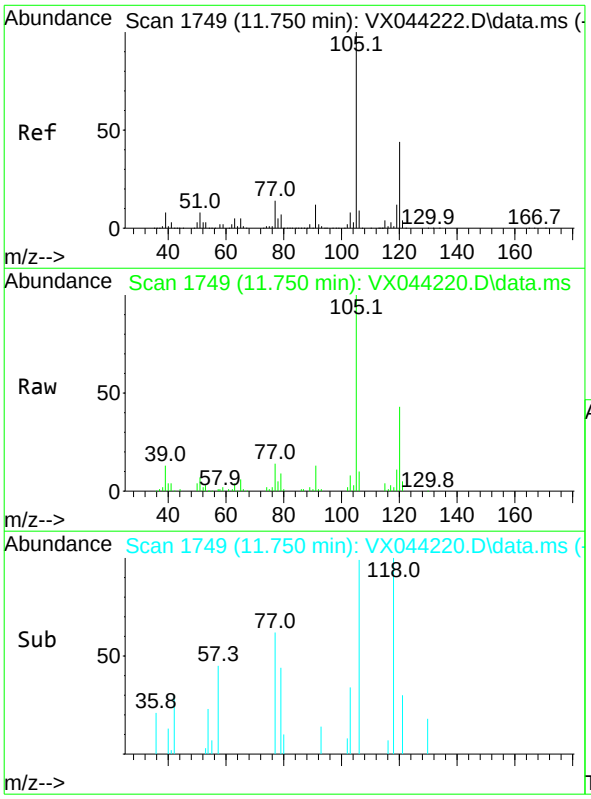
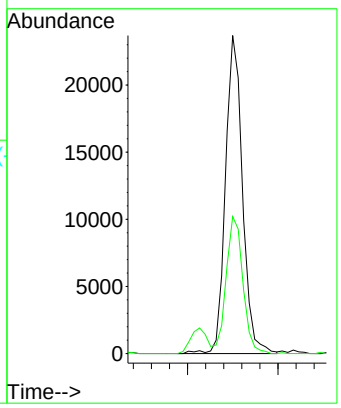


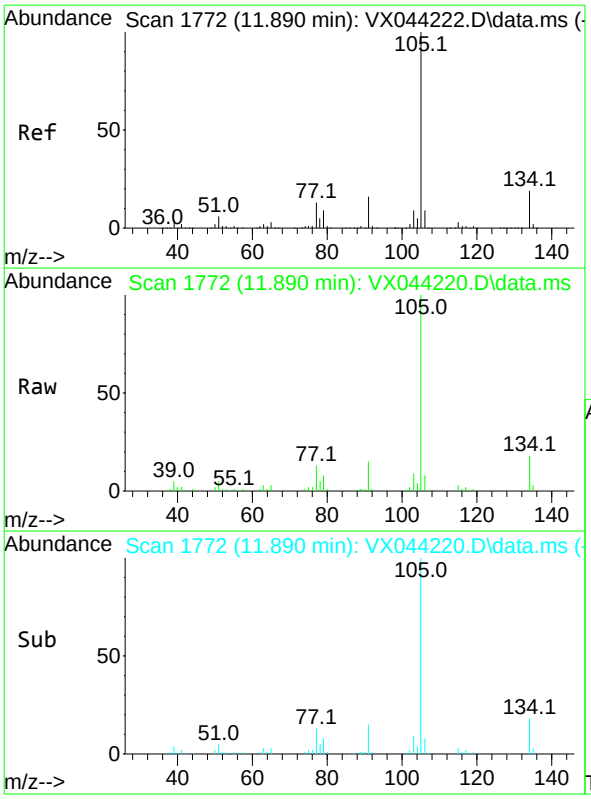


#84
1,2,4-Trimethylbenzene
Concen: 5.219 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:105 Resp: 30970

Ion	Ratio	Lower	Upper
105	100		
120	42.6	21.7	65.1





#85
sec-Butylbenzene
Concen: 4.921 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:105 Resp: 35670

Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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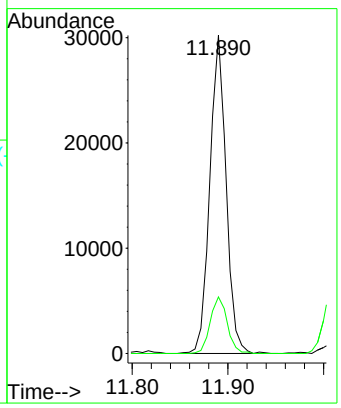
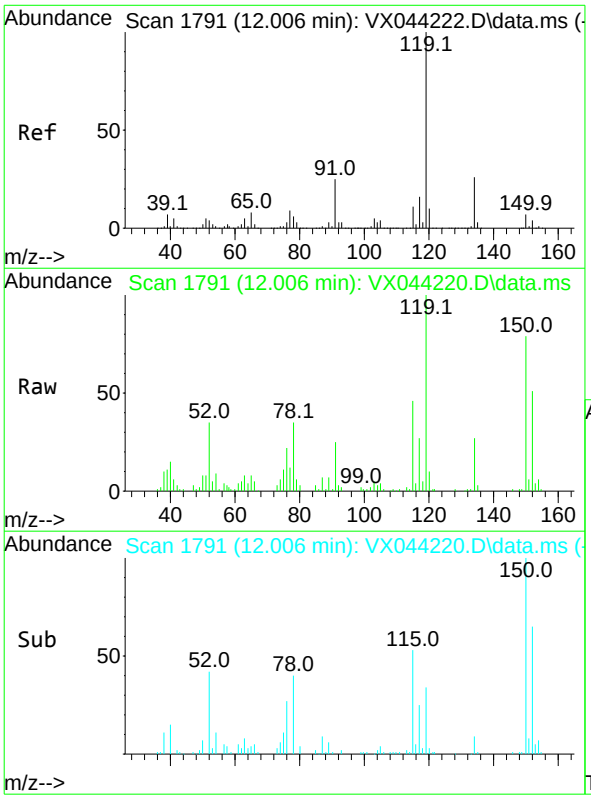
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

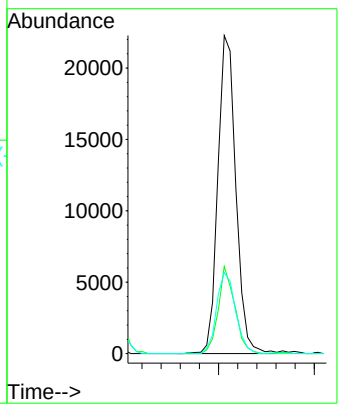


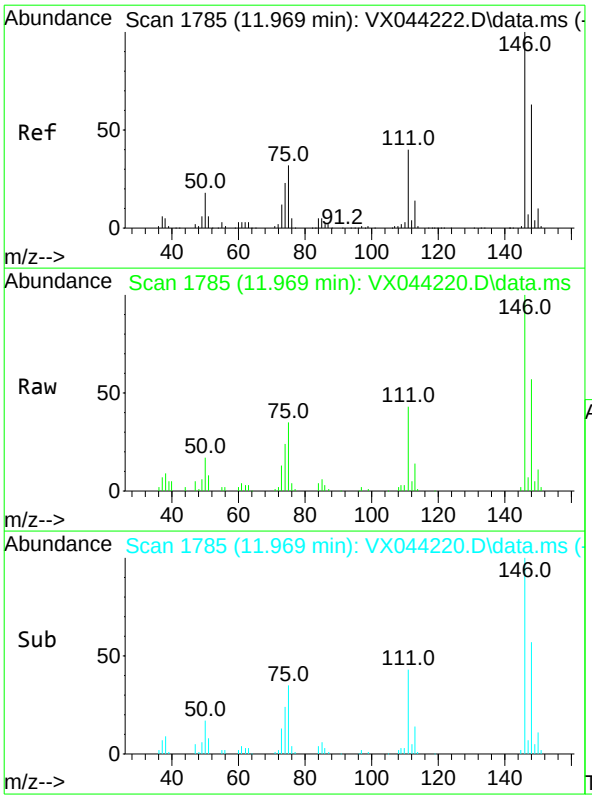


#86
p-Isopropyltoluene
Concen: 4.828 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:119 Resp: 29132

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.8	38.4
91	26.9	13.0	39.0





#87
1,3-Dichlorobenzene
Concen: 5.039 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:146 Resp: 15553

Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.4	64.2
148	60.1	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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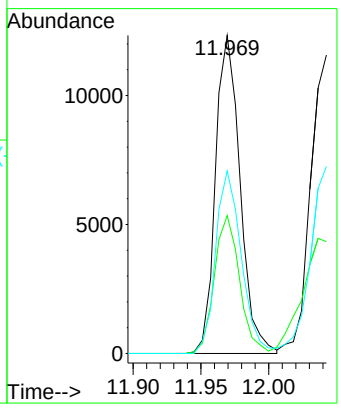
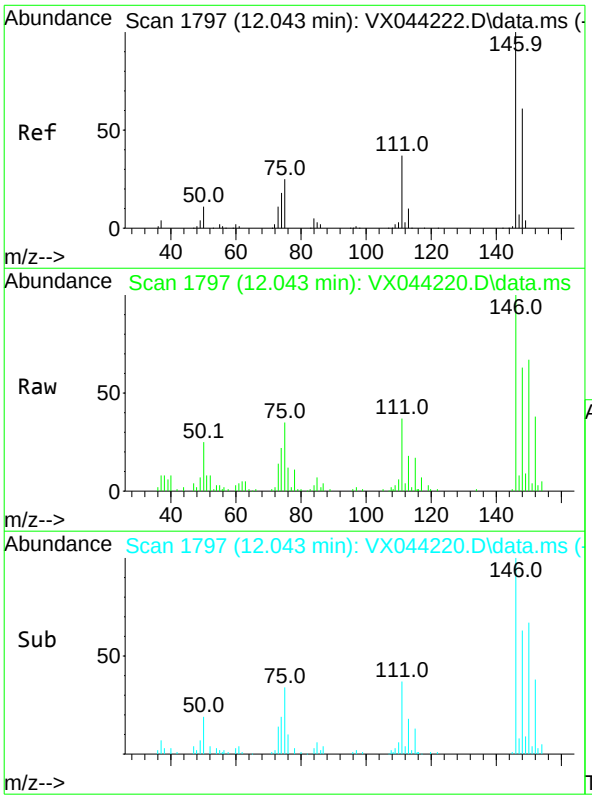
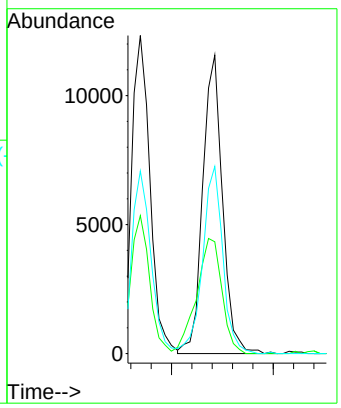


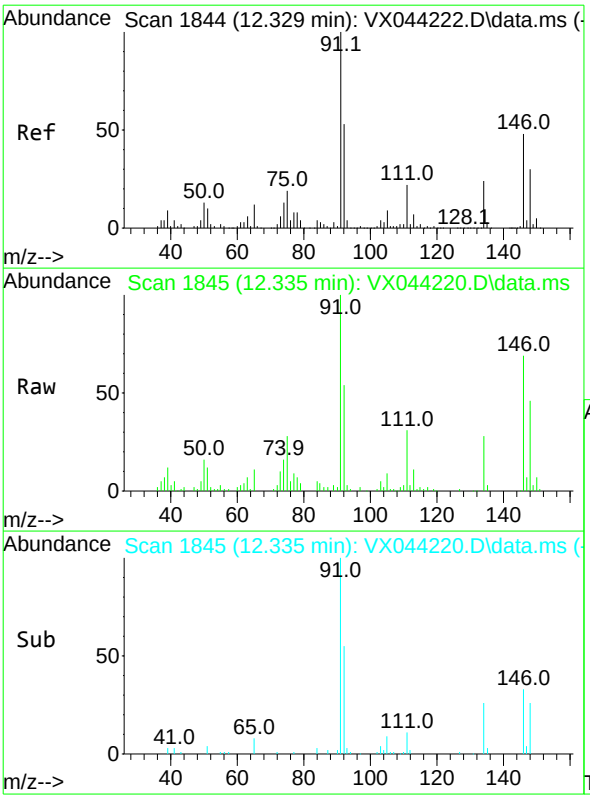


#88
1,4-Dichlorobenzene
Concen: 4.920 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:146 Resp: 15609

Ion	Ratio	Lower	Upper
146	100		
111	49.5	21.0	63.0
148	64.1	32.3	96.8





#89
n-Butylbenzene
Concen: 4.478 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 91 Resp: 22719

Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.6	79.7
134	24.9	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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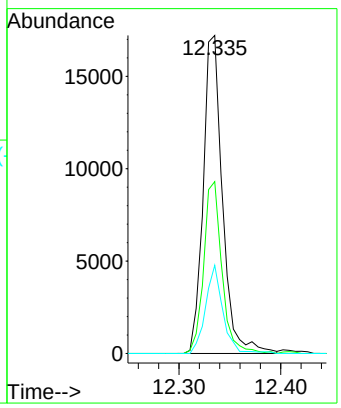
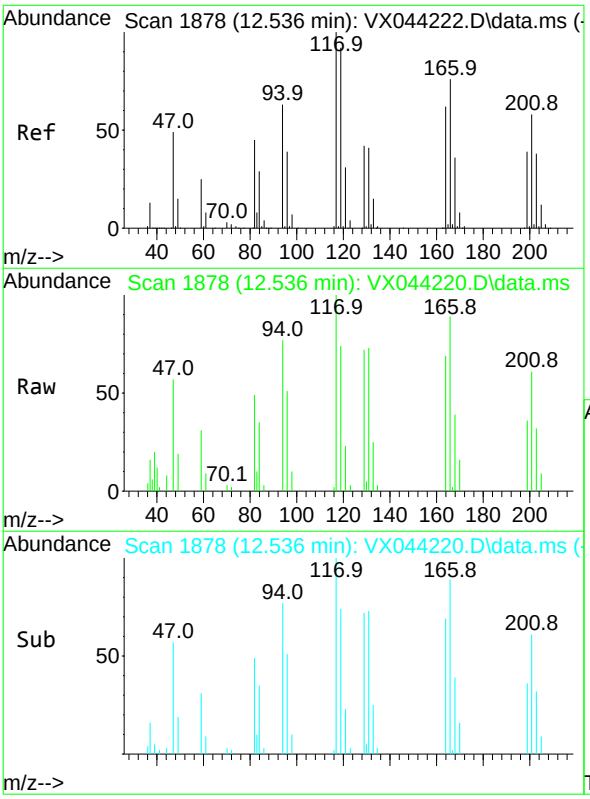
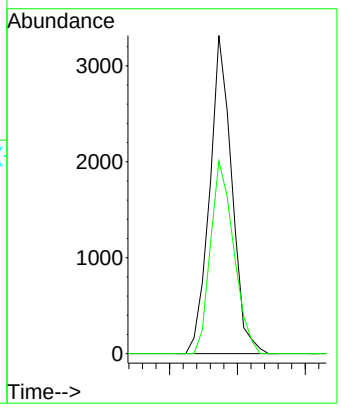


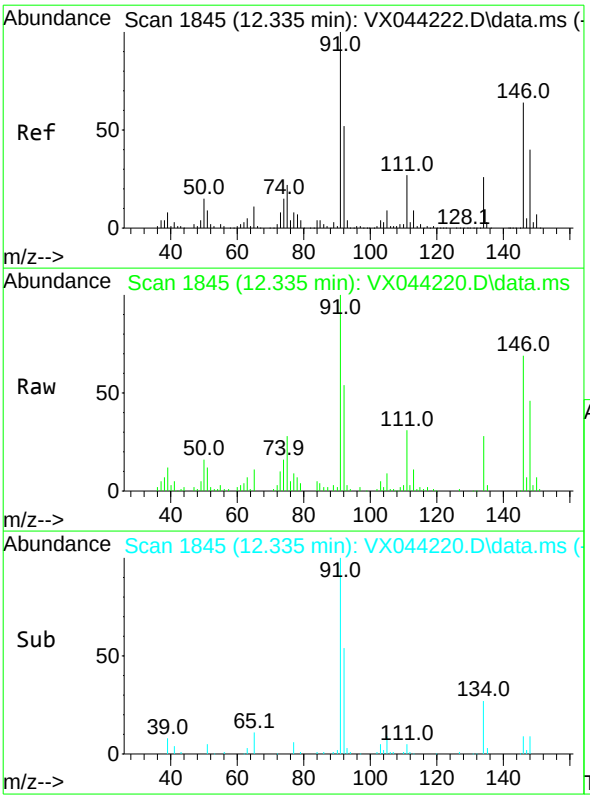


#90
Hexachloroethane
Concen: 4.275 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:117 Resp: 3765

Ion	Ratio	Lower	Upper
117	100		
201	63.5	31.4	94.2





#91
1,2-Dichlorobenzene
Concen: 4.949 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:146 Resp: 15858

Ion	Ratio	Lower	Upper
146	100		
111	45.8	21.4	64.3
148	62.1	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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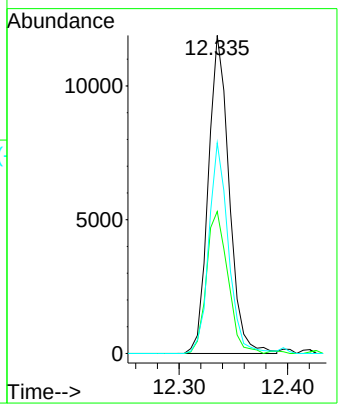
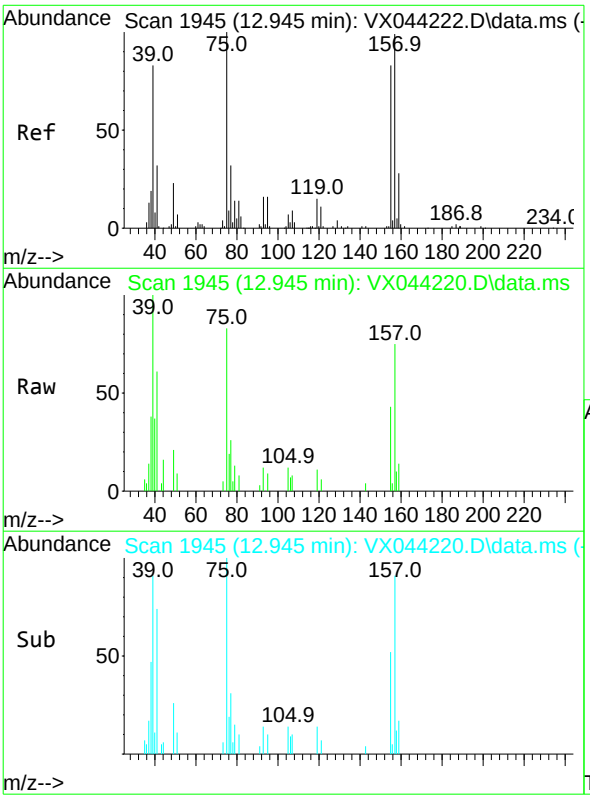
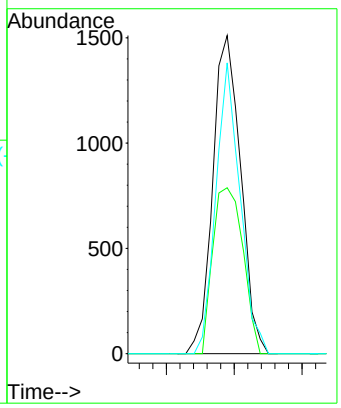


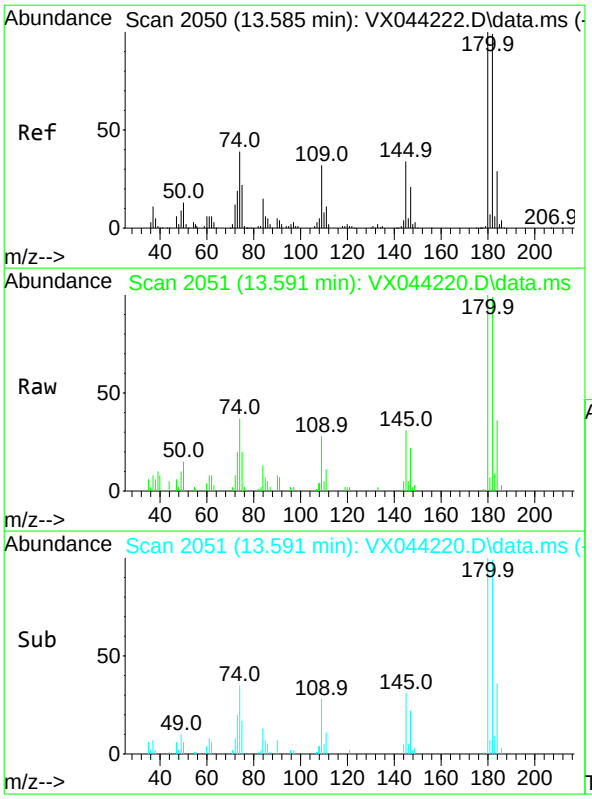


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.385 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 75 Resp: 2154

Ion	Ratio	Lower	Upper
75	100		
155	56.5	38.1	114.3
157	79.4	47.2	141.6





#93
1,2,4-Trichlorobenzene
Concen: 4.478 ug/l
RT: 13.591 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

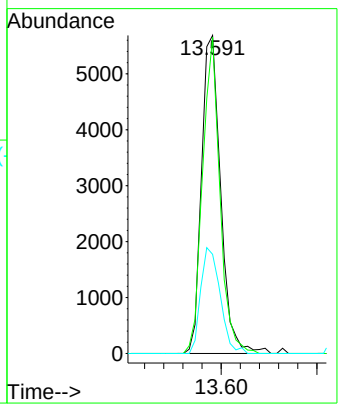
Tgt Ion:180 Resp: 7867

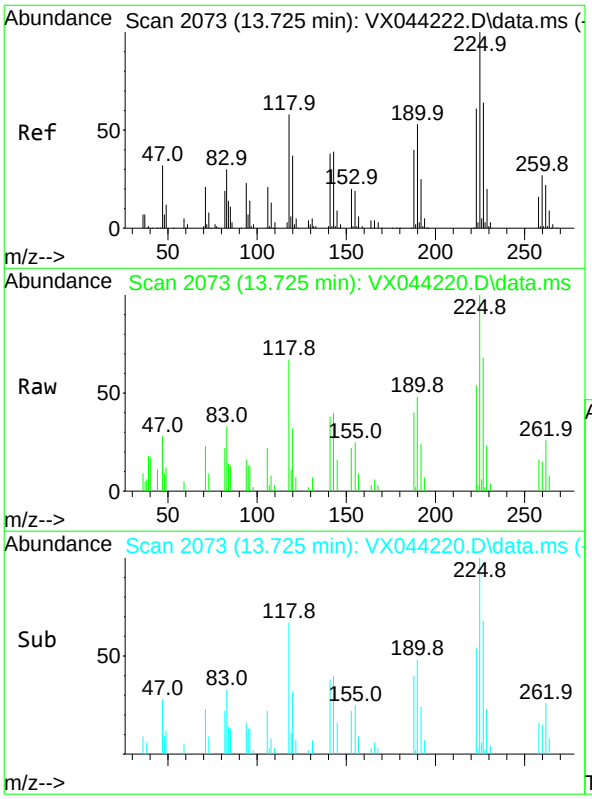
Ion	Ratio	Lower	Upper
180	100		
182	90.8	48.0	144.2
145	33.9	16.6	49.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

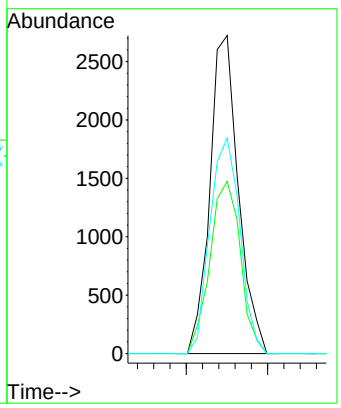


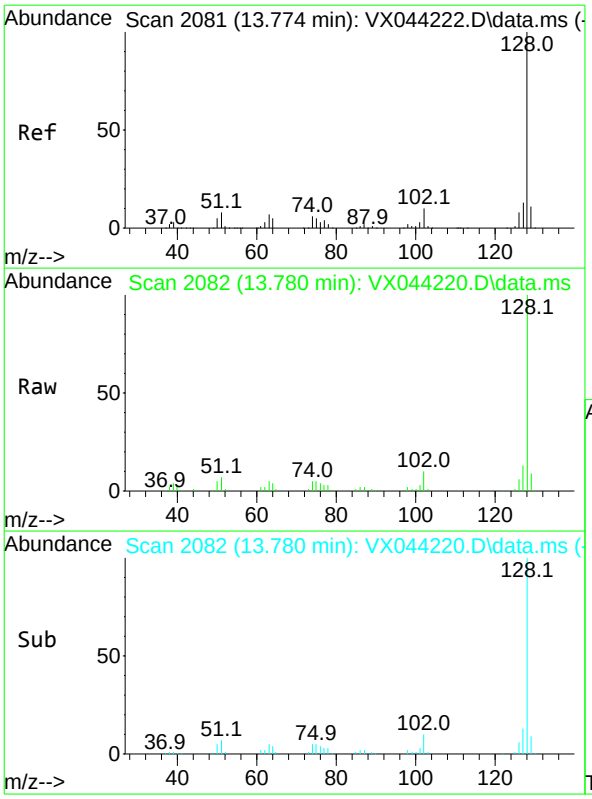


#94
Hexachlorobutadiene
Concen: 4.700 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:225 Resp: 3321

Ion	Ratio	Lower	Upper
225	100		
223	57.9	30.8	92.4
227	71.2	32.1	96.3





#95
Naphthalene
Concen: 4.643 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

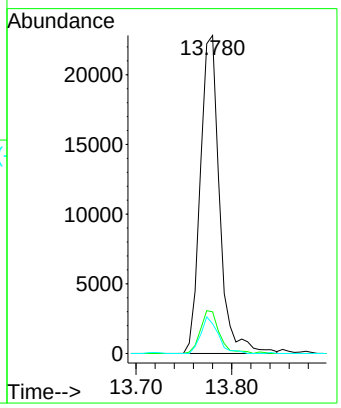
Tgt Ion:128 Resp: 31842

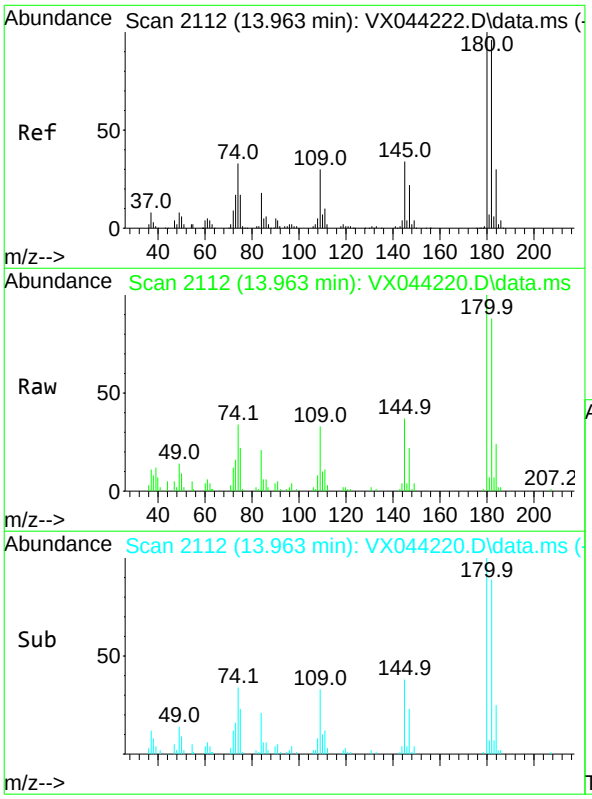
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.3	9.0	13.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

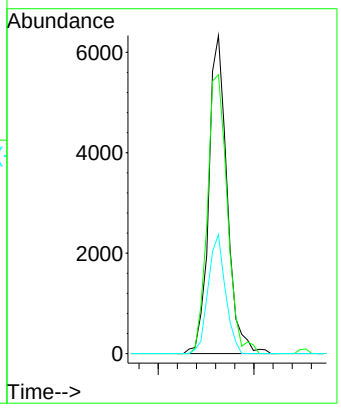




#96
1,2,3-Trichlorobenzene
Concen: 4.520 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:180 Resp: 8422

Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.0	144.0
145	35.2	17.7	53.1



Quantitation Report (QT Reviewed)

ICAL Form

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Data File : VX044221.D
Acq On : 11 Dec 2024 11:50
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 12 04:14:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	134436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	254199	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98180	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	41821	17.743	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 35.480%#			
35) Dibromofluoromethane	5.391	113	30304	17.213	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 34.420%#			
50) Toluene-d8	8.647	98	102660	17.284	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 34.560%#			
62) 4-Bromofluorobenzene	11.079	95	35645	17.175	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 34.340%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	38748	18.640	ug/l	90
3) Chloromethane	1.294	50	39546	19.894	ug/l	100
4) Vinyl Chloride	1.374	62	42048	20.304	ug/l	97
5) Bromomethane	1.593	94	27604	18.789	ug/l	94
6) Chloroethane	1.666	64	27673	21.460	ug/l	94
7) Trichlorofluoromethane	1.867	101	81398	20.077	ug/l	99
8) Diethyl Ether	2.136	74	25884	18.704	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	31846	19.412	ug/l	99
10) Methyl Iodide	2.441	142	42786	19.788	ug/l	99
11) Tert butyl alcohol	3.001	59	29819m	89.904	ug/l	
12) 1,1-Dichloroethene	2.306	96	29241	19.405	ug/l	92
13) Acrolein	2.239	56	43909	91.311	ug/l	97
14) Allyl chloride	2.654	41	47218	18.813	ug/l	98
15) Acrylonitrile	3.068	53	89249	96.988	ug/l	99
16) Acetone	2.392	43	88985	92.601	ug/l	95
17) Carbon Disulfide	2.502	76	50399	17.595	ug/l	98
18) Methyl Acetate	2.709	43	47509	19.175	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	114371	19.450	ug/l	100
20) Methylene Chloride	2.782	84	35820	19.846	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	31036	19.380	ug/l	97
22) Diisopropyl ether	3.764	45	112511	19.907	ug/l	94
23) Vinyl Acetate	3.721	43	465716	101.354	ug/l	100
24) 1,1-Dichloroethane	3.605	63	62059	19.699	ug/l	98
25) 2-Butanone	4.568	43	136992	100.277	ug/l	99
26) 2,2-Dichloropropane	4.471	77	51431	20.095	ug/l #	74
27) cis-1,2-Dichloroethene	4.477	96	39161	19.254	ug/l	99
28) Bromochloromethane	4.891	49	30977	20.052	ug/l	95
29) Tetrahydrofuran	5.013	42	86235	98.343	ug/l	99
30) Chloroform	5.093	83	68410	19.327	ug/l	97
31) Cyclohexane	5.458	56	51773	20.351	ug/l	93
32) 1,1,1-Trichloroethane	5.373	97	57900	19.706	ug/l	99
36) 1,1-Dichloropropene	5.690	75	42878	18.841	ug/l	99
37) Ethyl Acetate	4.727	43	56019	19.913	ug/l	99
38) Carbon Tetrachloride	5.672	117	43901	17.918	ug/l	92
39) Methylcyclohexane	7.379	83	53536	19.678	ug/l	97
40) Benzene	6.031	78	135467	19.606	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044221.D
Acq On : 11 Dec 2024 11:50
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 12 04:14:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	28523	19.095 ug/l	94
42) 1,2-Dichloroethane	6.086	62	55377	19.456 ug/l	98
43) Isopropyl Acetate	6.342	43	84866	19.301 ug/l	100
44) Trichloroethene	7.123	130	32995	19.149 ug/l	96
45) 1,2-Dichloropropane	7.427	63	33585	19.025 ug/l	97
46) Dibromomethane	7.580	93	26293	19.199 ug/l	99
47) Bromodichloromethane	7.818	83	44312	18.735 ug/l	99
48) Methyl methacrylate	7.696	41	40620	19.032 ug/l	98
49) 1,4-Dioxane	7.671	88	14281m	391.518 ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	278267	98.429 ug/l	100
52) Toluene	8.714	92	82934	19.113 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	44614	18.785 ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	49596	19.258 ug/l	91
55) 1,1,2-Trichloroethane	9.147	97	34013	19.732 ug/l	98
56) Ethyl methacrylate	9.116	69	52571	19.318 ug/l	99
57) 1,3-Dichloropropane	9.305	76	59489	19.827 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	129900	94.642 ug/l	100
59) 2-Hexanone	9.433	43	207578	101.440 ug/l	99
60) Dibromochloromethane	9.519	129	31066	18.318 ug/l	97
61) 1,2-Dibromoethane	9.610	107	34978	19.935 ug/l	98
64) Tetrachloroethene	9.275	164	27702	19.133 ug/l	97
65) Chlorobenzene	10.079	112	90631	19.389 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	29132	19.392 ug/l	99
67) Ethyl Benzene	10.195	91	158455	19.619 ug/l	98
68) m/p-Xylenes	10.299	106	116126	39.183 ug/l	98
69) o-Xylene	10.640	106	59787	19.938 ug/l	99
70) Styrene	10.653	104	95883	19.946 ug/l	98
71) Bromoform	10.799	173	16924	18.112 ug/l #	96
73) Isopropylbenzene	10.963	105	153935	20.481 ug/l	98
74) N-amyl acetate	10.842	43	69643	20.049 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	52312	20.039 ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	43726m	19.627 ug/l	
77) Bromobenzene	11.195	156	34951	19.176 ug/l	98
78) n-propylbenzene	11.305	91	169622	20.419 ug/l	100
79) 2-Chlorotoluene	11.366	91	106310	19.788 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	126626	20.315 ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	11784	19.264 ug/l	90
82) 4-Chlorotoluene	11.451	91	118309	19.886 ug/l	100
83) tert-Butylbenzene	11.713	119	121929	19.794 ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	125939	20.574 ug/l	99
85) sec-Butylbenzene	11.890	105	150795	20.165 ug/l	99
86) p-Isopropyltoluene	12.006	119	127790	20.532 ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	64399	20.228 ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	64106	19.588 ug/l	99
89) n-Butylbenzene	12.329	91	104410	19.950 ug/l	99
90) Hexachloroethane	12.536	117	15939	17.543 ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	65511	19.817 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9468	18.683 ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	35001	19.313 ug/l	99
94) Hexachlorobutadiene	13.725	225	14415	19.774 ug/l	97
95) Naphthalene	13.774	128	142515	20.146 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	38639	20.101 ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044221.D
Acq On : 11 Dec 2024 11:50
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Dec 12 04:14:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

ICAL Form

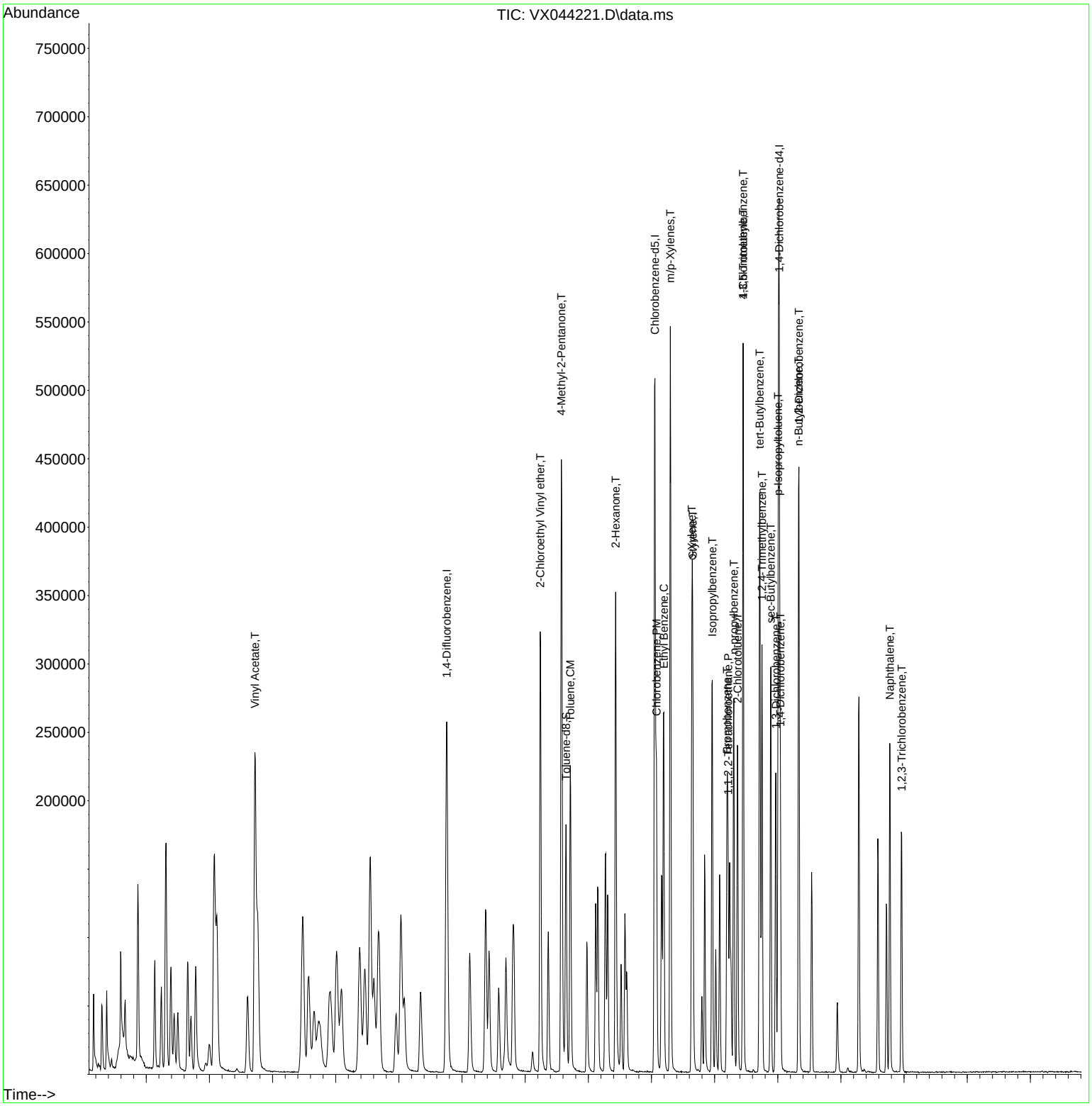
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044221.D
Acq On : 11 Dec 2024 11:50
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

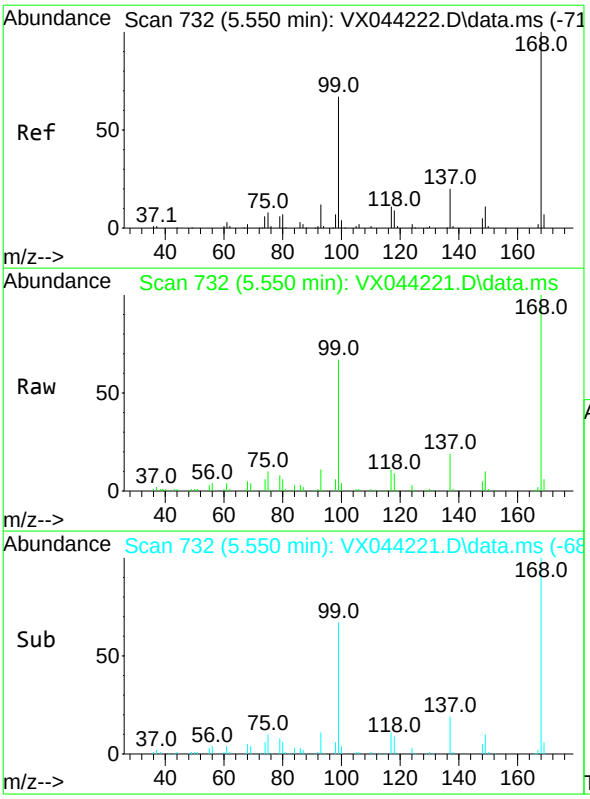
Quant Time: Dec 12 04:14:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

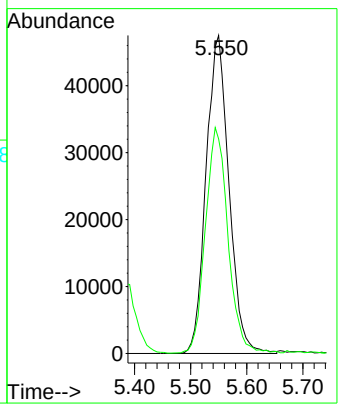
Tgt Ion:168 Resp: 134436

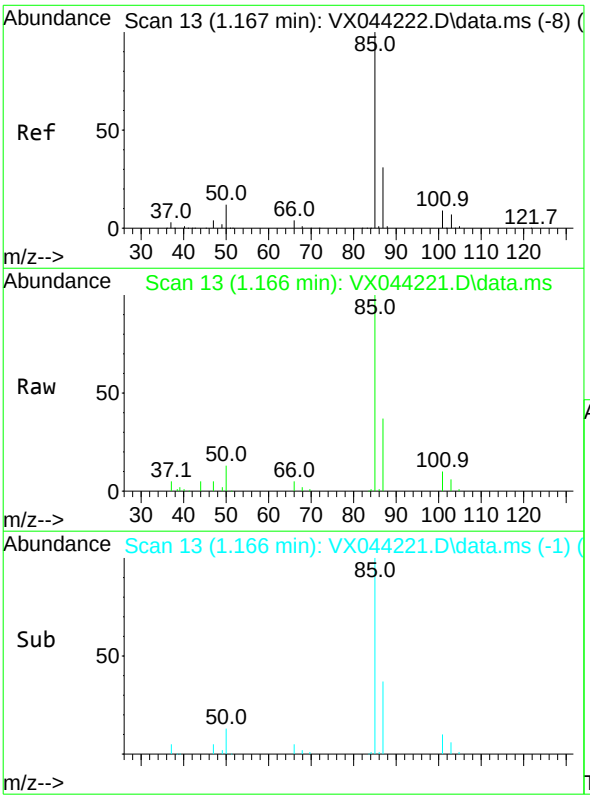
Ion	Ratio	Lower	Upper
168	100		
99	67.2	53.4	80.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

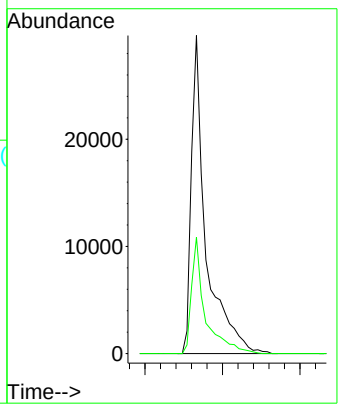


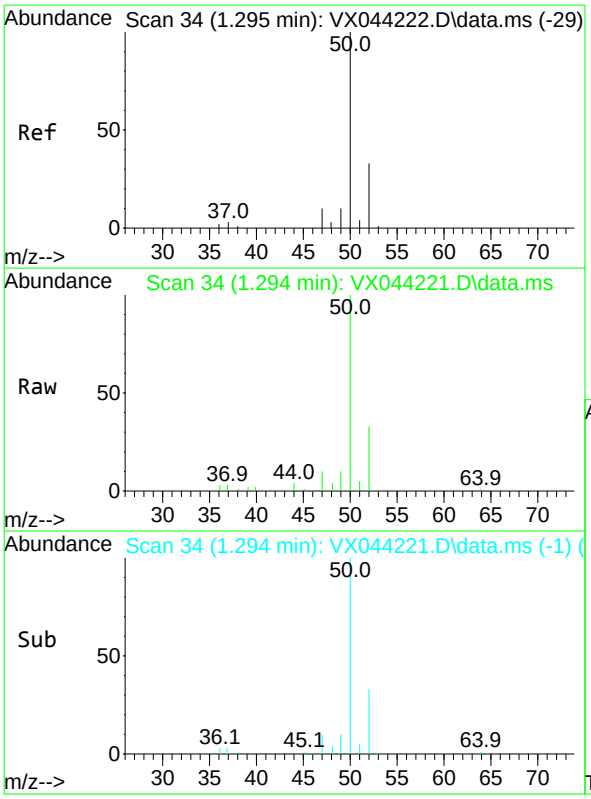


#2
Dichlorodifluoromethane
Concen: 18.640 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 85 Resp: 38748

Ion	Ratio	Lower	Upper
85	100		
87	36.6	15.4	46.4





#3
Chloromethane
Concen: 19.894 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

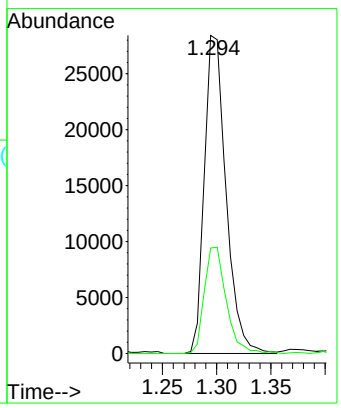
Tgt Ion: 50 Resp: 39546

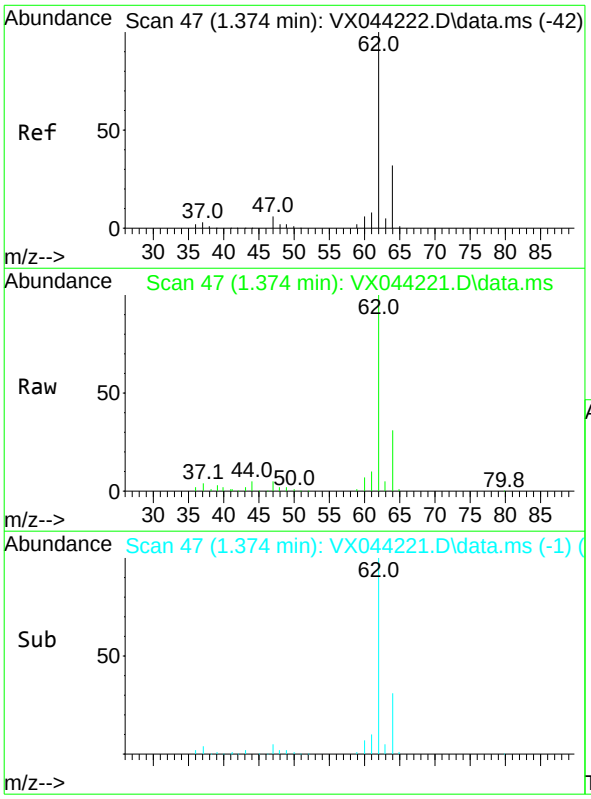
Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

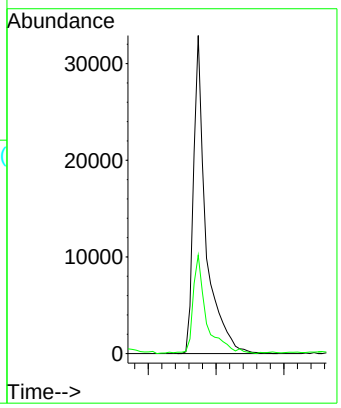


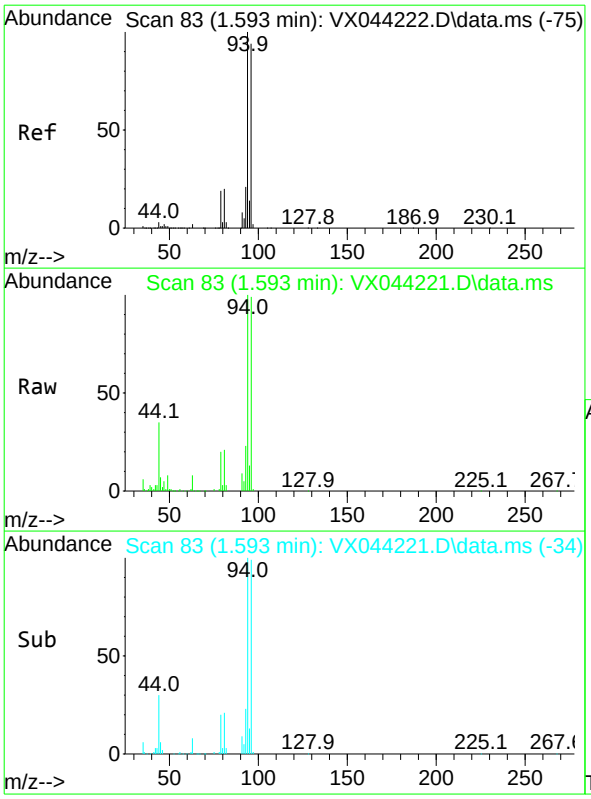


#4
Vinyl Chloride
Concen: 20.304 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 62 Resp: 42048

Ion	Ratio	Lower	Upper
62	100		
64	30.6	25.7	38.5





#5
Bromomethane
Concen: 18.789 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

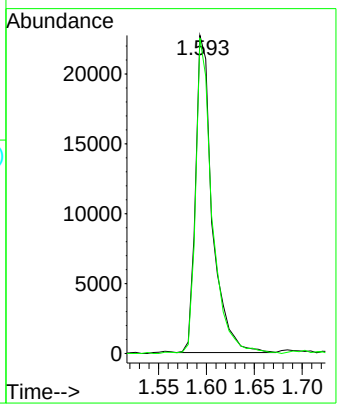
Tgt Ion: 94 Resp: 27604

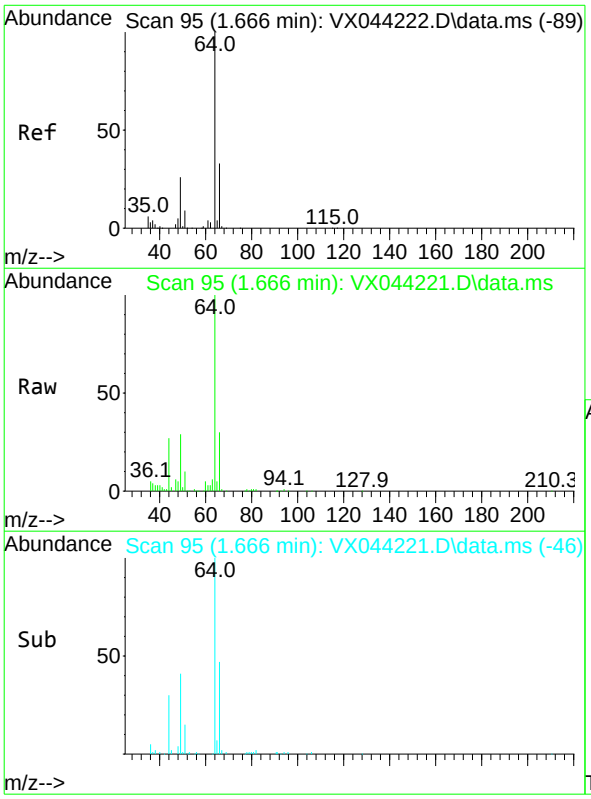
Ion	Ratio	Lower	Upper
94	100		
96	99.2	74.9	112.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

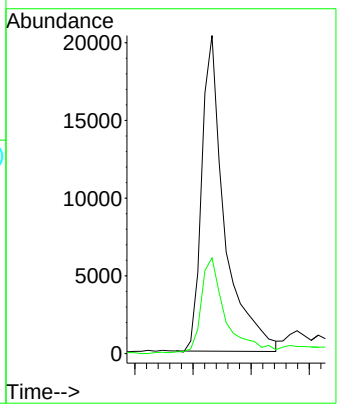


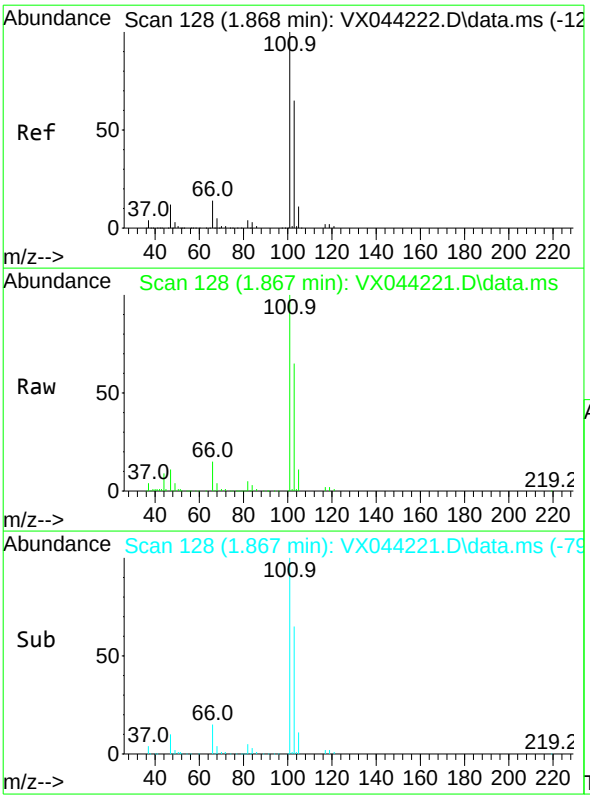


#6
Chloroethane
Concen: 21.460 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 64 Resp: 27673

Ion	Ratio	Lower	Upper
64	100		
66	29.8	26.6	39.8





#7
Trichlorofluoromethane
Concen: 20.077 ug/l
RT: 1.867 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:101 Resp: 81398

Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.8	77.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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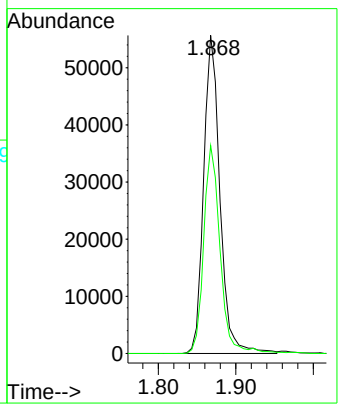
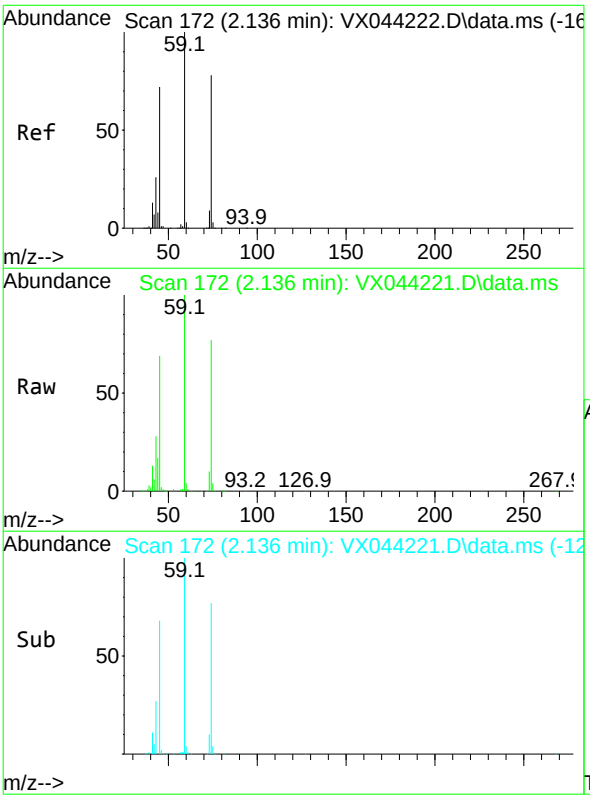
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

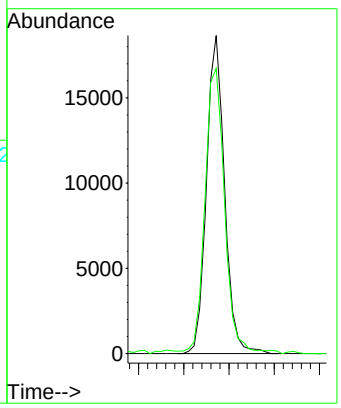


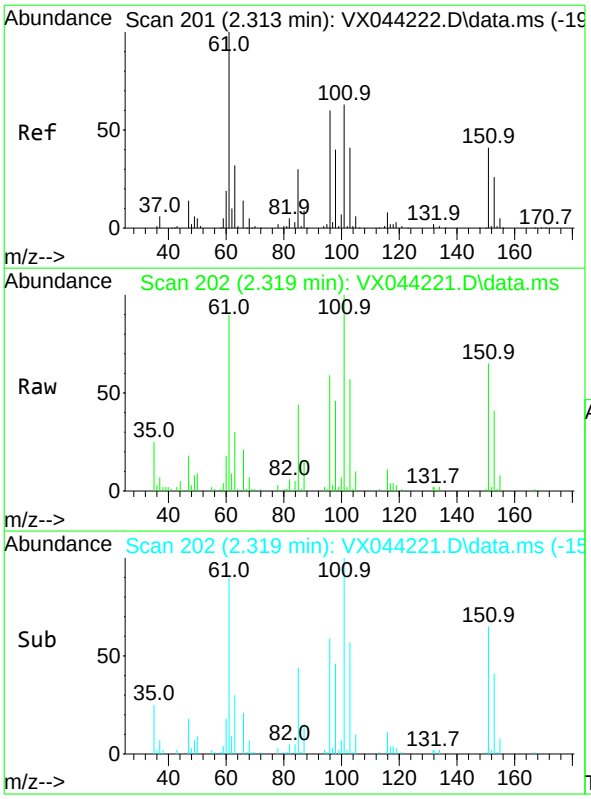


#8
Diethyl Ether
Concen: 18.704 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 74 Resp: 25884

Ion	Ratio	Lower	Upper
74	100		
45	97.8	48.4	145.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.412 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:101 Resp: 31846

Ion	Ratio	Lower	Upper
101	100		
85	48.0	38.5	57.7
151	68.6	55.8	83.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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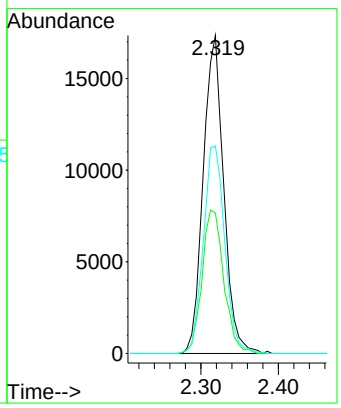
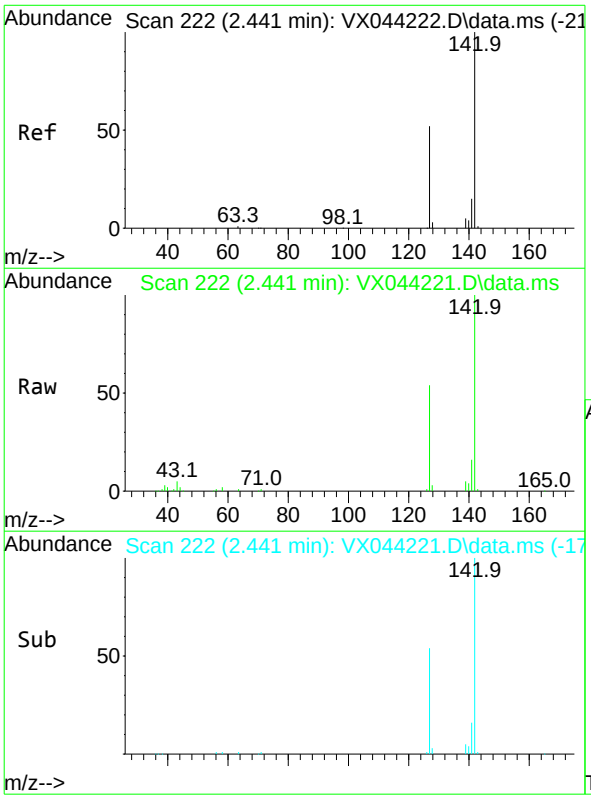
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

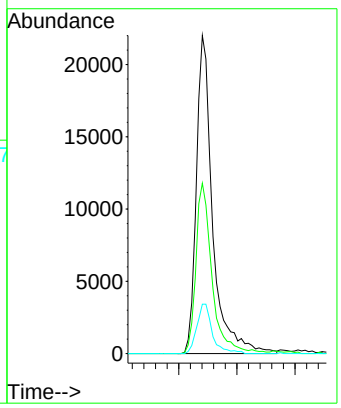


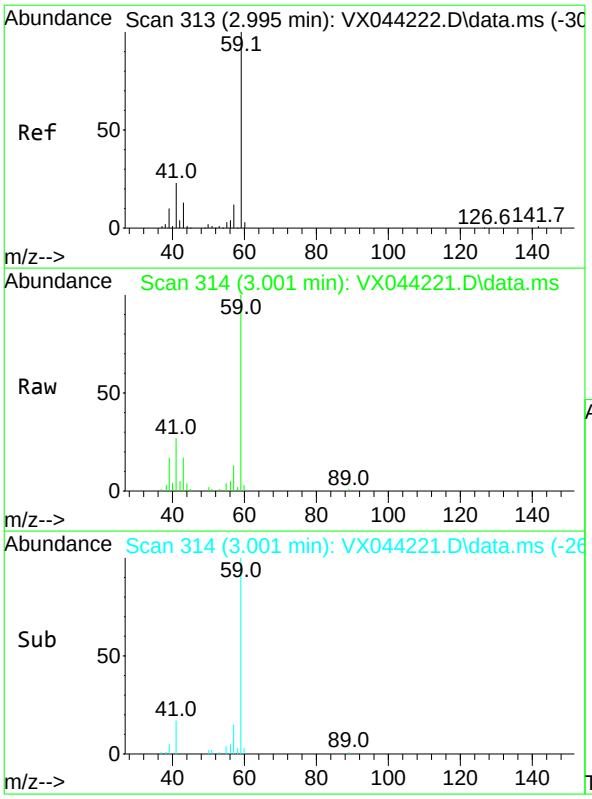


#10
Methyl Iodide
Concen: 19.788 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:142 Resp: 42786

Ion	Ratio	Lower	Upper
142	100		
127	52.9	41.8	62.8
141	14.8	11.5	17.3





#11
Tert butyl alcohol
Concen: 89.904 ug/l m
RT: 3.001 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 59 Resp: 29819

Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.8	13.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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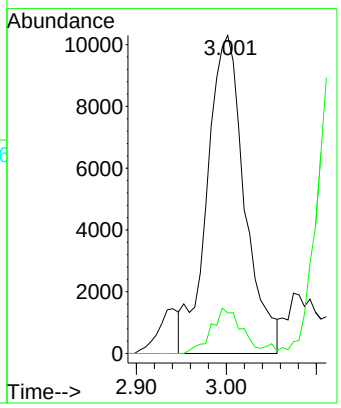
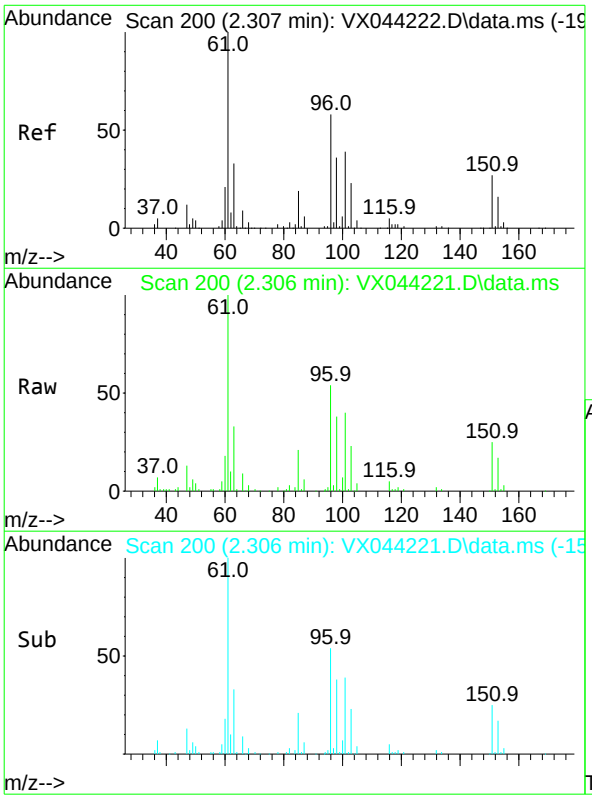
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

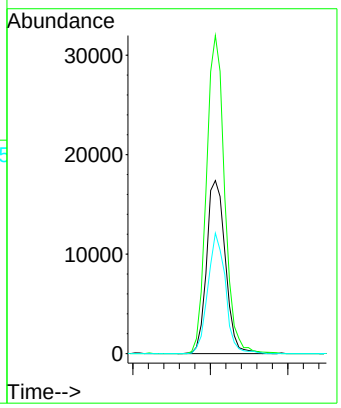


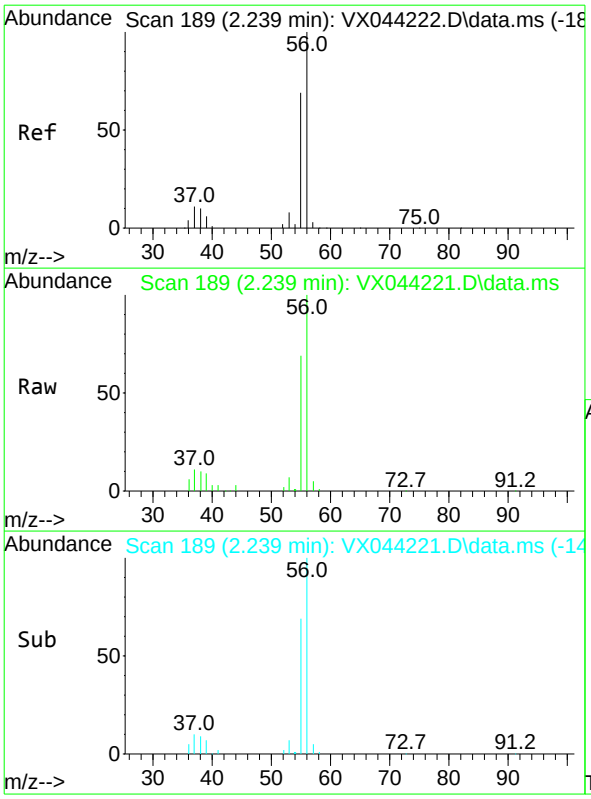


#12
1,1-Dichloroethene
Concen: 19.405 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 96 Resp: 29241

Ion	Ratio	Lower	Upper
96	100		
61	183.9	138.0	207.0
98	69.6	50.0	75.0





#13
Acrolein
Concen: 91.311 ug/l
RT: 2.239 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 56 Resp: 43909

Ion	Ratio	Lower	Upper
56	100		
55	68.6	56.6	84.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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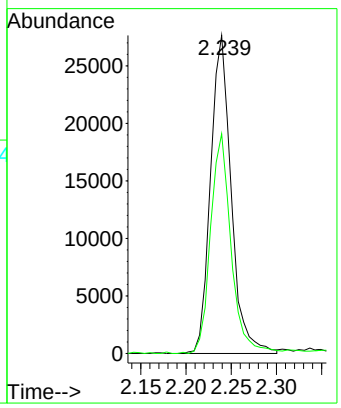
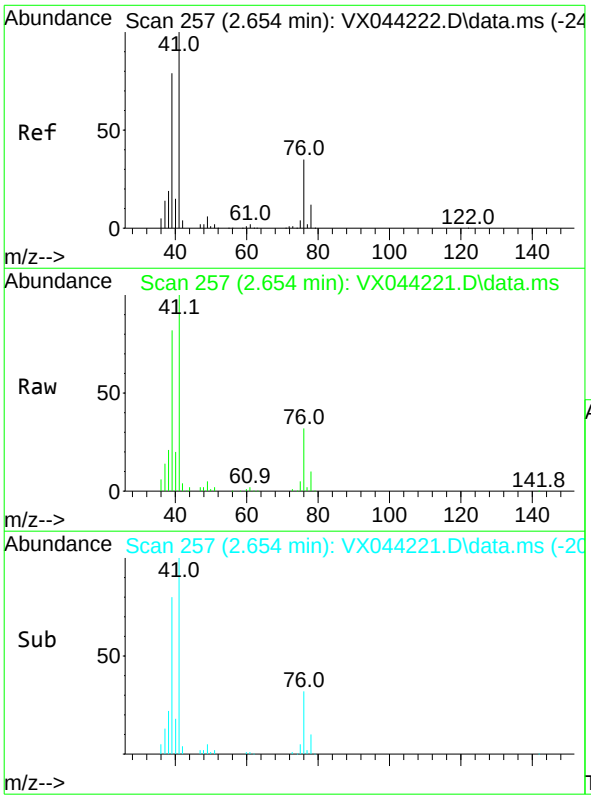
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

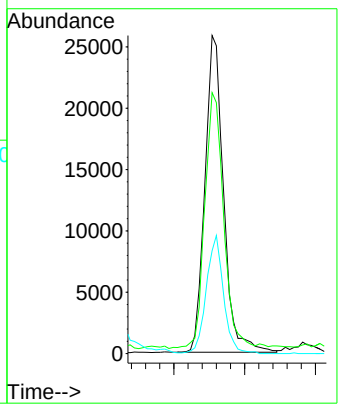


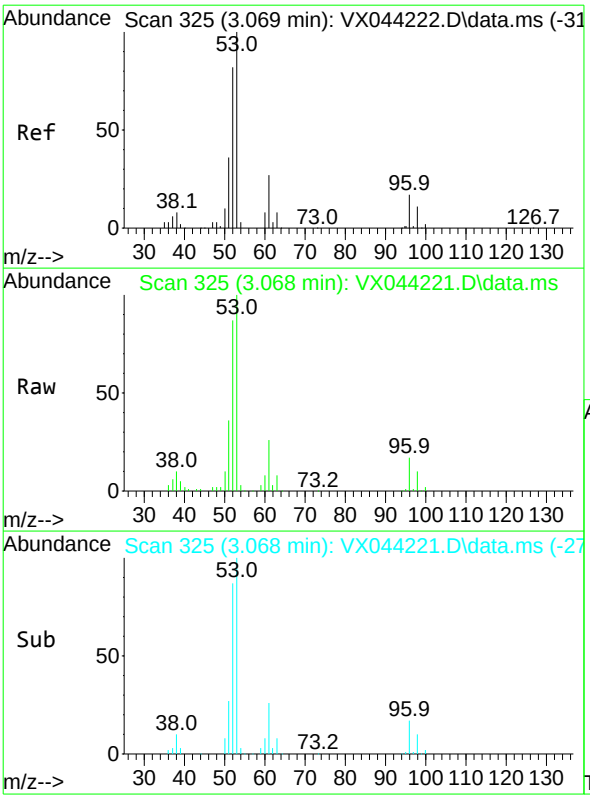


#14
Allyl chloride
Concen: 18.813 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 41 Resp: 47218

Ion	Ratio	Lower	Upper
41	100		
39	80.4	61.9	92.9
76	34.5	27.4	41.2





#15
Acrylonitrile
Concen: 96.988 ug/l
RT: 3.068 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 53 Resp: 89249

Ion	Ratio	Lower	Upper
53	100		
52	85.1	67.4	101.0
51	37.1	30.3	45.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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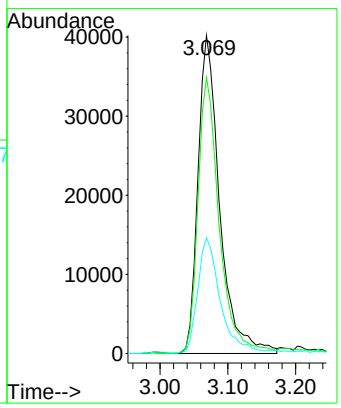
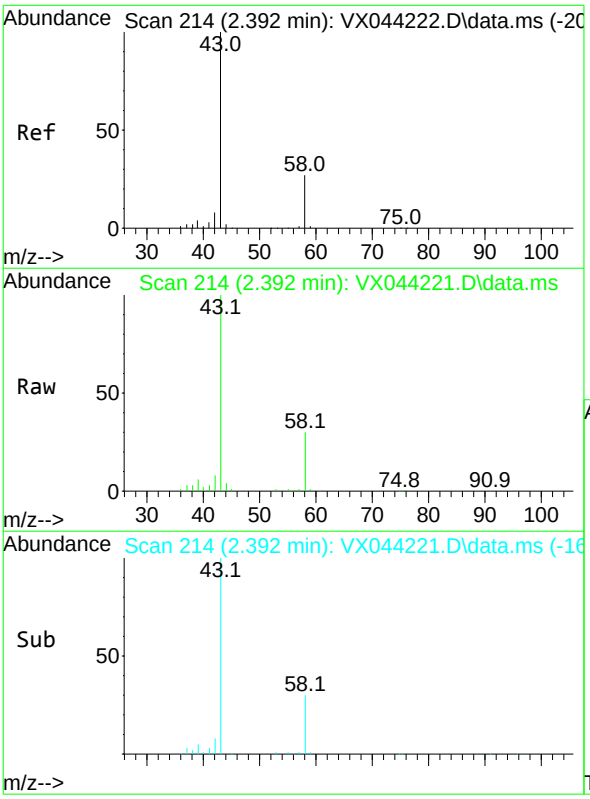
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

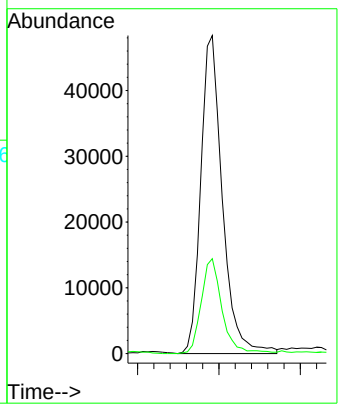


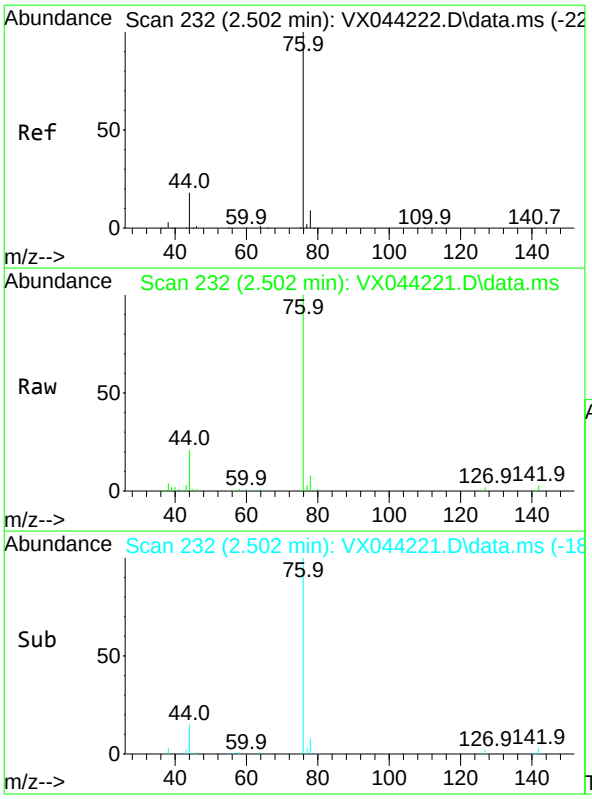


#16
Acetone
Concen: 92.601 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 88985

Ion	Ratio	Lower	Upper
43	100		
58	29.8	21.6	32.4





#17
Carbon Disulfide
Concen: 17.595 ug/l
RT: 2.502 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 76 Resp: 50399

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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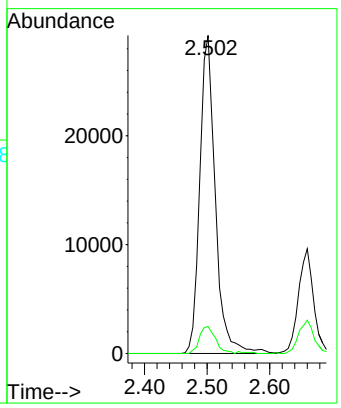
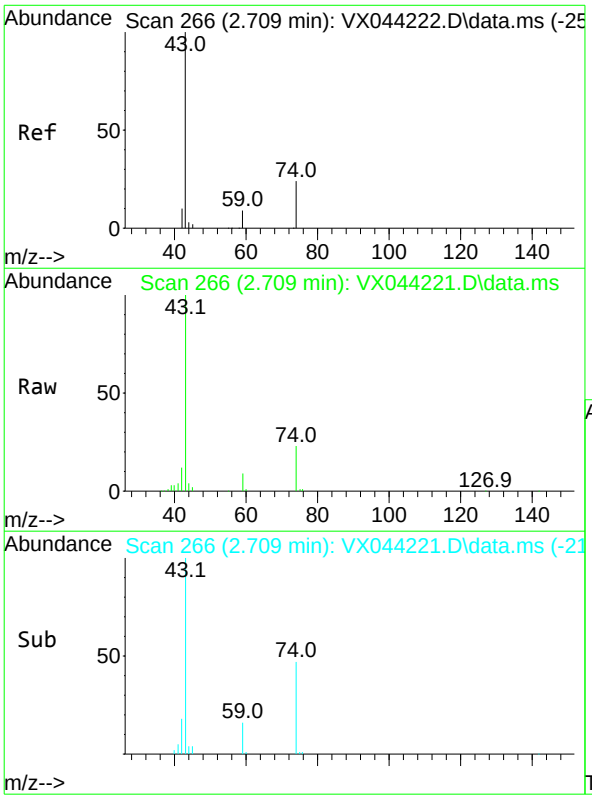
Supervised By :Mahesh Dadoda 12/12/2024

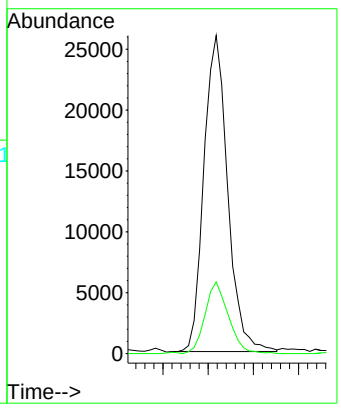


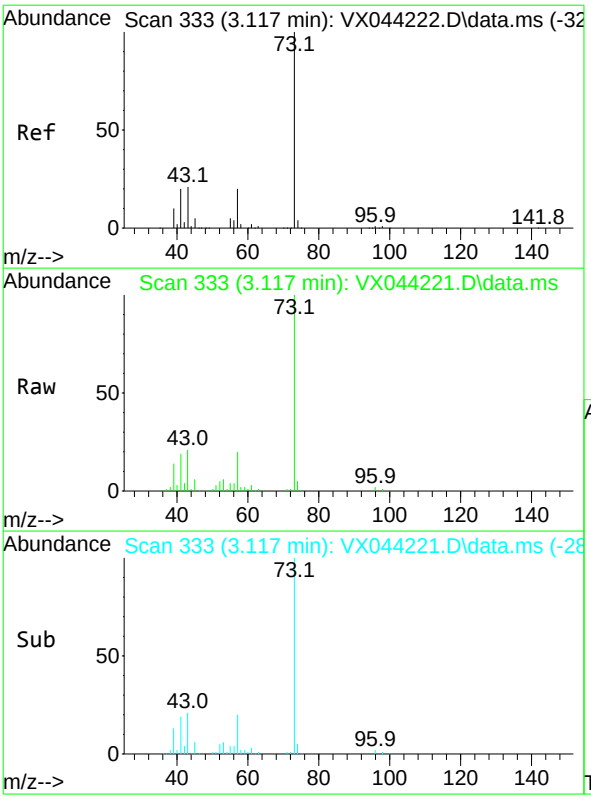


#18
Methyl Acetate
Concen: 19.175 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 47509

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.7	26.5





#19
Methyl tert-butyl Ether
Concen: 19.450 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 73 Resp: 114371

Ion	Ratio	Lower	Upper
73	100		
57	20.4	16.2	24.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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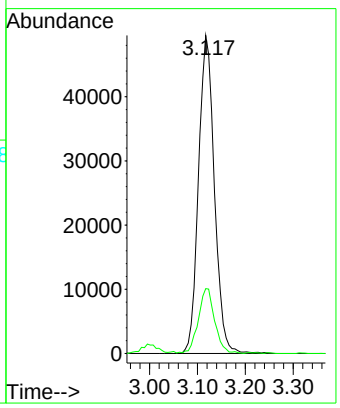
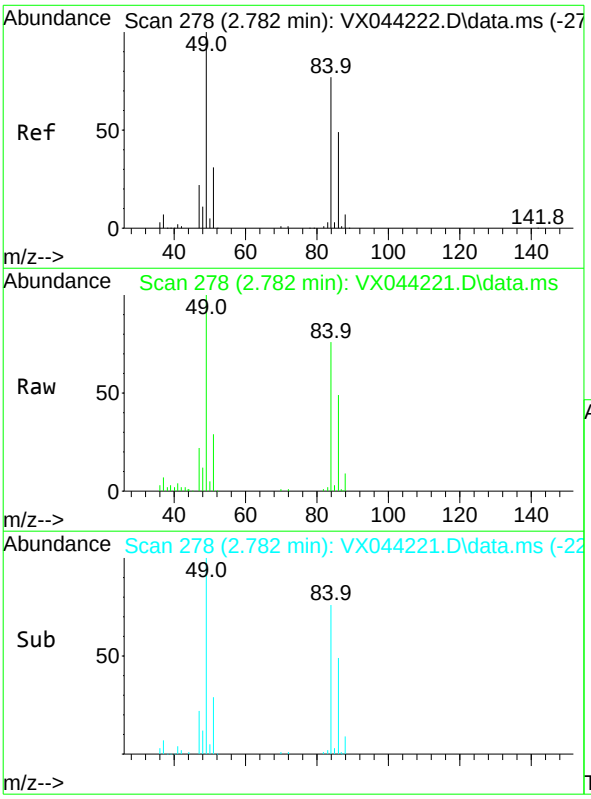
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

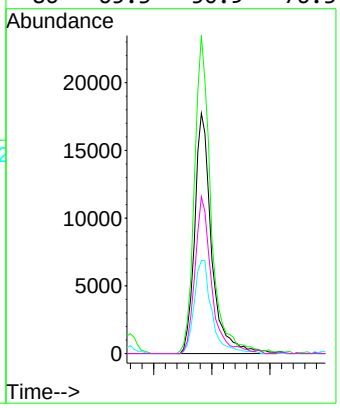


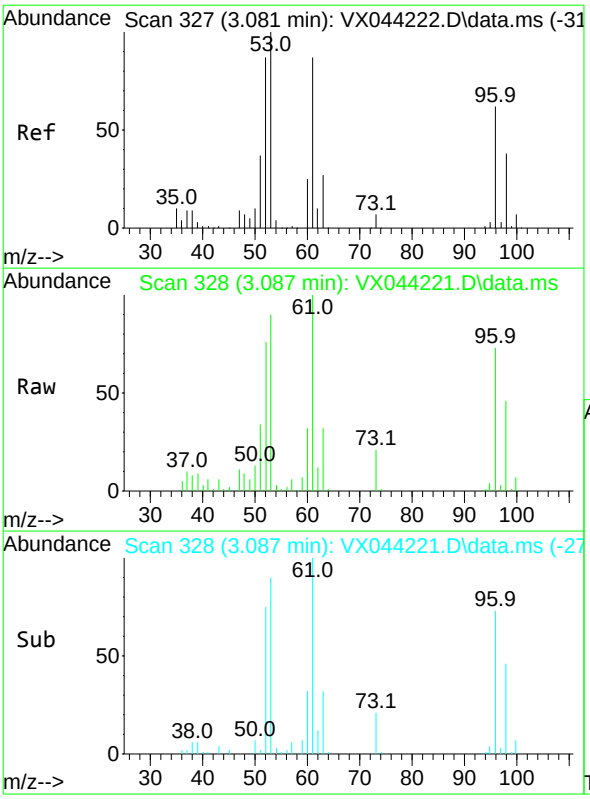


#20
Methylene Chloride
Concen: 19.846 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 84 Resp: 35820

Ion	Ratio	Lower	Upper
84	100		
49	132.3	104.2	156.4
51	38.7	32.2	48.4
86	65.3	50.9	76.3





#21
trans-1,2-Dichloroethene
Concen: 19.380 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 96 Resp: 31036

Ion	Ratio	Lower	Upper
96	100		
61	136.8	112.0	168.0
98	63.2	48.8	73.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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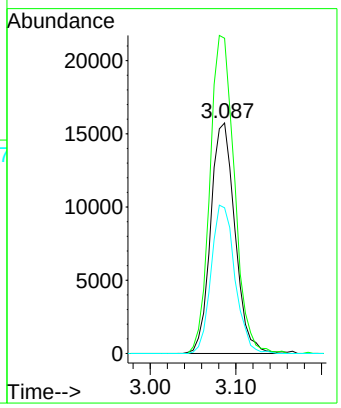
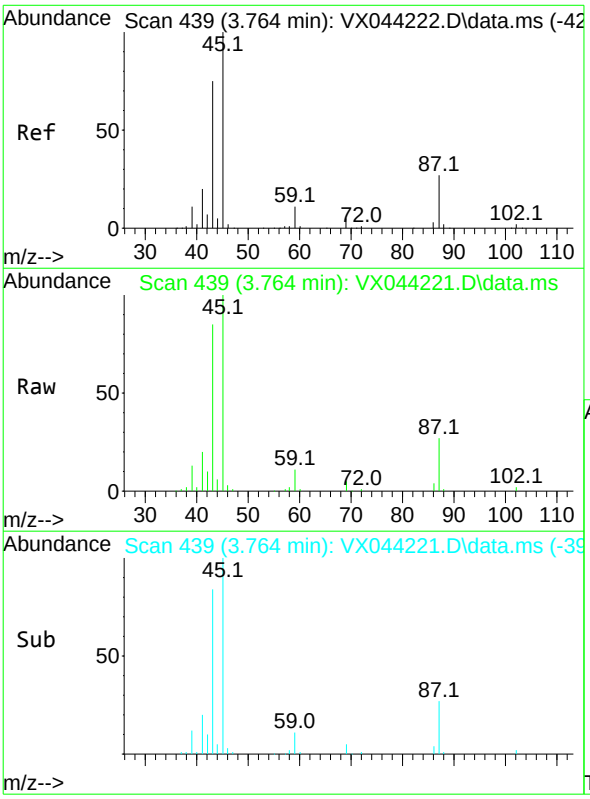
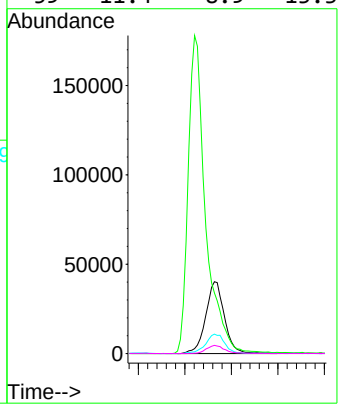


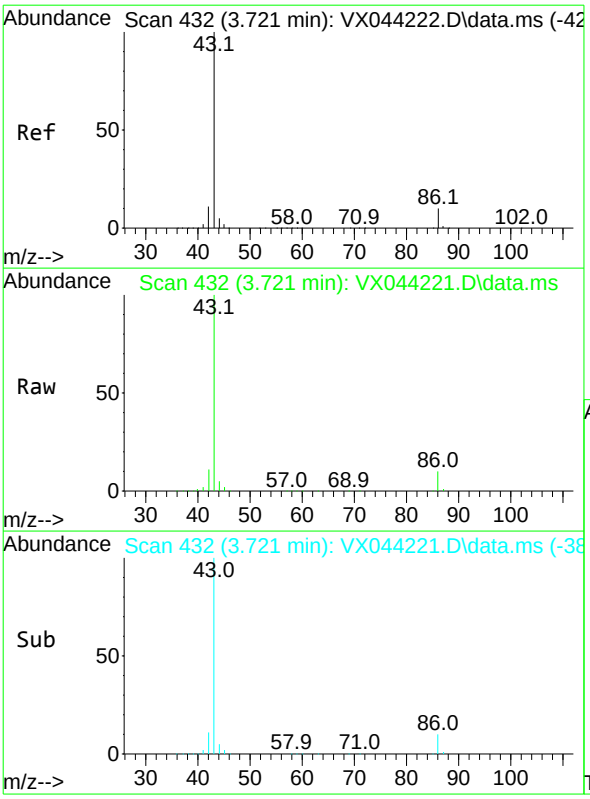


#22
Diisopropyl ether
Concen: 19.907 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 45 Resp: 112511

Ion	Ratio	Lower	Upper
45	100		
43	82.8	60.2	90.2
87	27.1	21.2	31.8
59	11.4	8.9	13.3





#23
Vinyl Acetate
Concen: 101.354 ug/l
RT: 3.721 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 465716

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.2	12.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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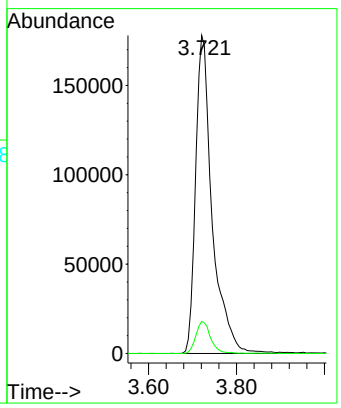
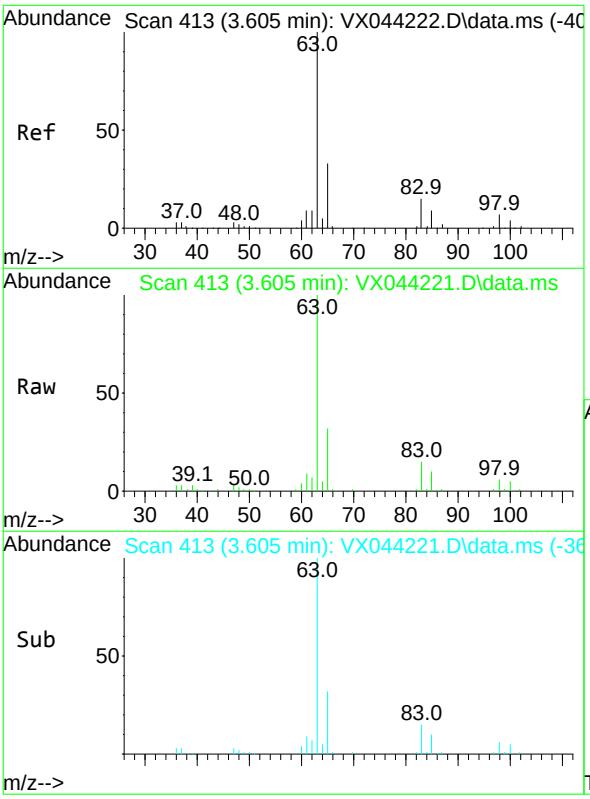
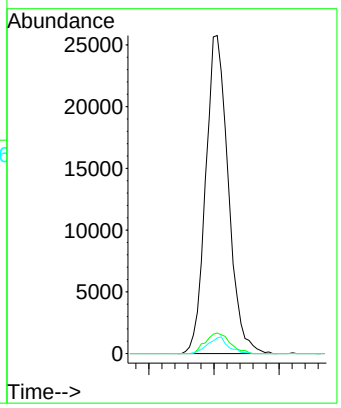


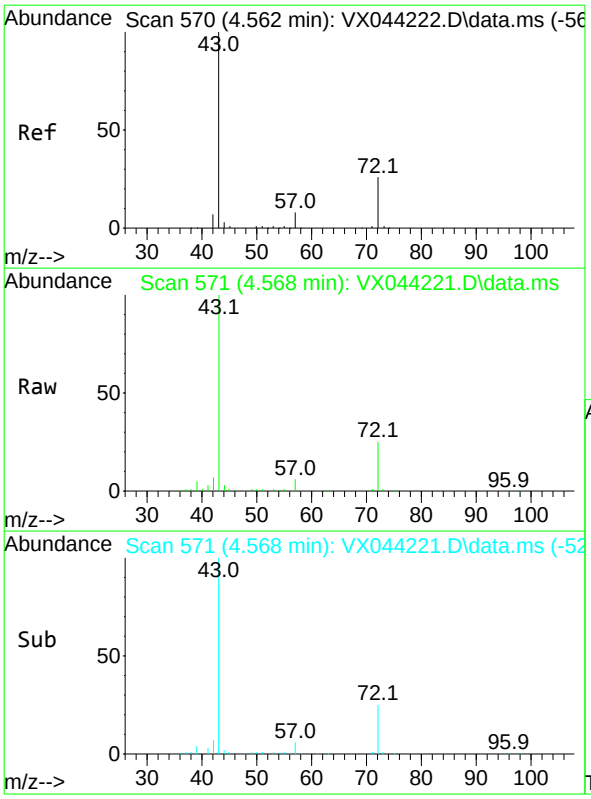


#24
1,1-Dichloroethane
Concen: 19.699 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 63 Resp: 62059

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.6	10.8
100	4.9	2.1	6.3





#25
2-Butanone
Concen: 100.277 ug/l
RT: 4.568 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 136992

Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.2	30.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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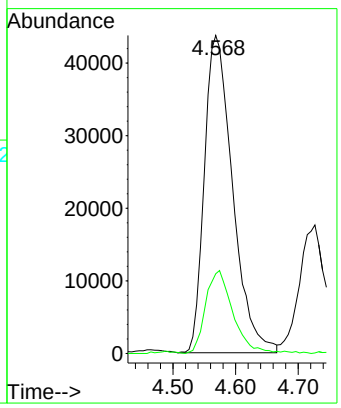
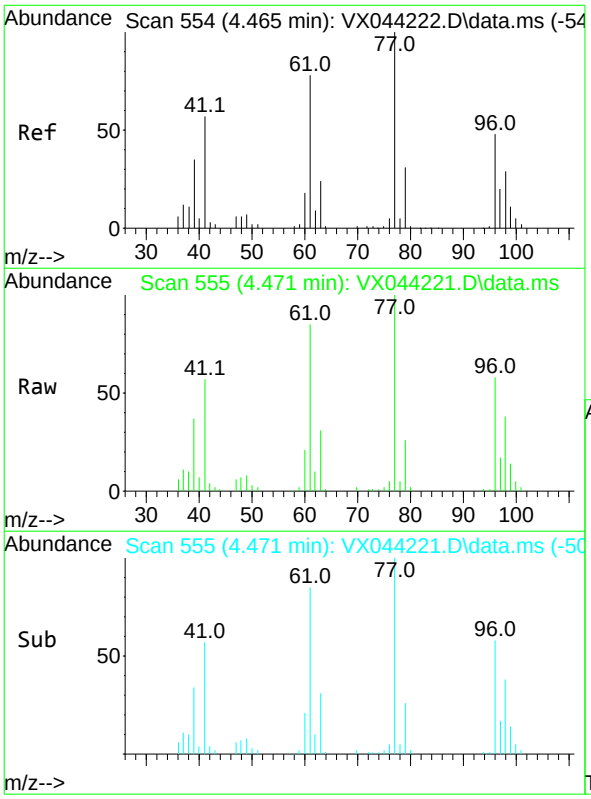
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

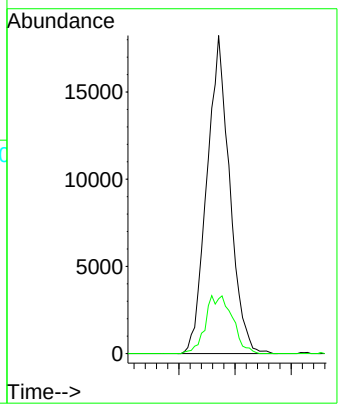


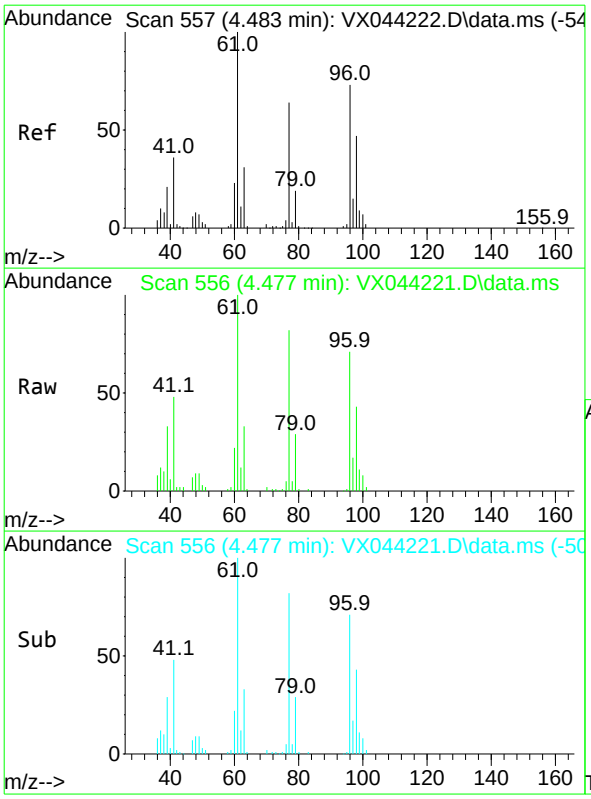


#26
2,2-Dichloropropane
Concen: 20.095 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 77 Resp: 51431

Ion	Ratio	Lower	Upper
77	100		
97	9.1	10.7	32.1#





#27
cis-1,2-Dichloroethene
Concen: 19.254 ug/l
RT: 4.477 min Scan# 55
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 96 Resp: 39161

Ion	Ratio	Lower	Upper
96	100		
61	147.6	0.0	299.0
98	65.5	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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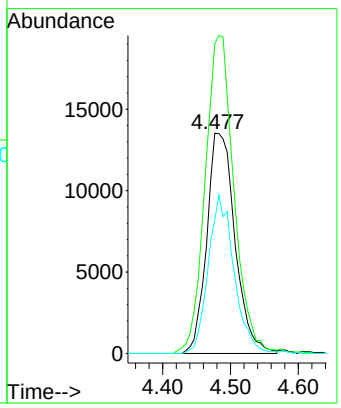
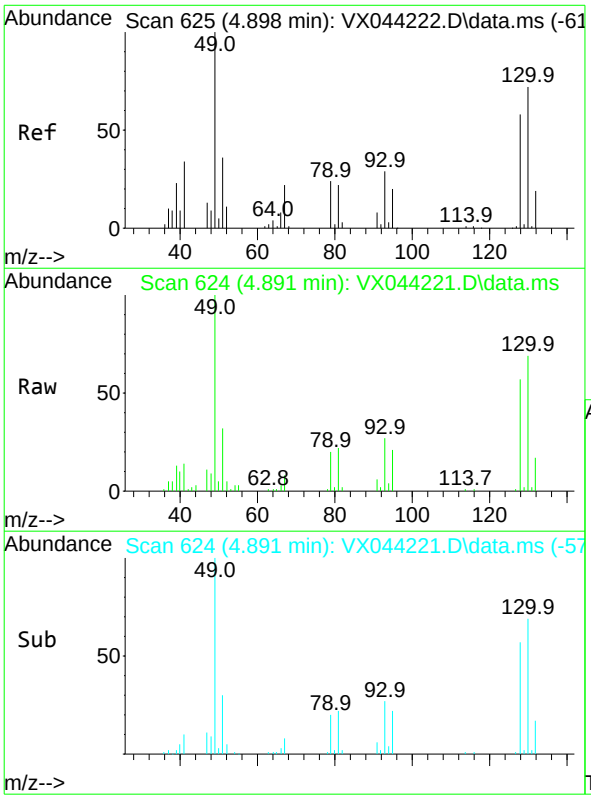
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

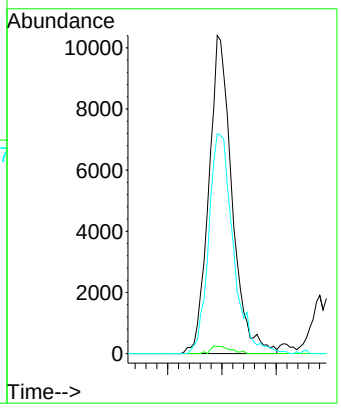


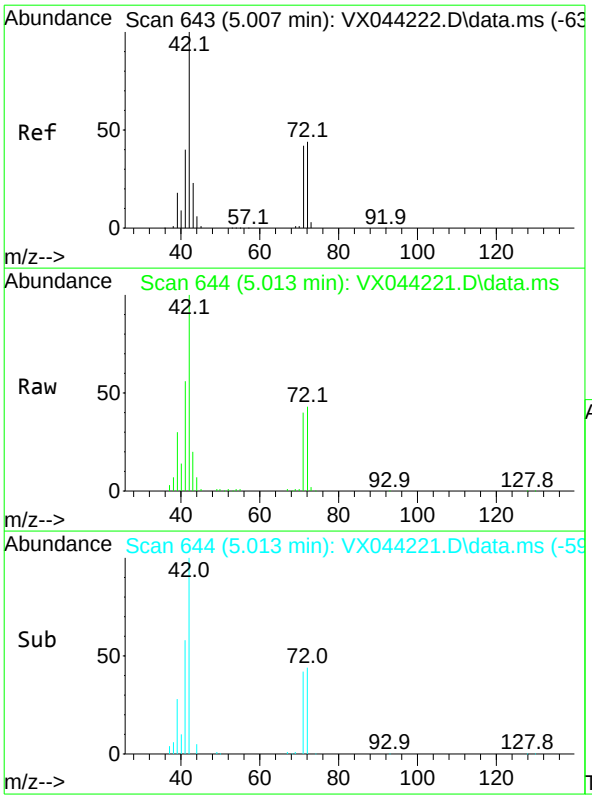


#28
Bromochloromethane
Concen: 20.052 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 49 Resp: 30977

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	73.1	62.1	93.1





#29
Tetrahydrofuran
Concen: 98.343 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 42 Resp: 86235

Ion	Ratio	Lower	Upper
42	100		
72	45.2	37.0	55.6
71	41.1	33.6	50.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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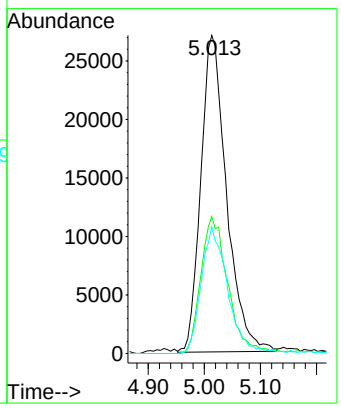
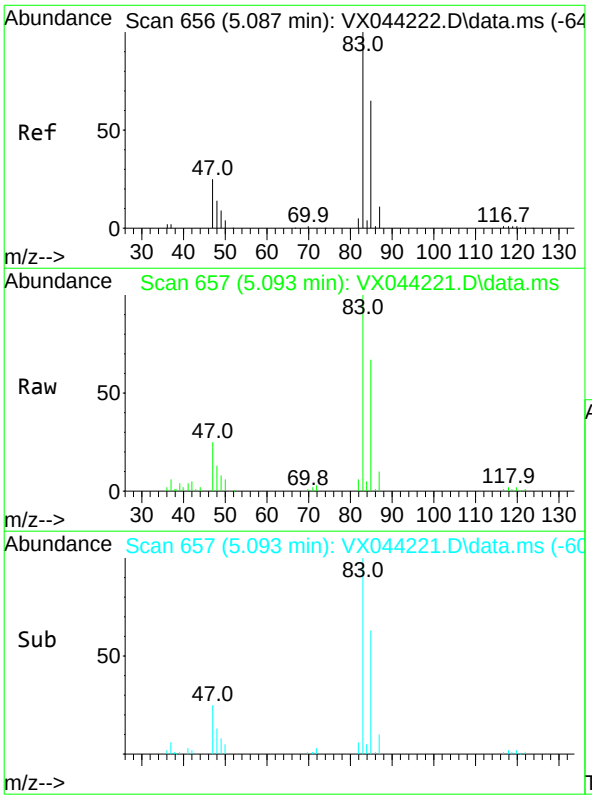
Supervised By :Mahesh Dadoda 12/12/2024

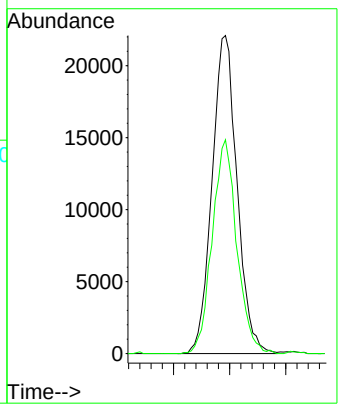


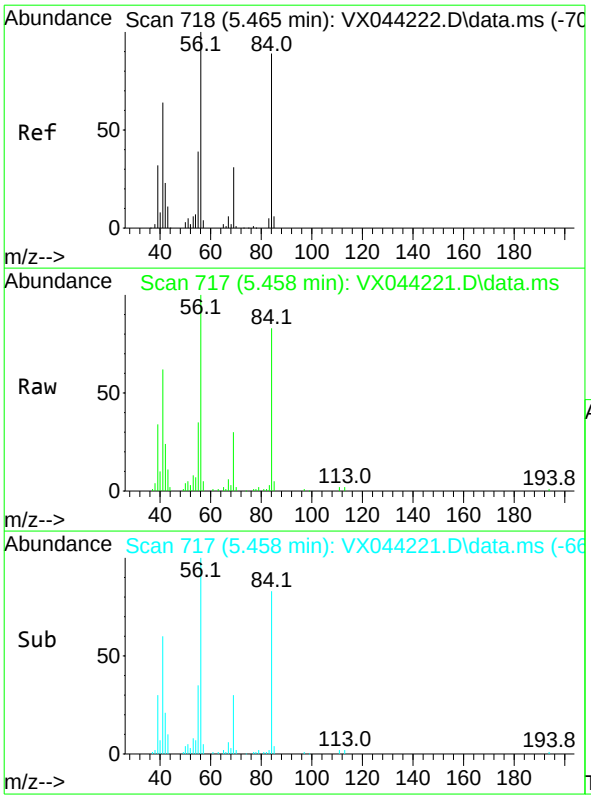


#30
Chloroform
Concen: 19.327 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 83 Resp: 68410

Ion	Ratio	Lower	Upper
83	100		
85	67.2	51.6	77.4





#31
Cyclohexane
Concen: 20.351 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 56 Resp: 51773

Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.7	37.1
84	80.7	71.0	106.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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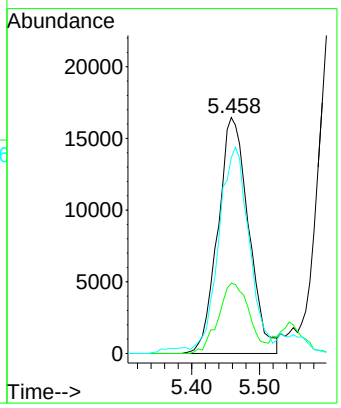
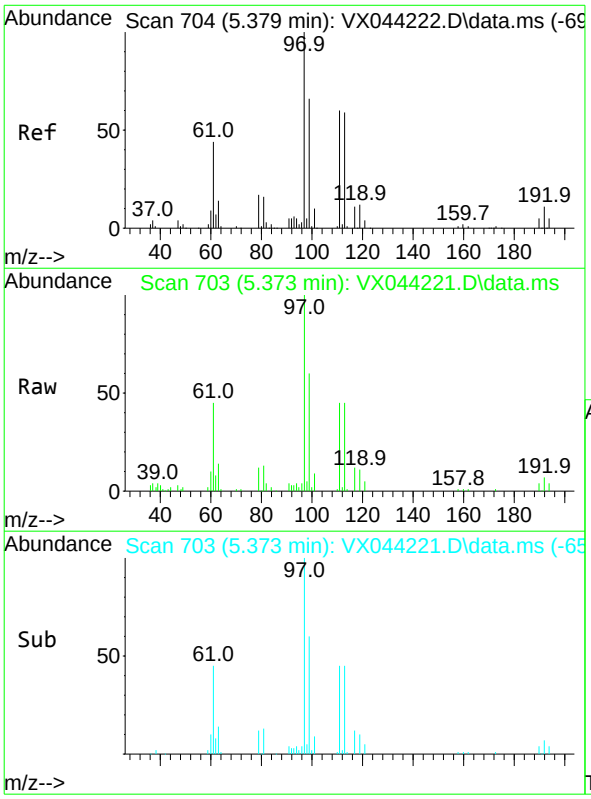
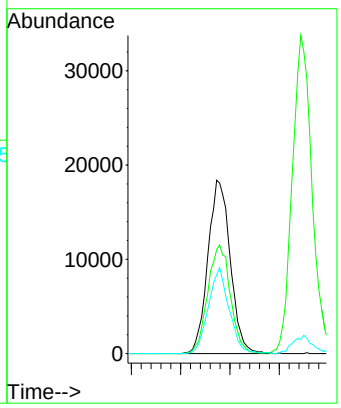


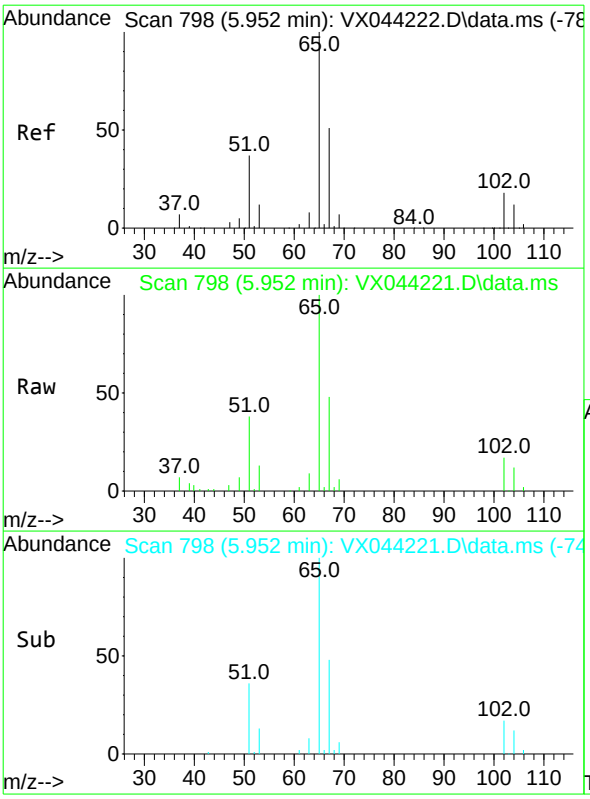


#32
1,1,1-Trichloroethane
Concen: 19.706 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 97 Resp: 57900

Ion	Ratio	Lower	Upper
97	100		
99	63.0	50.8	76.2
61	45.7	35.2	52.8





#33
1,2-Dichloroethane-d4
Concen: 17.743 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 65 Resp: 41821

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	101.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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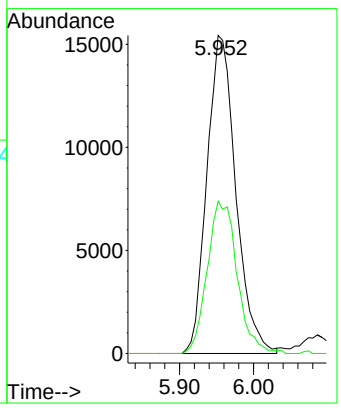
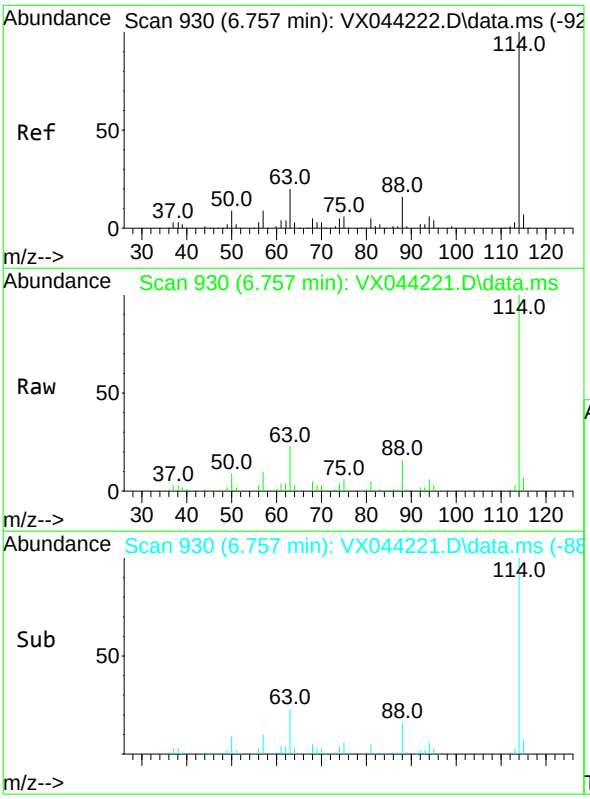
Supervised By :Mahesh Dadoda 12/12/2024

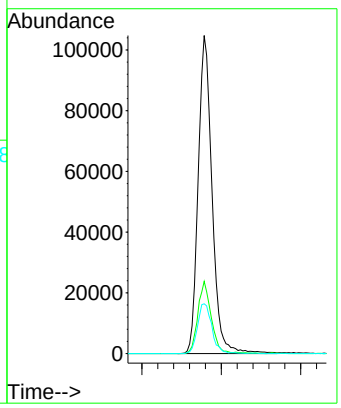


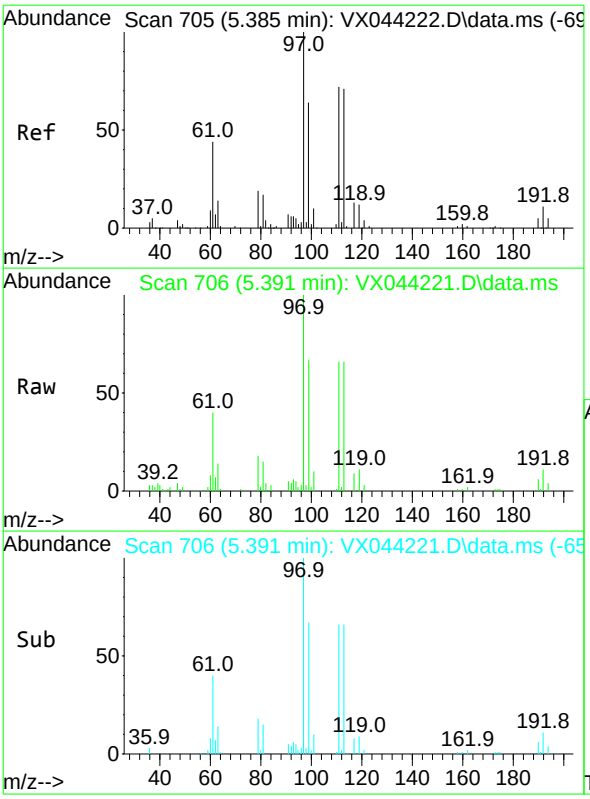


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:114 Resp: 254199

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	40.6
88	15.7	0.0	31.8





#35
Dibromofluoromethane
Concen: 17.213 ug/l
RT: 5.391 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:113 Resp: 30304

Ion	Ratio	Lower	Upper
113	100		
111	100.9	80.4	120.6
192	16.7	13.3	19.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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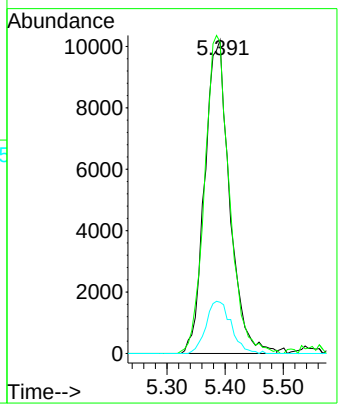
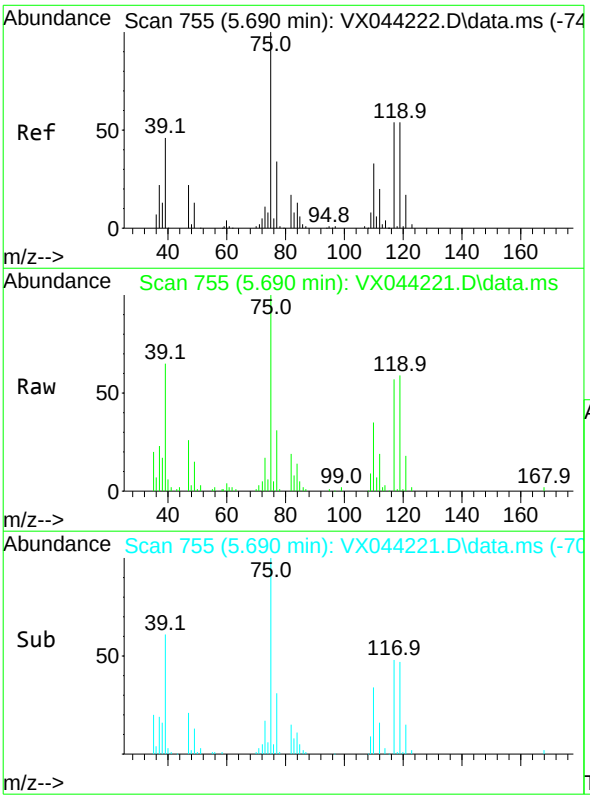
Supervised By :Mahesh Dadoda 12/12/2024

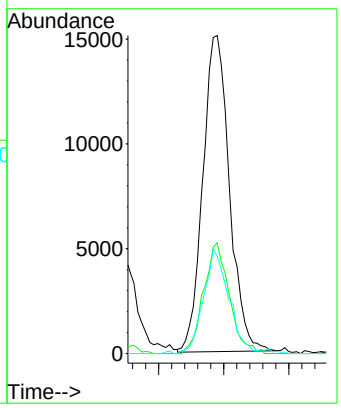


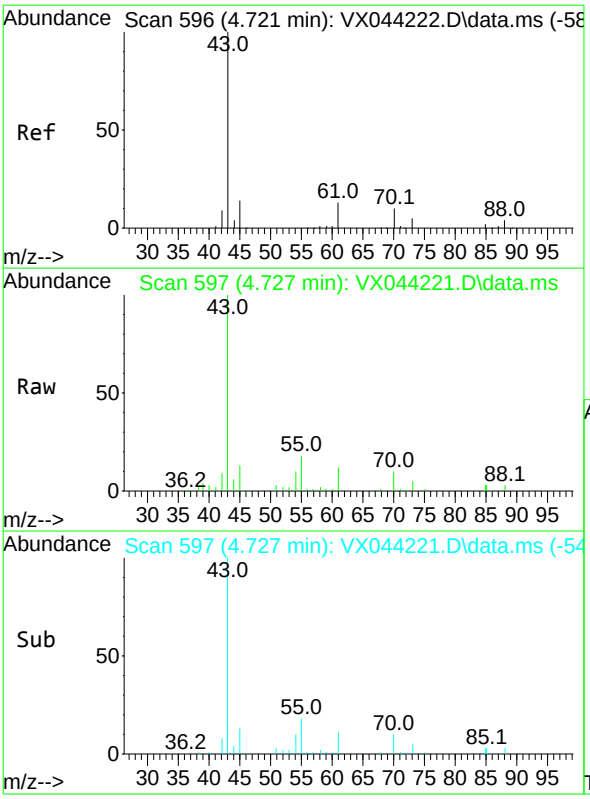


#36
1,1-Dichloropropene
Concen: 18.841 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 75 Resp: 42878

Ion	Ratio	Lower	Upper
75	100		
110	33.7	17.3	51.7
77	31.3	25.4	38.0





#37
Ethyl Acetate
Concen: 19.913 ug/l
RT: 4.727 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 56019

Ion	Ratio	Lower	Upper
43	100		
61	11.8	9.8	14.8
70	9.9	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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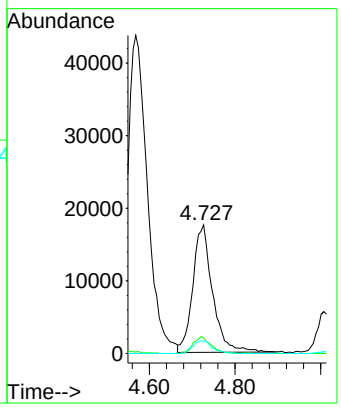
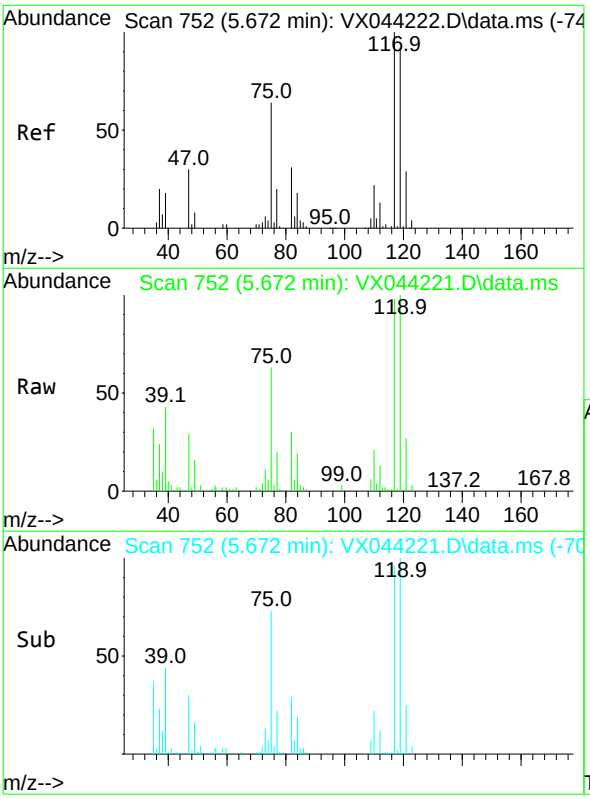
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

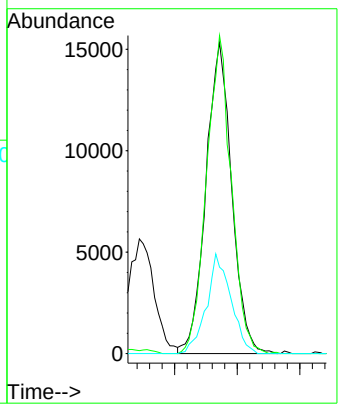


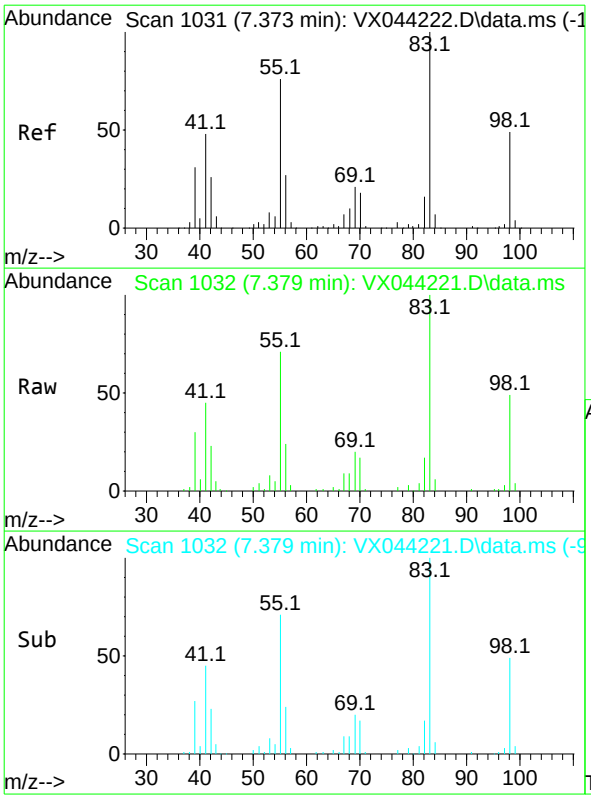


#38
Carbon Tetrachloride
Concen: 17.918 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:117 Resp: 43901

Ion	Ratio	Lower	Upper
117	100		
119	102.3	74.2	111.4
121	27.8	23.0	34.6





#39
Methylcyclohexane
Concen: 19.678 ug/l
RT: 7.379 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 83 Resp: 53536

Ion	Ratio	Lower	Upper
83	100		
55	71.4	60.7	91.1
98	48.7	38.9	58.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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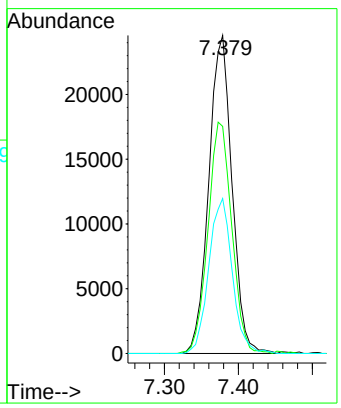
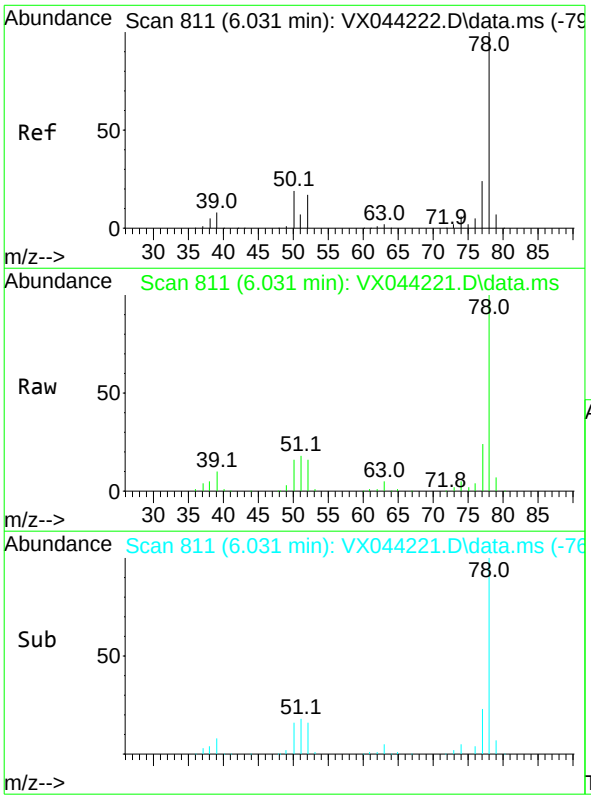
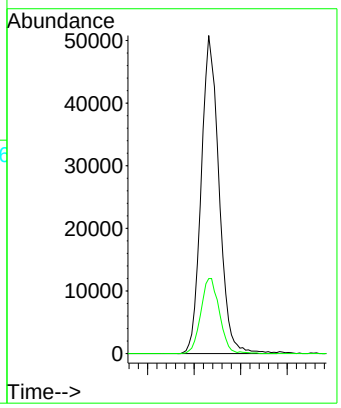


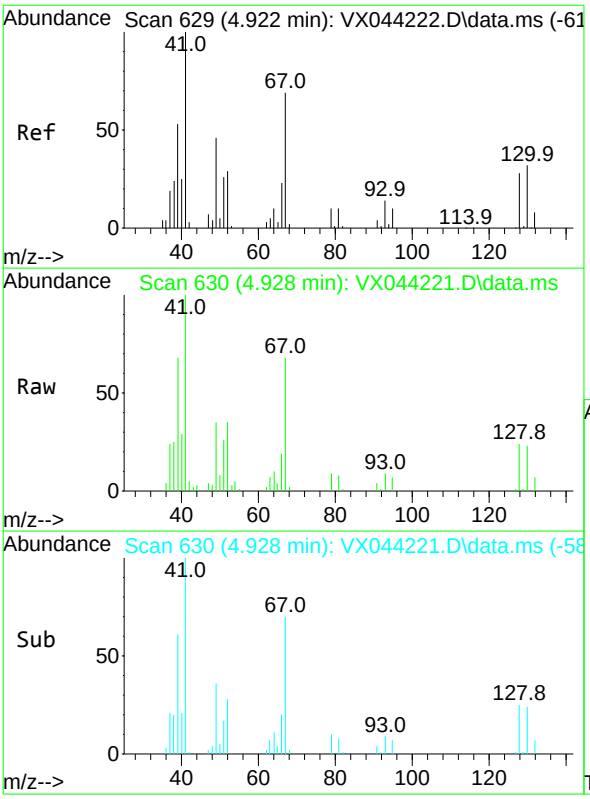


#40
Benzene
Concen: 19.606 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 78 Resp: 135467

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.3	28.9

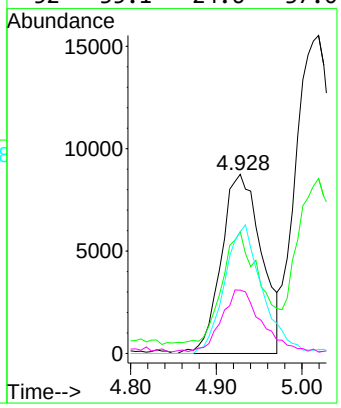




#41
Methacrylonitrile
Concen: 19.095 ug/l
RT: 4.928 min Scan# 63
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 41 Resp: 28523

Ion	Ratio	Lower	Upper
41	100		
39	59.0	44.2	66.4
67	67.6	57.2	85.8
52	35.1	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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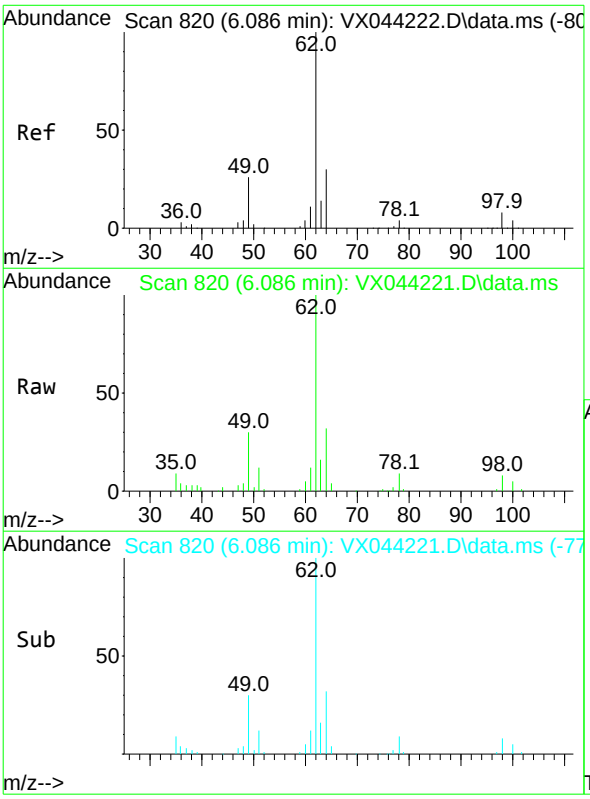
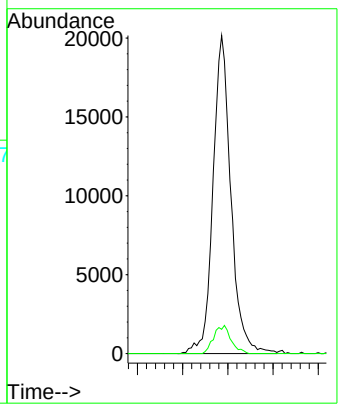
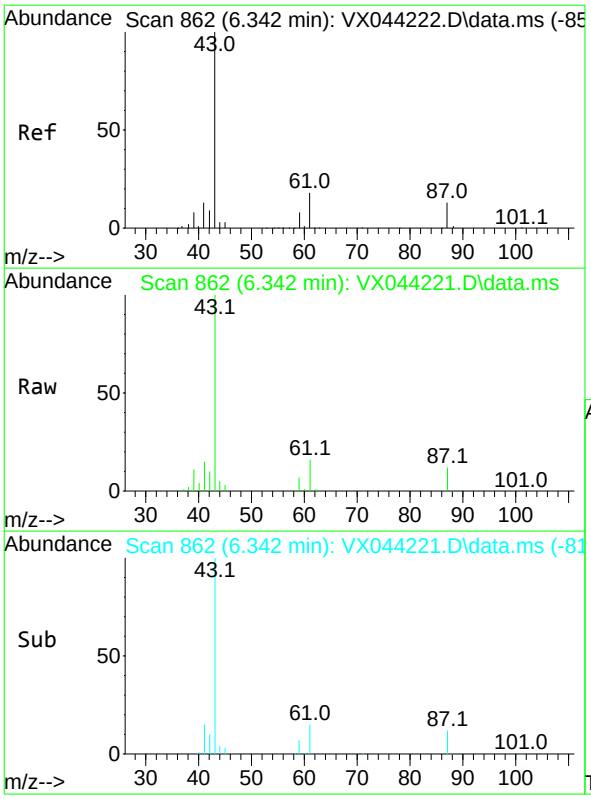


#42
1,2-Dichloroethane
Concen: 19.456 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 62 Resp: 55377

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	15.8





#43
Isopropyl Acetate
Concen: 19.301 ug/l
RT: 6.342 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 84866

Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.2	21.2
87	12.5	10.2	15.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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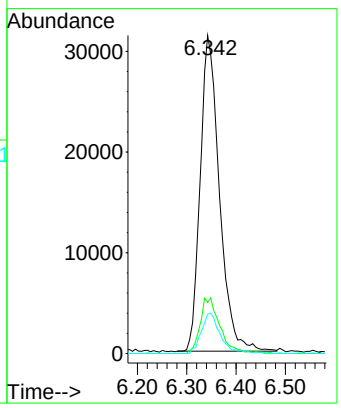
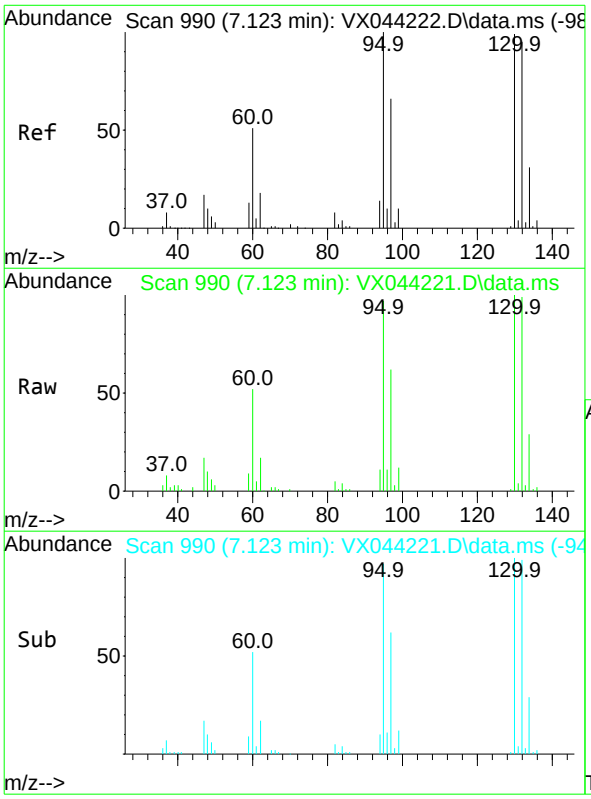
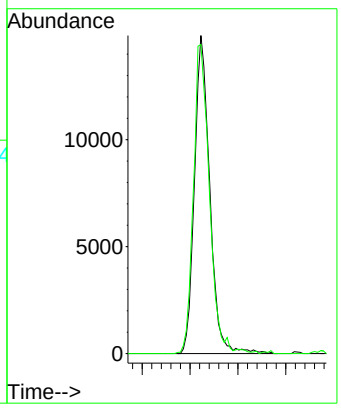


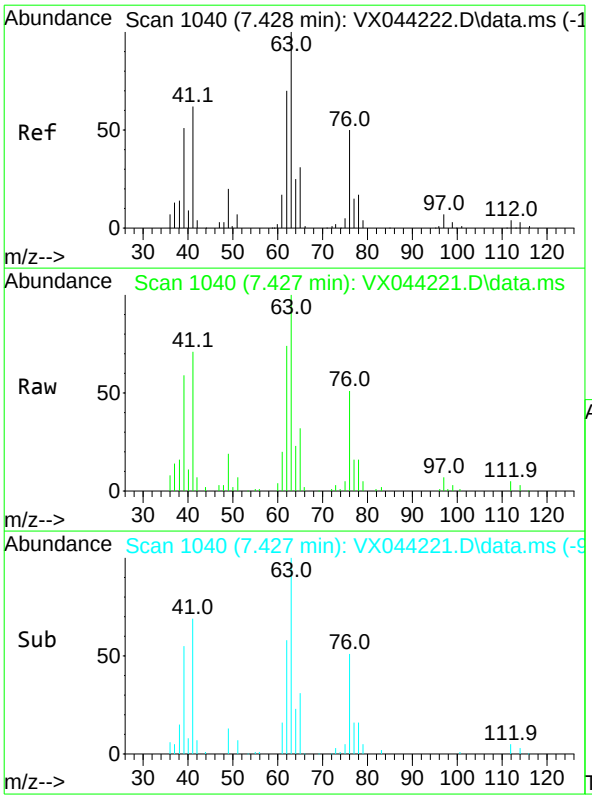


#44
Trichloroethene
Concen: 19.149 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:130 Resp: 32995

Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	201.4





#45
1,2-Dichloropropane
Concen: 19.025 ug/l
RT: 7.427 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 63 Resp: 33585

Ion	Ratio	Lower	Upper
63	100		
65	32.4	24.6	37.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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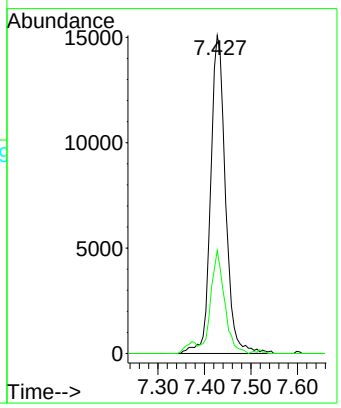
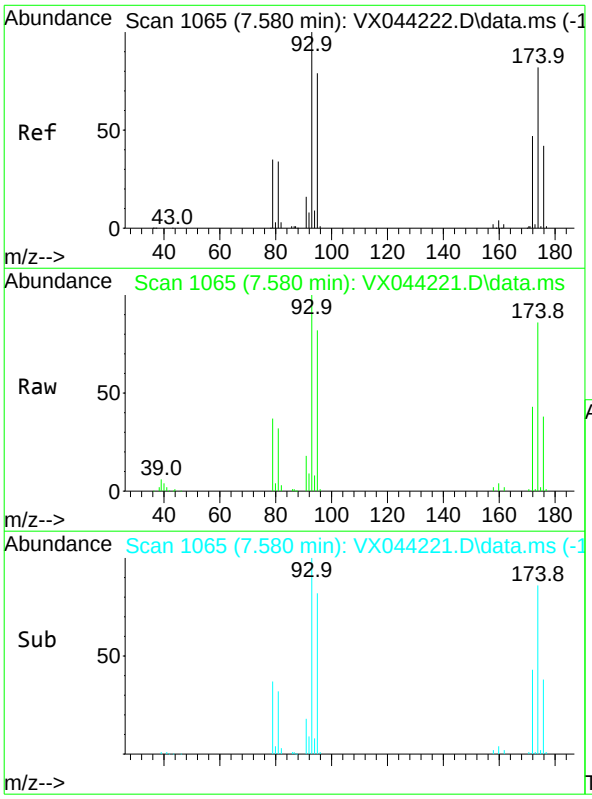
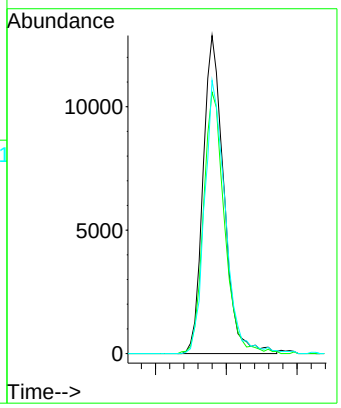


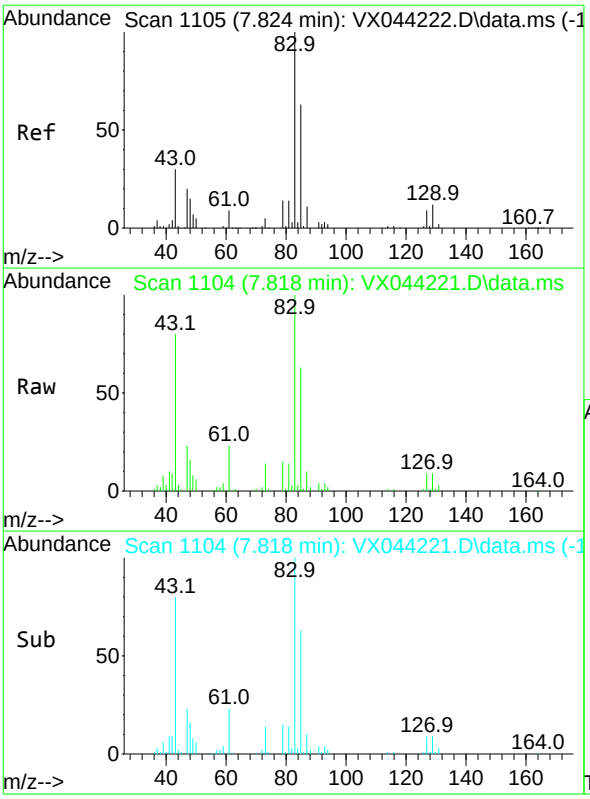


#46
Dibromomethane
Concen: 19.199 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 93 Resp: 26293

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.4	98.2
174	86.1	67.9	101.9





#47
Bromodichloromethane
Concen: 18.735 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 83 Resp: 44312

Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.6	75.8
127	8.6	7.3	10.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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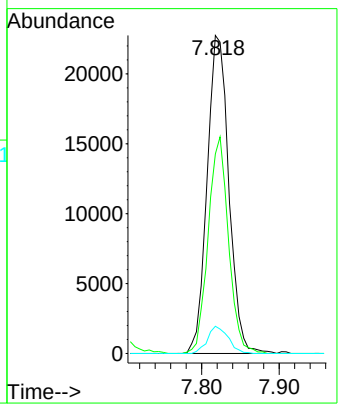
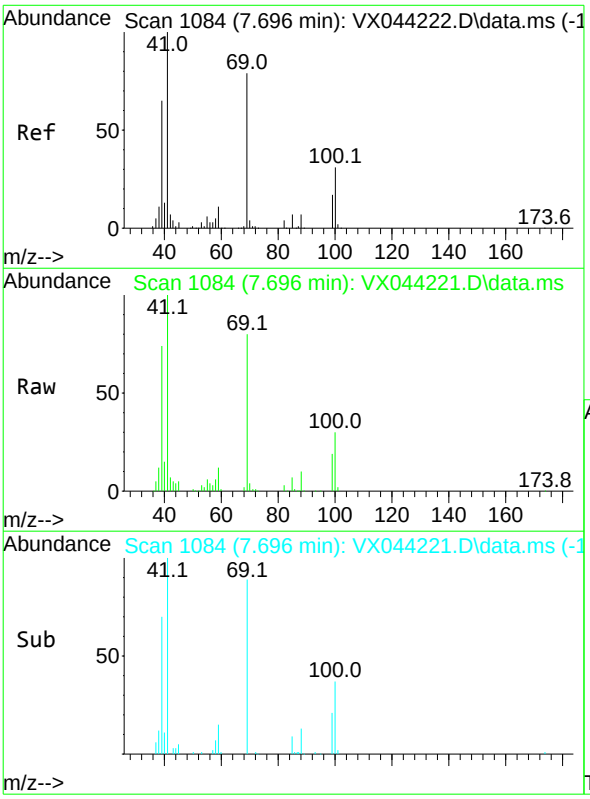
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

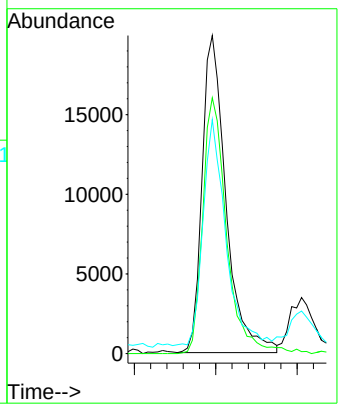


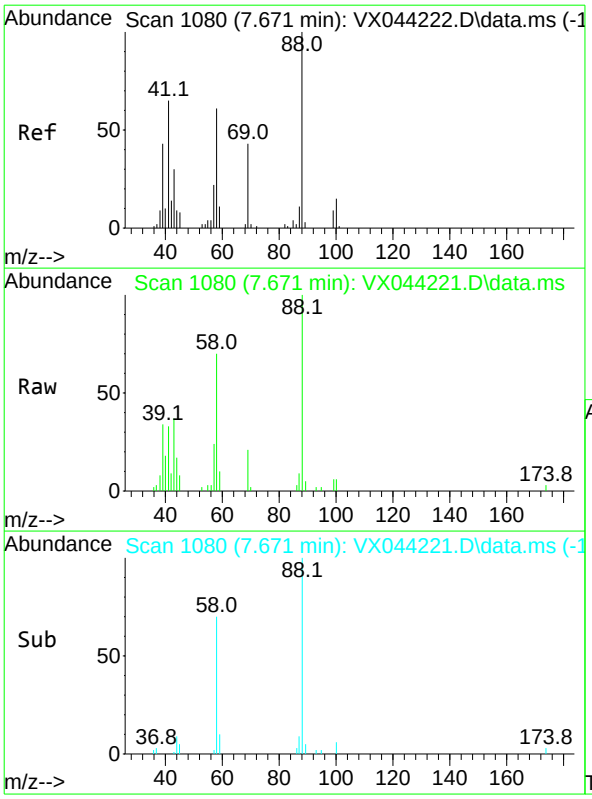


#48
Methyl methacrylate
Concen: 19.032 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 41 Resp: 40620

Ion	Ratio	Lower	Upper
41	100		
69	80.5	62.4	93.6
39	67.5	53.3	79.9





#49
1,4-Dioxane
Concen: 391.518 ug/l m
RT: 7.671 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 88 Resp: 14281

Ion	Ratio	Lower	Upper
88	100		
43	34.0	27.1	40.7
58	49.5	41.0	61.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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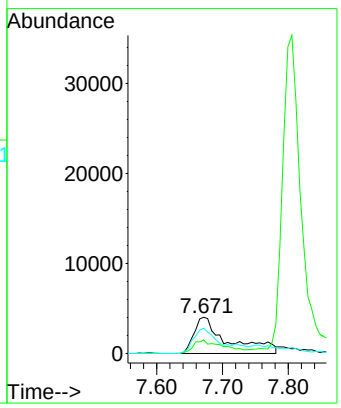
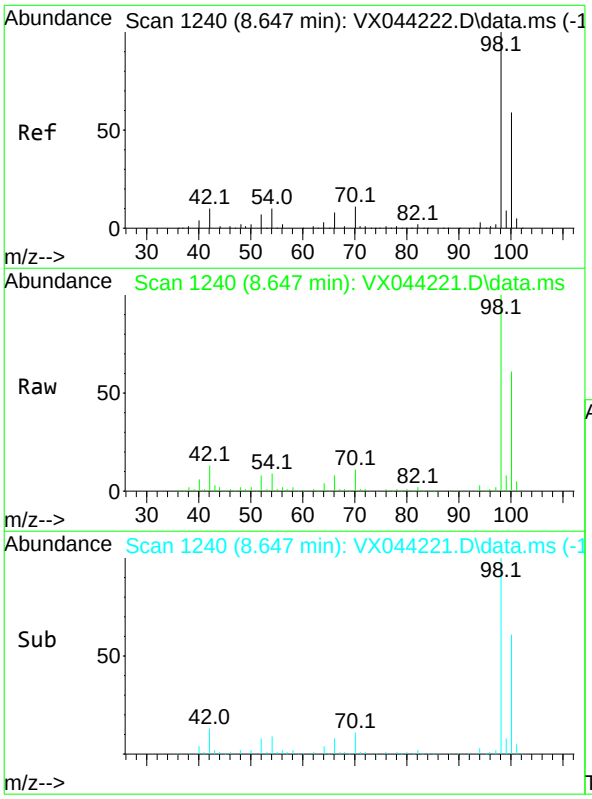
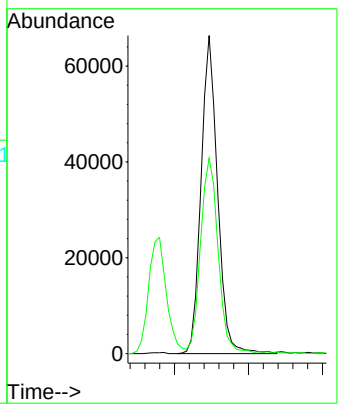


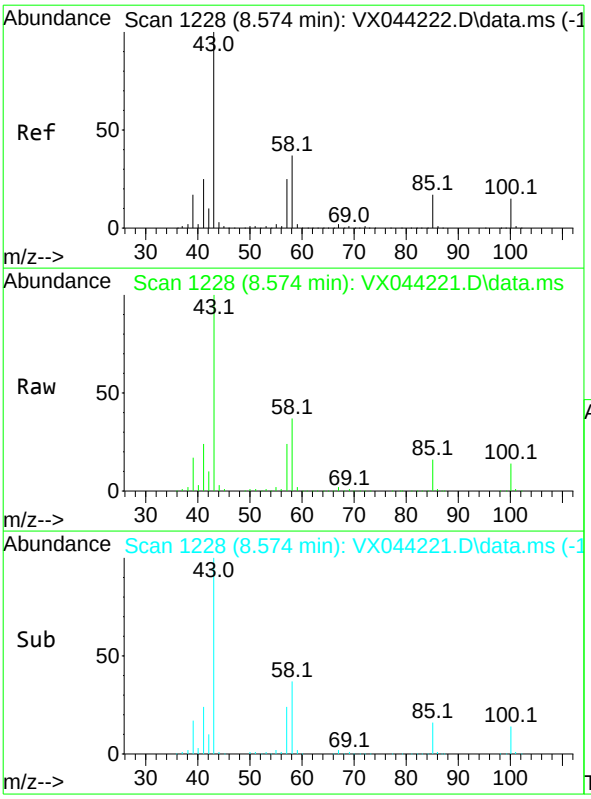


#50
Toluene-d8
Concen: 17.284 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 98 Resp: 102660

Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.5	77.3





#51
4-Methyl-2-Pentanone
Concen: 98.429 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 278267

Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.4	44.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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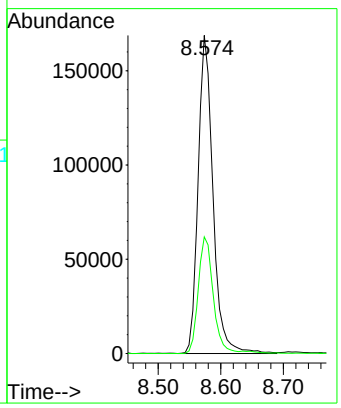
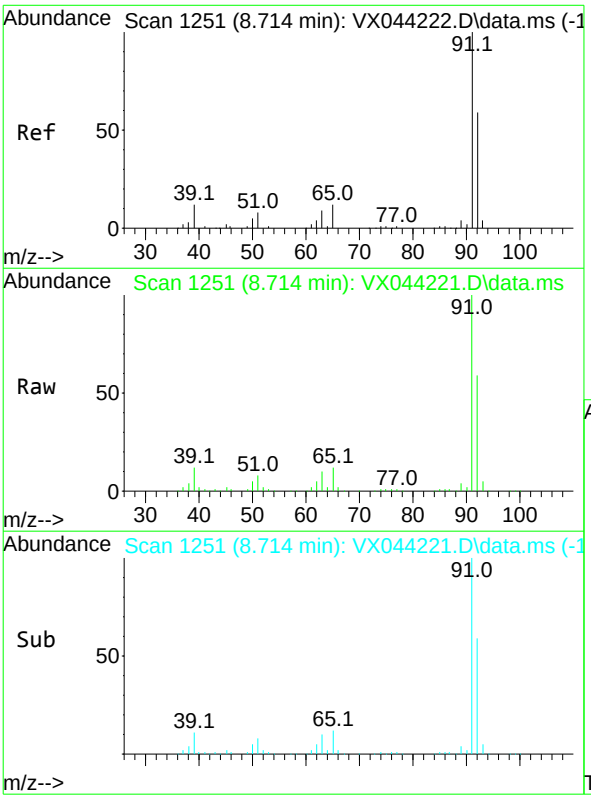
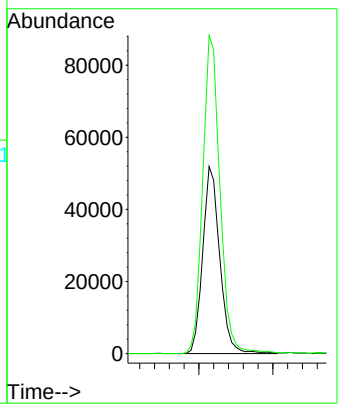


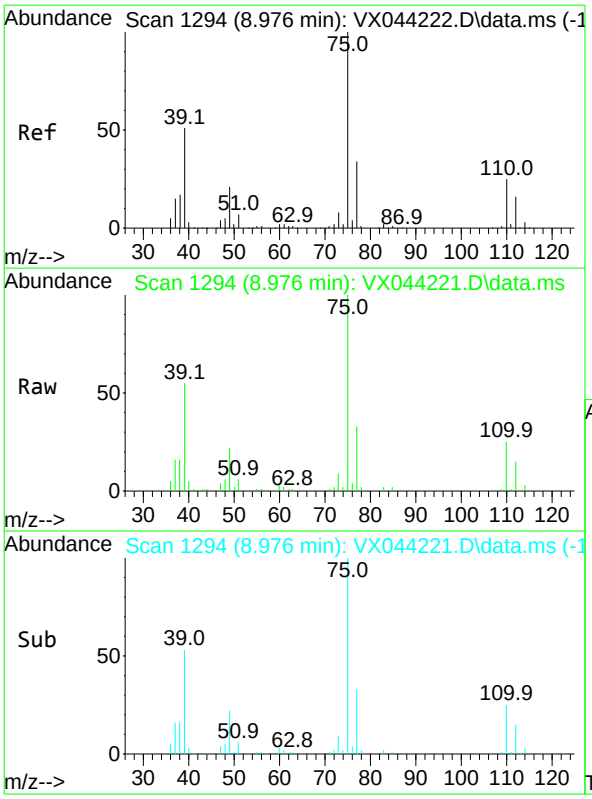


#52
Toluene
Concen: 19.113 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 92 Resp: 82934

Ion	Ratio	Lower	Upper
92	100		
91	172.9	137.0	205.6





#53
t-1,3-Dichloropropene
Concen: 18.785 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 75 Resp: 44614

Ion	Ratio	Lower	Upper
75	100		
77	32.6	27.2	40.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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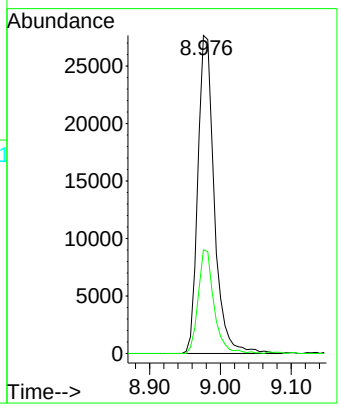
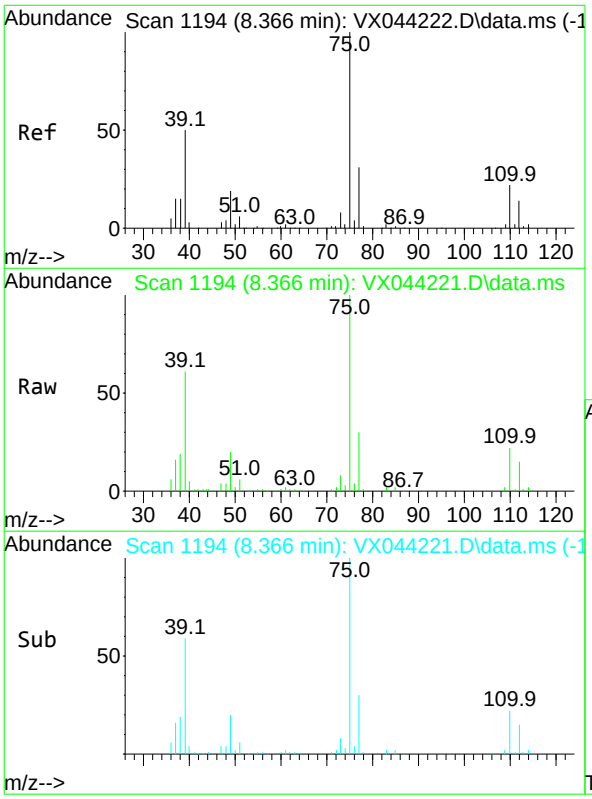
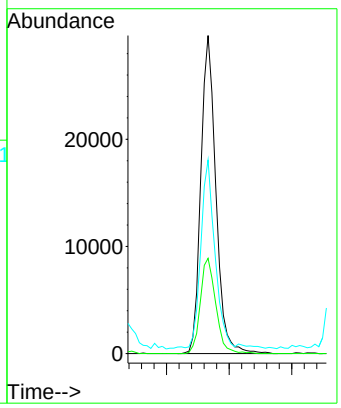


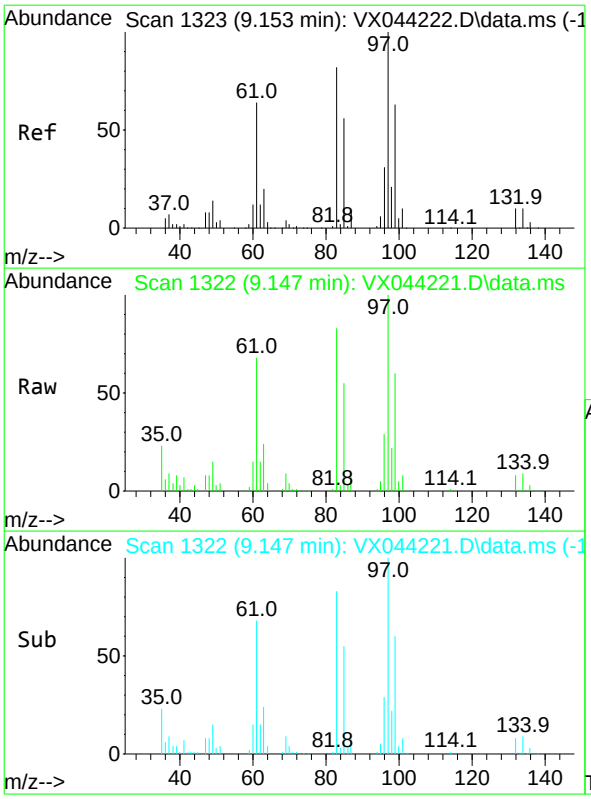


#54
cis-1,3-Dichloropropene
Concen: 19.258 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 75 Resp: 49596

Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.7	37.1
39	59.4	40.3	60.5





#55
1,1,2-Trichloroethane
Concen: 19.732 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 97 Resp: 34013

Ion	Ratio	Lower	Upper
97	100		
83	82.6	65.3	97.9
85	55.3	44.6	67.0
99	60.4	50.2	75.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 12/12/2024
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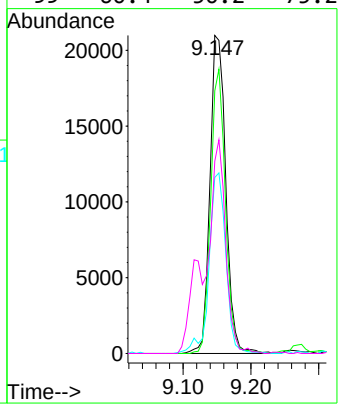
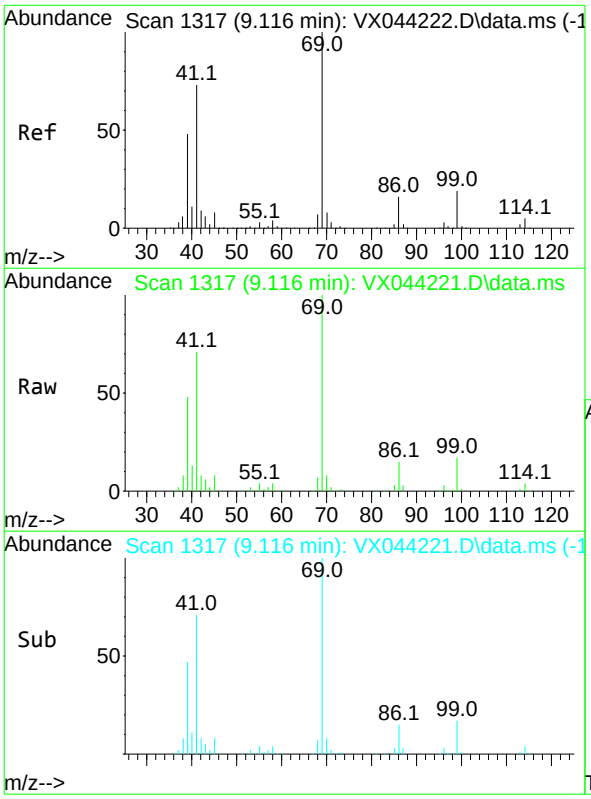
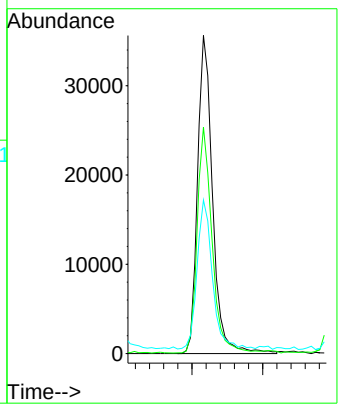


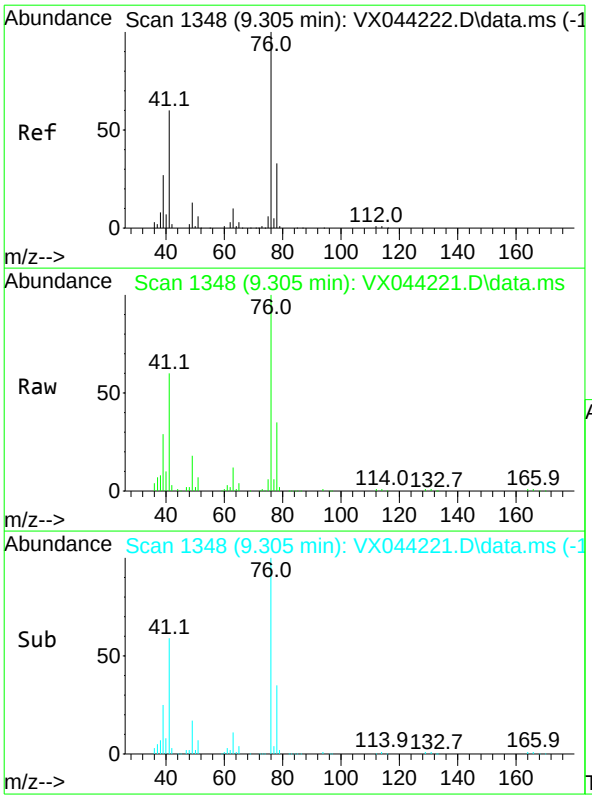


#56
Ethyl methacrylate
Concen: 19.318 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 69 Resp: 52571

Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.6	85.0
39	47.8	37.4	56.0





#57
1,3-Dichloropropane
Concen: 19.827 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 76 Resp: 59489

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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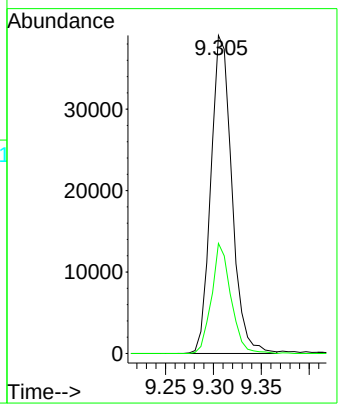
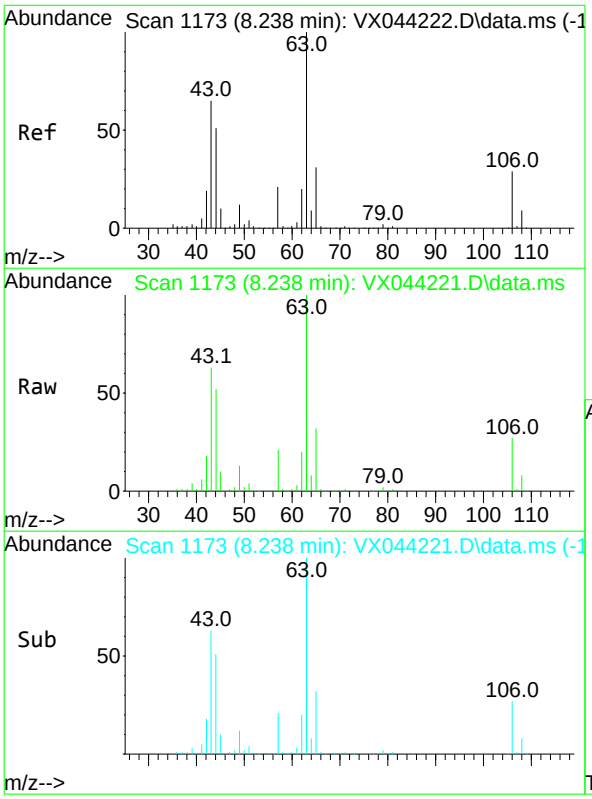
Supervised By :Mahesh Dadoda 12/12/2024

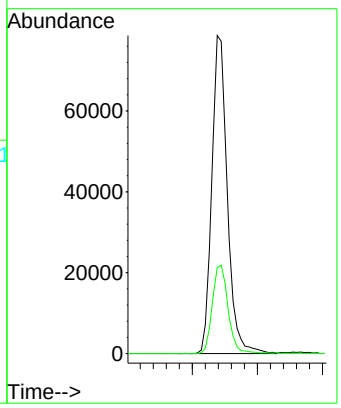


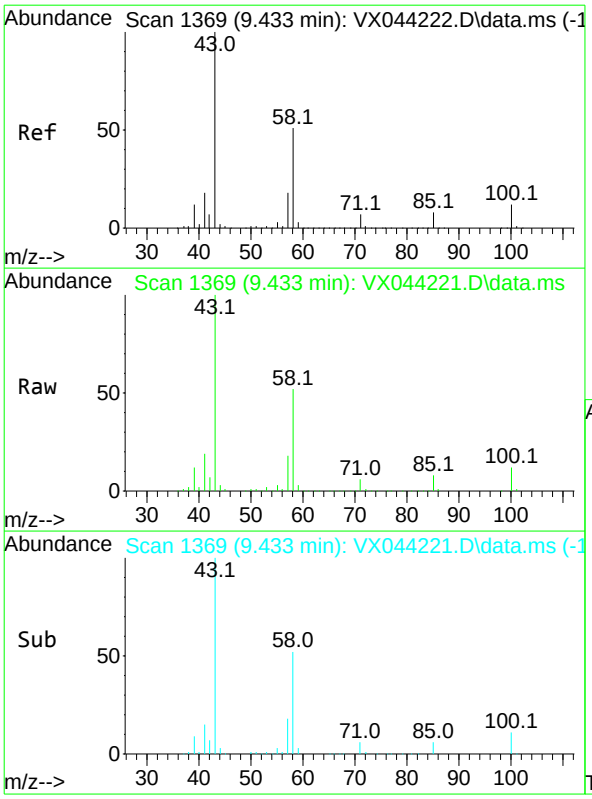


#58
2-Chloroethyl Vinyl ether
Concen: 94.642 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 63 Resp: 129900

Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.8	34.2





#59
2-Hexanone
Concen: 101.440 ug/l
RT: 9.433 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 207578

Ion	Ratio	Lower	Upper
43	100		
58	50.4	25.7	77.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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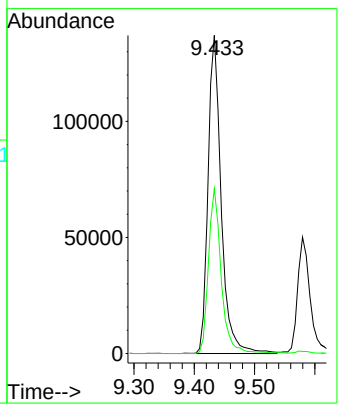
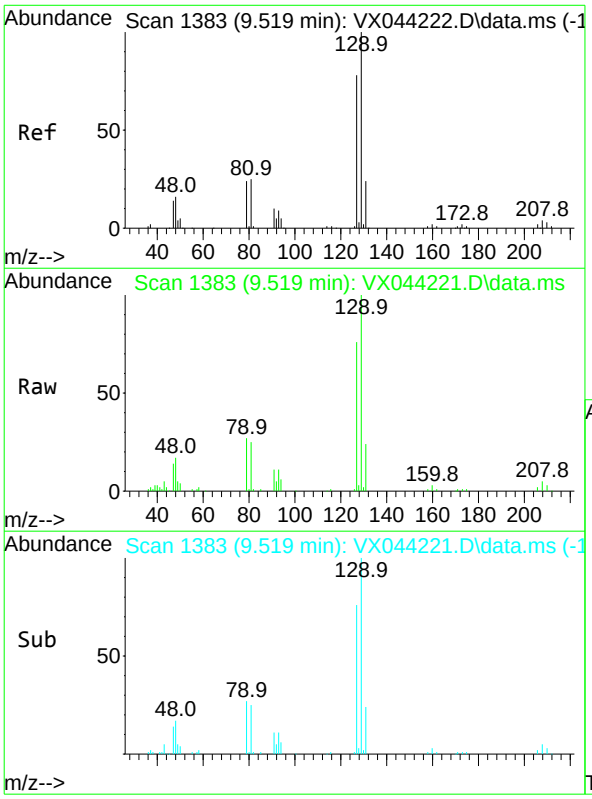
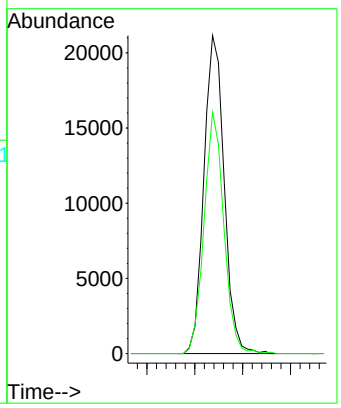


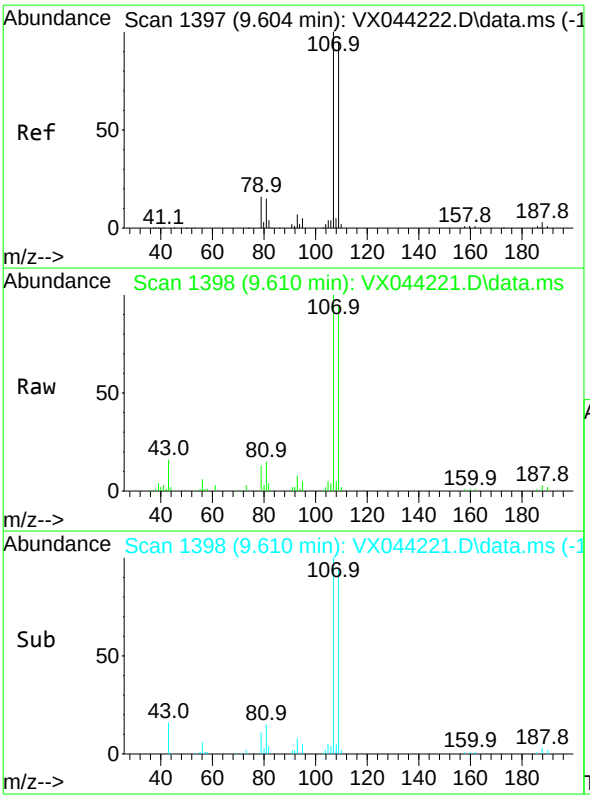


#60
Dibromochloromethane
Concen: 18.318 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:129 Resp: 31066

Ion	Ratio	Lower	Upper
129	100		
127	74.1	38.5	115.3





#61
1,2-Dibromoethane
Concen: 19.935 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:107 Resp: 34978

Ion	Ratio	Lower	Upper
107	100		
109	94.4	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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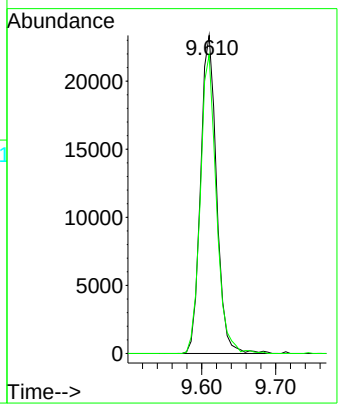
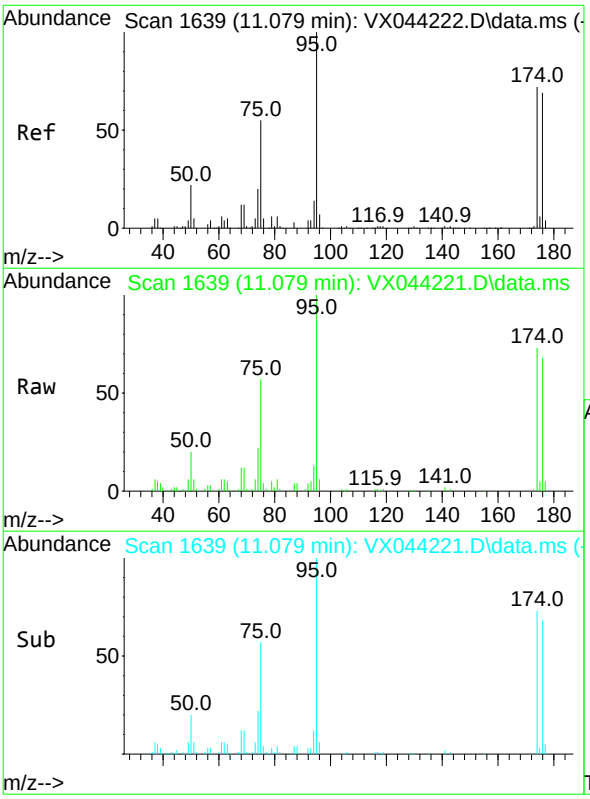
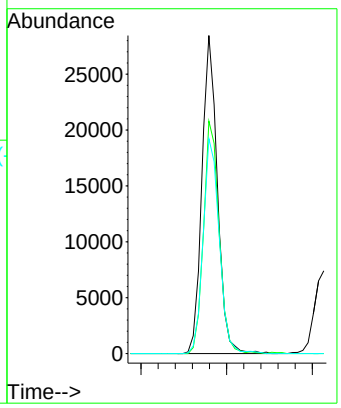


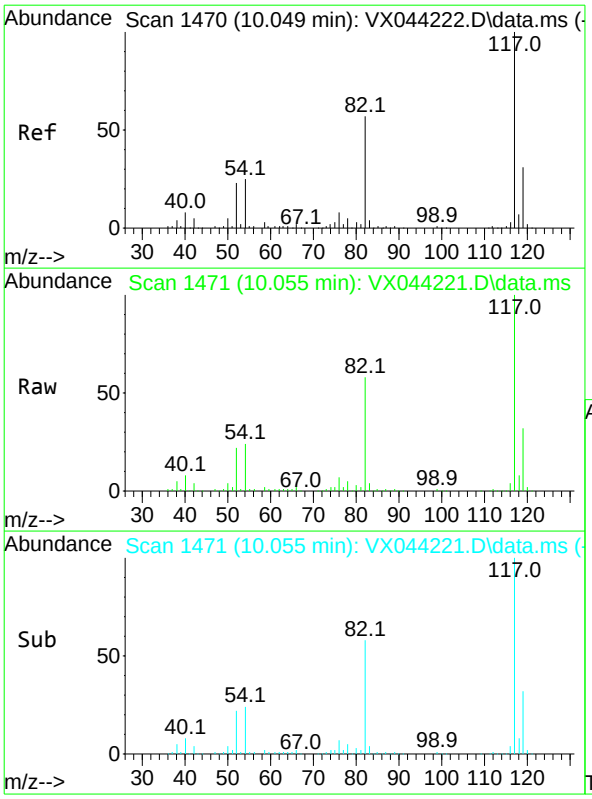


#62
4-Bromofluorobenzene
Concen: 17.175 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 95 Resp: 35645

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	145.8
176	70.5	0.0	137.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:117 Resp: 218148

Ion	Ratio	Lower	Upper
117	100		
82	58.3	45.8	68.8
119	31.6	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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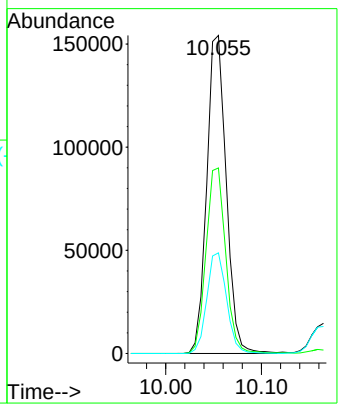
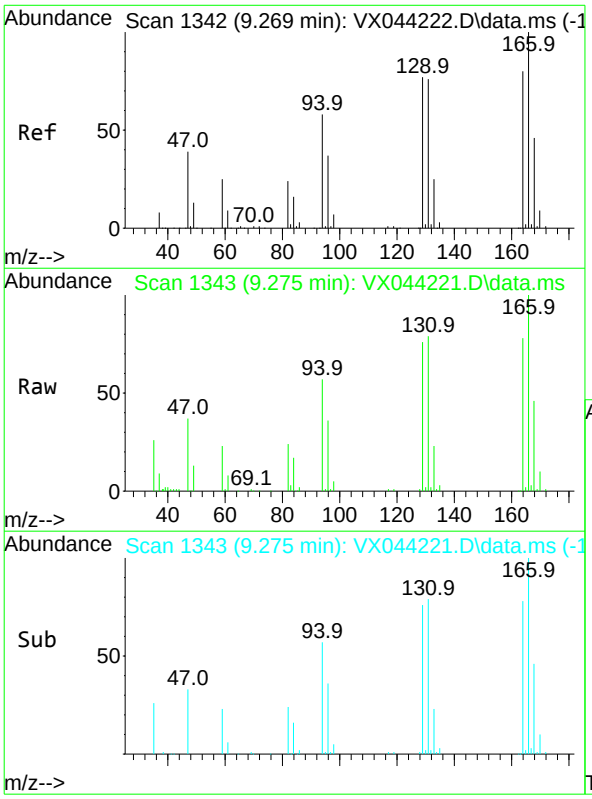
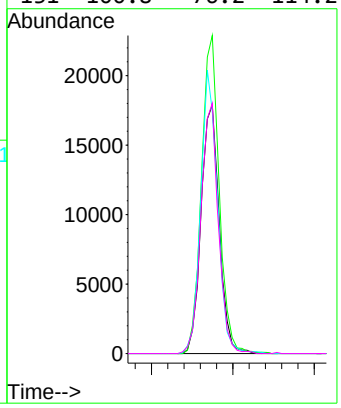


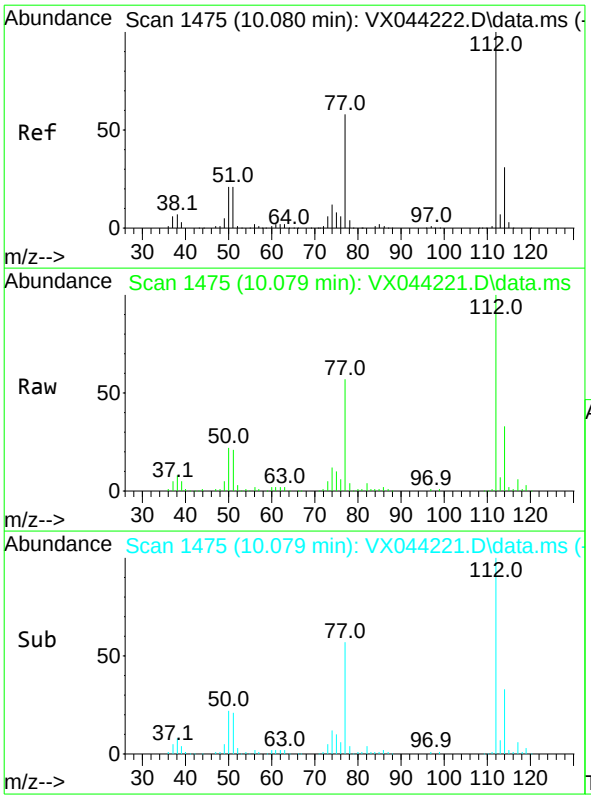


#64
Tetrachloroethene
Concen: 19.133 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:164 Resp: 27702

Ion	Ratio	Lower	Upper
164	100		
166	128.0	100.4	150.6
129	97.5	77.2	115.8
131	100.8	76.2	114.2





#65
Chlorobenzene
Concen: 19.389 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:112 Resp: 90631

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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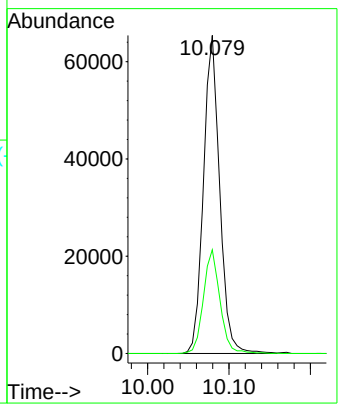
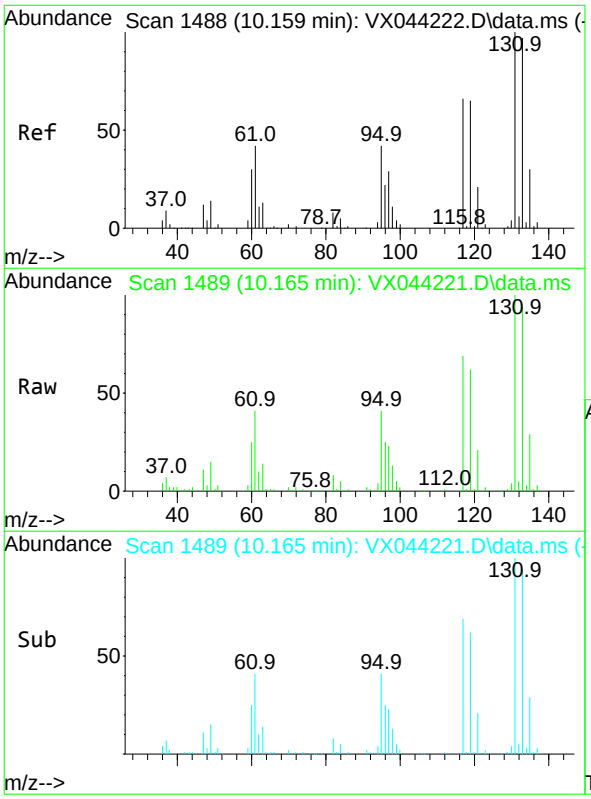
Supervised By :Mahesh Dadoda 12/12/2024

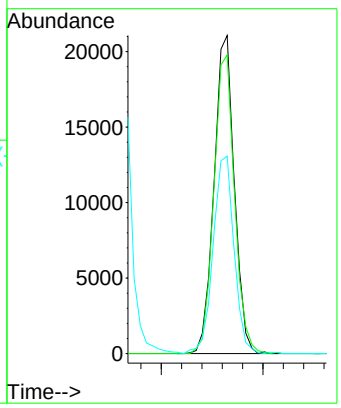


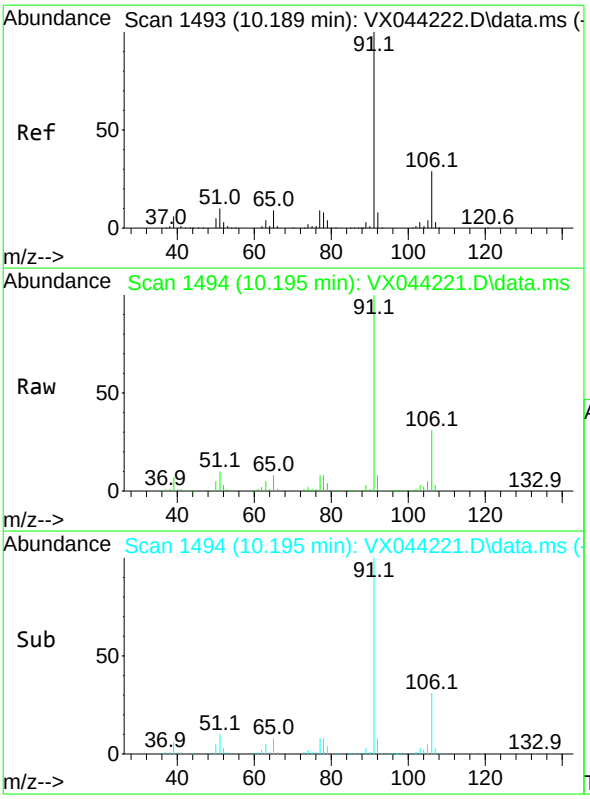


#66
1,1,1,2-Tetrachloroethane
Concen: 19.392 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:131 Resp: 29132

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	141.8
119	64.0	31.6	95.0





#67
Ethyl Benzene
Concen: 19.619 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 91 Resp: 158455

Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.5	35.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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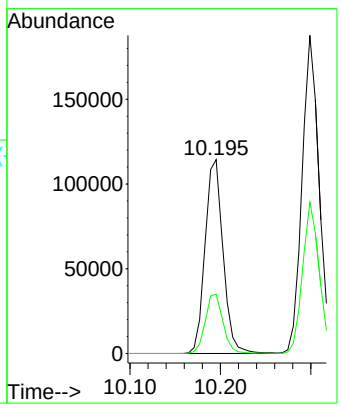
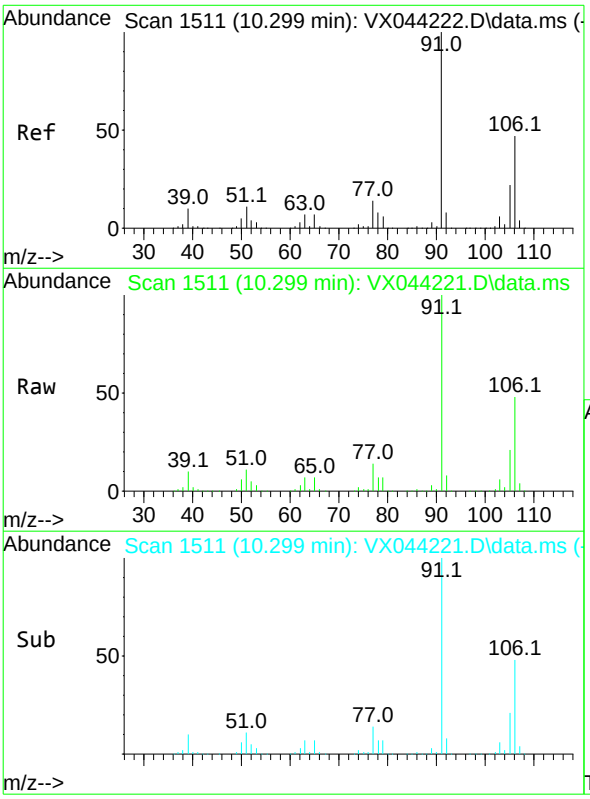
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

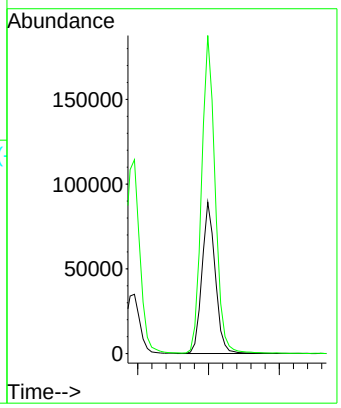


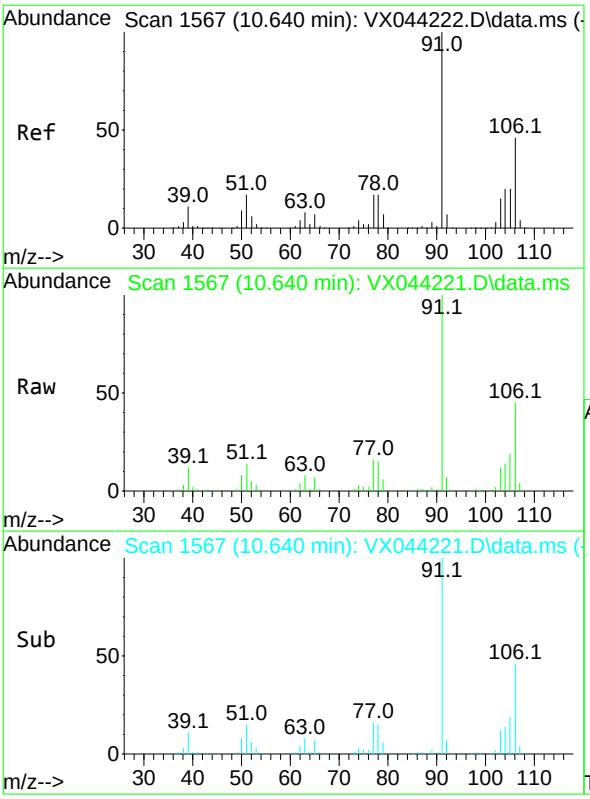


#68
m/p-Xylenes
Concen: 39.183 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:106 Resp: 116126

Ion	Ratio	Lower	Upper
106	100		
91	215.5	170.2	255.2





#69
o-Xylene
Concen: 19.938 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:106 Resp: 59787

Ion	Ratio	Lower	Upper
106	100		
91	223.6	112.3	337.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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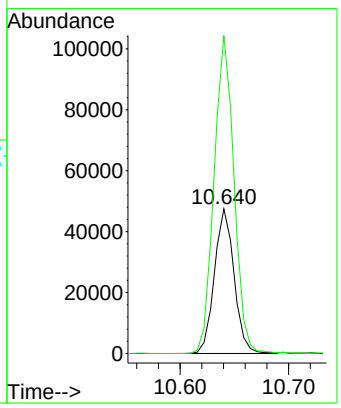
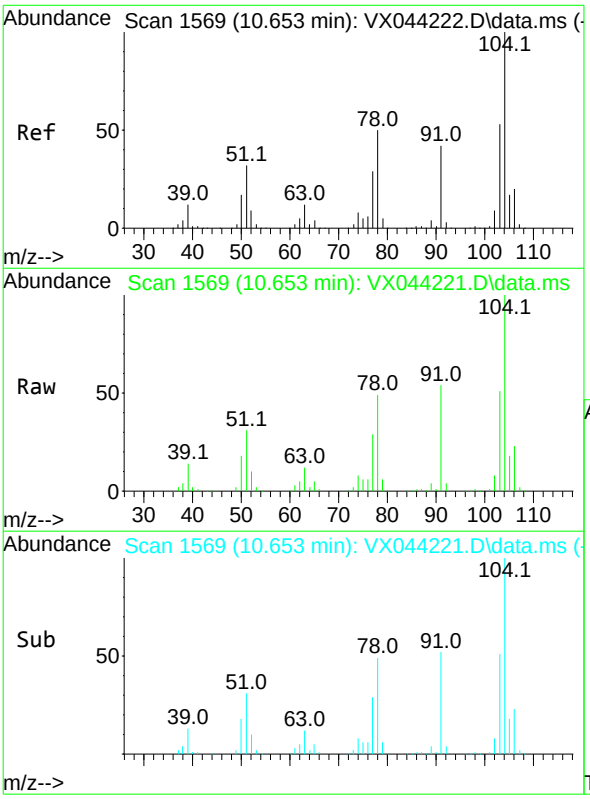
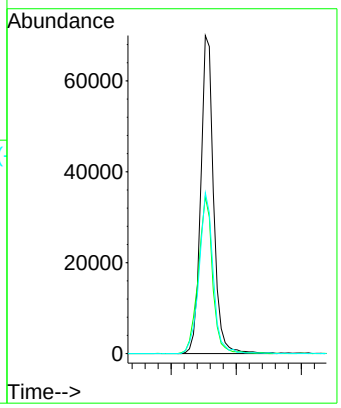


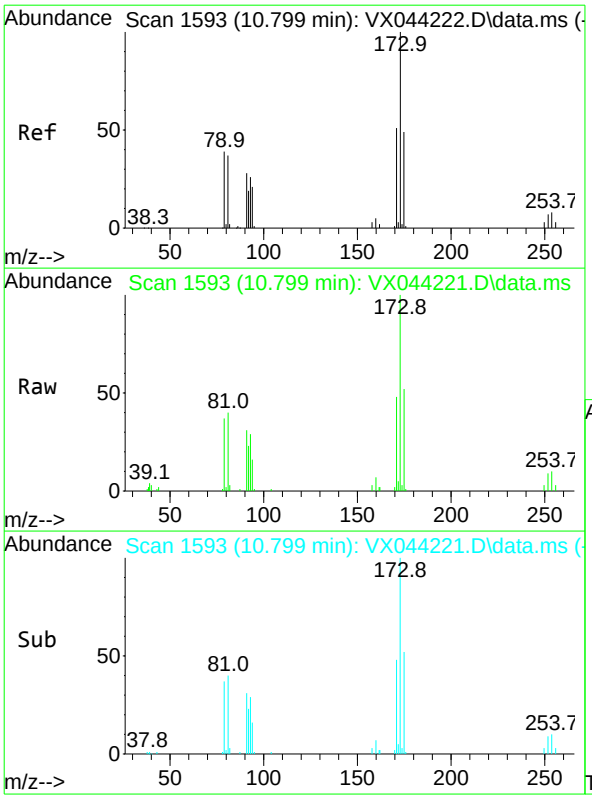


#70
Styrene
Concen: 19.946 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:104 Resp: 95883

Ion	Ratio	Lower	Upper
104	100		
78	54.7	44.6	67.0
103	55.2	45.4	68.0





#71
Bromoform
Concen: 18.112 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:173 Resp: 16924

Ion	Ratio	Lower	Upper
173	100		
175	50.5	23.8	71.4
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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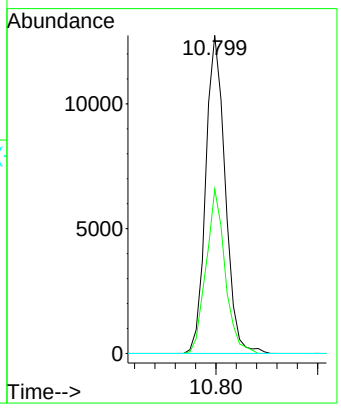
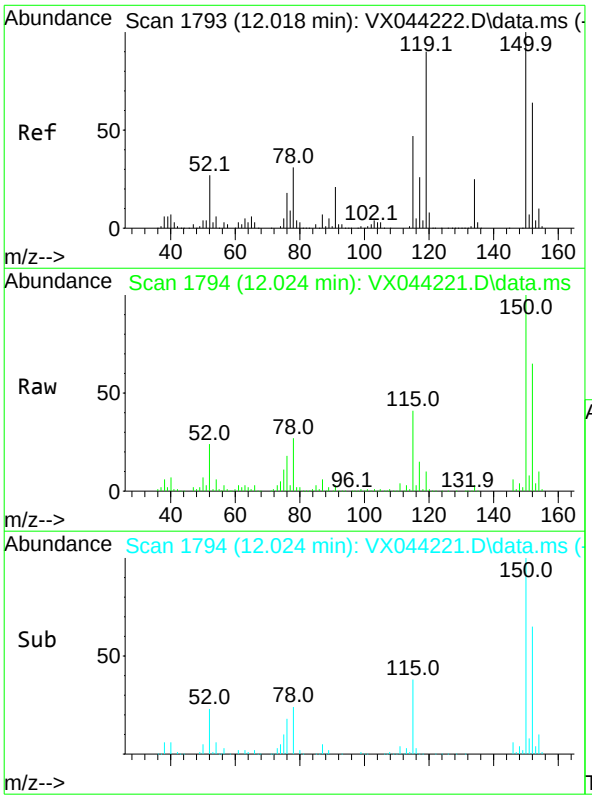
Supervised By :Mahesh Dadoda 12/12/2024

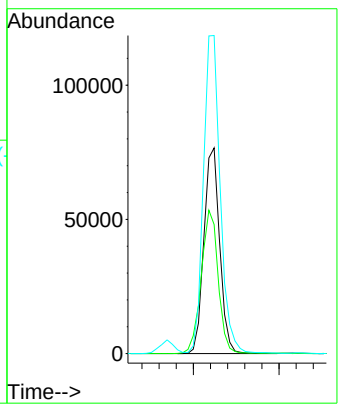


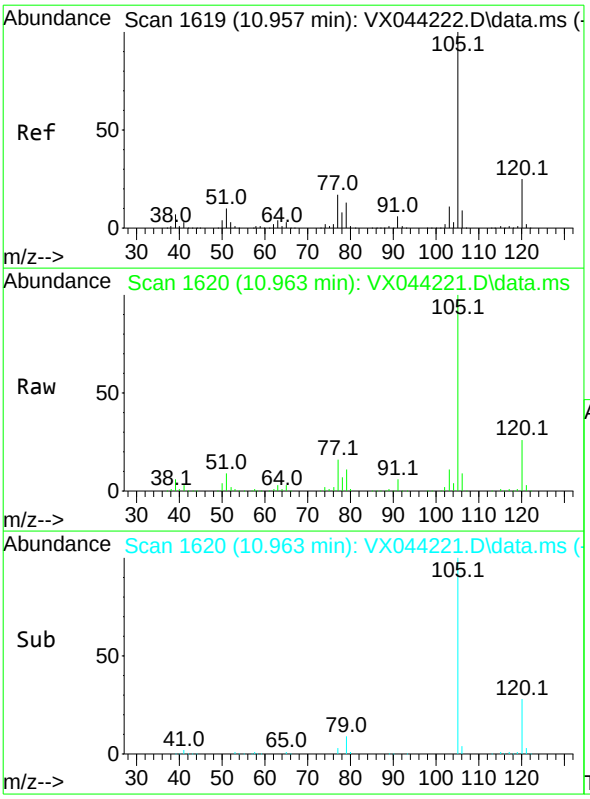


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:152 Resp: 98180

Ion	Ratio	Lower	Upper
152	100		
115	74.8	44.5	133.3
150	164.2	0.0	353.8





#73
Isopropylbenzene
Concen: 20.481 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:105 Resp: 153935

Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.1	39.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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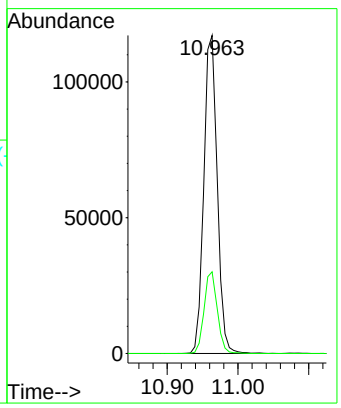
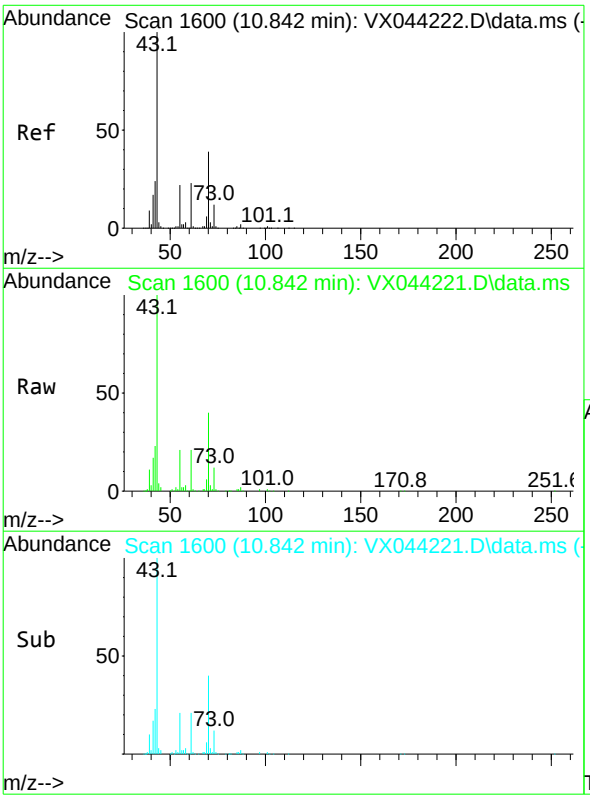
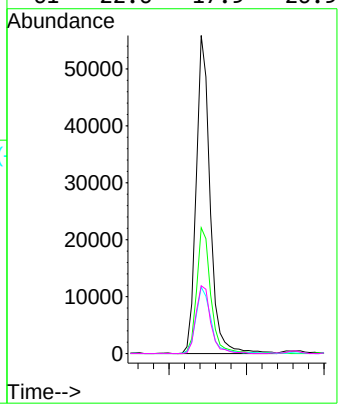


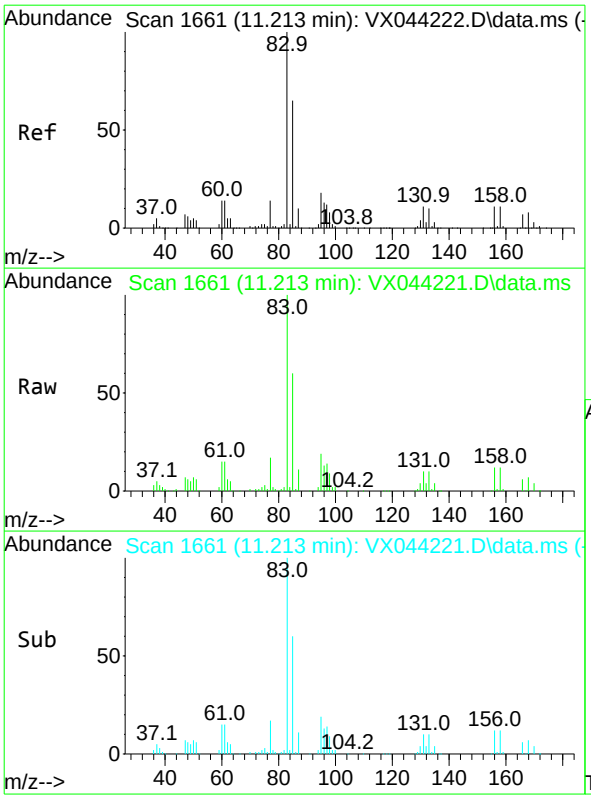


#74
N-amyl acetate
Concen: 20.049 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 69643

Ion	Ratio	Lower	Upper
43	100		
70	39.8	31.9	47.9
55	22.8	17.9	26.9
61	22.6	17.9	26.9





#75
1,1,2,2-Tetrachloroethane
Concen: 20.039 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 83 Resp: 52312

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.4
85	62.1	32.5	97.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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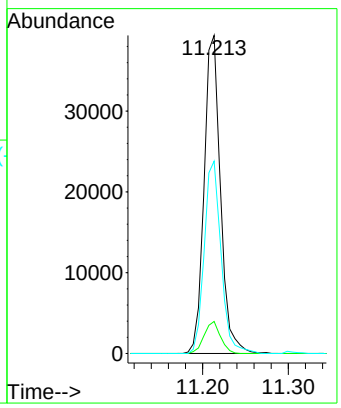
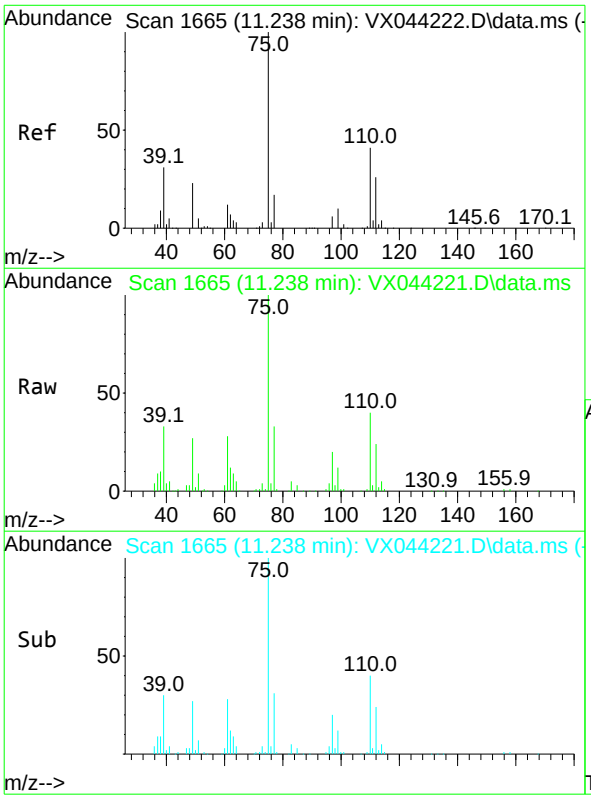
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

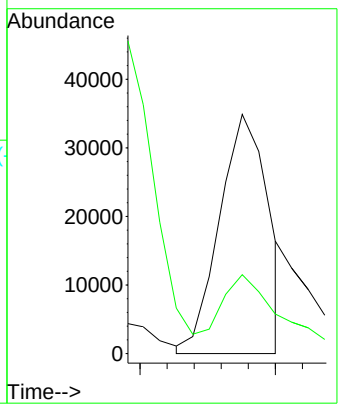


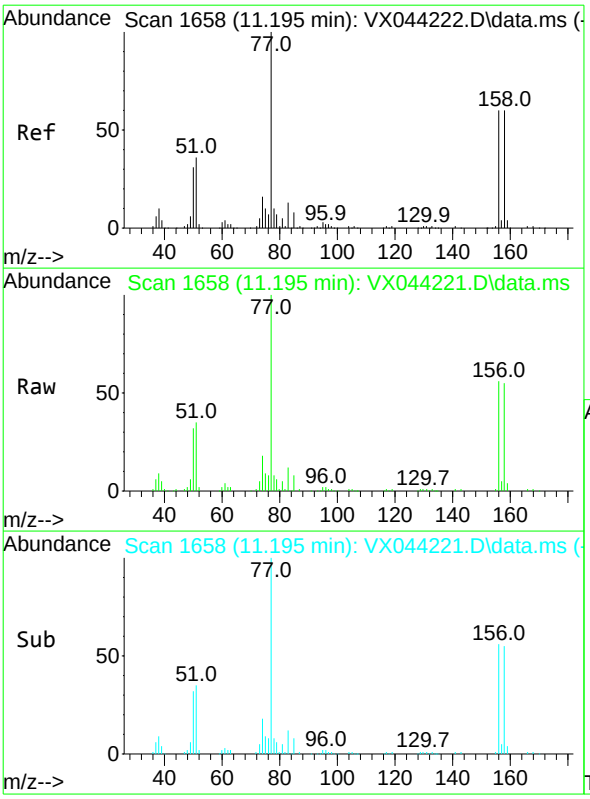


#76
1,2,3-Trichloropropane
Concen: 19.627 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 75 Resp: 43726

Ion	Ratio	Lower	Upper
75	100		
77	42.1	20.9	62.7





#77
Bromobenzene
Concen: 19.176 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:156 Resp: 34951

Ion	Ratio	Lower	Upper
156	100		
77	169.4	82.6	247.8
158	98.1	48.8	146.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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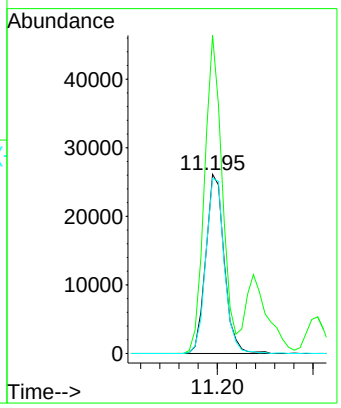
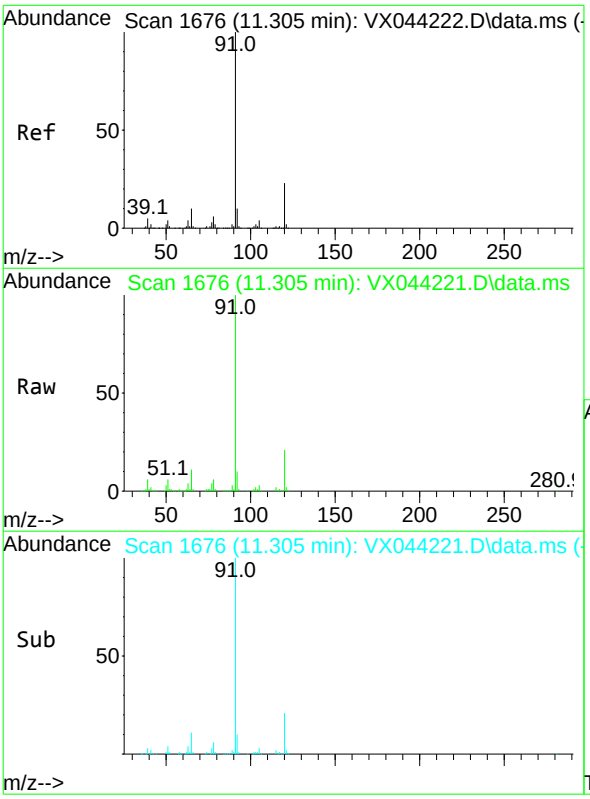
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

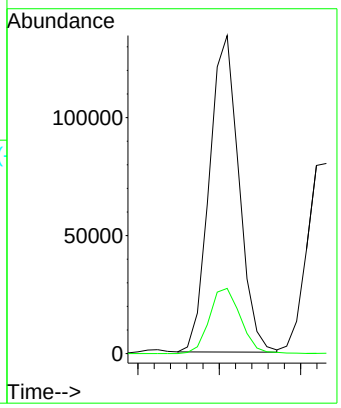


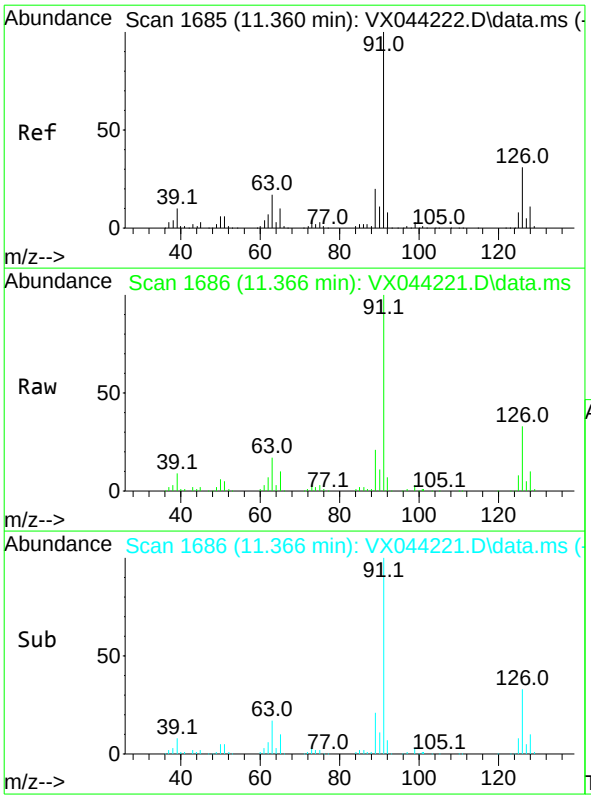


#78
n-propylbenzene
Concen: 20.419 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 91 Resp: 169622

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.0	33.0





#79
2-Chlorotoluene
Concen: 19.788 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 91 Resp: 106310

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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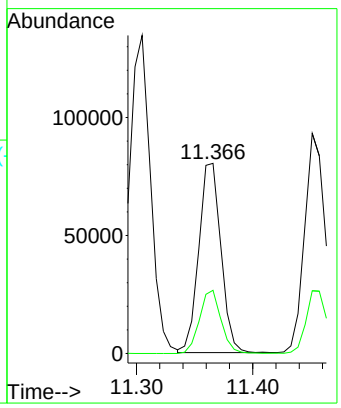
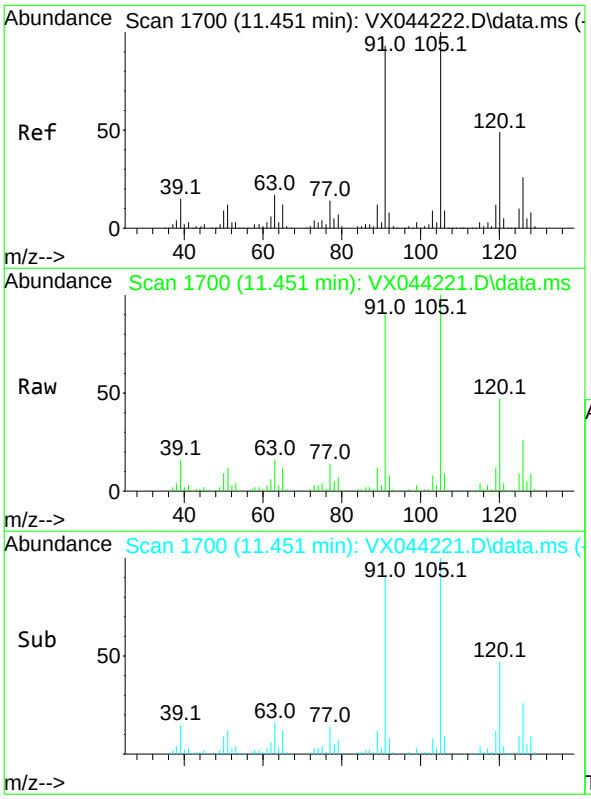
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

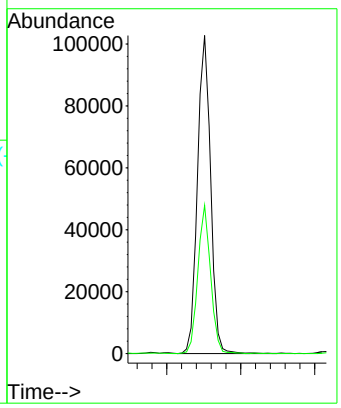


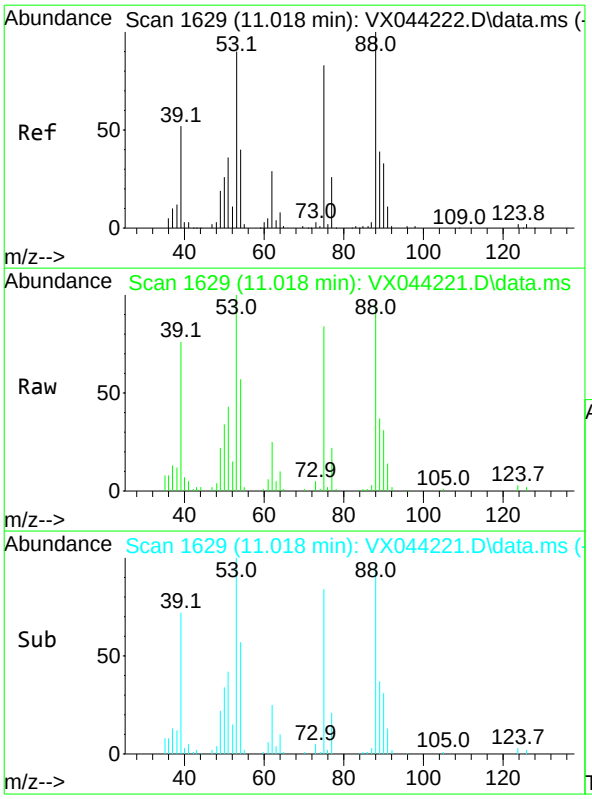


#80
1,3,5-Trimethylbenzene
Concen: 20.315 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:105 Resp: 126626

Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.8	71.4





#81
trans-1,4-Dichloro-2-butene
Concen: 19.264 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 75 Resp: 11784

Ion	Ratio	Lower	Upper
75	100		
53	130.8	93.6	140.4
89	48.1	37.3	55.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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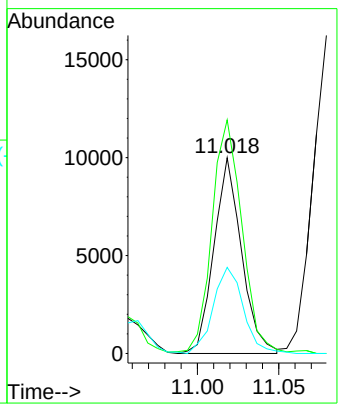
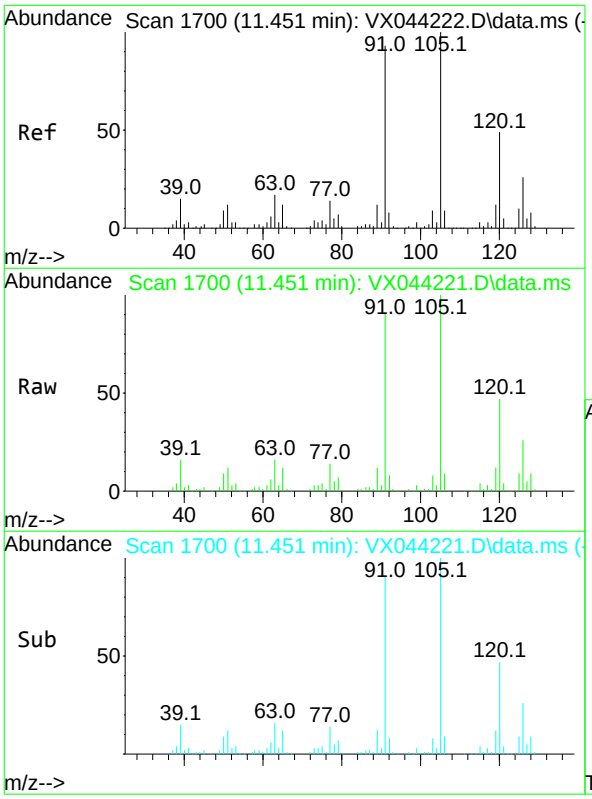
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

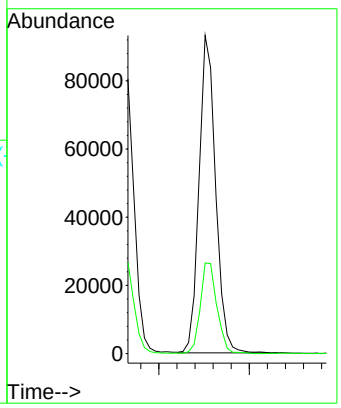


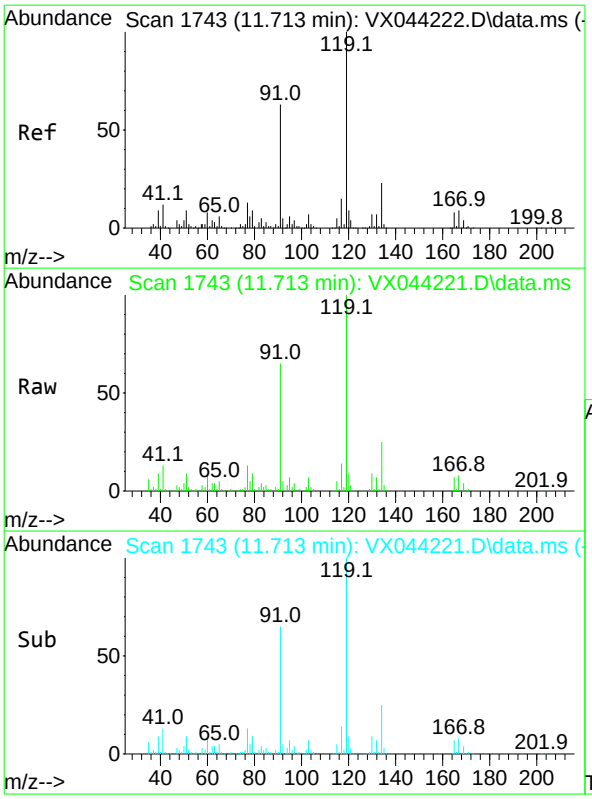


#82
4-Chlorotoluene
Concen: 19.886 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 91 Resp: 118309

Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.5	43.5





#83
tert-Butylbenzene
Concen: 19.794 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:119 Resp: 121929

Ion	Ratio	Lower	Upper
119	100		
91	66.0	30.9	92.5
134	24.8	11.5	34.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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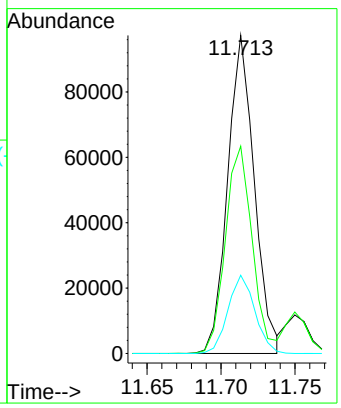
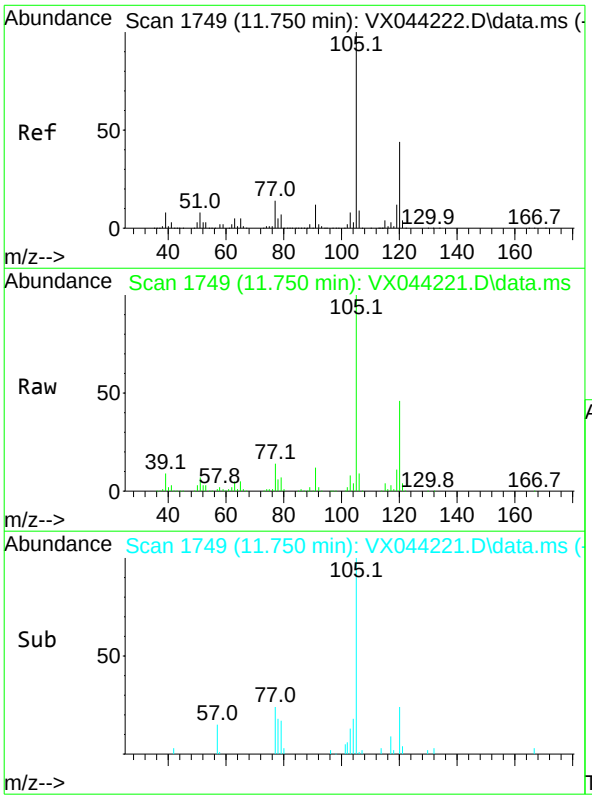
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

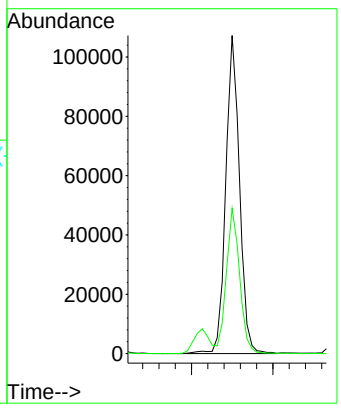


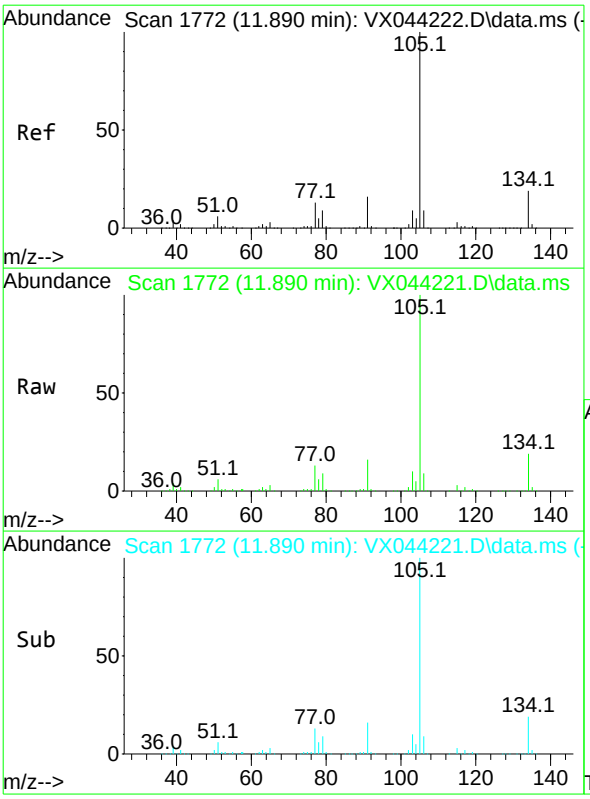


#84
1,2,4-Trimethylbenzene
Concen: 20.574 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:105 Resp: 125939

Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.7	65.1





#85
sec-Butylbenzene
Concen: 20.165 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

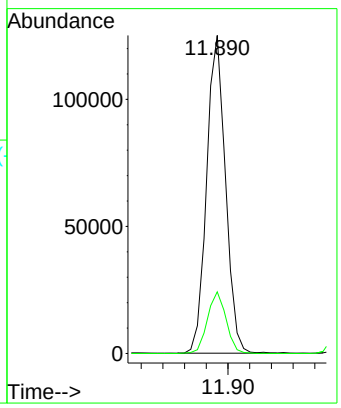
Tgt Ion:105 Resp: 150795

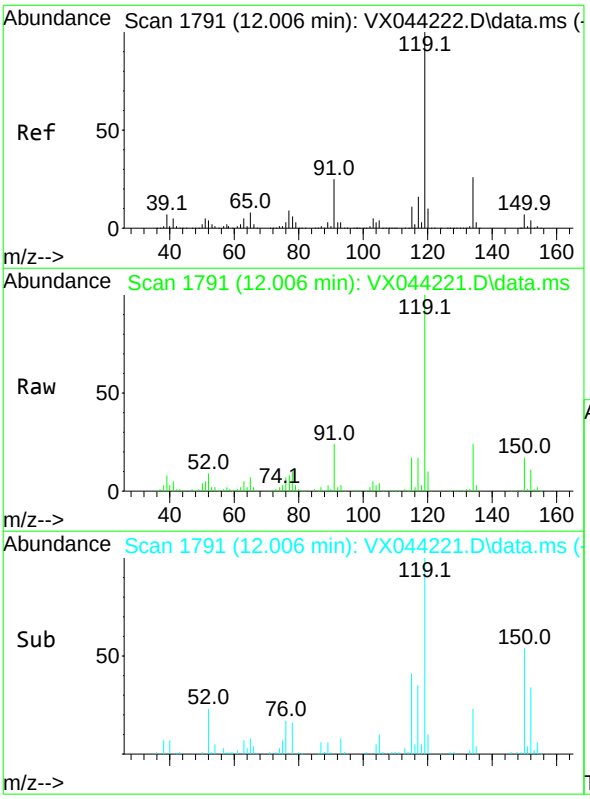
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

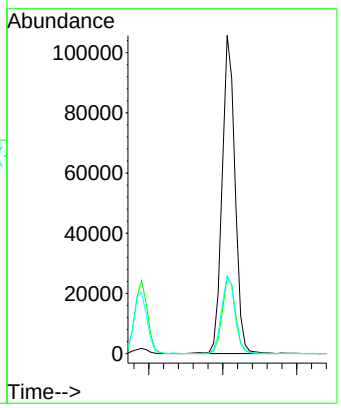


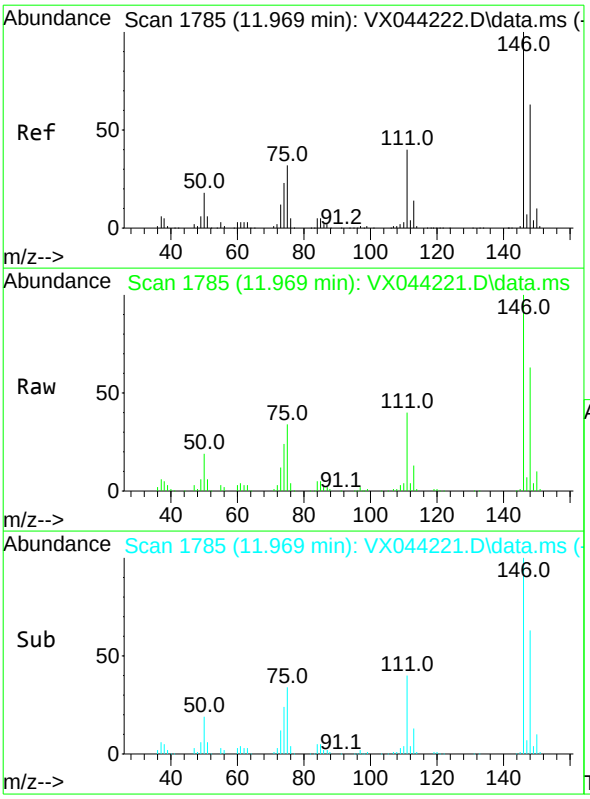


#86
p-Isopropyltoluene
Concen: 20.532 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:119 Resp: 127790

Ion	Ratio	Lower	Upper
119	100		
134	24.6	12.8	38.4
91	25.4	13.0	39.0





#87
1,3-Dichlorobenzene
Concen: 20.228 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

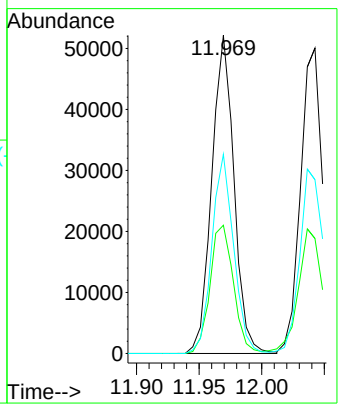
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

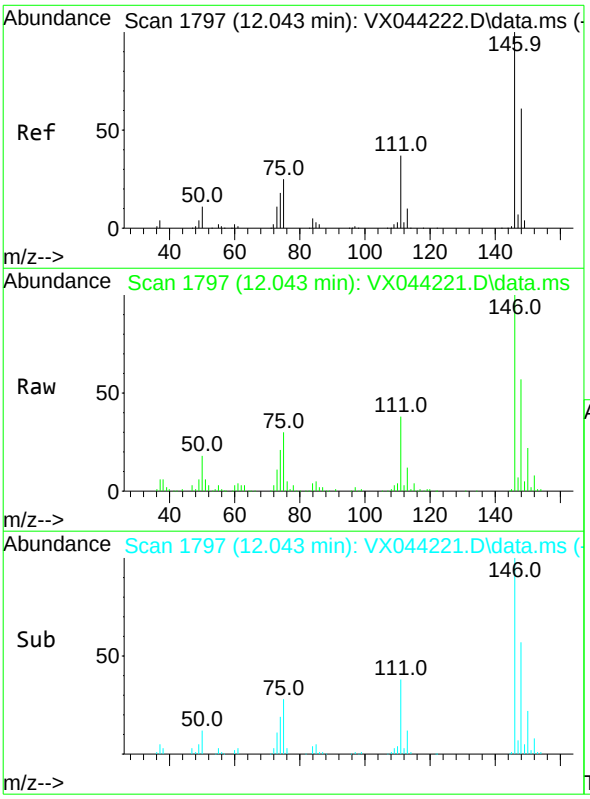
Tgt Ion:146 Resp: 64399

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.4	64.2
148	61.4	31.7	95.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

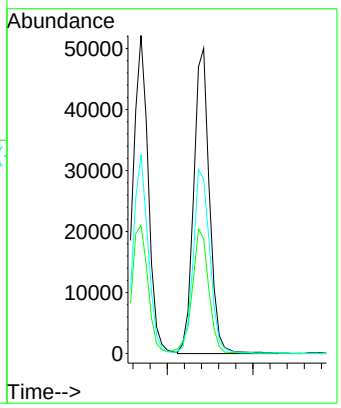


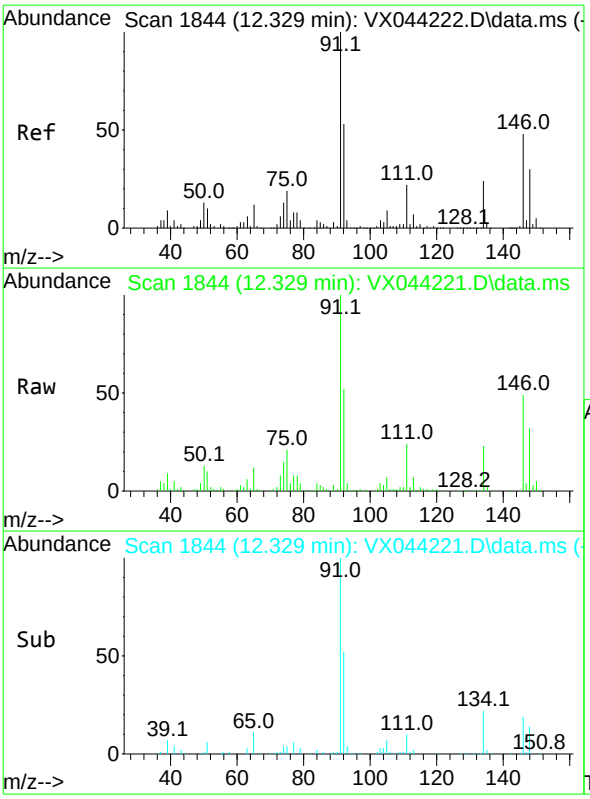


#88
1,4-Dichlorobenzene
Concen: 19.588 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:146 Resp: 64106

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.0	63.0
148	63.2	32.3	96.8





#89
n-Butylbenzene
Concen: 19.950 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

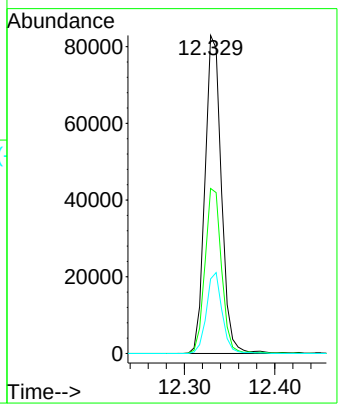
Tgt Ion: 91 Resp: 104410

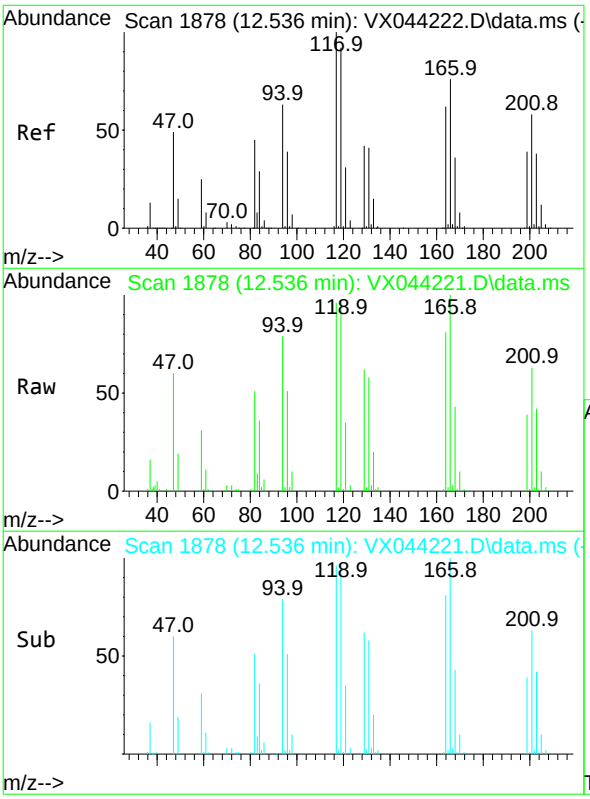
Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.6	79.7
134	24.4	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

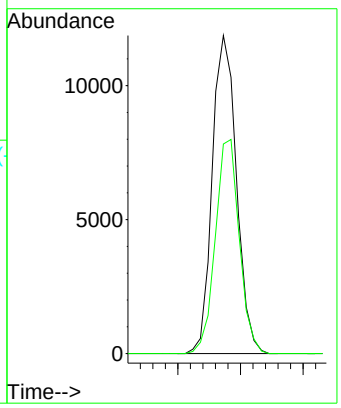


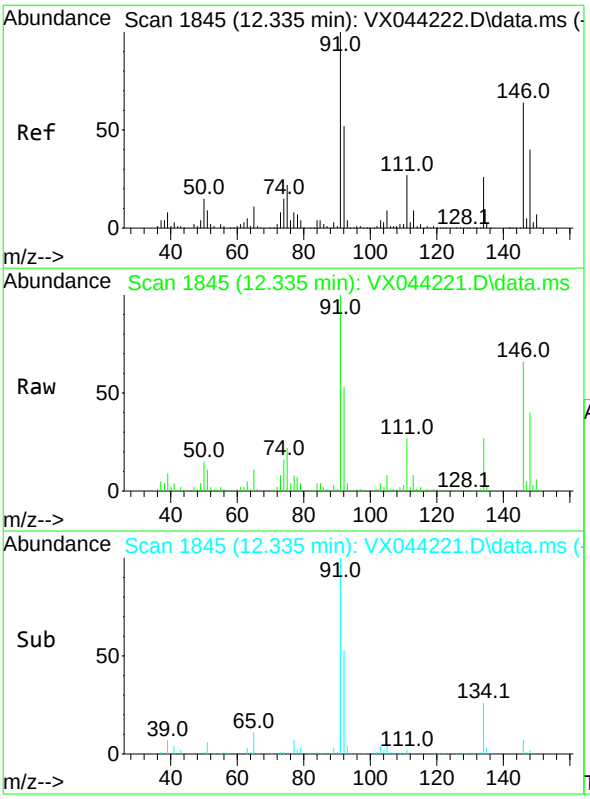


#90
Hexachloroethane
Concen: 17.543 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:117 Resp: 15939

Ion	Ratio	Lower	Upper
117	100		
201	66.8	31.4	94.2





#91
1,2-Dichlorobenzene
Concen: 19.817 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

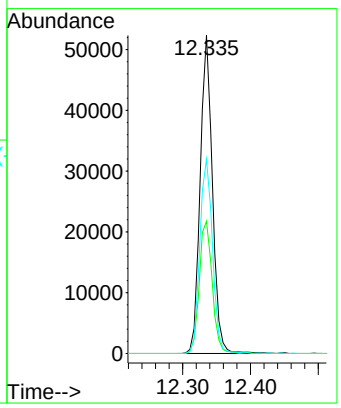
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

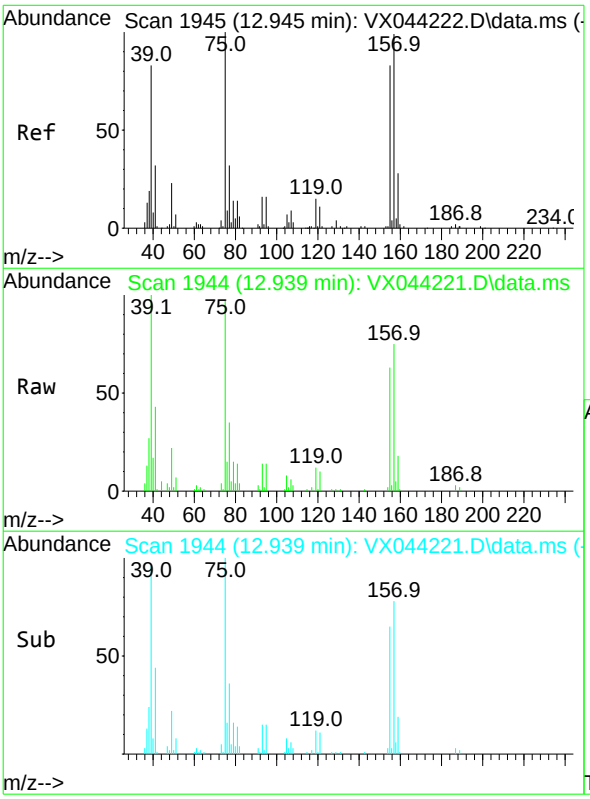
Tgt Ion:146 Resp: 65511

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.4	64.3
148	63.5	31.6	95.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

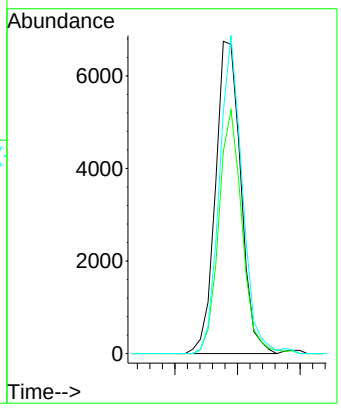


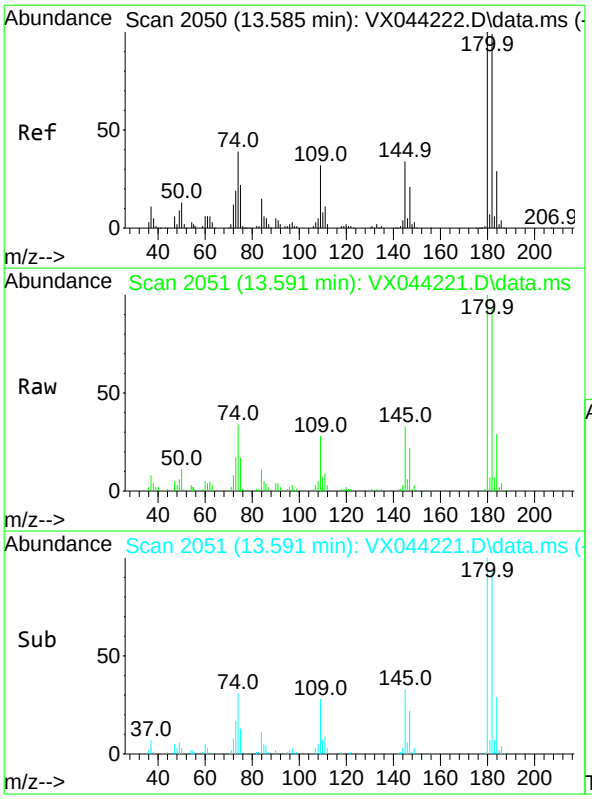


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.683 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 75 Resp: 9468

Ion	Ratio	Lower	Upper
75	100		
155	72.1	38.1	114.3
157	92.2	47.2	141.6





#93
1,2,4-Trichlorobenzene
Concen: 19.313 ug/l
RT: 13.591 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

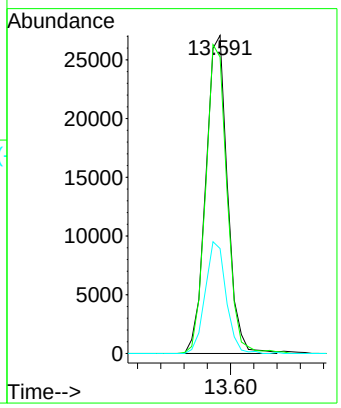
Tgt Ion:180 Resp: 35001

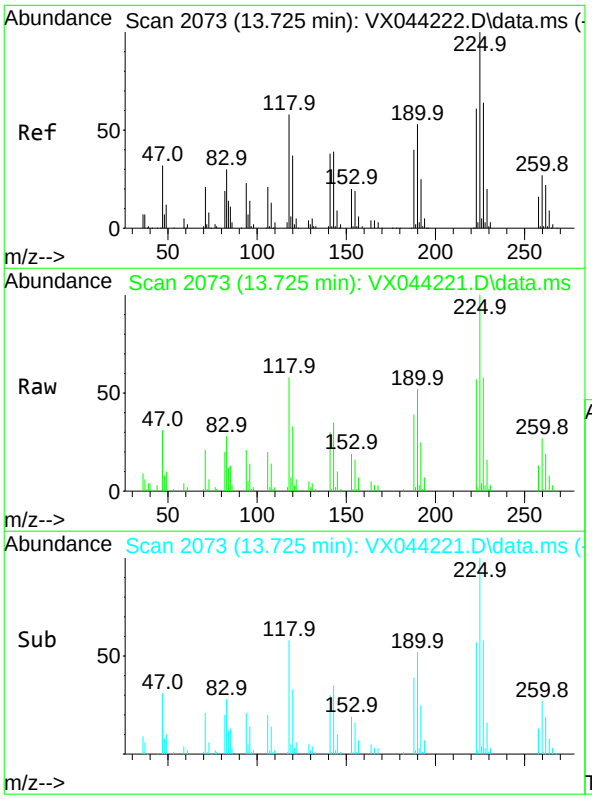
Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.0	144.2
145	33.9	16.6	49.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

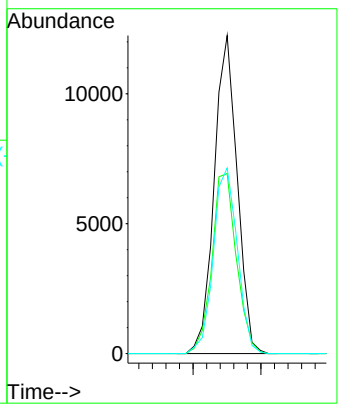


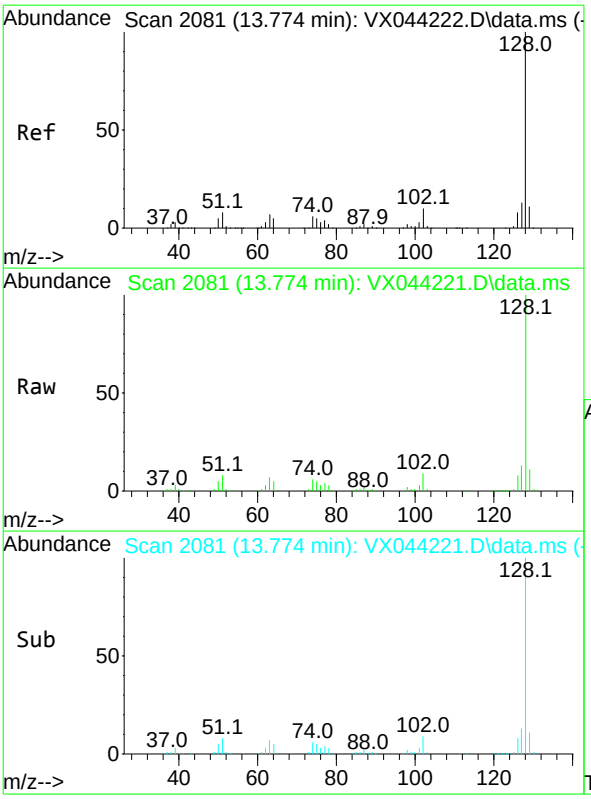


#94
Hexachlorobutadiene
Concen: 19.774 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:225 Resp: 14415

Ion	Ratio	Lower	Upper
225	100		
223	60.5	30.8	92.4
227	60.9	32.1	96.3





#95
Naphthalene
Concen: 20.146 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

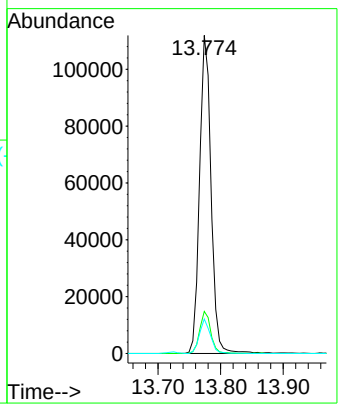
Tgt Ion:128 Resp: 142515

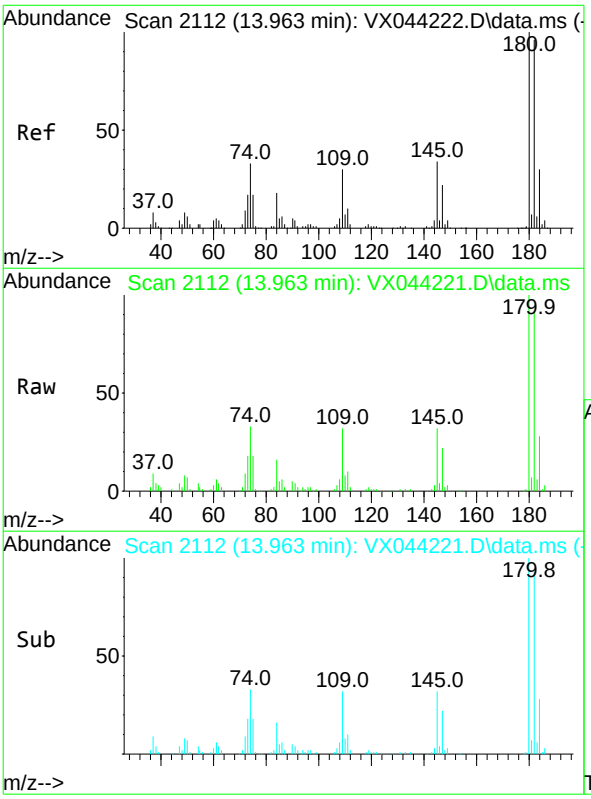
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.4	9.0	13.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

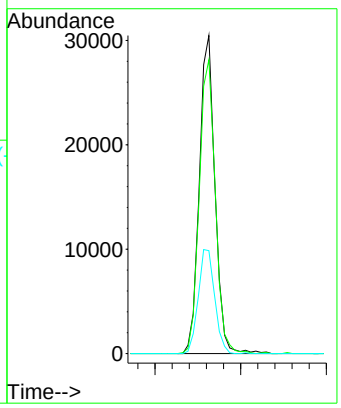




#96
1,2,3-Trichlorobenzene
Concen: 20.101 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:180 Resp: 38639

Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.0	144.0
145	34.3	17.7	53.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044222.D
Acq On : 11 Dec 2024 12:14
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 12 04:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	125713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	233488	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	205196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	95227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	115815	52.544	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.080%			
35) Dibromofluoromethane	5.385	113	85656	52.968	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.940%			
50) Toluene-d8	8.647	98	292199	53.559	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.120%			
62) 4-Bromofluorobenzene	11.079	95	103178	54.123	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	99052	50.957	ug/l	100
3) Chloromethane	1.295	50	94981	51.097	ug/l	100
4) Vinyl Chloride	1.374	62	98852	51.045	ug/l	100
5) Bromomethane	1.593	94	69250	50.405	ug/l	100
6) Chloroethane	1.666	64	66862	55.448	ug/l	100
7) Trichlorofluoromethane	1.868	101	193676	51.086	ug/l	100
8) Diethyl Ether	2.136	74	64542	49.875	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	77275	50.371	ug/l	100
10) Methyl Iodide	2.441	142	106509	52.678	ug/l	100
11) Tert butyl alcohol	2.995	59	75690m	244.039	ug/l	
12) 1,1-Dichloroethene	2.307	96	74884	53.143	ug/l	100
13) Acrolein	2.239	56	116171	258.347	ug/l	100
14) Allyl chloride	2.654	41	126925	54.079	ug/l	100
15) Acrylonitrile	3.069	53	225330	261.859	ug/l	100
16) Acetone	2.392	43	239661	266.704	ug/l	100
17) Carbon Disulfide	2.502	76	144624	53.994	ug/l	100
18) Methyl Acetate	2.709	43	119808	51.710	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	289735	52.691	ug/l	100
20) Methylene Chloride	2.782	84	86593	51.305	ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	77834	51.974	ug/l	100
22) Diisopropyl ether	3.764	45	273039	51.662	ug/l	100
23) Vinyl Acetate	3.721	43	1202044	279.754	ug/l	100
24) 1,1-Dichloroethane	3.605	63	156412	53.093	ug/l	100
25) 2-Butanone	4.562	43	344663	269.797	ug/l	100
26) 2,2-Dichloropropane	4.465	77	131428	54.914	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	97013	51.007	ug/l	100
28) Bromochloromethane	4.898	49	74477	51.555	ug/l	100
29) Tetrahydrofuran	5.007	42	212103	258.669	ug/l	100
30) Chloroform	5.087	83	168864	51.017	ug/l	100
31) Cyclohexane	5.465	56	122841	51.637	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	147834	53.806	ug/l	100
36) 1,1-Dichloropropene	5.690	75	103760	49.638	ug/l	100
37) Ethyl Acetate	4.721	43	135753	52.537	ug/l	100
38) Carbon Tetrachloride	5.672	117	117076	52.023	ug/l	100
39) Methylcyclohexane	7.373	83	129697	51.901	ug/l	100
40) Benzene	6.031	78	329154	51.863	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044222.D
Acq On : 11 Dec 2024 12:14
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 12 04:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	70427	51.329 ug/l	100
42) 1,2-Dichloroethane	6.086	62	136309	52.138 ug/l	100
43) Isopropyl Acetate	6.342	43	213891	52.961 ug/l	100
44) Trichloroethene	7.123	130	81542	51.521 ug/l	100
45) 1,2-Dichloropropane	7.428	63	83376	51.420 ug/l	100
46) Dibromomethane	7.580	93	66786	53.092 ug/l	100
47) Bromodichloromethane	7.824	83	118634	54.607 ug/l	100
48) Methyl methacrylate	7.696	41	103726	52.909 ug/l	100
49) 1,4-Dioxane	7.671	88	35263m	1052.498 ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	688666	265.203 ug/l	100
52) Toluene	8.714	92	204738	51.370 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	120007	51.362 ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	132286	55.923 ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	83488	52.729 ug/l	100
56) Ethyl methacrylate	9.116	69	134770	53.917 ug/l	100
57) 1,3-Dichloropropane	9.305	76	143044	51.904 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	342592	271.745 ug/l	100
59) 2-Hexanone	9.433	43	512906	272.881 ug/l	100
60) Dibromochloromethane	9.519	129	86352	51.400 ug/l	100
61) 1,2-Dibromoethane	9.604	107	86150	53.454 ug/l	100
64) Tetrachloroethene	9.269	164	65888	48.379 ug/l	100
65) Chlorobenzene	10.080	112	223269	50.779 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	76867	54.396 ug/l	100
67) Ethyl Benzene	10.189	91	395430	52.050 ug/l	100
68) m/p-Xylenes	10.299	106	290181	104.094 ug/l	100
69) o-Xylene	10.640	106	144247	51.141 ug/l	100
70) Styrene	10.653	104	238379	52.719 ug/l	100
71) Bromoform	10.799	173	50667	51.158 ug/l #	100
73) Isopropylbenzene	10.957	105	372519	51.100 ug/l	100
74) N-amyl acetate	10.842	43	182491	54.166 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	127193	50.233 ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	107003m	49.518 ug/l	
77) Bromobenzene	11.195	156	89687	50.734 ug/l	100
78) n-propylbenzene	11.305	91	428741	53.211 ug/l	100
79) 2-Chlorotoluene	11.360	91	263849	50.634 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	314986	52.102 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	35119	47.628 ug/l	100
82) 4-Chlorotoluene	11.451	91	296520	51.387 ug/l	100
83) tert-Butylbenzene	11.713	119	310320	51.940 ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	313338	52.776 ug/l	100
85) sec-Butylbenzene	11.890	105	379552	52.329 ug/l	100
86) p-Isopropyltoluene	12.006	119	318721	52.796 ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	160223	51.887 ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	159258	50.171 ug/l	100
89) n-Butylbenzene	12.329	91	270840	53.354 ug/l	100
90) Hexachloroethane	12.536	117	48303	54.813 ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	164342	51.256 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	26027	52.951 ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	93173	53.005 ug/l	100
94) Hexachlorobutadiene	13.725	225	35172	49.744 ug/l	100
95) Naphthalene	13.774	128	365234	53.230 ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	97000	52.027 ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044222.D
Acq On : 11 Dec 2024 12:14
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Dec 12 04:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

ICAL Form

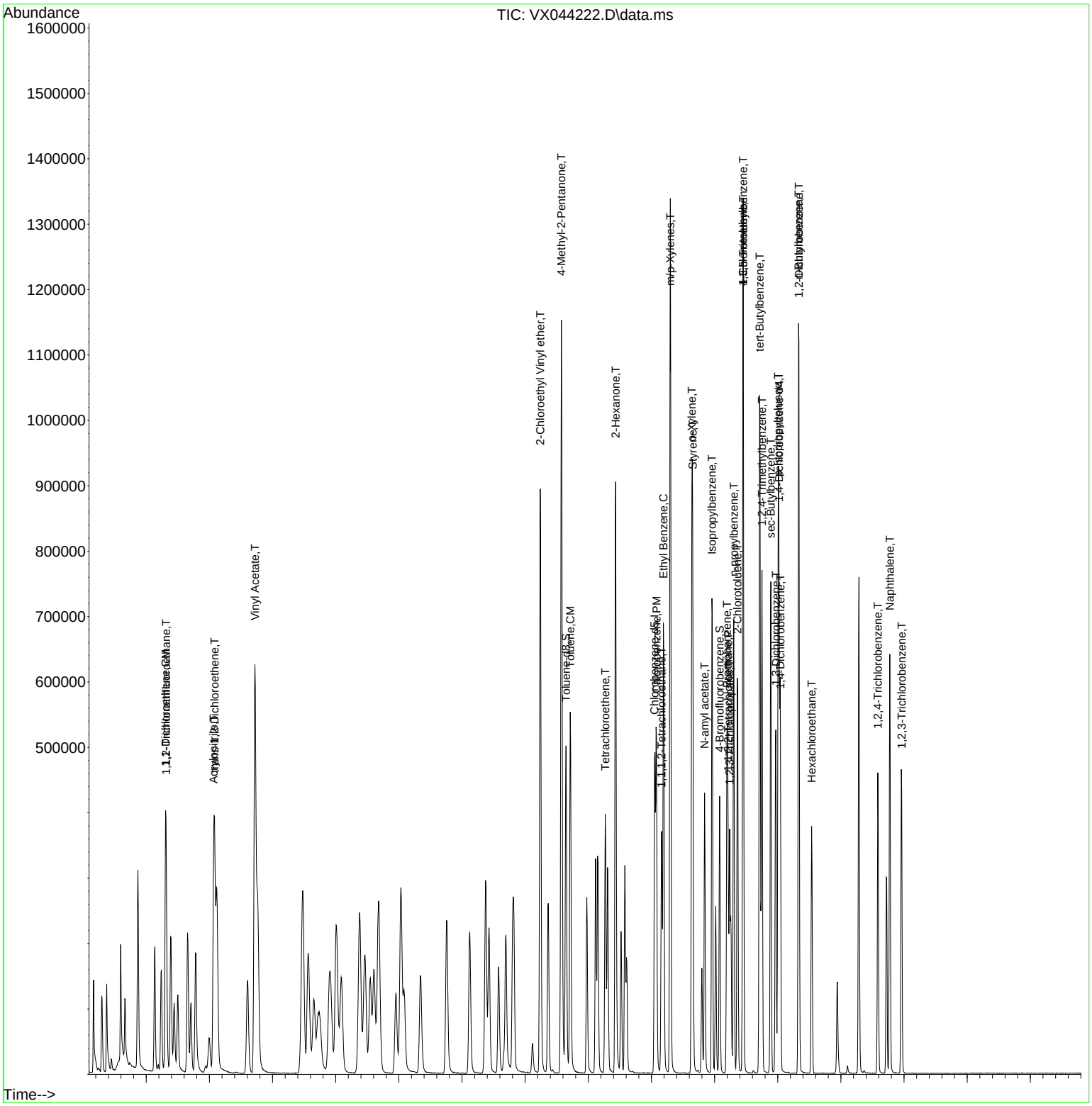
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044222.D
Acq On : 11 Dec 2024 12:14
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

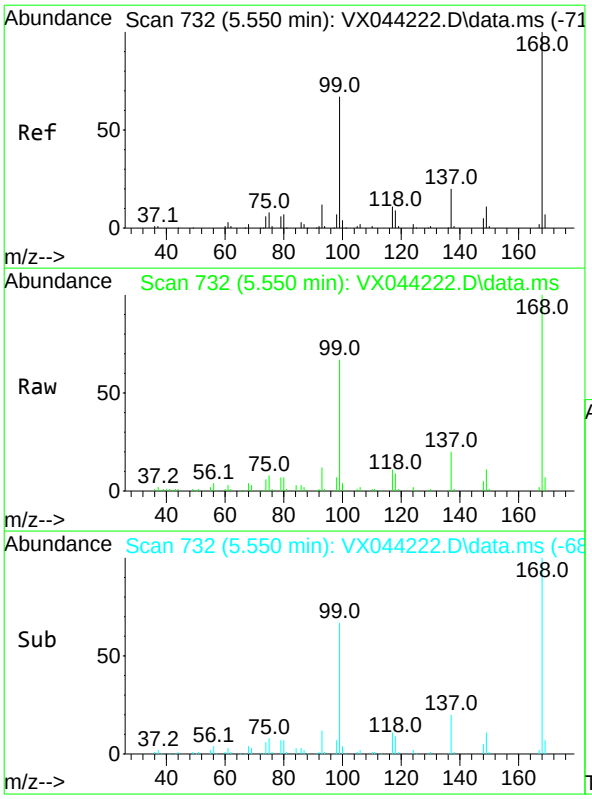
Quant Time: Dec 12 04:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

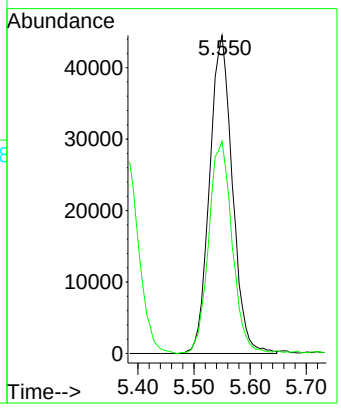
Tgt Ion:168 Resp: 125713

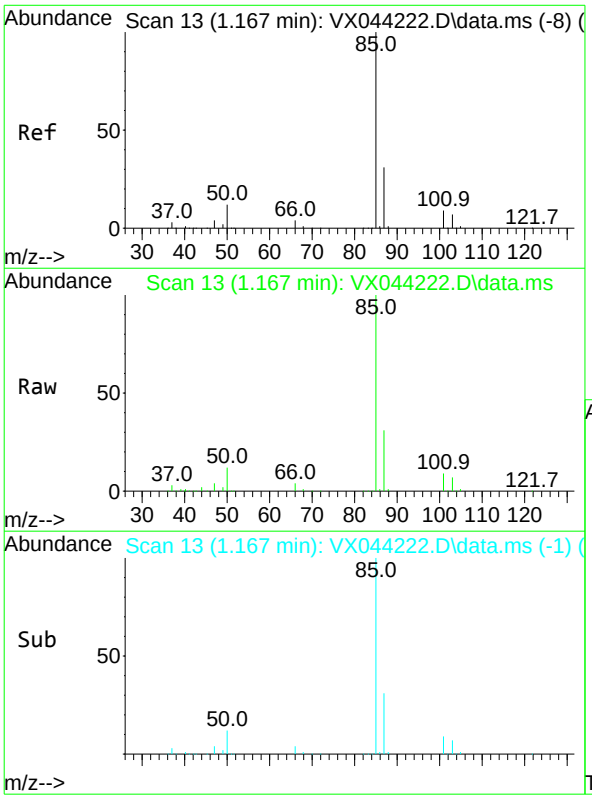
Ion	Ratio	Lower	Upper
168	100		
99	66.7	53.4	80.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

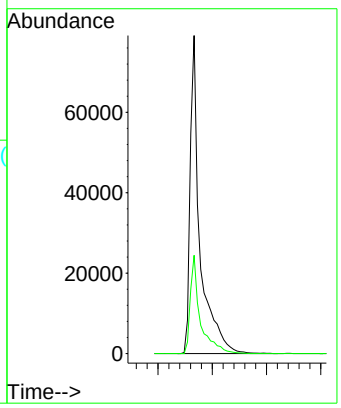


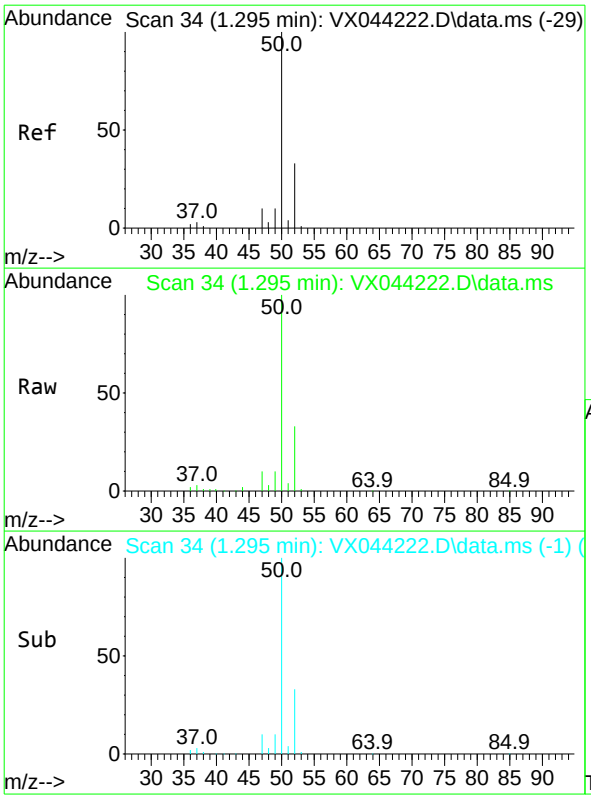


#2
Dichlorodifluoromethane
Concen: 50.957 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 85 Resp: 99052

Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.4	46.4





#3
Chloromethane
Concen: 51.097 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

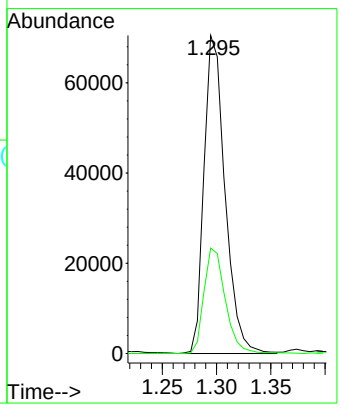
Tgt Ion: 50 Resp: 94981

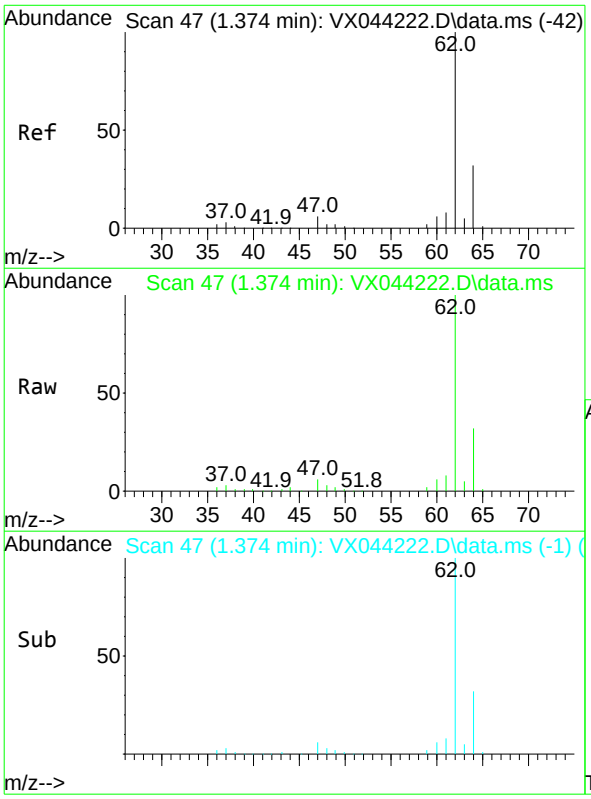
Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

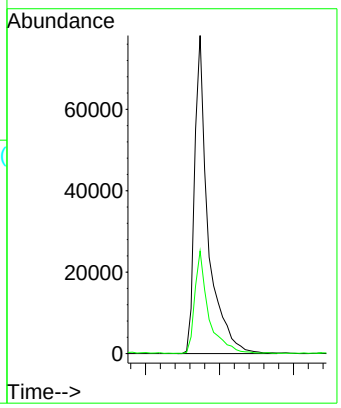


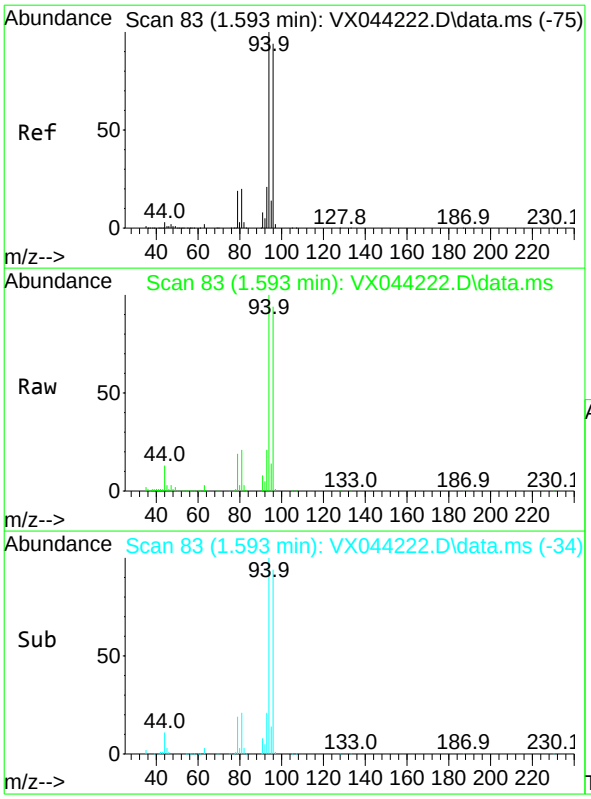


#4
Vinyl Chloride
Concen: 51.045 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 62 Resp: 98852

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.7	38.5





#5
Bromomethane
Concen: 50.405 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

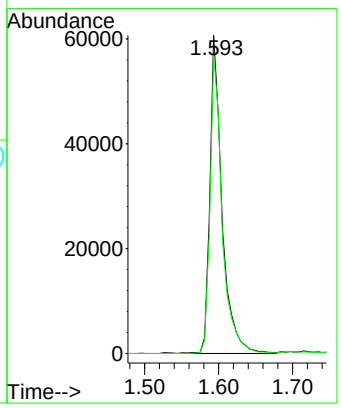
Tgt Ion: 94 Resp: 69250

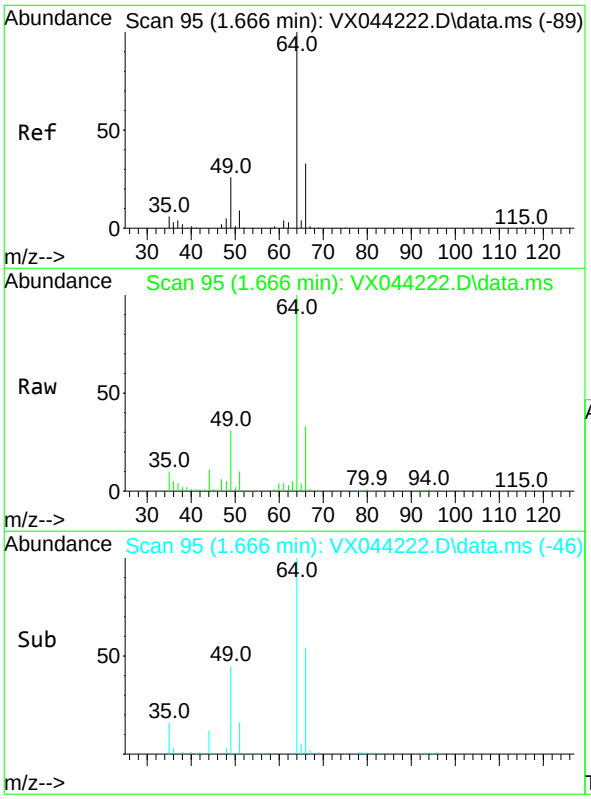
Ion	Ratio	Lower	Upper
94	100		
96	93.6	74.9	112.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

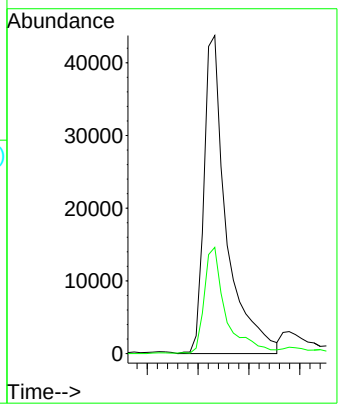


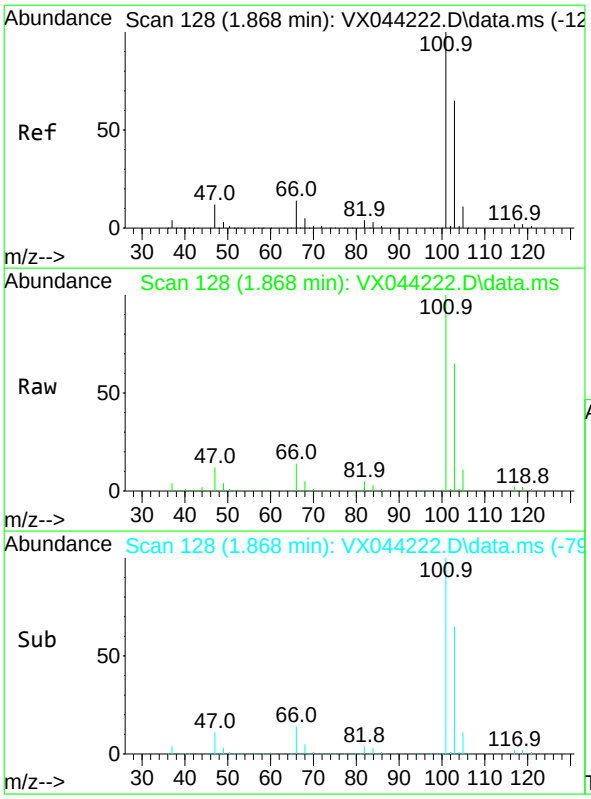


#6
Chloroethane
Concen: 55.448 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 64 Resp: 66862

Ion	Ratio	Lower	Upper
64	100		
66	33.2	26.6	39.8





#7
Trichlorofluoromethane
Concen: 51.086 ug/l
RT: 1.868 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:101 Resp: 193676

Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.8	77.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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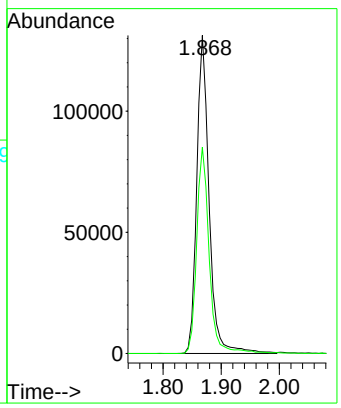
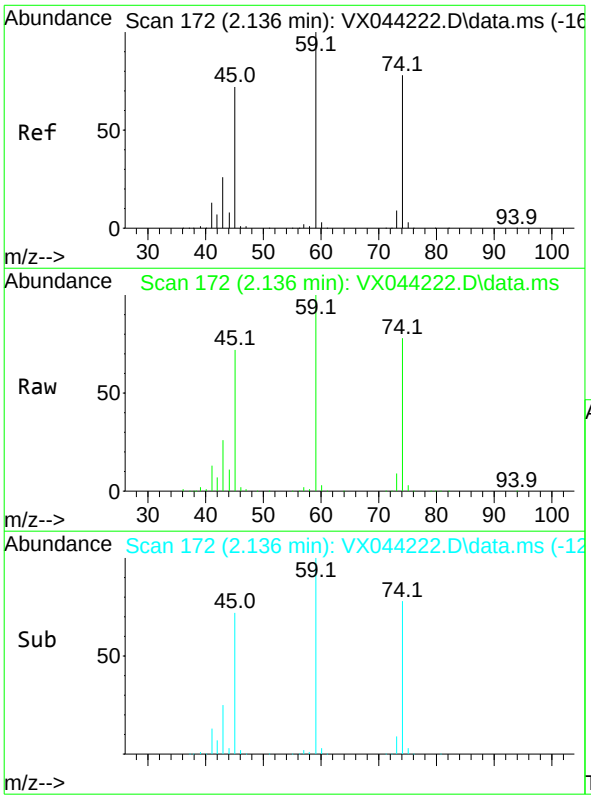
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

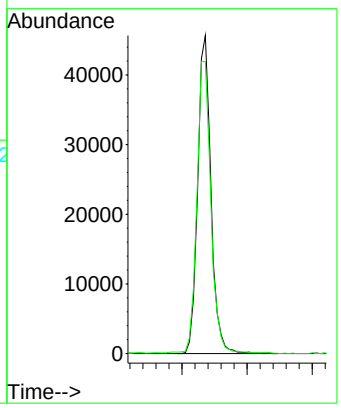


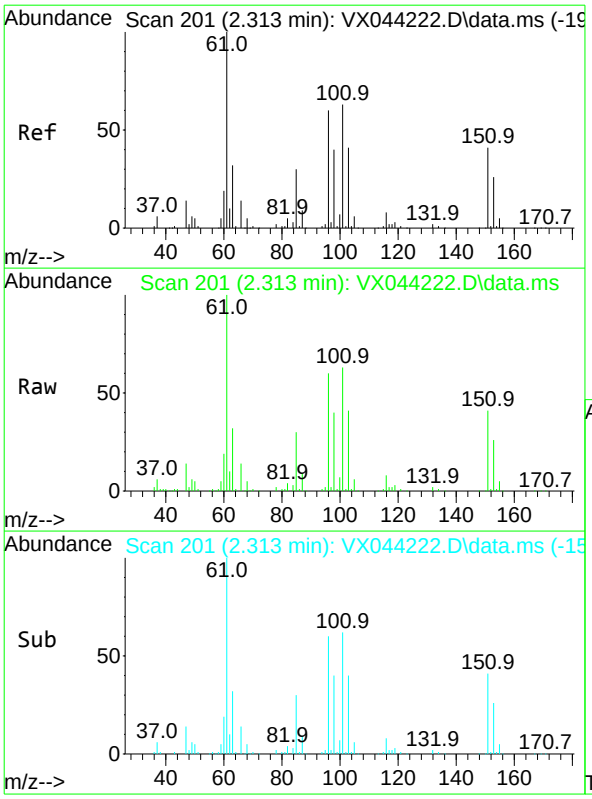


#8
Diethyl Ether
Concen: 49.875 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 74 Resp: 64542

Ion	Ratio	Lower	Upper
74	100		
45	96.7	48.4	145.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.371 ug/l
RT: 2.313 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

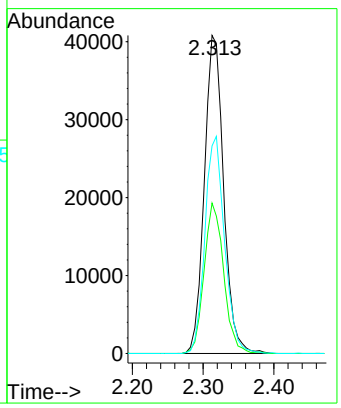
Tgt Ion:101 Resp: 77275

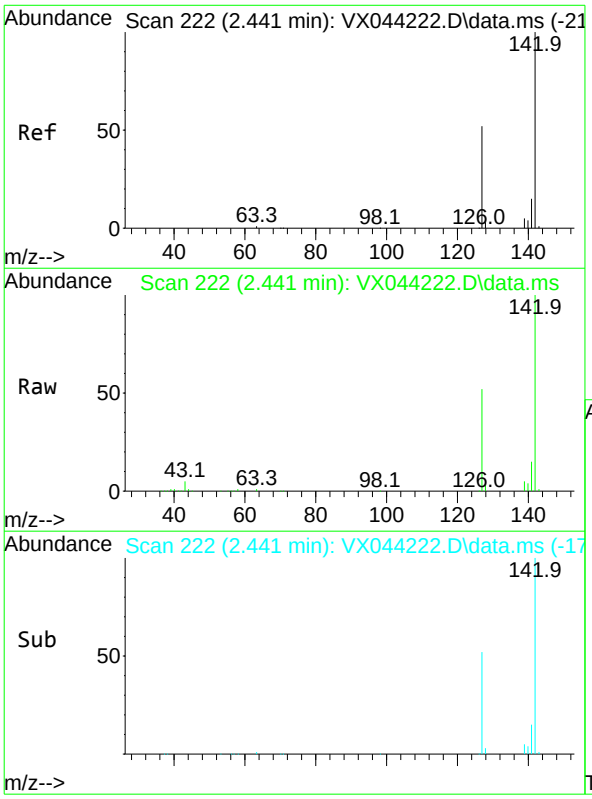
Ion	Ratio	Lower	Upper
101	100		
85	48.1	38.5	57.7
151	69.7	55.8	83.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

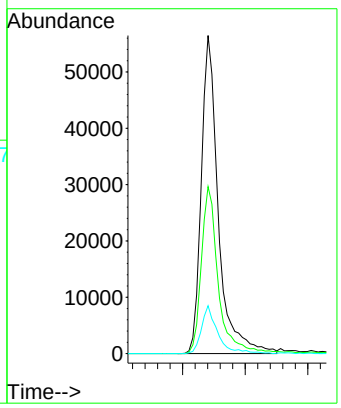


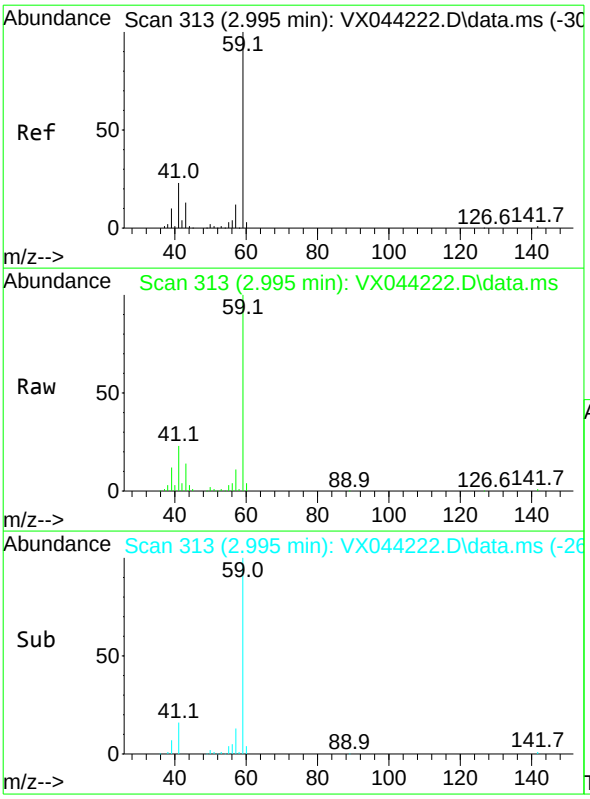


#10
Methyl Iodide
Concen: 52.678 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:142 Resp: 106509

Ion	Ratio	Lower	Upper
142	100		
127	52.3	41.8	62.8
141	14.4	11.5	17.3





#11
Tert butyl alcohol
Concen: 244.039 ug/l m
RT: 2.995 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

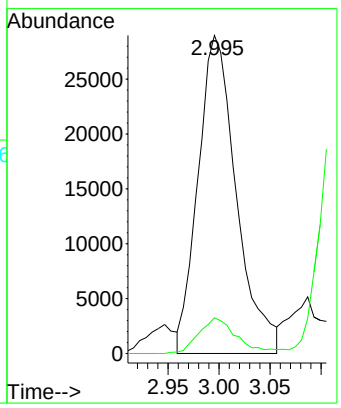
Tgt Ion: 59 Resp: 75690

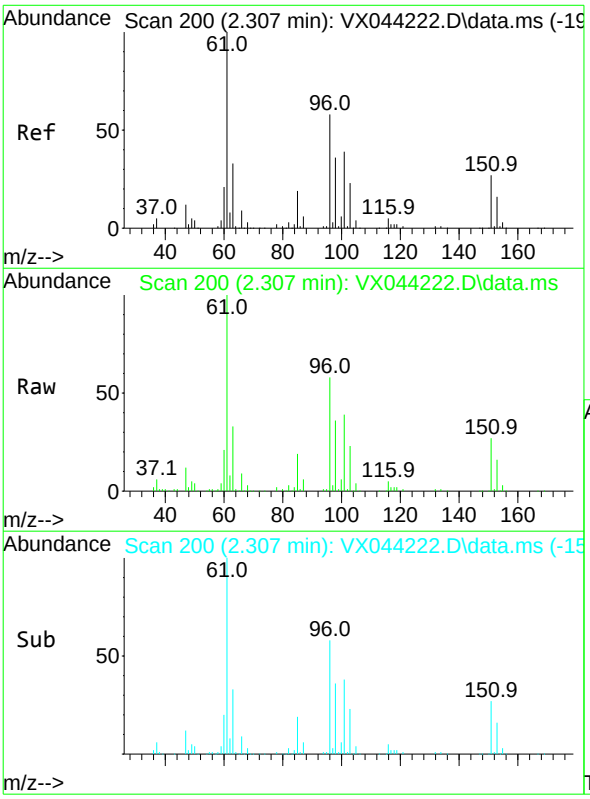
Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.8	13.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

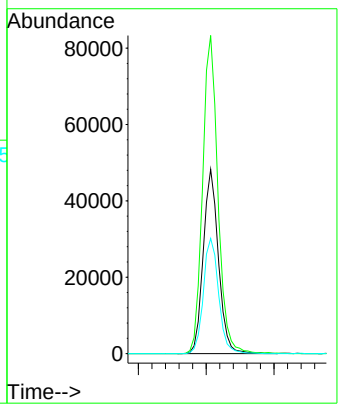


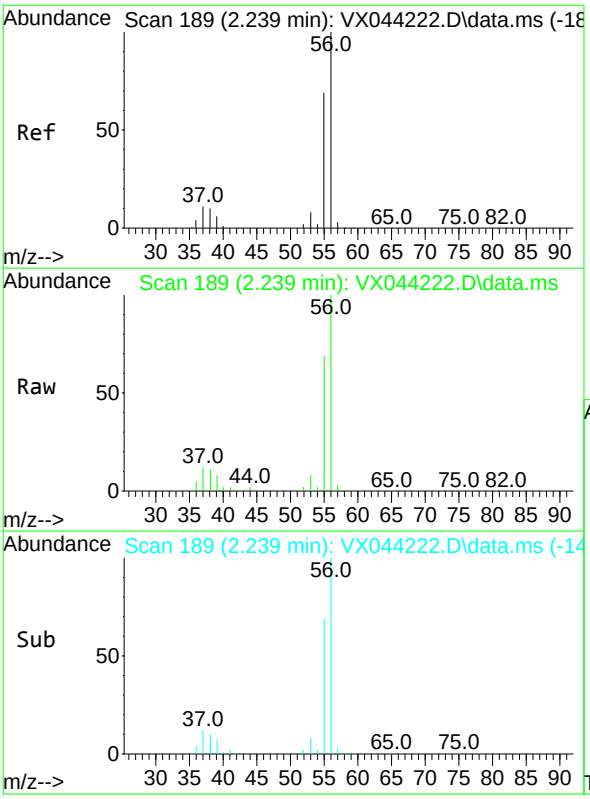


#12
1,1-Dichloroethene
Concen: 53.143 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 96 Resp: 74884

Ion	Ratio	Lower	Upper
96	100		
61	172.5	138.0	207.0
98	62.5	50.0	75.0





#13
Acrolein
Concen: 258.347 ug/l
RT: 2.239 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

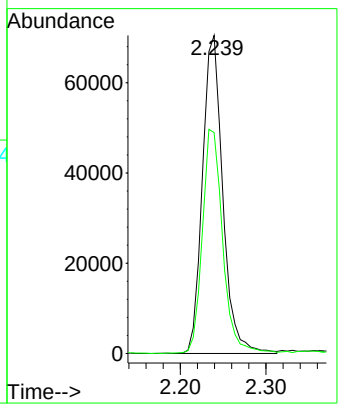
Tgt Ion: 56 Resp: 116171

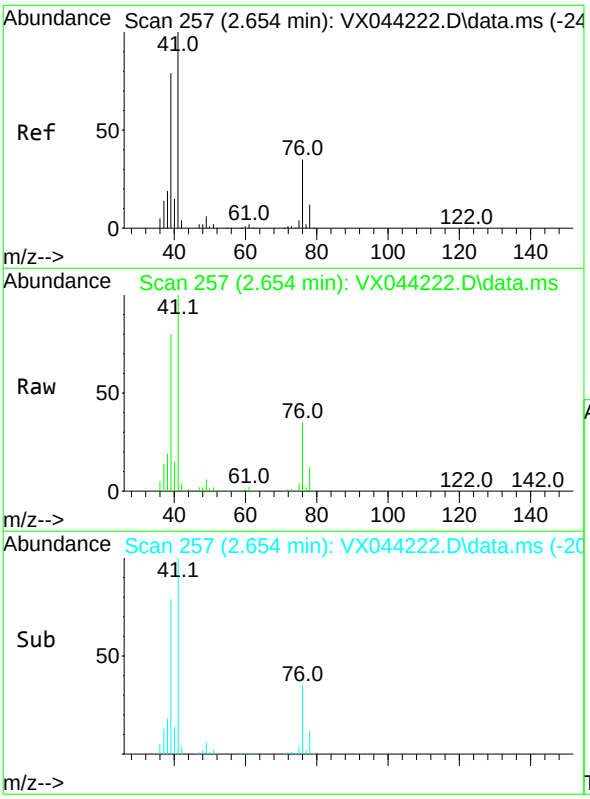
Ion	Ratio	Lower	Upper
56	100		
55	70.7	56.6	84.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

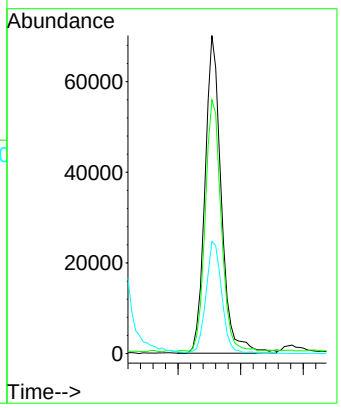


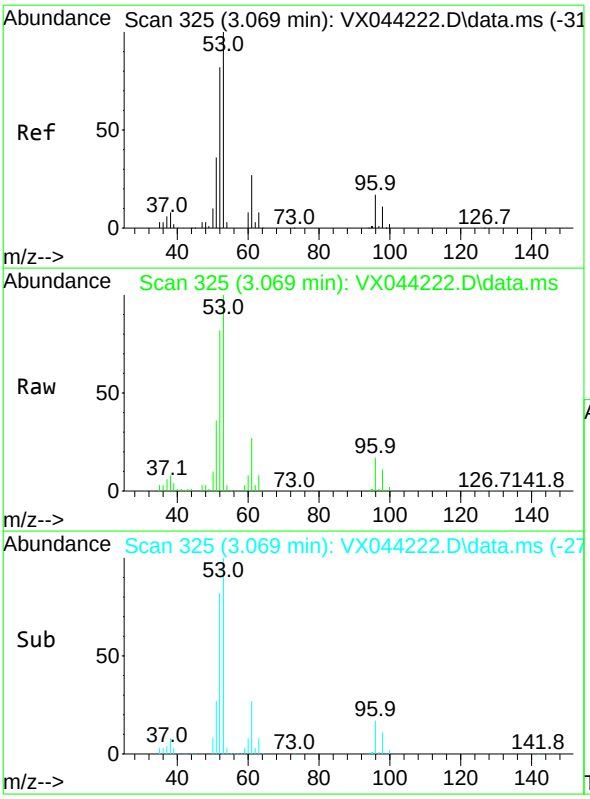


#14
Allyl chloride
Concen: 54.079 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 41 Resp: 126925

Ion	Ratio	Lower	Upper
41	100		
39	77.4	61.9	92.9
76	34.3	27.4	41.2





#15
Acrylonitrile
Concen: 261.859 ug/l
RT: 3.069 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

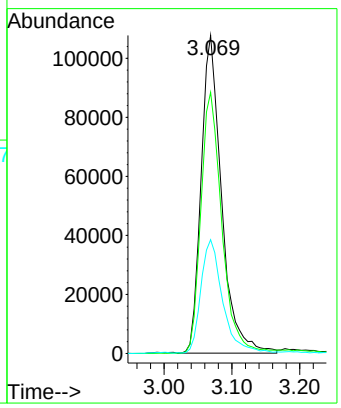
Tgt Ion: 53 Resp: 225330

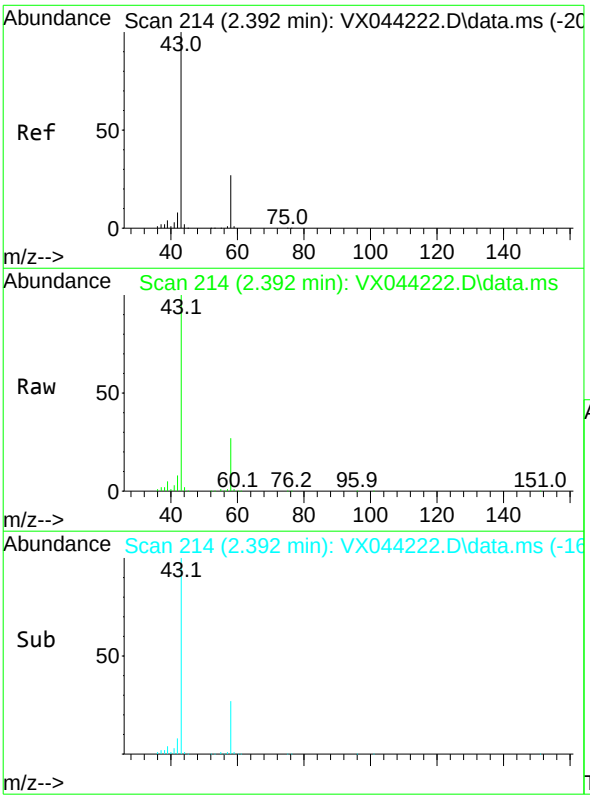
Ion	Ratio	Lower	Upper
53	100		
52	84.2	67.4	101.0
51	37.9	30.3	45.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

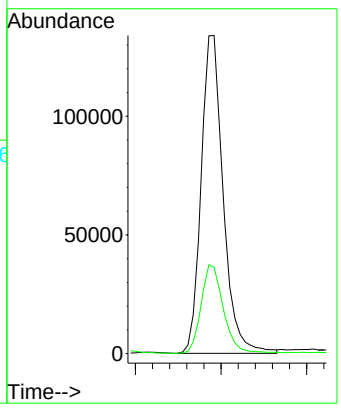


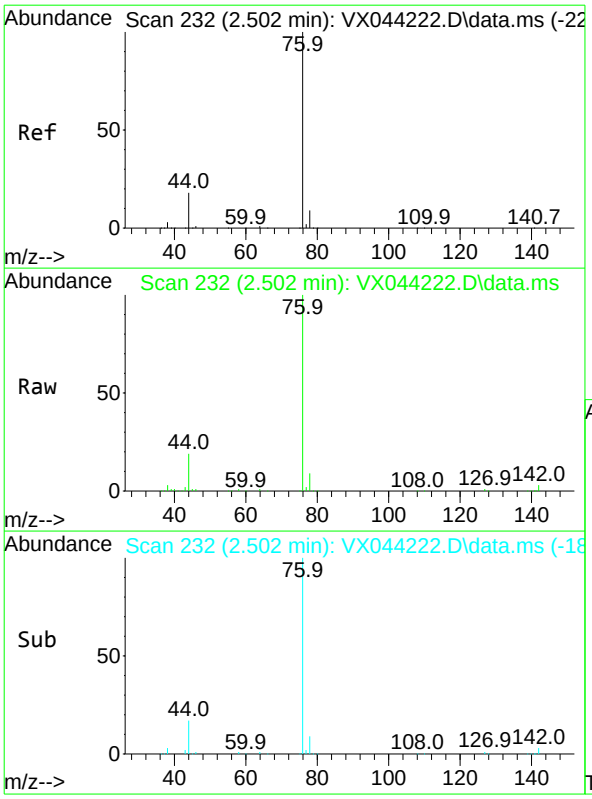


#16
Acetone
Concen: 266.704 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 43 Resp: 239661

Ion	Ratio	Lower	Upper
43	100		
58	27.0	21.6	32.4





#17
Carbon Disulfide
Concen: 53.994 ug/l
RT: 2.502 min Scan# 23
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

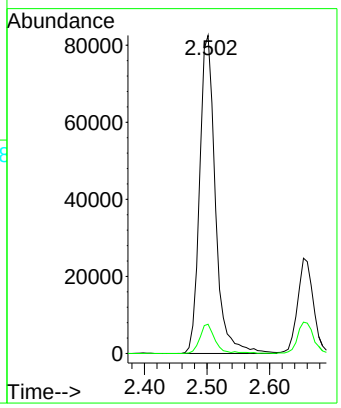
Tgt Ion: 76 Resp: 144624

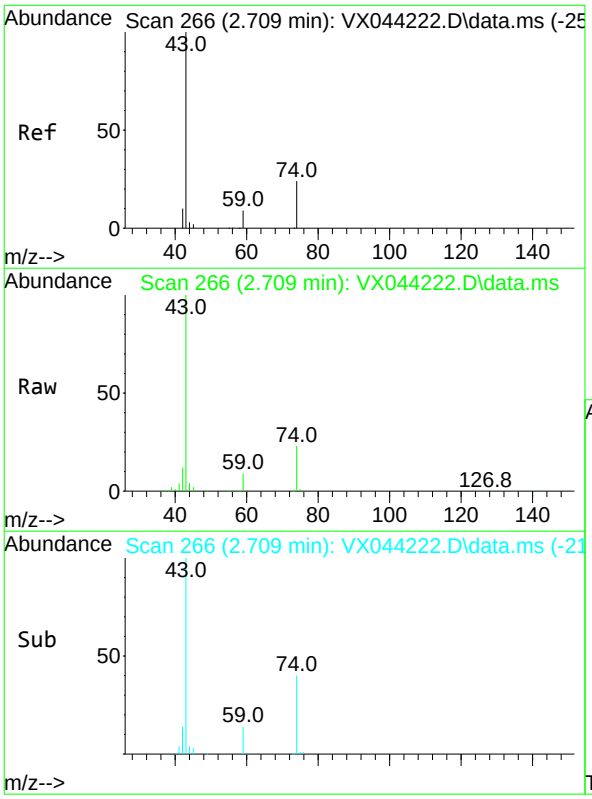
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

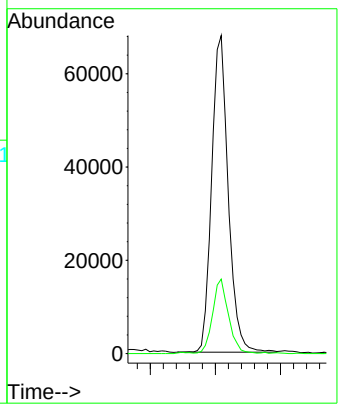


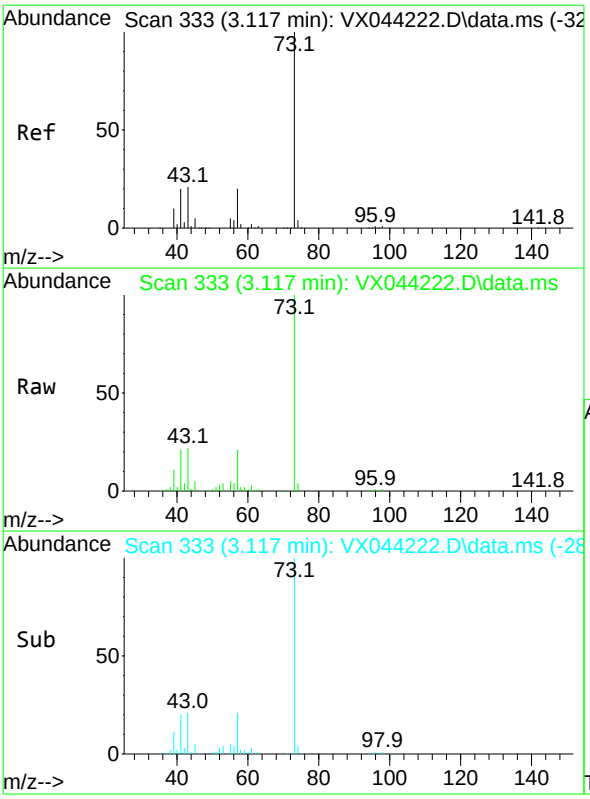


#18
Methyl Acetate
Concen: 51.710 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 43 Resp: 119808

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.7	26.5





#19
Methyl tert-butyl Ether
Concen: 52.691 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

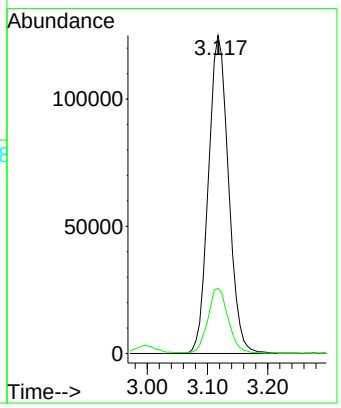
Tgt Ion: 73 Resp: 289735

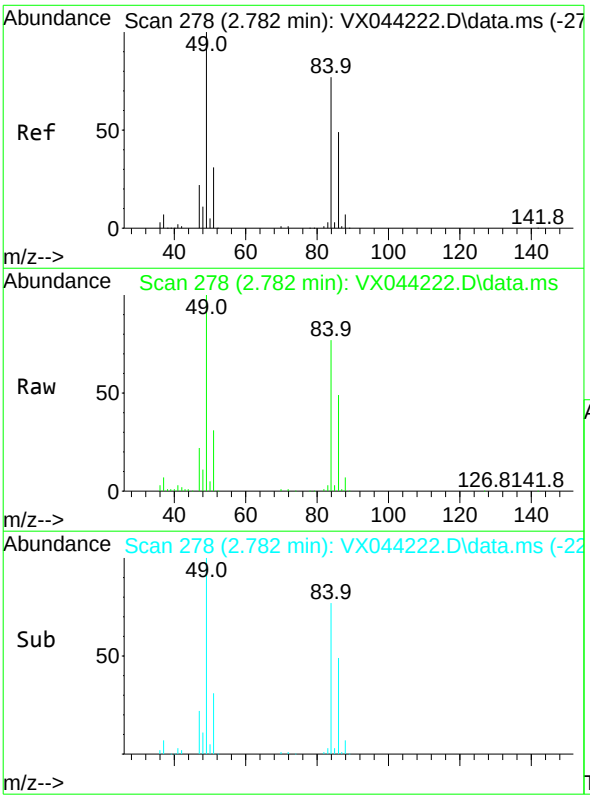
Ion	Ratio	Lower	Upper
73	100		
57	20.3	16.2	24.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

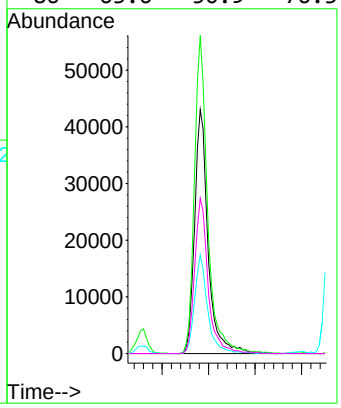


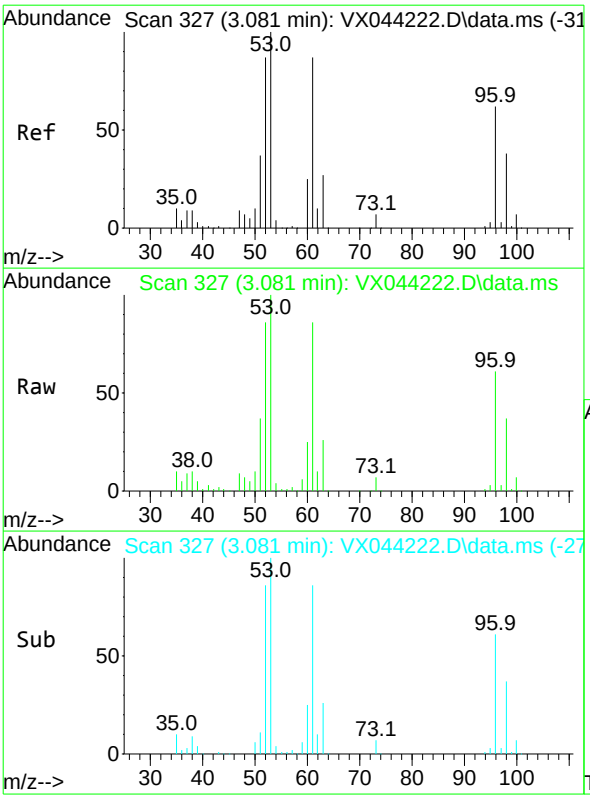


#20
Methylene Chloride
Concen: 51.305 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 84 Resp: 86593

Ion	Ratio	Lower	Upper
84	100		
49	130.3	104.2	156.4
51	40.3	32.2	48.4
86	63.6	50.9	76.3





#21
trans-1,2-Dichloroethene
Concen: 51.974 ug/l
RT: 3.081 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

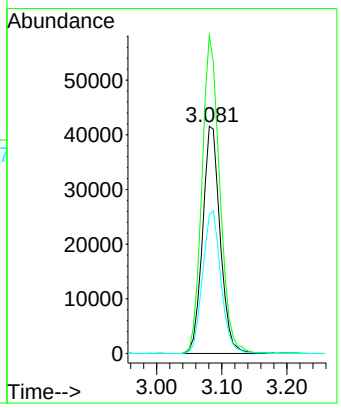
Tgt Ion: 96 Resp: 77834

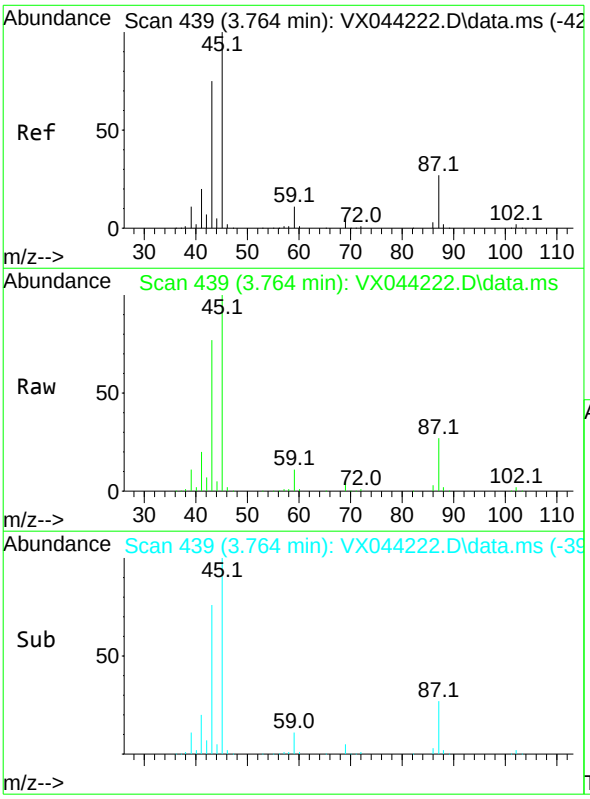
Ion	Ratio	Lower	Upper
96	100		
61	140.0	112.0	168.0
98	61.0	48.8	73.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

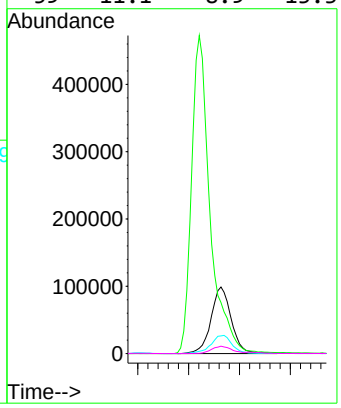


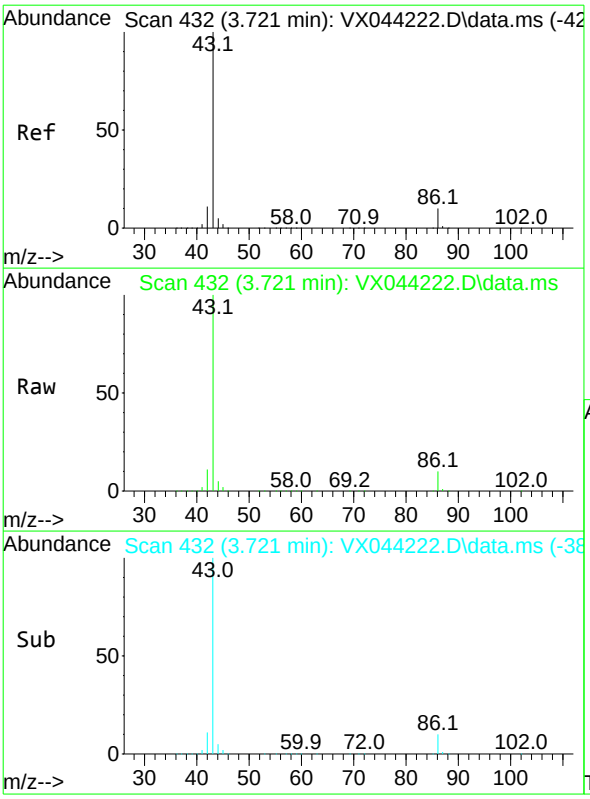


#22
Diisopropyl ether
Concen: 51.662 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 45 Resp: 273039

Ion	Ratio	Lower	Upper
45	100		
43	75.2	60.2	90.2
87	26.5	21.2	31.8
59	11.1	8.9	13.3





#23
Vinyl Acetate
Concen: 279.754 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 43 Resp: 1202044

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.2	12.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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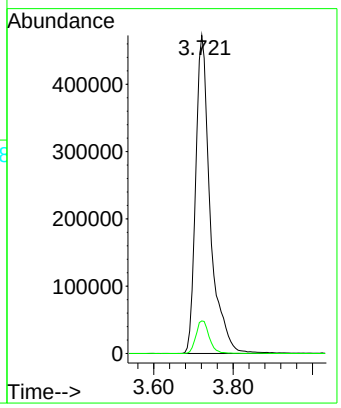
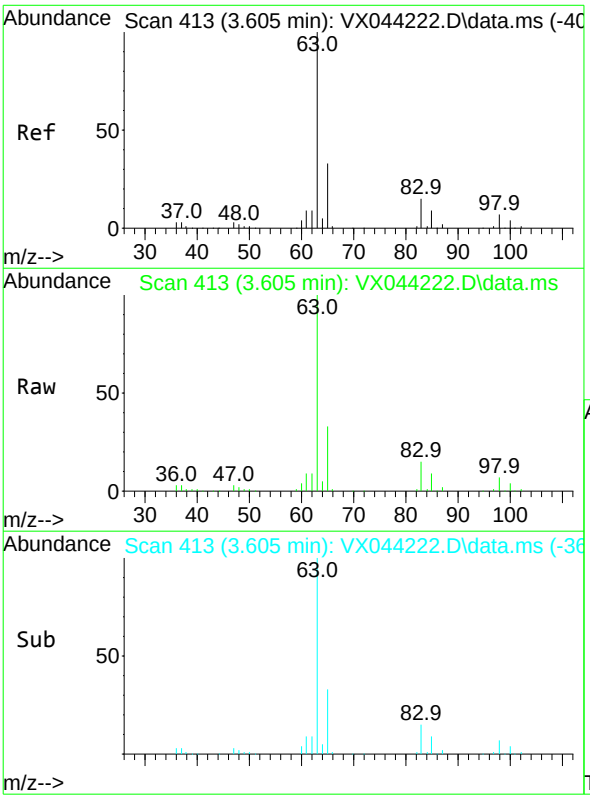
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

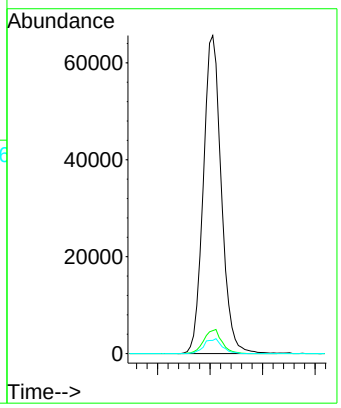


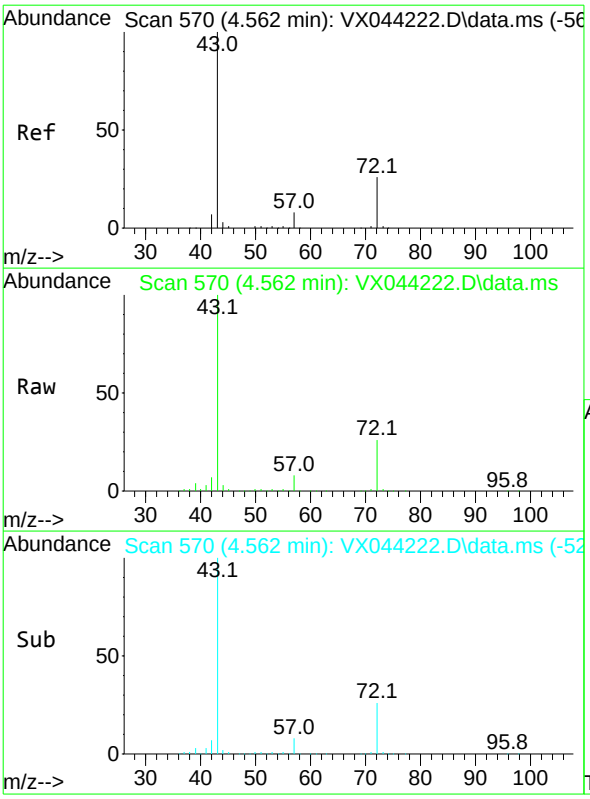


#24
1,1-Dichloroethane
Concen: 53.093 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 63 Resp: 156412

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.6	10.8
100	4.2	2.1	6.3





#25
2-Butanone
Concen: 269.797 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 43 Resp: 344663

Ion	Ratio	Lower	Upper
43	100		
72	25.3	20.2	30.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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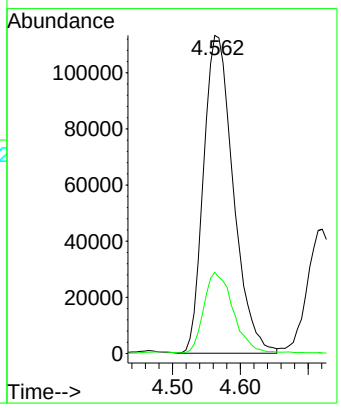
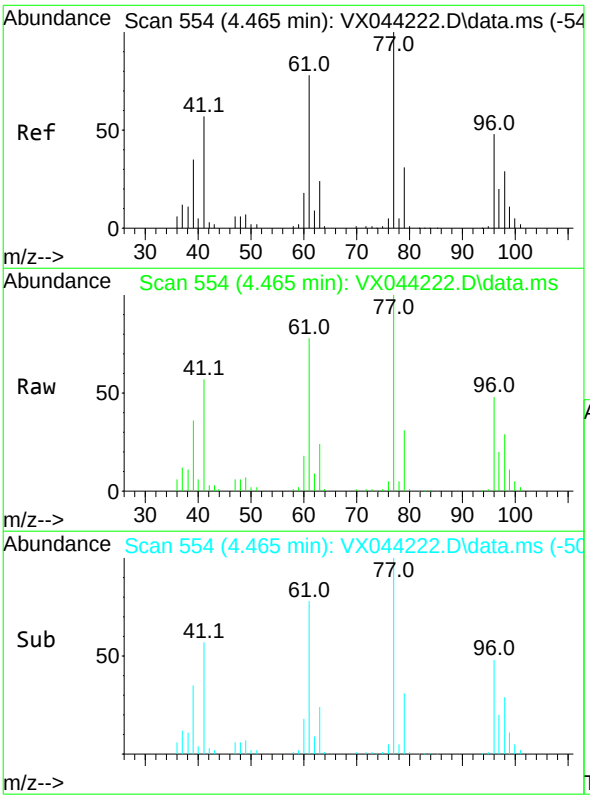
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

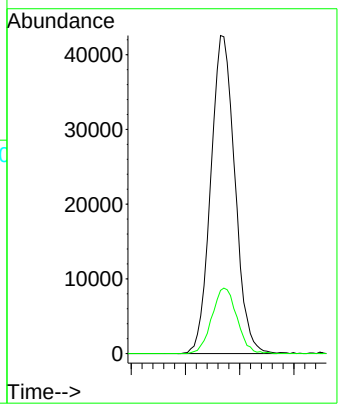


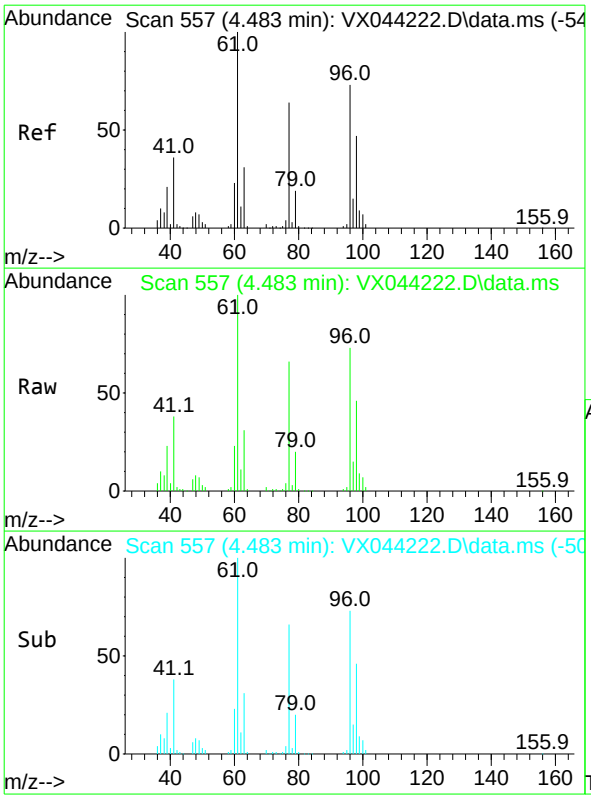


#26
2,2-Dichloropropane
Concen: 54.914 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 77 Resp: 131428

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 51.007 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 96 Resp: 97013

Ion	Ratio	Lower	Upper
96	100		
61	149.5	0.0	299.0
98	64.5	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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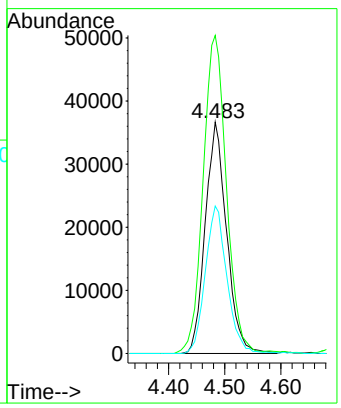
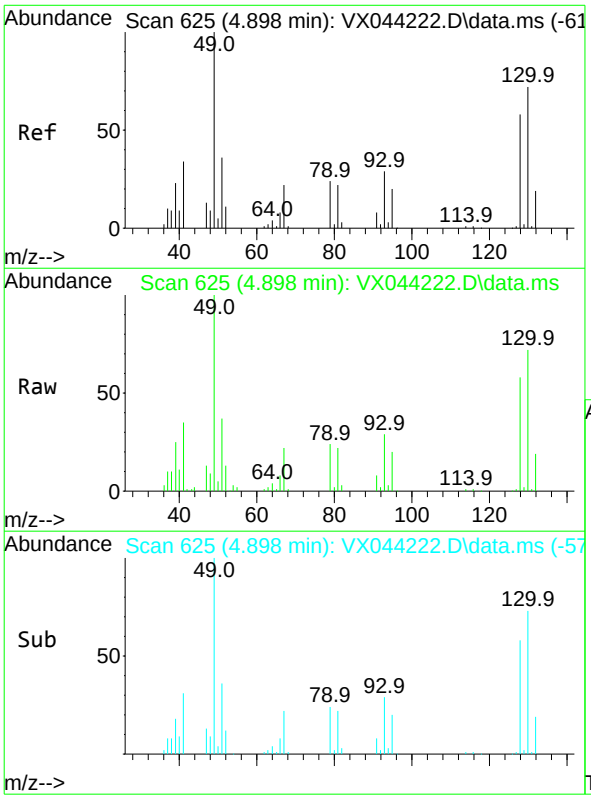
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

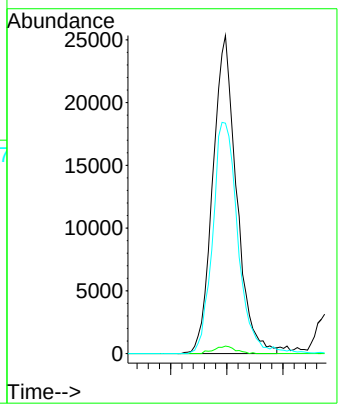


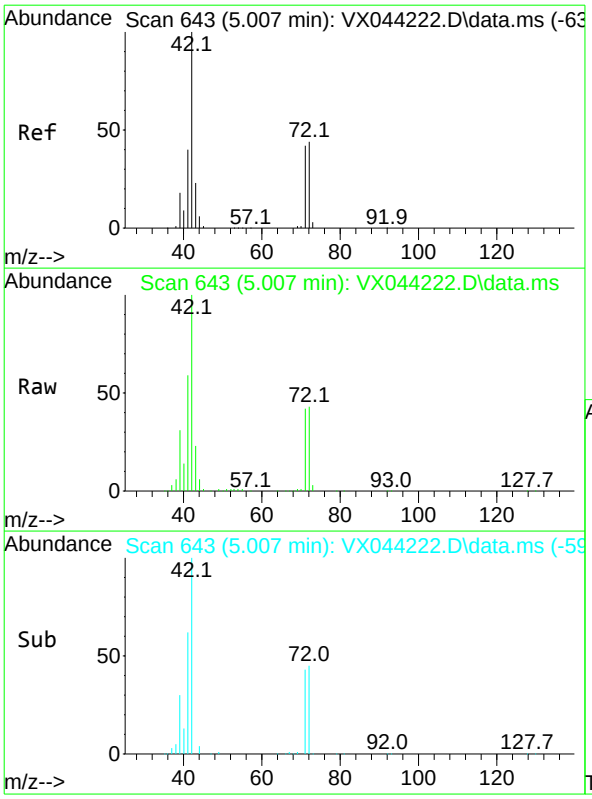


#28
Bromochloromethane
Concen: 51.555 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 49 Resp: 74477

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	77.6	62.1	93.1





#29
Tetrahydrofuran
Concen: 258.669 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

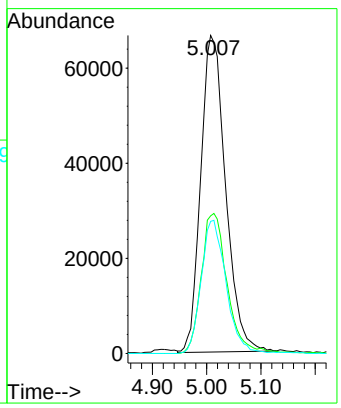
Tgt Ion: 42 Resp: 212103

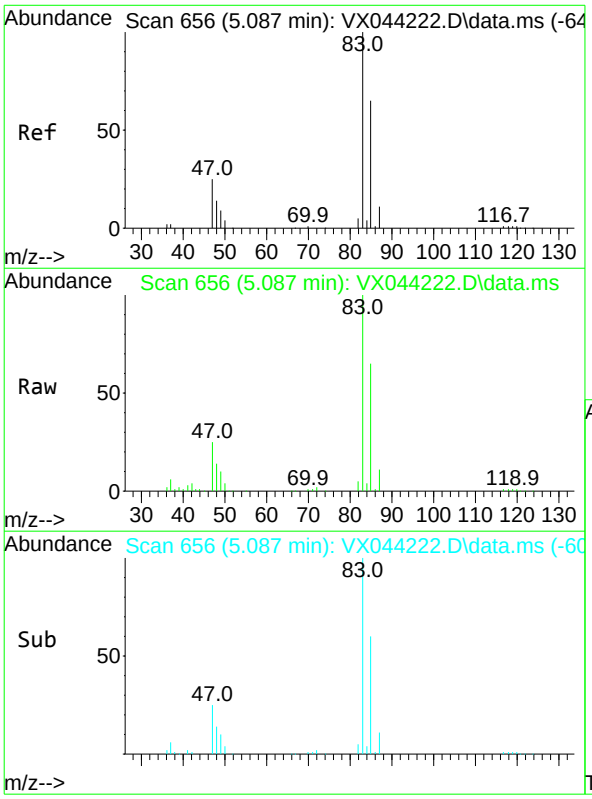
Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.0	55.6
71	42.0	33.6	50.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

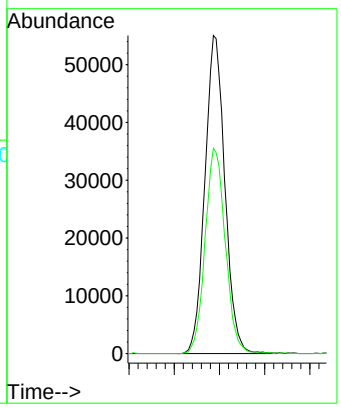


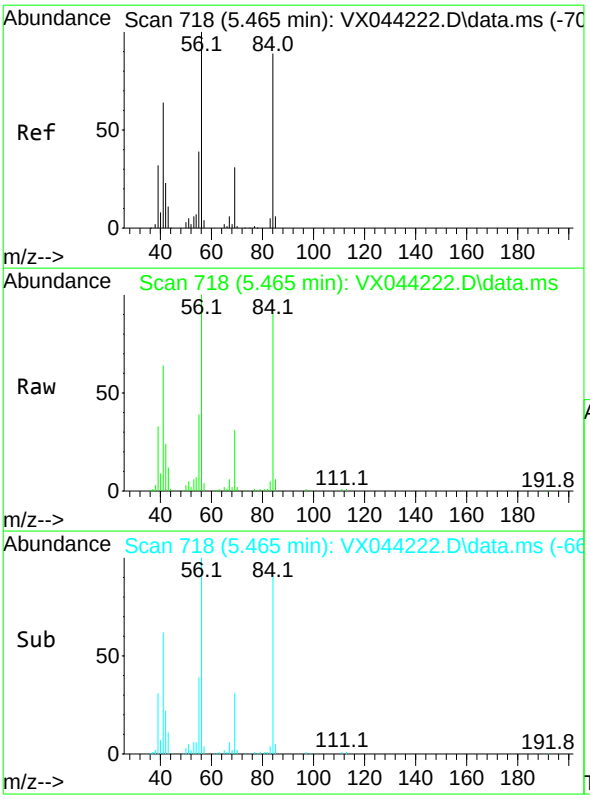


#30
Chloroform
Concen: 51.017 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 83 Resp: 168864

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4





#31
Cyclohexane
Concen: 51.637 ug/l
RT: 5.465 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

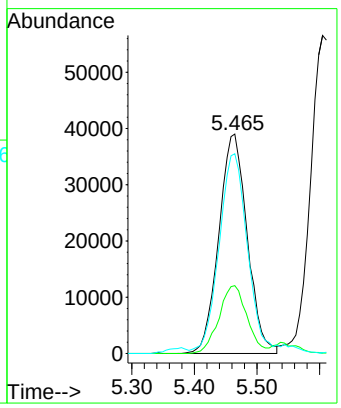
Tgt Ion: 56 Resp: 122841

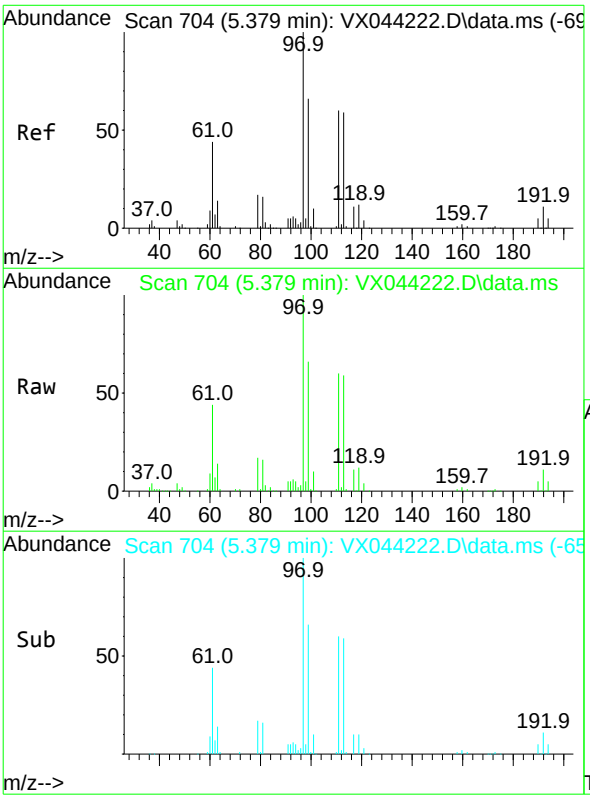
Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.7	37.1
84	88.8	71.0	106.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

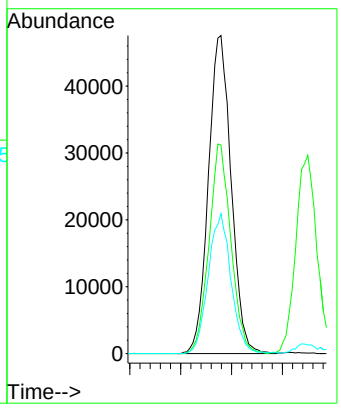


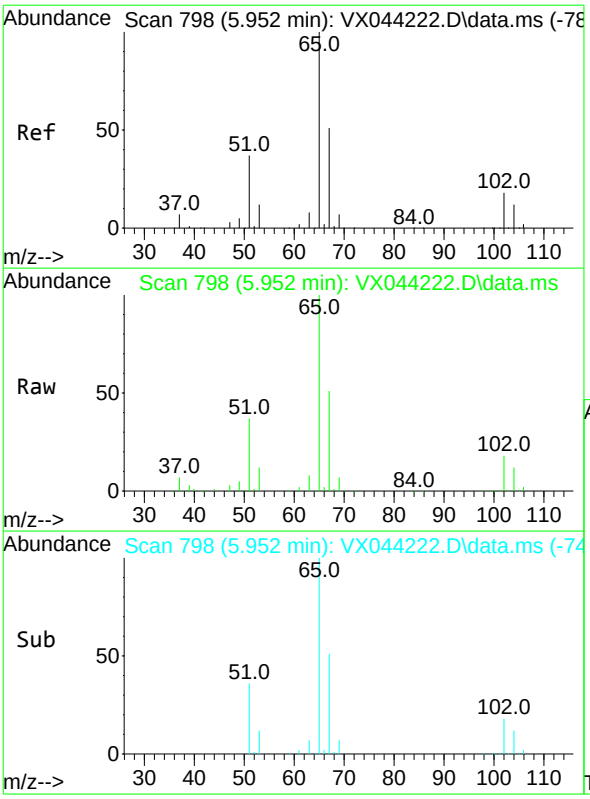


#32
1,1,1-Trichloroethane
Concen: 53.806 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 97 Resp: 147834

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.8	76.2
61	44.0	35.2	52.8





#33
1,2-Dichloroethane-d4
Concen: 52.544 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 65 Resp: 115815

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	101.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 12/12/2024
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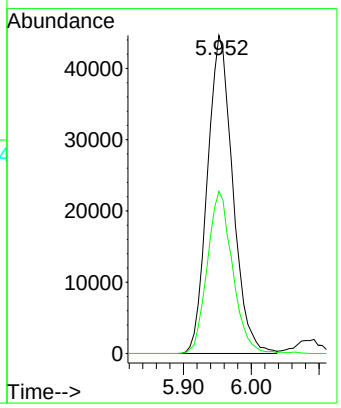
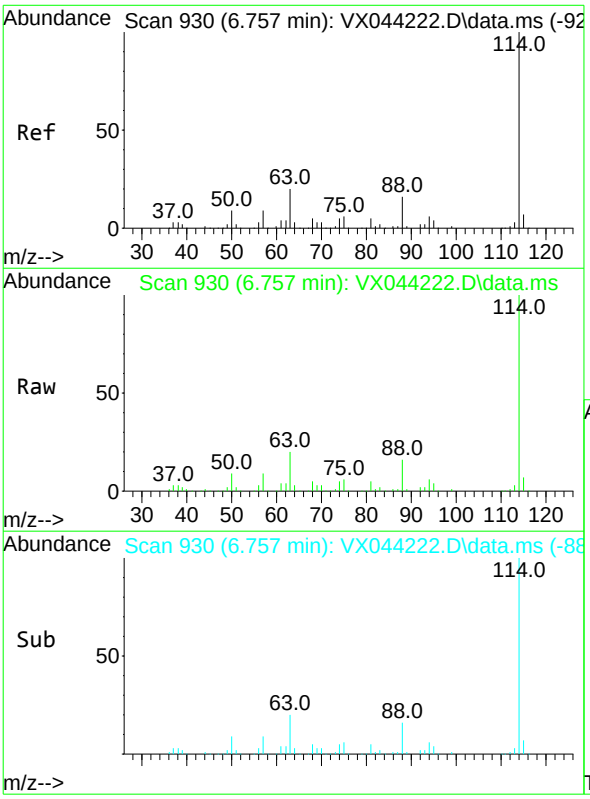
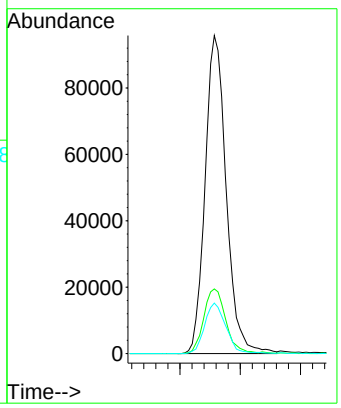


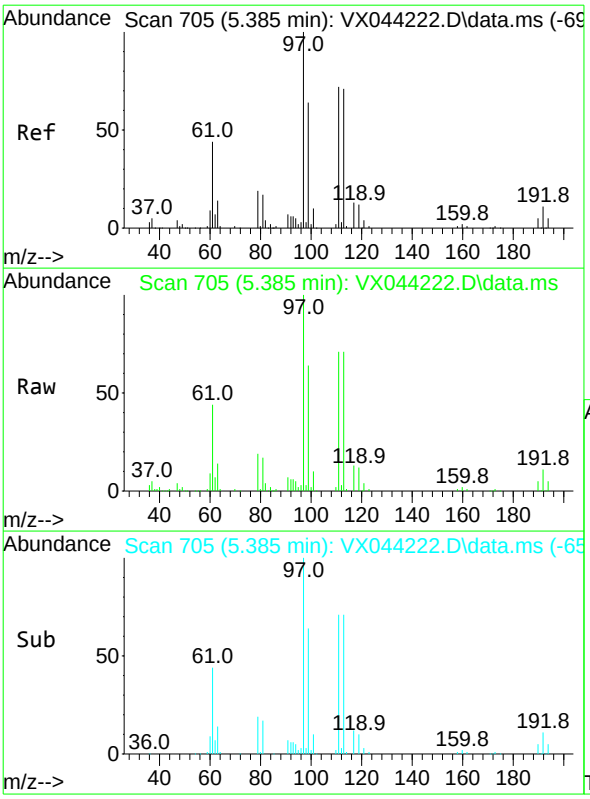


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:114 Resp: 233488

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.6
88	15.9	0.0	31.8





#35
Dibromofluoromethane
Concen: 52.968 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:113 Resp: 85656

Ion	Ratio	Lower	Upper
113	100		
111	100.5	80.4	120.6
192	16.6	13.3	19.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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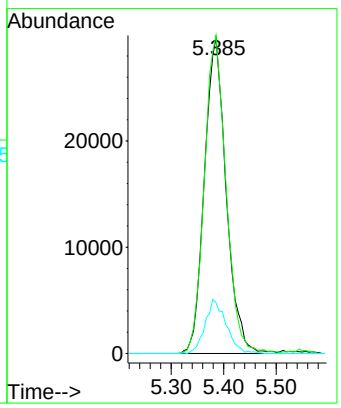
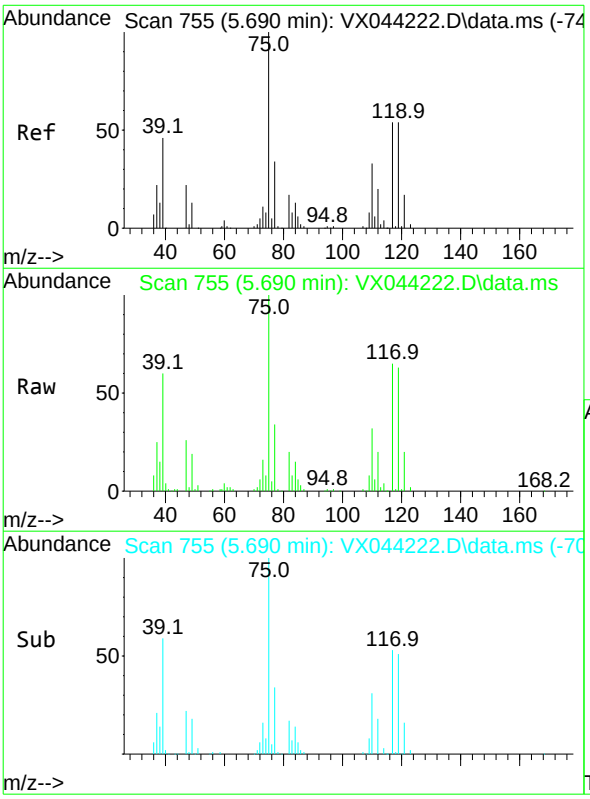
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

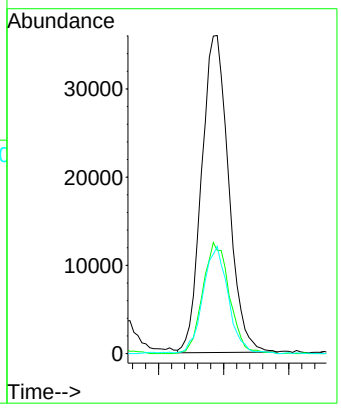


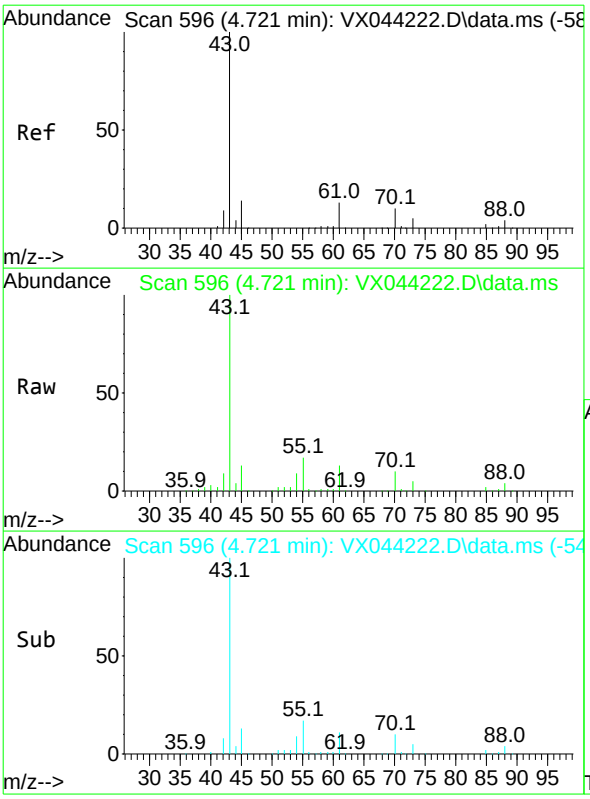


#36
1,1-Dichloropropene
Concen: 49.638 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 75 Resp: 103760

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.3	51.7
77	31.7	25.4	38.0





#37
Ethyl Acetate
Concen: 52.537 ug/l
RT: 4.721 min Scan# 59
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

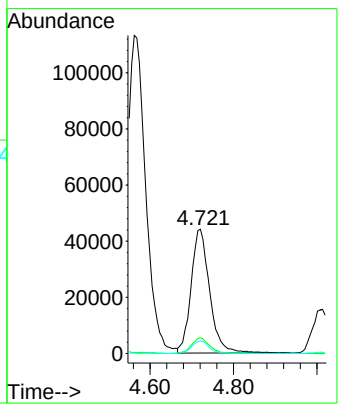
Tgt Ion: 43 Resp: 135753

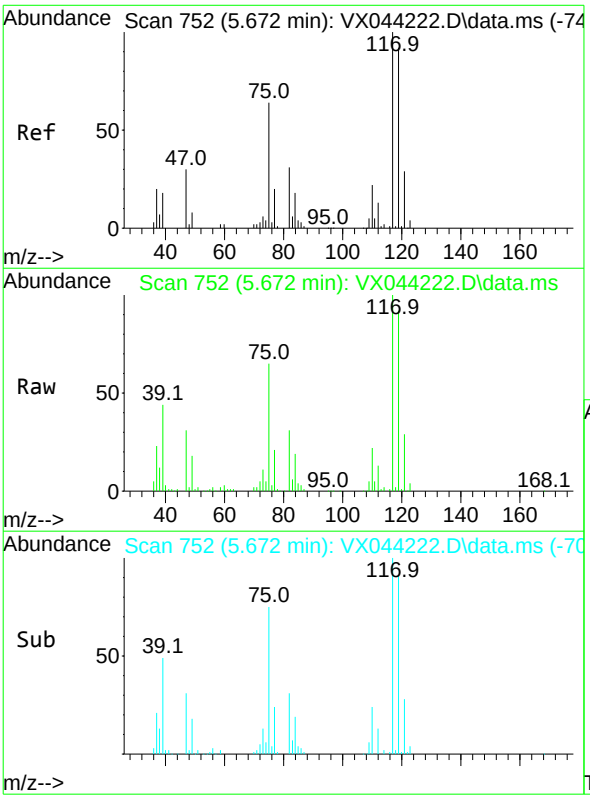
Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.8	14.8
70	9.6	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

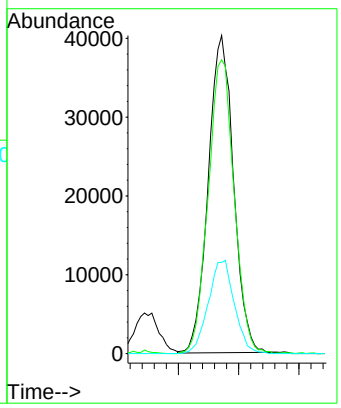


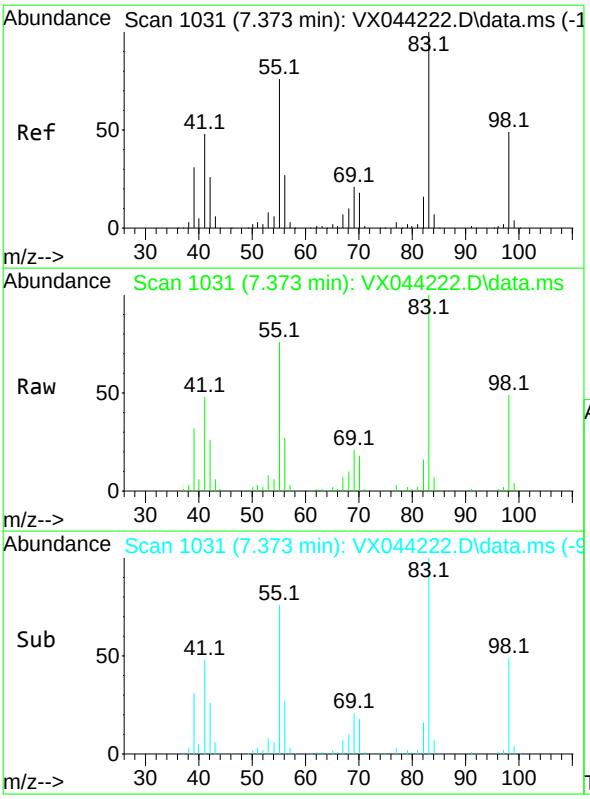


#38
Carbon Tetrachloride
Concen: 52.023 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:117 Resp: 117076

Ion	Ratio	Lower	Upper
117	100		
119	92.8	74.2	111.4
121	28.8	23.0	34.6





#39
Methylcyclohexane
Concen: 51.901 ug/l
RT: 7.373 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 83 Resp: 129697

Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.7	91.1
98	48.6	38.9	58.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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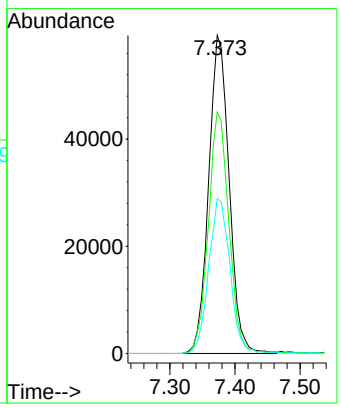
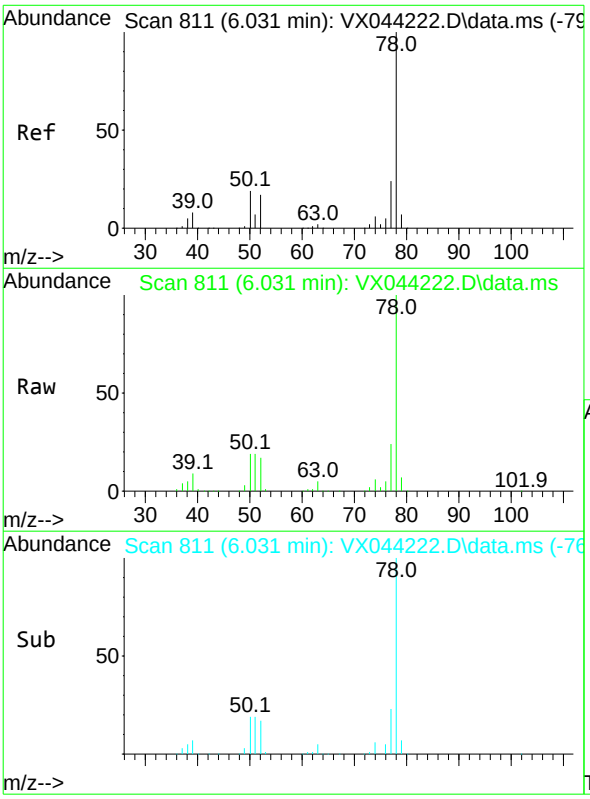
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

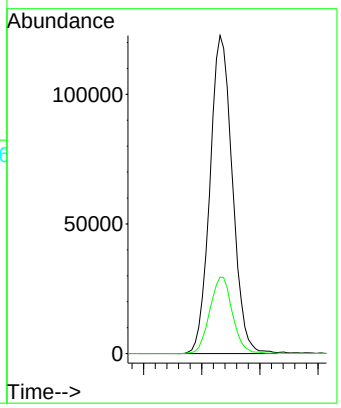


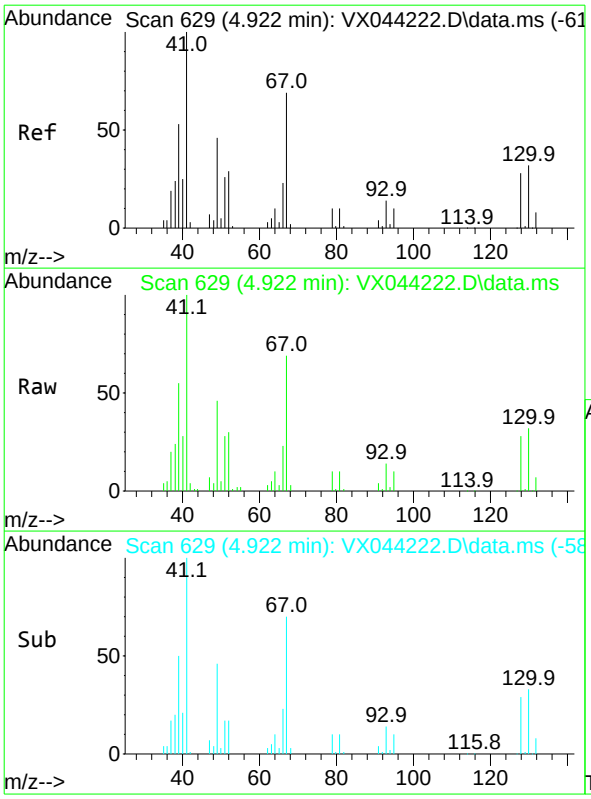


#40
Benzene
Concen: 51.863 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 78 Resp: 329154

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





#41
Methacrylonitrile
Concen: 51.329 ug/l
RT: 4.922 min Scan# 62
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 41 Resp: 70427

Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.2	66.4
67	71.5	57.2	85.8
52	30.8	24.6	37.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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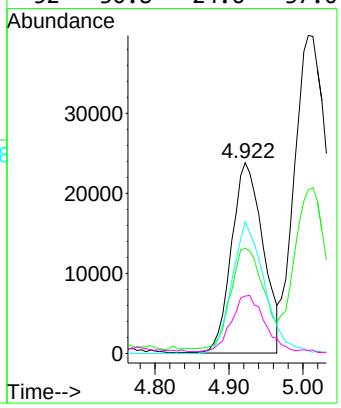
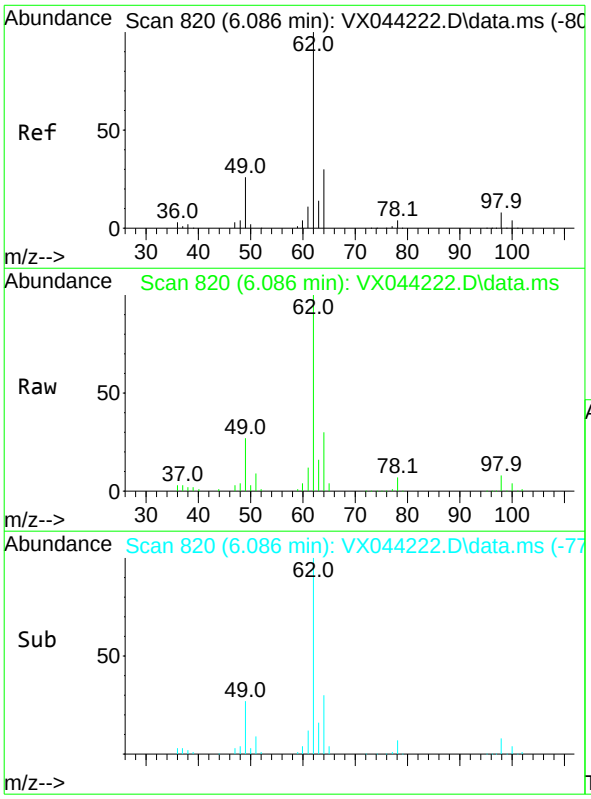
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

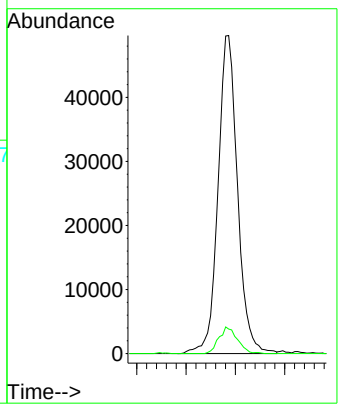


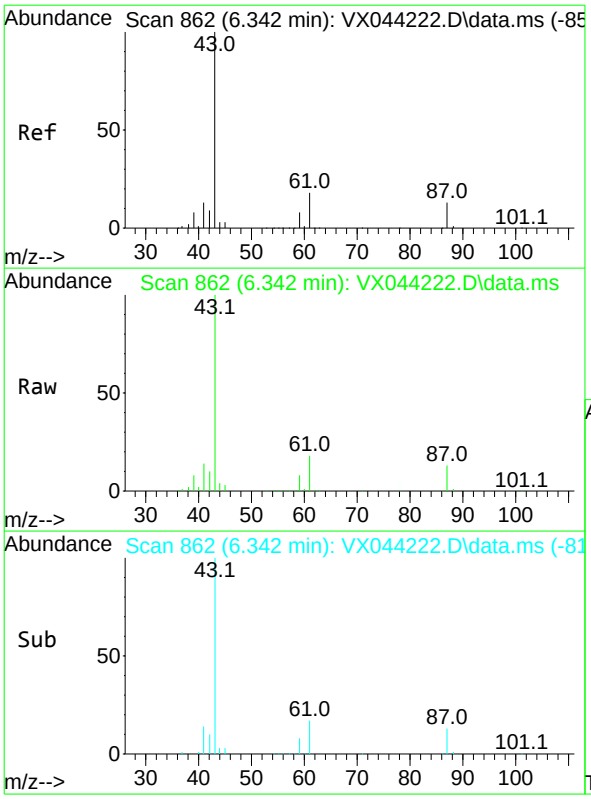


#42
1,2-Dichloroethane
Concen: 52.138 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 62 Resp: 136309

Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8





#43
Isopropyl Acetate
Concen: 52.961 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 43 Resp: 213891

Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.2	21.2
87	12.7	10.2	15.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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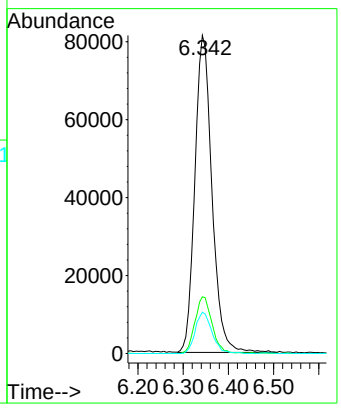
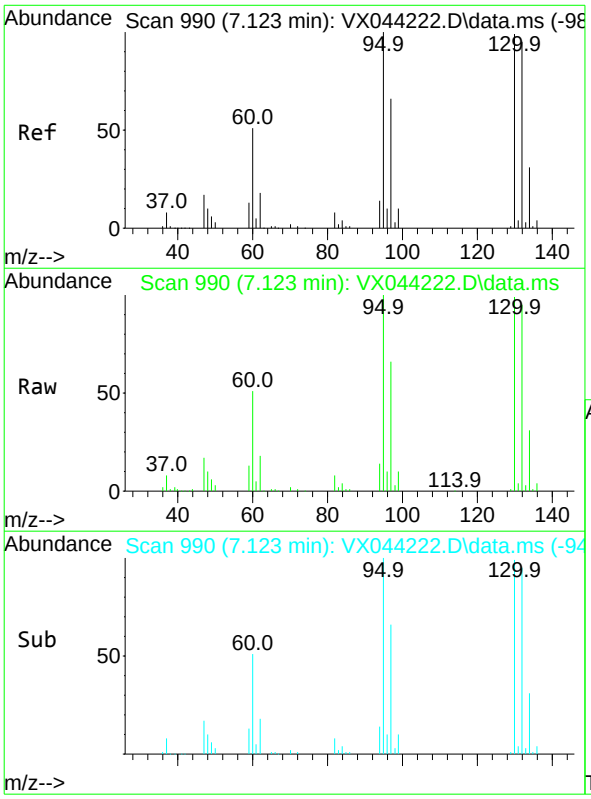
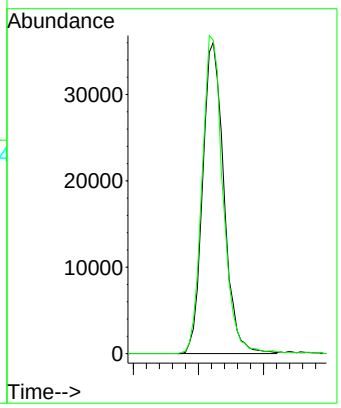


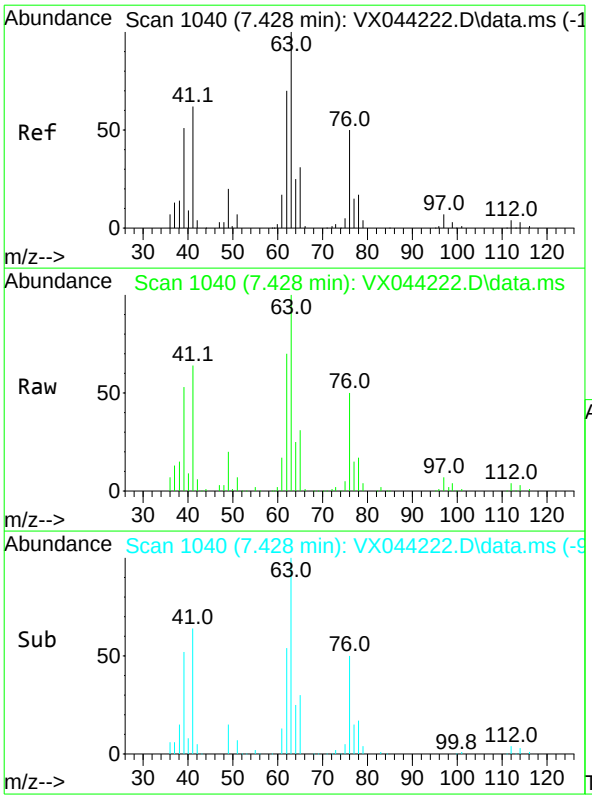


#44
Trichloroethene
Concen: 51.521 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:130 Resp: 81542

Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	201.4





#45
1,2-Dichloropropane
Concen: 51.420 ug/l
RT: 7.428 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 63 Resp: 83376

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	37.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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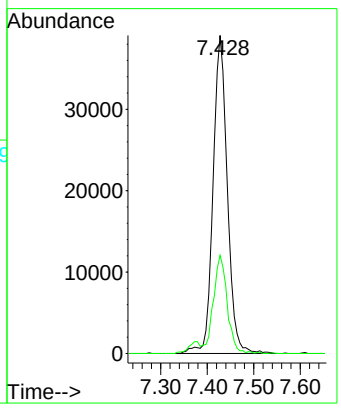
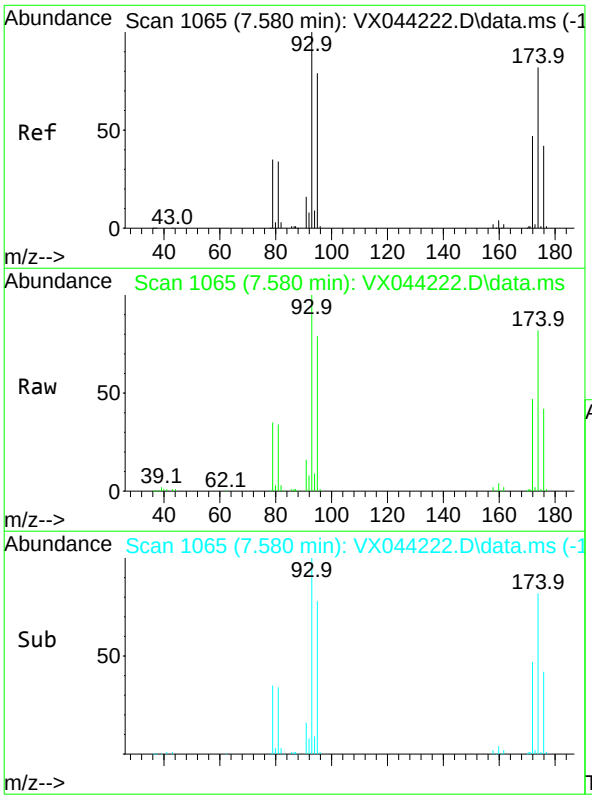
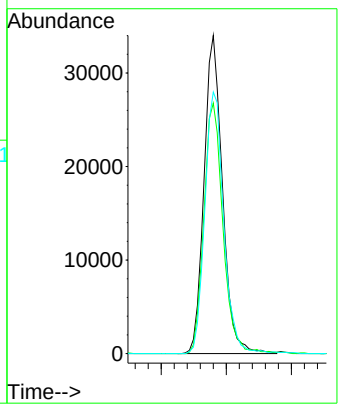


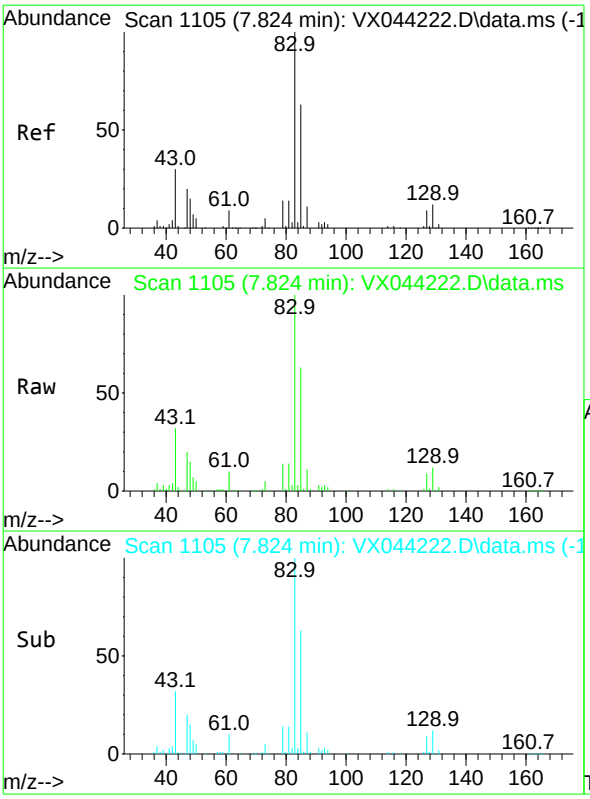


#46
Dibromomethane
Concen: 53.092 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 93 Resp: 66786

Ion	Ratio	Lower	Upper
93	100		
95	81.8	65.4	98.2
174	84.9	67.9	101.9





#47
Bromodichloromethane
Concen: 54.607 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 83 Resp: 118634

Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	75.8
127	9.1	7.3	10.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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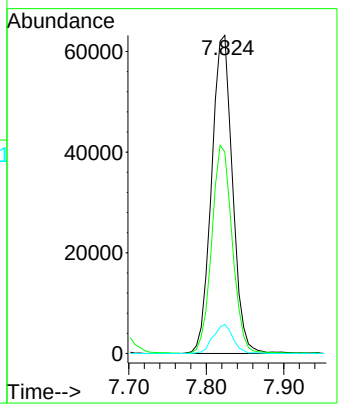
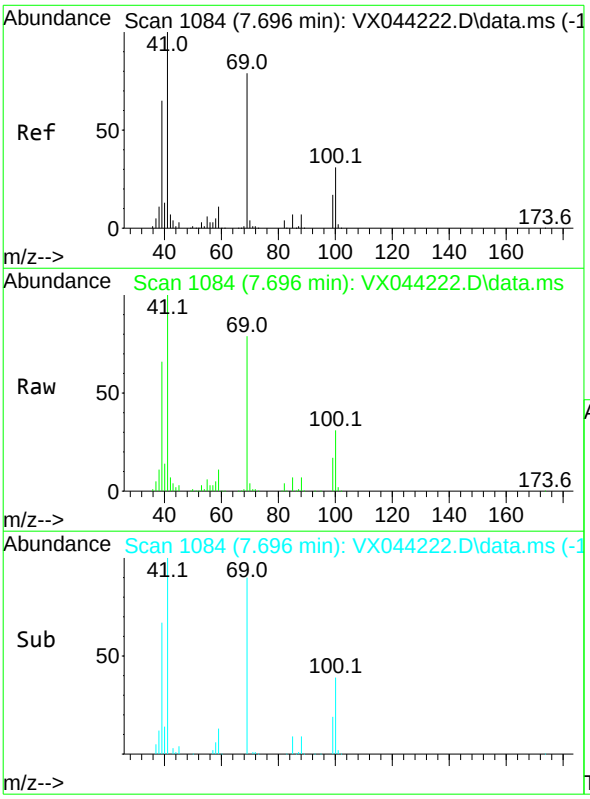
Supervised By :Mahesh Dadoda 12/12/2024

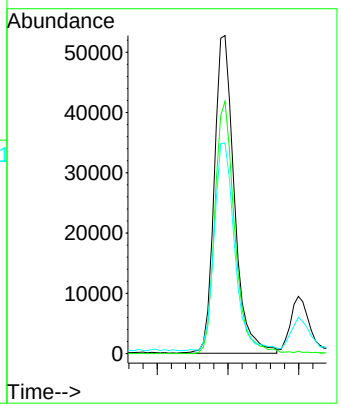


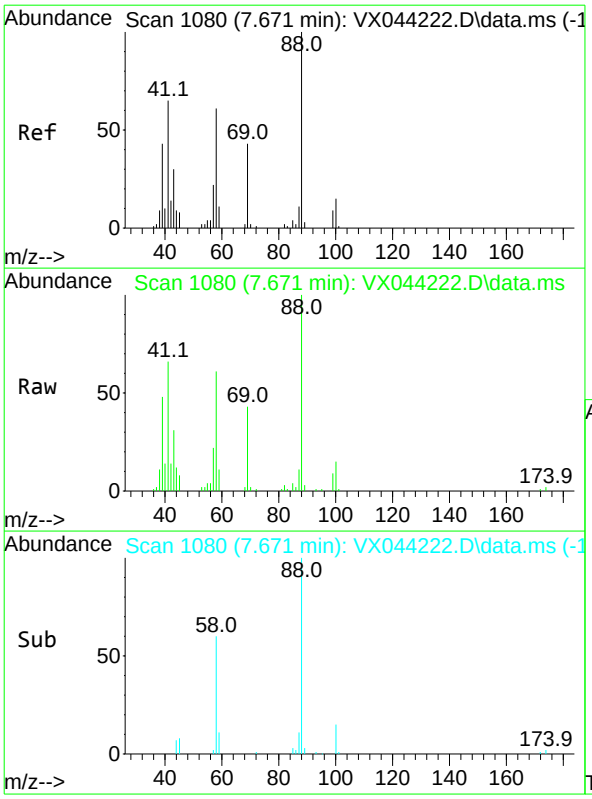


#48
Methyl methacrylate
Concen: 52.909 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 41 Resp: 103726

Ion	Ratio	Lower	Upper
41	100		
69	78.0	62.4	93.6
39	66.6	53.3	79.9





#49
1,4-Dioxane
Concen: 1052.498 ug/l m
RT: 7.671 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 88 Resp: 35263

Ion	Ratio	Lower	Upper
88	100		
43	36.2	27.1	40.7
58	54.7	41.0	61.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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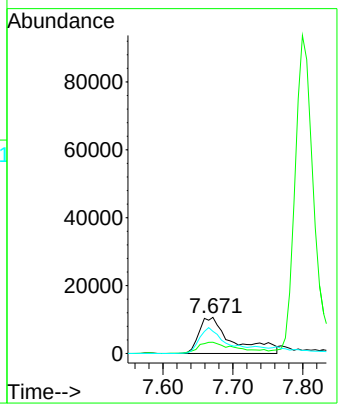
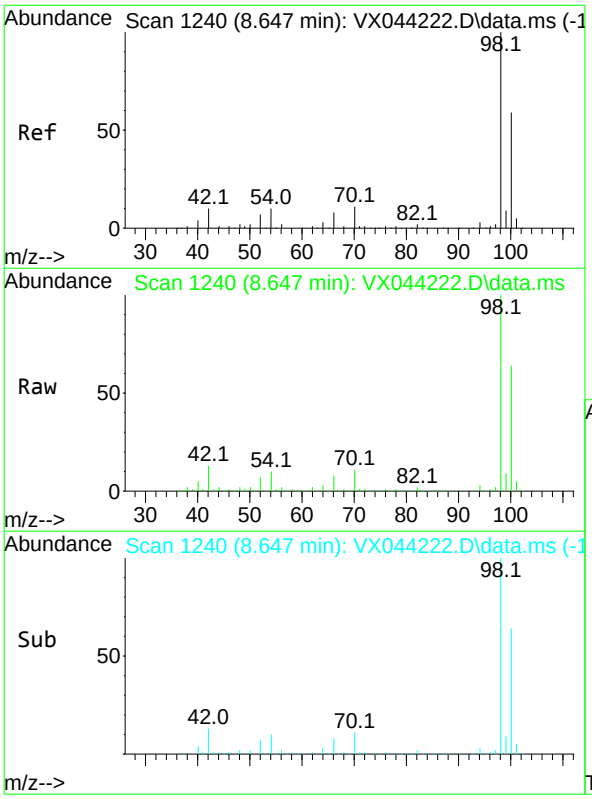
Supervised By :Mahesh Dadoda 12/12/2024

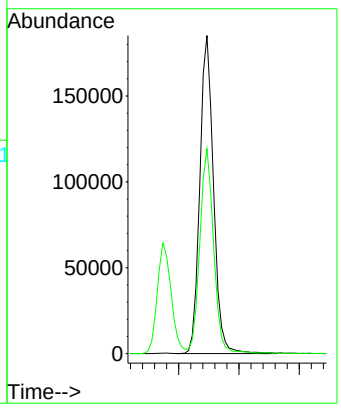


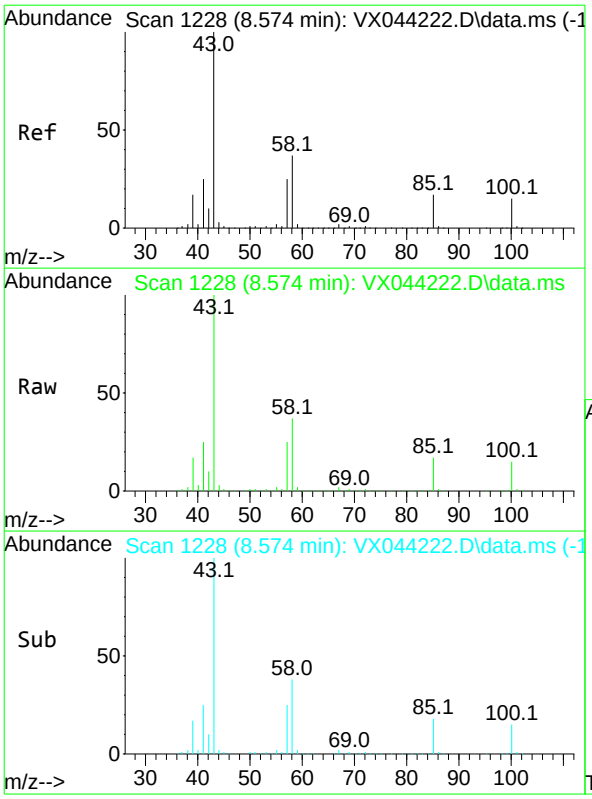


#50
Toluene-d8
Concen: 53.559 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 98 Resp: 292199

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3





#51
4-Methyl-2-Pentanone
Concen: 265.203 ug/l
RT: 8.574 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 43 Resp: 688666

Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.4	44.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 12/12/2024
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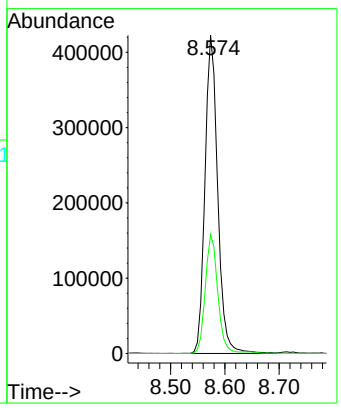
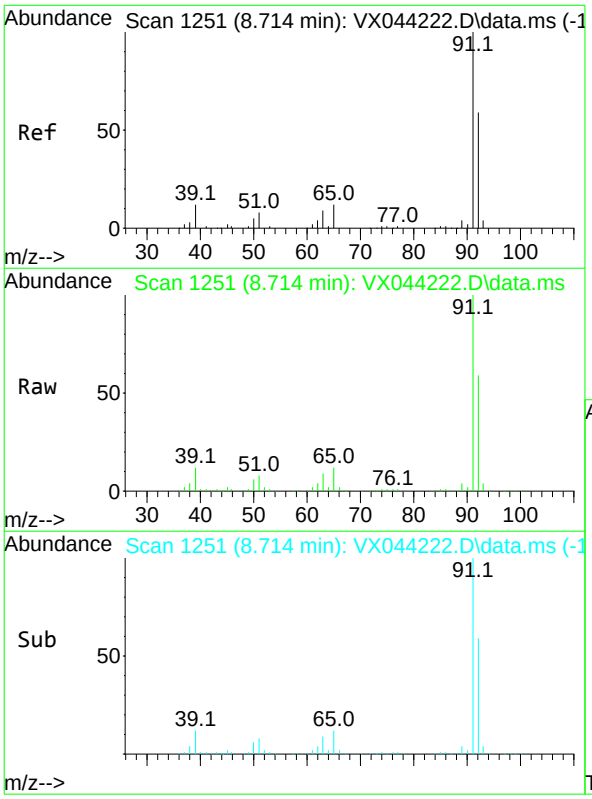
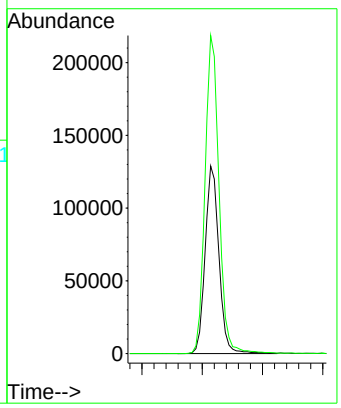


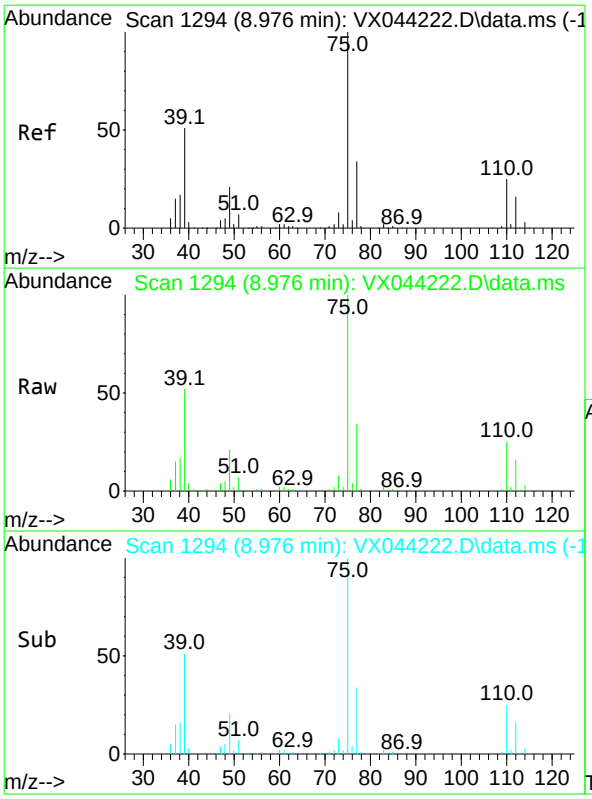


#52
Toluene
Concen: 51.370 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 92 Resp: 204738

Ion	Ratio	Lower	Upper
92	100		
91	171.3	137.0	205.6





#53
t-1,3-Dichloropropene
Concen: 51.362 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 75 Resp: 120007

Ion	Ratio	Lower	Upper
75	100		
77	34.0	27.2	40.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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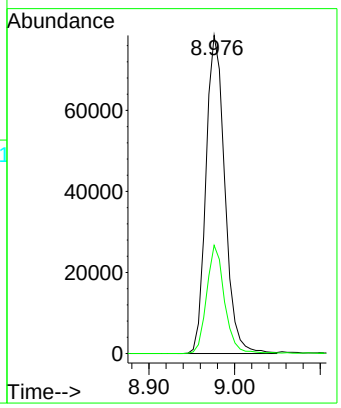
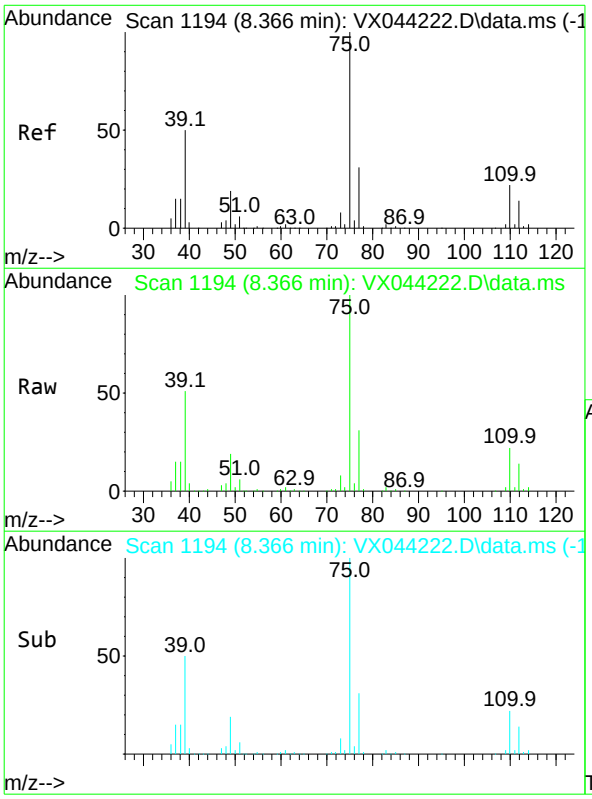
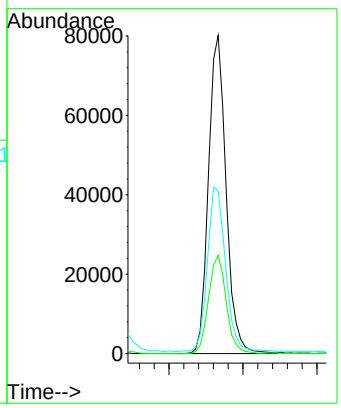


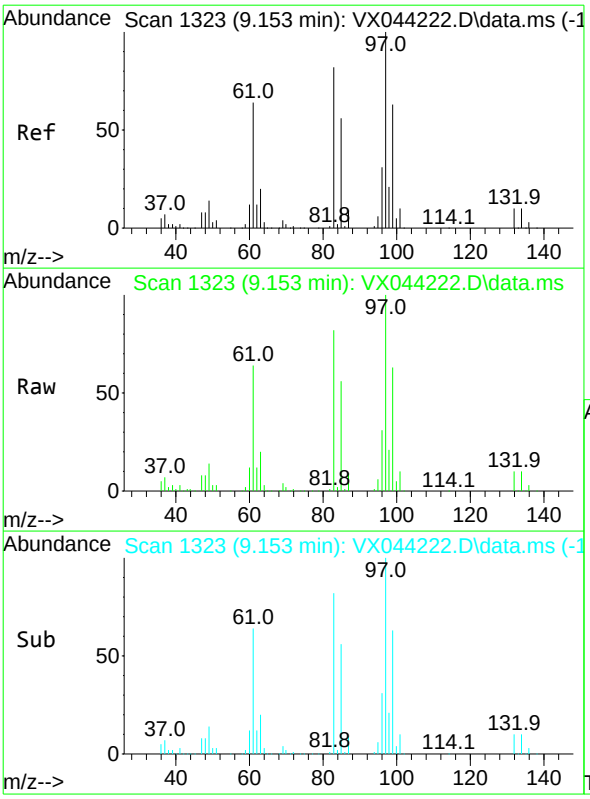


#54
cis-1,3-Dichloropropene
Concen: 55.923 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 75 Resp: 132286

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	50.4	40.3	60.5





#55
1,1,2-Trichloroethane
Concen: 52.729 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 97 Resp: 83488

Ion	Ratio	Lower	Upper
97	100		
83	81.6	65.3	97.9
85	55.8	44.6	67.0
99	62.7	50.2	75.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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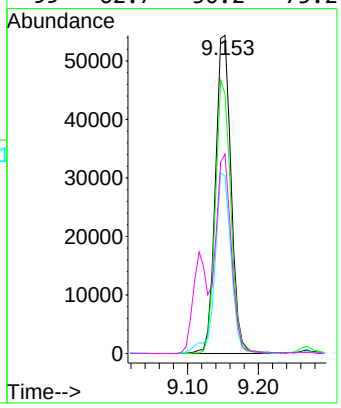
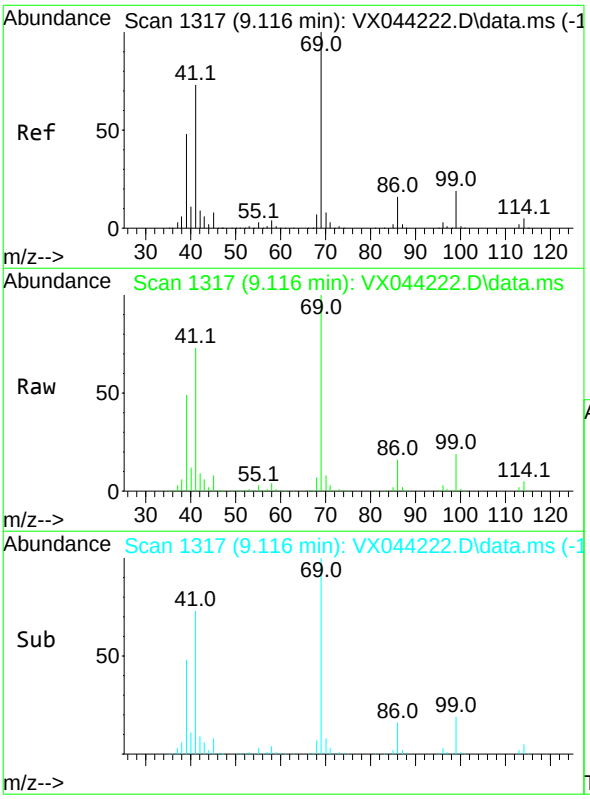
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

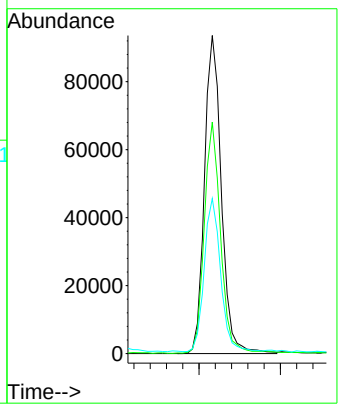


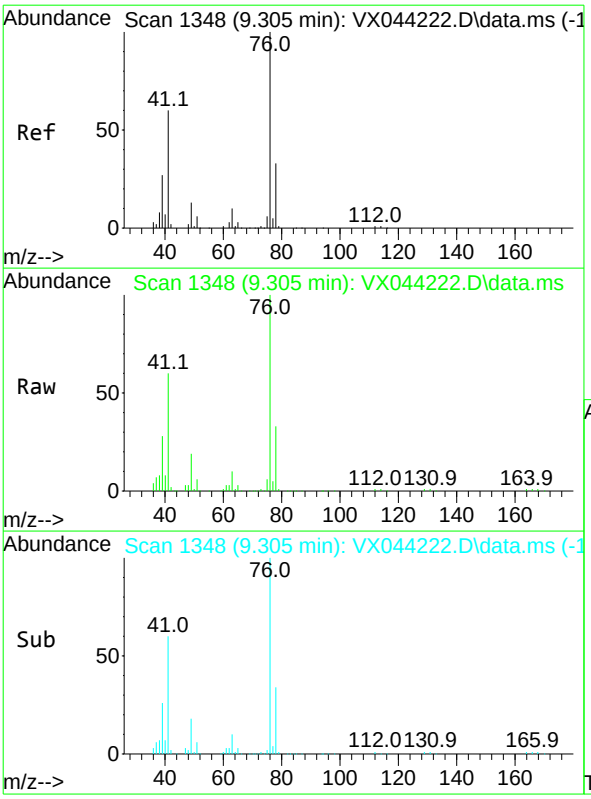


#56
Ethyl methacrylate
Concen: 53.917 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 69 Resp: 134770

Ion	Ratio	Lower	Upper
69	100		
41	70.8	56.6	85.0
39	46.7	37.4	56.0





#57
1,3-Dichloropropane
Concen: 51.904 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

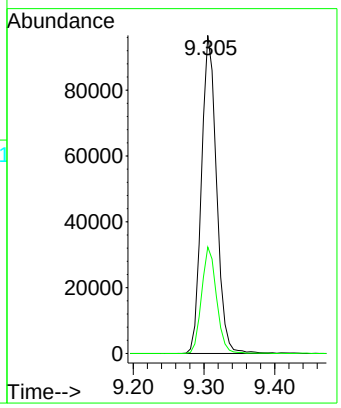
Tgt Ion: 76 Resp: 143044

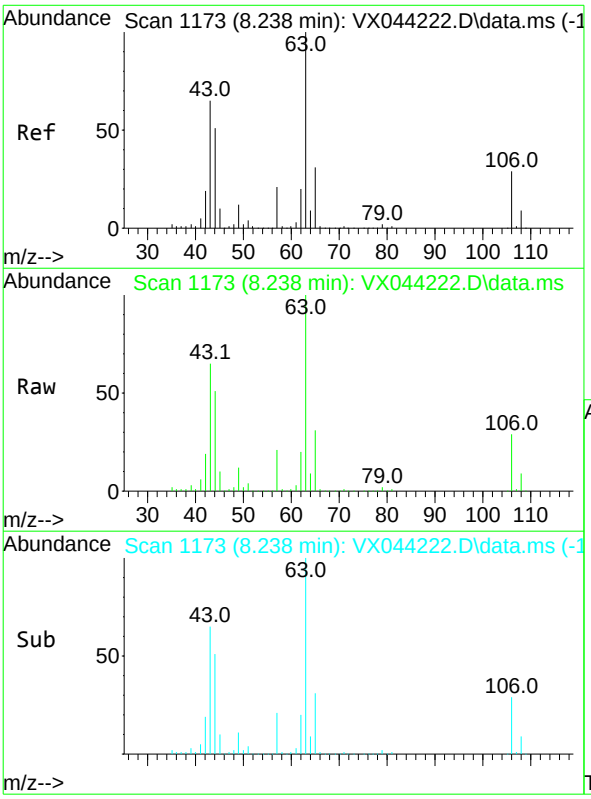
Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

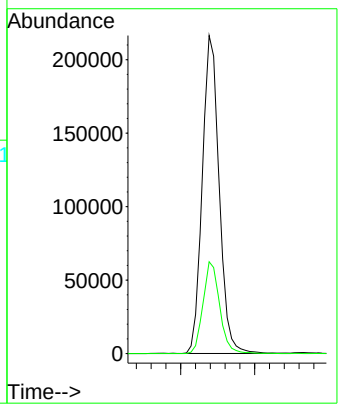


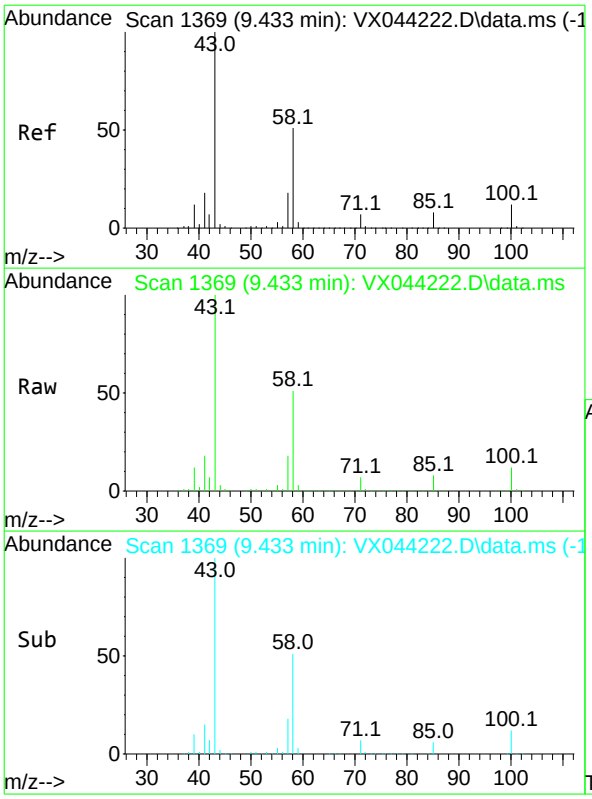


#58
2-Chloroethyl Vinyl ether
Concen: 271.745 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 63 Resp: 342592

Ion	Ratio	Lower	Upper
63	100		
106	28.5	22.8	34.2





#59
2-Hexanone
Concen: 272.881 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

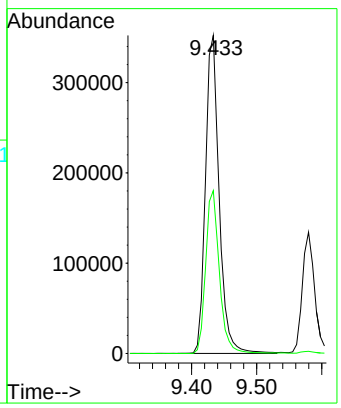
Tgt Ion: 43 Resp: 512906

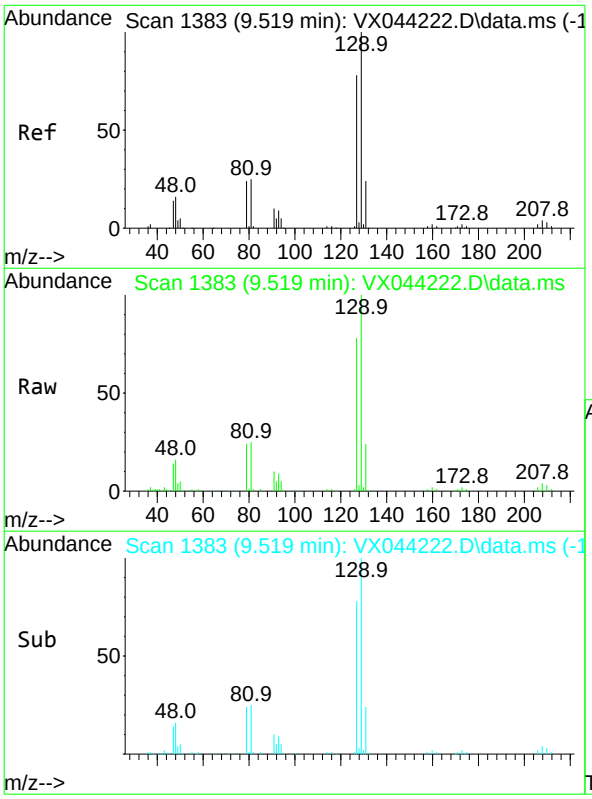
Ion	Ratio	Lower	Upper
43	100		
58	51.3	25.7	77.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

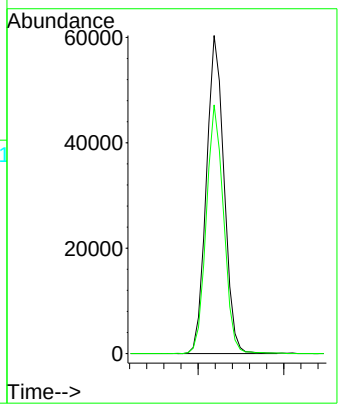


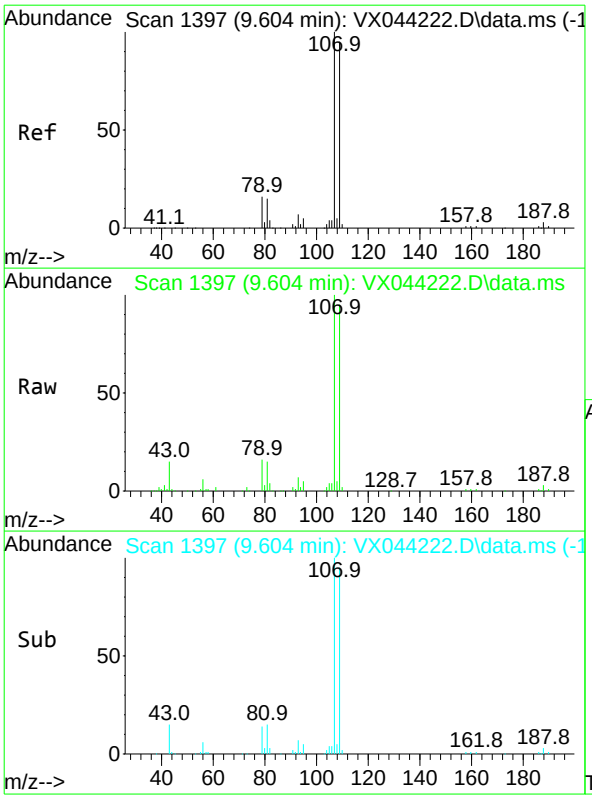


#60
Dibromochloromethane
Concen: 51.400 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:129 Resp: 86352

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.5	115.3





#61
1,2-Dibromoethane
Concen: 53.454 ug/l
RT: 9.604 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:107 Resp: 86150

Ion	Ratio	Lower	Upper
107	100		
109	96.2	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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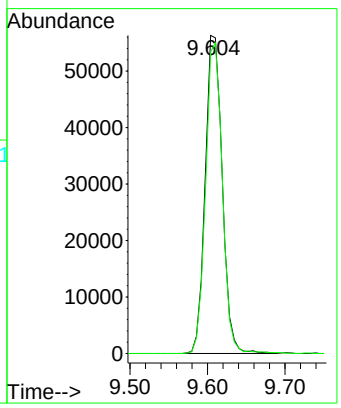
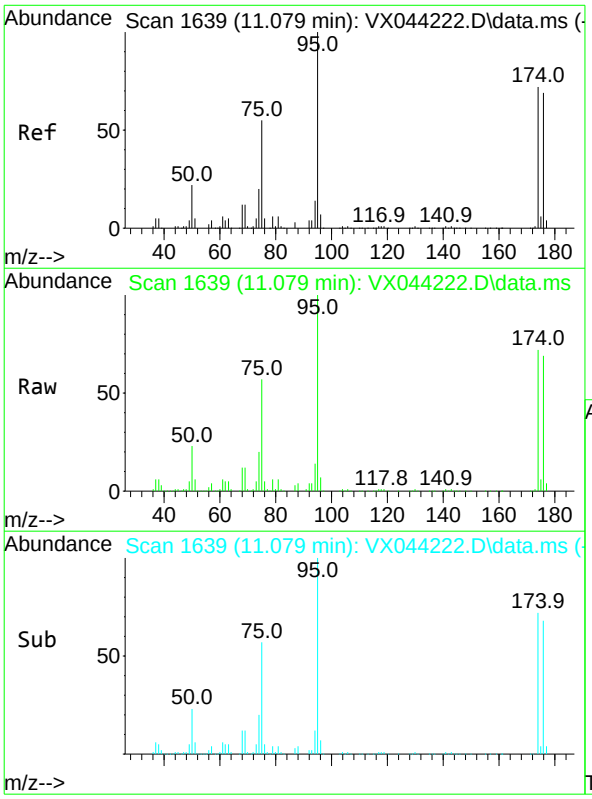
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

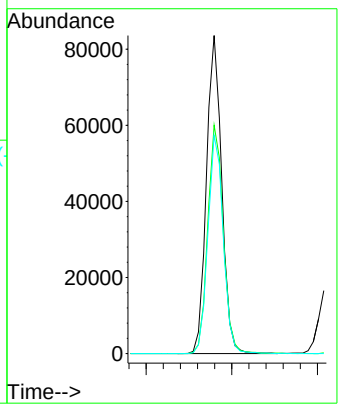


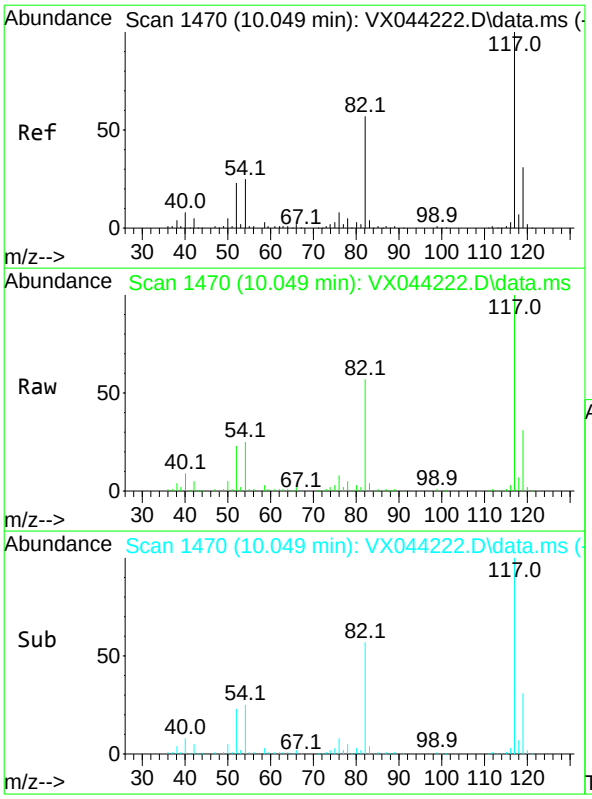


#62
4-Bromofluorobenzene
Concen: 54.123 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 95 Resp: 103178

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	145.8
176	68.9	0.0	137.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:117 Resp: 205196

Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.8	68.8
119	31.2	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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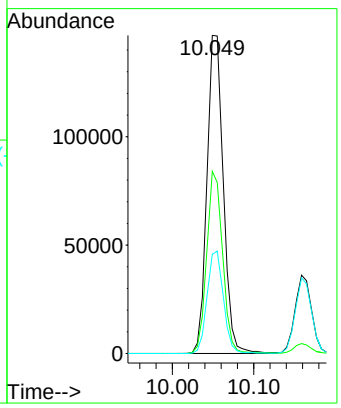
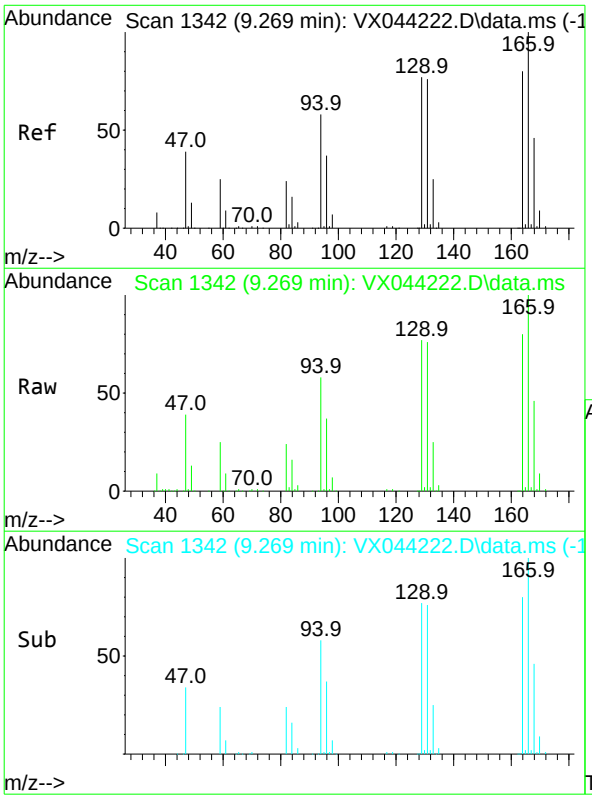
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

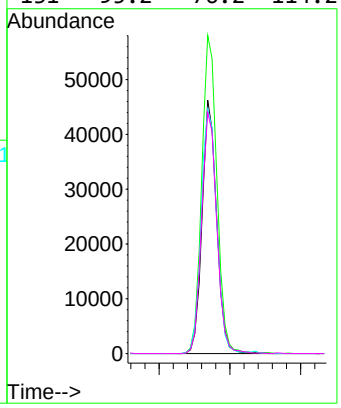


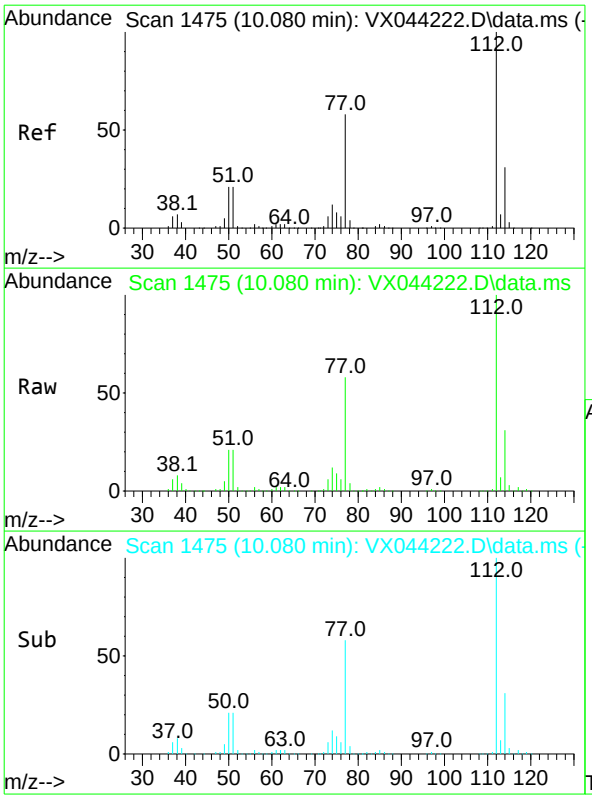


#64
Tetrachloroethene
Concen: 48.379 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:164 Resp: 65888

Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.4	150.6
129	96.5	77.2	115.8
131	95.2	76.2	114.2





#65
Chlorobenzene
Concen: 50.779 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:112 Resp: 223269

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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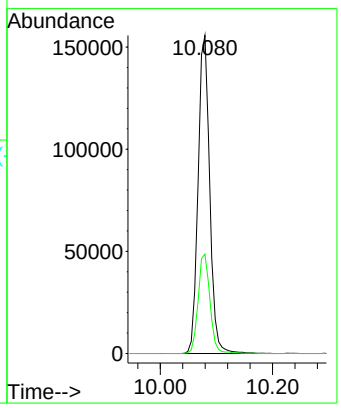
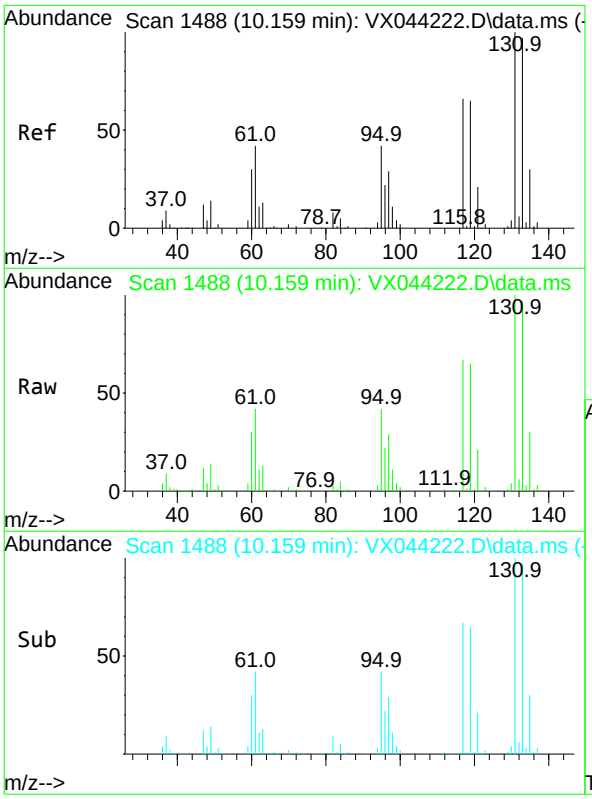
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

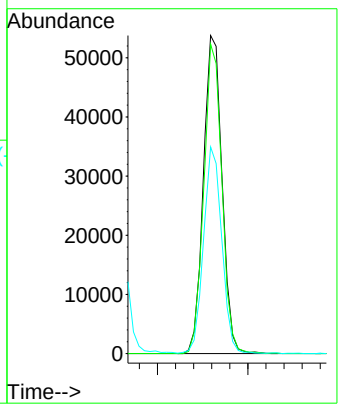


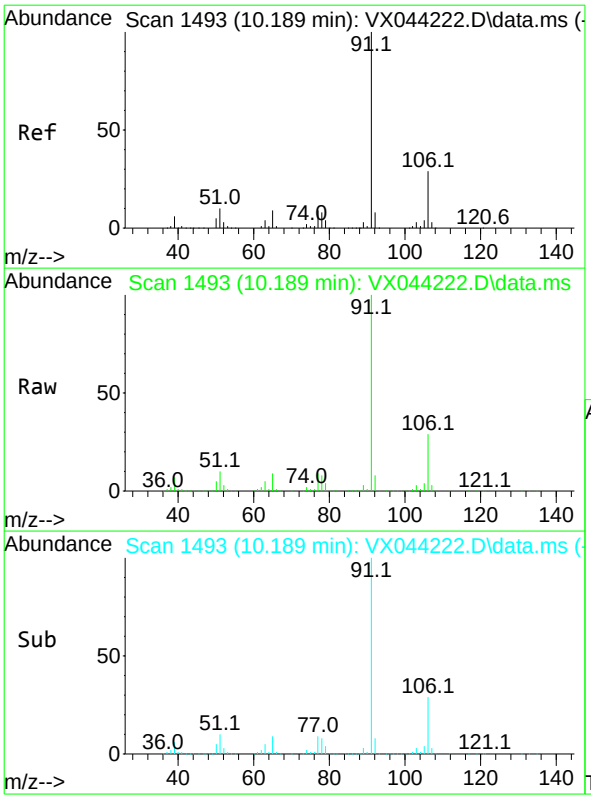


#66
1,1,1,2-Tetrachloroethane
Concen: 54.396 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:131 Resp: 76867

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.3	141.8
119	63.3	31.6	95.0





#67
Ethyl Benzene
Concen: 52.050 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 91 Resp: 395430

Ion	Ratio	Lower	Upper
91	100		
106	29.4	23.5	35.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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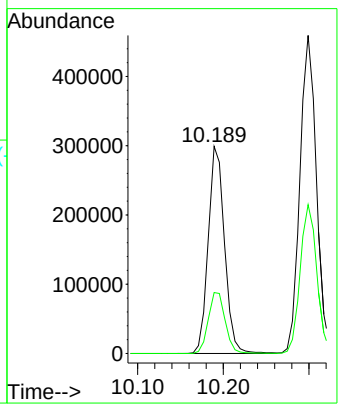
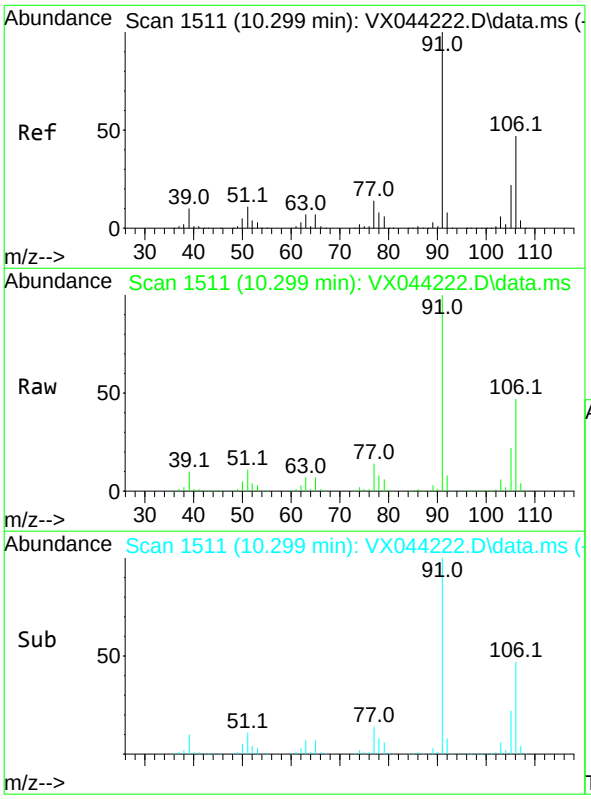
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

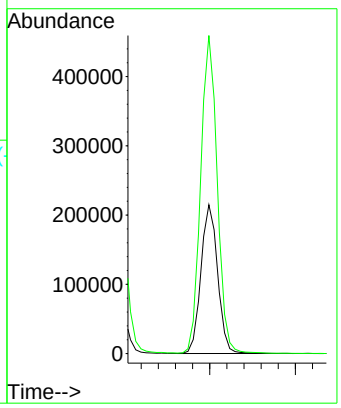


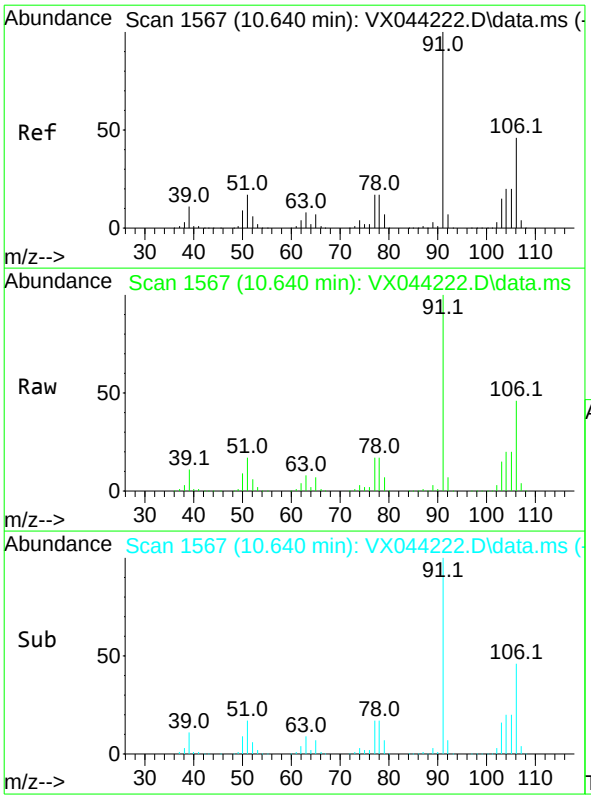


#68
m/p-Xylenes
Concen: 104.094 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:106 Resp: 290181

Ion	Ratio	Lower	Upper
106	100		
91	212.7	170.2	255.2





#69
o-Xylene
Concen: 51.141 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:106 Resp: 144247

Ion	Ratio	Lower	Upper
106	100		
91	224.7	112.3	337.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 12/12/2024
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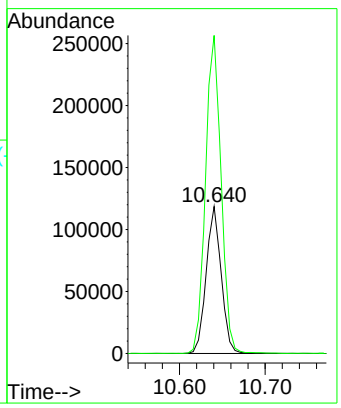
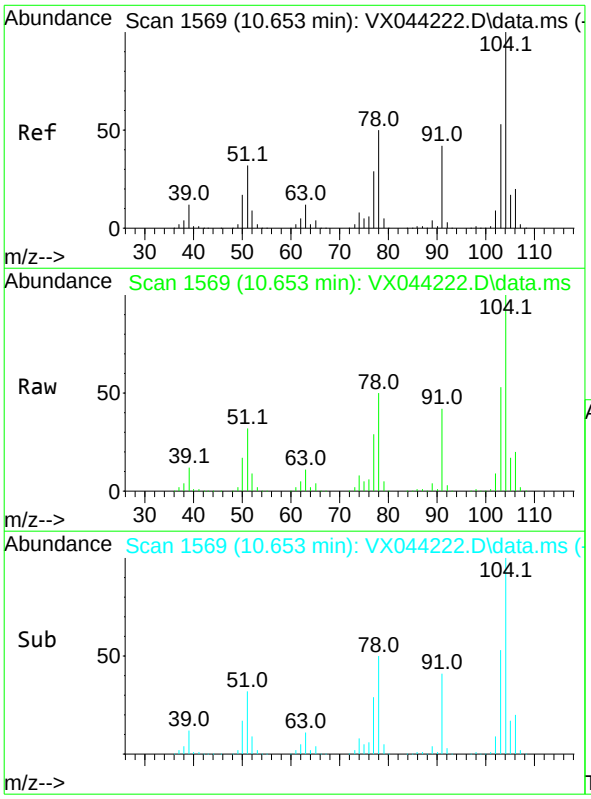
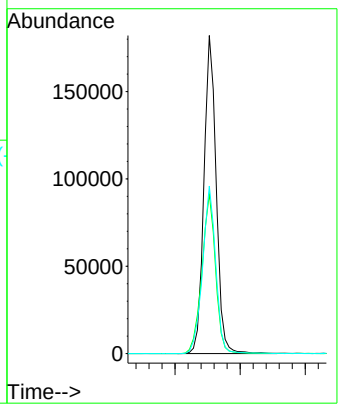


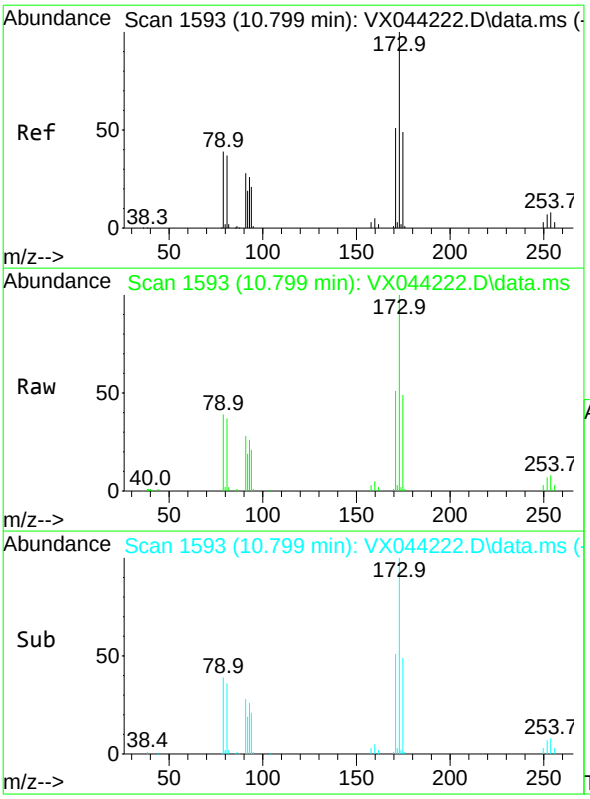


#70
Styrene
Concen: 52.719 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:104 Resp: 238379

Ion	Ratio	Lower	Upper
104	100		
78	55.8	44.6	67.0
103	56.7	45.4	68.0





#71
Bromoform
Concen: 51.158 ug/l
RT: 10.799 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:173 Resp: 50667

Ion	Ratio	Lower	Upper
173	100		
175	47.6	23.8	71.4
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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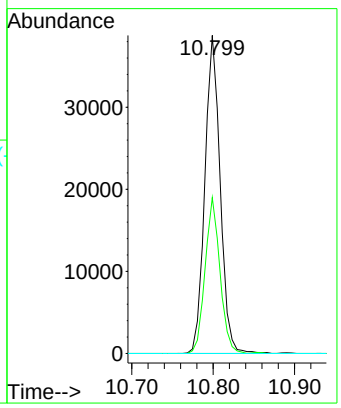
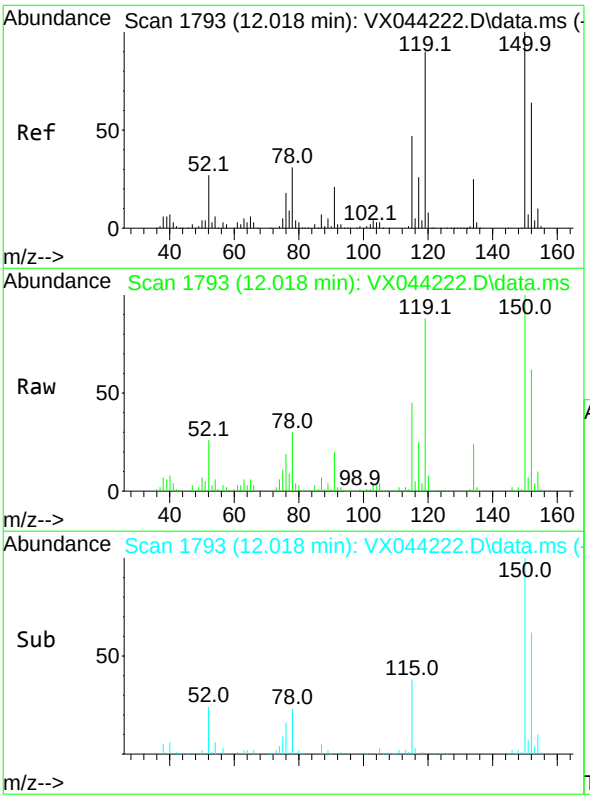
Supervised By :Mahesh Dadoda 12/12/2024

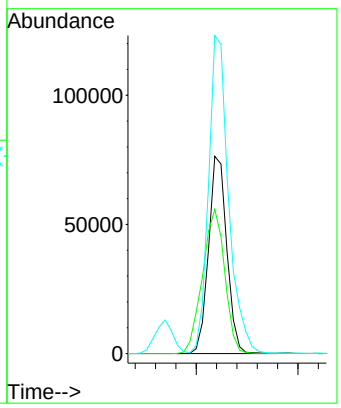


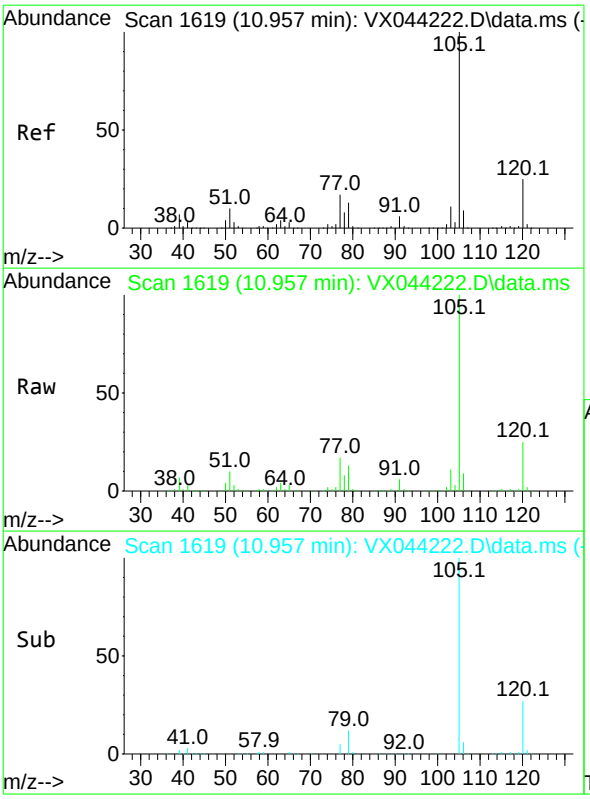


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:152 Resp: 95227

Ion	Ratio	Lower	Upper
152	100		
115	88.9	44.5	133.3
150	176.9	0.0	353.8





#73
Isopropylbenzene
Concen: 51.100 ug/l
RT: 10.957 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:105 Resp: 372519

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.1	39.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 12/12/2024
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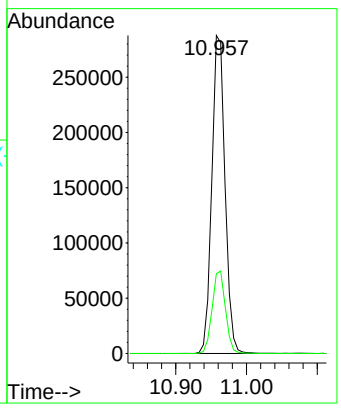
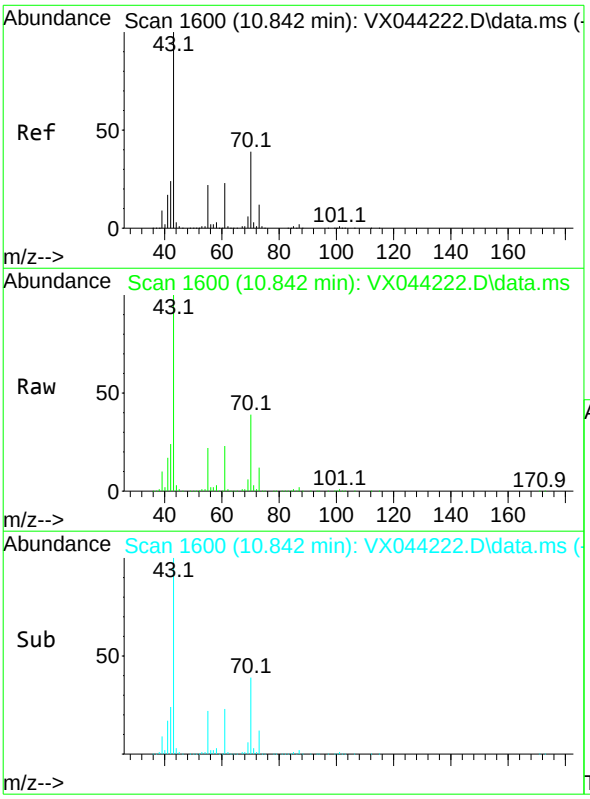
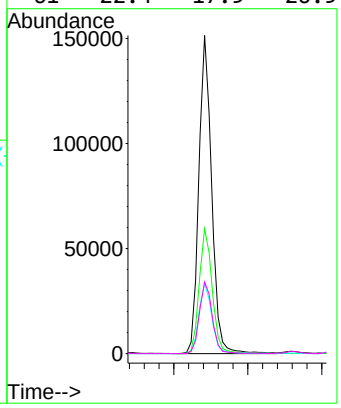


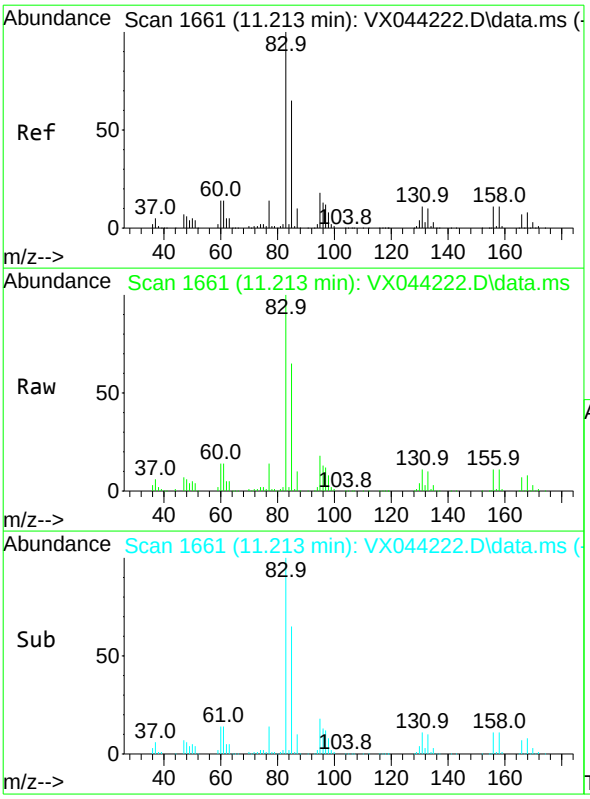


#74
N-amyl acetate
Concen: 54.166 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 43 Resp: 182491

Ion	Ratio	Lower	Upper
43	100		
70	39.9	31.9	47.9
55	22.4	17.9	26.9
61	22.4	17.9	26.9





#75
1,1,2,2-Tetrachloroethane
Concen: 50.233 ug/l
RT: 11.213 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 83 Resp: 127193

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.4
85	64.9	32.5	97.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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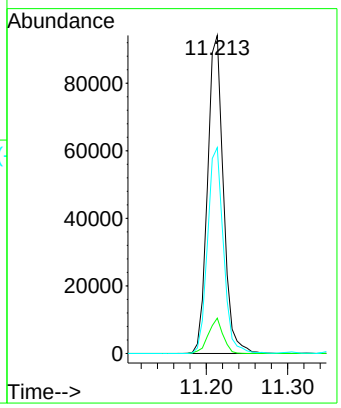
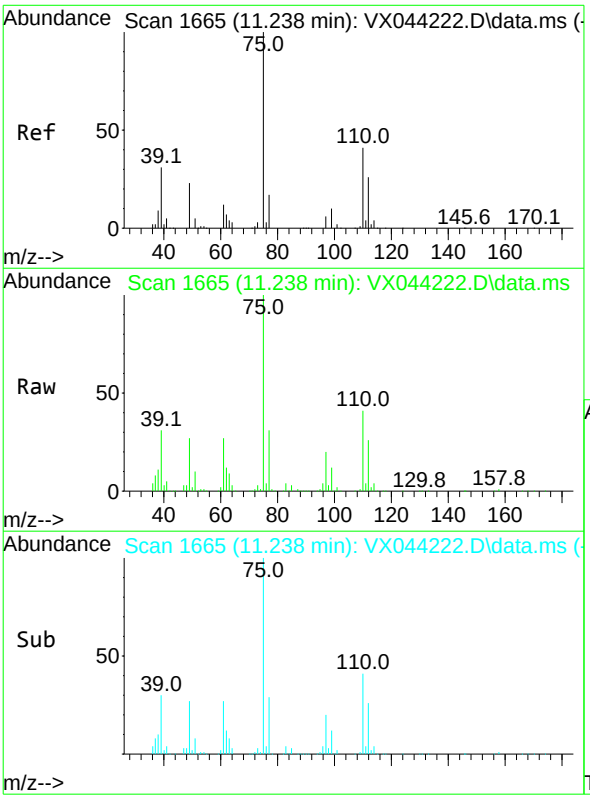
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

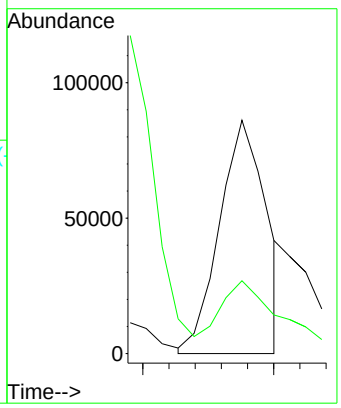


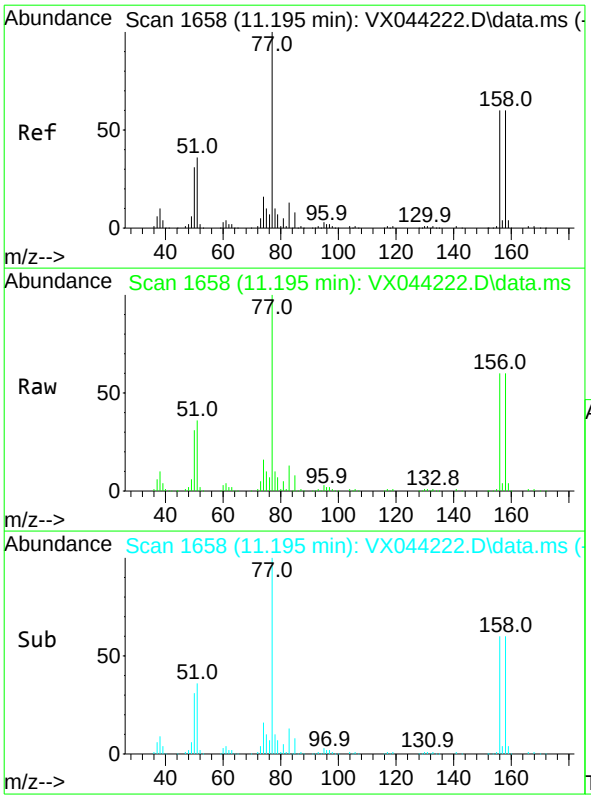


#76
1,2,3-Trichloropropane
Concen: 49.518 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 75 Resp: 107003

Ion	Ratio	Lower	Upper
75	100		
77	41.8	20.9	62.7





#77
Bromobenzene
Concen: 50.734 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

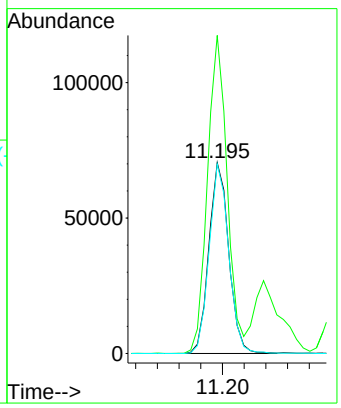
Tgt Ion:156 Resp: 89687

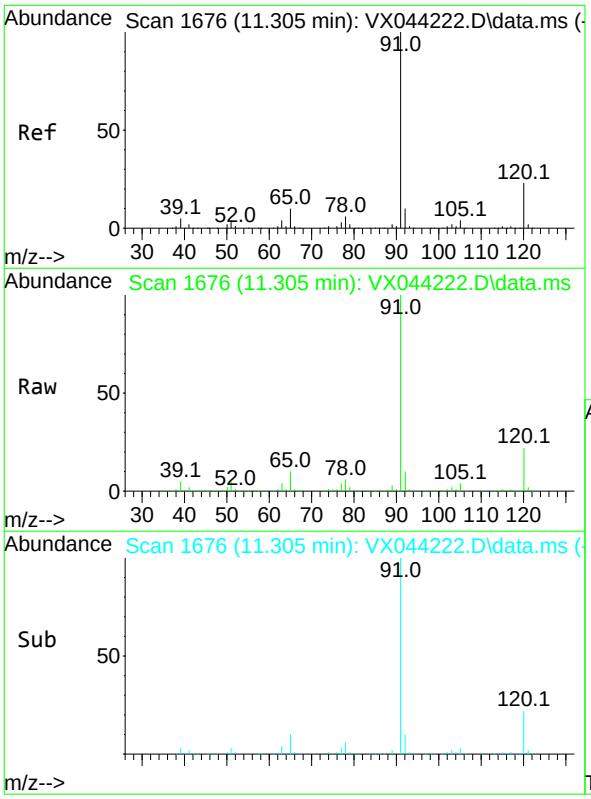
Ion	Ratio	Lower	Upper
156	100		
77	165.2	82.6	247.8
158	97.6	48.8	146.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

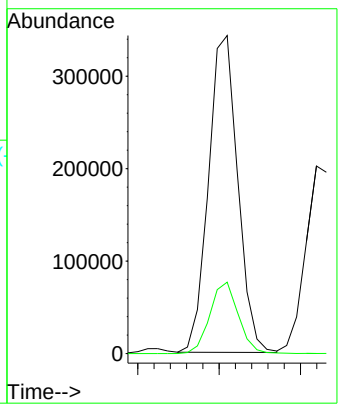


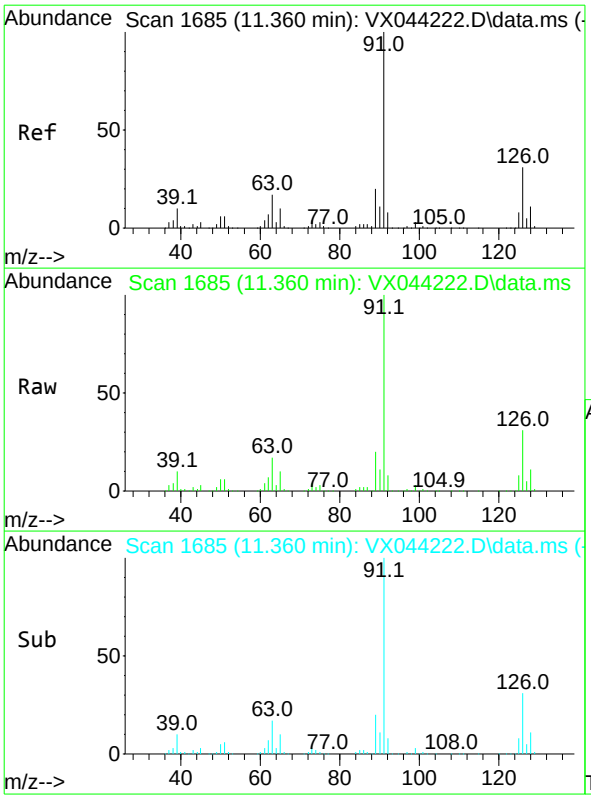


#78
n-propylbenzene
Concen: 53.211 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 91 Resp: 428741

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.0	33.0





#79
2-Chlorotoluene
Concen: 50.634 ug/l
RT: 11.360 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

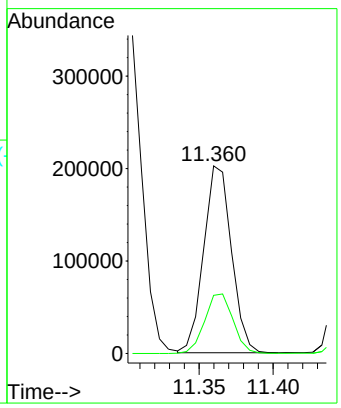
Tgt Ion: 91 Resp: 263849

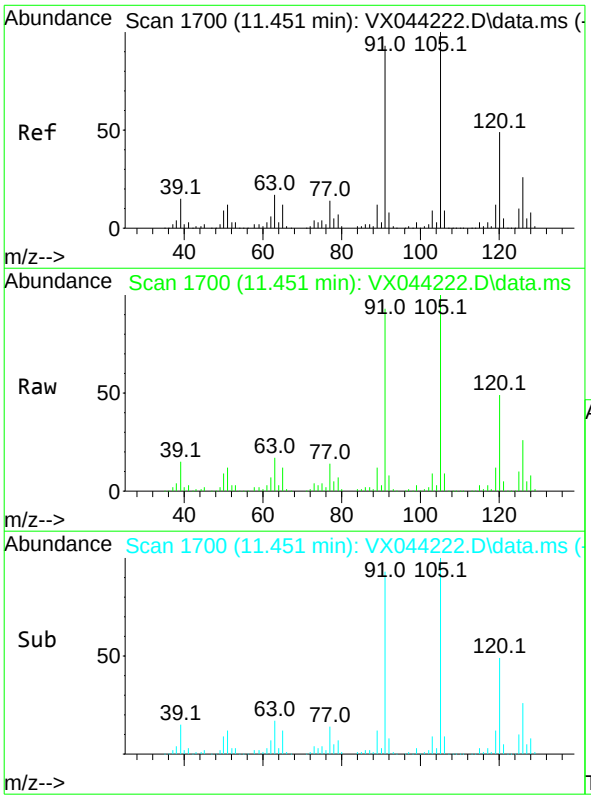
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

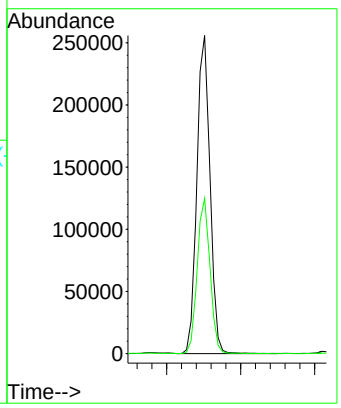


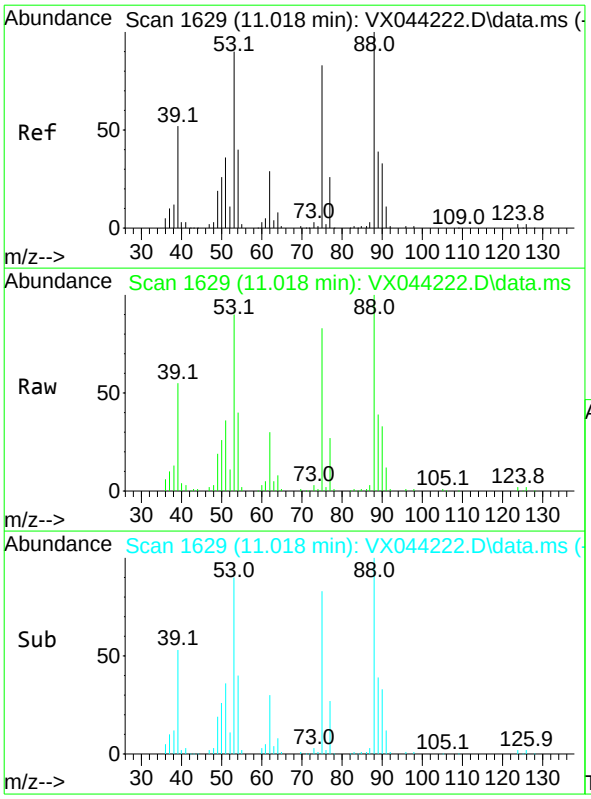


#80
1,3,5-Trimethylbenzene
Concen: 52.102 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:105 Resp: 314986

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.8	71.4





#81
trans-1,4-Dichloro-2-butene
Concen: 47.628 ug/l
RT: 11.018 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

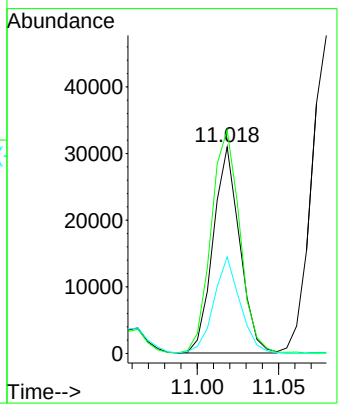
Tgt Ion: 75 Resp: 35119

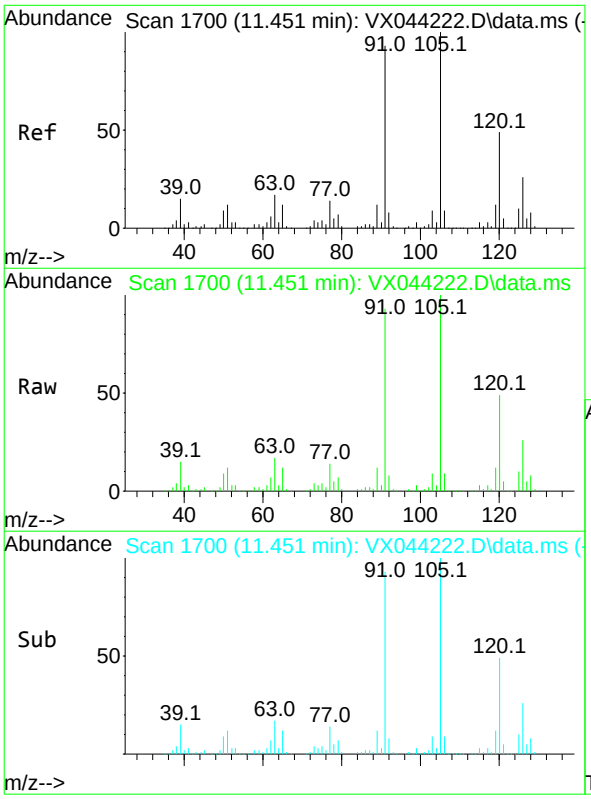
Ion	Ratio	Lower	Upper
75	100		
53	117.0	93.6	140.4
89	46.6	37.3	55.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

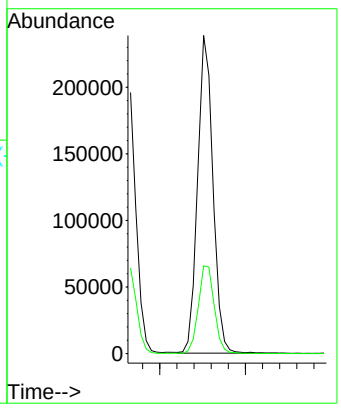


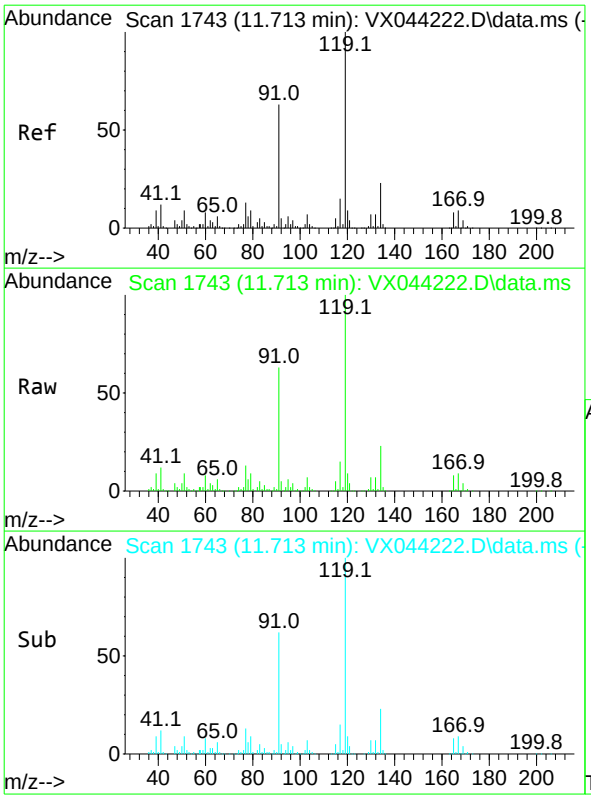


#82
4-Chlorotoluene
Concen: 51.387 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 91 Resp: 296520

Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.5	43.5





#83
tert-Butylbenzene
Concen: 51.940 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

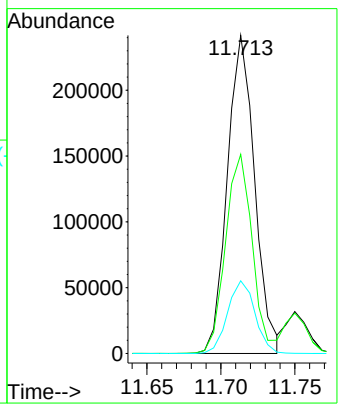
Tgt Ion:119 Resp: 310320

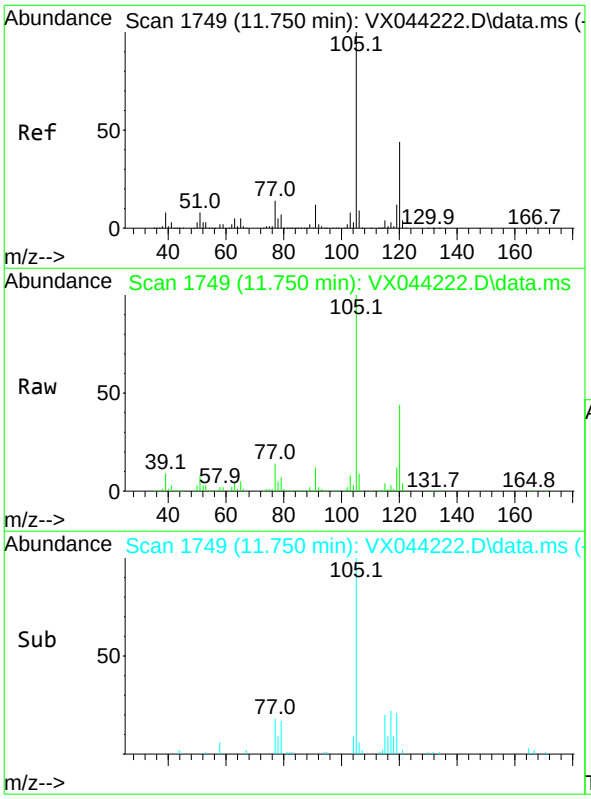
Ion	Ratio	Lower	Upper
119	100		
91	61.7	30.9	92.5
134	22.9	11.5	34.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

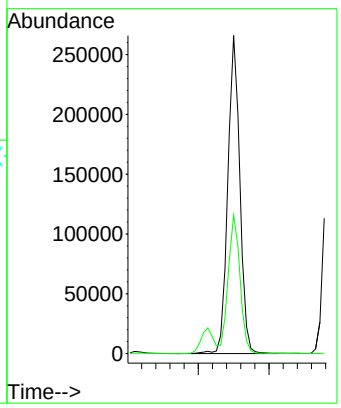


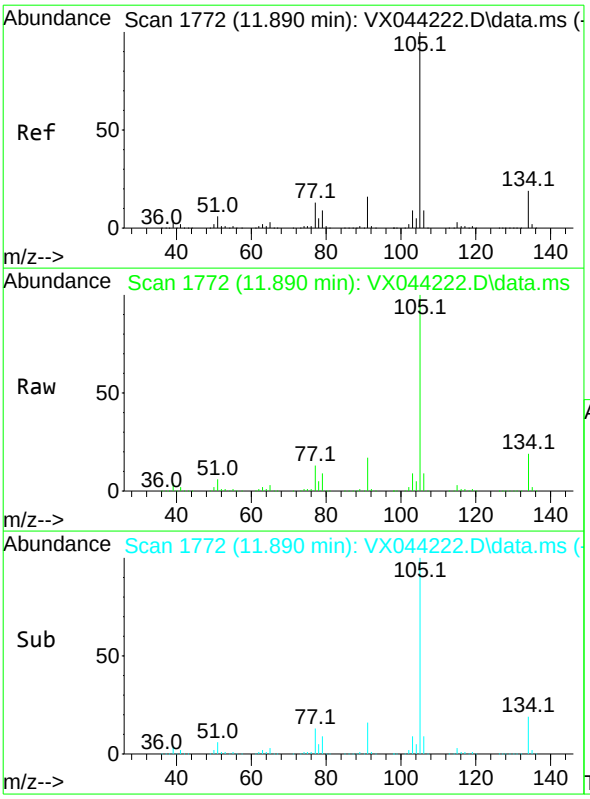


#84
1,2,4-Trimethylbenzene
Concen: 52.776 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:105 Resp: 313338

Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.7	65.1





#85
sec-Butylbenzene
Concen: 52.329 ug/l
RT: 11.890 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

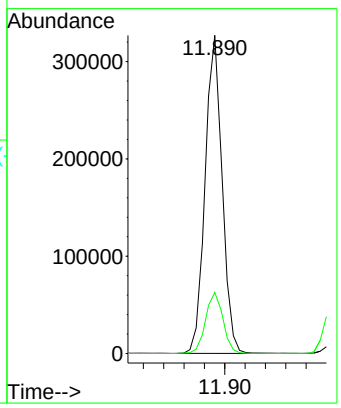
Tgt Ion:105 Resp: 379552

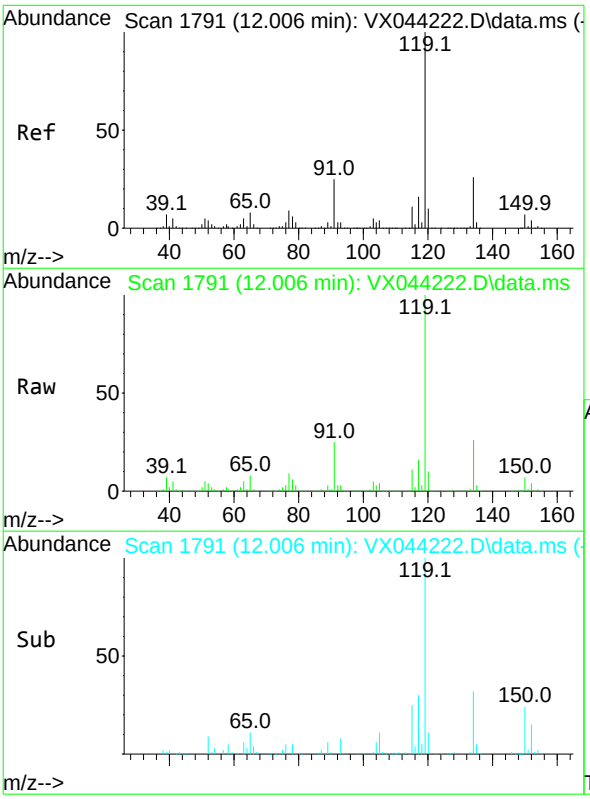
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

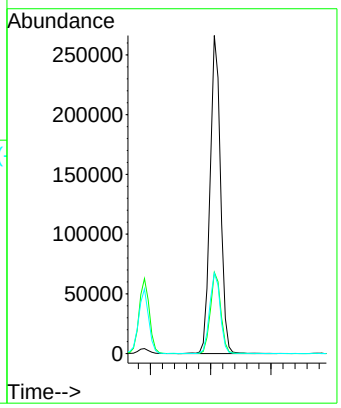


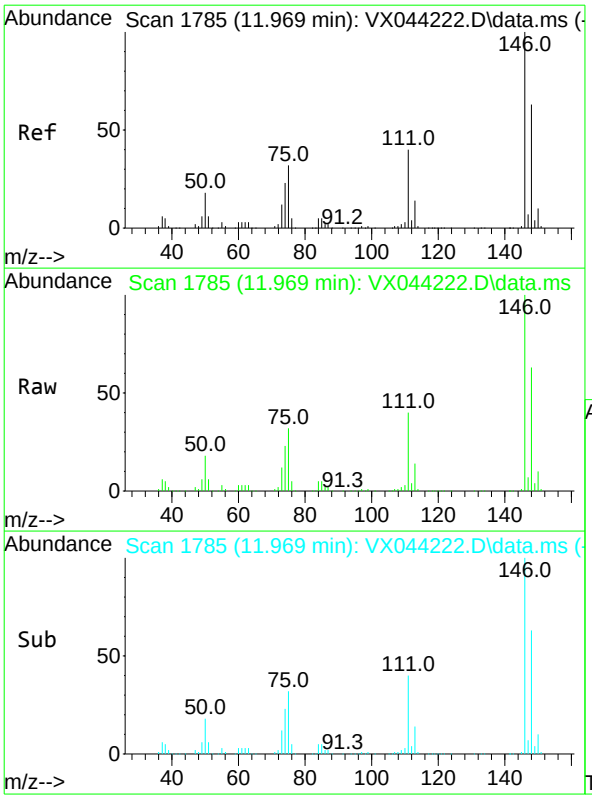


#86
p-Isopropyltoluene
Concen: 52.796 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:119 Resp: 318721

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.8	38.4
91	26.0	13.0	39.0





#87
1,3-Dichlorobenzene
Concen: 51.887 ug/l
RT: 11.969 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

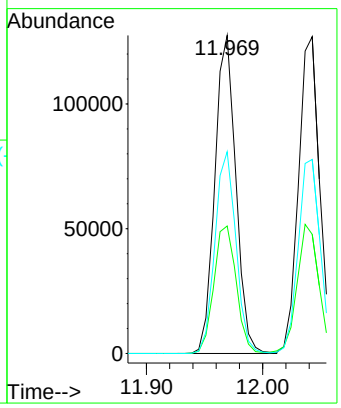
Tgt Ion:146 Resp: 160223

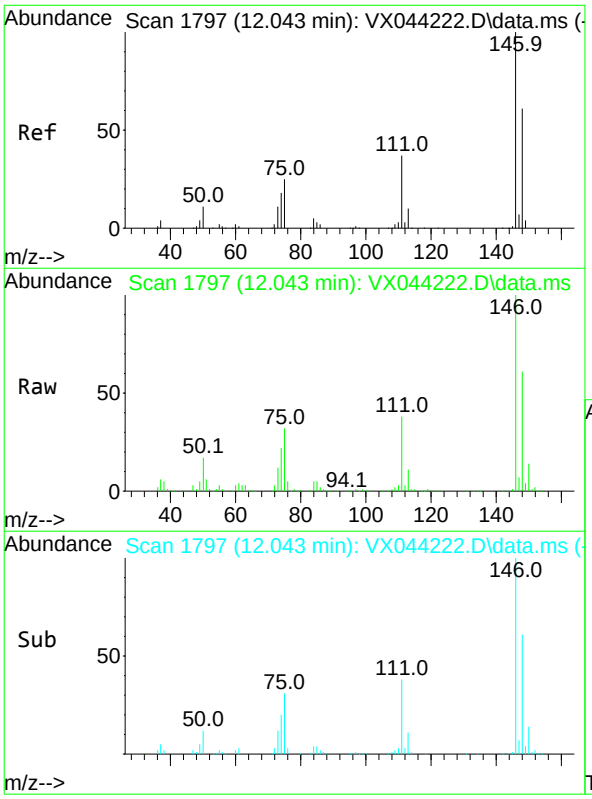
Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.4	64.2
148	63.4	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

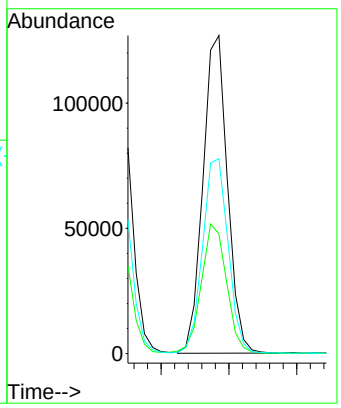


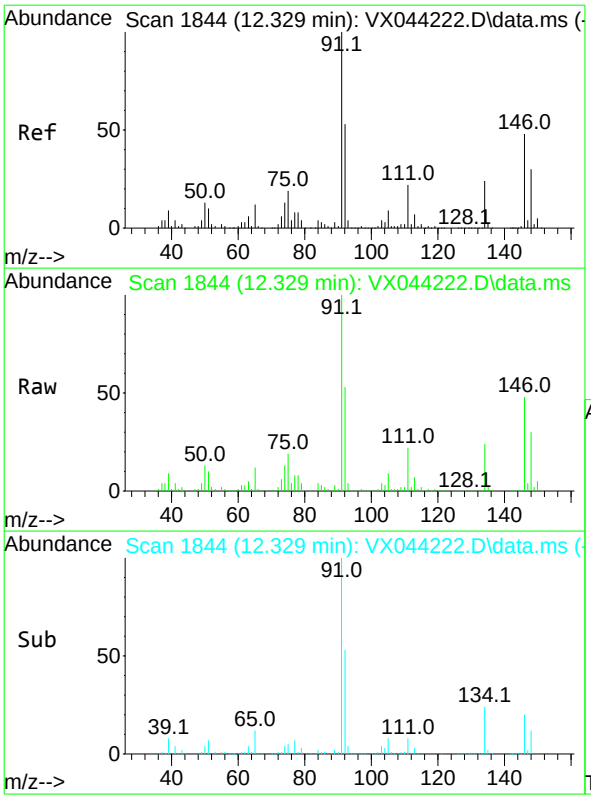


#88
1,4-Dichlorobenzene
Concen: 50.171 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:146 Resp: 159258

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.0	63.0
148	64.5	32.3	96.8





#89
n-Butylbenzene
Concen: 53.354 ug/l
RT: 12.329 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

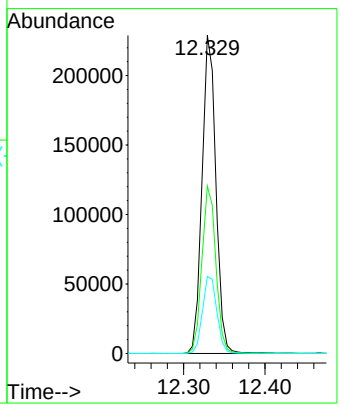
Tgt Ion: 91 Resp: 270840

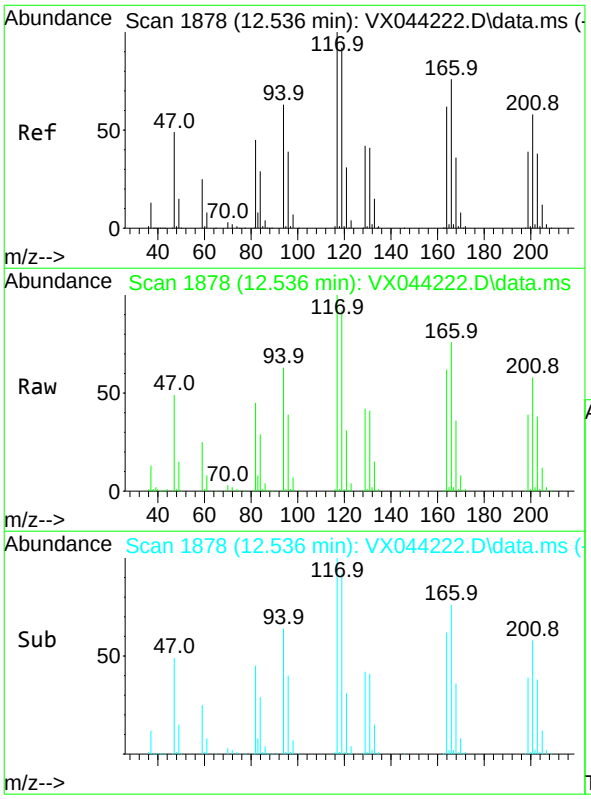
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	25.2	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

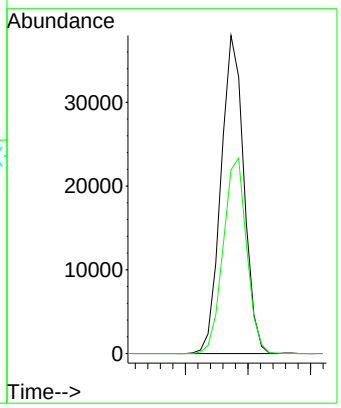


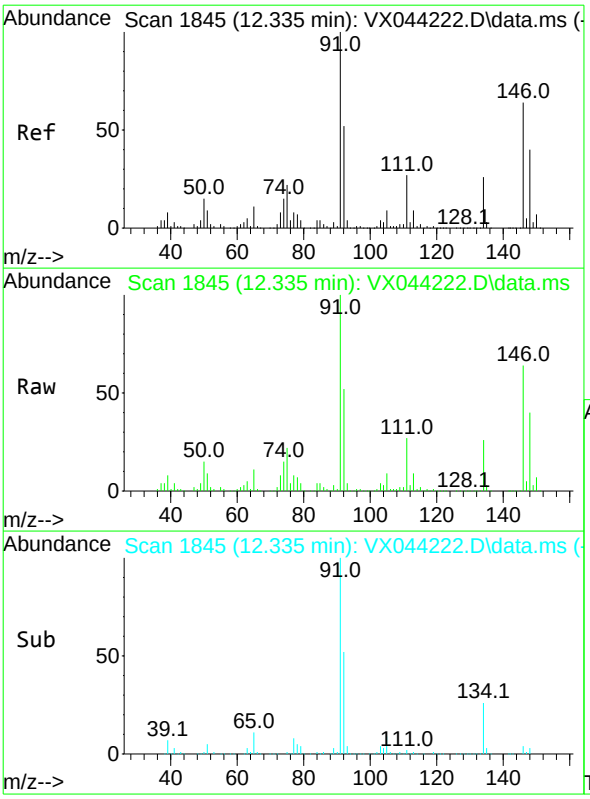


#90
Hexachloroethane
Concen: 54.813 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:117 Resp: 48303

Ion	Ratio	Lower	Upper
117	100		
201	62.8	31.4	94.2





#91
1,2-Dichlorobenzene
Concen: 51.256 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:146 Resp: 164342

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.4	64.3
148	63.3	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
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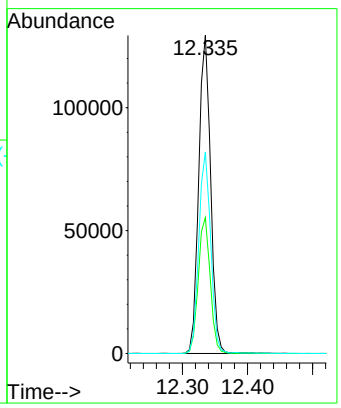
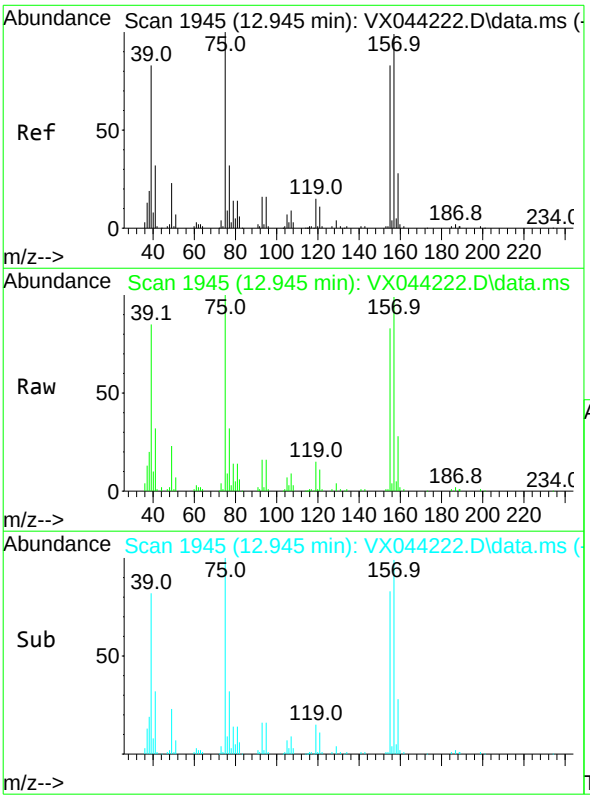
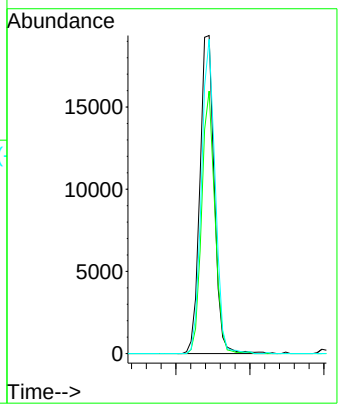


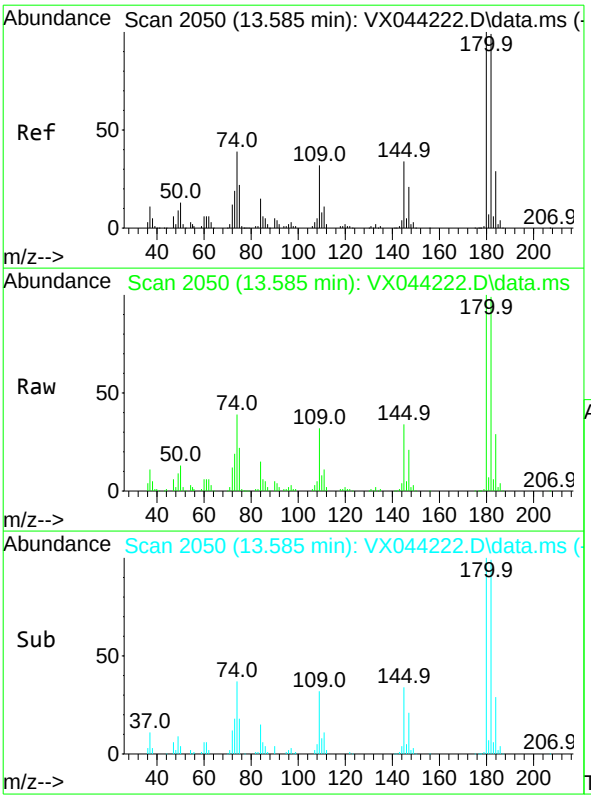


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.951 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 75 Resp: 26027

Ion	Ratio	Lower	Upper
75	100		
155	76.2	38.1	114.3
157	94.4	47.2	141.6





#93
1,2,4-Trichlorobenzene
Concen: 53.005 ug/l
RT: 13.585 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

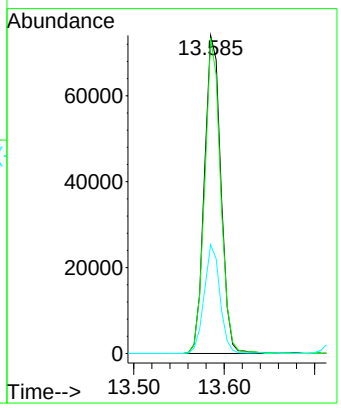
Tgt Ion:180 Resp: 93173

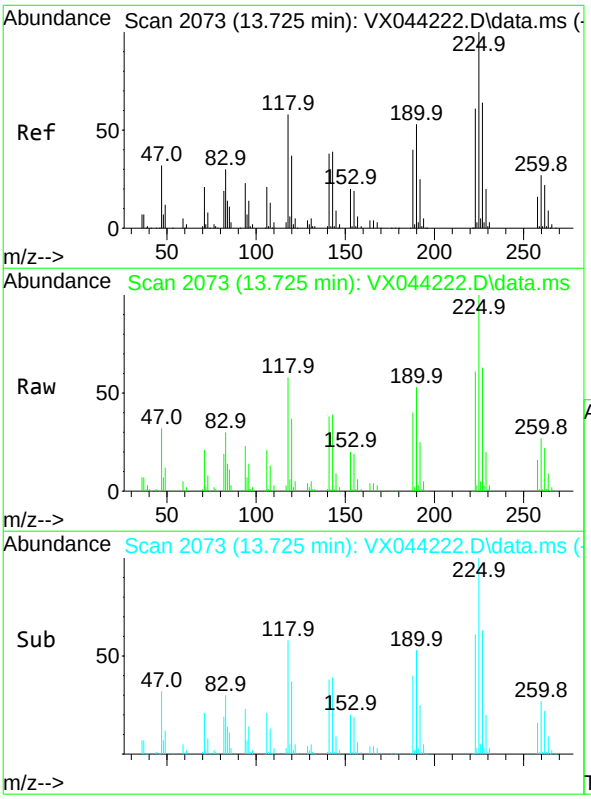
Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.0	144.2
145	33.1	16.6	49.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

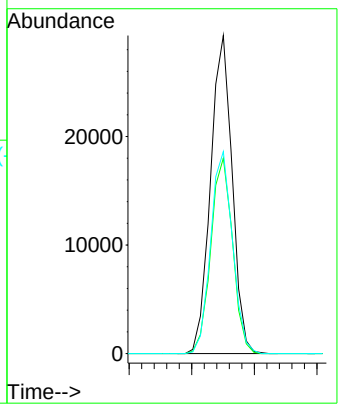


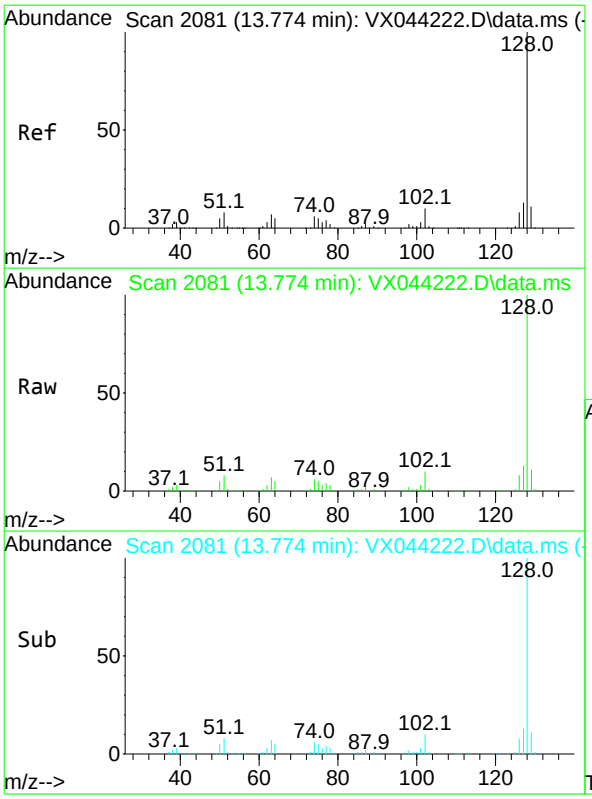


#94
Hexachlorobutadiene
Concen: 49.744 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:225 Resp: 35172

Ion	Ratio	Lower	Upper
225	100		
223	61.6	30.8	92.4
227	64.2	32.1	96.3





#95
Naphthalene
Concen: 53.230 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

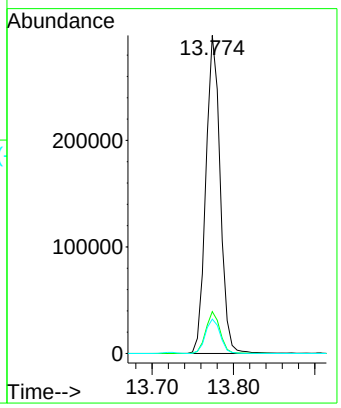
Tgt Ion:128 Resp: 365234

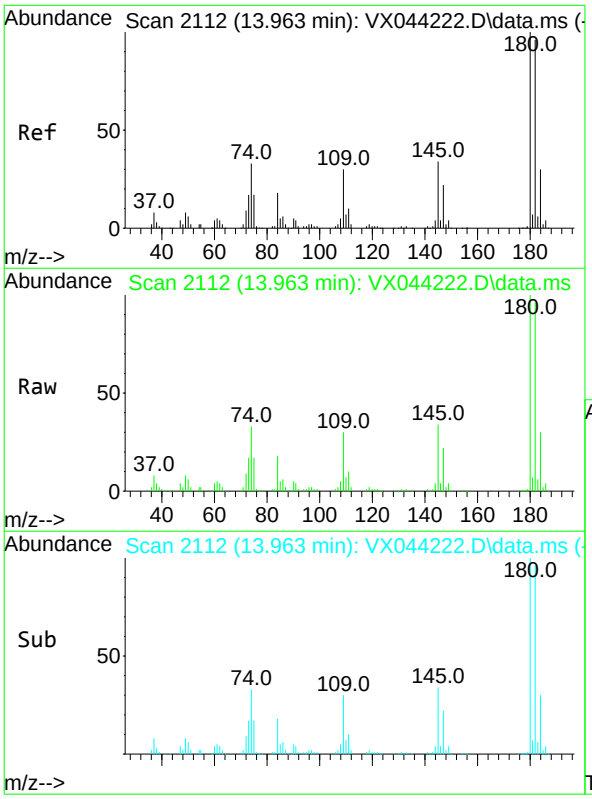
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.2	9.0	13.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

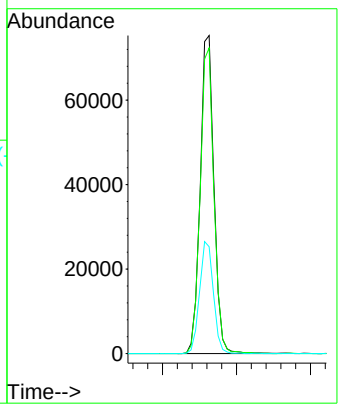




#96
1,2,3-Trichlorobenzene
Concen: 52.027 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:180 Resp: 97000

Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.0	144.0
145	35.4	17.7	53.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044223.D
Acq On : 11 Dec 2024 12:37
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 12 04:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	130101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	235738	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	209164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97670	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	224292	98.326	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 196.660%#			
35) Dibromofluoromethane	5.379	113	169582	103.866	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 207.740%#			
50) Toluene-d8	8.647	98	579477	105.201	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 210.400%#			
62) 4-Bromofluorobenzene	11.079	95	203694	105.830	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 211.660%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	193785	96.329	ug/l	97
3) Chloromethane	1.295	50	186167	96.774	ug/l	99
4) Vinyl Chloride	1.374	62	187739	93.675	ug/l	99
5) Bromomethane	1.593	94	137770	96.897	ug/l	97
6) Chloroethane	1.660	64	109912	88.074	ug/l	95
7) Trichlorofluoromethane	1.862	101	384622	98.030	ug/l	98
8) Diethyl Ether	2.136	74	124039	92.618	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	149151	93.944	ug/l	99
10) Methyl Iodide	2.441	142	203545	97.275	ug/l	100
11) Tert butyl alcohol	3.008	59	173139	539.406	ug/l	100
12) 1,1-Dichloroethene	2.307	96	144268	98.930	ug/l	100
13) Acrolein	2.240	56	226037	485.718	ug/l	99
14) Allyl chloride	2.654	41	244602	100.703	ug/l	99
15) Acrylonitrile	3.069	53	446747	501.661	ug/l	99
16) Acetone	2.392	43	452955	487.065	ug/l	97
17) Carbon Disulfide	2.496	76	320036	115.453	ug/l	99
18) Methyl Acetate	2.709	43	230998	96.338	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	564545	99.205	ug/l	99
20) Methylene Chloride	2.782	84	168498	96.466	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	154797	99.880	ug/l	98
22) Diisopropyl ether	3.764	45	538742	98.498	ug/l	99
23) Vinyl Acetate	3.721	43	2395923	538.801	ug/l	100
24) 1,1-Dichloroethane	3.605	63	304626	99.915	ug/l	99
25) 2-Butanone	4.568	43	662768	501.306	ug/l	99
26) 2,2-Dichloropropane	4.471	77	258092	104.201	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	190127	96.593	ug/l	99
28) Bromochloromethane	4.891	49	144783	96.842	ug/l	99
29) Tetrahydrofuran	5.007	42	412666	486.290	ug/l	99
30) Chloroform	5.093	83	331047	96.642	ug/l	98
31) Cyclohexane	5.458	56	239879	97.433	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	291065	102.363	ug/l	99
36) 1,1-Dichloropropene	5.684	75	209732	99.376	ug/l	98
37) Ethyl Acetate	4.721	43	266307	102.079	ug/l	100
38) Carbon Tetrachloride	5.672	117	236869	104.249	ug/l	96
39) Methylcyclohexane	7.373	83	259368	102.800	ug/l	98
40) Benzene	6.032	78	638055	99.575	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044223.D
Acq On : 11 Dec 2024 12:37
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 12 04:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	140375	101.332 ug/l	99
42) 1,2-Dichloroethane	6.086	62	261991	99.255 ug/l	99
43) Isopropyl Acetate	6.342	43	427893	104.939 ug/l	99
44) Trichloroethene	7.123	130	158990	99.497 ug/l	99
45) 1,2-Dichloropropane	7.428	63	160913	98.293 ug/l	97
46) Dibromomethane	7.580	93	130316	102.607 ug/l	99
47) Bromodichloromethane	7.818	83	244401	111.423 ug/l	100
48) Methyl methacrylate	7.696	41	203116	102.618 ug/l	99
49) 1,4-Dioxane	7.665	88	73434m	2170.871 ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	1322678	504.496 ug/l	99
52) Toluene	8.714	92	396383	98.506 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	248092	99.321 ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	263014	110.127 ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	157366	98.441 ug/l	98
56) Ethyl methacrylate	9.116	69	271146	107.442 ug/l	99
57) 1,3-Dichloropropane	9.305	76	274642	98.704 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	671233	527.342 ug/l	100
59) 2-Hexanone	9.433	43	989466	521.401 ug/l	99
60) Dibromochloromethane	9.519	129	178135	99.480 ug/l	99
61) 1,2-Dibromoethane	9.610	107	171458	105.371 ug/l	97
64) Tetrachloroethene	9.269	164	130678	94.131 ug/l	97
65) Chlorobenzene	10.080	112	433179	96.650 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	153882	106.831 ug/l	99
67) Ethyl Benzene	10.195	91	765930	98.906 ug/l	97
68) m/p-Xylenes	10.299	106	571648	201.171 ug/l	99
69) o-Xylene	10.640	106	280603	97.597 ug/l	100
70) Styrene	10.653	104	480077	104.159 ug/l	97
71) Bromoform	10.799	173	112482	99.723 ug/l #	98
73) Isopropylbenzene	10.964	105	731955	97.894 ug/l	99
74) N-amyl acetate	10.842	43	371420	107.485 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.214	83	245395	94.491 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	206786m	93.302 ug/l	
77) Bromobenzene	11.195	156	175647	96.874 ug/l	98
78) n-propylbenzene	11.305	91	836676	101.242 ug/l	99
79) 2-Chlorotoluene	11.366	91	504407	94.377 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	604993	97.570 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	78453	97.165 ug/l	94
82) 4-Chlorotoluene	11.451	91	588197	99.384 ug/l	99
83) tert-Butylbenzene	11.713	119	606738	99.013 ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	614999	100.994 ug/l	100
85) sec-Butylbenzene	11.890	105	743098	99.889 ug/l	100
86) p-Isopropyltoluene	12.006	119	624416	100.847 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	317377	100.210 ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	316688	97.271 ug/l	99
89) n-Butylbenzene	12.329	91	564303	108.385 ug/l	99
90) Hexachloroethane	12.536	117	105946	117.218 ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	323040	98.232 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	54588	108.279 ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	197899	109.766 ug/l	98
94) Hexachlorobutadiene	13.725	225	72453	99.908 ug/l	97
95) Naphthalene	13.774	128	755181	107.308 ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	206053	107.754 ug/l	98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044223.D
Acq On : 11 Dec 2024 12:37
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Dec 12 04:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

ICAL Form

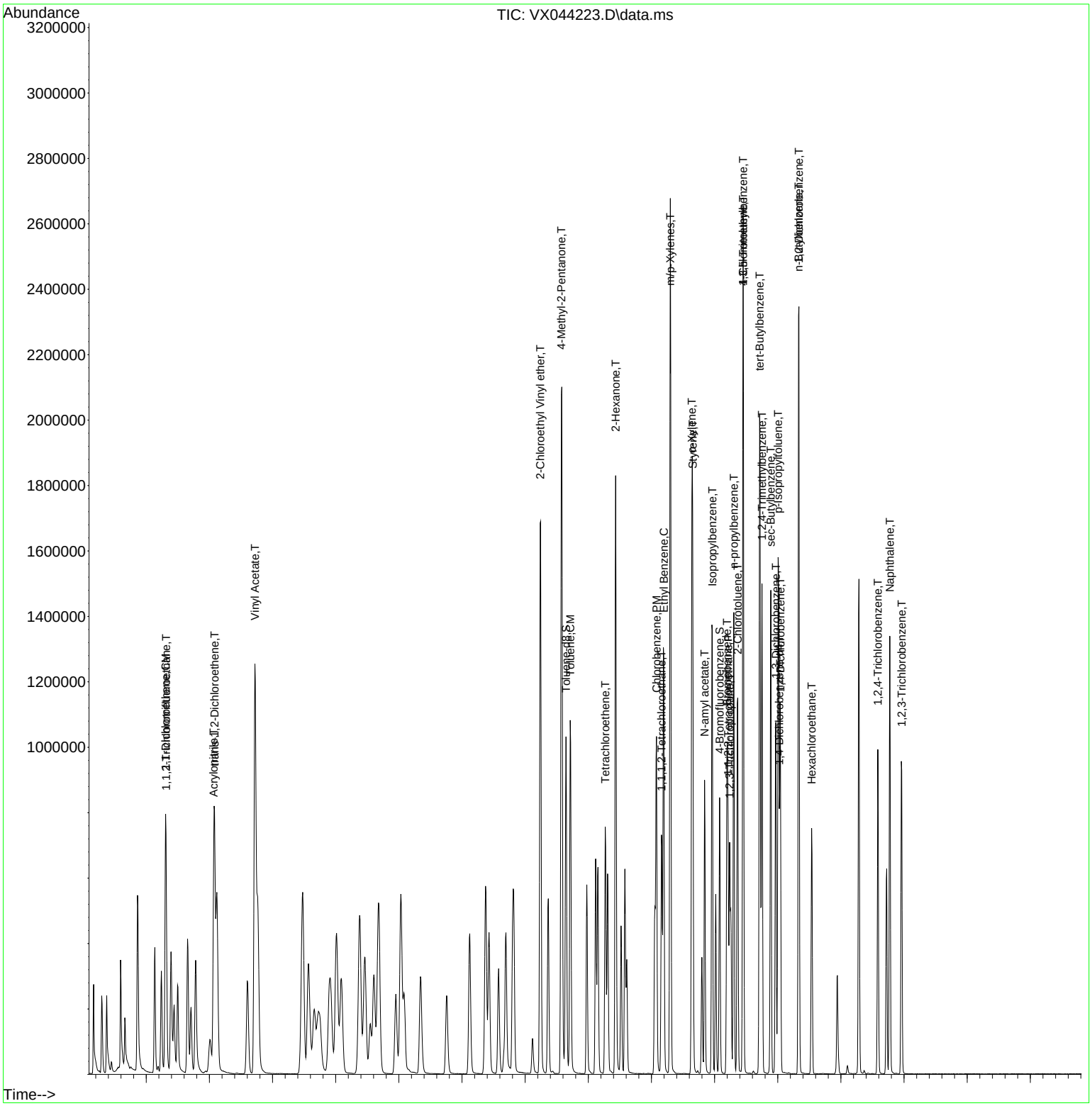
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044223.D
Acq On : 11 Dec 2024 12:37
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

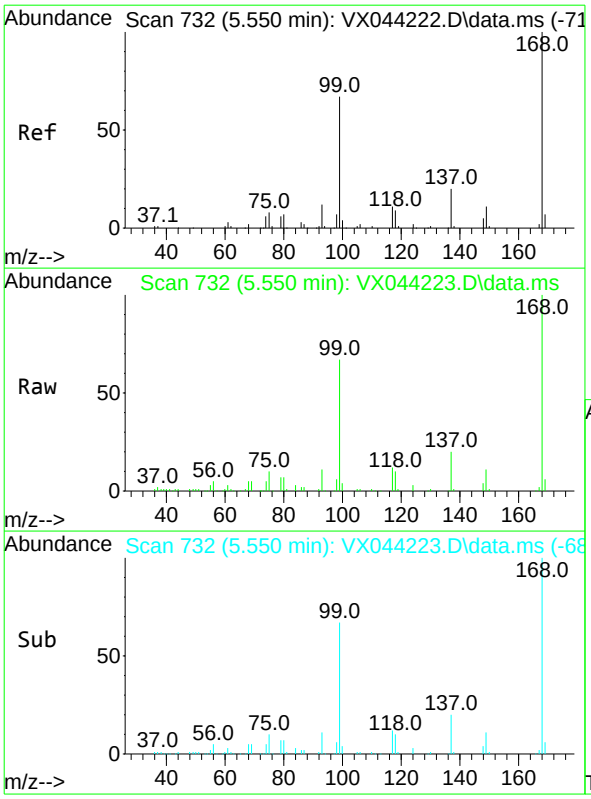
Quant Time: Dec 12 04:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

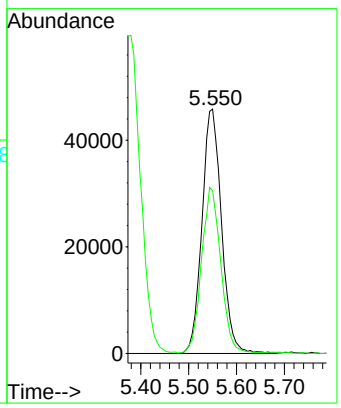
Tgt Ion:168 Resp: 130101

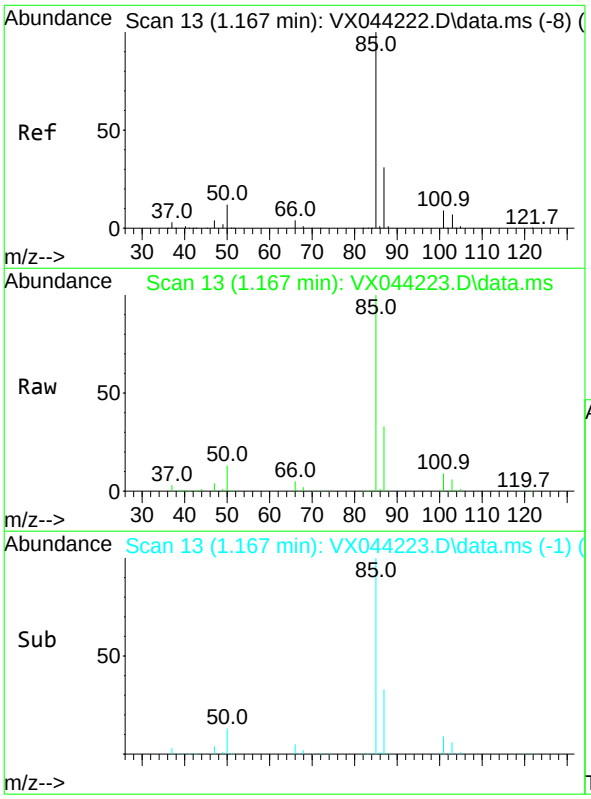
Ion	Ratio	Lower	Upper
168	100		
99	66.4	53.4	80.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

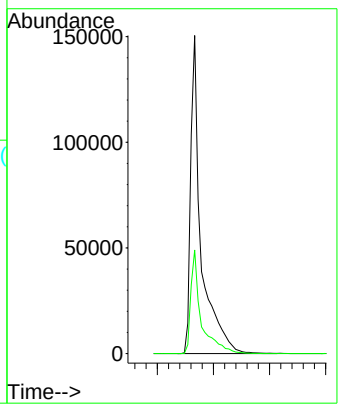


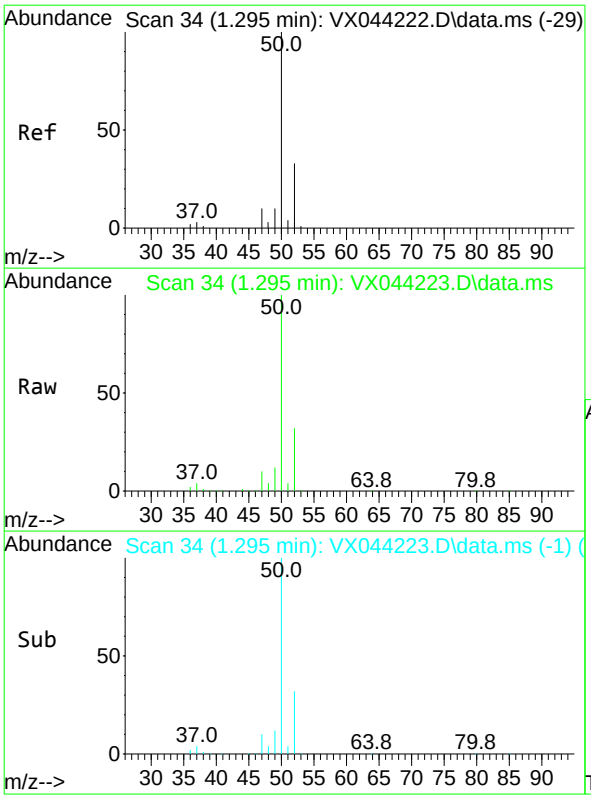


#2
Dichlorodifluoromethane
Concen: 96.329 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 85 Resp: 193785

Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.4	46.4





#3
Chloromethane
Concen: 96.774 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 50 Resp: 186167

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
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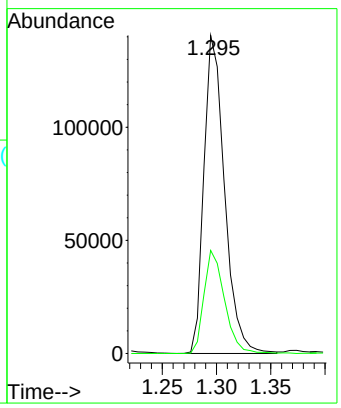
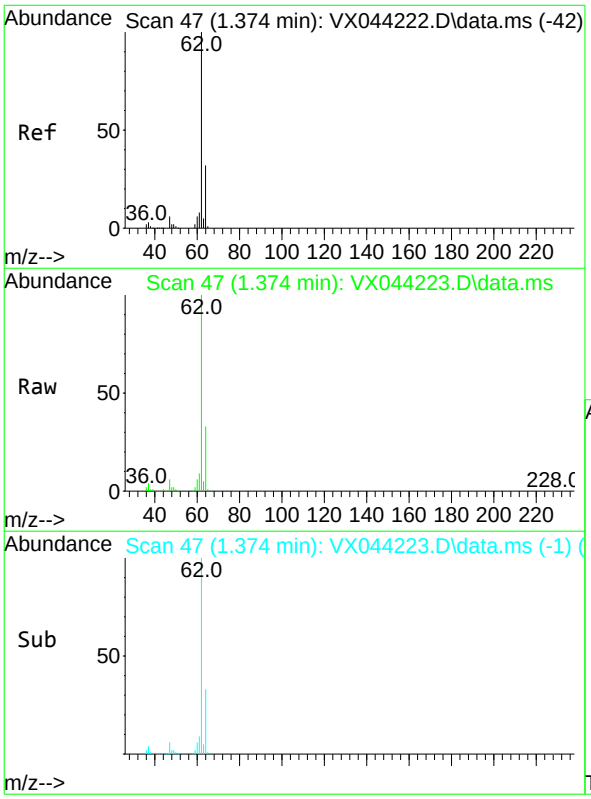
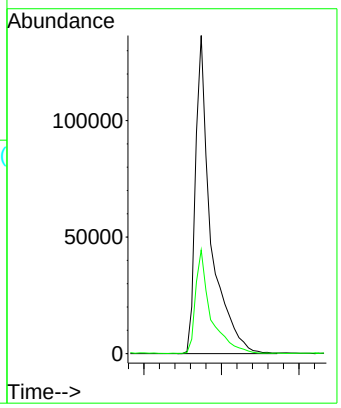


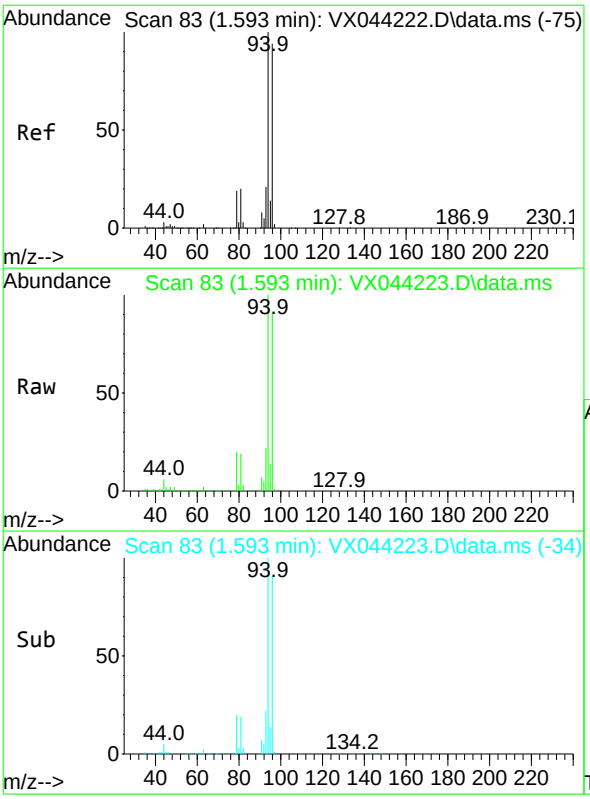


#4
Vinyl Chloride
Concen: 93.675 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 62 Resp: 187739

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.7	38.5





#5
Bromomethane
Concen: 96.897 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

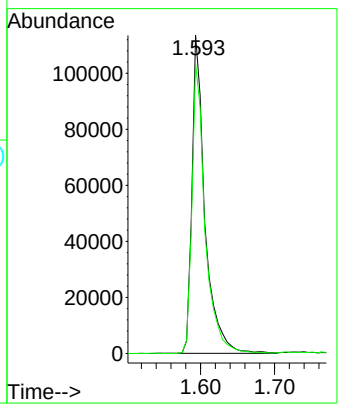
Tgt Ion: 94 Resp: 137770

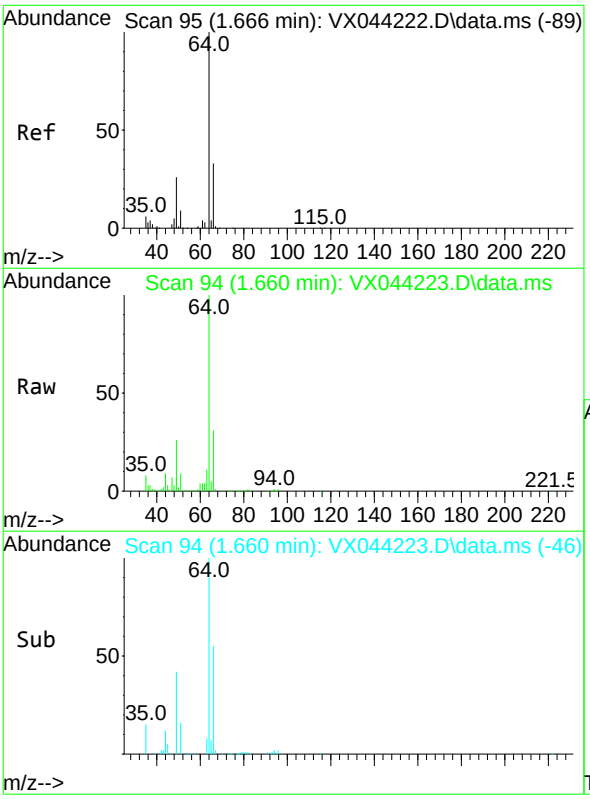
Ion	Ratio	Lower	Upper
94	100		
96	91.1	74.9	112.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

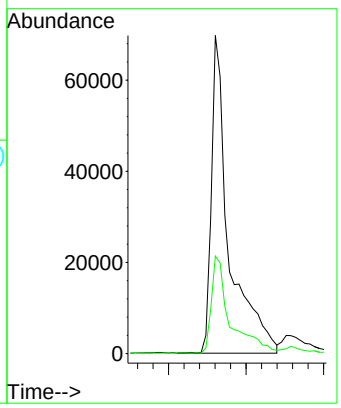


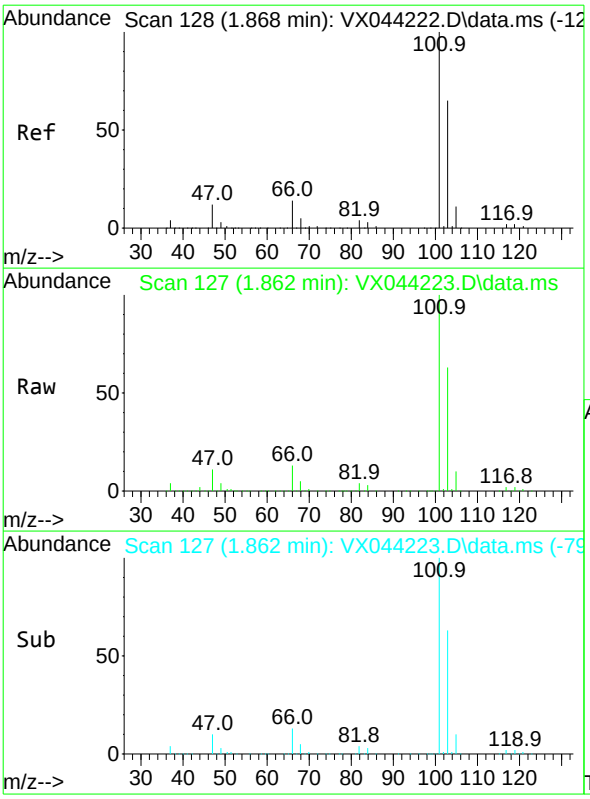


#6
Chloroethane
Concen: 88.074 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 64 Resp: 109912

Ion	Ratio	Lower	Upper
64	100		
66	30.5	26.6	39.8





#7
Trichlorofluoromethane
Concen: 98.030 ug/l
RT: 1.862 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

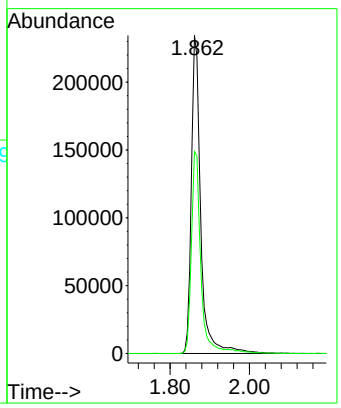
Tgt Ion:101 Resp: 384622

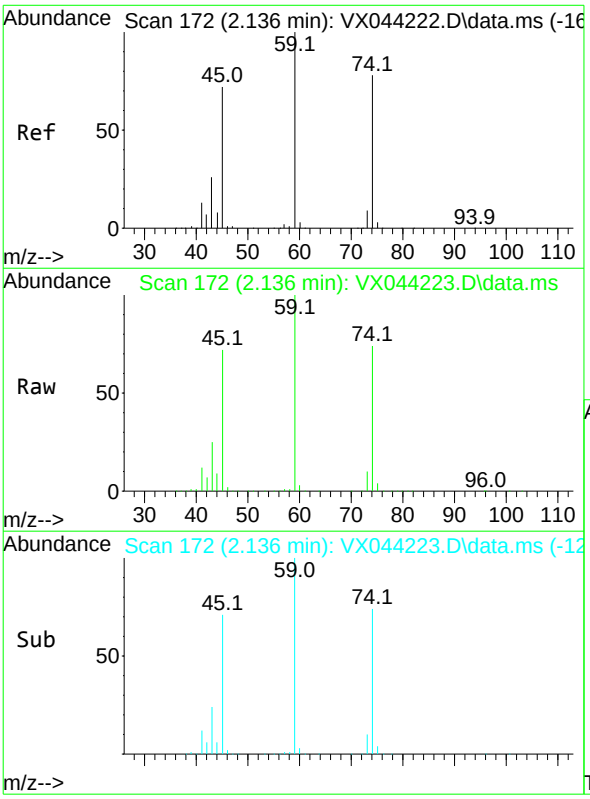
Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.8	77.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

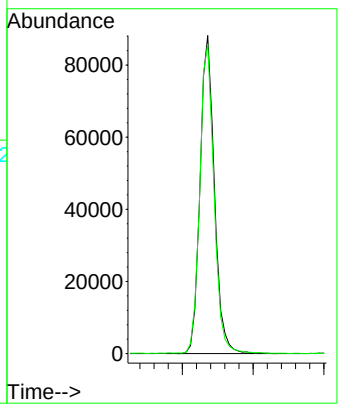


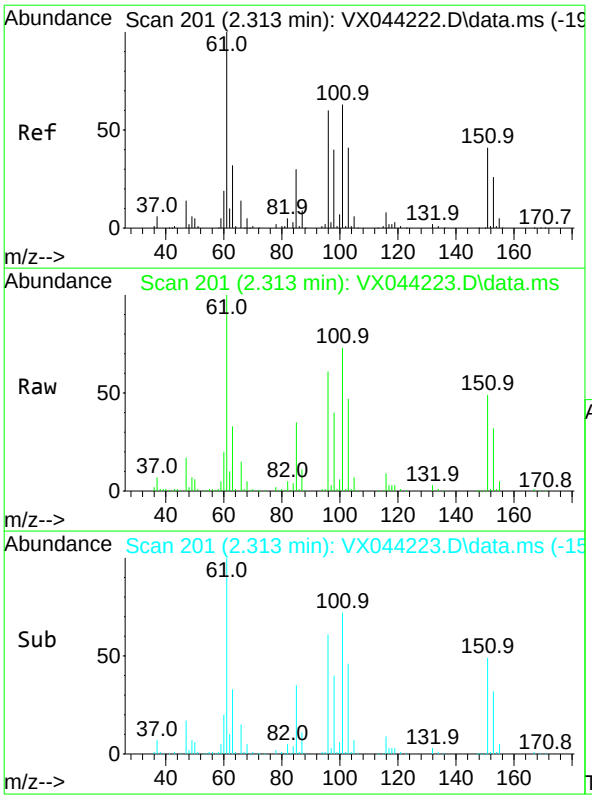


#8
Diethyl Ether
Concen: 92.618 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 74 Resp: 124039

Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.4	145.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 93.944 ug/l
RT: 2.313 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

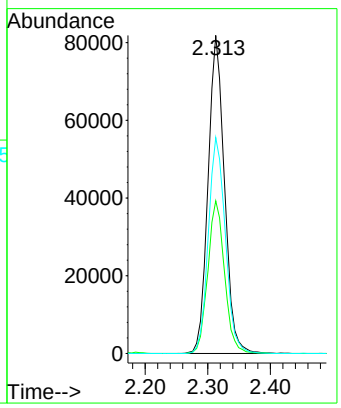
Tgt Ion:101 Resp: 149151

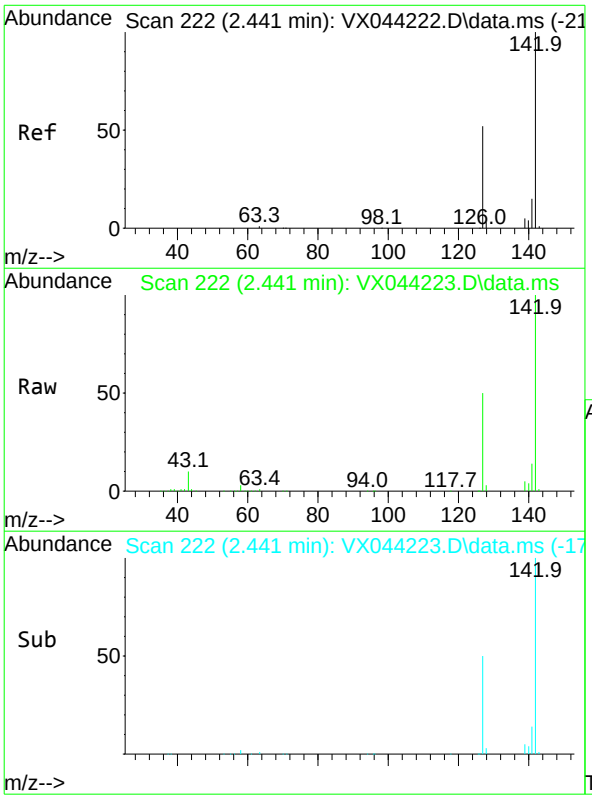
Ion	Ratio	Lower	Upper
101	100		
85	48.9	38.5	57.7
151	70.5	55.8	83.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

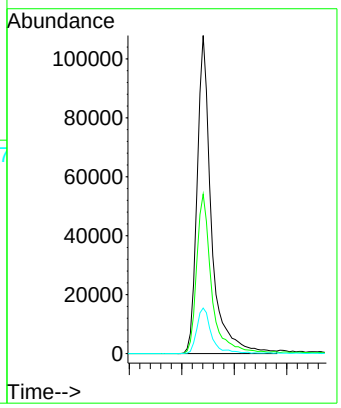


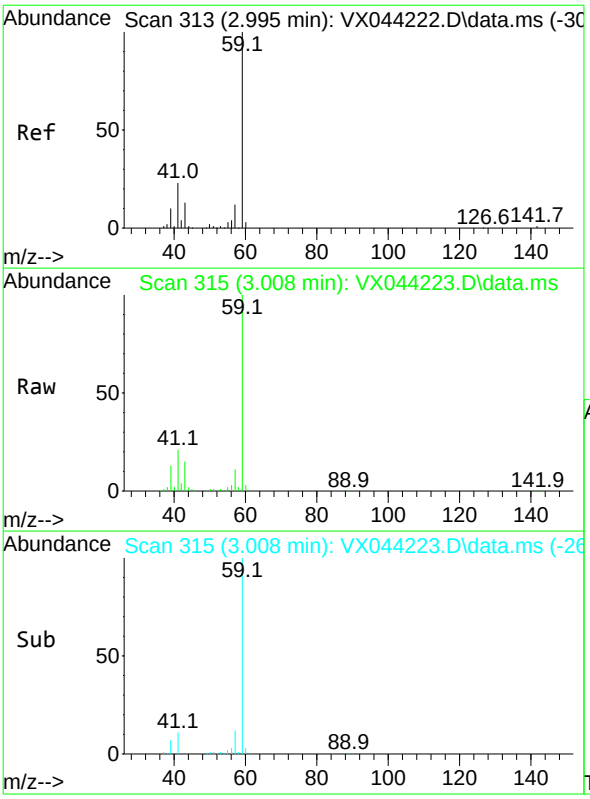


#10
Methyl Iodide
Concen: 97.275 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:142 Resp: 203545

Ion	Ratio	Lower	Upper
142	100		
127	52.4	41.8	62.8
141	14.8	11.5	17.3





#11
Tert butyl alcohol
Concen: 539.406 ug/l
RT: 3.008 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 59 Resp: 173139

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.8	13.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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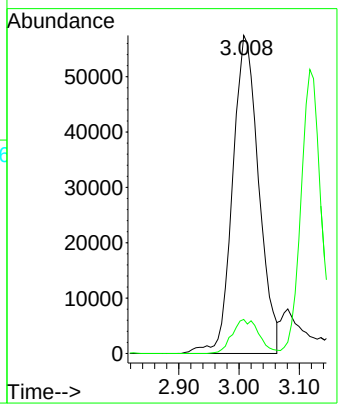
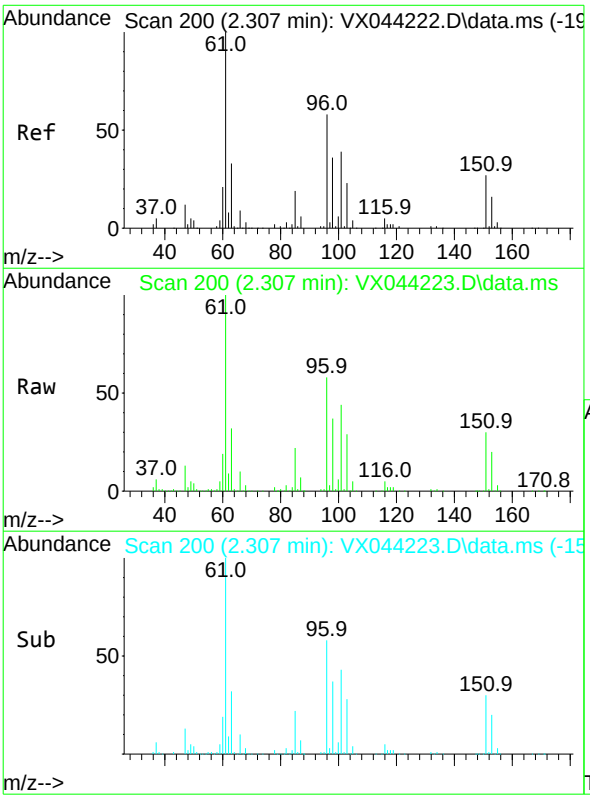
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

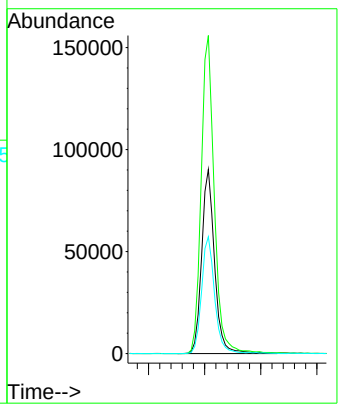


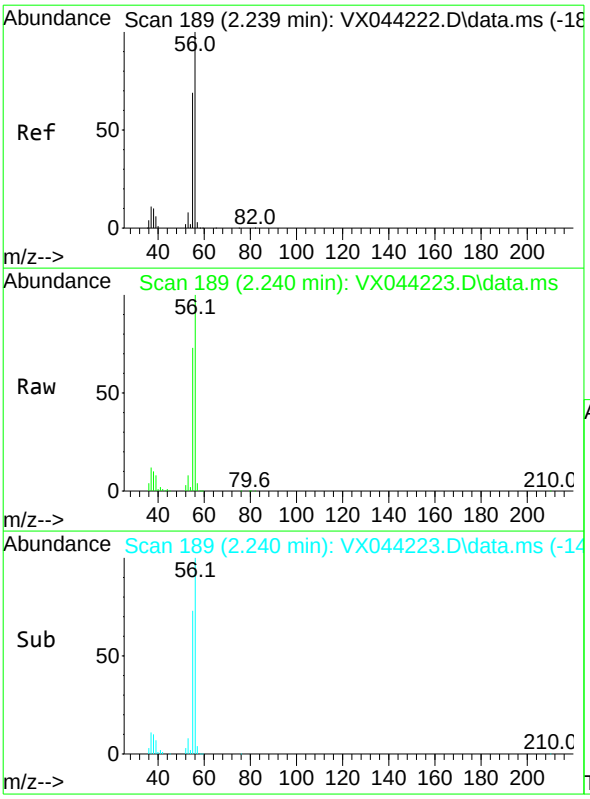


#12
1,1-Dichloroethene
Concen: 98.930 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 96 Resp: 144268

Ion	Ratio	Lower	Upper
96	100		
61	172.7	138.0	207.0
98	63.5	50.0	75.0





#13
Acrolein
Concen: 485.718 ug/l
RT: 2.240 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 56 Resp: 226037

Ion	Ratio	Lower	Upper
56	100		
55	71.7	56.6	84.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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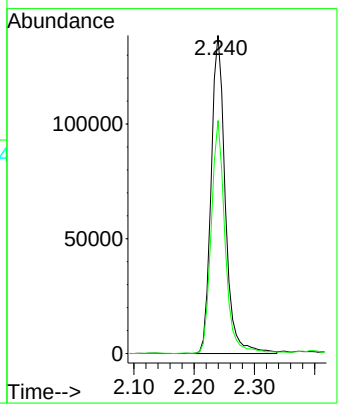
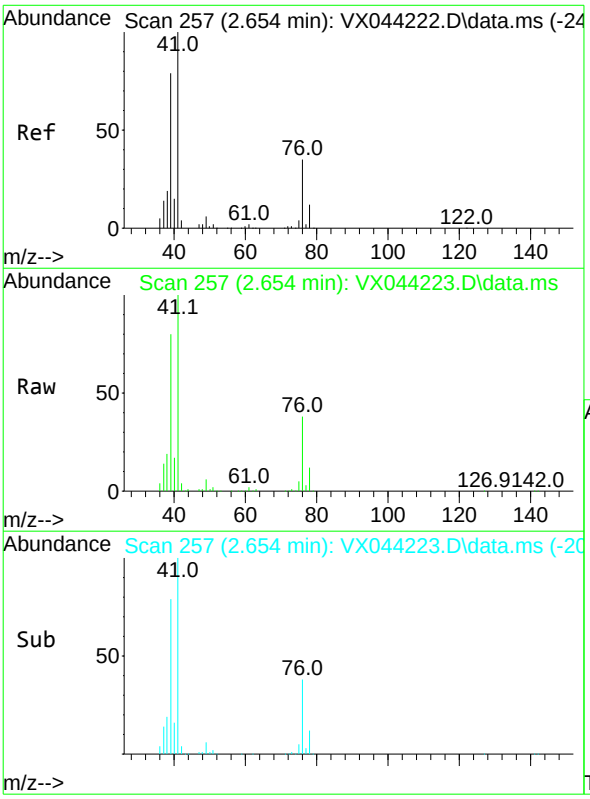
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

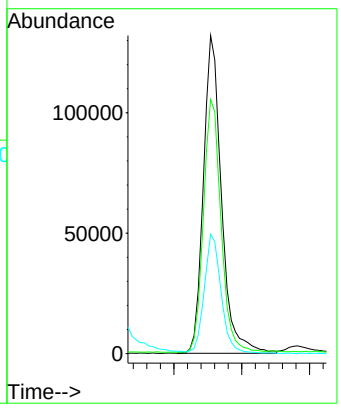


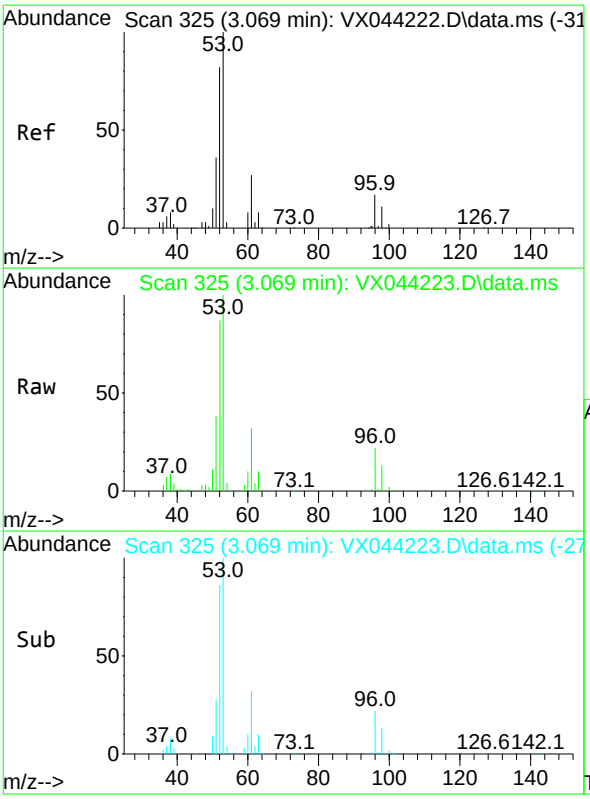


#14
Allyl chloride
Concen: 100.703 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 41 Resp: 244602

Ion	Ratio	Lower	Upper
41	100		
39	77.0	61.9	92.9
76	34.7	27.4	41.2





#15
Acrylonitrile
Concen: 501.661 ug/l
RT: 3.069 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 53 Resp: 446747

Ion	Ratio	Lower	Upper
53	100		
52	84.0	67.4	101.0
51	37.0	30.3	45.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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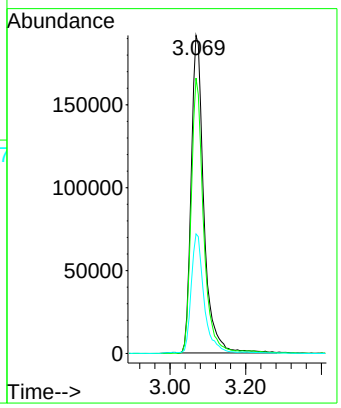
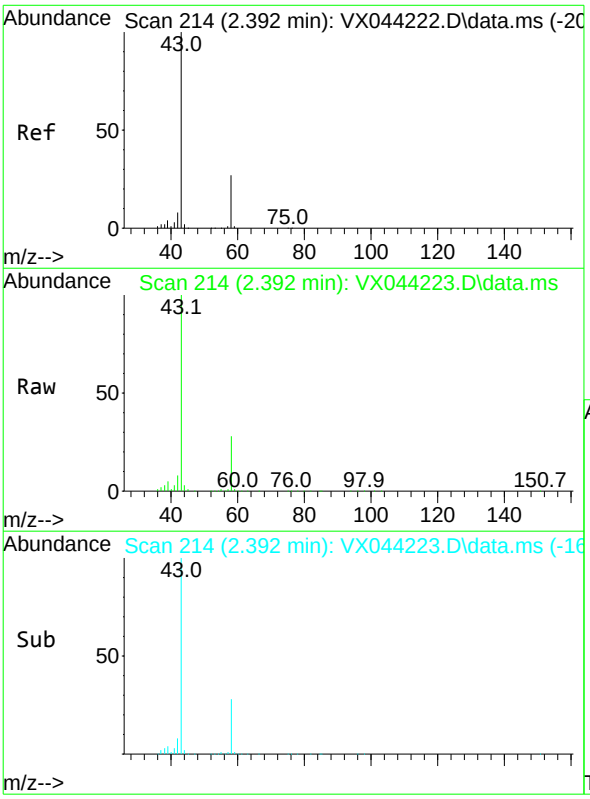
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

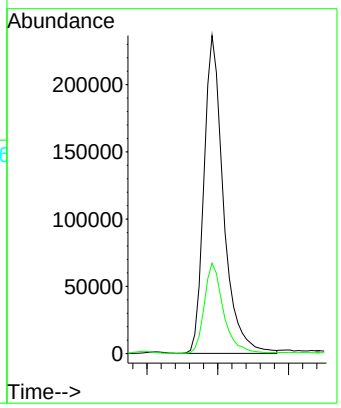


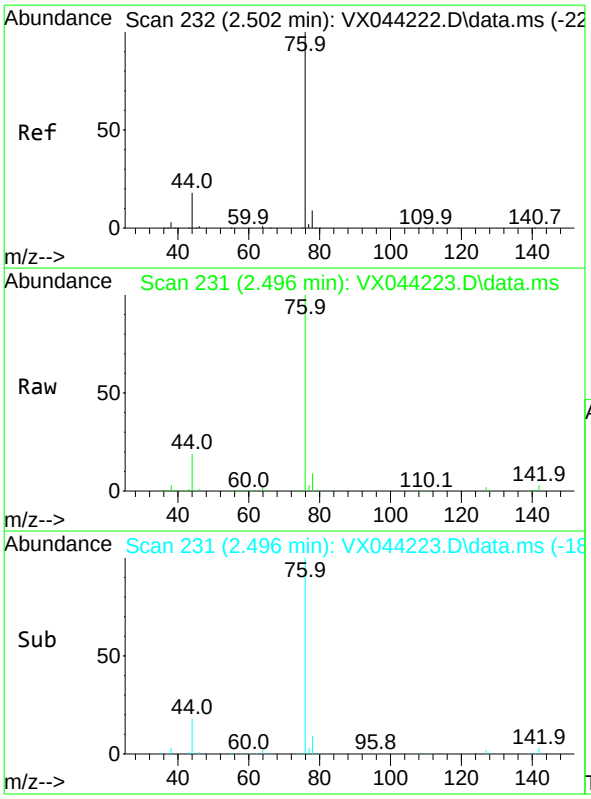


#16
Acetone
Concen: 487.065 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 452955

Ion	Ratio	Lower	Upper
43	100		
58	28.4	21.6	32.4





#17
Carbon Disulfide
Concen: 115.453 ug/l
RT: 2.496 min Scan# 23
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 76 Resp: 320036

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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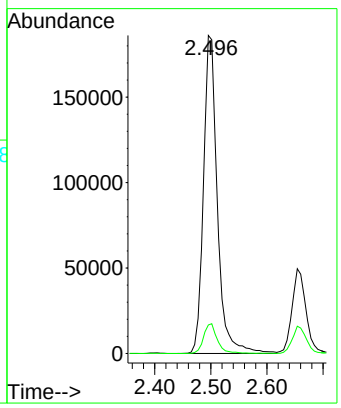
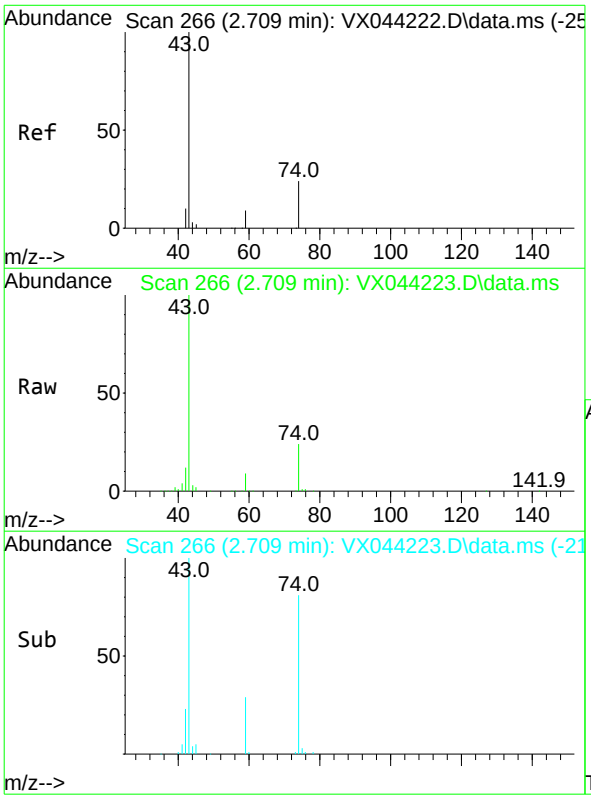
Supervised By :Mahesh Dadoda 12/12/2024

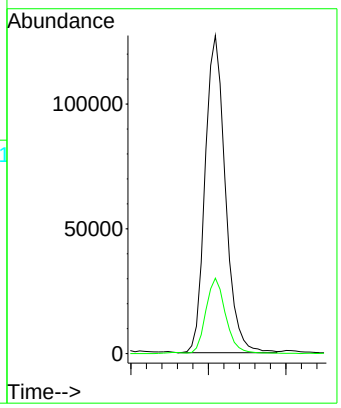


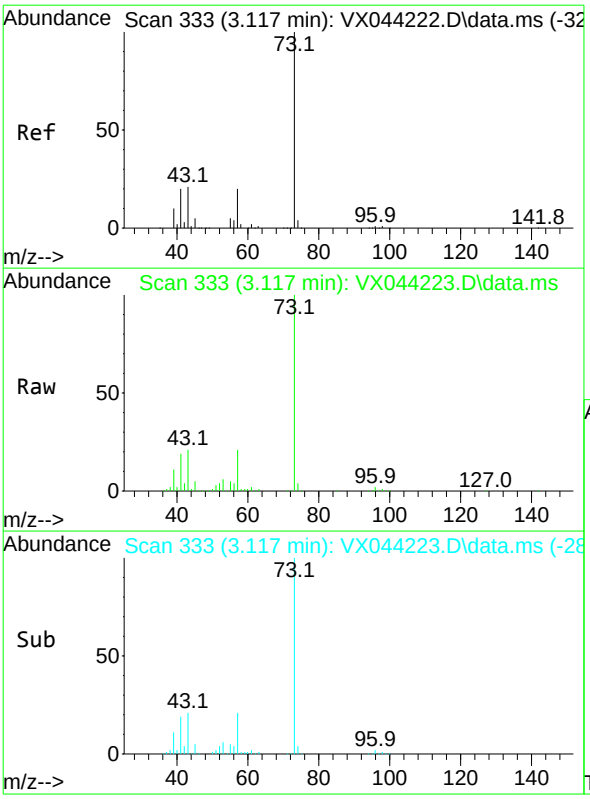


#18
Methyl Acetate
Concen: 96.338 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 230998

Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.7	26.5





#19
Methyl tert-butyl Ether
Concen: 99.205 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 73 Resp: 564545

Ion	Ratio	Lower	Upper
73	100		
57	20.8	16.2	24.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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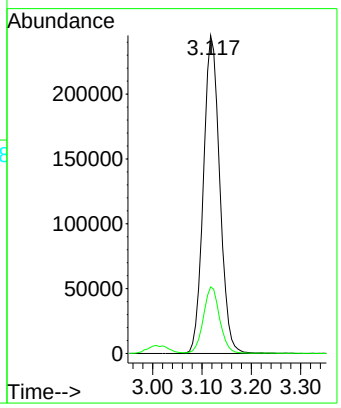
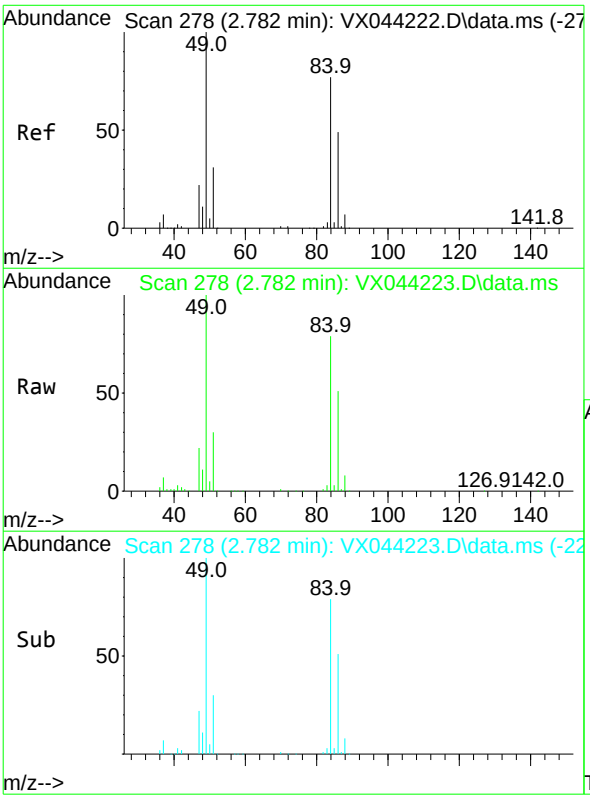
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

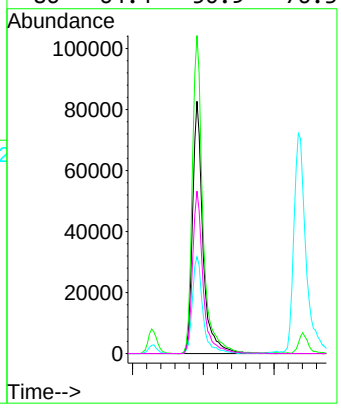


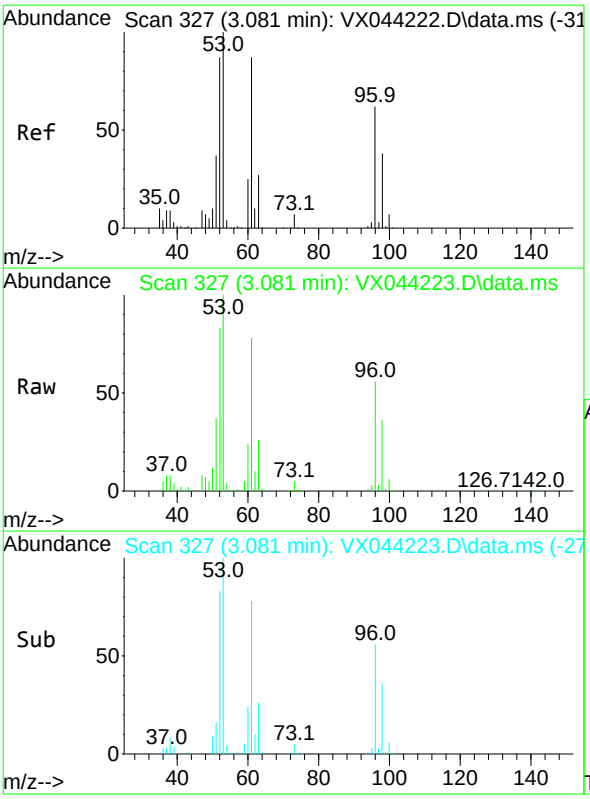


#20
Methylene Chloride
Concen: 96.466 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 84 Resp: 168498

Ion	Ratio	Lower	Upper
84	100		
49	126.1	104.2	156.4
51	38.4	32.2	48.4
86	64.4	50.9	76.3





#21
trans-1,2-Dichloroethene
Concen: 99.880 ug/l
RT: 3.081 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 96 Resp: 154797

Ion	Ratio	Lower	Upper
96	100		
61	138.4	112.0	168.0
98	63.5	48.8	73.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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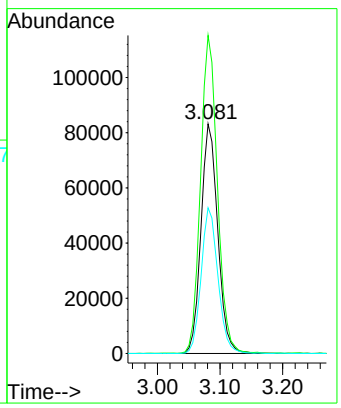
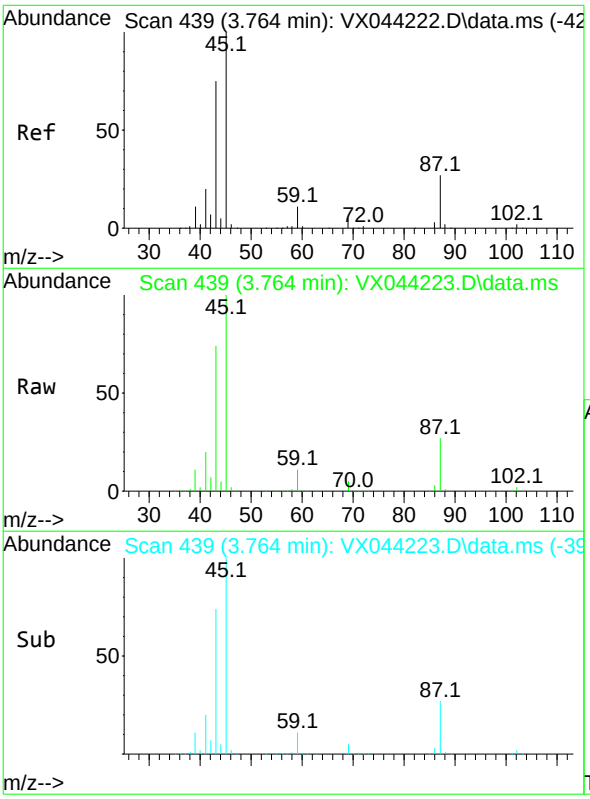
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

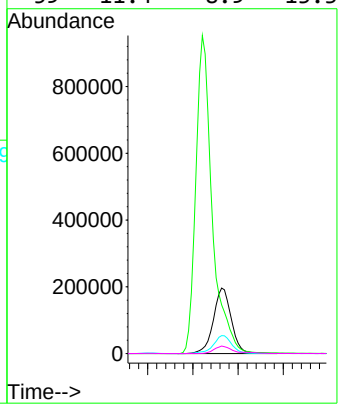


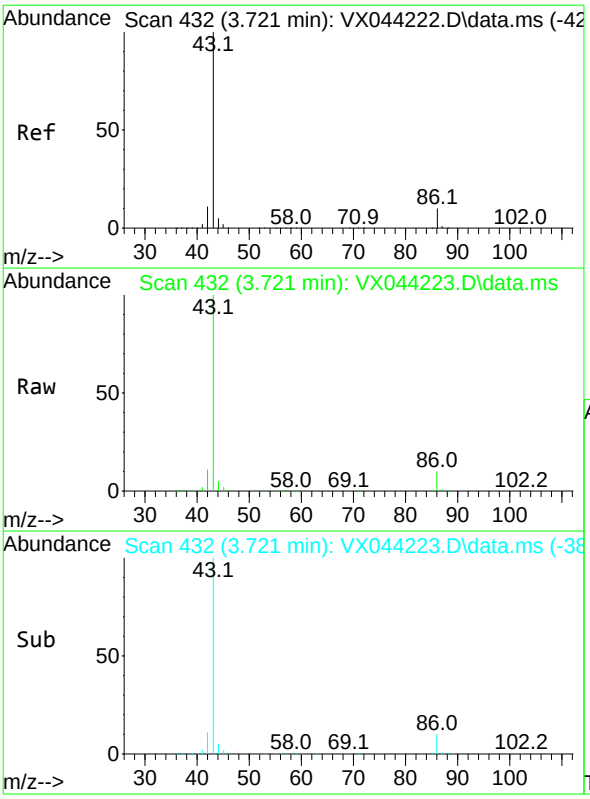


#22
Diisopropyl ether
Concen: 98.498 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 45 Resp: 538742

Ion	Ratio	Lower	Upper
45	100		
43	74.2	60.2	90.2
87	27.4	21.2	31.8
59	11.4	8.9	13.3





#23
Vinyl Acetate
Concen: 538.801 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 2395923

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.2	12.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 12/12/2024
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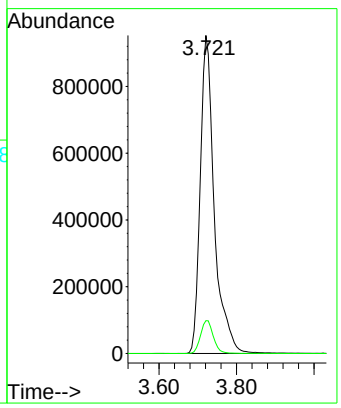
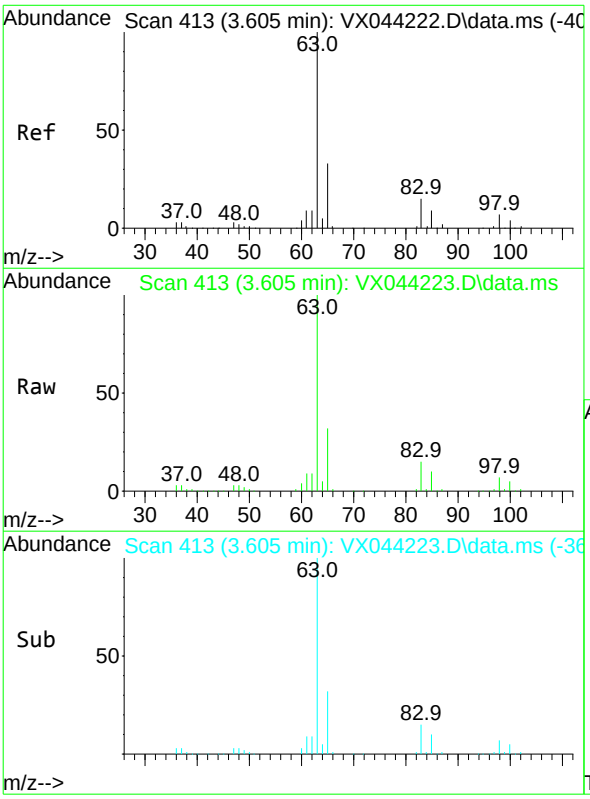
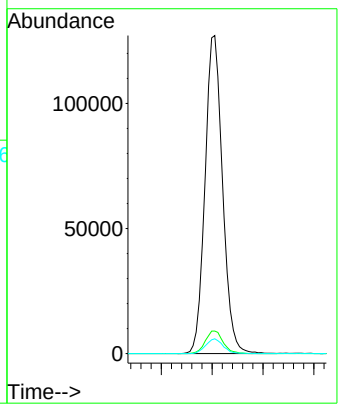


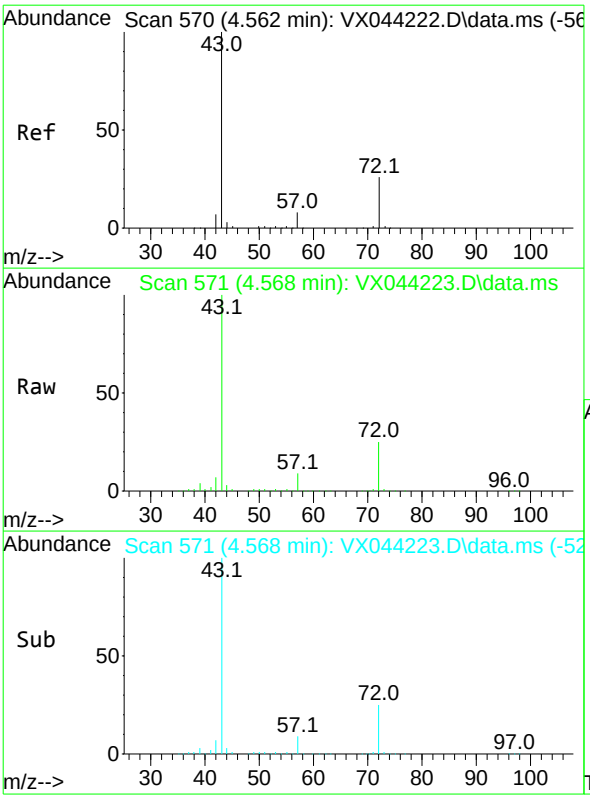


#24
1,1-Dichloroethane
Concen: 99.915 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 63 Resp: 304626

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.6	10.8
100	4.6	2.1	6.3





#25
2-Butanone
Concen: 501.306 ug/l
RT: 4.568 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 662768

Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.2	30.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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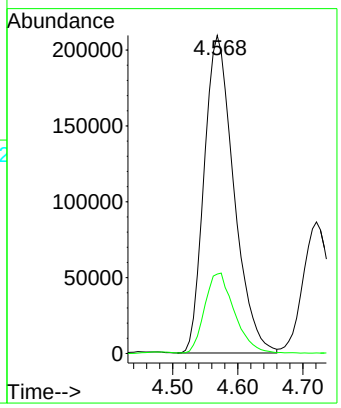
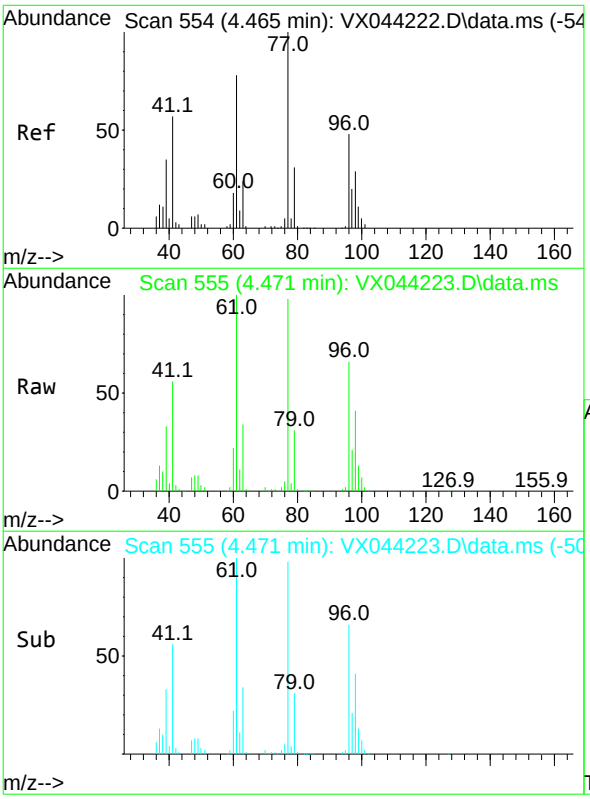
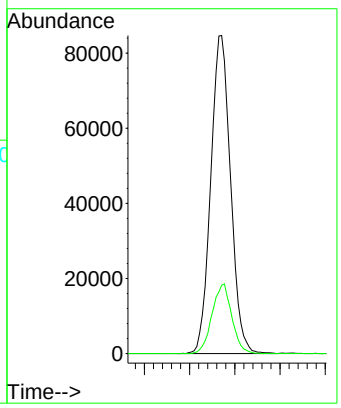


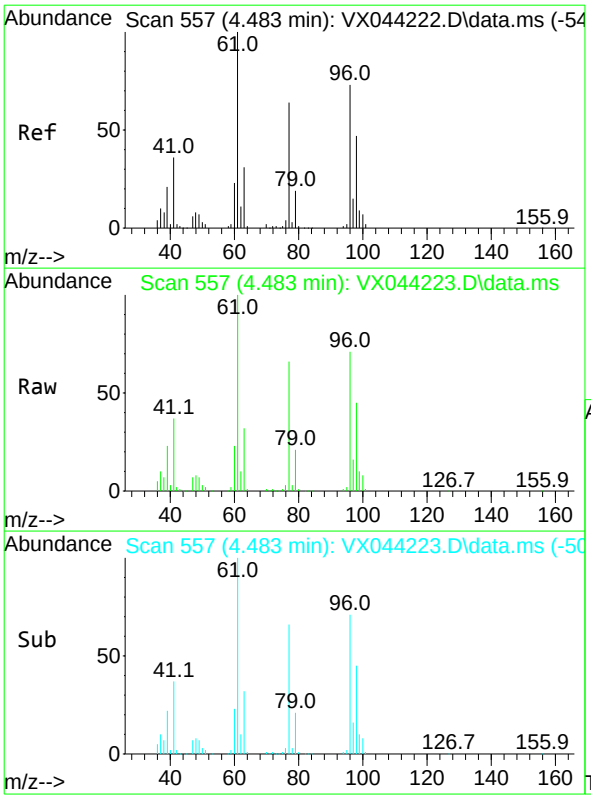


#26
2,2-Dichloropropane
Concen: 104.201 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 77 Resp: 258092

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 96.593 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 96 Resp: 190127

Ion	Ratio	Lower	Upper
96	100		
61	148.5	0.0	299.0
98	64.2	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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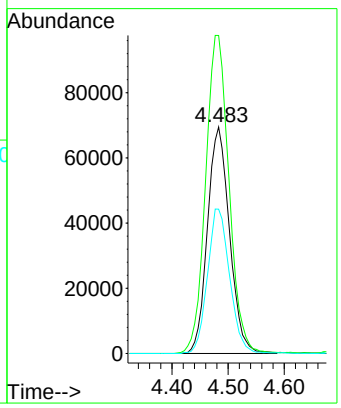
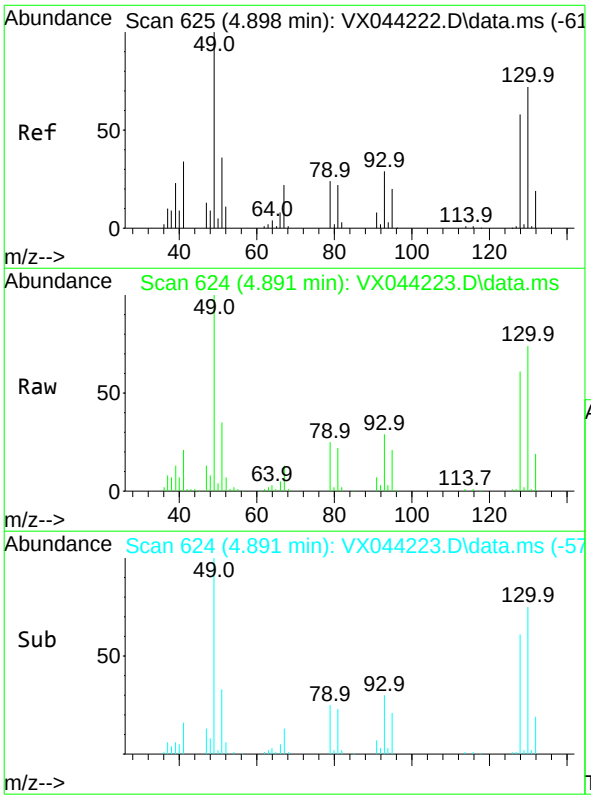
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

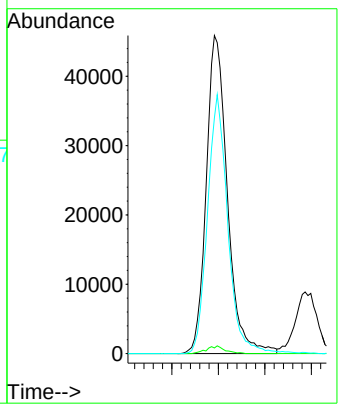


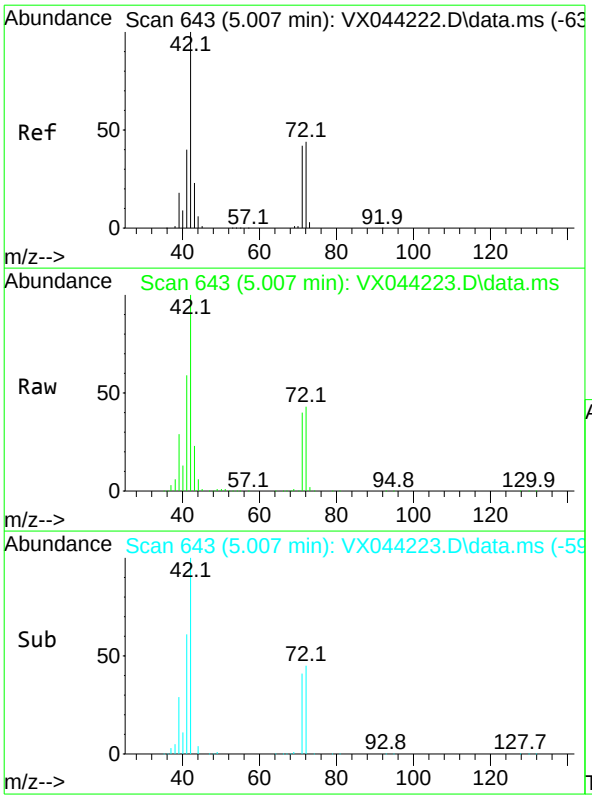


#28
Bromochloromethane
Concen: 96.842 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 49 Resp: 144783

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	78.2	62.1	93.1





#29
Tetrahydrofuran
Concen: 486.290 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 42 Resp: 412666

Ion	Ratio	Lower	Upper
42	100		
72	45.6	37.0	55.6
71	42.1	33.6	50.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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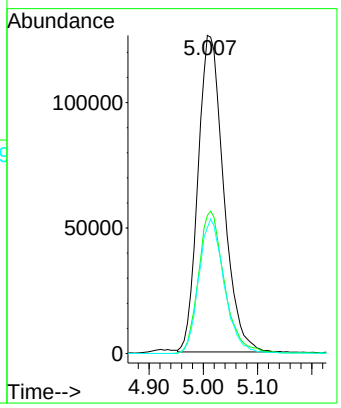
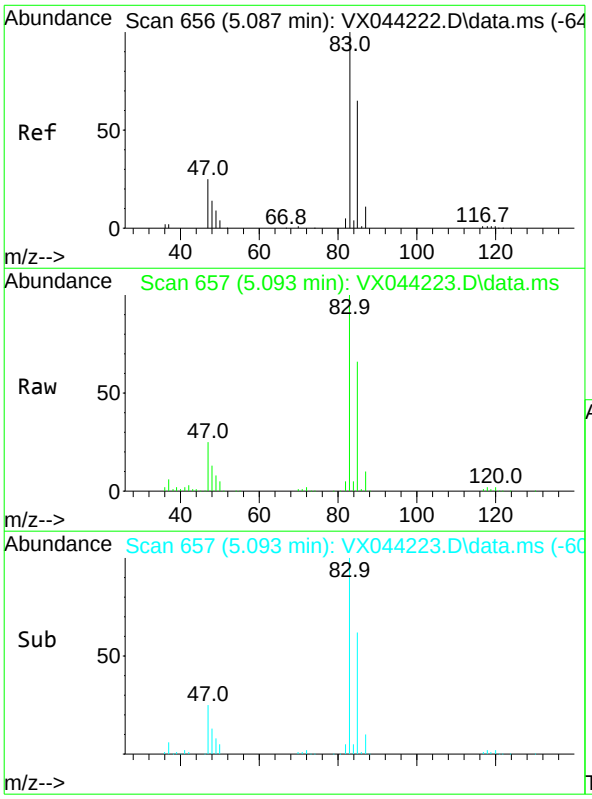
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

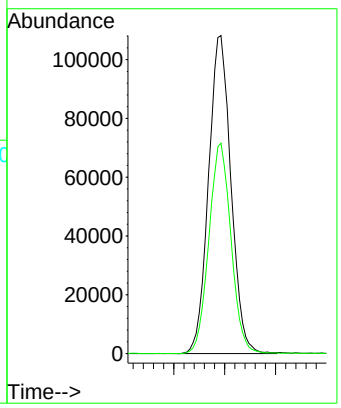


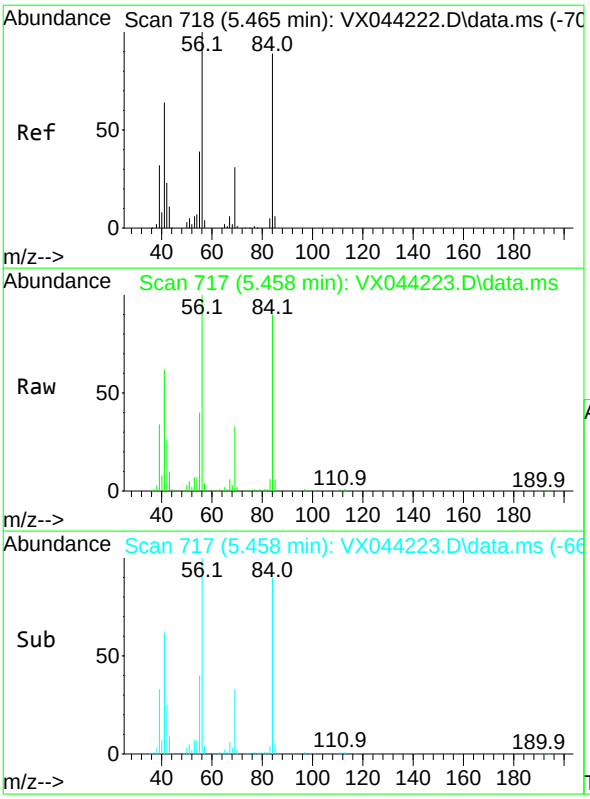


#30
Chloroform
Concen: 96.642 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 83 Resp: 331047

Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.6	77.4





#31
Cyclohexane
Concen: 97.433 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 56 Resp: 239879

Ion	Ratio	Lower	Upper
56	100		
69	32.8	24.7	37.1
84	87.3	71.0	106.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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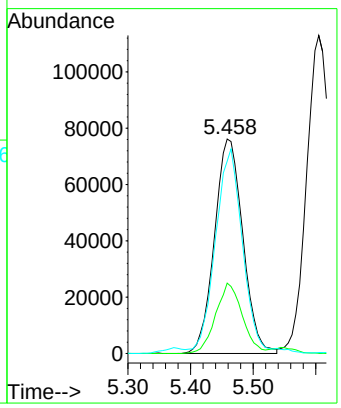
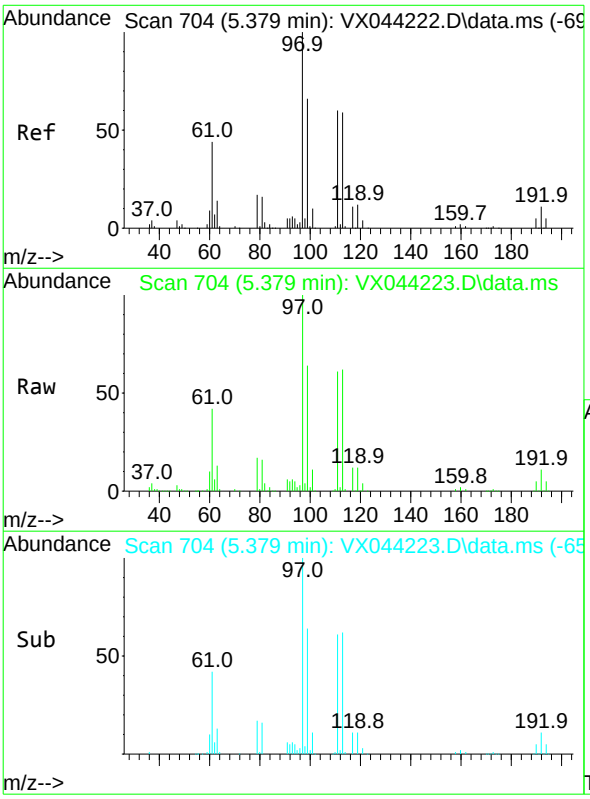
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

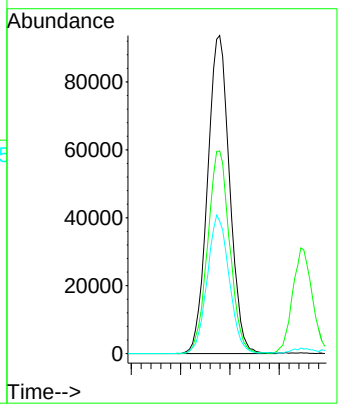


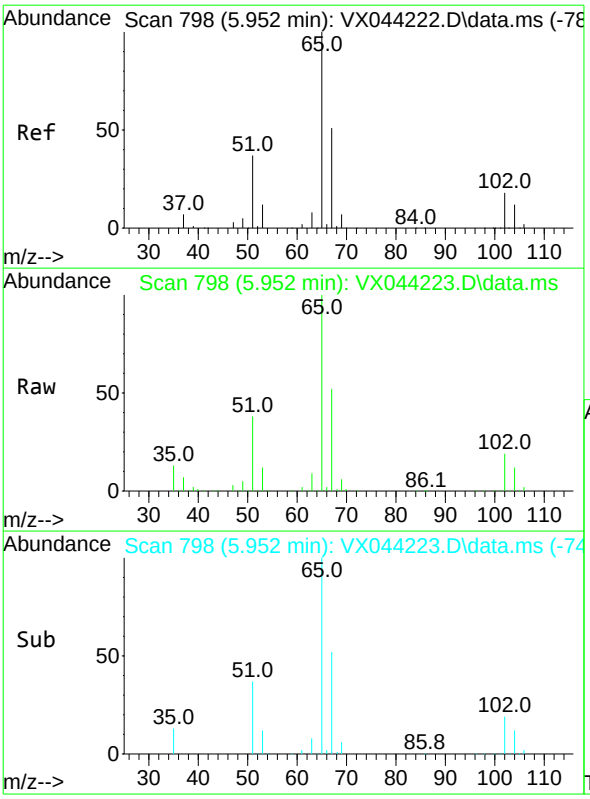


#32
1,1,1-Trichloroethane
Concen: 102.363 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 97 Resp: 291065

Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.8	76.2
61	43.3	35.2	52.8





#33
1,2-Dichloroethane-d4
Concen: 98.326 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 65 Resp: 224292

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	101.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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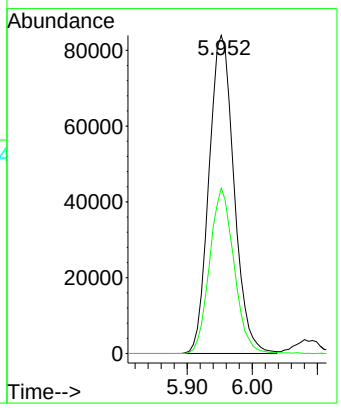
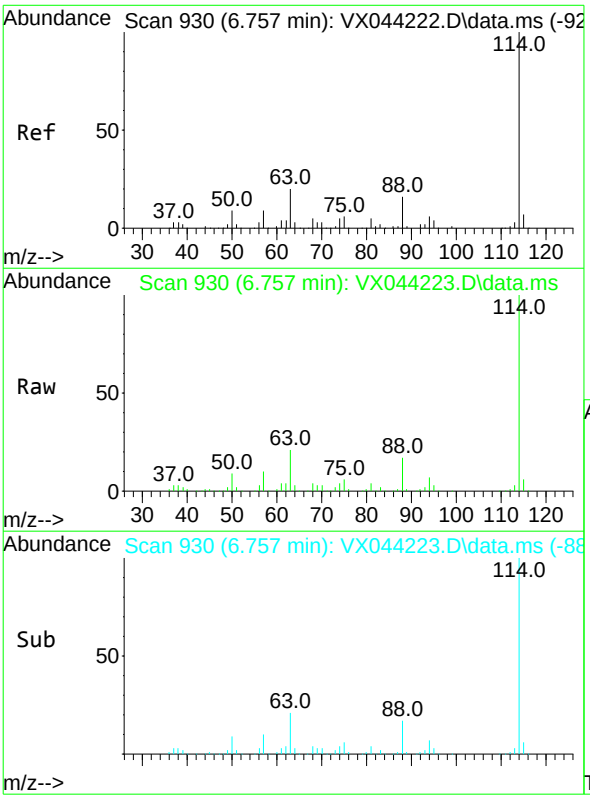
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

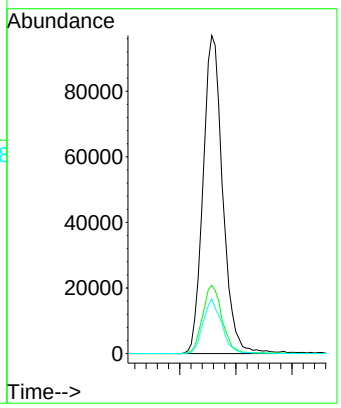


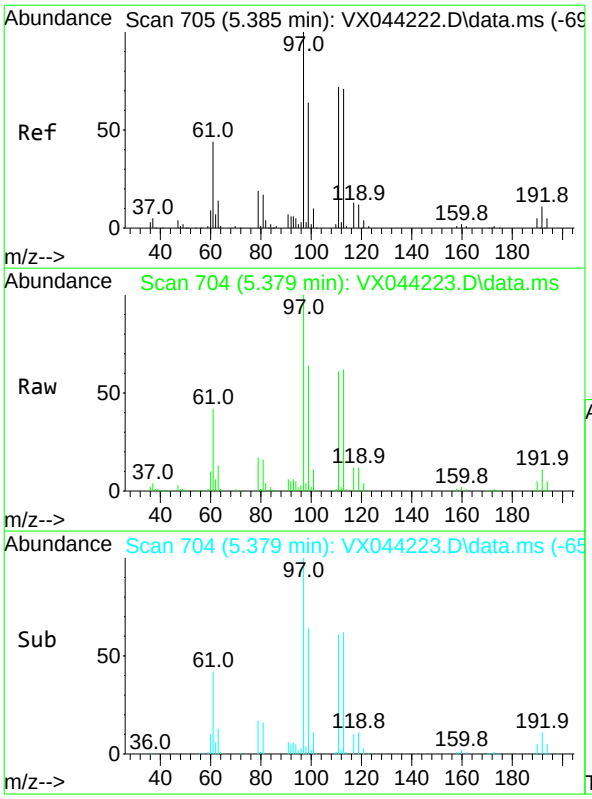


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:114 Resp: 235738

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	40.6
88	17.2	0.0	31.8





#35
Dibromofluoromethane
Concen: 103.866 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:113 Resp: 169582

Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.4	120.6
192	16.7	13.3	19.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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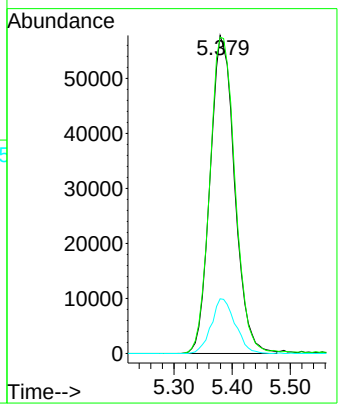
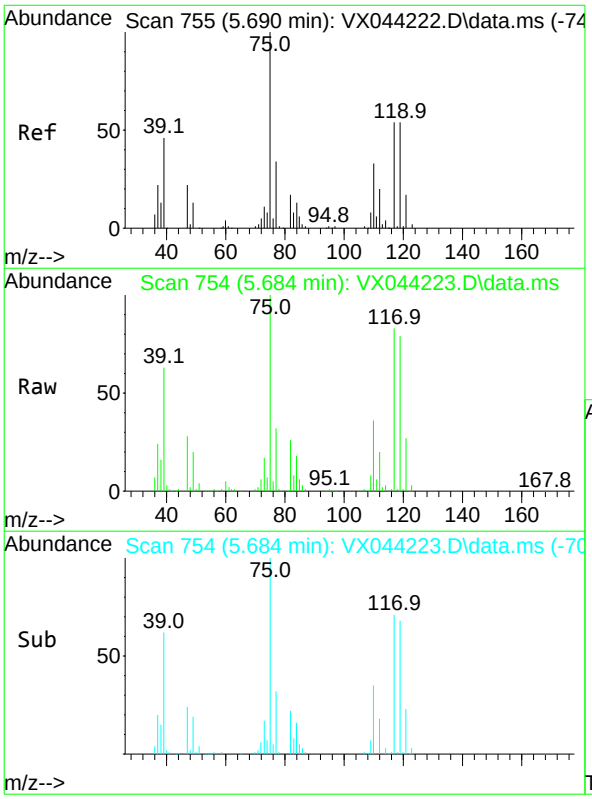
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

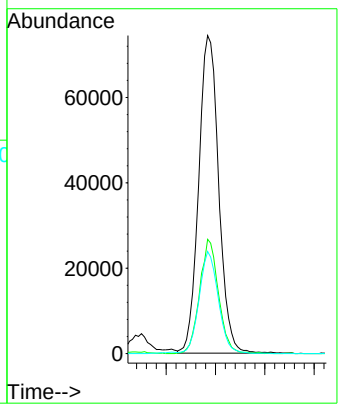


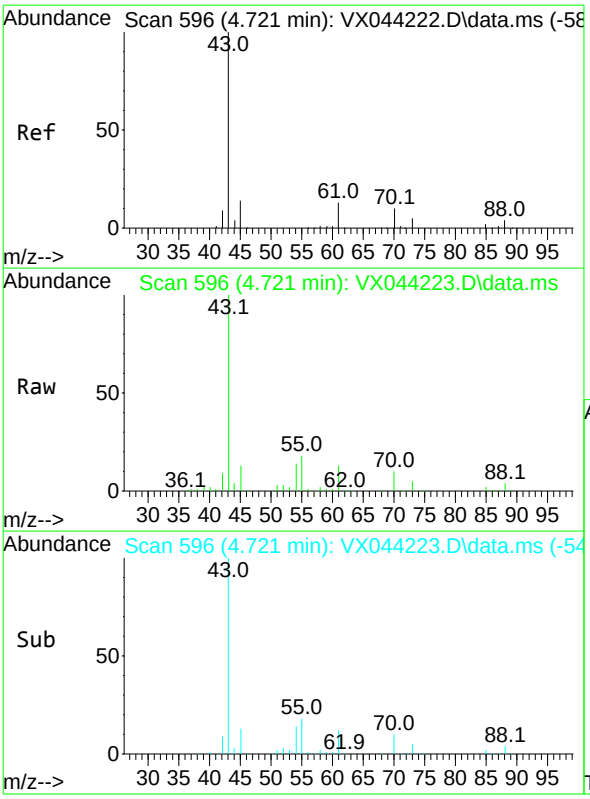


#36
1,1-Dichloropropene
Concen: 99.376 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 75 Resp: 209732

Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.3	51.7
77	30.6	25.4	38.0





#37
Ethyl Acetate
Concen: 102.079 ug/l
RT: 4.721 min Scan# 59
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 266307

Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.8	14.8
70	9.5	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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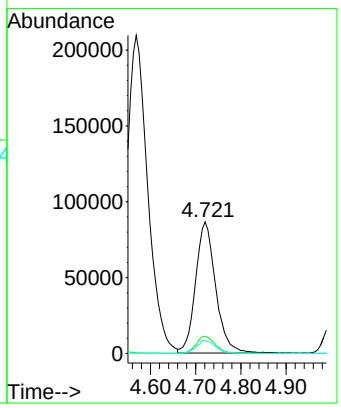
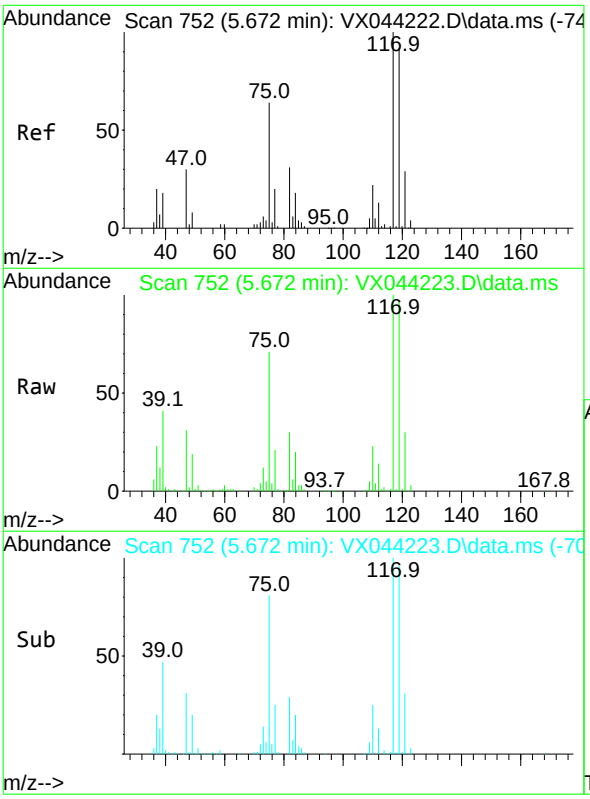
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

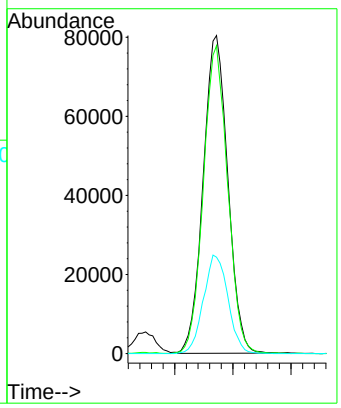


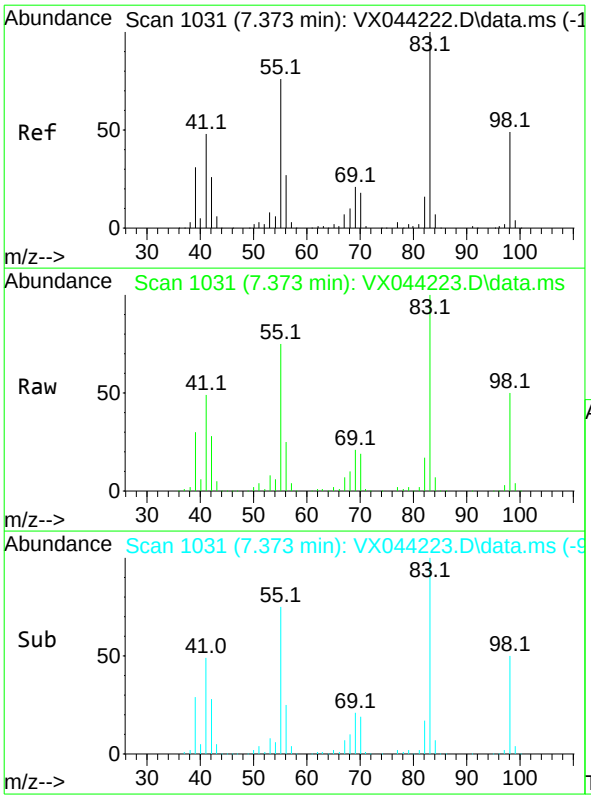


#38
Carbon Tetrachloride
Concen: 104.249 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:117 Resp: 236869

Ion	Ratio	Lower	Upper
117	100		
119	96.7	74.2	111.4
121	30.4	23.0	34.6





#39
Methylcyclohexane
Concen: 102.800 ug/l
RT: 7.373 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 83 Resp: 259368

Ion	Ratio	Lower	Upper
83	100		
55	74.5	60.7	91.1
98	49.6	38.9	58.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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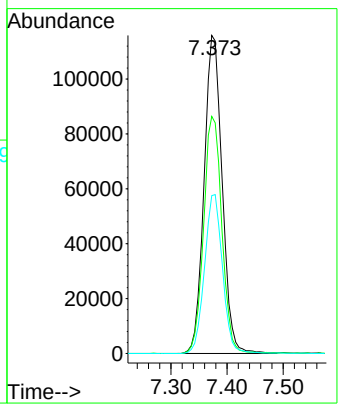
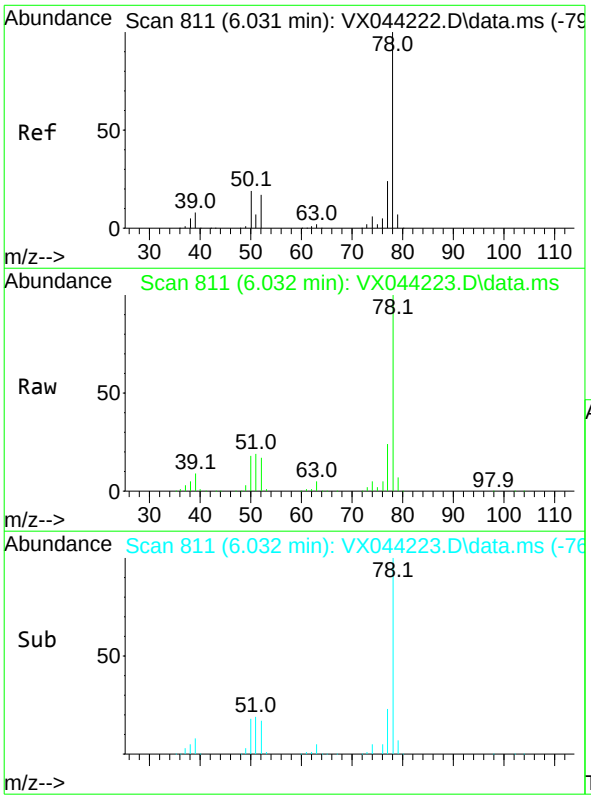
Supervised By :Mahesh Dadoda 12/12/2024

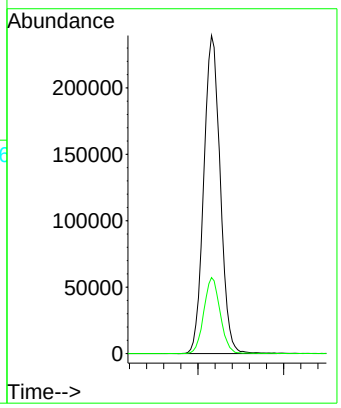


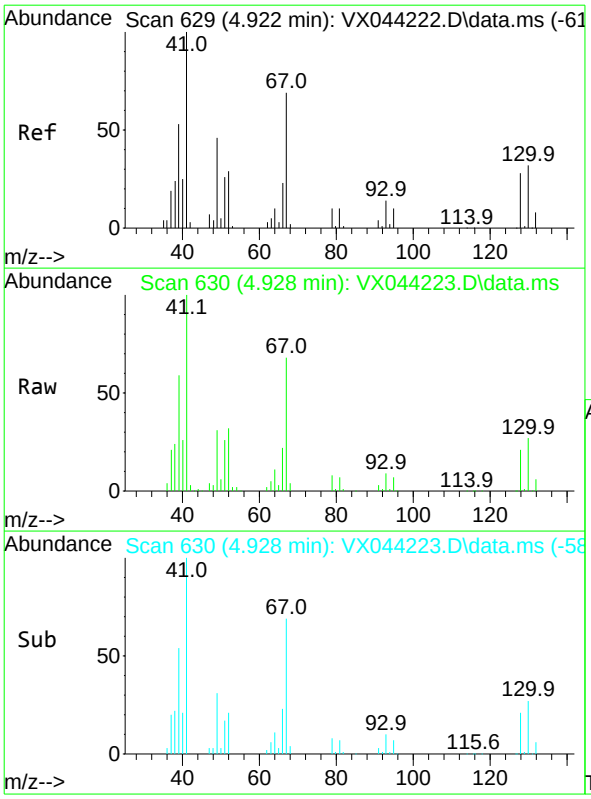


#40
Benzene
Concen: 99.575 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 78 Resp: 638055

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9

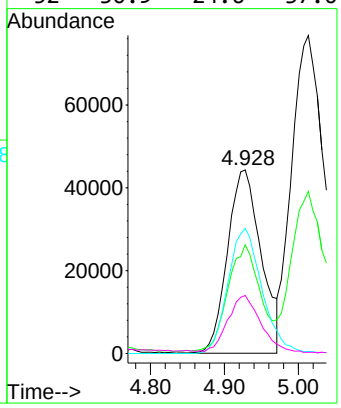




#41
Methacrylonitrile
Concen: 101.332 ug/l
RT: 4.928 min Scan# 63
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 41 Resp: 140375

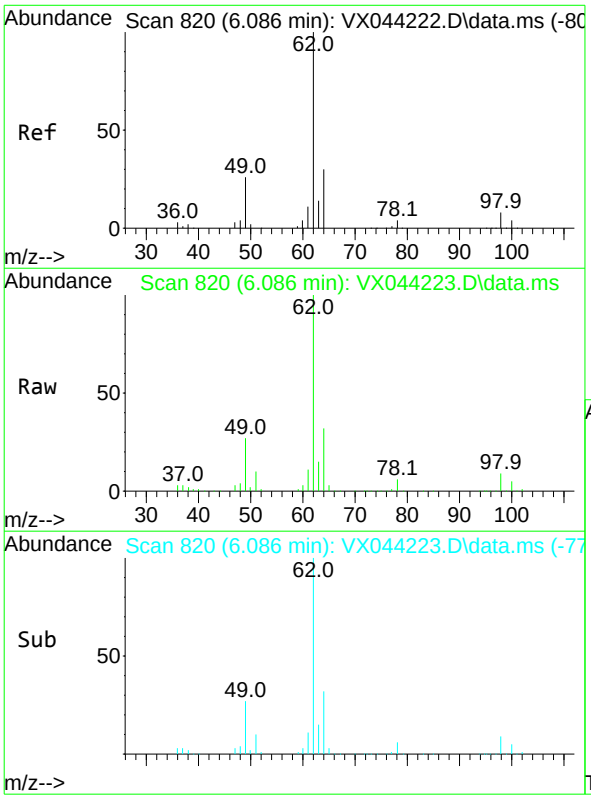
Ion	Ratio	Lower	Upper
41	100		
39	55.0	44.2	66.4
67	69.1	57.2	85.8
52	30.9	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

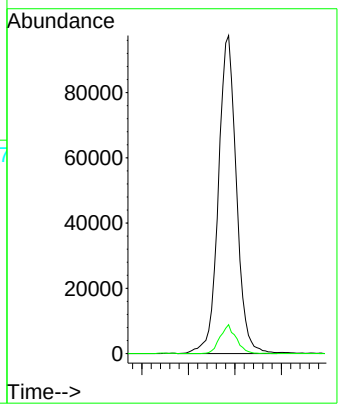
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

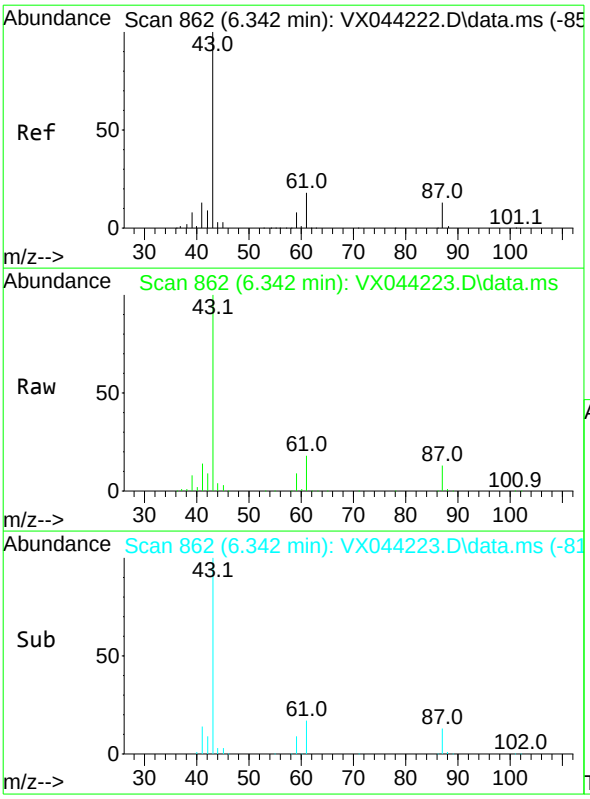


#42
1,2-Dichloroethane
Concen: 99.255 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 62 Resp: 261991

Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	15.8





#43
Isopropyl Acetate
Concen: 104.939 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 427893

Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.2	21.2
87	12.8	10.2	15.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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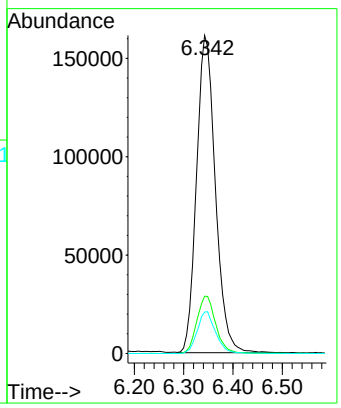
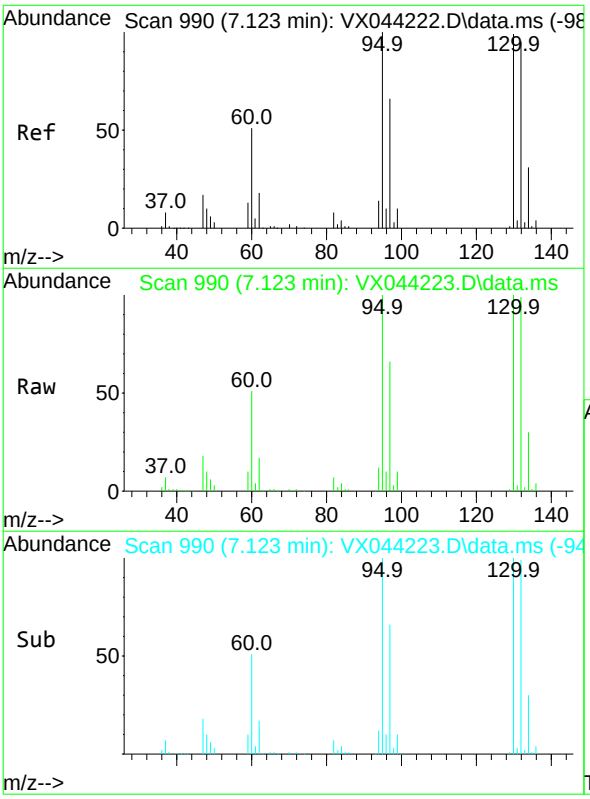
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

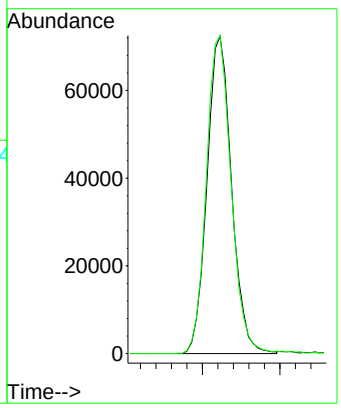


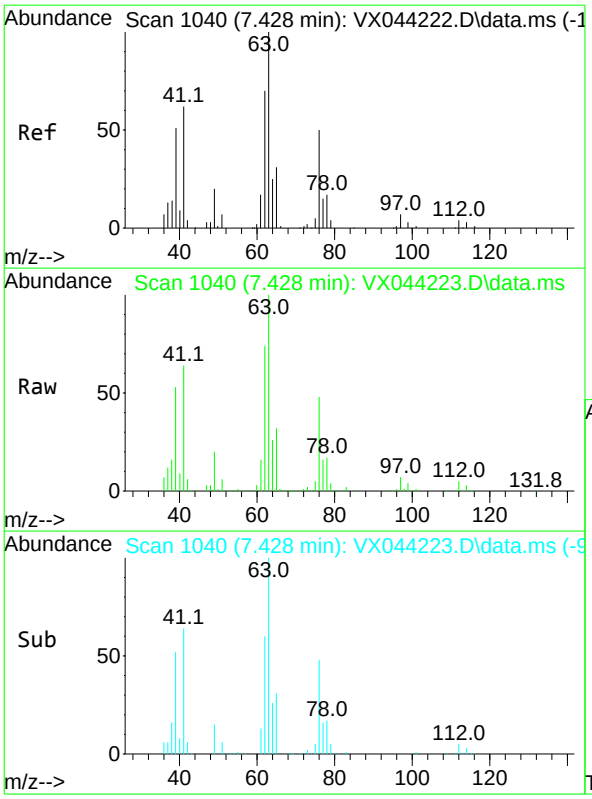


#44
Trichloroethene
Concen: 99.497 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:130 Resp: 158990

Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	201.4





#45
1,2-Dichloropropane
Concen: 98.293 ug/l
RT: 7.428 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 63 Resp: 160913

Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.6	37.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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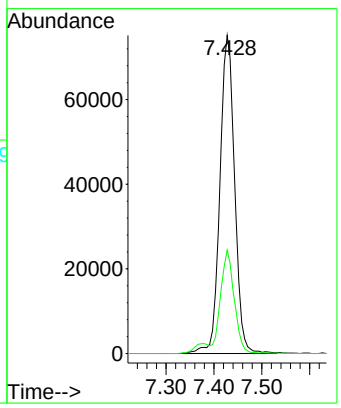
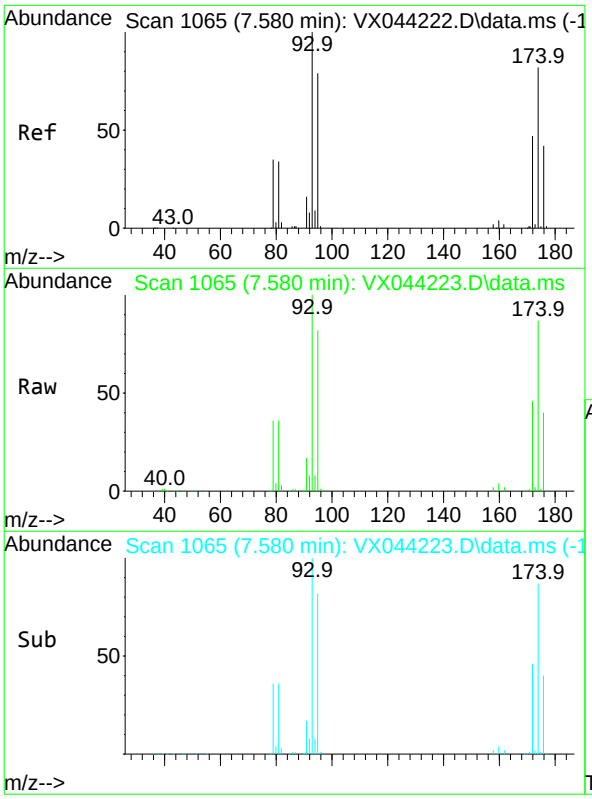
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

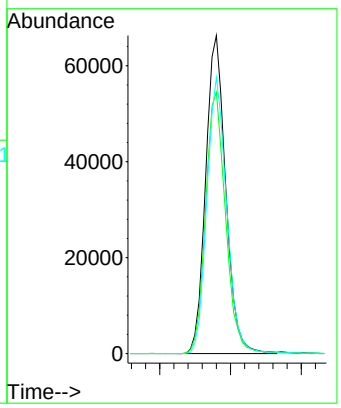


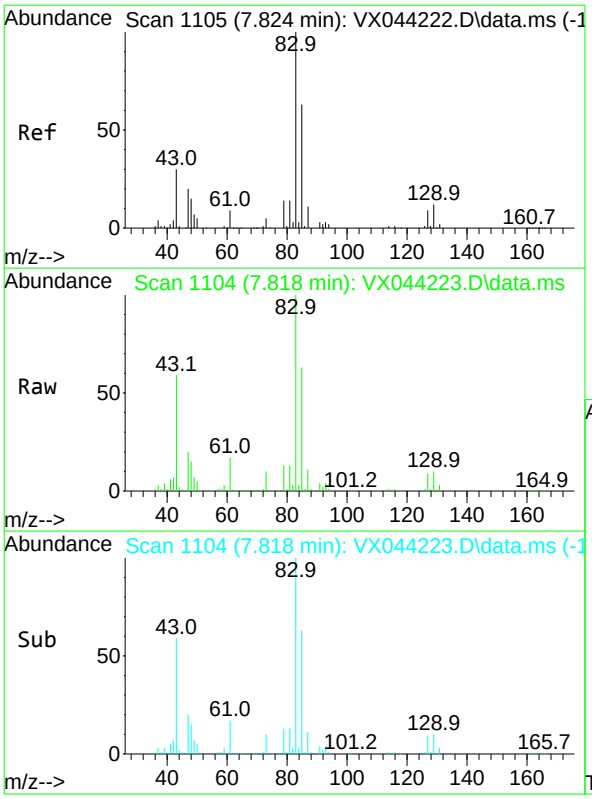


#46
Dibromomethane
Concen: 102.607 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 93 Resp: 130316

Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.4	98.2
174	86.1	67.9	101.9





#47
Bromodichloromethane
Concen: 111.423 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 83 Resp: 244401

Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	75.8
127	8.8	7.3	10.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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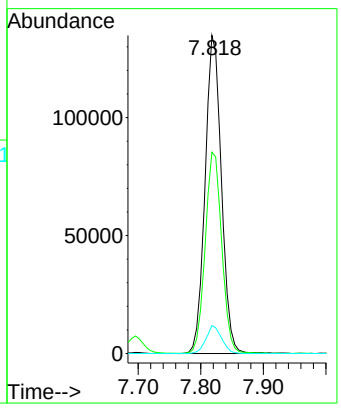
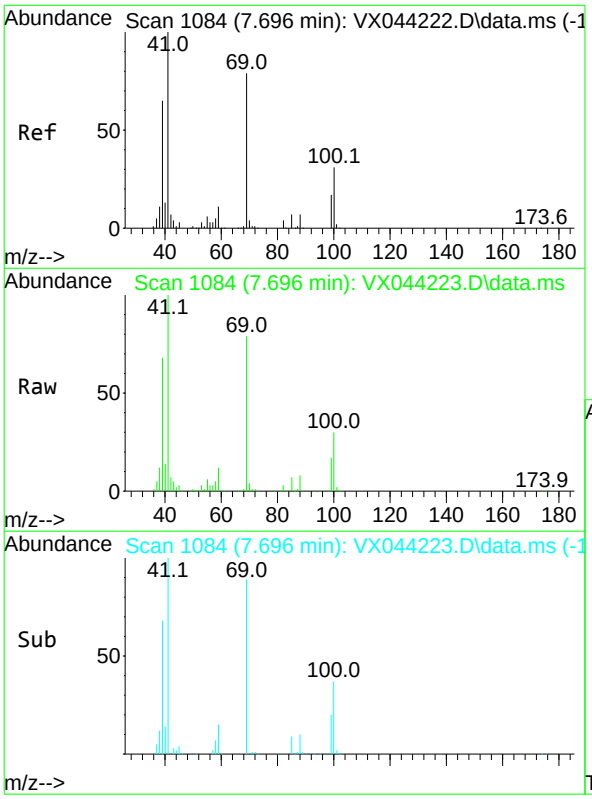
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

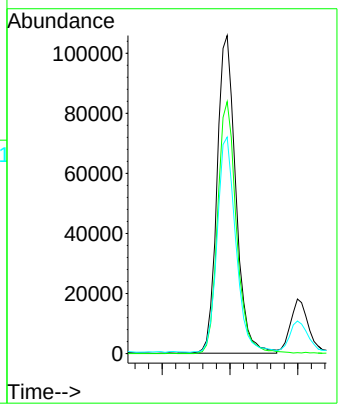


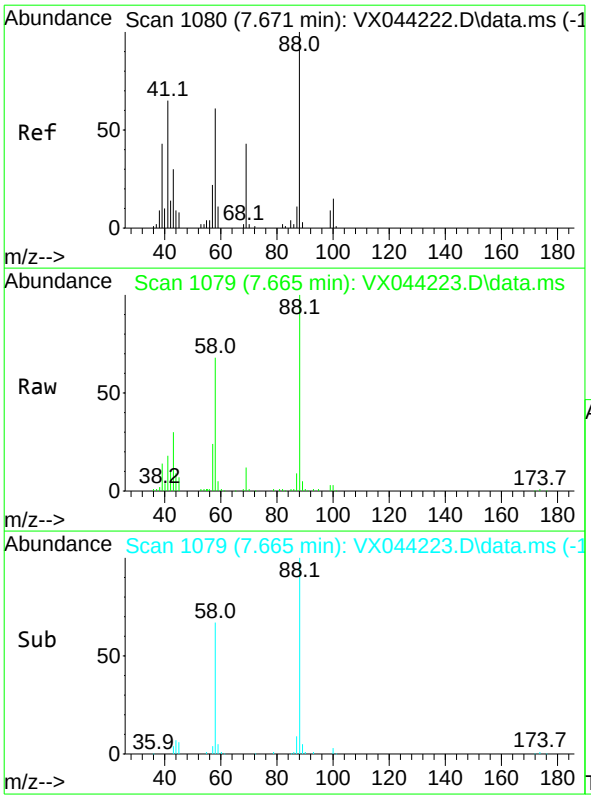


#48
Methyl methacrylate
Concen: 102.618 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 41 Resp: 203116

Ion	Ratio	Lower	Upper
41	100		
69	79.5	62.4	93.6
39	67.4	53.3	79.9





#49
1,4-Dioxane
Concen: 2170.871 ug/l m
RT: 7.665 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

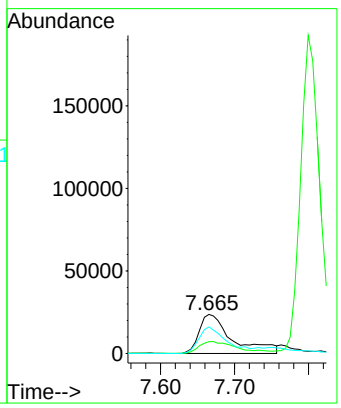
Tgt Ion: 88 Resp: 73434

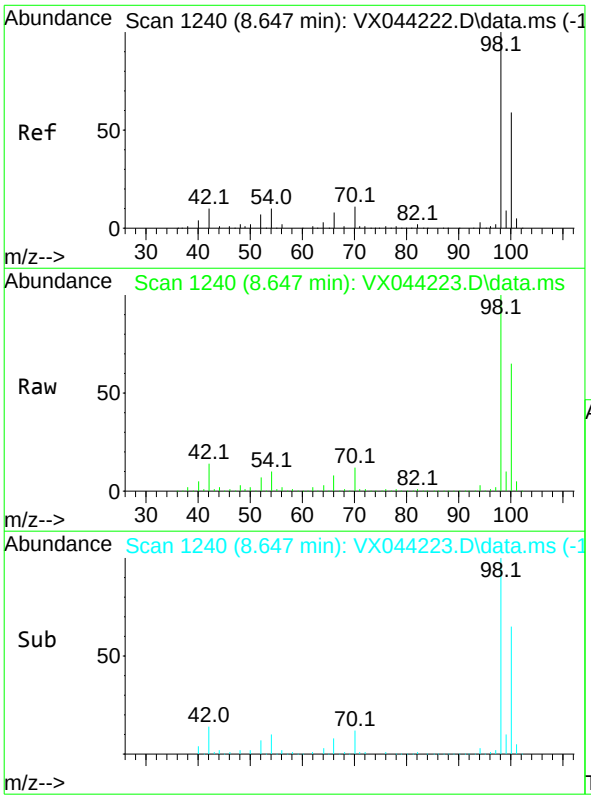
Ion	Ratio	Lower	Upper
88	100		
43	34.9	27.1	40.7
58	57.8	41.0	61.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

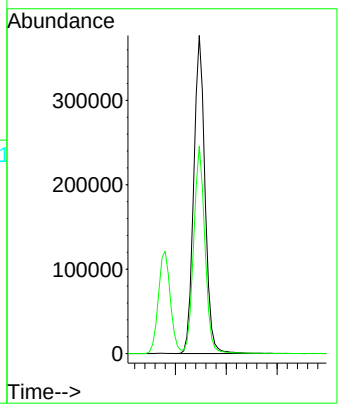


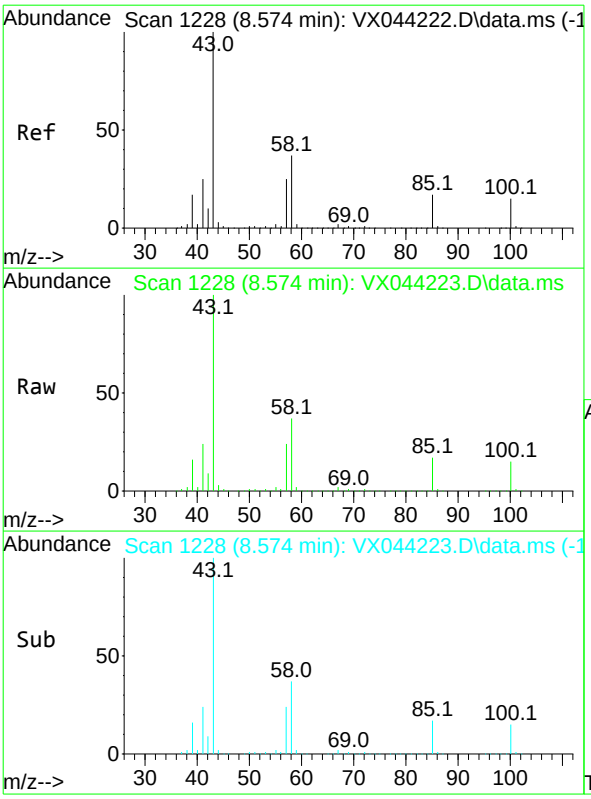


#50
Toluene-d8
Concen: 105.201 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 98 Resp: 579477

Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.5	77.3





#51
4-Methyl-2-Pentanone
Concen: 504.496 ug/l
RT: 8.574 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 1322678

Ion	Ratio	Lower	Upper
43	100		
58	37.0	29.4	44.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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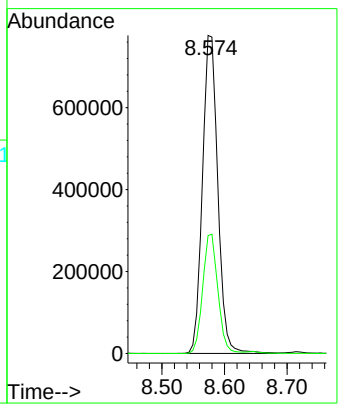
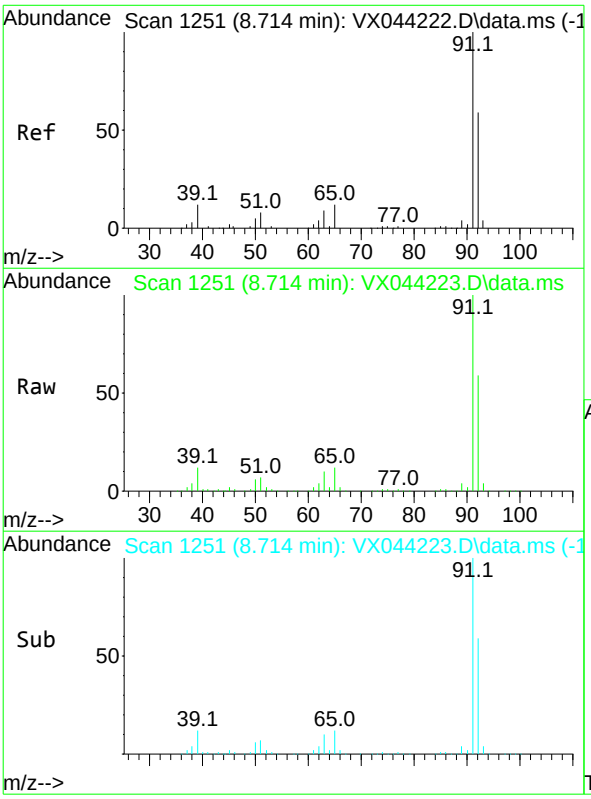
Supervised By :Mahesh Dadoda 12/12/2024

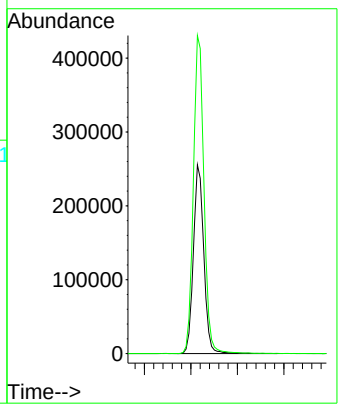


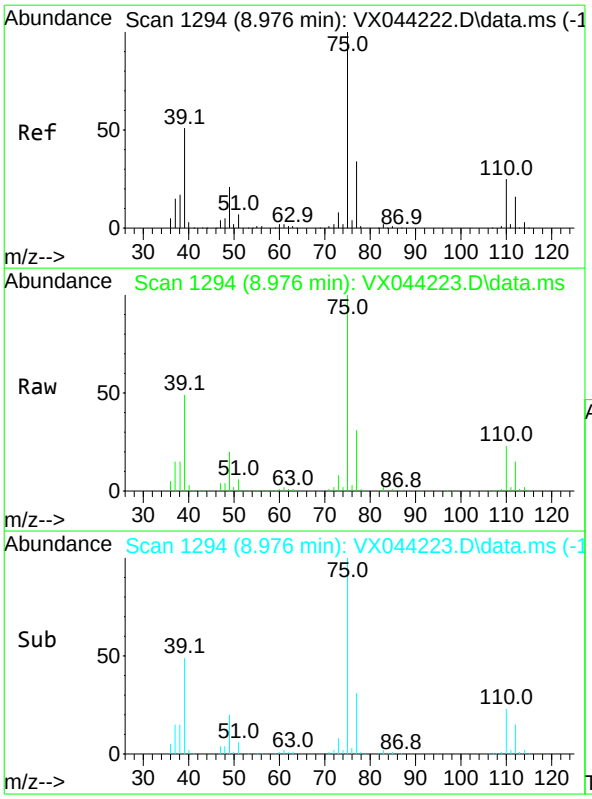


#52
Toluene
Concen: 98.506 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 92 Resp: 396383

Ion	Ratio	Lower	Upper
92	100		
91	171.4	137.0	205.6





#53
t-1,3-Dichloropropene
Concen: 99.321 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 75 Resp: 248092

Ion	Ratio	Lower	Upper
75	100		
77	31.2	27.2	40.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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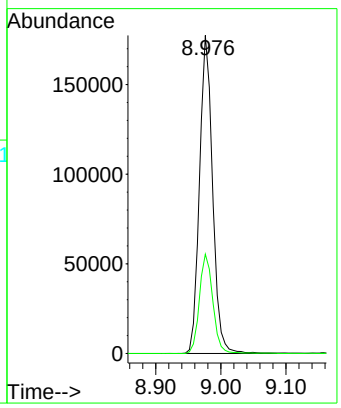
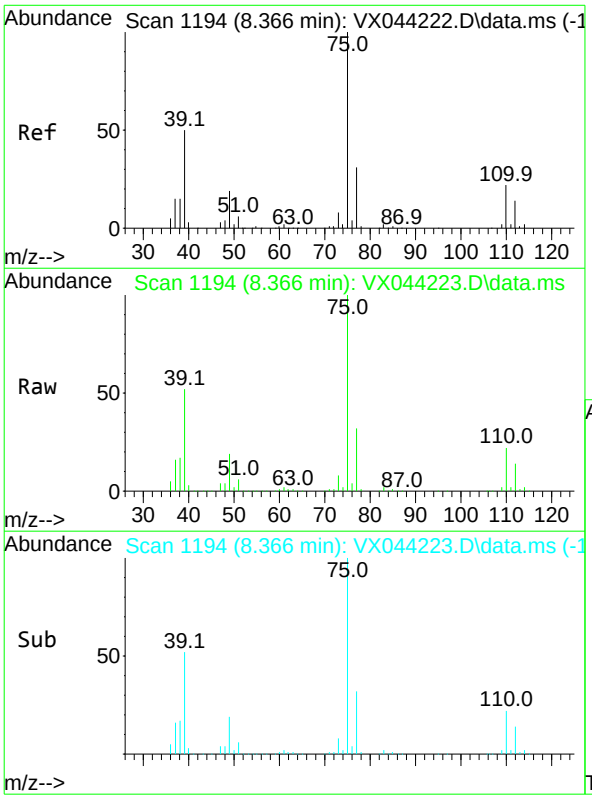
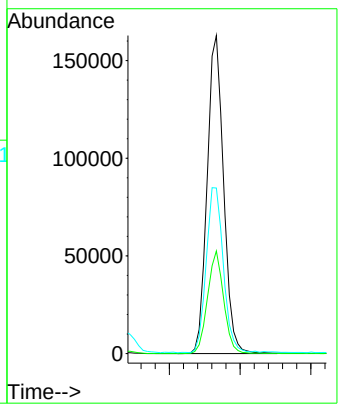


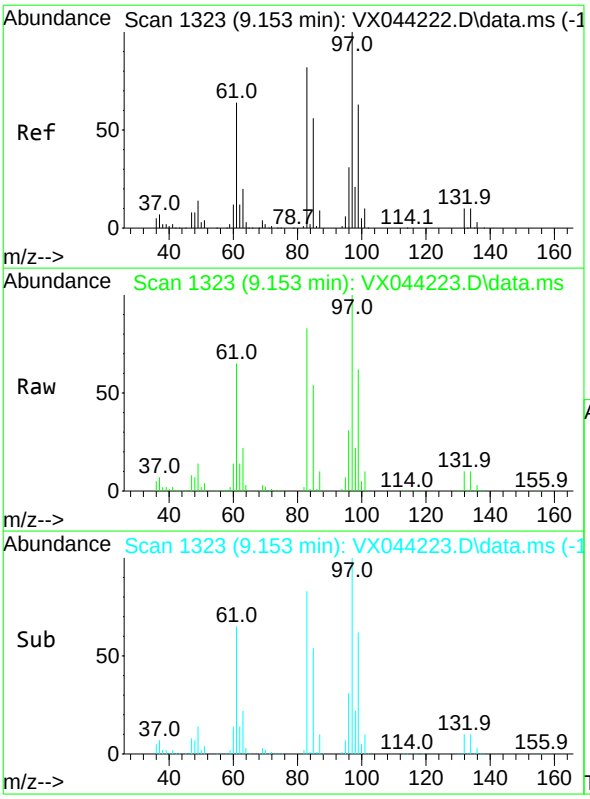


#54
cis-1,3-Dichloropropene
Concen: 110.127 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 75 Resp: 263014

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.7	37.1
39	51.8	40.3	60.5

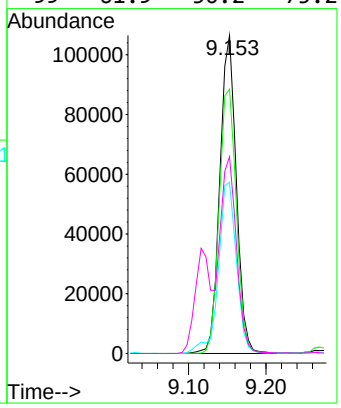




#55
1,1,2-Trichloroethane
Concen: 98.441 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 97 Resp: 157366

Ion	Ratio	Lower	Upper
97	100		
83	83.1	65.3	97.9
85	53.8	44.6	67.0
99	61.9	50.2	75.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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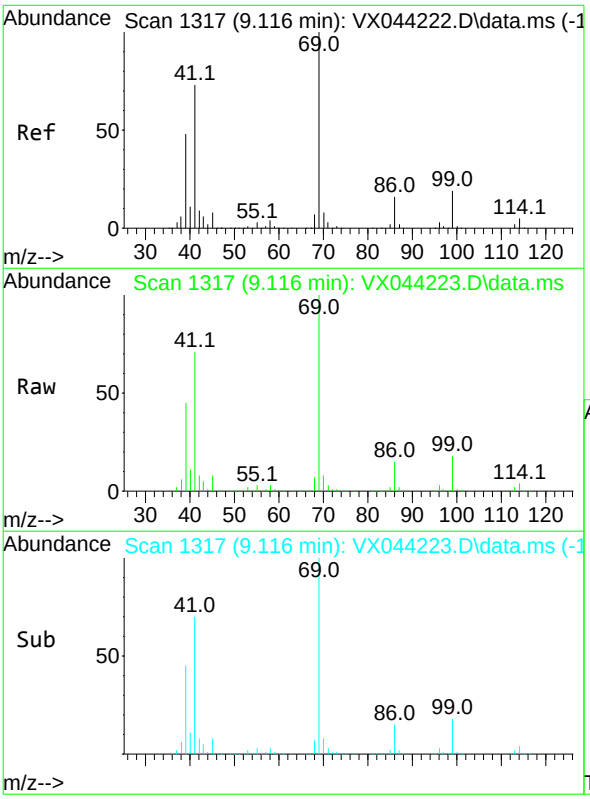
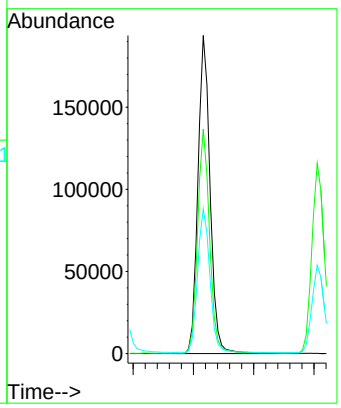
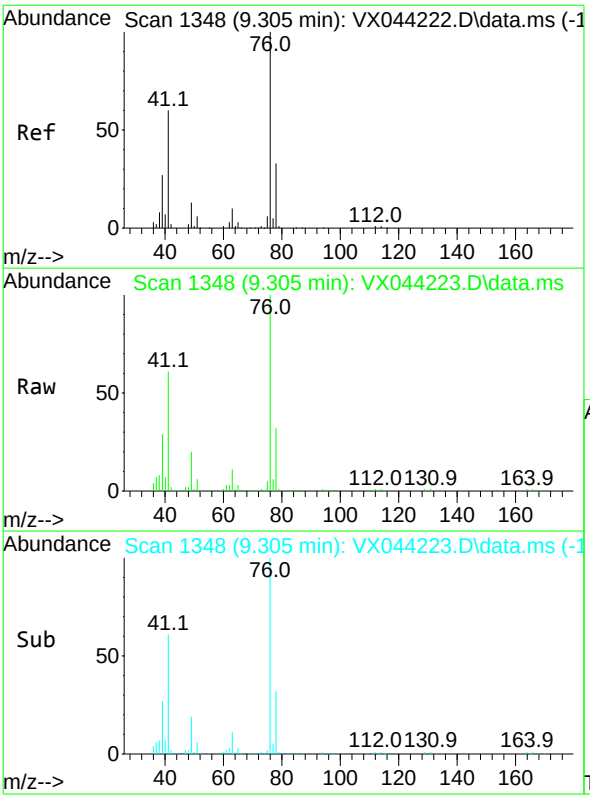


#56
Ethyl methacrylate
Concen: 107.442 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 69 Resp: 271146

Ion	Ratio	Lower	Upper
69	100		
41	69.4	56.6	85.0
39	46.1	37.4	56.0





#57
1,3-Dichloropropane
Concen: 98.704 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 76 Resp: 274642

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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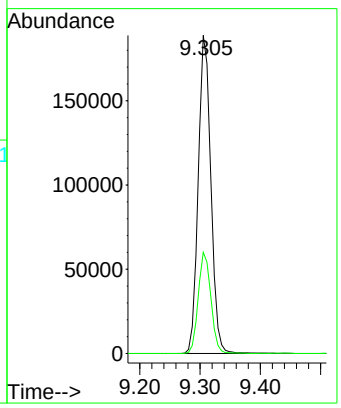
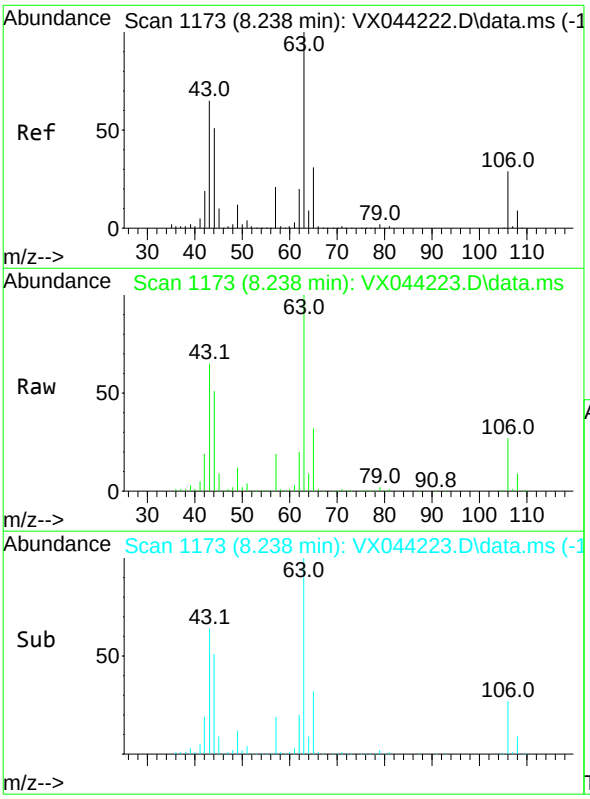
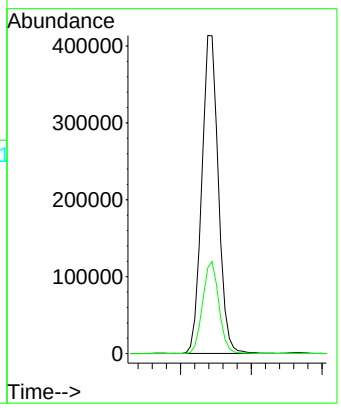


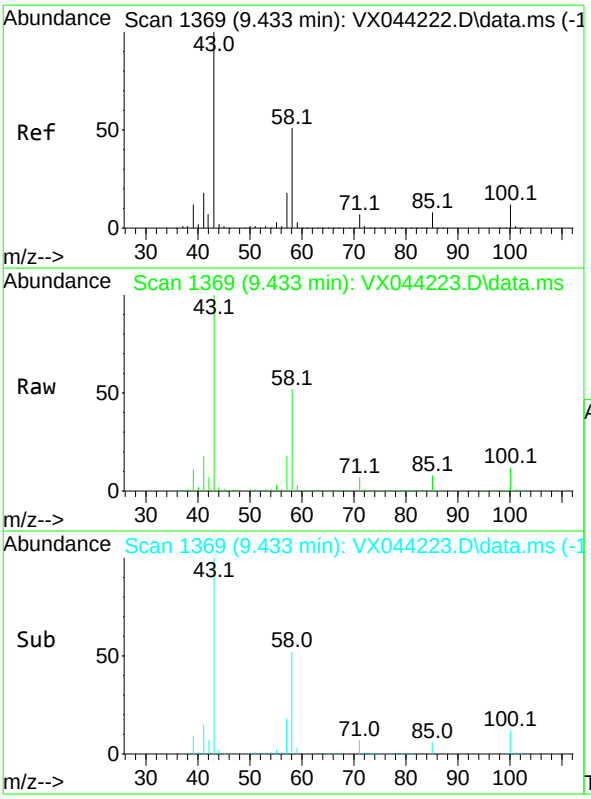


#58
2-Chloroethyl Vinyl ether
Concen: 527.342 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 63 Resp: 671233

Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.8	34.2





#59
2-Hexanone
Concen: 521.401 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 989466

Ion	Ratio	Lower	Upper
43	100		
58	51.9	25.7	77.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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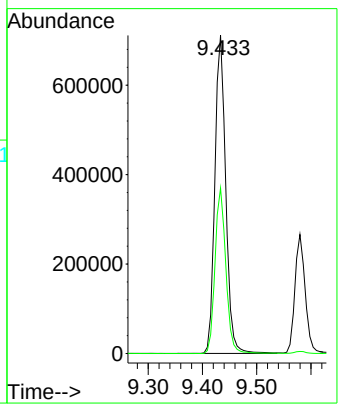
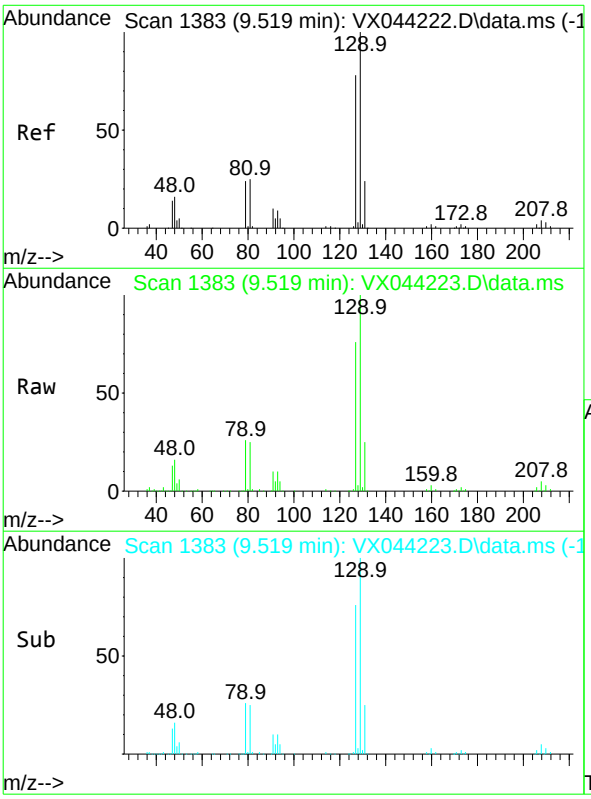
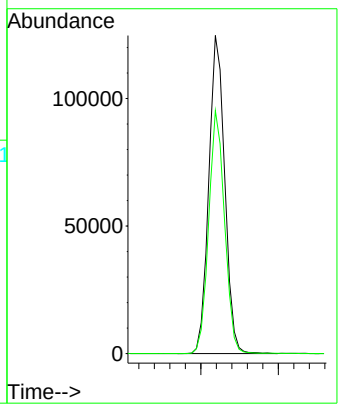


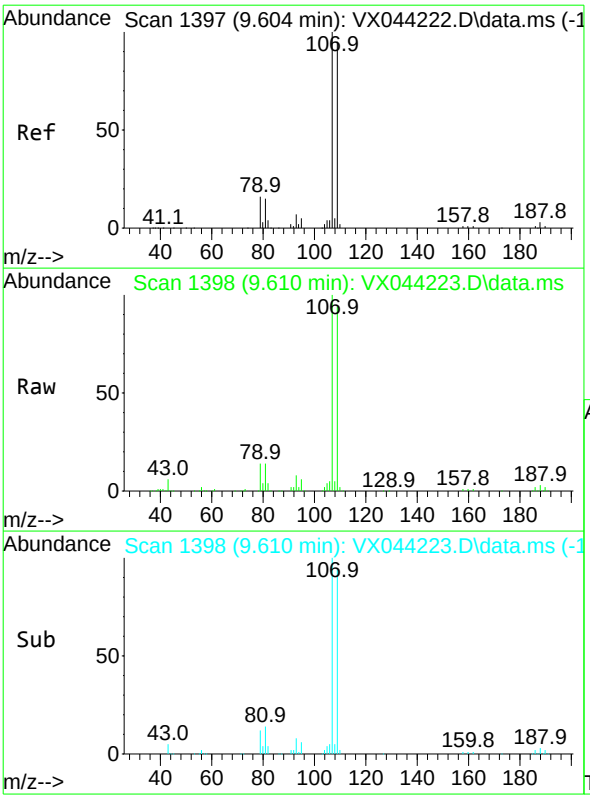


#60
Dibromochloromethane
Concen: 99.480 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:129 Resp: 178135

Ion	Ratio	Lower	Upper
129	100		
127	76.0	38.5	115.3





#61
1,2-Dibromoethane
Concen: 105.371 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:107 Resp: 171458

Ion	Ratio	Lower	Upper
107	100		
109	93.1	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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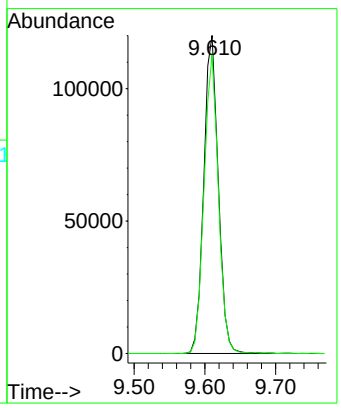
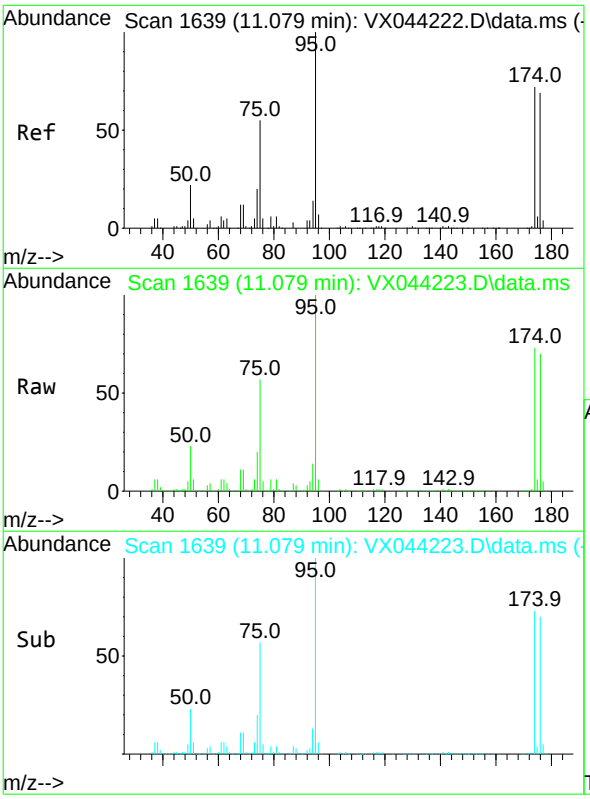
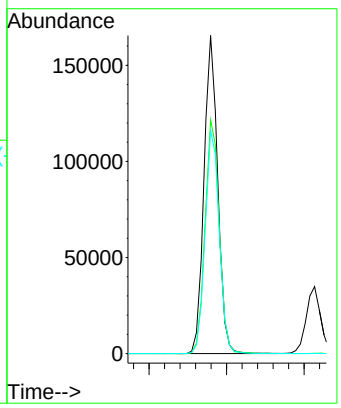


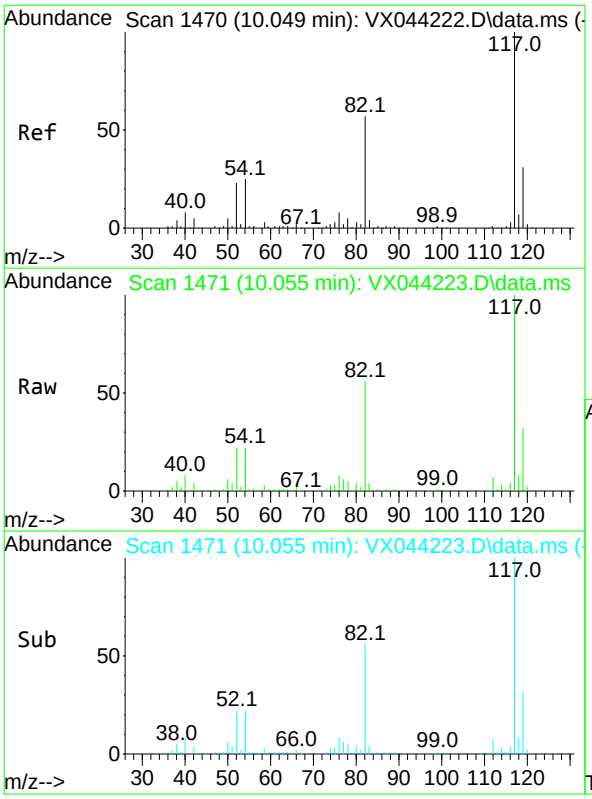


#62
4-Bromofluorobenzene
Concen: 105.830 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 95 Resp: 203694

Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	145.8
176	72.0	0.0	137.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:117 Resp: 209164

Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.8	68.8
119	32.4	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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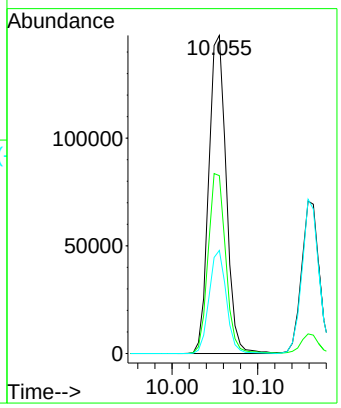
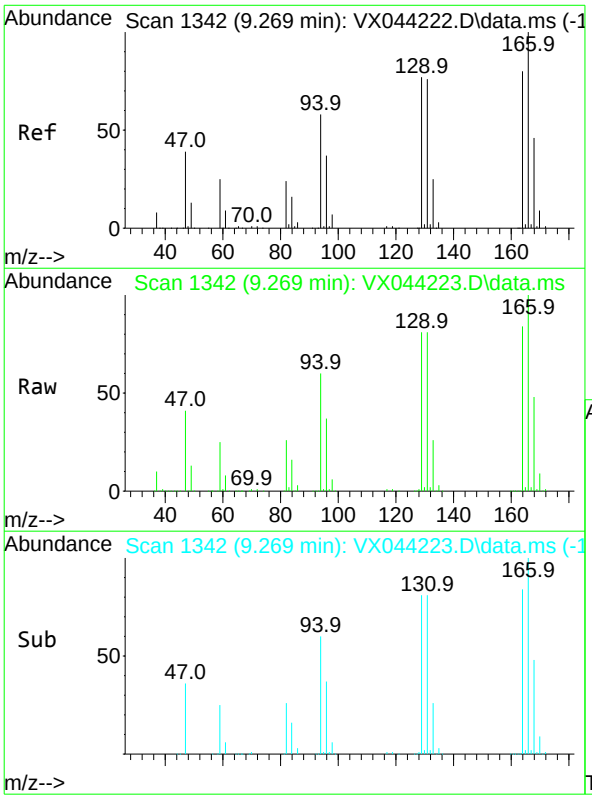
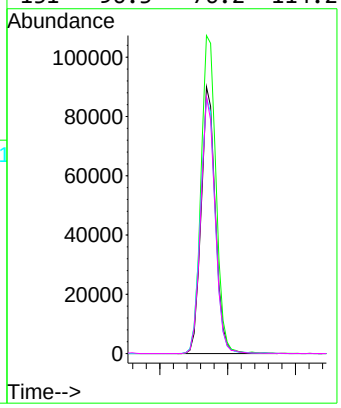


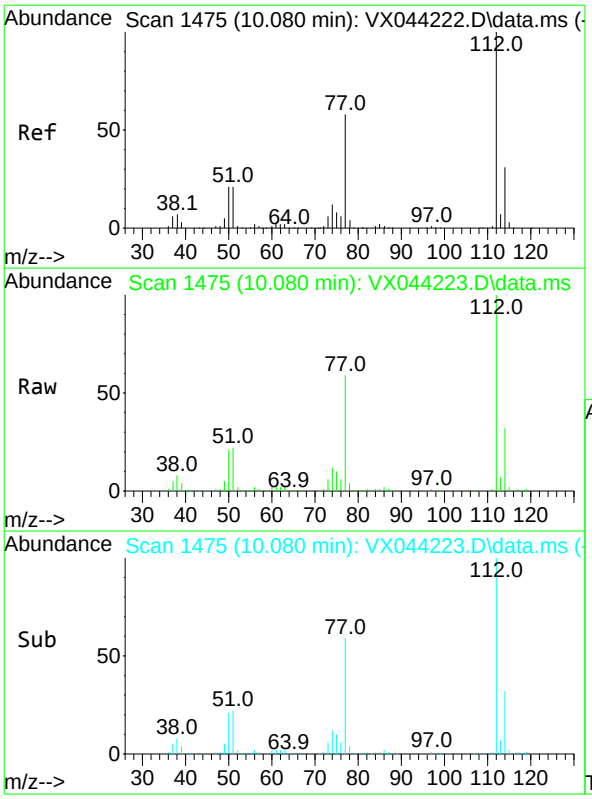


#64
Tetrachloroethene
Concen: 94.131 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:164 Resp: 130678

Ion	Ratio	Lower	Upper
164	100		
166	119.2	100.4	150.6
129	96.1	77.2	115.8
131	96.3	76.2	114.2





#65
Chlorobenzene
Concen: 96.650 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:112 Resp: 433179

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 12/12/2024
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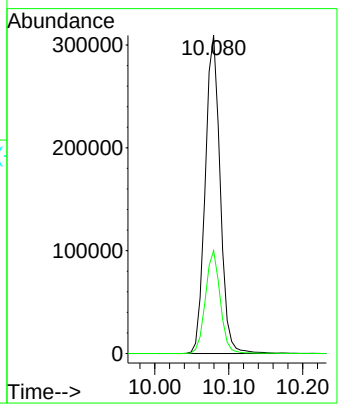
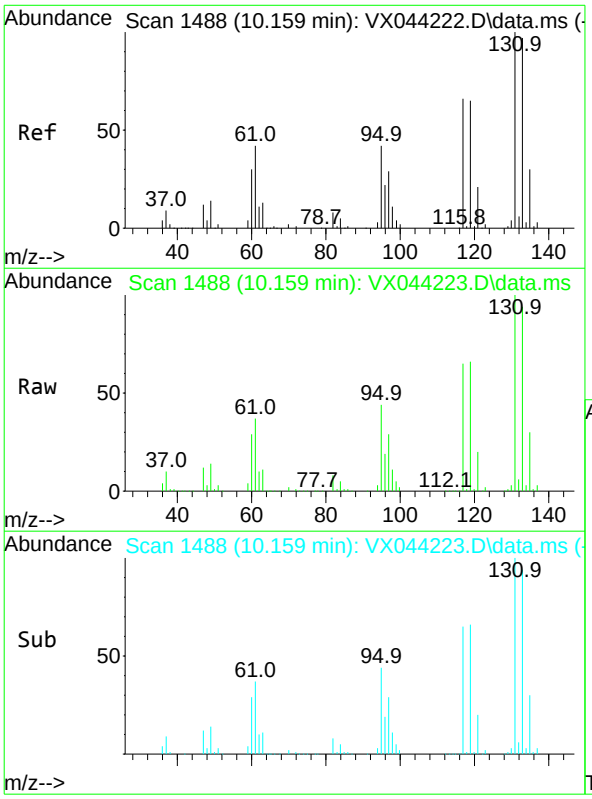
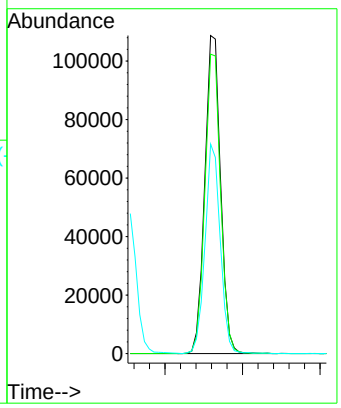


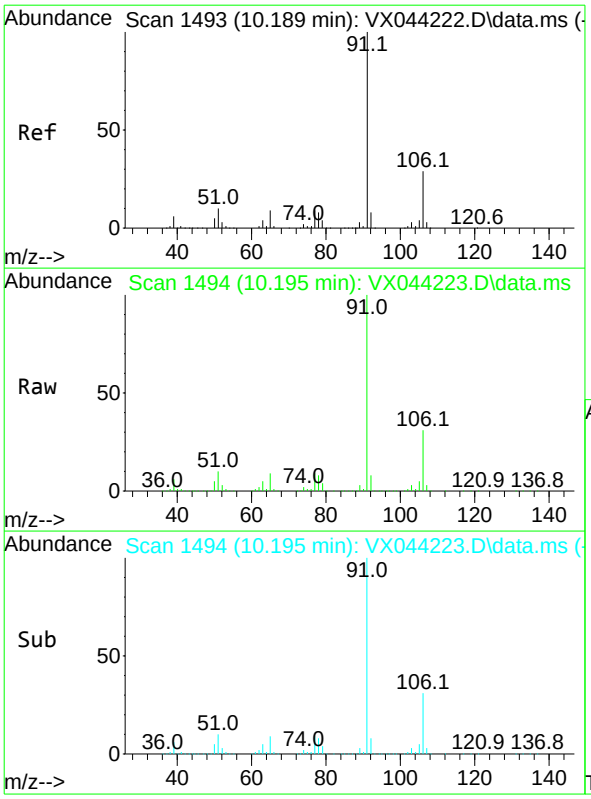


#66
1,1,1,2-Tetrachloroethane
Concen: 106.831 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:131 Resp: 153882

Ion	Ratio	Lower	Upper
131	100		
133	93.6	47.3	141.8
119	63.5	31.6	95.0





#67
Ethyl Benzene
Concen: 98.906 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 91 Resp: 765930

Ion	Ratio	Lower	Upper
91	100		
106	31.0	23.5	35.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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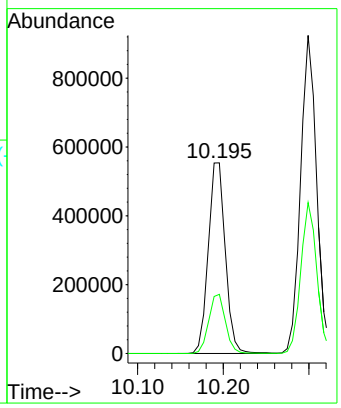
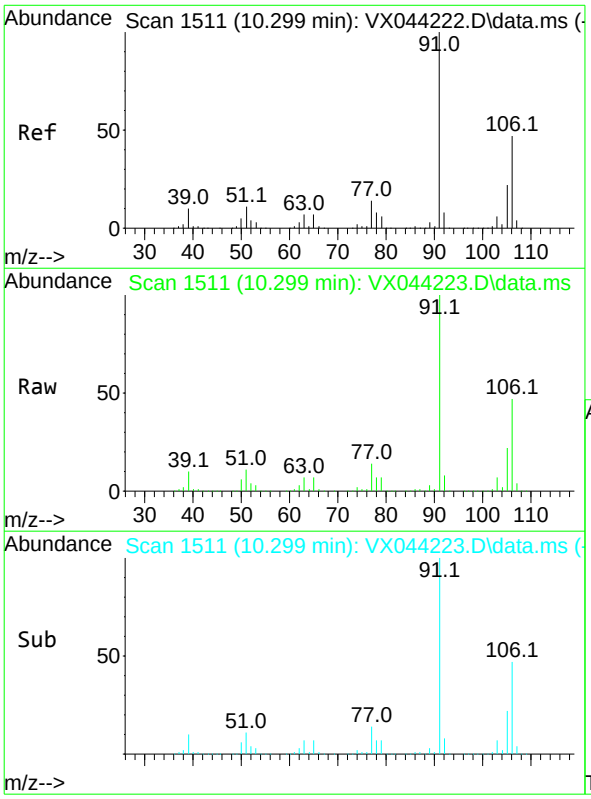
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

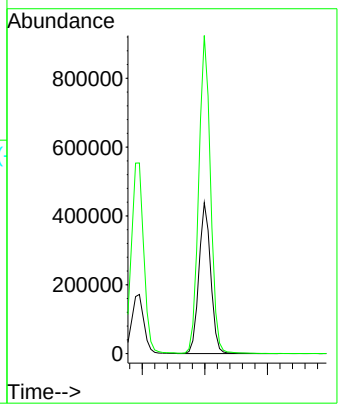


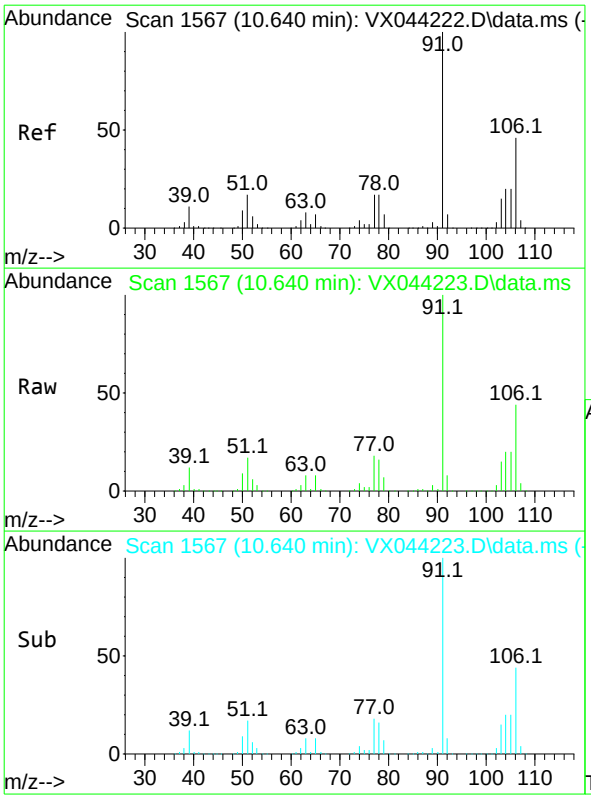


#68
m/p-Xylenes
Concen: 201.171 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:106 Resp: 571648

Ion	Ratio	Lower	Upper
106	100		
91	211.0	170.2	255.2





#69
o-Xylene
Concen: 97.597 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

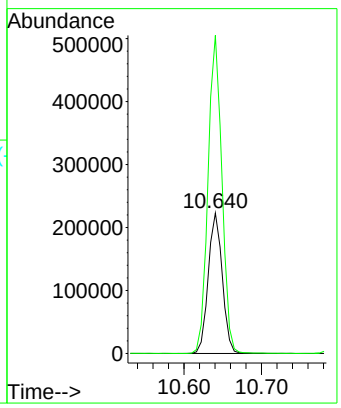
Tgt Ion:106 Resp: 280603

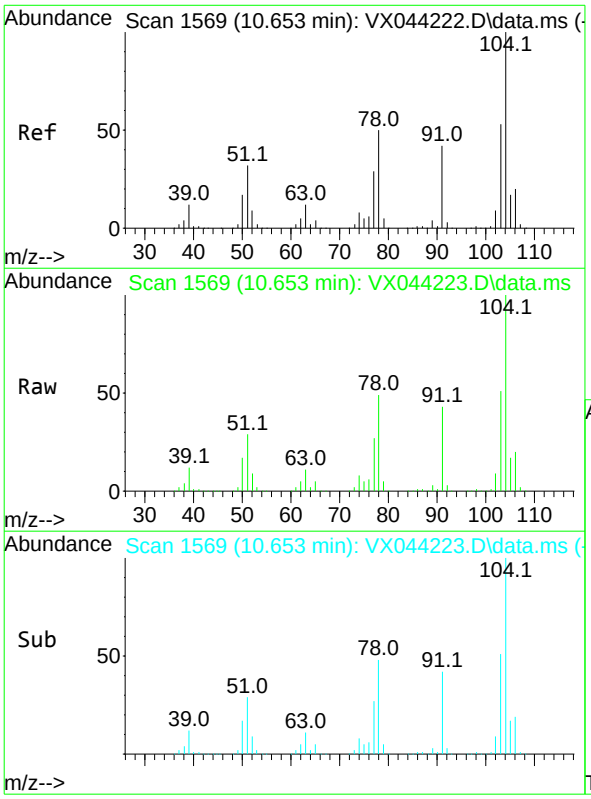
Ion	Ratio	Lower	Upper
106	100		
91	223.9	112.3	337.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

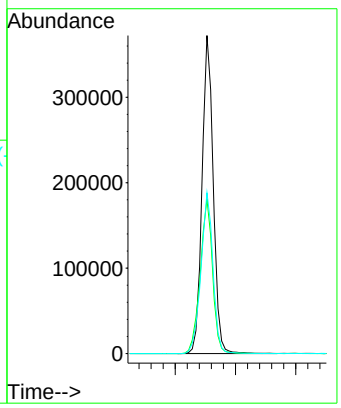


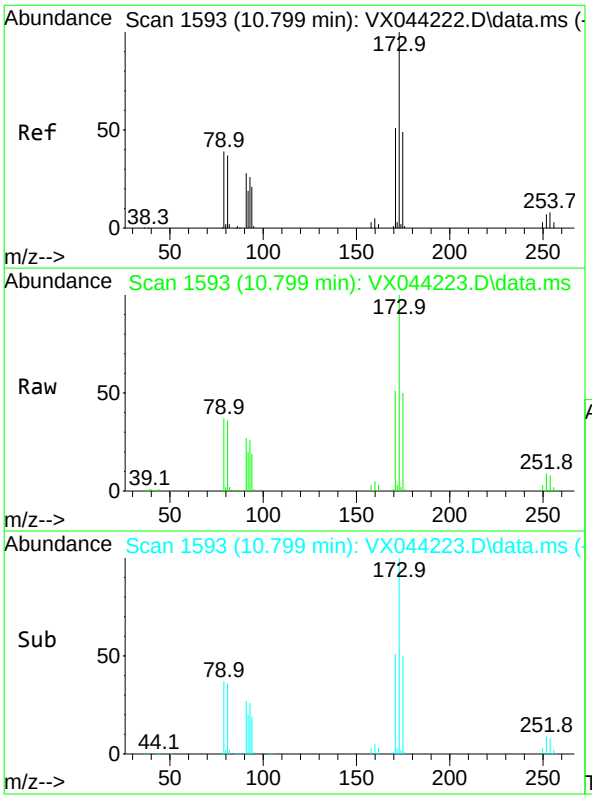


#70
Styrene
Concen: 104.159 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:104 Resp: 480077

Ion	Ratio	Lower	Upper
104	100		
78	53.5	44.6	67.0
103	54.5	45.4	68.0





#71
Bromoform
Concen: 99.723 ug/l
RT: 10.799 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 112482

Ion	Ratio	Lower	Upper
173	100		
175	49.2	23.8	71.4
254	0.1	0.0	0.0#

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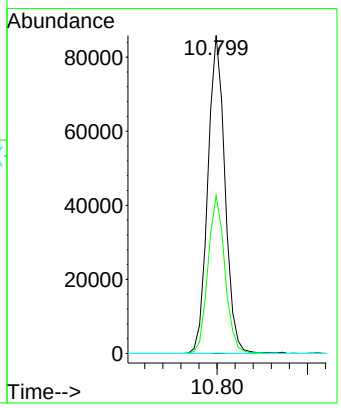
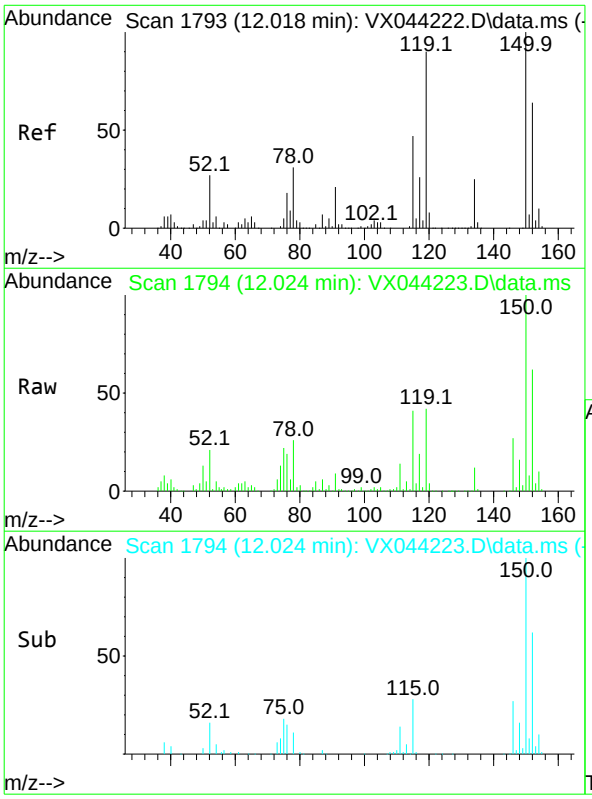
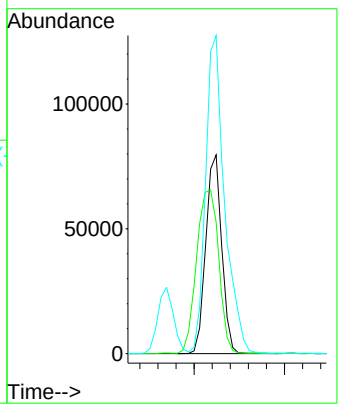


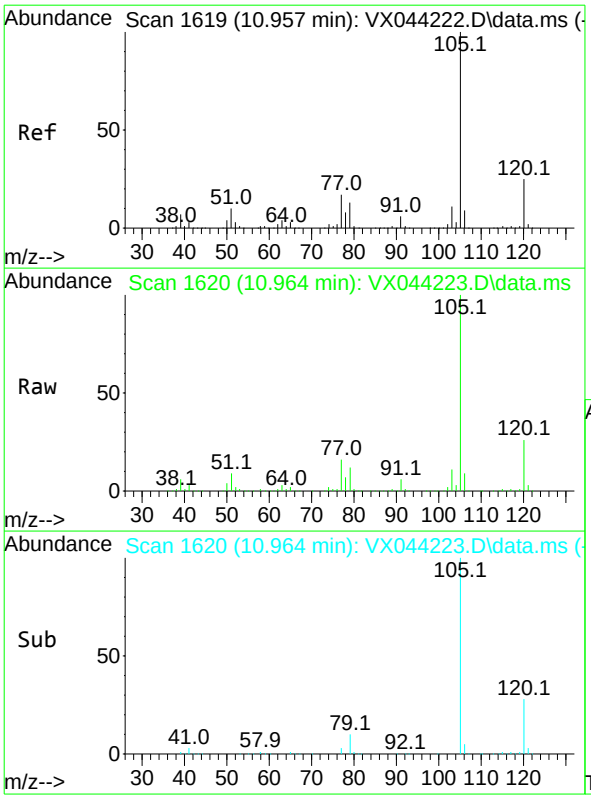


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:152 Resp: 97670

Ion	Ratio	Lower	Upper
152	100		
115	114.3	44.5	133.3
150	190.6	0.0	353.8





#73
Isopropylbenzene
Concen: 97.894 ug/l
RT: 10.964 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:105 Resp: 731955

Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.1	39.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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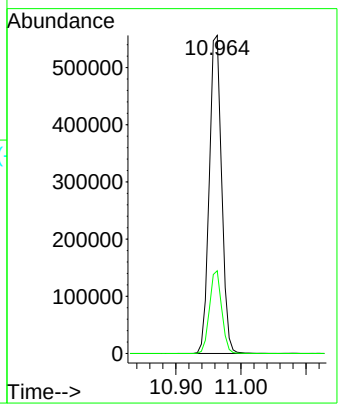
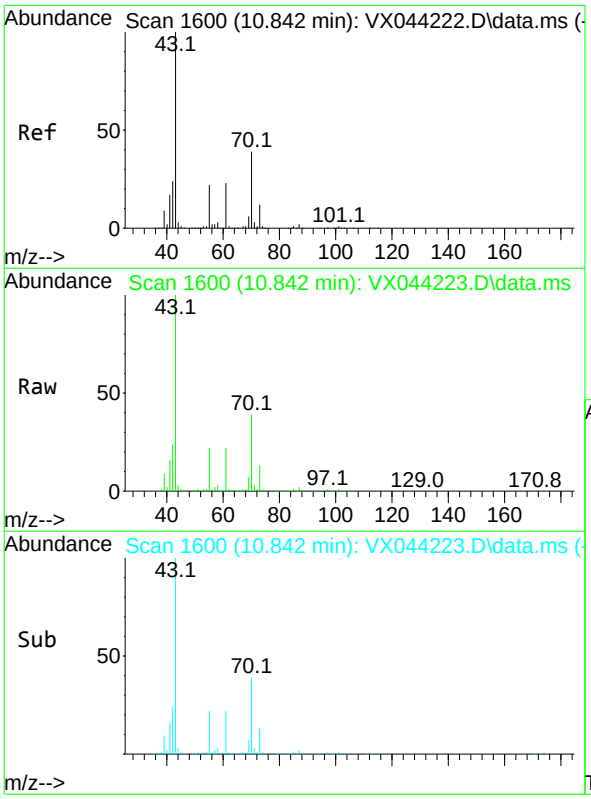
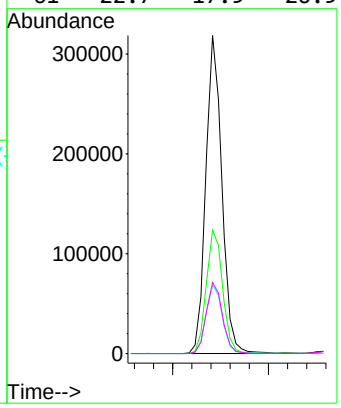


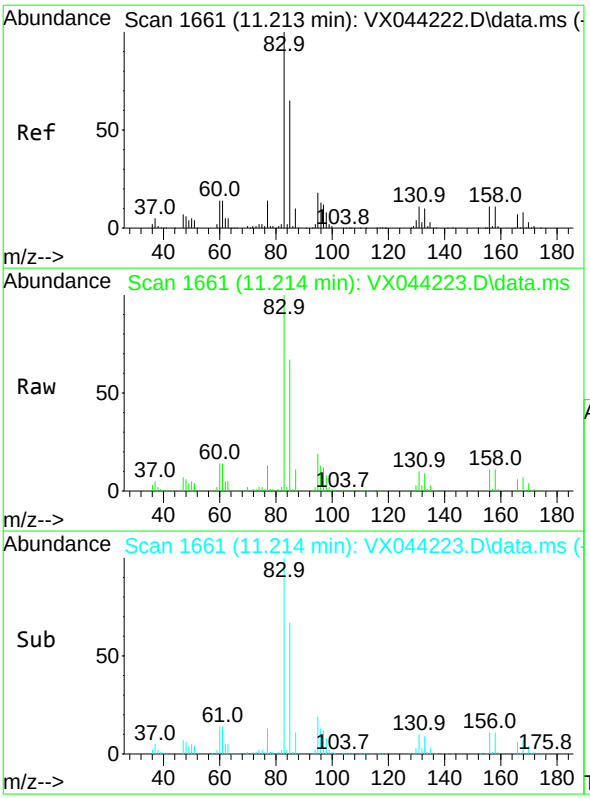


#74
N-amyl acetate
Concen: 107.485 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 371420

Ion	Ratio	Lower	Upper
43	100		
70	39.7	31.9	47.9
55	22.2	17.9	26.9
61	22.7	17.9	26.9





#75
1,1,2,2-Tetrachloroethane
Concen: 94.491 ug/l
RT: 11.214 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 83 Resp: 245395

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.1	15.4
85	65.4	32.5	97.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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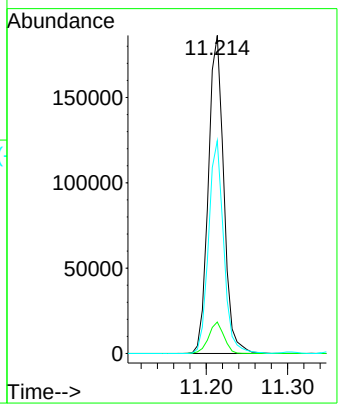
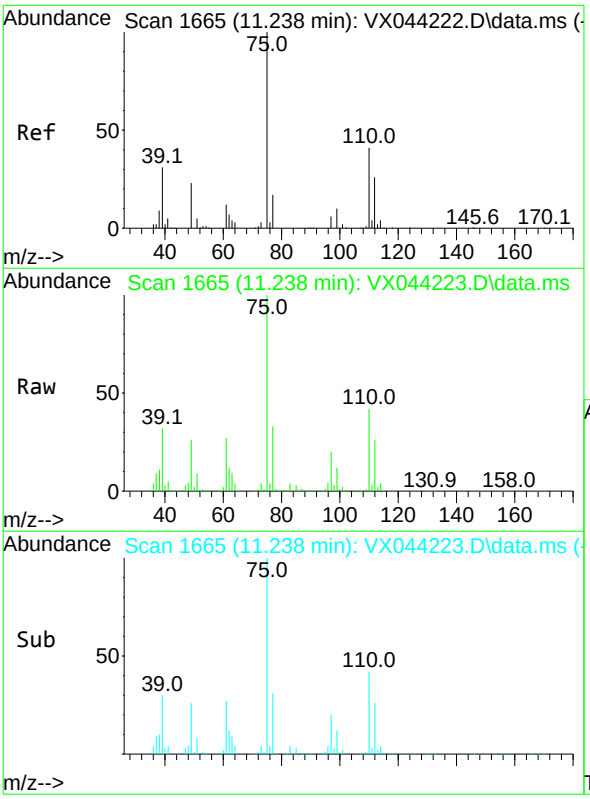
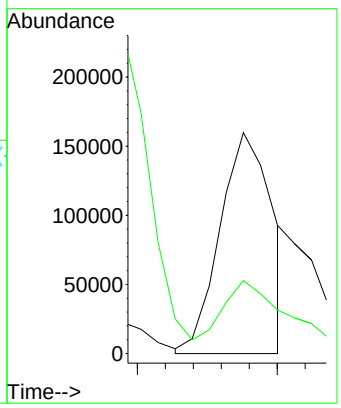


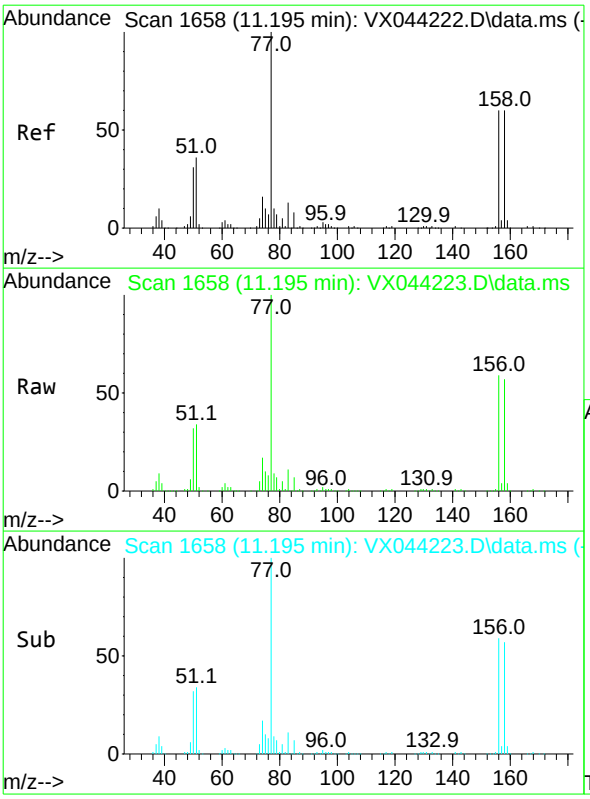


#76
1,2,3-Trichloropropane
Concen: 93.302 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 75 Resp: 206786

Ion	Ratio	Lower	Upper
75	100		
77	43.4	20.9	62.7





#77
Bromobenzene
Concen: 96.874 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:156 Resp: 175647

Ion	Ratio	Lower	Upper
156	100		
77	162.7	82.6	247.8
158	96.2	48.8	146.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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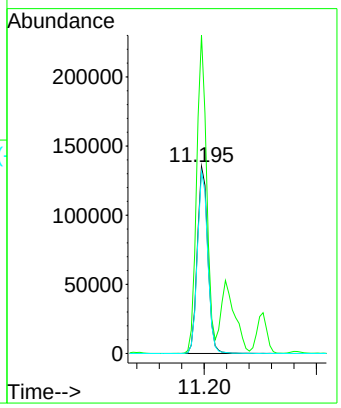
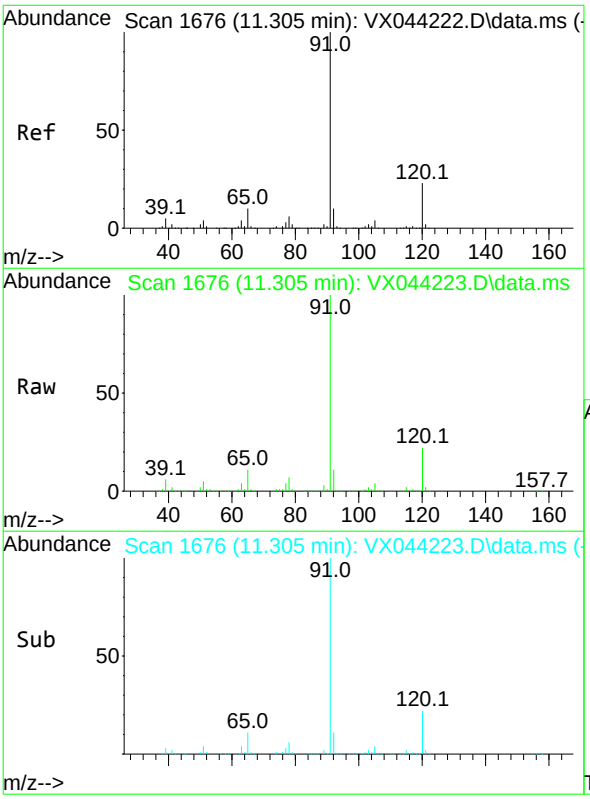
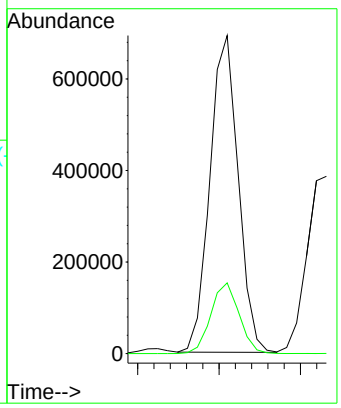


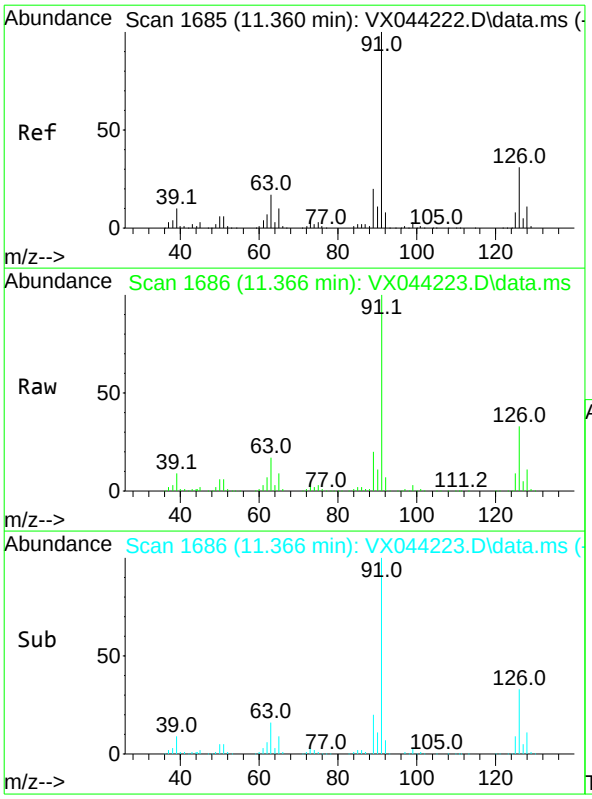


#78
n-propylbenzene
Concen: 101.242 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 91 Resp: 836676

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.0	33.0





#79
2-Chlorotoluene
Concen: 94.377 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 91 Resp: 504407

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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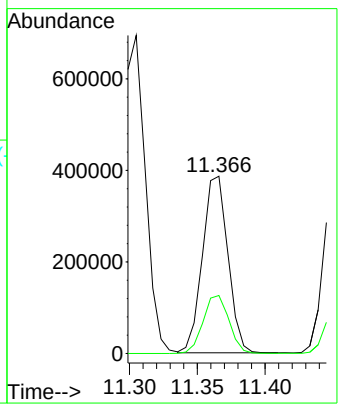
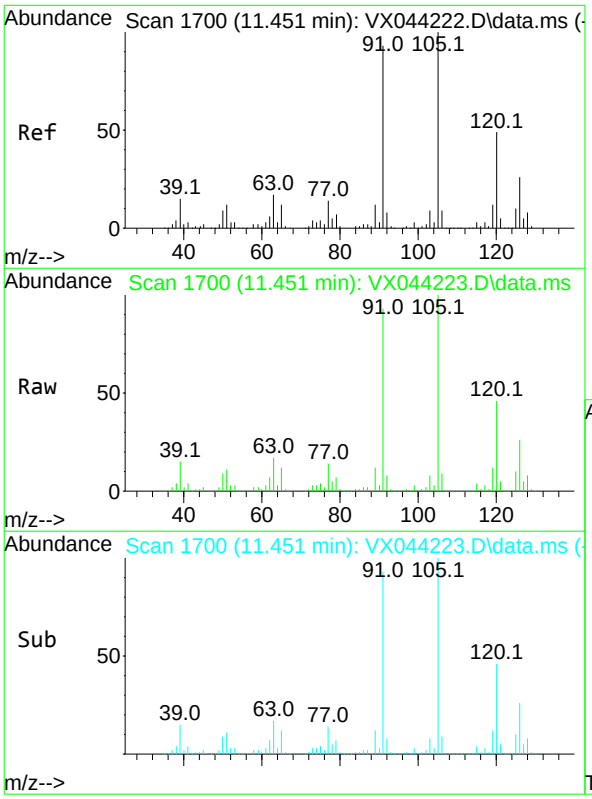
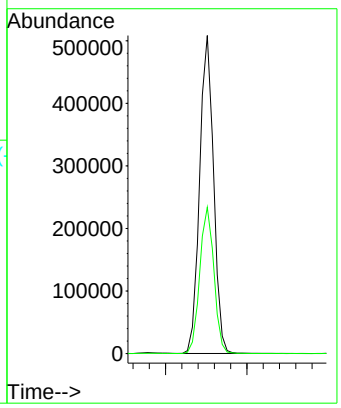


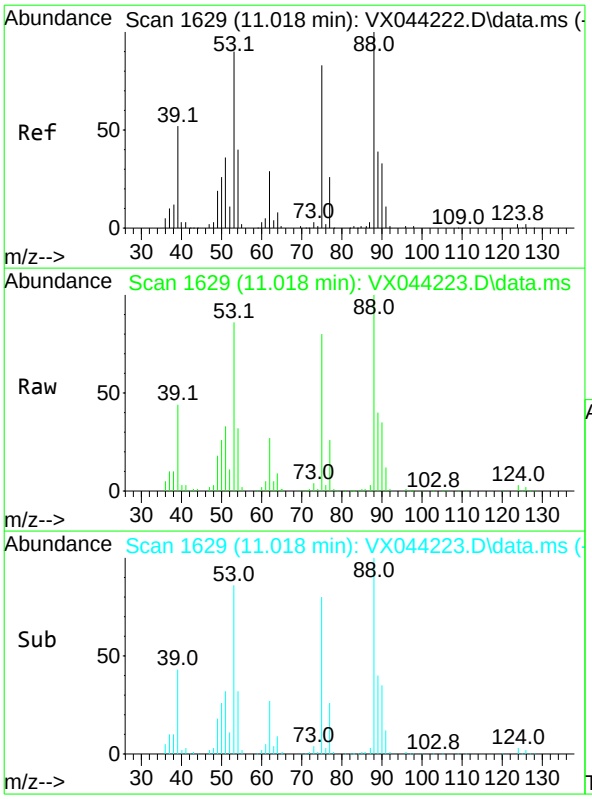


#80
1,3,5-Trimethylbenzene
Concen: 97.570 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:105 Resp: 604993

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.8	71.4





#81
trans-1,4-Dichloro-2-butene
Concen: 97.165 ug/l
RT: 11.018 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 75 Resp: 78453

Ion	Ratio	Lower	Upper
75	100		
53	107.9	93.6	140.4
89	47.8	37.3	55.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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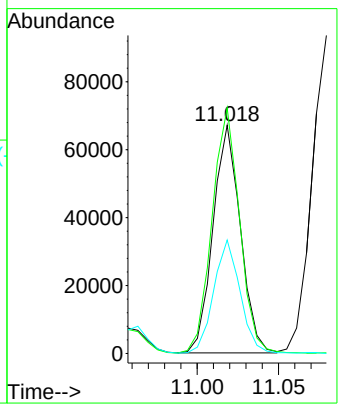
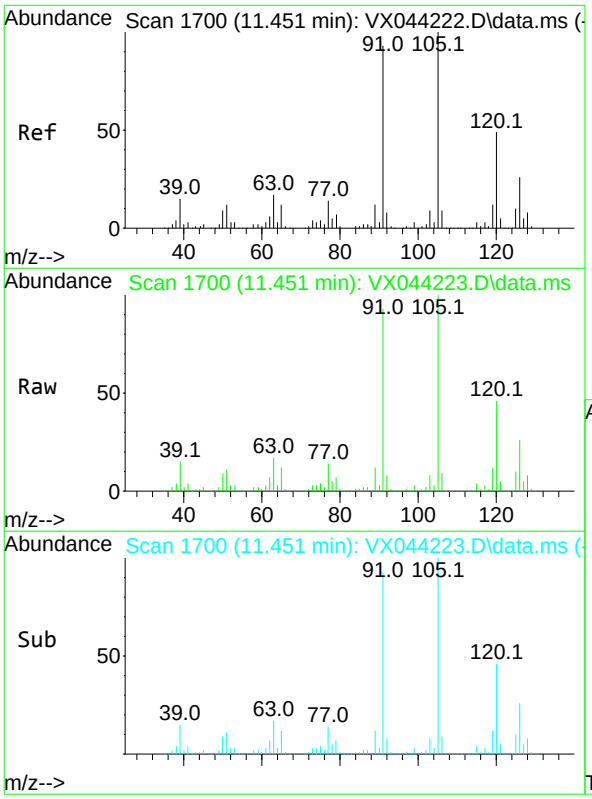
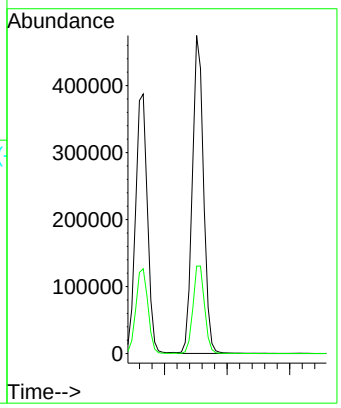


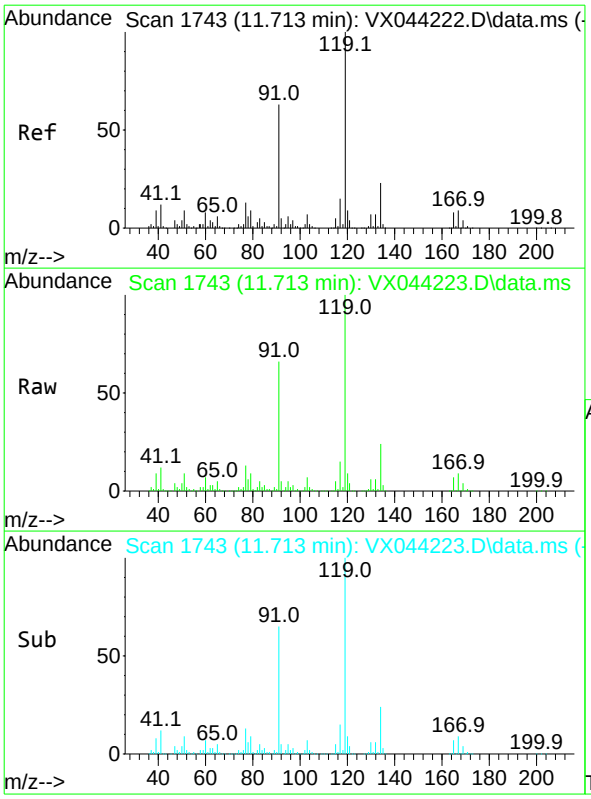


#82
4-Chlorotoluene
Concen: 99.384 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 91 Resp: 588197

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.5	43.5





#83
tert-Butylbenzene
Concen: 99.013 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:119 Resp: 606738

Ion	Ratio	Lower	Upper
119	100		
91	61.5	30.9	92.5
134	22.8	11.5	34.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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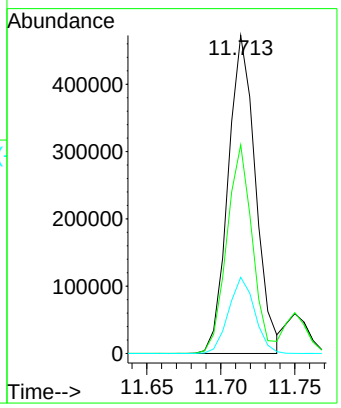
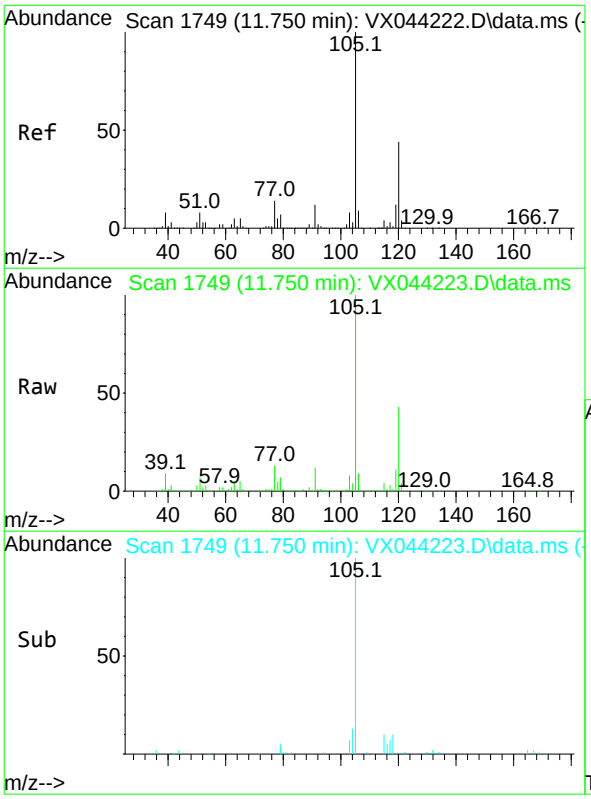
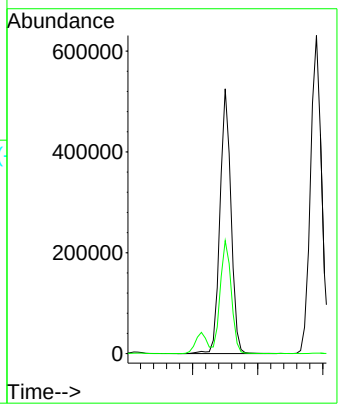


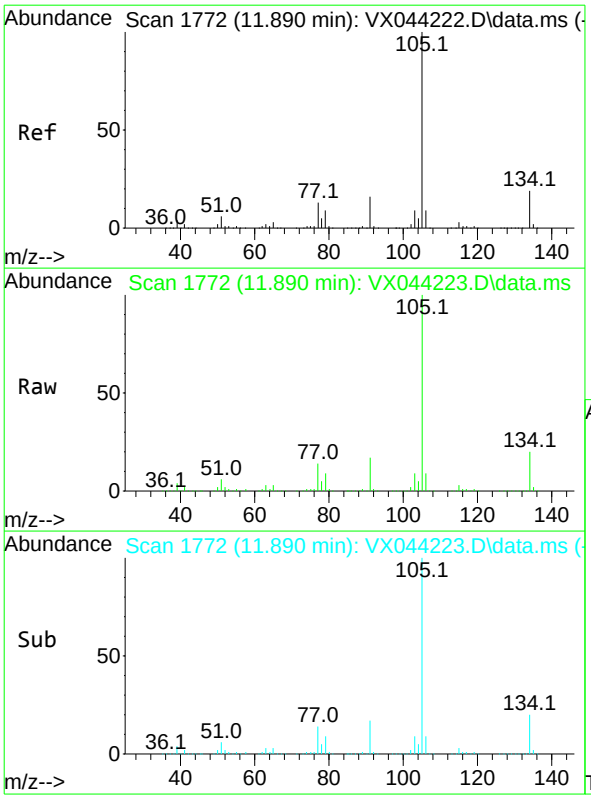


#84
1,2,4-Trimethylbenzene
Concen: 100.994 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:105 Resp: 614999

Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.7	65.1





#85
sec-Butylbenzene
Concen: 99.889 ug/l
RT: 11.890 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:105 Resp: 743098

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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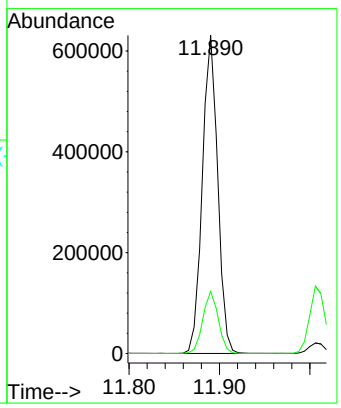
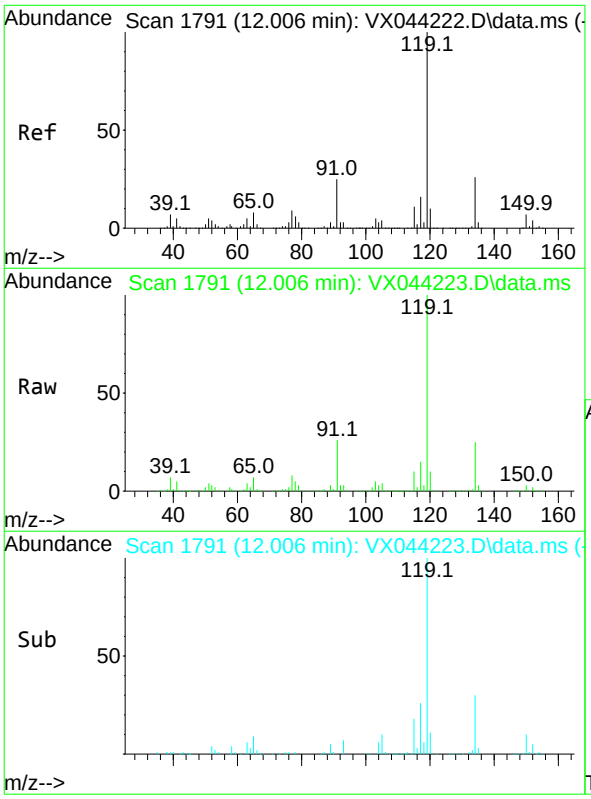
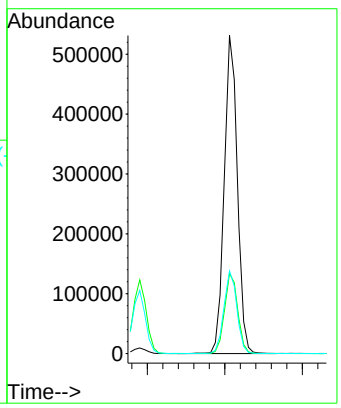


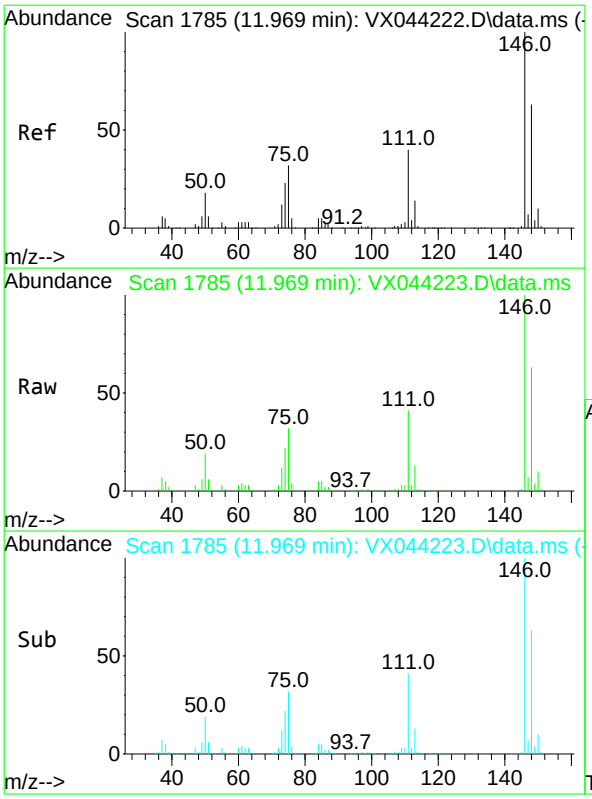


#86
p-Isopropyltoluene
Concen: 100.847 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:119 Resp: 624416

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.8	38.4
91	25.6	13.0	39.0





#87
1,3-Dichlorobenzene
Concen: 100.210 ug/l
RT: 11.969 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:146 Resp: 317377

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.4	64.2
148	64.1	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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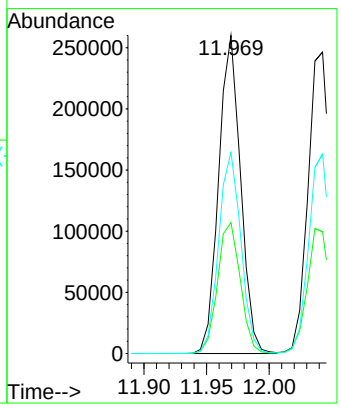
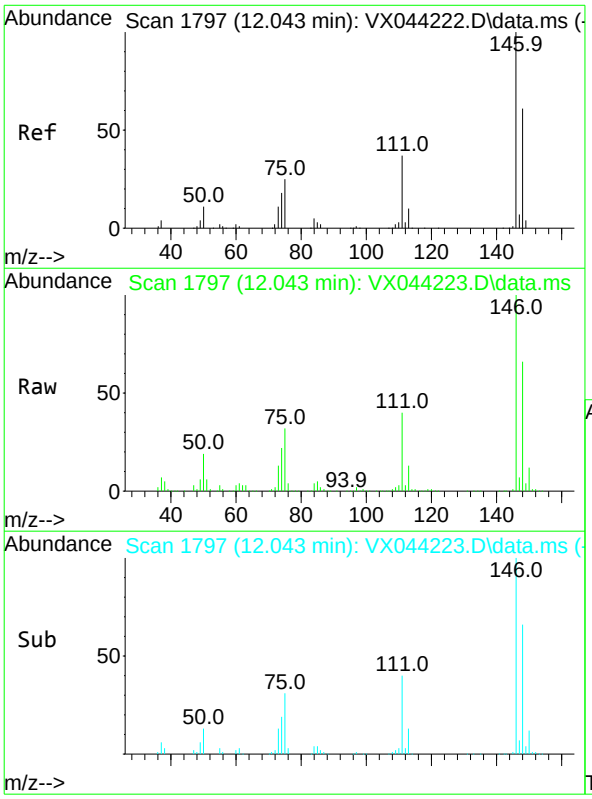
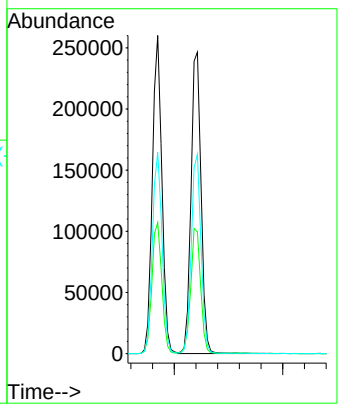


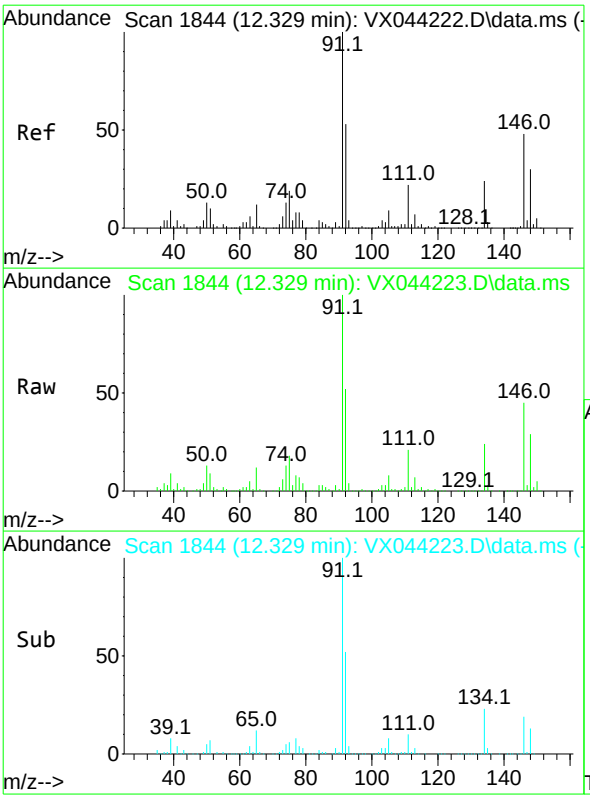


#88
1,4-Dichlorobenzene
Concen: 97.271 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:146 Resp: 316688

Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.0	63.0
148	63.7	32.3	96.8





#89
n-Butylbenzene
Concen: 108.385 ug/l
RT: 12.329 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

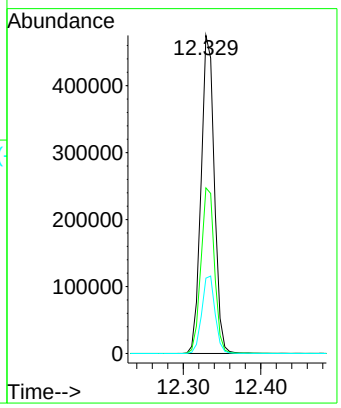
Tgt Ion: 91 Resp: 564303

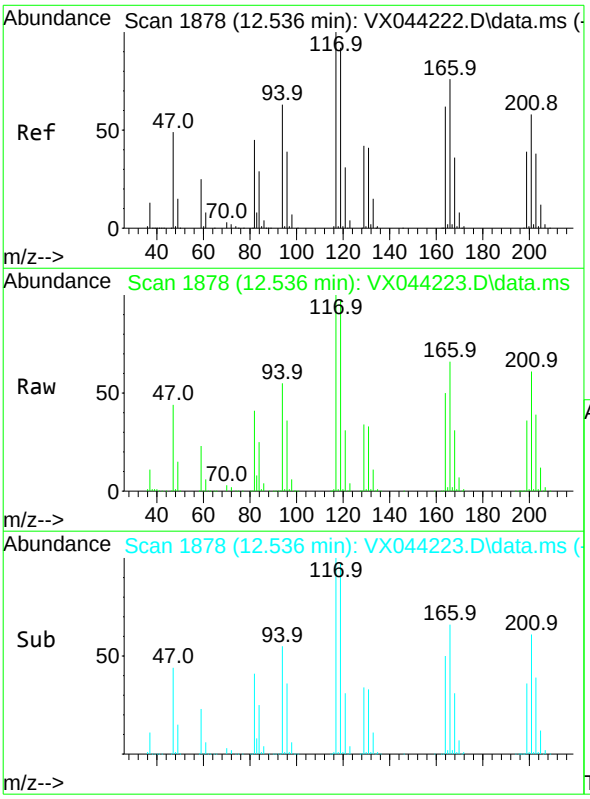
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.6	79.7
134	24.5	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

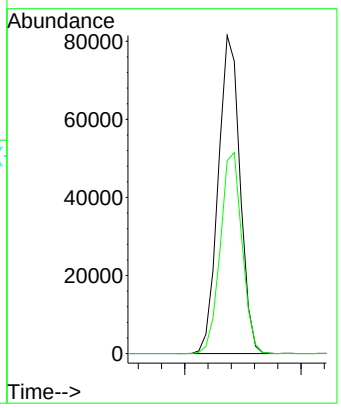


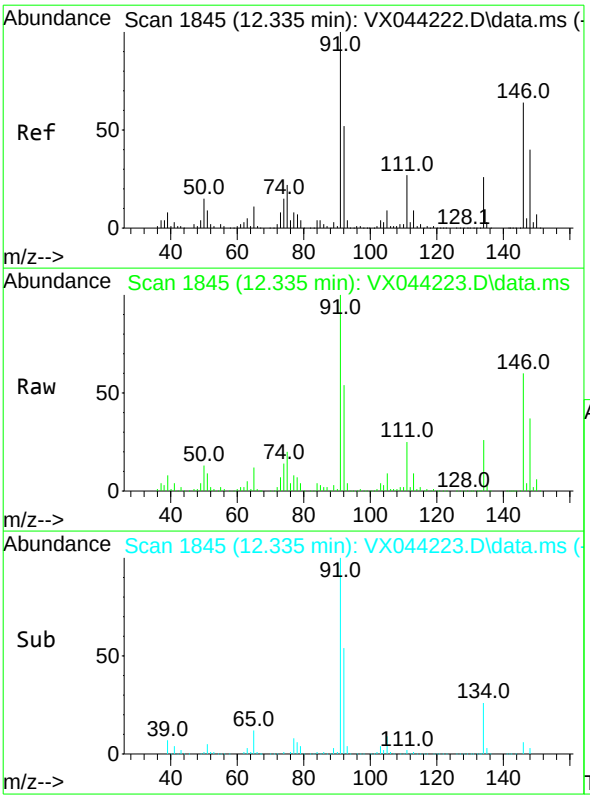


#90
Hexachloroethane
Concen: 117.218 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:117 Resp: 105946

Ion	Ratio	Lower	Upper
117	100		
201	63.2	31.4	94.2





#91
1,2-Dichlorobenzene
Concen: 98.232 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

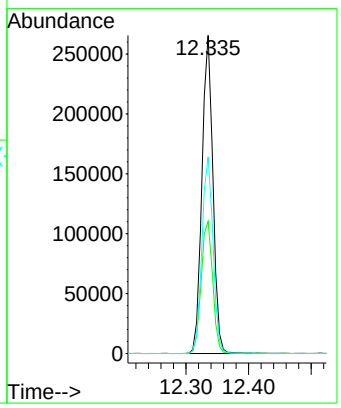
Tgt Ion:146 Resp: 323040

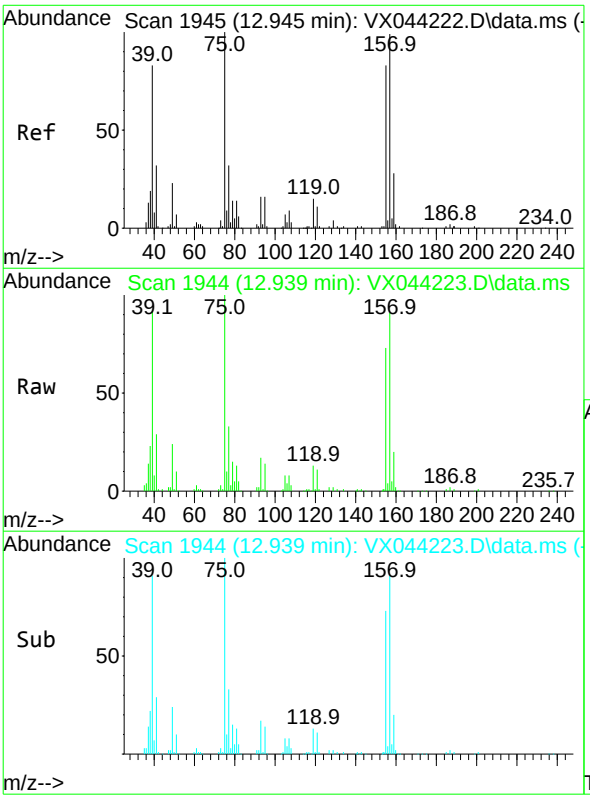
Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.4	64.3
148	62.6	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

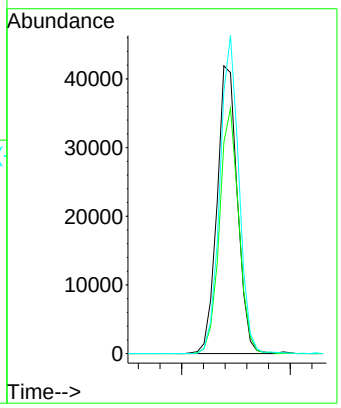


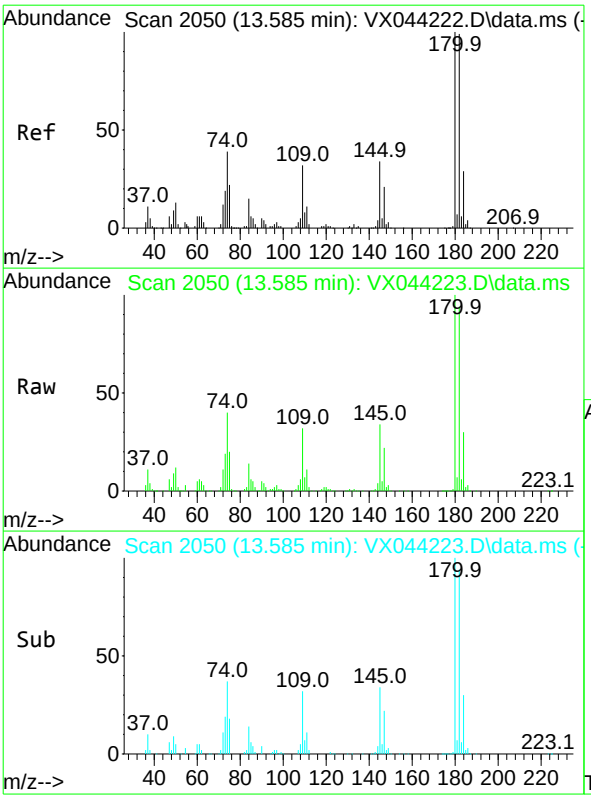


#92
1,2-Dibromo-3-Chloropropane
Concen: 108.279 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 75 Resp: 54588

Ion	Ratio	Lower	Upper
75	100		
155	80.6	38.1	114.3
157	102.8	47.2	141.6





#93
1,2,4-Trichlorobenzene
Concen: 109.766 ug/l
RT: 13.585 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

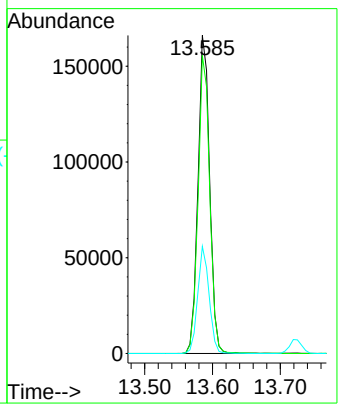
Tgt Ion:180 Resp: 197899

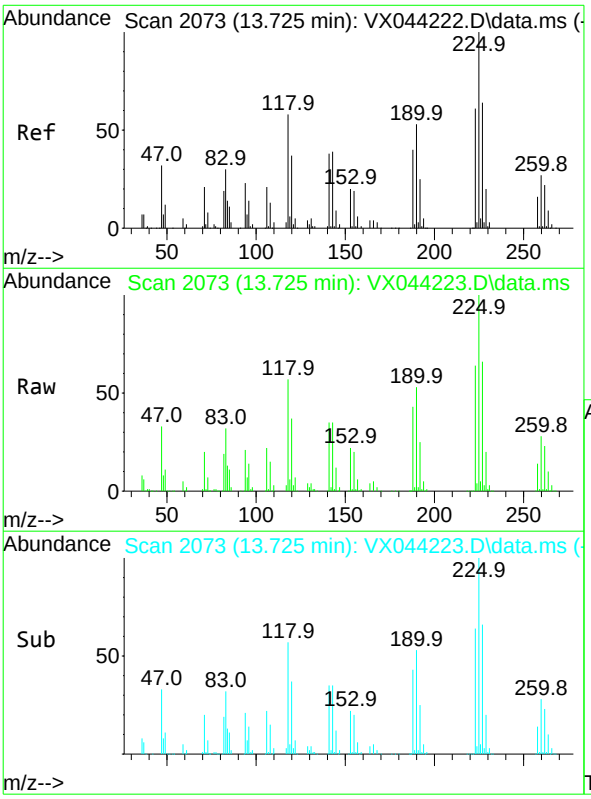
Ion	Ratio	Lower	Upper
180	100		
182	93.5	48.0	144.2
145	32.9	16.6	49.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

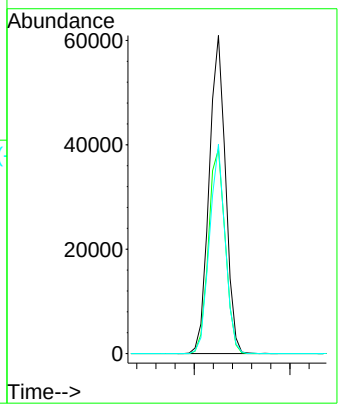


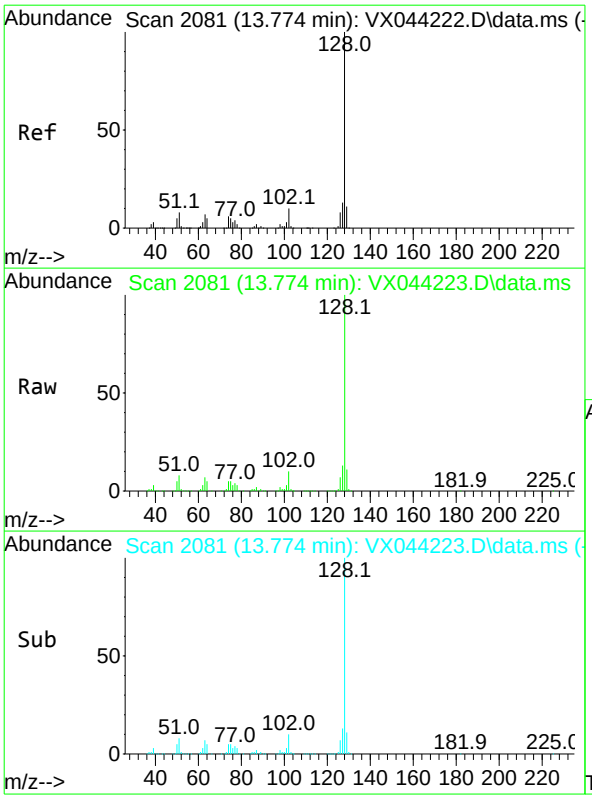


#94
Hexachlorobutadiene
Concen: 99.908 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:225 Resp: 72453

Ion	Ratio	Lower	Upper
225	100		
223	65.5	30.8	92.4
227	62.9	32.1	96.3





#95
Naphthalene
Concen: 107.308 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

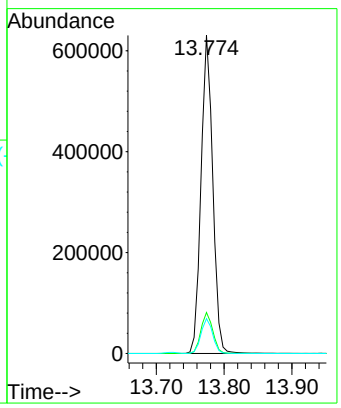
Tgt Ion:128 Resp: 755181

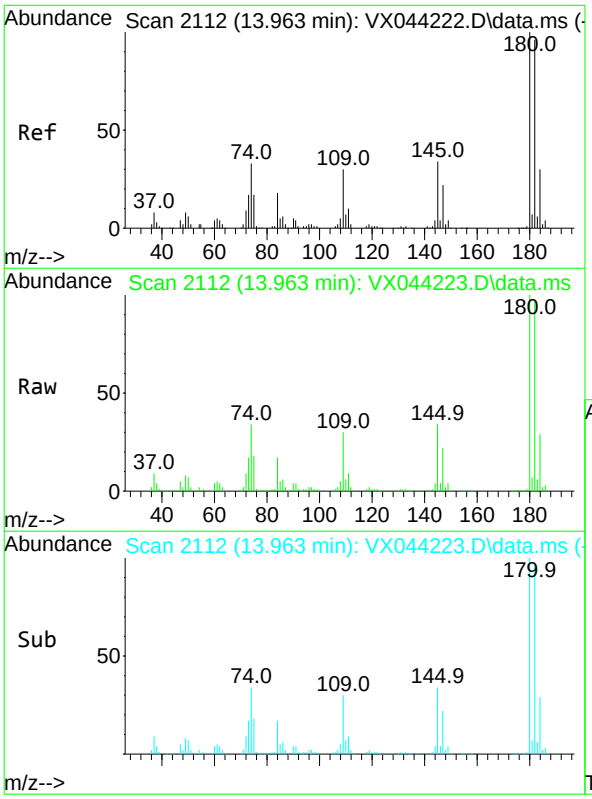
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	9.0	13.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

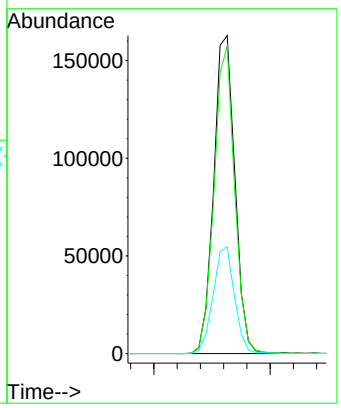




#96
1,2,3-Trichlorobenzene
Concen: 107.754 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:180 Resp: 206053

Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.0	144.0
145	34.1	17.7	53.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044224.D
Acq On : 11 Dec 2024 13:00
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 12 04:16:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	117957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	218610	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	190013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90898	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	314272	151.956	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 303.920%#			
35) Dibromofluoromethane	5.385	113	231937	153.188	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 306.380%#			
50) Toluene-d8	8.647	98	788876	154.438	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 308.880%#			
62) 4-Bromofluorobenzene	11.079	95	279706	156.709	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 313.420%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	268739	147.342	ug/l	98
3) Chloromethane	1.294	50	261734	150.062	ug/l	97
4) Vinyl Chloride	1.374	62	260651	143.446	ug/l	97
5) Bromomethane	1.593	94	194089	150.562	ug/l	100
6) Chloroethane	1.660	64	150640	133.137	ug/l	98
7) Trichlorofluoromethane	1.861	101	500315	140.645	ug/l	99
8) Diethyl Ether	2.136	74	183845	151.407	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.312	101	219513	152.497	ug/l	99
10) Methyl Iodide	2.441	142	284184	149.795	ug/l	99
11) Tert butyl alcohol	3.014	59	266830	916.880	ug/l	98
12) 1,1-Dichloroethene	2.306	96	211016	159.600	ug/l	96
13) Acrolein	2.239	56	341487	809.350	ug/l	100
14) Allyl chloride	2.654	41	346773	157.465	ug/l	99
15) Acrylonitrile	3.068	53	649783	804.774	ug/l	99
16) Acetone	2.392	43	658120	780.537	ug/l	98
17) Carbon Disulfide	2.495	76	481926	191.754	ug/l	99
18) Methyl Acetate	2.709	43	336516	154.792	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	806360	156.286	ug/l	98
20) Methylene Chloride	2.782	84	236412	149.282	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	221622	157.719	ug/l	99
22) Diisopropyl ether	3.763	45	751292	151.500	ug/l	98
23) Vinyl Acetate	3.727	43	3464902	859.417	ug/l	99
24) 1,1-Dichloroethane	3.605	63	431006	155.921	ug/l	100
25) 2-Butanone	4.568	43	957709	798.973	ug/l	99
26) 2,2-Dichloropropane	4.465	77	367781	163.773	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	269708	151.131	ug/l	99
28) Bromochloromethane	4.897	49	200978	148.269	ug/l	100
29) Tetrahydrofuran	5.013	42	602095	782.561	ug/l	99
30) Chloroform	5.092	83	463606	149.274	ug/l	99
31) Cyclohexane	5.458	56	332026	148.745	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	415253	161.073	ug/l	99
36) 1,1-Dichloropropene	5.684	75	290913	148.642	ug/l	99
37) Ethyl Acetate	4.721	43	376757	155.731	ug/l	99
38) Carbon Tetrachloride	5.672	117	346795	164.587	ug/l	98
39) Methylcyclohexane	7.373	83	368542	157.516	ug/l	99
40) Benzene	6.031	78	887413	149.340	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044224.D
Acq On : 11 Dec 2024 13:00
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 12 04:16:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	199851	155.569 ug/l	99
42) 1,2-Dichloroethane	6.086	62	369874	151.105 ug/l	100
43) Isopropyl Acetate	6.342	43	617107	163.200 ug/l	99
44) Trichloroethene	7.123	130	224164	151.275 ug/l	100
45) 1,2-Dichloropropane	7.427	63	224224	147.697 ug/l	96
46) Dibromomethane	7.580	93	184590	156.728 ug/l	99
47) Bromodichloromethane	7.818	83	352904	173.496 ug/l	98
48) Methyl methacrylate	7.696	41	292890	159.567 ug/l	98
49) 1,4-Dioxane	7.665	88	101048m	3221.248 ug/l	
51) 4-Methyl-2-Pentanone	8.580	43	1907523	784.573 ug/l	99
52) Toluene	8.714	92	557102	149.294 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	366275	150.167 ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	382226	172.581 ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	222665	150.202 ug/l	98
56) Ethyl methacrylate	9.116	69	389165	166.289 ug/l	99
57) 1,3-Dichloropropane	9.305	76	387086	150.014 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	970949	822.575 ug/l	100
59) 2-Hexanone	9.433	43	1436300	816.161 ug/l	99
60) Dibromochloromethane	9.525	129	261253	150.105 ug/l	99
61) 1,2-Dibromoethane	9.610	107	242451	160.674 ug/l	97
64) Tetrachloroethene	9.269	164	186443	147.836 ug/l	98
65) Chlorobenzene	10.079	112	608404	149.428 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	218515	166.991 ug/l	100
67) Ethyl Benzene	10.195	91	1068736	151.917 ug/l	98
68) m/p-Xylenes	10.299	106	806058	312.254 ug/l	98
69) o-Xylene	10.640	106	397084	152.030 ug/l	98
70) Styrene	10.652	104	670887	160.228 ug/l	98
71) Bromoform	10.799	173	169450	150.034 ug/l #	99
73) Isopropylbenzene	10.963	105	1021749	146.832 ug/l	99
74) N-amyl acetate	10.841	43	536496	166.823 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	352591	145.883 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	287602m	139.434 ug/l	
77) Bromobenzene	11.201	156	243975	144.584 ug/l	100
78) n-propylbenzene	11.305	91	1166255	151.637 ug/l	98
79) 2-Chlorotoluene	11.366	91	700673	140.866 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	853042	147.824 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	117263	152.670 ug/l	93
82) 4-Chlorotoluene	11.451	91	825278	149.831 ug/l	99
83) tert-Butylbenzene	11.713	119	846864	148.495 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	846771	149.414 ug/l	100
85) sec-Butylbenzene	11.890	105	1034419	149.409 ug/l	99
86) p-Isopropyltoluene	12.006	119	875562	151.944 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	443826	150.575 ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	442556	146.058 ug/l	99
89) n-Butylbenzene	12.329	91	808399	166.836 ug/l	100
90) Hexachloroethane	12.536	117	154726	183.942 ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	447931	146.357 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	83565	178.106 ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	288519	171.952 ug/l	98
94) Hexachlorobutadiene	13.725	225	103961	154.036 ug/l	98
95) Naphthalene	13.774	128	1094997	167.187 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	293760	165.064 ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044224.D
Acq On : 11 Dec 2024 13:00
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Dec 12 04:16:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

ICAL Form

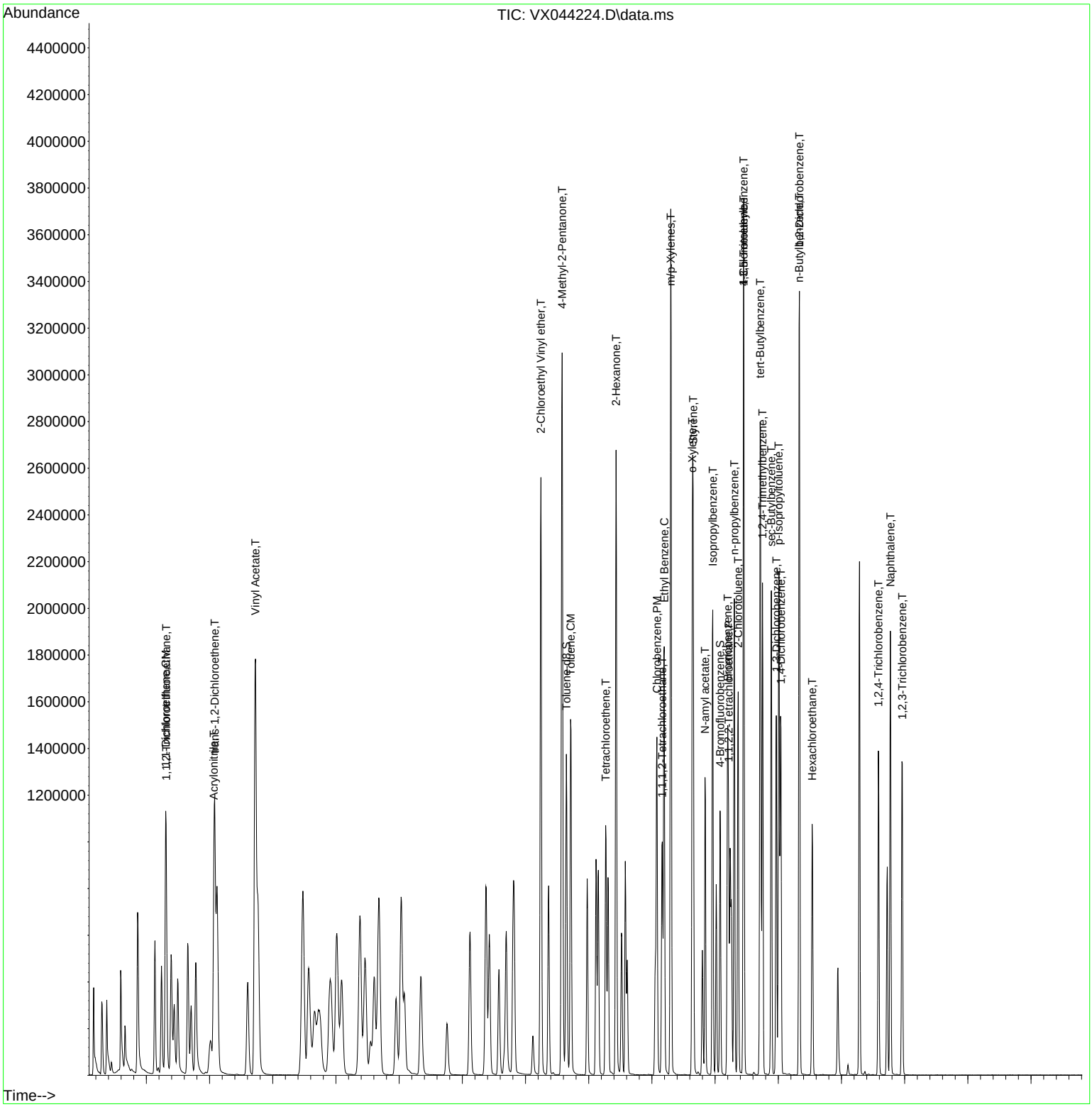
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044224.D
Acq On : 11 Dec 2024 13:00
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

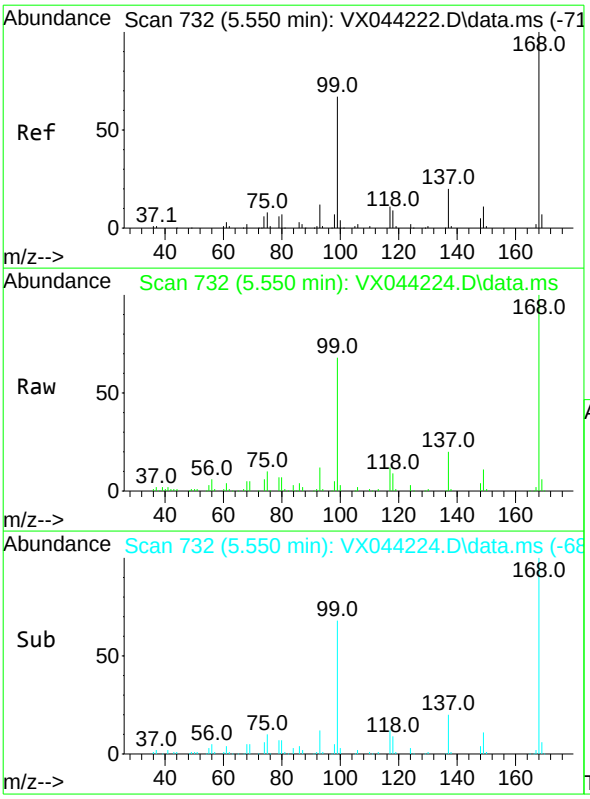
Quant Time: Dec 12 04:16:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

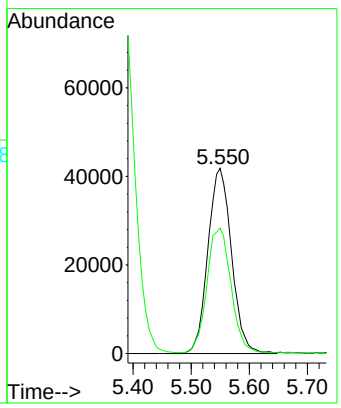
Tgt Ion:168 Resp: 117957

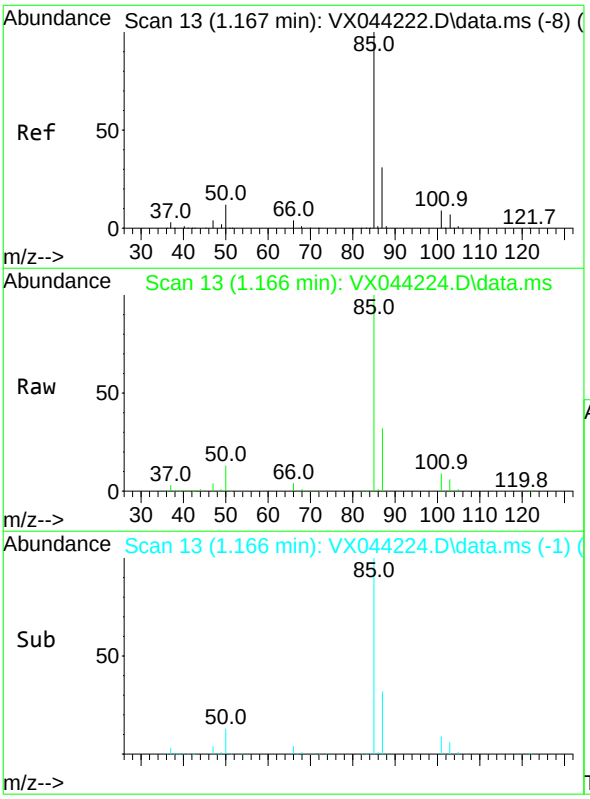
Ion	Ratio	Lower	Upper
168	100		
99	67.2	53.4	80.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

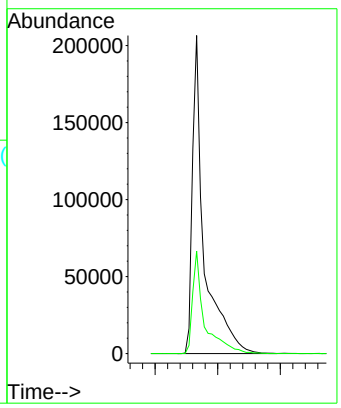


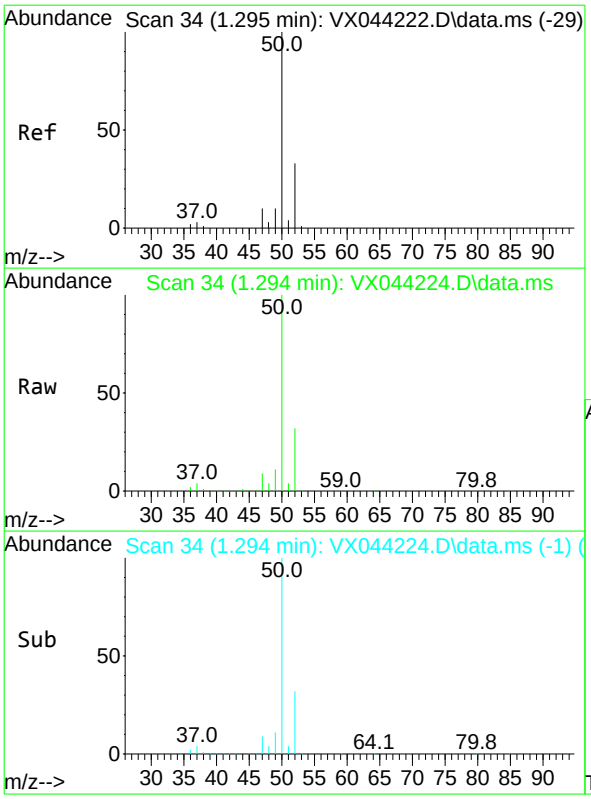


#2
Dichlorodifluoromethane
Concen: 147.342 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 85 Resp: 268739

Ion	Ratio	Lower	Upper
85	100		
87	32.2	15.4	46.4





#3
Chloromethane
Concen: 150.062 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 50 Resp: 261734

Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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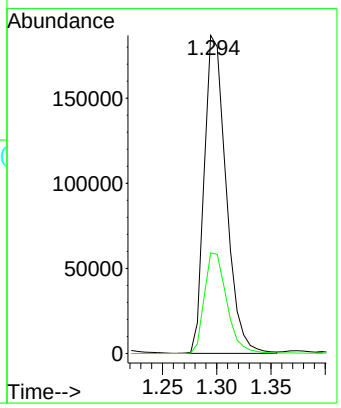
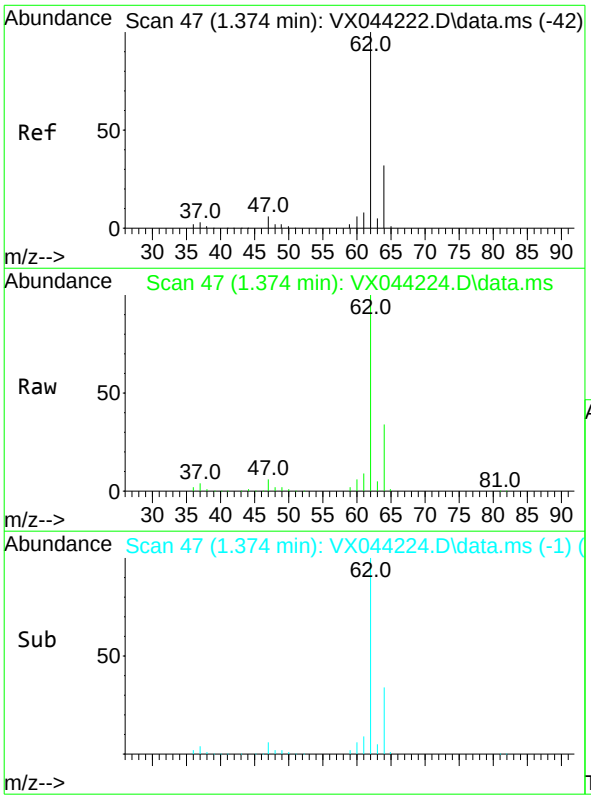
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

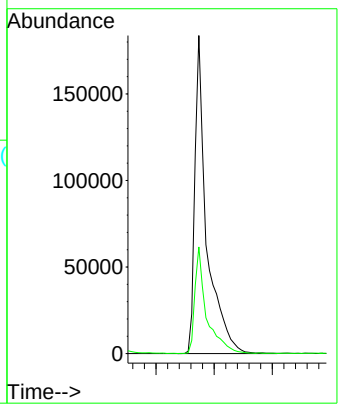


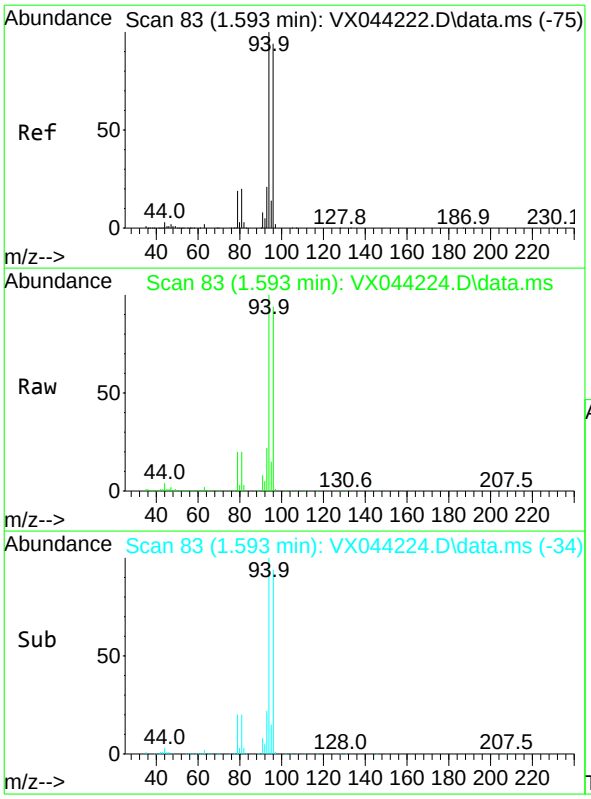


#4
Vinyl Chloride
Concen: 143.446 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 62 Resp: 260651

Ion	Ratio	Lower	Upper
62	100		
64	33.5	25.7	38.5





#5
Bromomethane
Concen: 150.562 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 94 Resp: 194089

Ion	Ratio	Lower	Upper
94	100		
96	94.0	74.9	112.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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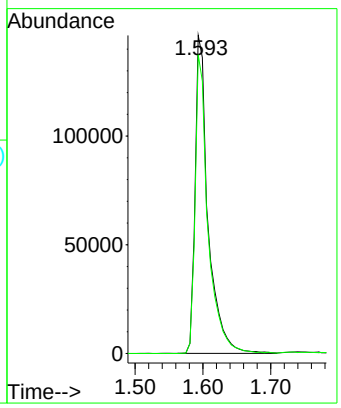
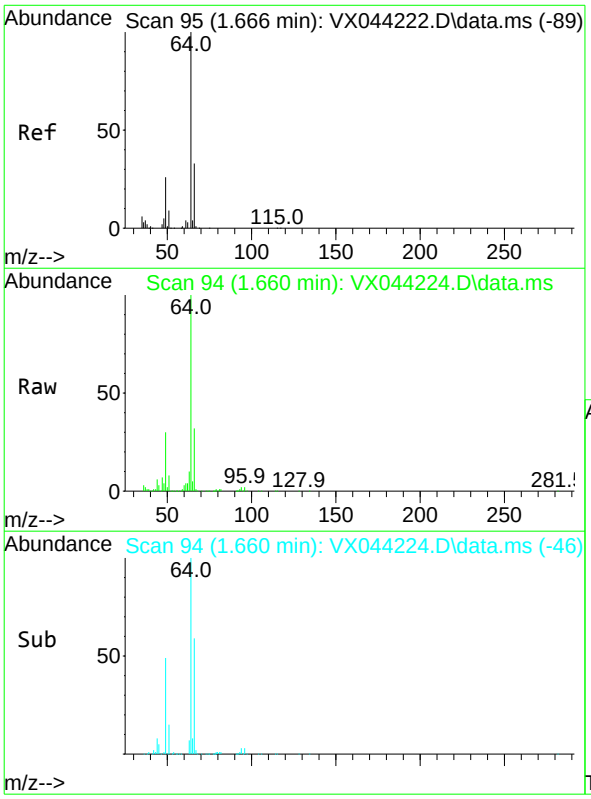
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

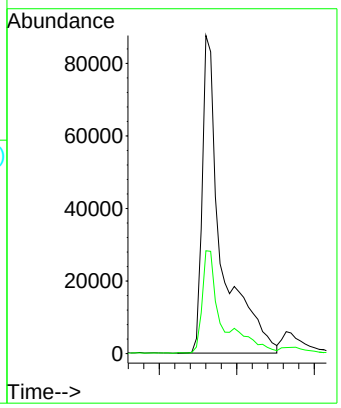


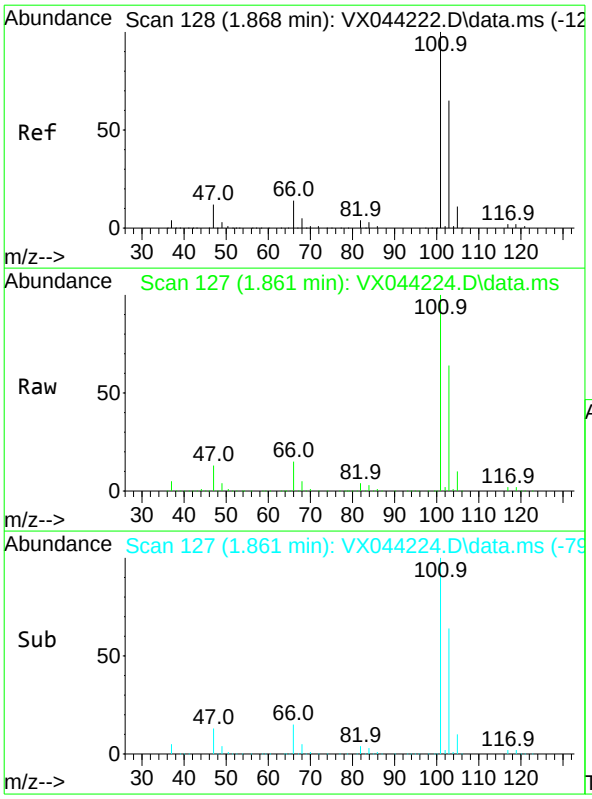


#6
Chloroethane
Concen: 133.137 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 64 Resp: 150640

Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.6	39.8





#7
Trichlorofluoromethane
Concen: 140.645 ug/l
RT: 1.861 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:101 Resp: 500315

Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.8	77.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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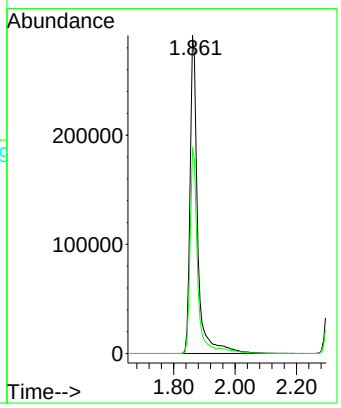
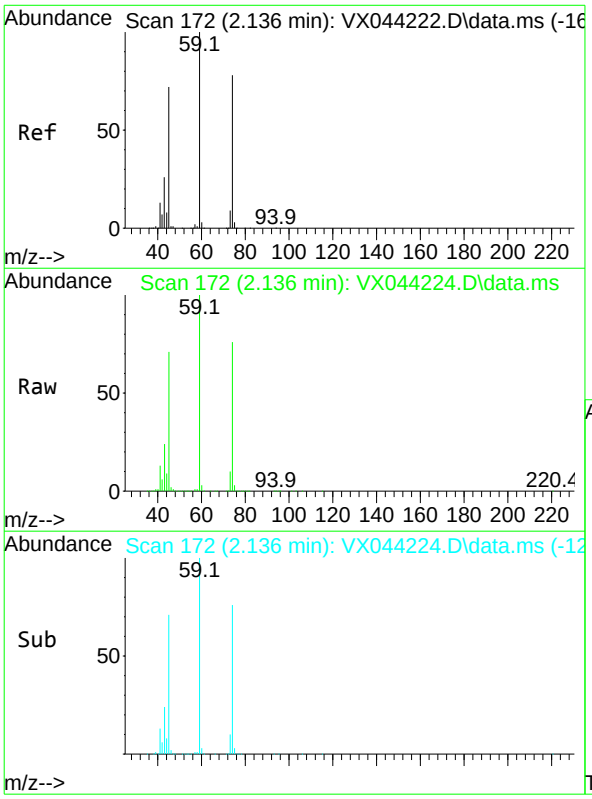
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

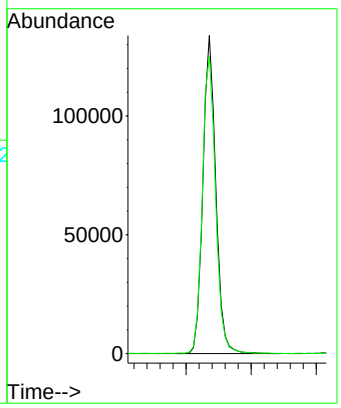


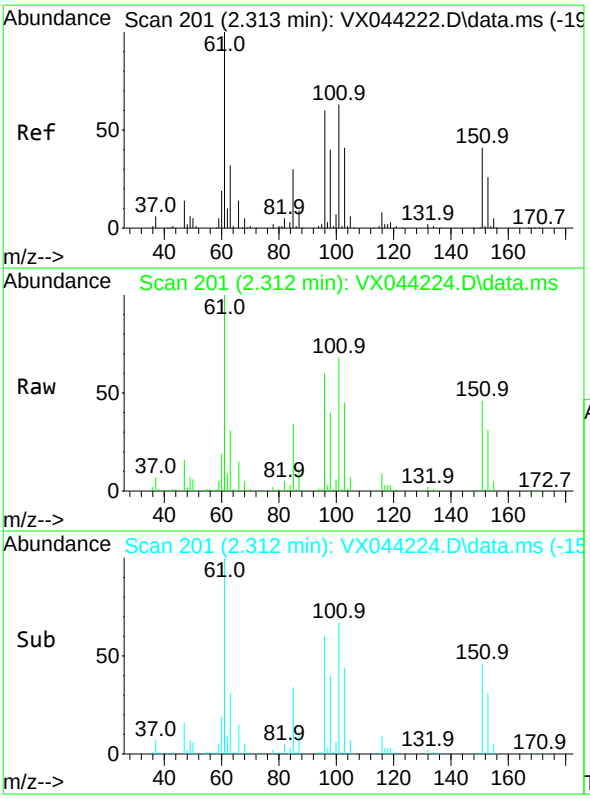


#8
Diethyl Ether
Concen: 151.407 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 74 Resp: 183845

Ion	Ratio	Lower	Upper
74	100		
45	96.6	48.4	145.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 152.497 ug/l
RT: 2.312 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:101 Resp: 219513

Ion	Ratio	Lower	Upper
101	100		
85	47.8	38.5	57.7
151	70.5	55.8	83.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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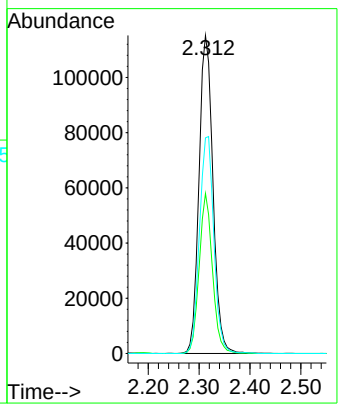
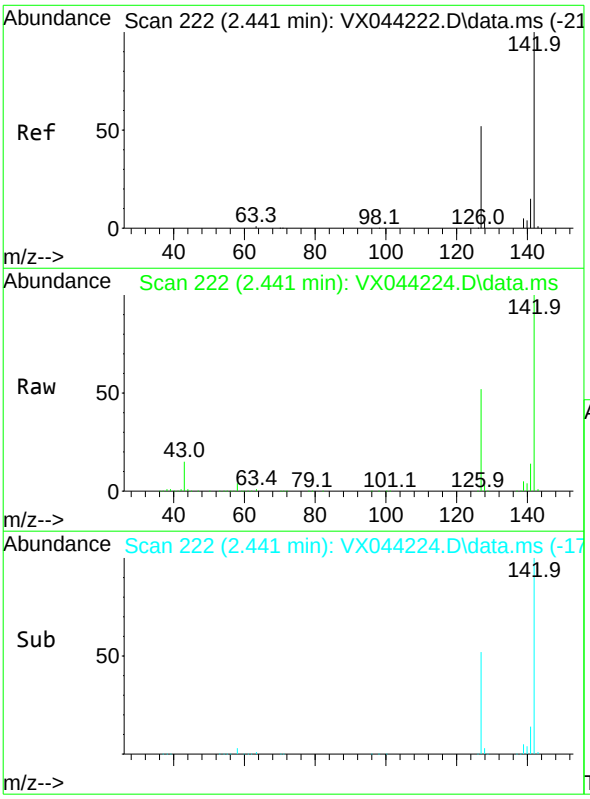
Supervised By :Mahesh Dadoda 12/12/2024

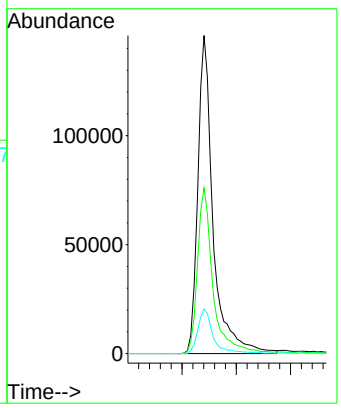


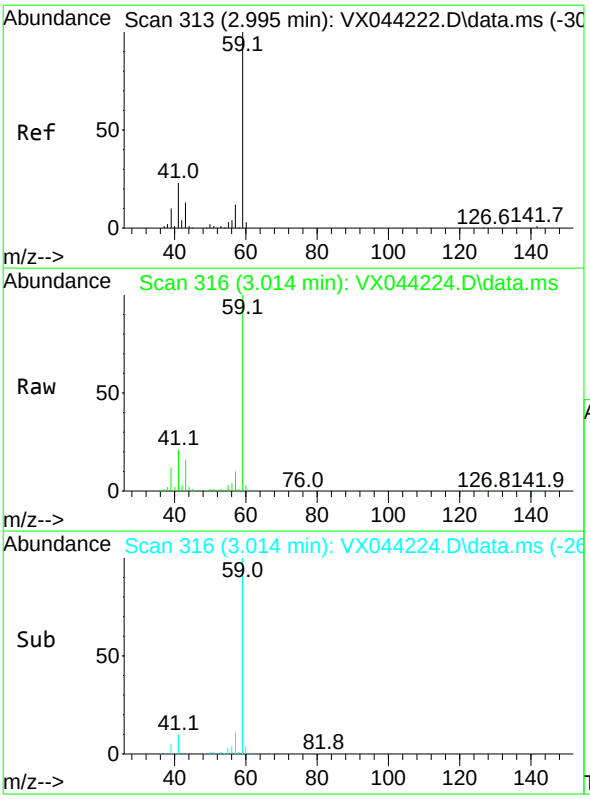


#10
Methyl Iodide
Concen: 149.795 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:142 Resp: 284184

Ion	Ratio	Lower	Upper
142	100		
127	52.8	41.8	62.8
141	14.2	11.5	17.3





#11
Tert butyl alcohol
Concen: 916.880 ug/l
RT: 3.014 min Scan# 31
Delta R.T. 0.018 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 59 Resp: 266830

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.8	13.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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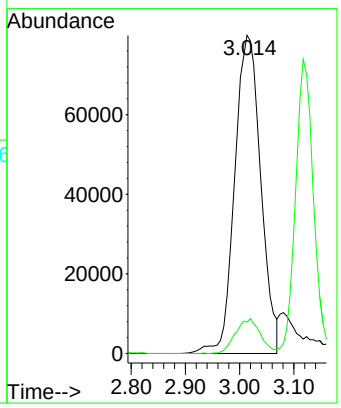
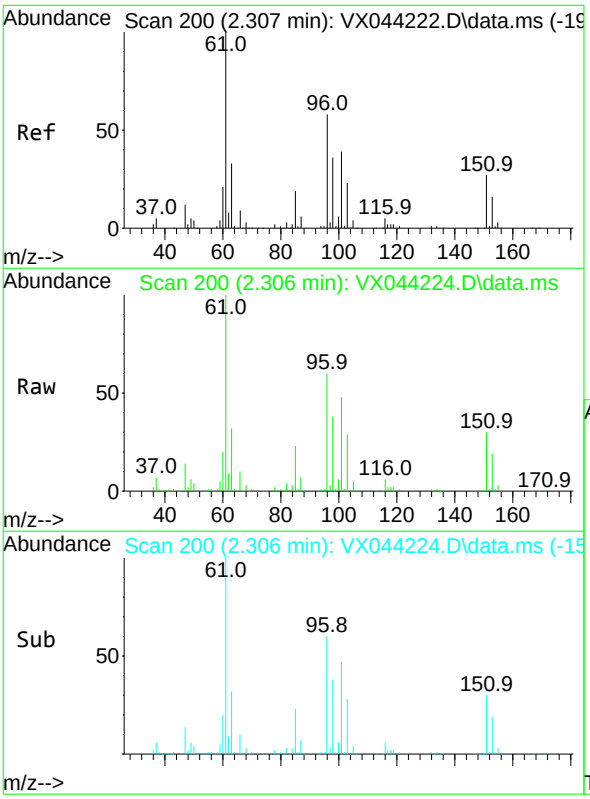
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

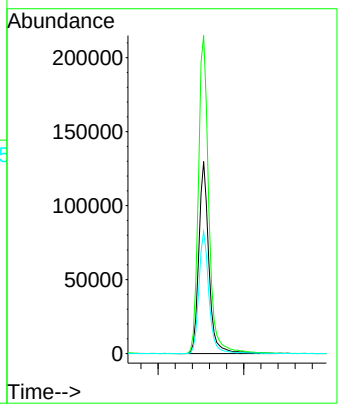


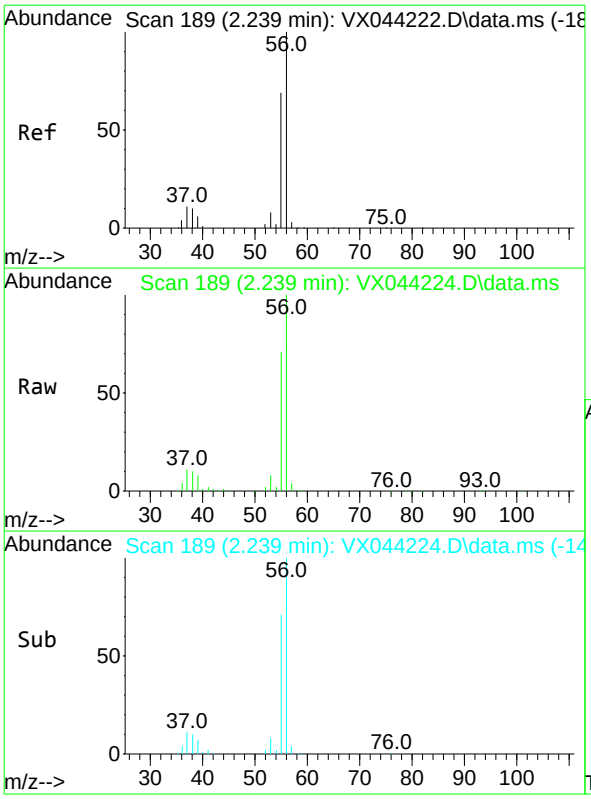


#12
1,1-Dichloroethene
Concen: 159.600 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 96 Resp: 211016

Ion	Ratio	Lower	Upper
96	100		
61	165.6	138.0	207.0
98	63.5	50.0	75.0





#13
Acrolein
Concen: 809.350 ug/l
RT: 2.239 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 56 Resp: 341487

Ion	Ratio	Lower	Upper
56	100		
55	70.8	56.6	84.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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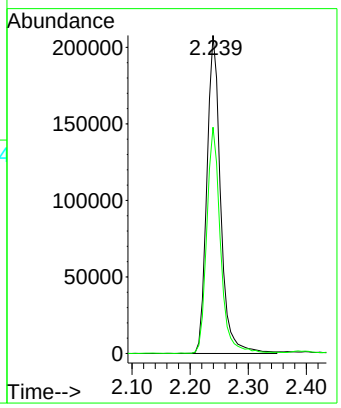
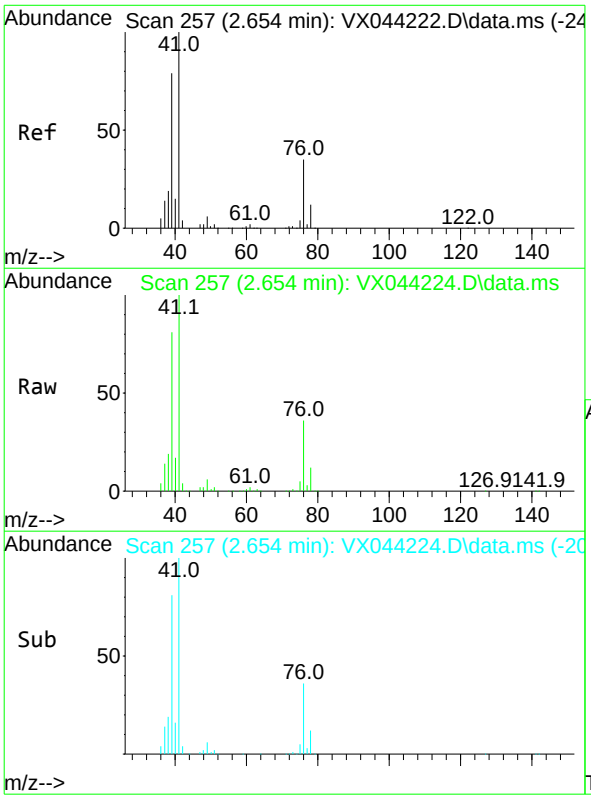
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

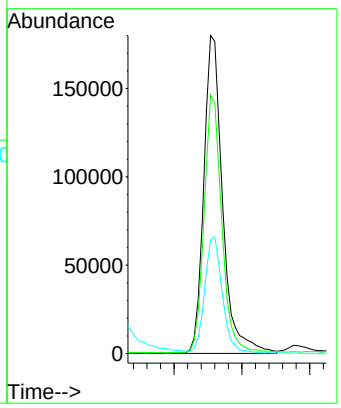


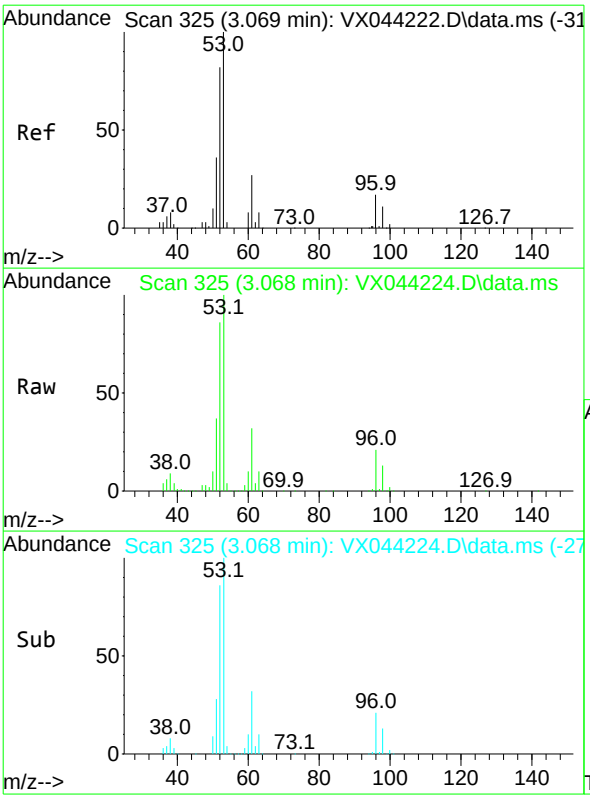


#14
Allyl chloride
Concen: 157.465 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 41 Resp: 346773

Ion	Ratio	Lower	Upper
41	100		
39	76.1	61.9	92.9
76	34.5	27.4	41.2





#15
Acrylonitrile
Concen: 804.774 ug/l
RT: 3.068 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 53 Resp: 649783

Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.4	101.0
51	37.0	30.3	45.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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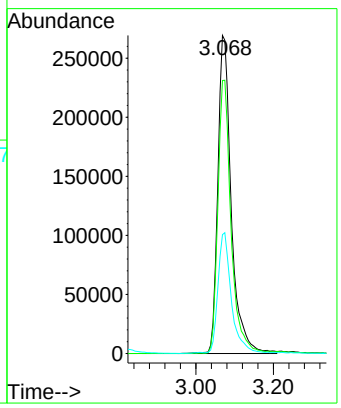
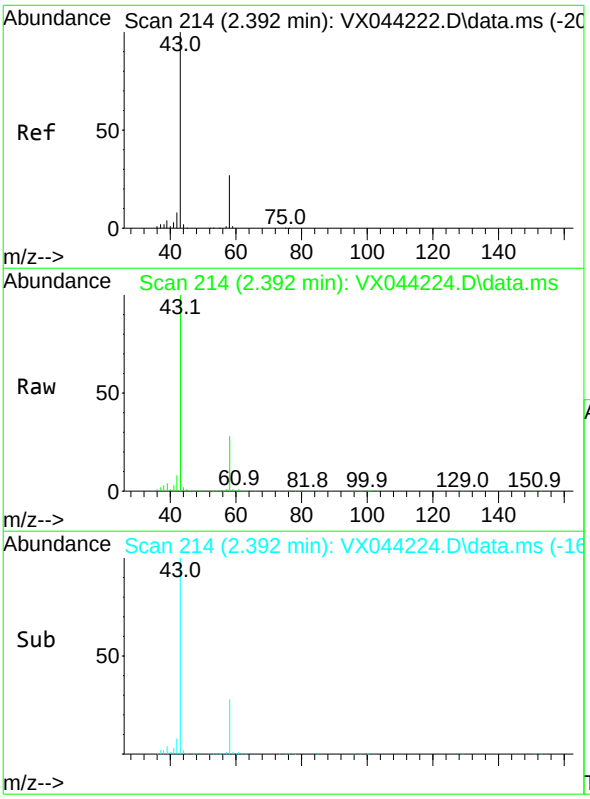
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

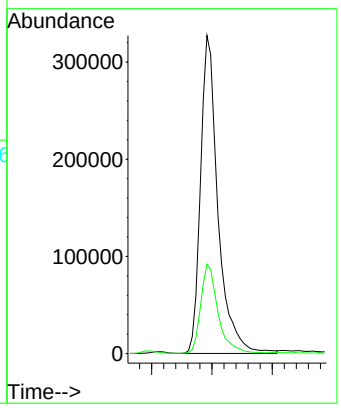


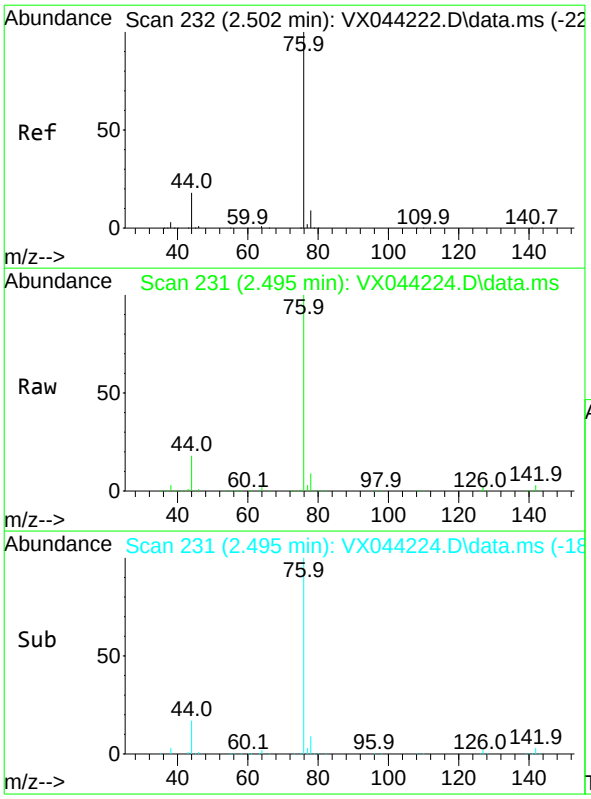


#16
Acetone
Concen: 780.537 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 658120

Ion	Ratio	Lower	Upper
43	100		
58	28.1	21.6	32.4





#17
Carbon Disulfide
Concen: 191.754 ug/l
RT: 2.495 min Scan# 23
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 76 Resp: 481926

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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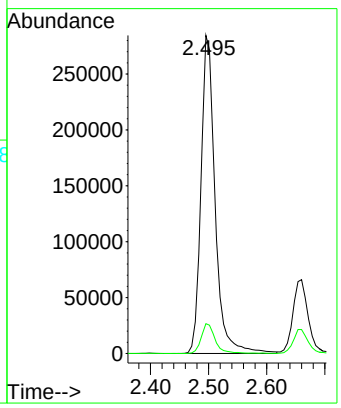
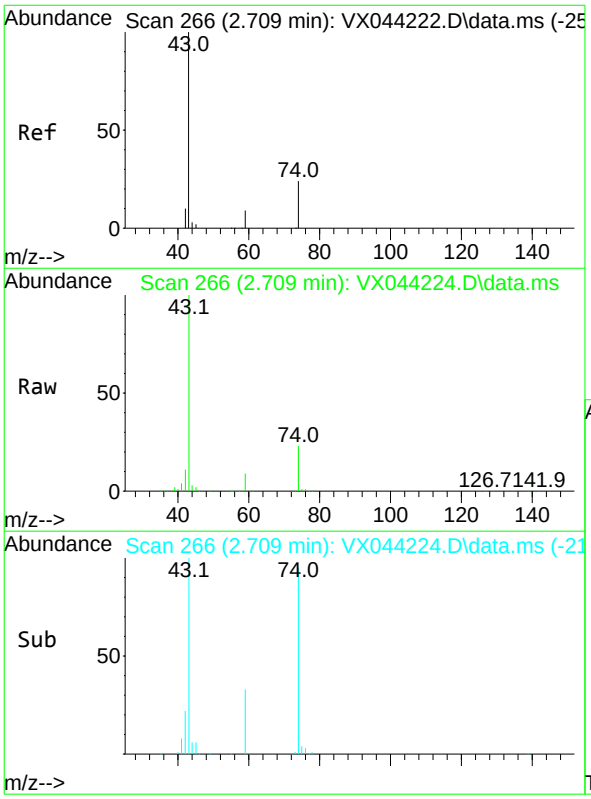
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

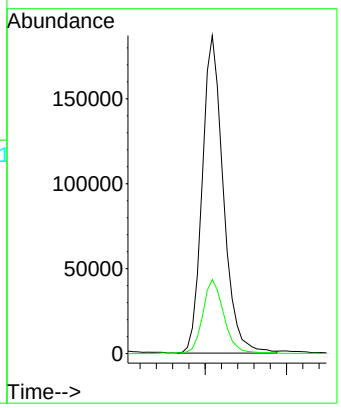


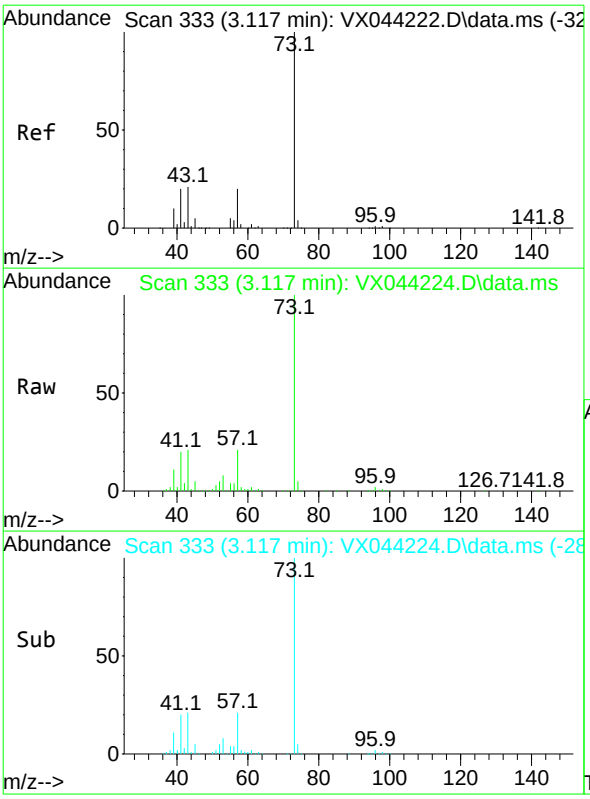


#18
Methyl Acetate
Concen: 154.792 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 336516

Ion	Ratio	Lower	Upper
43	100		
74	23.7	17.7	26.5





#19
Methyl tert-butyl Ether
Concen: 156.286 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 73 Resp: 806360

Ion	Ratio	Lower	Upper
73	100		
57	21.1	16.2	24.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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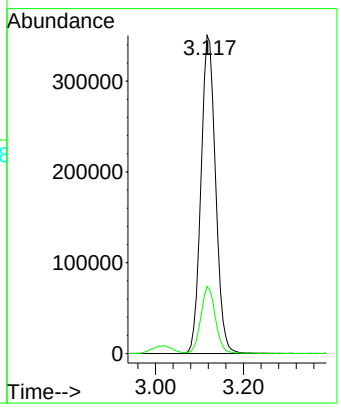
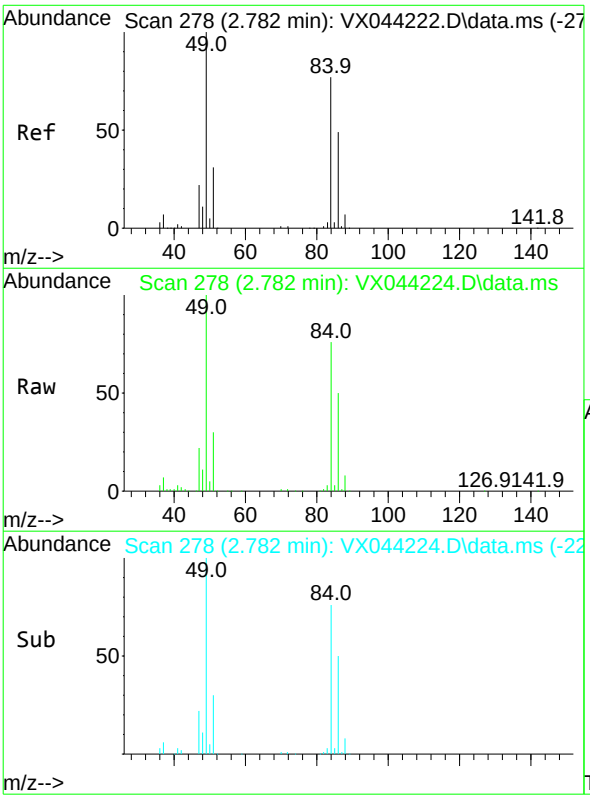
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

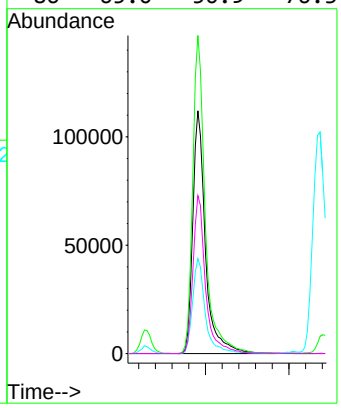


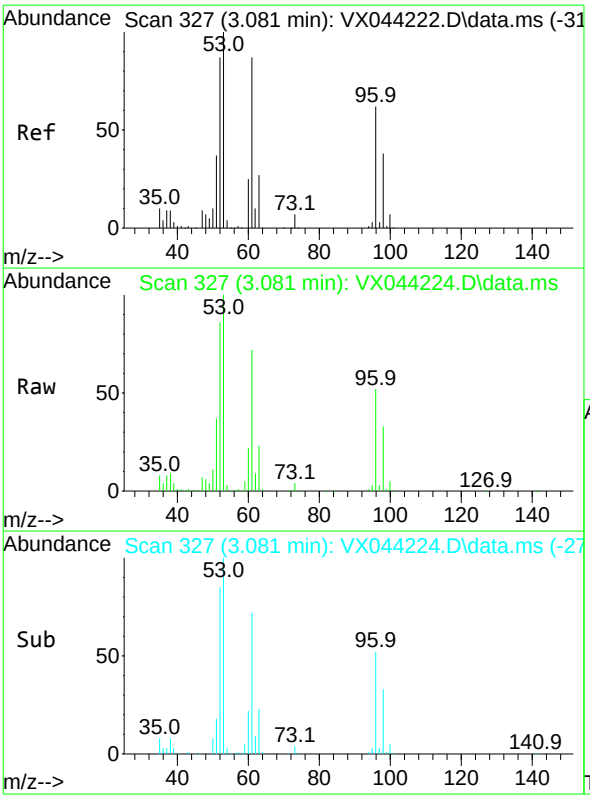


#20
Methylene Chloride
Concen: 149.282 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 84 Resp: 236412

Ion	Ratio	Lower	Upper
84	100		
49	130.9	104.2	156.4
51	39.1	32.2	48.4
86	65.0	50.9	76.3





#21
trans-1,2-Dichloroethene
Concen: 157.719 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 96 Resp: 221622

Ion	Ratio	Lower	Upper
96	100		
61	139.7	112.0	168.0
98	64.2	48.8	73.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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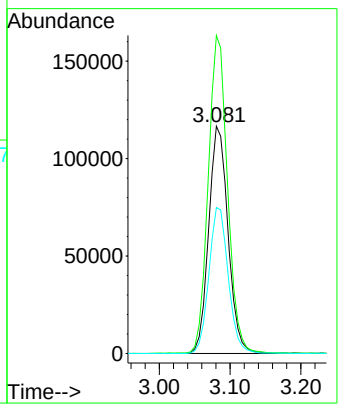
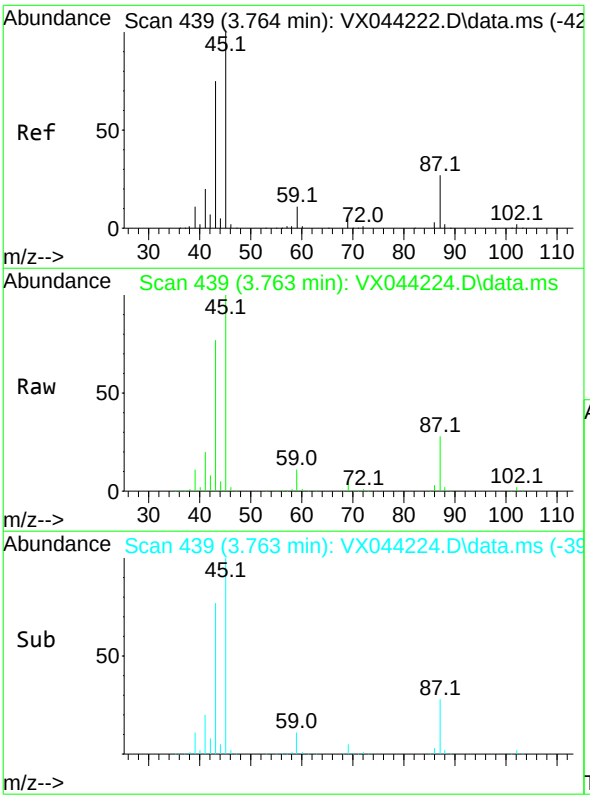
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

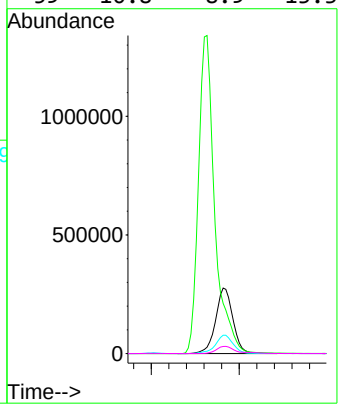


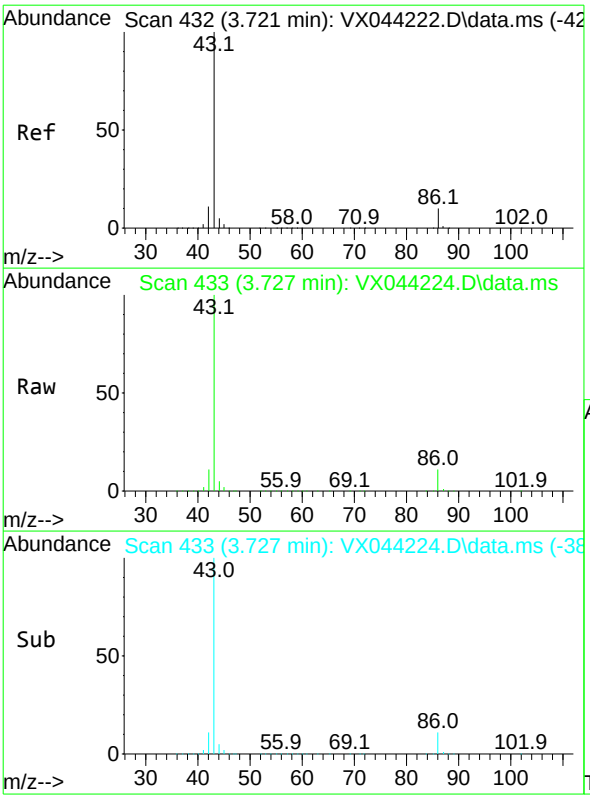


#22
Diisopropyl ether
Concen: 151.500 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 45 Resp: 751292

Ion	Ratio	Lower	Upper
45	100		
43	76.6	60.2	90.2
87	28.0	21.2	31.8
59	10.8	8.9	13.3





#23
Vinyl Acetate
Concen: 859.417 ug/l
RT: 3.727 min Scan# 43
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 3464902

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.2	12.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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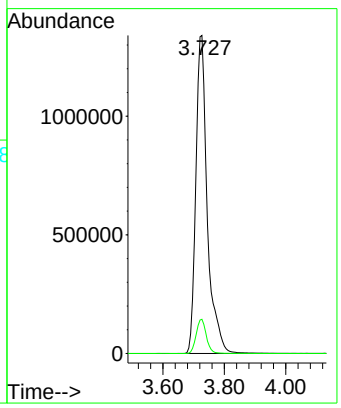
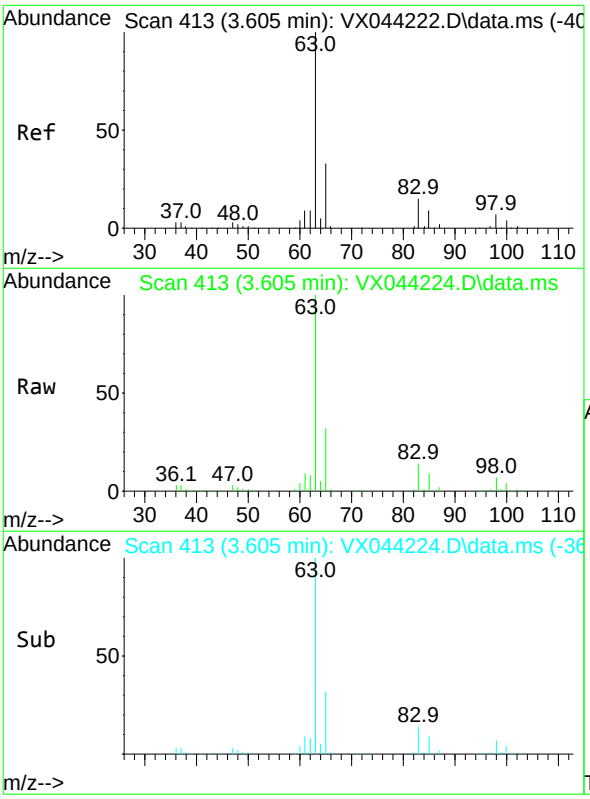
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

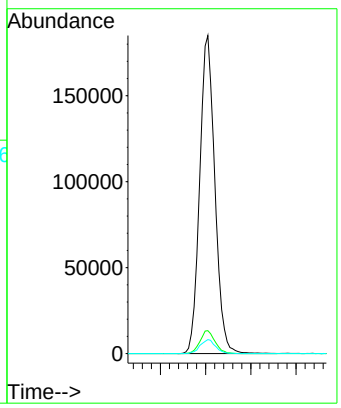


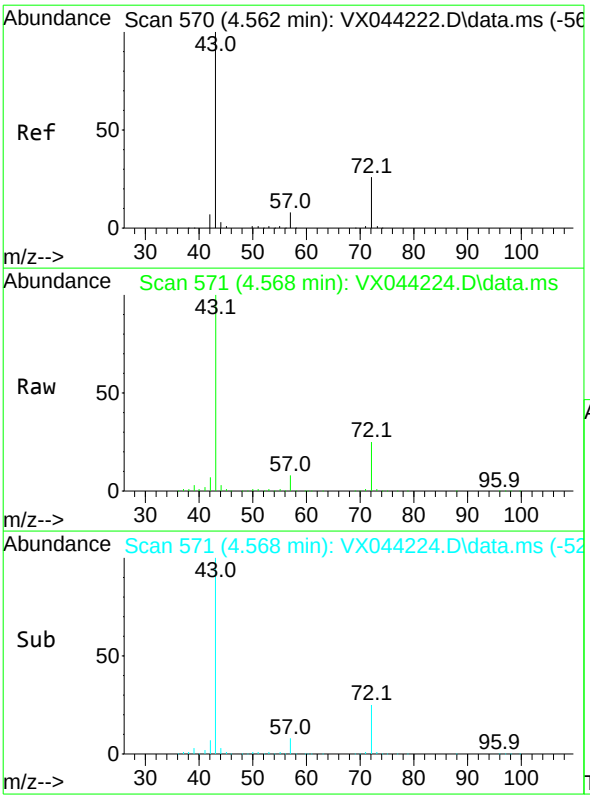


#24
1,1-Dichloroethane
Concen: 155.921 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 63 Resp: 431006

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.6	10.8
100	4.4	2.1	6.3





#25
2-Butanone
Concen: 798.973 ug/l
RT: 4.568 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 957709

Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.2	30.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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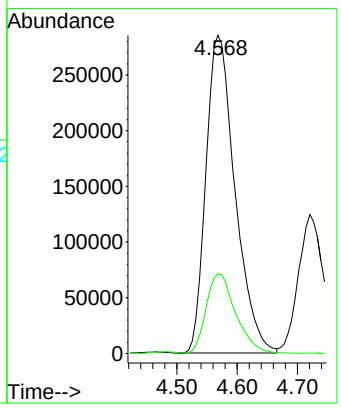
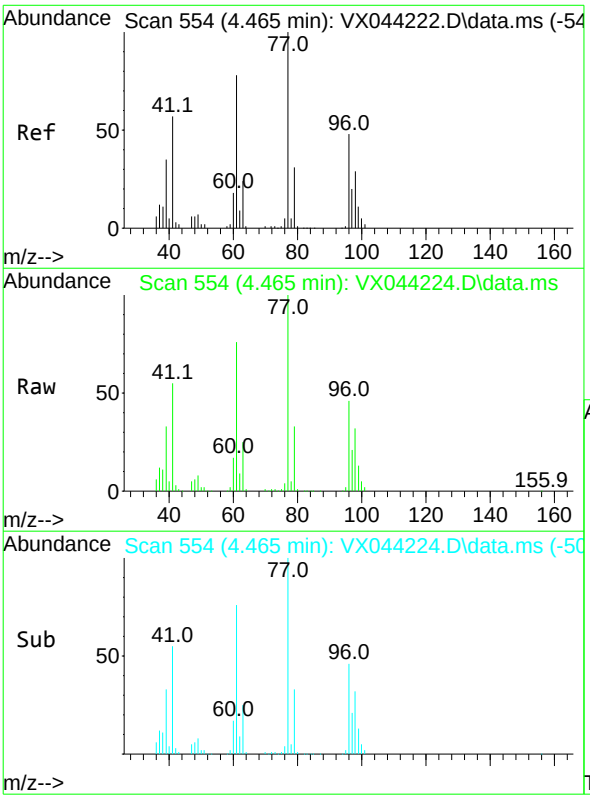
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

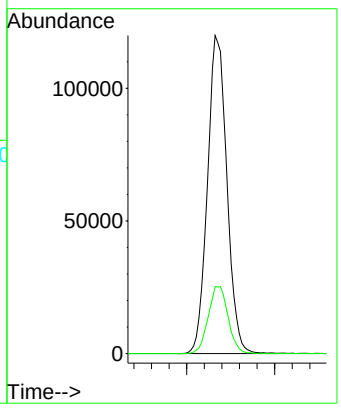


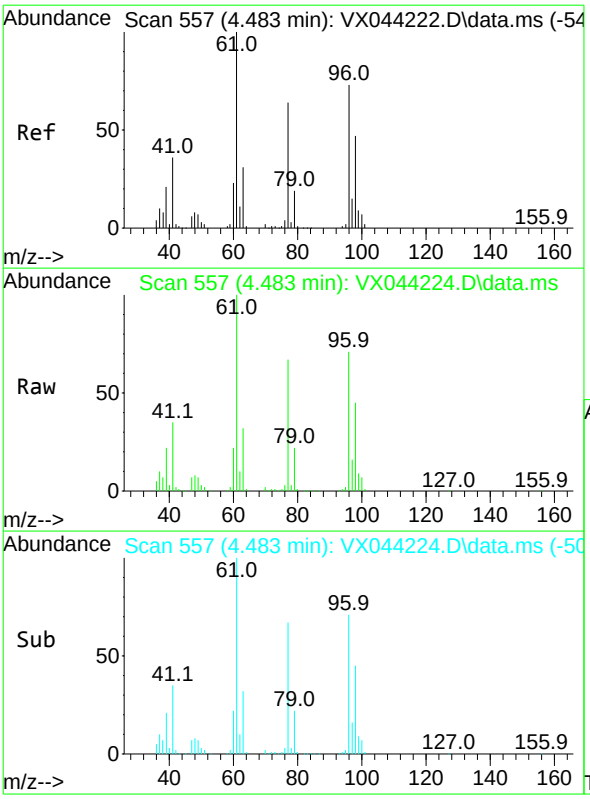


#26
2,2-Dichloropropane
Concen: 163.773 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 77 Resp: 367781

Ion	Ratio	Lower	Upper
77	100		
97	21.6	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 151.131 ug/l
RT: 4.483 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 96 Resp: 269708

Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	299.0
98	64.7	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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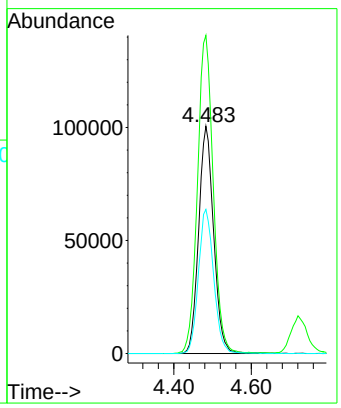
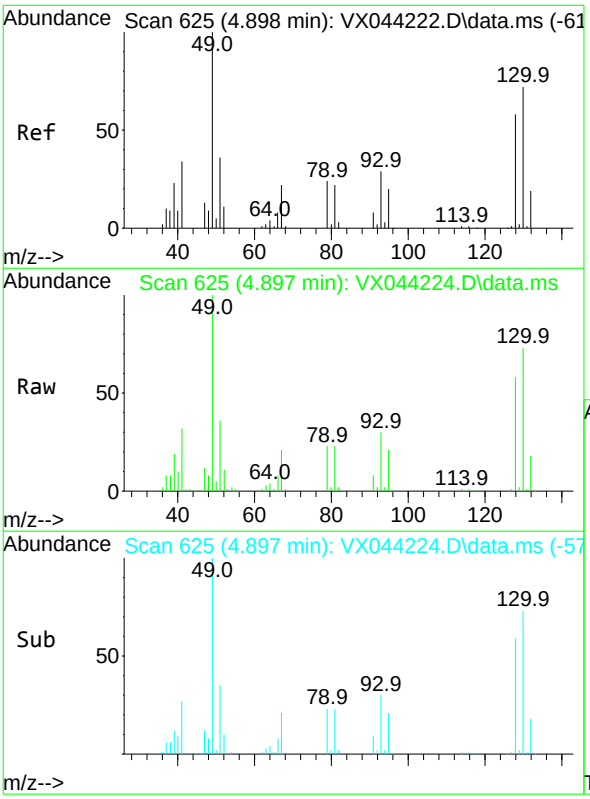
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

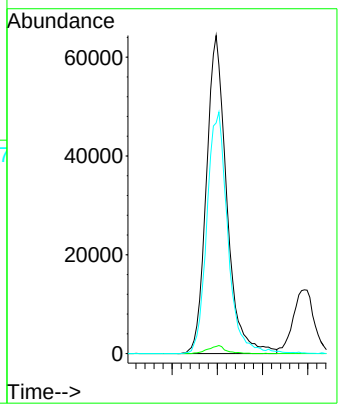


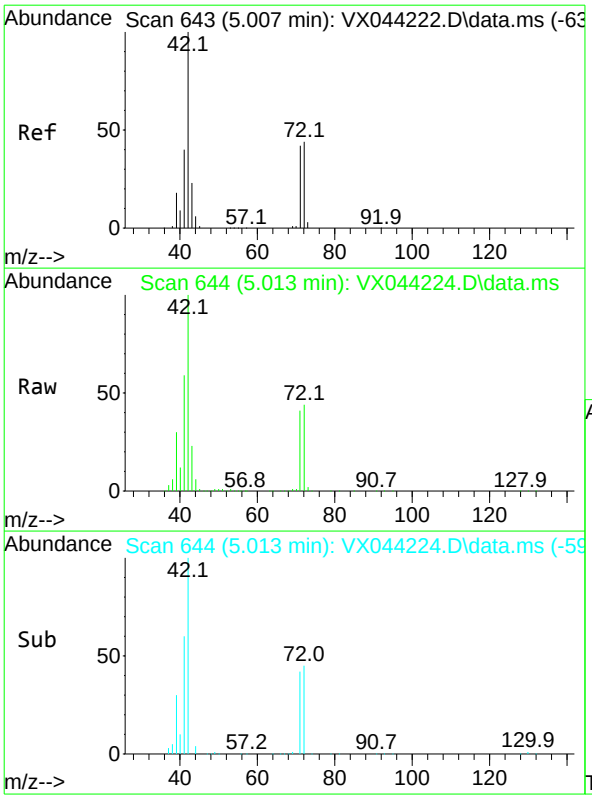


#28
Bromochloromethane
Concen: 148.269 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 49 Resp: 200978

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	77.2	62.1	93.1





#29
Tetrahydrofuran
Concen: 782.561 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 42 Resp: 602095

Ion	Ratio	Lower	Upper
42	100		
72	44.8	37.0	55.6
71	41.7	33.6	50.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 12/12/2024
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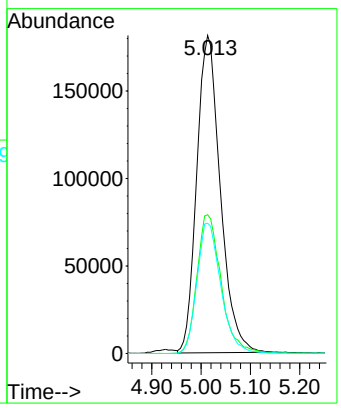
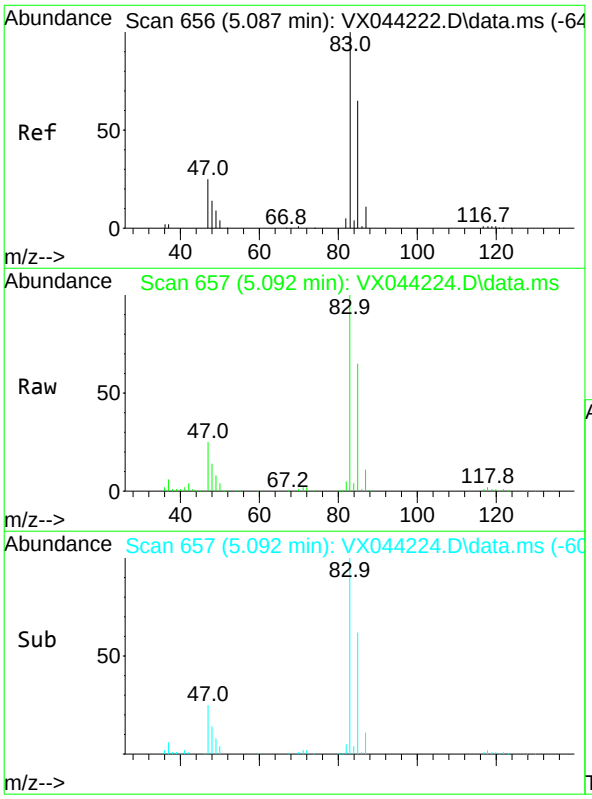
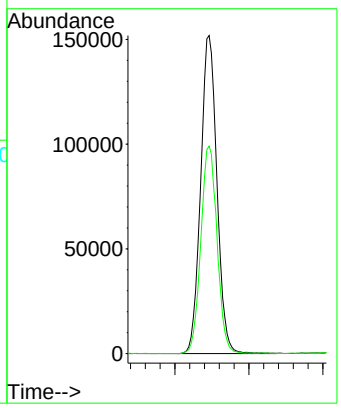


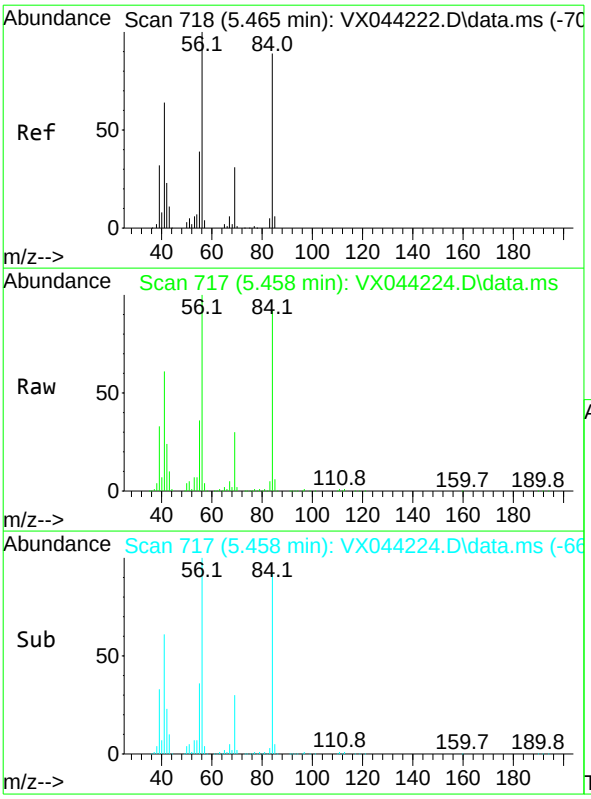


#30
Chloroform
Concen: 149.274 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 83 Resp: 463606

Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.6	77.4





#31
Cyclohexane
Concen: 148.745 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 56 Resp: 332026

Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.7	37.1
84	90.1	71.0	106.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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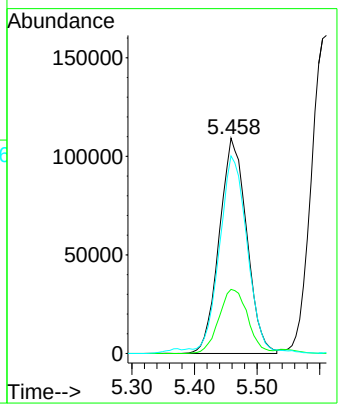
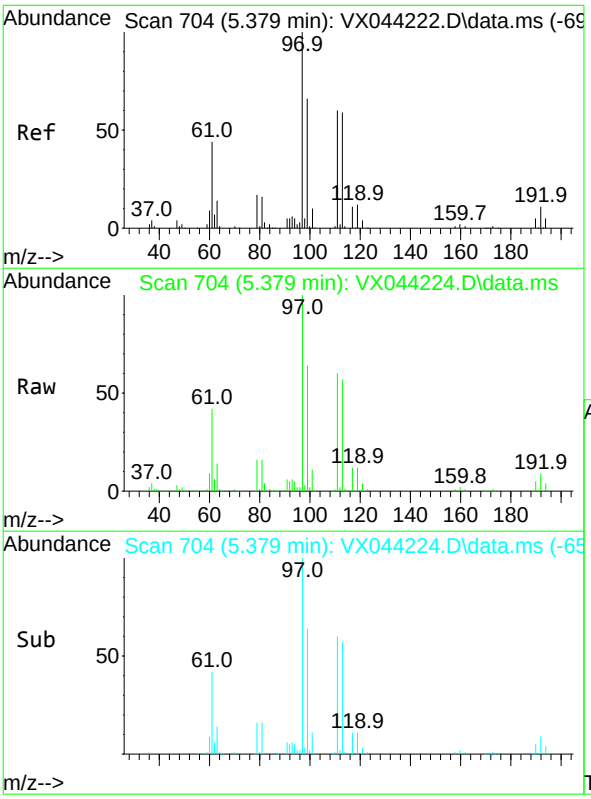
Supervised By :Mahesh Dadoda 12/12/2024

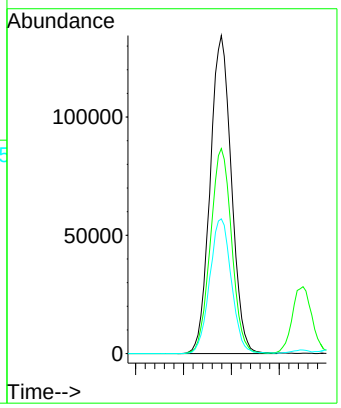


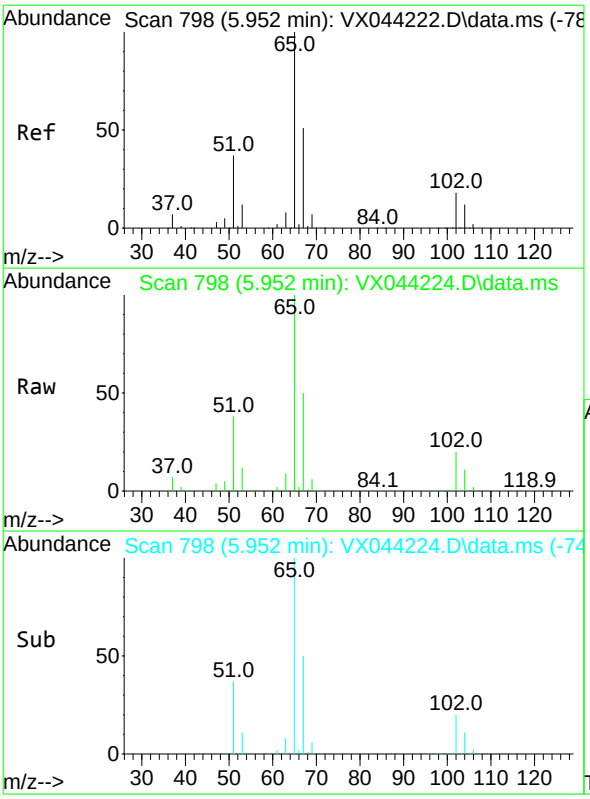


#32
1,1,1-Trichloroethane
Concen: 161.073 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 97 Resp: 415253

Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.8	76.2
61	43.2	35.2	52.8





#33
1,2-Dichloroethane-d4
Concen: 151.956 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 65 Resp: 314272

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	101.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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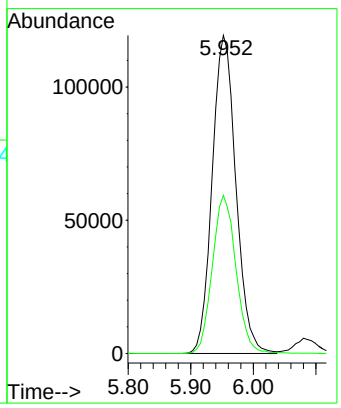
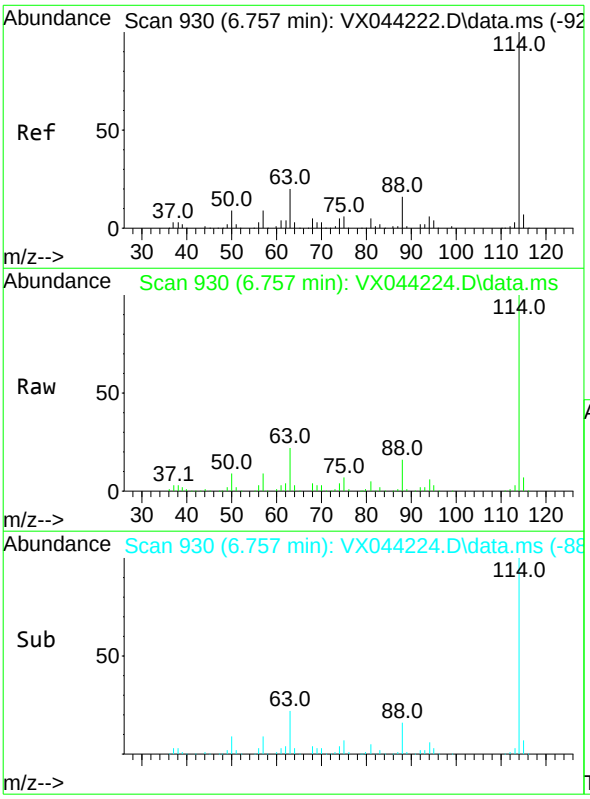
Supervised By :Mahesh Dadoda 12/12/2024

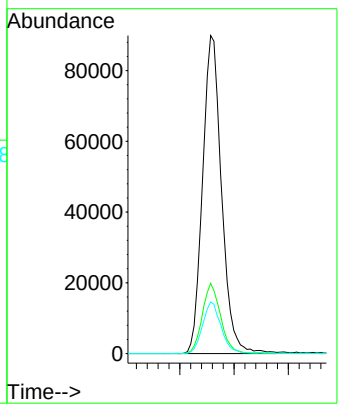


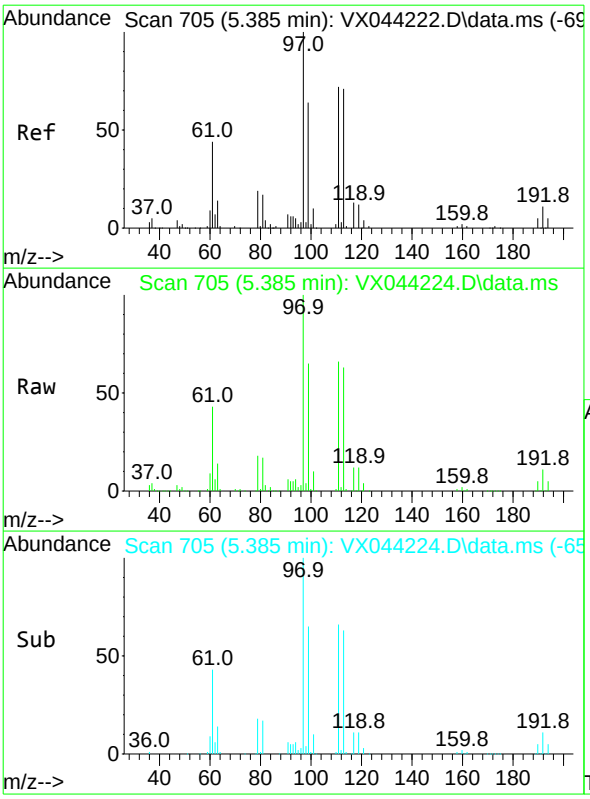


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:114 Resp: 218610

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	40.6
88	16.2	0.0	31.8





#35
Dibromofluoromethane
Concen: 153.188 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:113 Resp: 231937

Ion	Ratio	Lower	Upper
113	100		
111	103.1	80.4	120.6
192	17.0	13.3	19.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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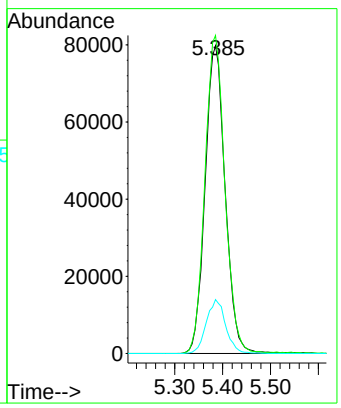
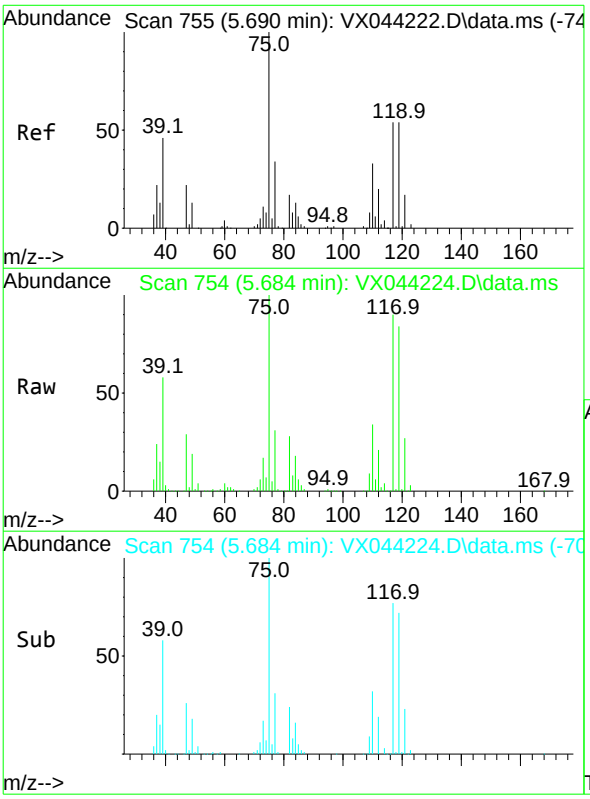
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

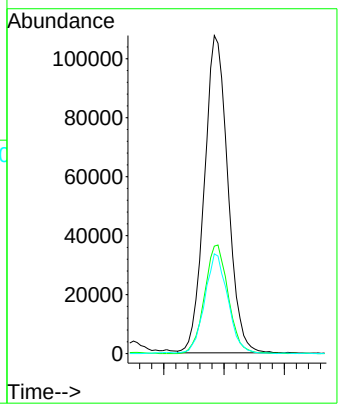


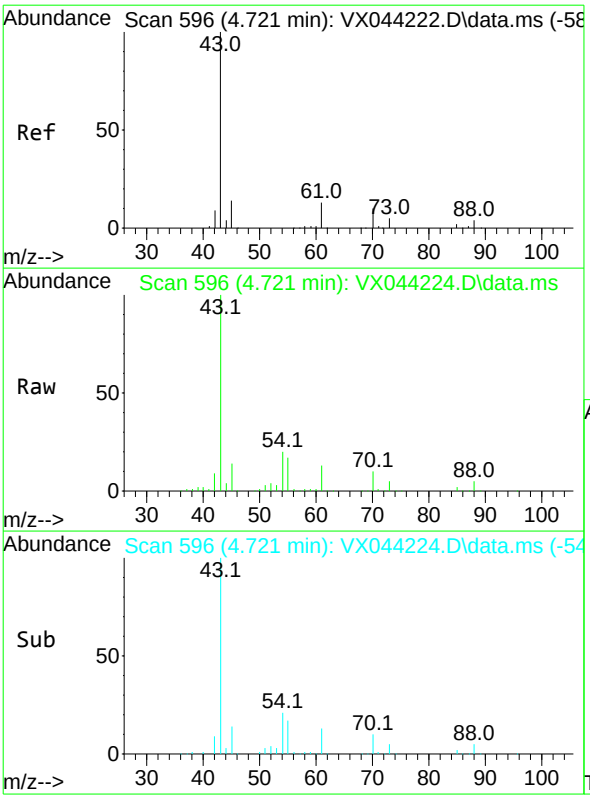


#36
1,1-Dichloropropene
Concen: 148.642 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 75 Resp: 290913

Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.3	51.7
77	31.1	25.4	38.0





#37
Ethyl Acetate
Concen: 155.731 ug/l
RT: 4.721 min Scan# 59
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 376757

Ion	Ratio	Lower	Upper
43	100		
61	13.2	9.8	14.8
70	9.6	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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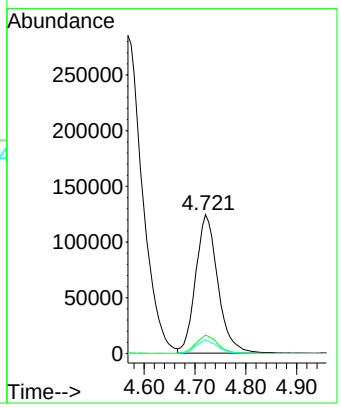
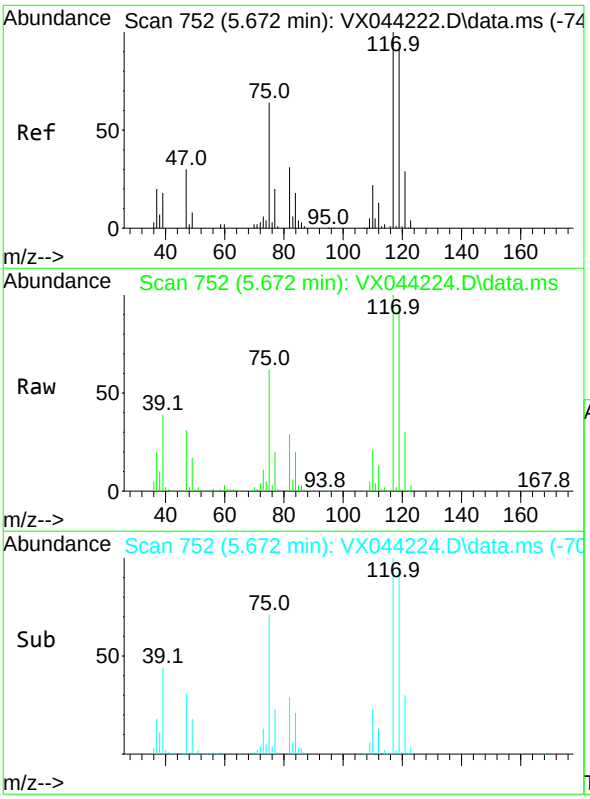
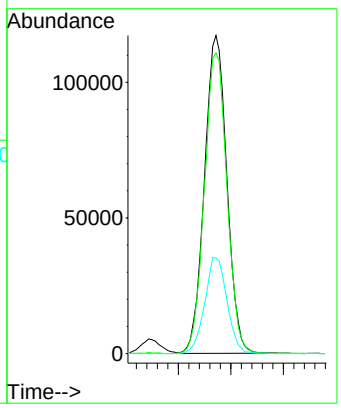


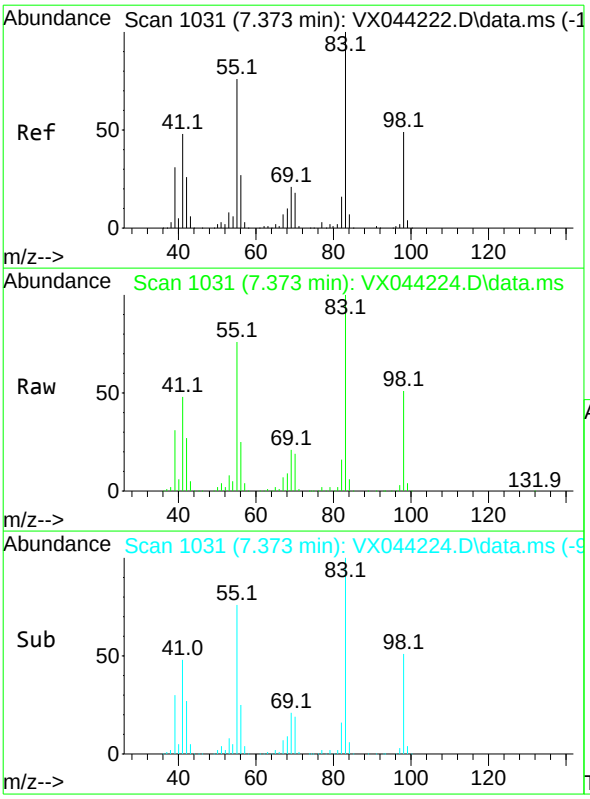


#38
Carbon Tetrachloride
Concen: 164.587 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:117 Resp: 346795

Ion	Ratio	Lower	Upper
117	100		
119	94.6	74.2	111.4
121	30.1	23.0	34.6





#39
Methylcyclohexane
Concen: 157.516 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 83 Resp: 368542

Ion	Ratio	Lower	Upper
83	100		
55	75.8	60.7	91.1
98	50.5	38.9	58.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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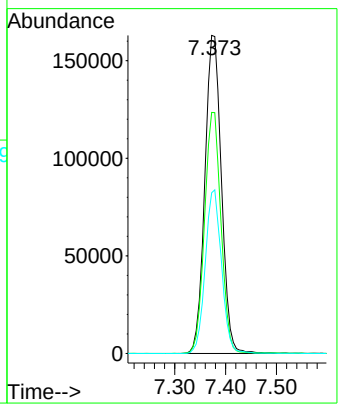
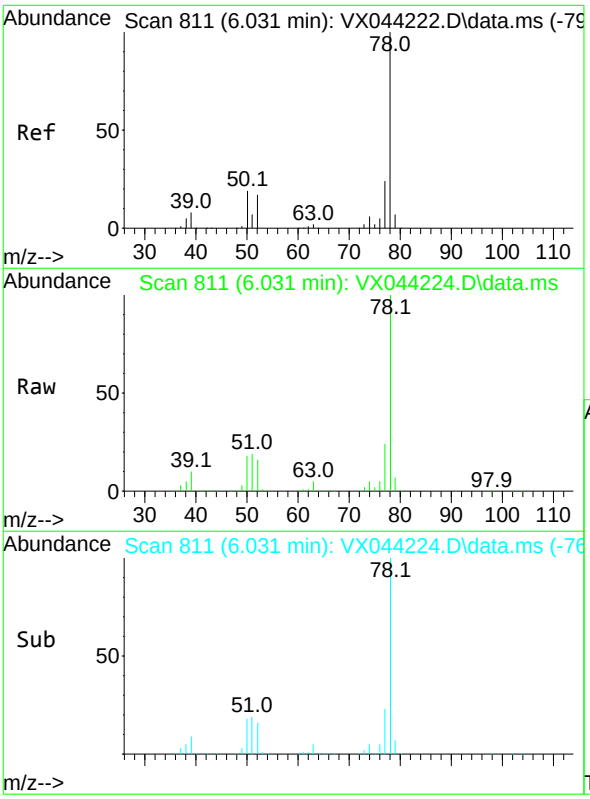
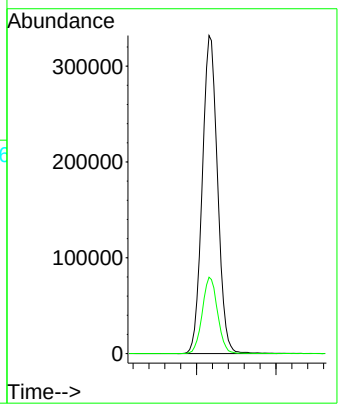


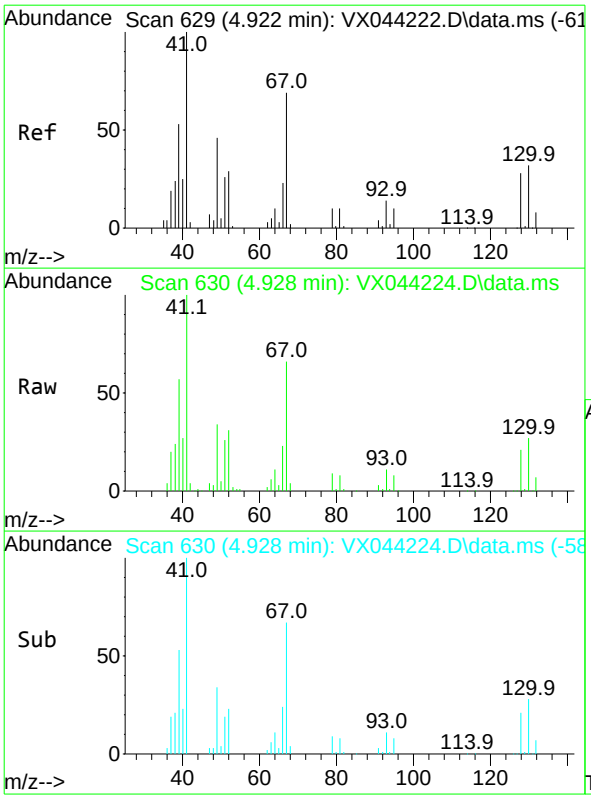


#40
Benzene
Concen: 149.340 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 78 Resp: 887413

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9

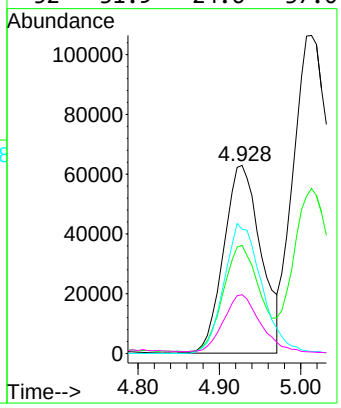




#41
Methacrylonitrile
Concen: 155.569 ug/l
RT: 4.928 min Scan# 63
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 41 Resp: 199851

Ion	Ratio	Lower	Upper
41	100		
39	54.5	44.2	66.4
67	70.2	57.2	85.8
52	31.9	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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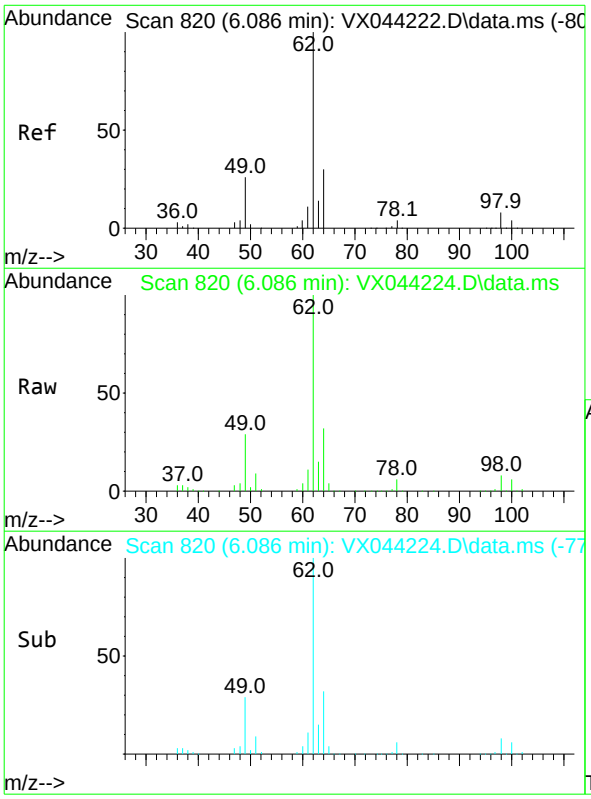
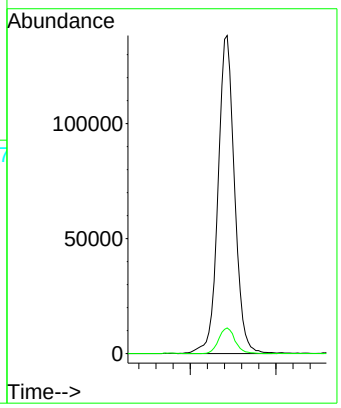
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

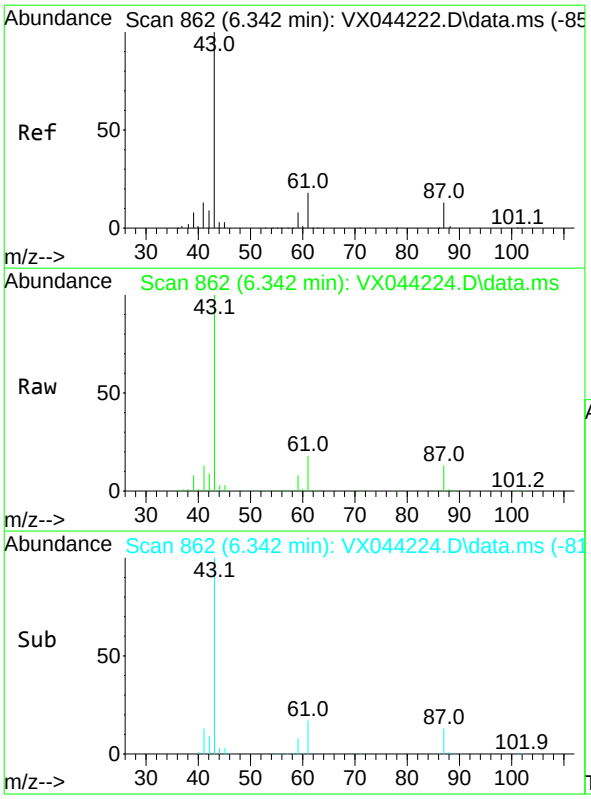


#42
1,2-Dichloroethane
Concen: 151.105 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 62 Resp: 369874

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.8





#43
Isopropyl Acetate
Concen: 163.200 ug/l
RT: 6.342 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 617107

Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.2	21.2
87	12.8	10.2	15.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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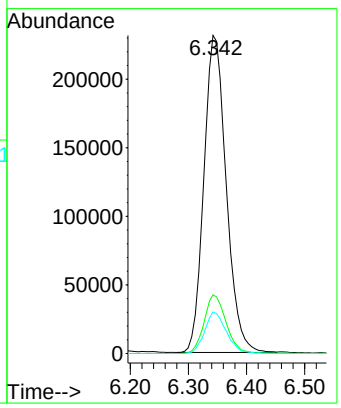
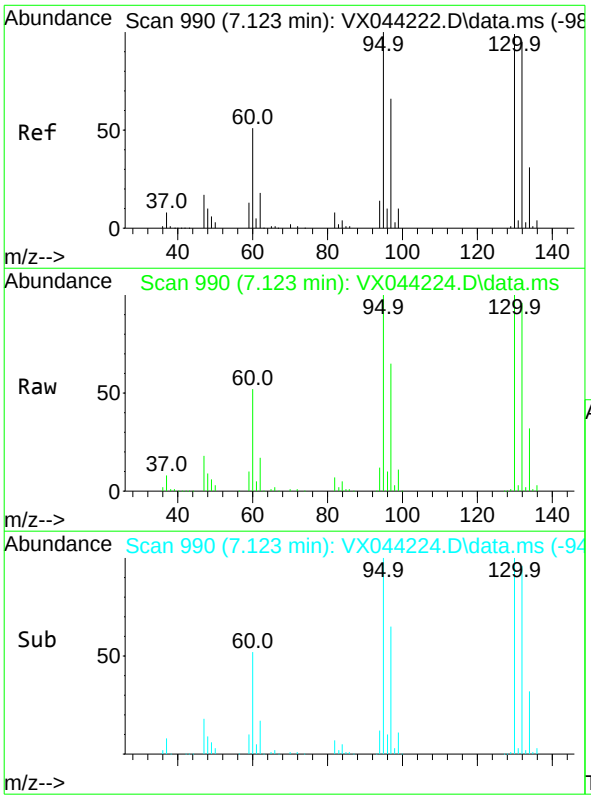
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

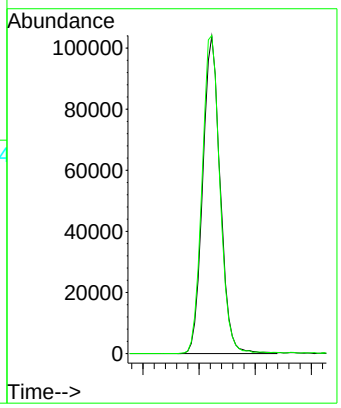


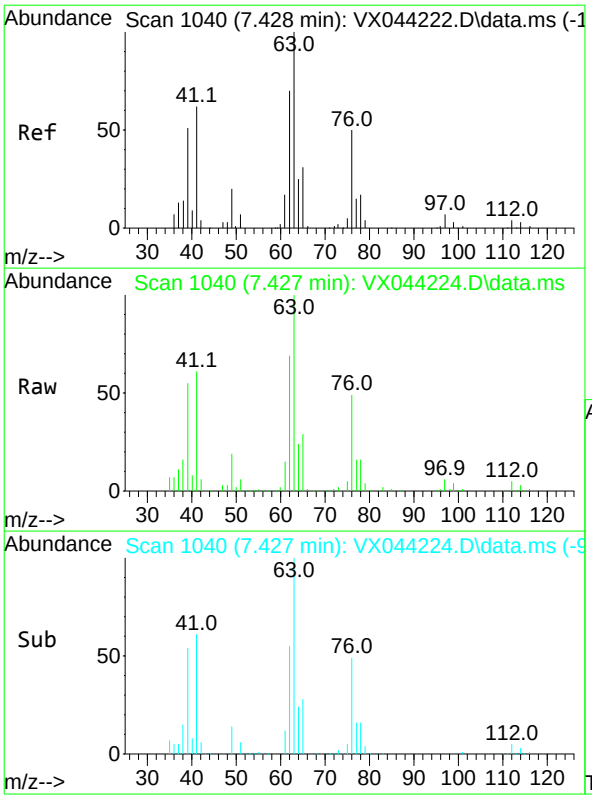


#44
Trichloroethene
Concen: 151.275 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:130 Resp: 224164

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	201.4





#45
1,2-Dichloropropane
Concen: 147.697 ug/l
RT: 7.427 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 63 Resp: 224224

Ion	Ratio	Lower	Upper
63	100		
65	28.8	24.6	37.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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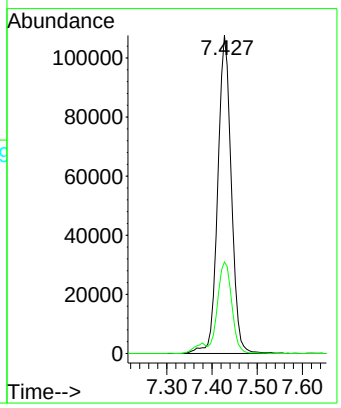
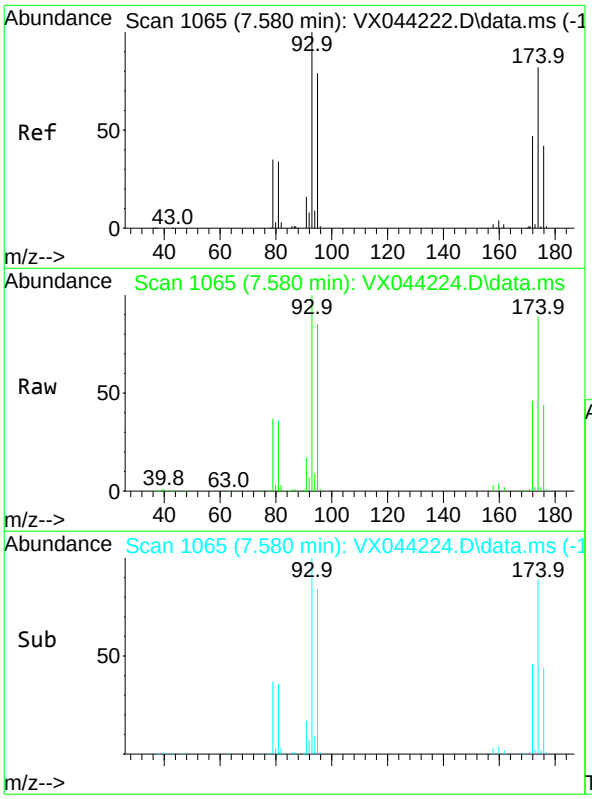
Supervised By :Mahesh Dadoda 12/12/2024

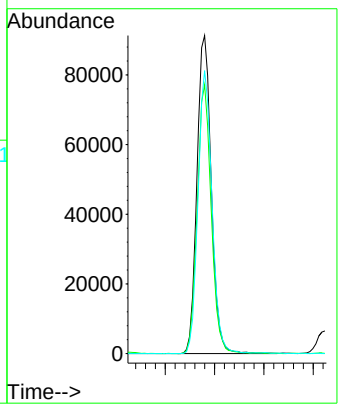


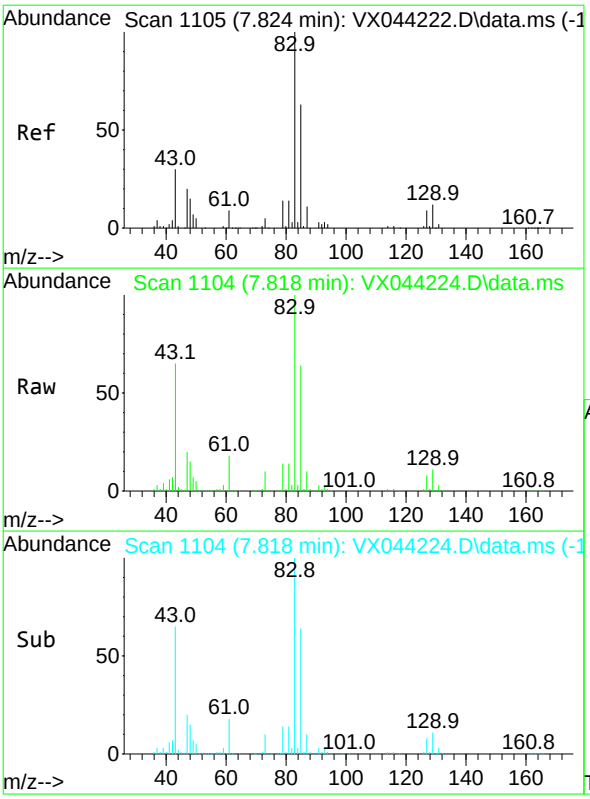


#46
Dibromomethane
Concen: 156.728 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 93 Resp: 184590

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.4	98.2
174	86.7	67.9	101.9





#47
Bromodichloromethane
Concen: 173.496 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 83 Resp: 352904

Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.6	75.8
127	8.1	7.3	10.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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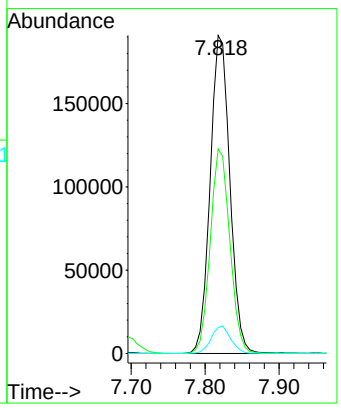
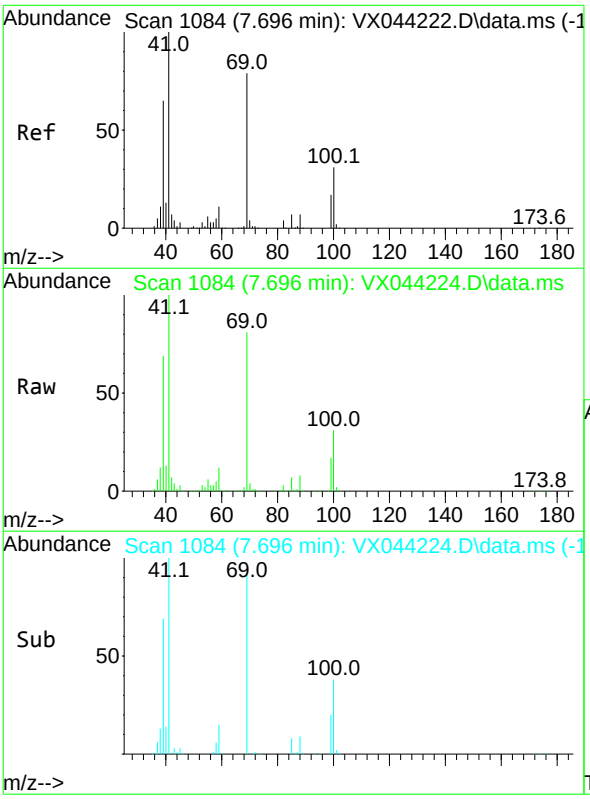
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

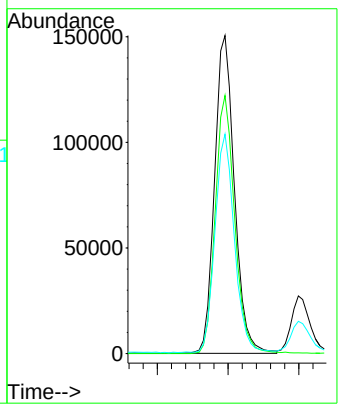


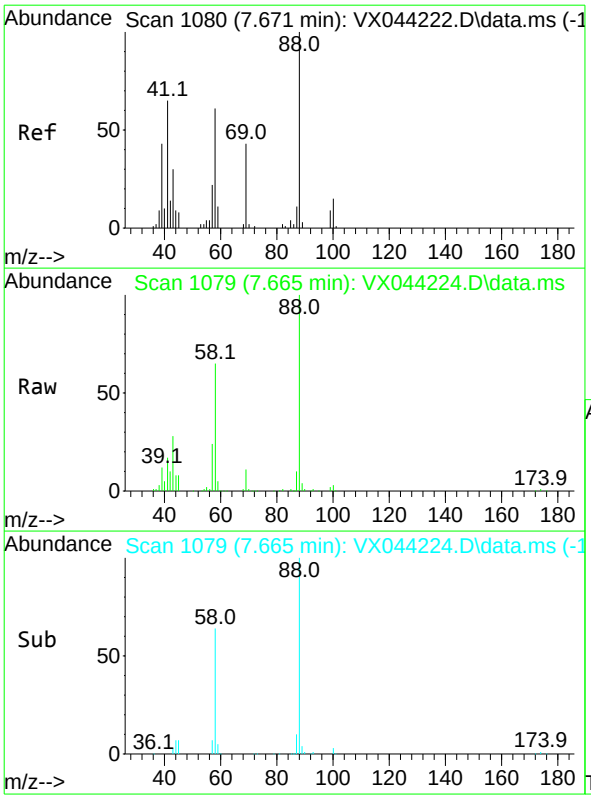


#48
Methyl methacrylate
Concen: 159.567 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 41 Resp: 292890

Ion	Ratio	Lower	Upper
41	100		
69	80.0	62.4	93.6
39	67.8	53.3	79.9





#49
1,4-Dioxane
Concen: 3221.248 ug/l m
RT: 7.665 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 88 Resp: 101048

Ion	Ratio	Lower	Upper
88	100		
43	35.1	27.1	40.7
58	69.6	41.0	61.4#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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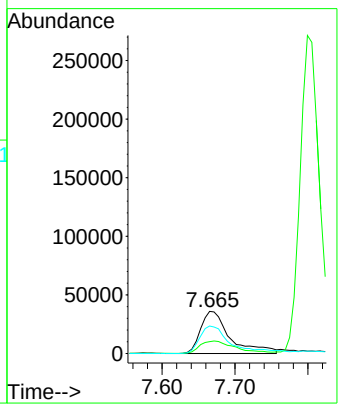
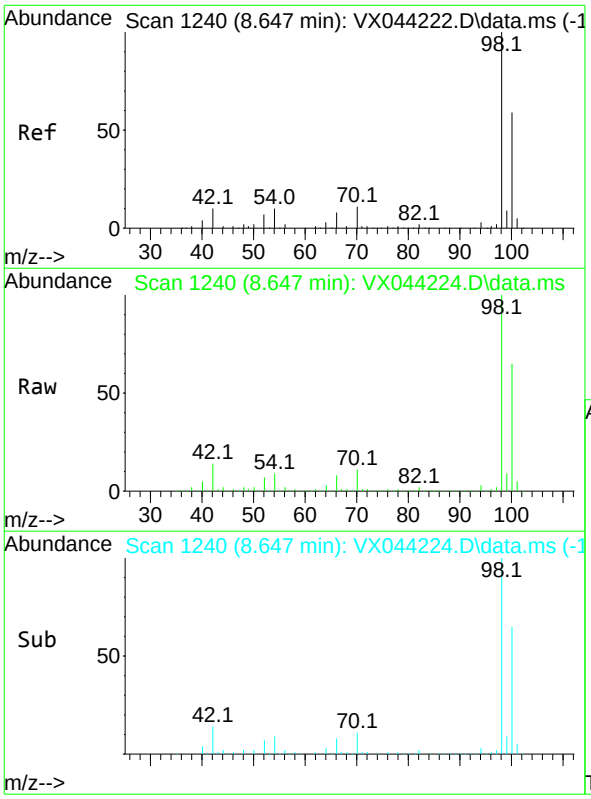
Supervised By :Mahesh Dadoda 12/12/2024

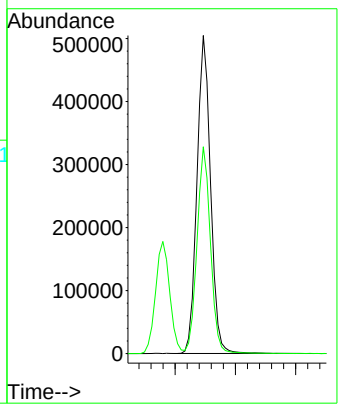


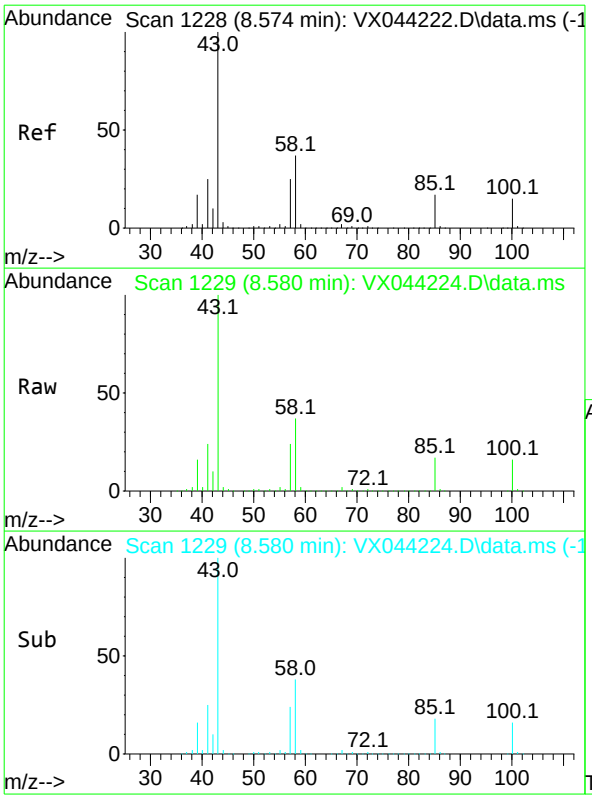


#50
Toluene-d8
Concen: 154.438 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 98 Resp: 788876

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3





#51
4-Methyl-2-Pentanone
Concen: 784.573 ug/l
RT: 8.580 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 1907523

Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.4	44.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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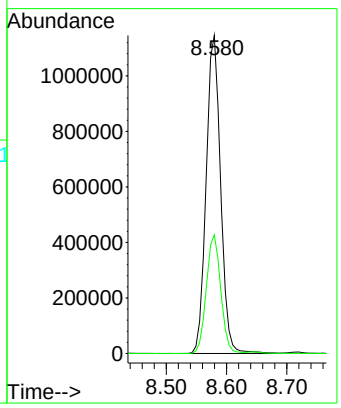
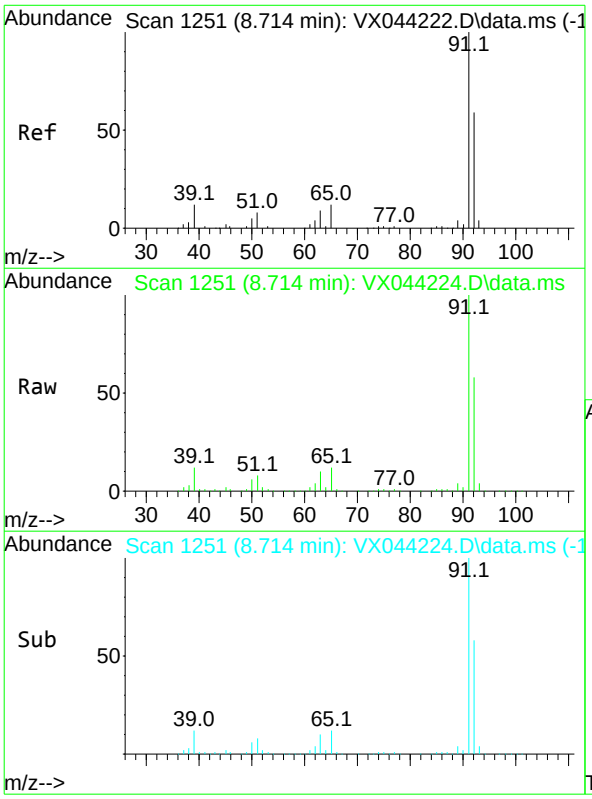
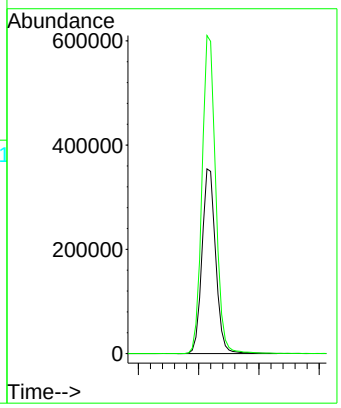


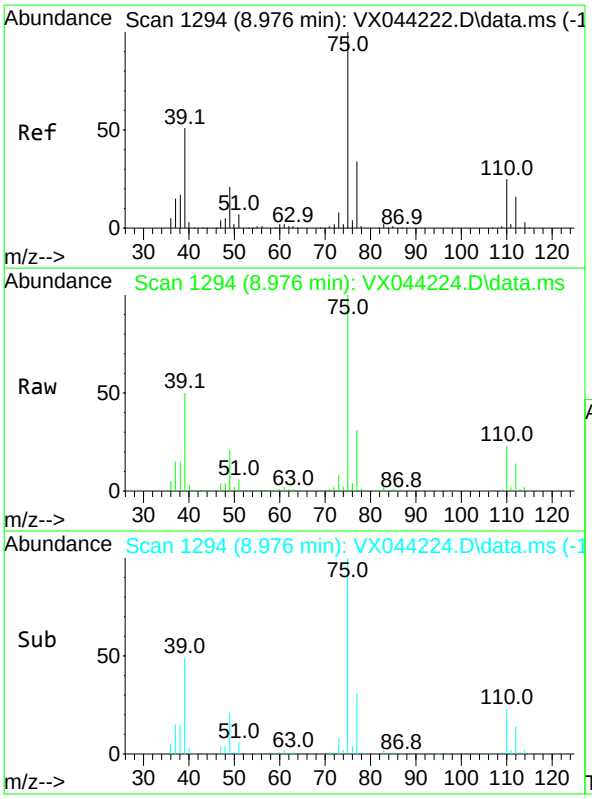


#52
Toluene
Concen: 149.294 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 92 Resp: 557102

Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.0	205.6





#53
t-1,3-Dichloropropene
Concen: 150.167 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 75 Resp: 366275

Ion	Ratio	Lower	Upper
75	100		
77	31.1	27.2	40.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 12/12/2024
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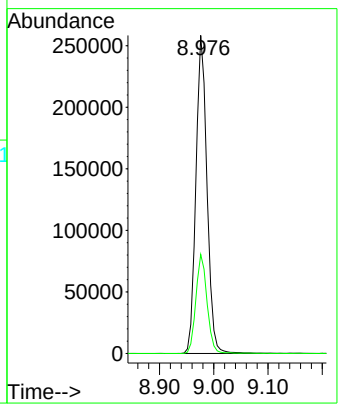
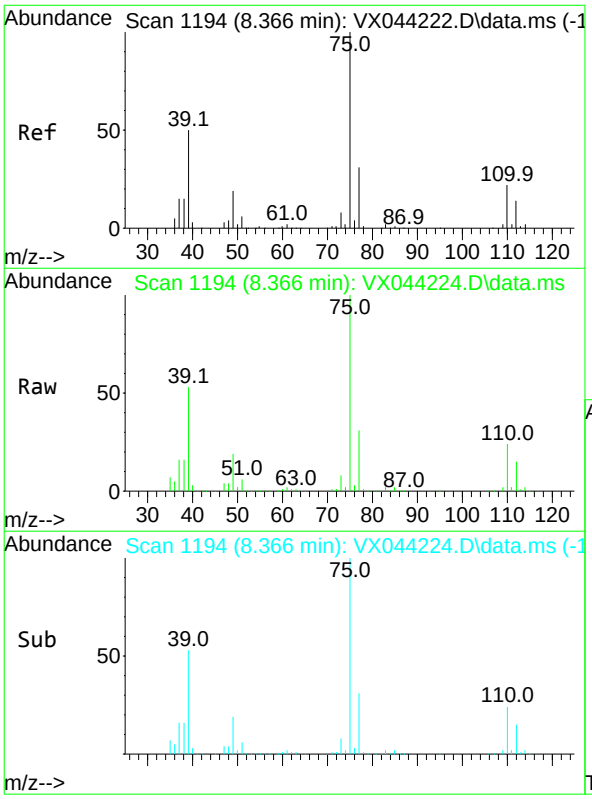
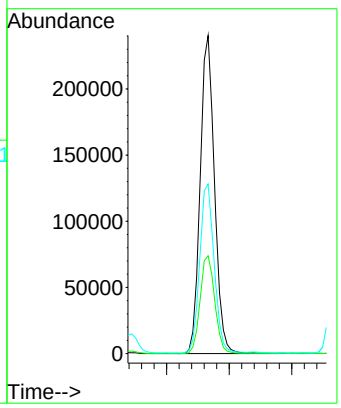


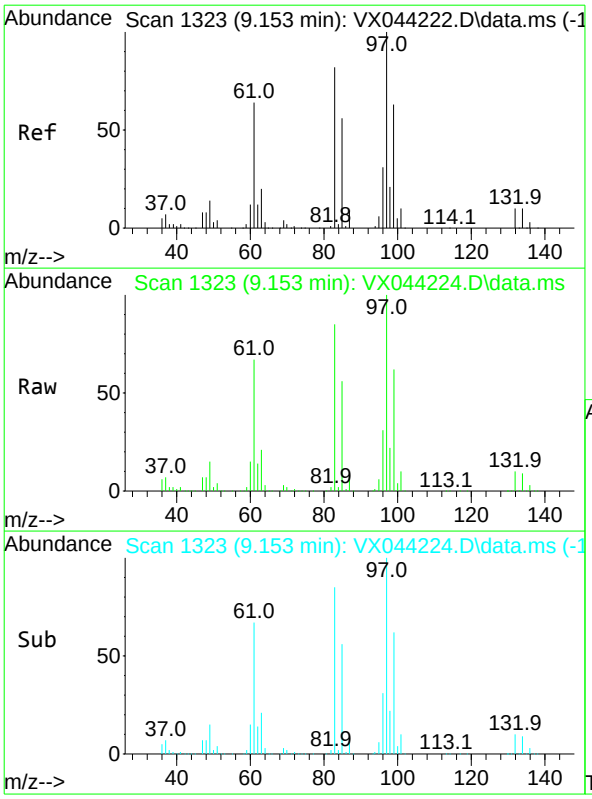


#54
cis-1,3-Dichloropropene
Concen: 172.581 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 75 Resp: 382226

Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.7	37.1
39	53.1	40.3	60.5





#55
1,1,2-Trichloroethane
Concen: 150.202 ug/l
RT: 9.153 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 97 Resp: 222665

Ion	Ratio	Lower	Upper
97	100		
83	85.5	65.3	97.9
85	55.5	44.6	67.0
99	62.3	50.2	75.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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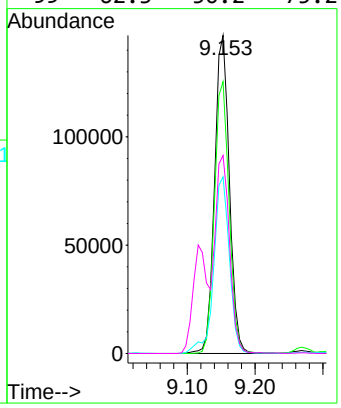
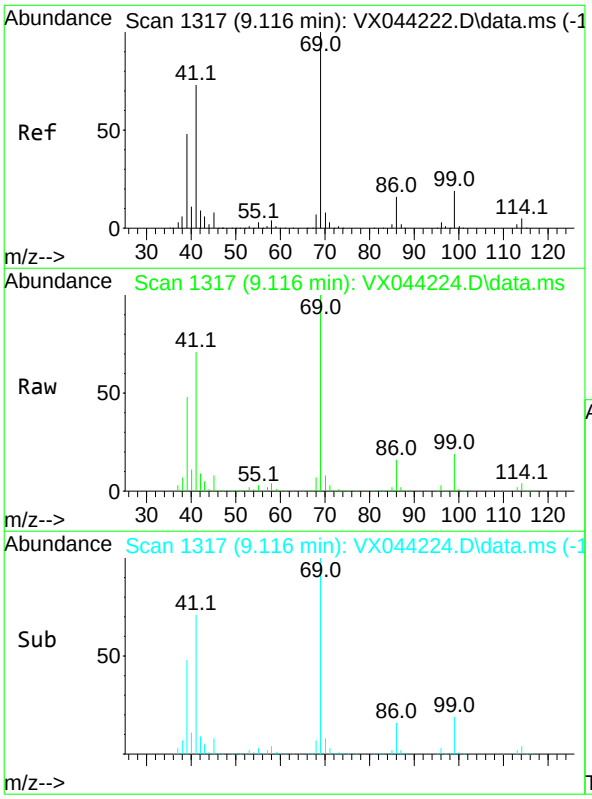
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

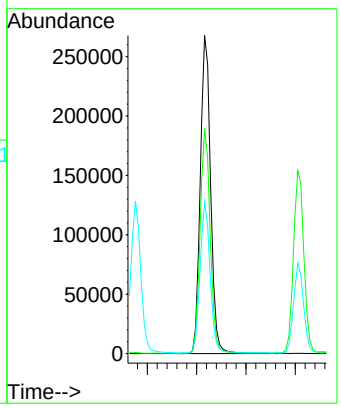


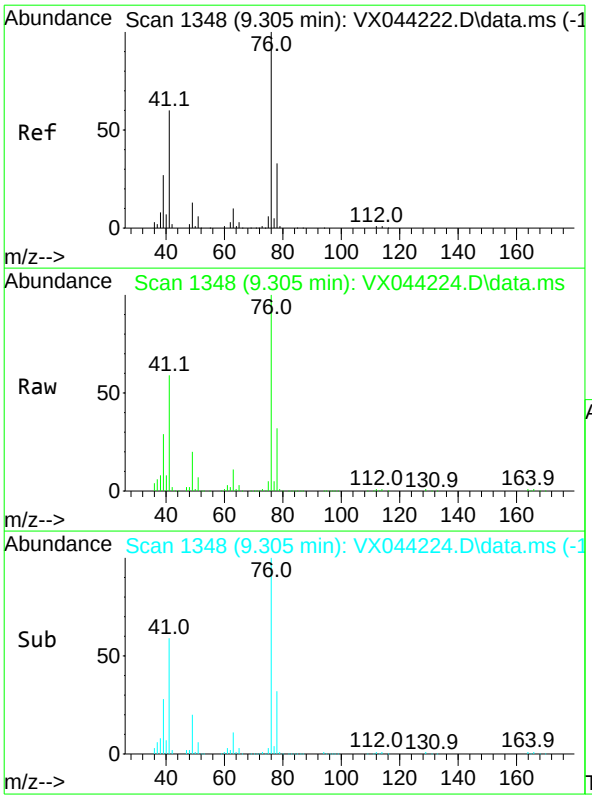


#56
Ethyl methacrylate
Concen: 166.289 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 69 Resp: 389165

Ion	Ratio	Lower	Upper
69	100		
41	69.4	56.6	85.0
39	46.2	37.4	56.0





#57
1,3-Dichloropropane
Concen: 150.014 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 76 Resp: 387086

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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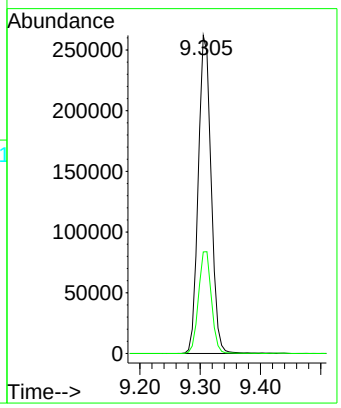
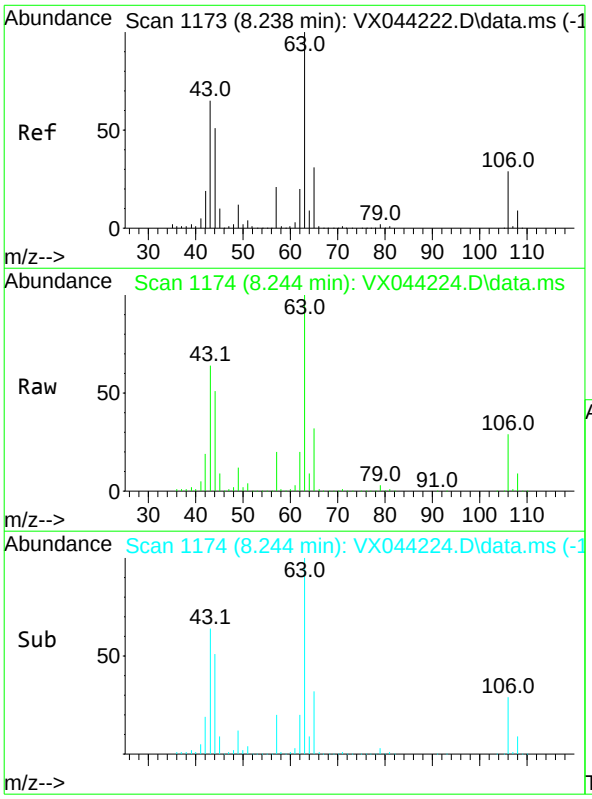
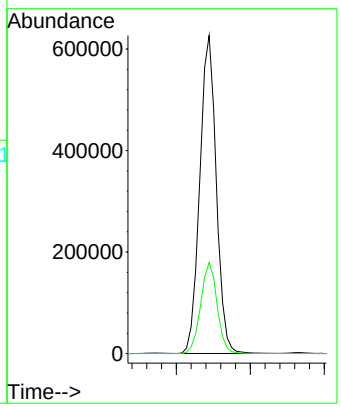


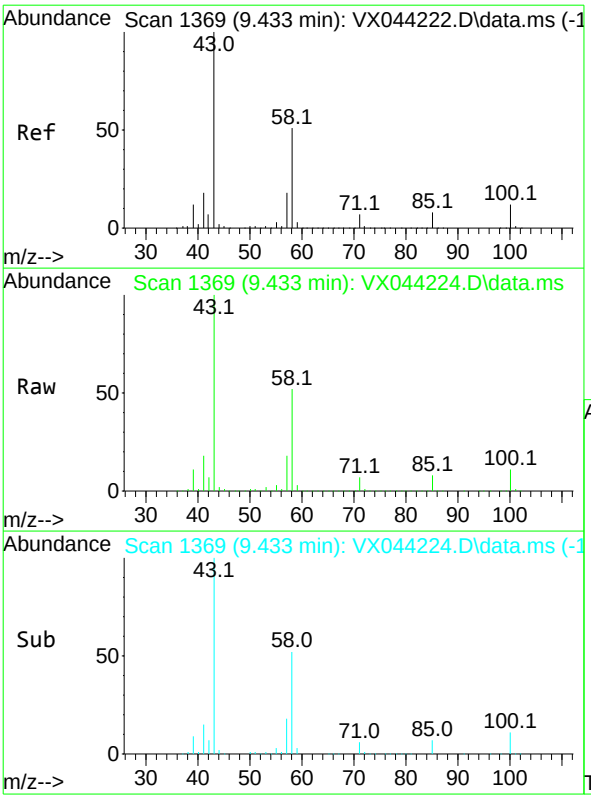


#58
2-Chloroethyl Vinyl ether
Concen: 822.575 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 63 Resp: 970949

Ion	Ratio	Lower	Upper
63	100		
106	28.5	22.8	34.2





#59
2-Hexanone
Concen: 816.161 ug/l
RT: 9.433 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 1436300

Ion	Ratio	Lower	Upper
43	100		
58	52.0	25.7	77.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 12/12/2024
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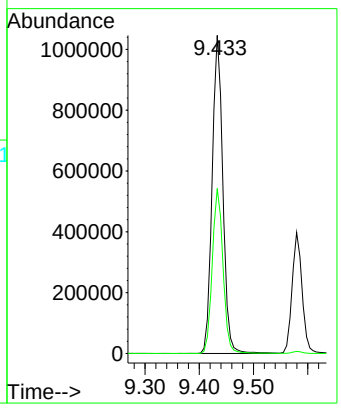
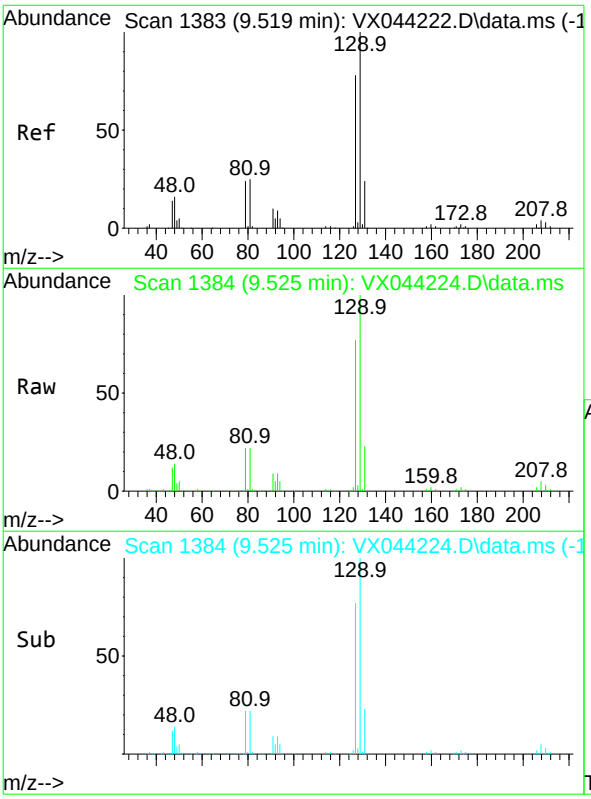
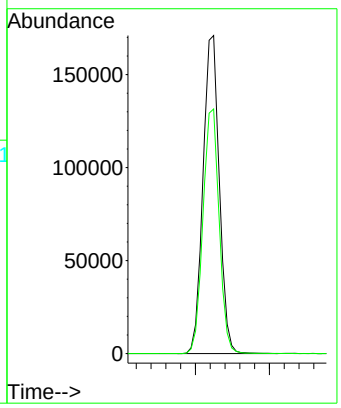


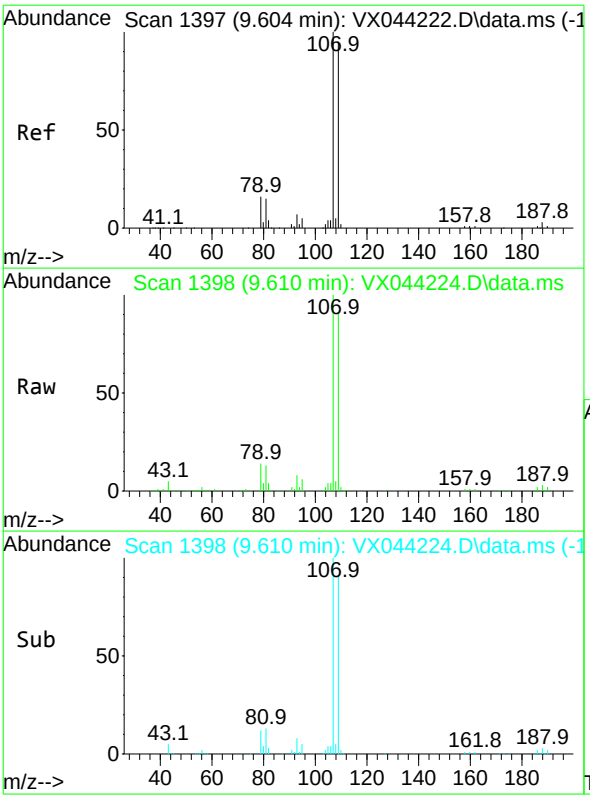


#60
Dibromochloromethane
Concen: 150.105 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:129 Resp: 261253

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.5	115.3





#61
1,2-Dibromoethane
Concen: 160.674 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:107 Resp: 242451

Ion	Ratio	Lower	Upper
107	100		
109	93.4	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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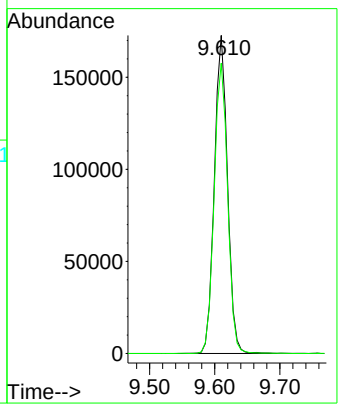
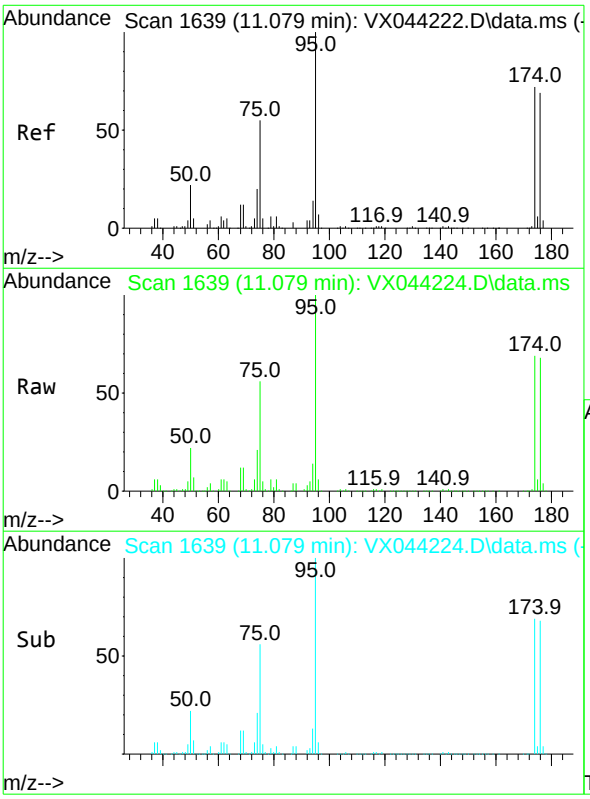
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

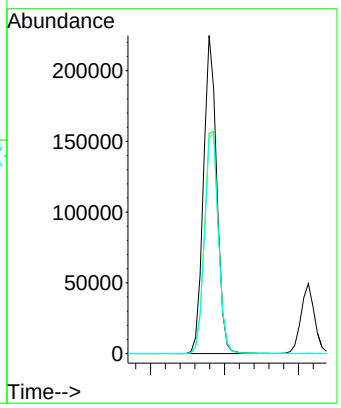


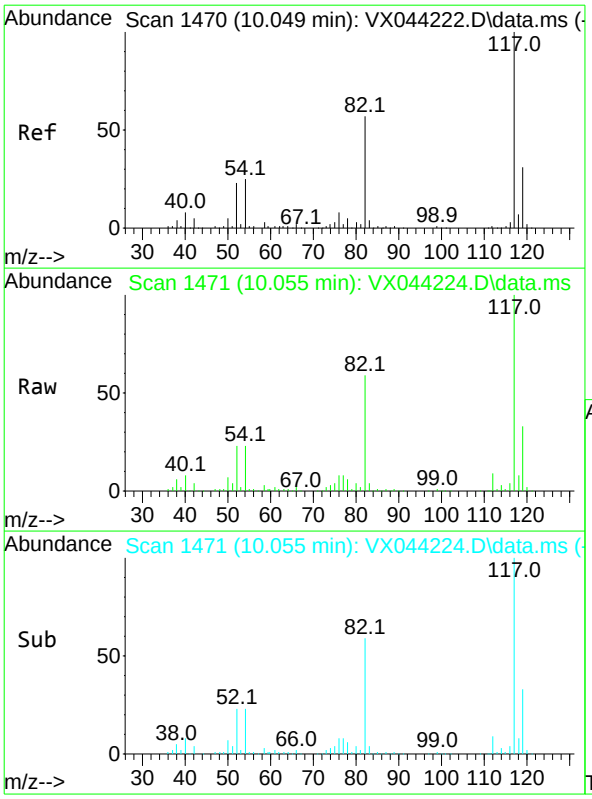


#62
4-Bromofluorobenzene
Concen: 156.709 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 95 Resp: 279706

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	145.8
176	72.6	0.0	137.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

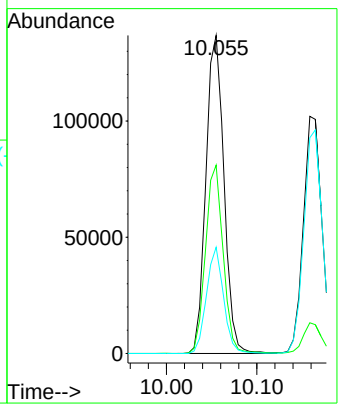
Tgt Ion:117 Resp: 190013

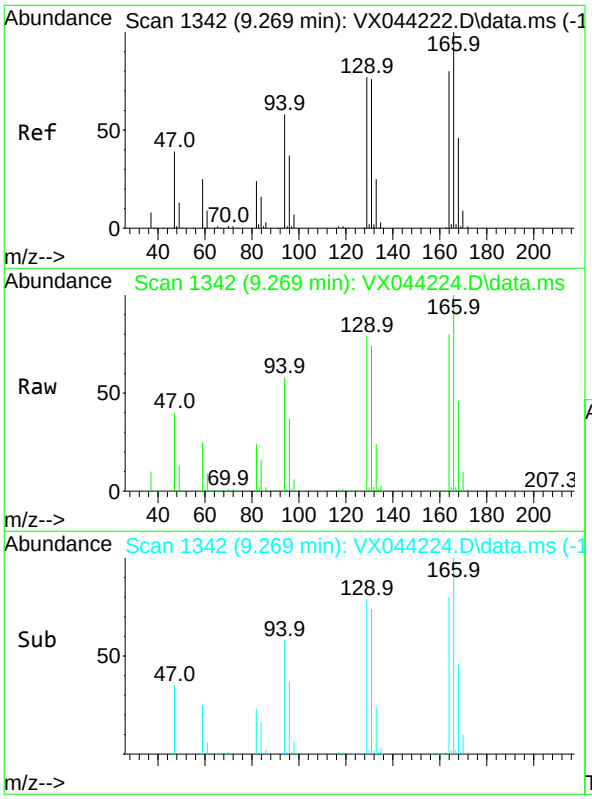
Ion	Ratio	Lower	Upper
117	100		
82	59.2	45.8	68.8
119	33.4	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

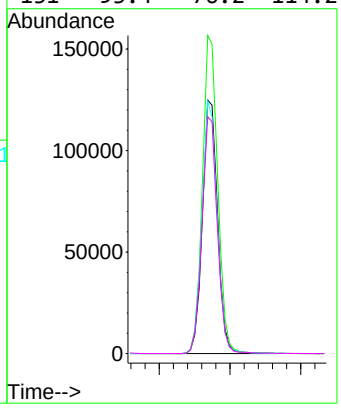


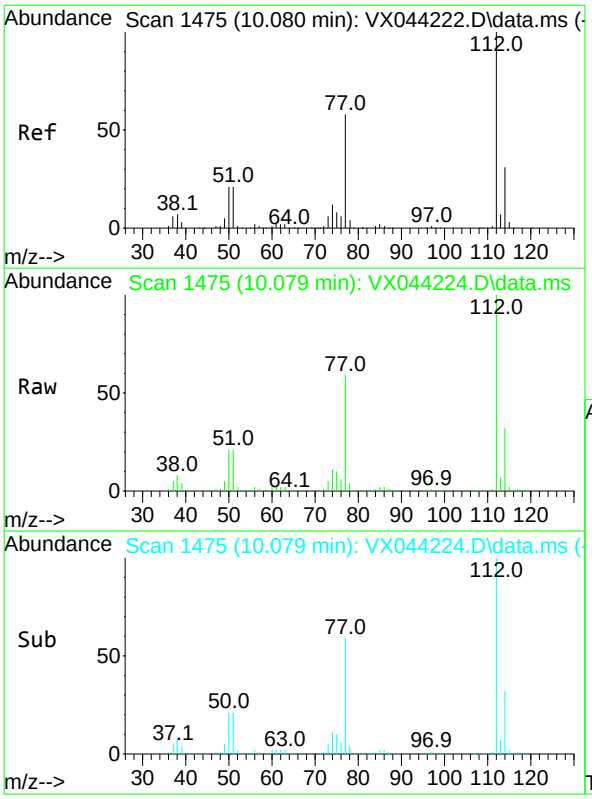


#64
Tetrachloroethene
Concen: 147.836 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:164 Resp: 186443

Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.4	150.6
129	99.7	77.2	115.8
131	93.4	76.2	114.2





#65
Chlorobenzene
Concen: 149.428 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:112 Resp: 608404

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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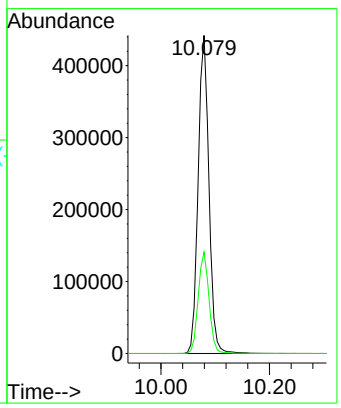
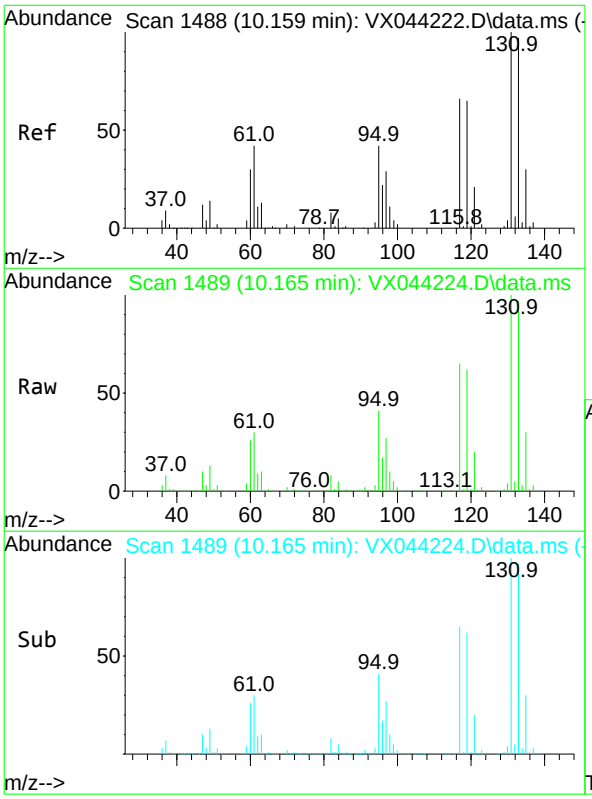
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

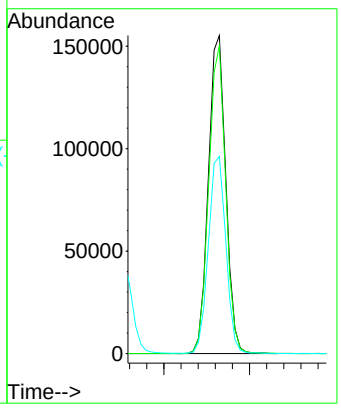


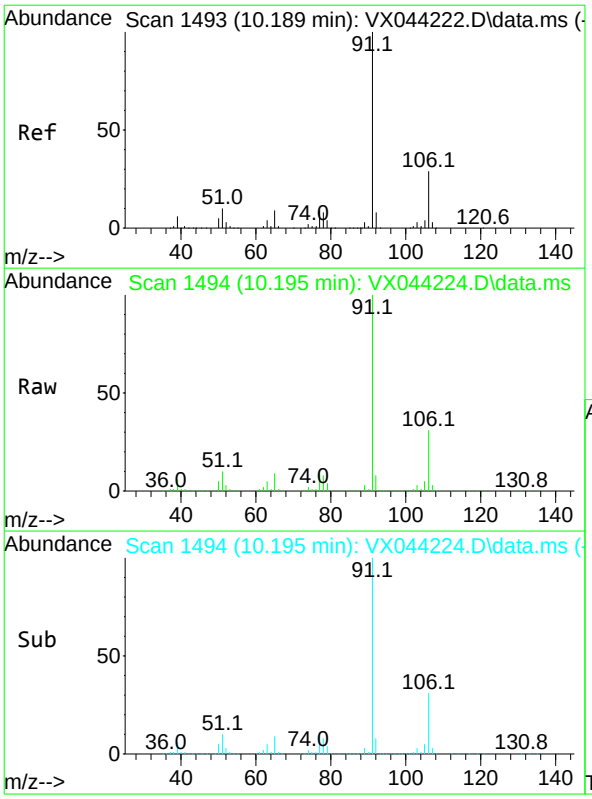


#66
1,1,1,2-Tetrachloroethane
Concen: 166.991 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:131 Resp: 218515

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.3	141.8
119	62.7	31.6	95.0





#67
Ethyl Benzene
Concen: 151.917 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 91 Resp: 1068736

Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.5	35.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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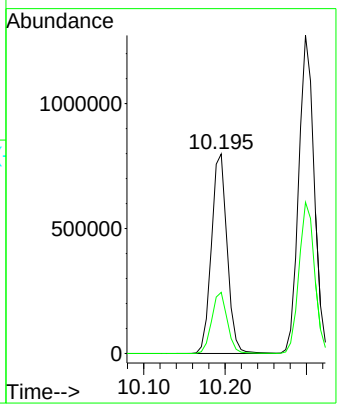
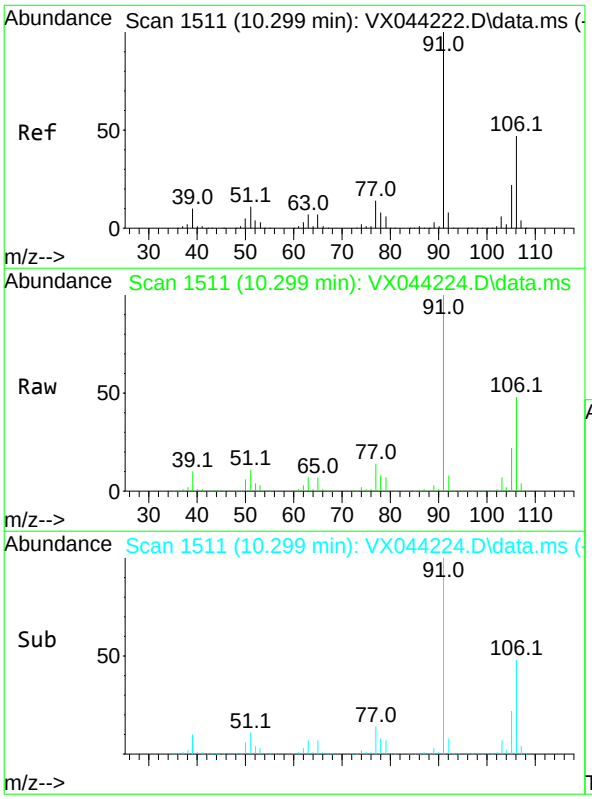
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

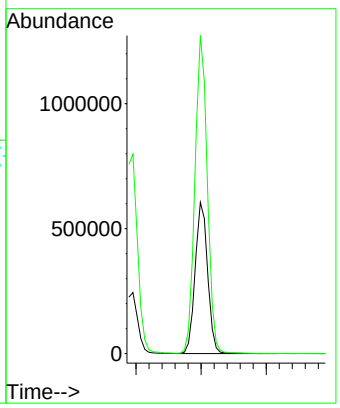


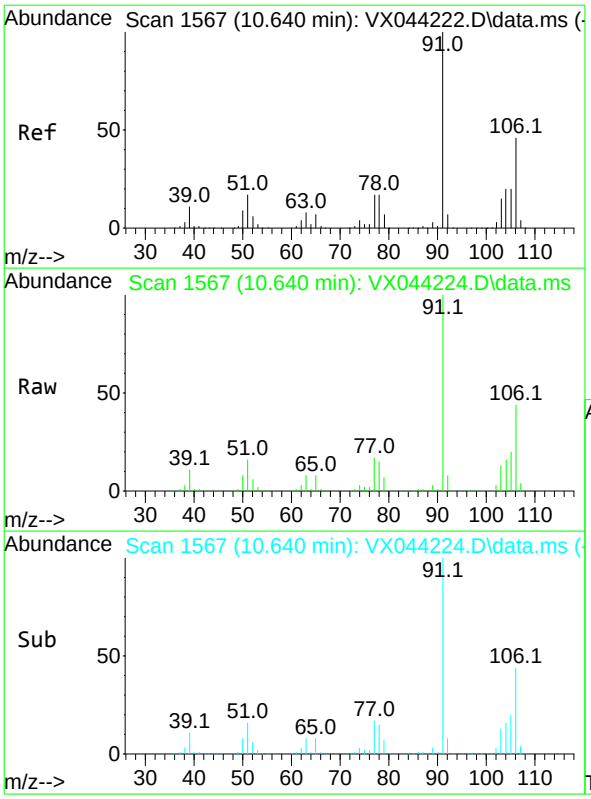


#68
m/p-Xylenes
Concen: 312.254 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:106 Resp: 806058

Ion	Ratio	Lower	Upper
106	100		
91	208.8	170.2	255.2





#69
o-Xylene
Concen: 152.030 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:106 Resp: 397084

Ion	Ratio	Lower	Upper
106	100		
91	221.5	112.3	337.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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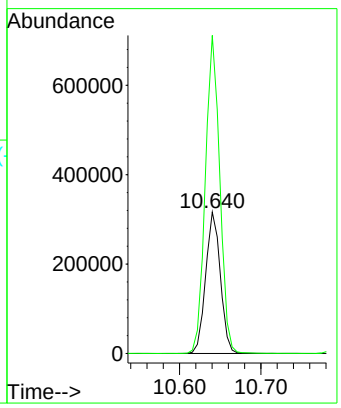
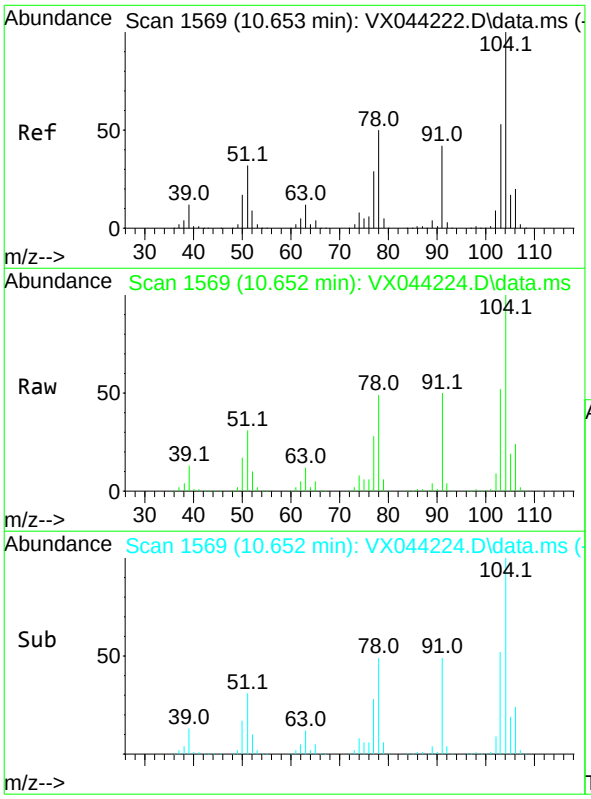
Supervised By :Mahesh Dadoda 12/12/2024

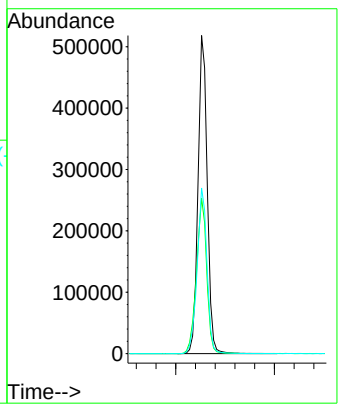


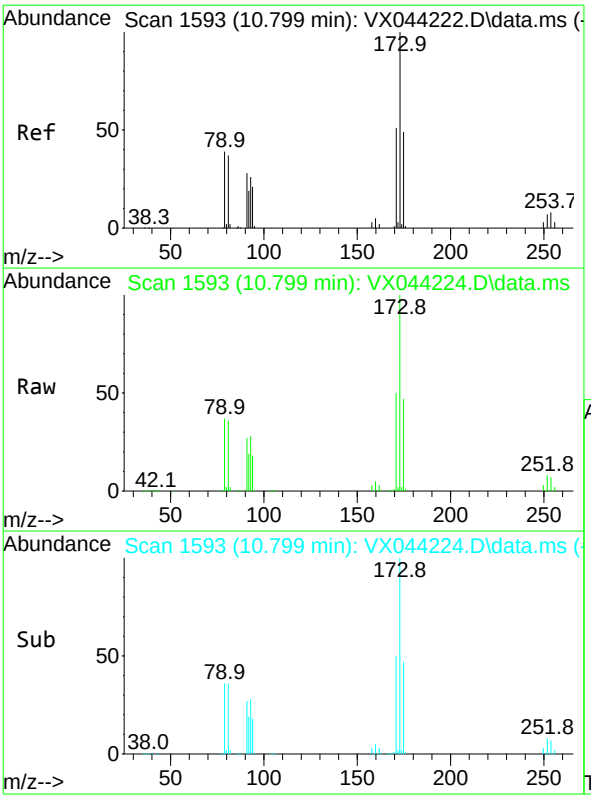


#70
Styrene
Concen: 160.228 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:104 Resp: 670887

Ion	Ratio	Lower	Upper
104	100		
78	54.2	44.6	67.0
103	55.9	45.4	68.0





#71
Bromoform
Concen: 150.034 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:173 Resp: 169450

Ion	Ratio	Lower	Upper
173	100		
175	46.8	23.8	71.4
254	0.1	0.0	0.0#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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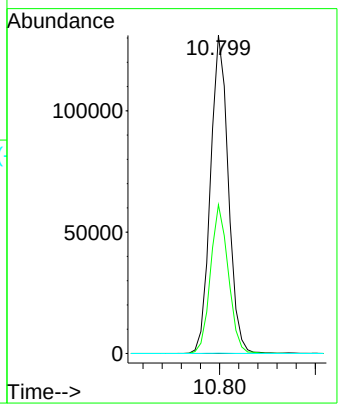
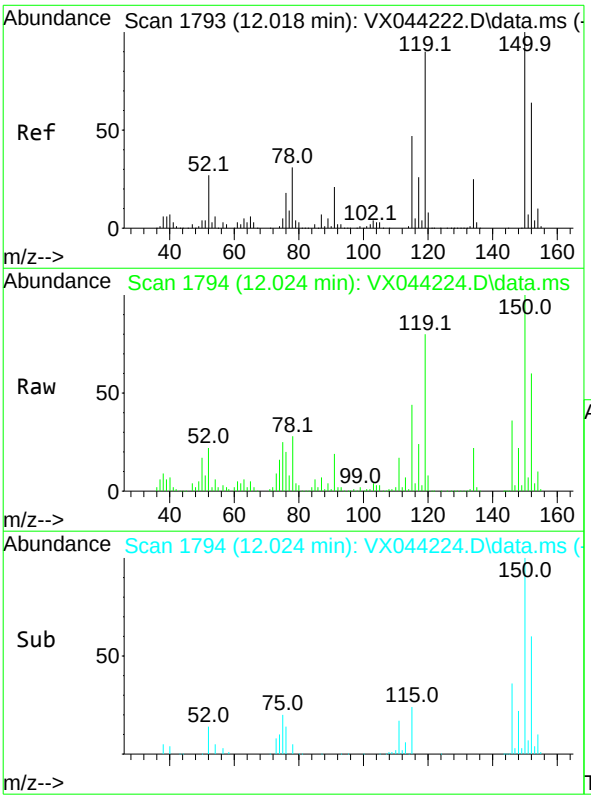
Supervised By :Mahesh Dadoda 12/12/2024

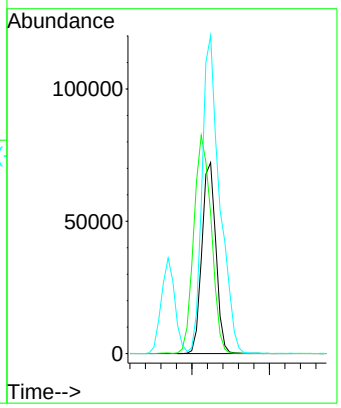


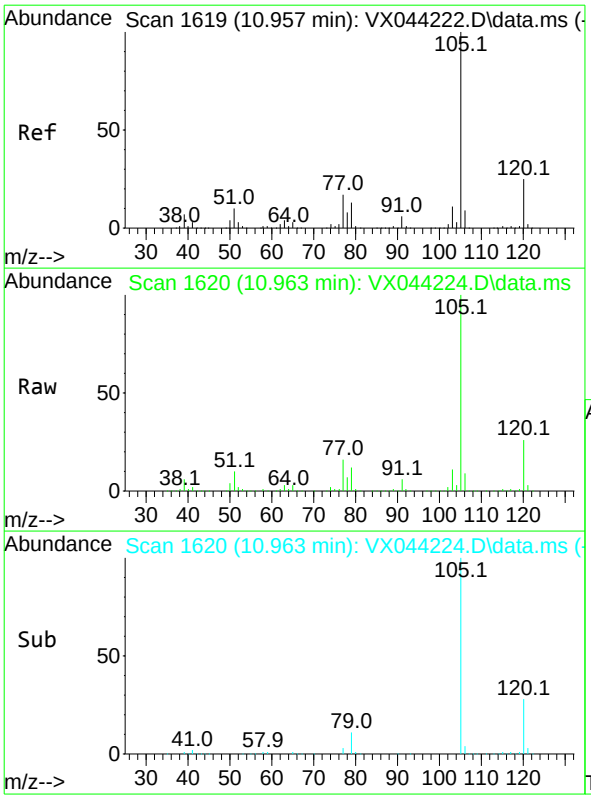


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:152 Resp: 90898

Ion	Ratio	Lower	Upper
152	100		
115	142.2	44.5	133.3#
150	208.8	0.0	353.8





#73
Isopropylbenzene
Concen: 146.832 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:105 Resp: 1021749

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.1	39.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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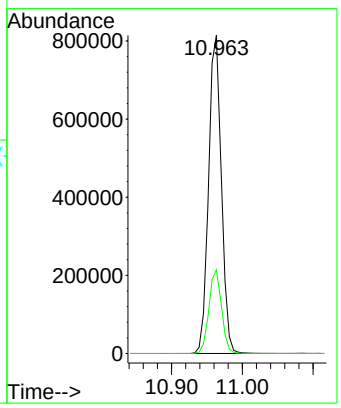
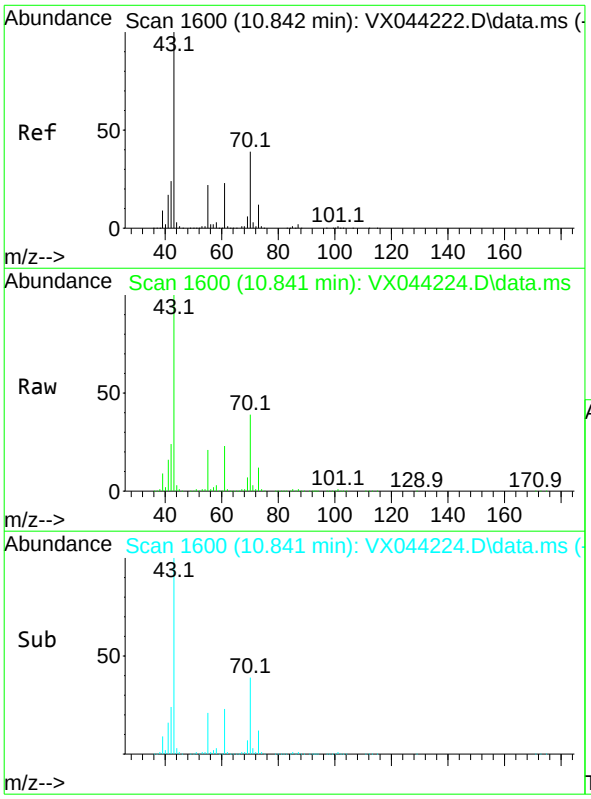
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

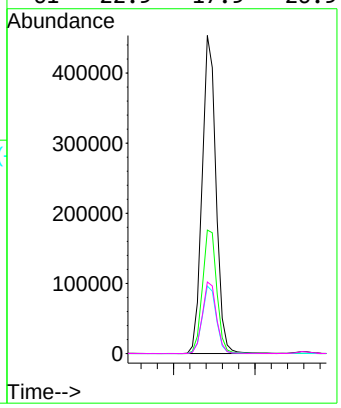


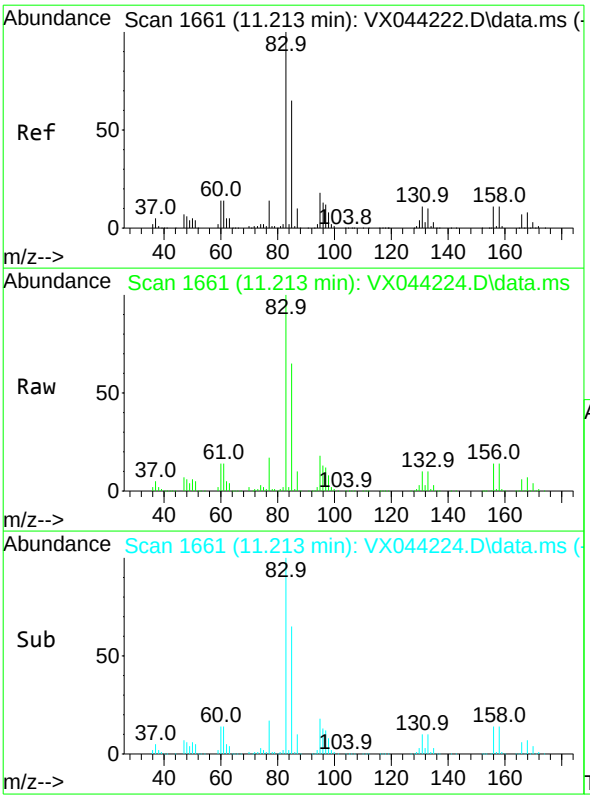


#74
N-amyl acetate
Concen: 166.823 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 536496

Ion	Ratio	Lower	Upper
43	100		
70	40.3	31.9	47.9
55	21.6	17.9	26.9
61	22.9	17.9	26.9





#75
1,1,2,2-Tetrachloroethane
Concen: 145.883 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 83 Resp: 352591

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.4
85	64.4	32.5	97.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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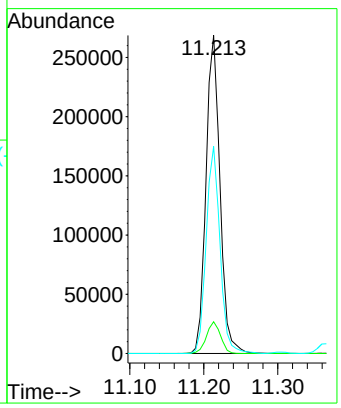
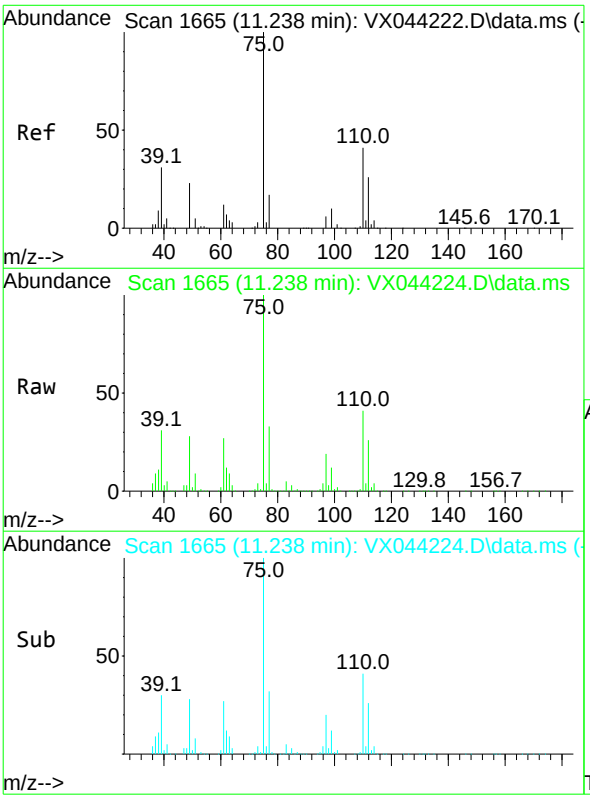
Supervised By :Mahesh Dadoda 12/12/2024

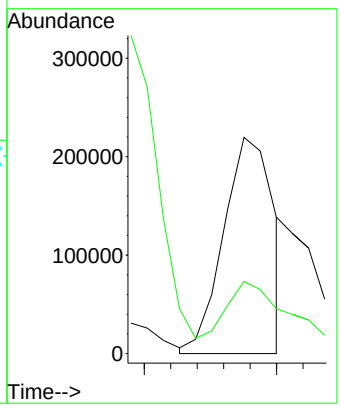


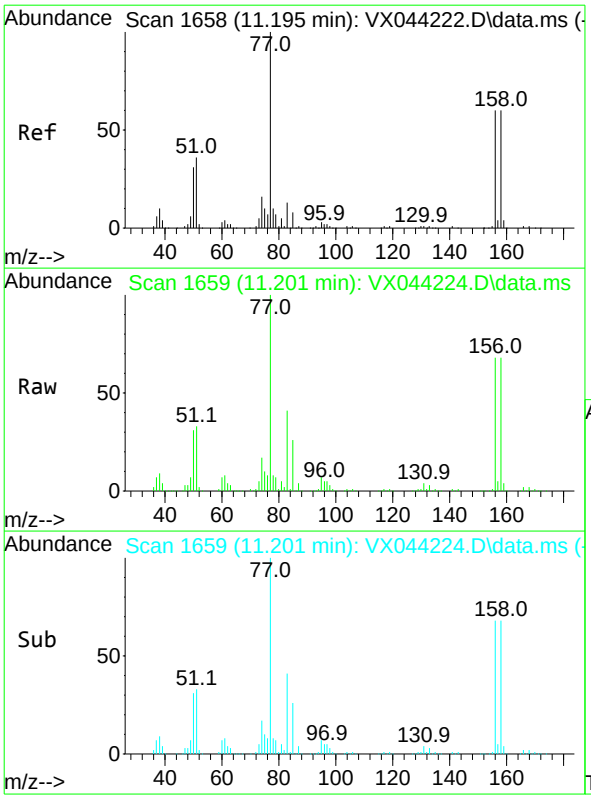


#76
1,2,3-Trichloropropane
Concen: 139.434 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 75 Resp: 287602

Ion	Ratio	Lower	Upper
75	100		
77	45.2	20.9	62.7





#77
Bromobenzene
Concen: 144.584 ug/l
RT: 11.201 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:156 Resp: 243975

Ion	Ratio	Lower	Upper
156	100		
77	165.5	82.6	247.8
158	98.2	48.8	146.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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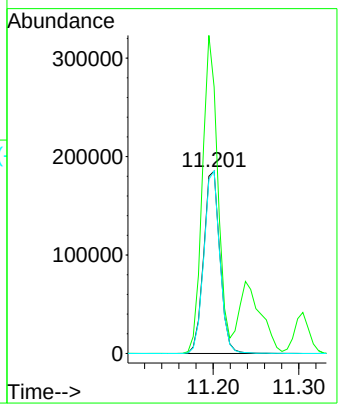
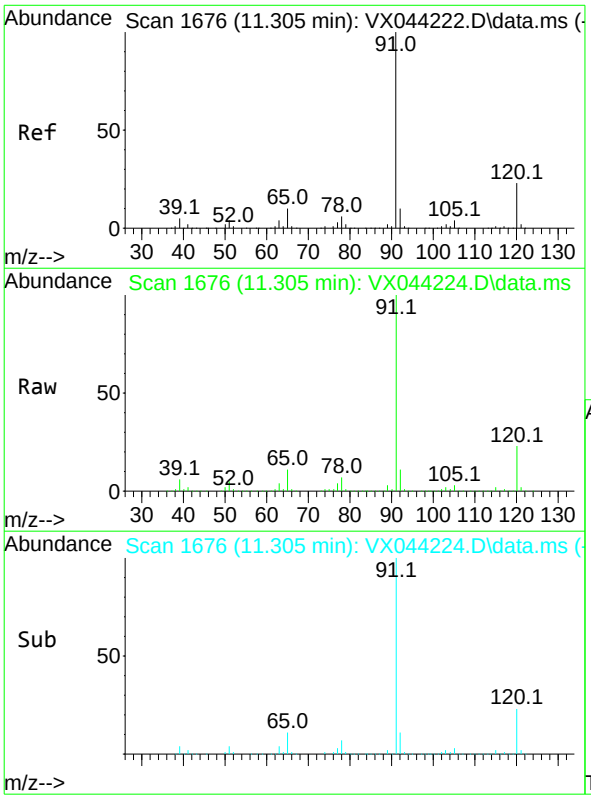
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

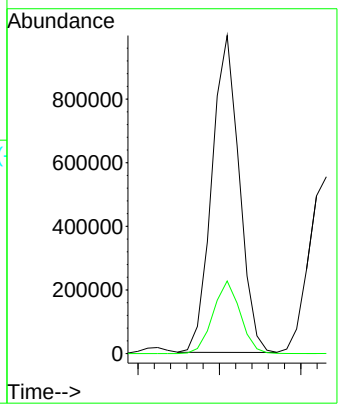


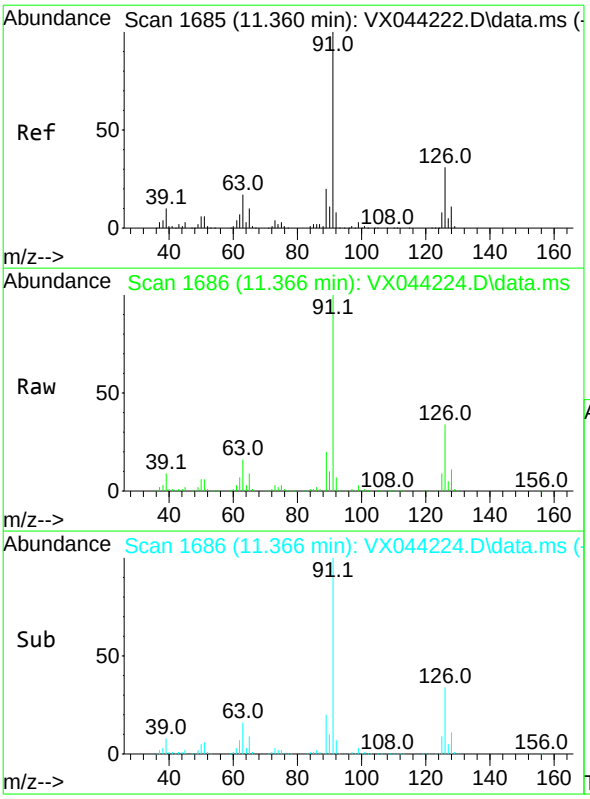


#78
n-propylbenzene
Concen: 151.637 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 91 Resp: 1166255

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.0	33.0





#79
2-Chlorotoluene
Concen: 140.866 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 91 Resp: 700673

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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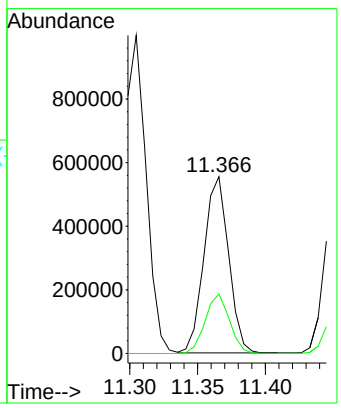
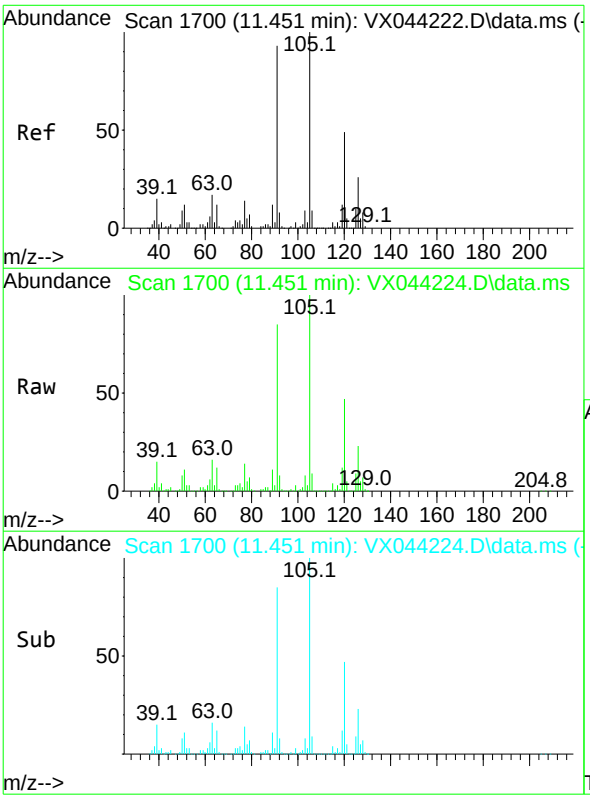
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

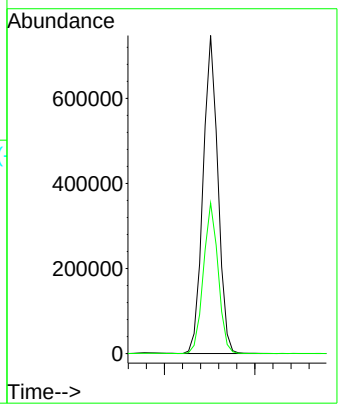


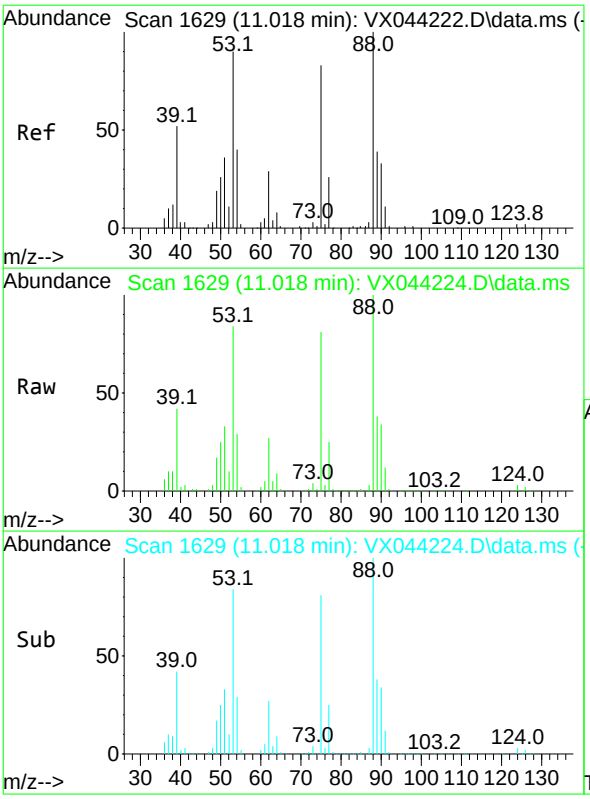


#80
1,3,5-Trimethylbenzene
Concen: 147.824 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:105 Resp: 853042

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.8	71.4





#81
trans-1,4-Dichloro-2-butene
Concen: 152.670 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

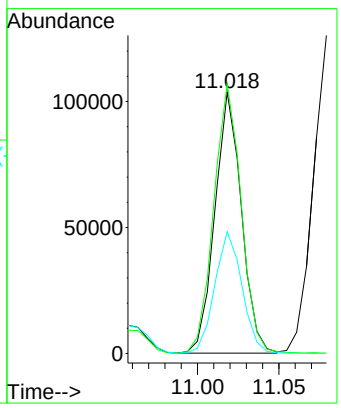
Tgt Ion: 75 Resp: 117263

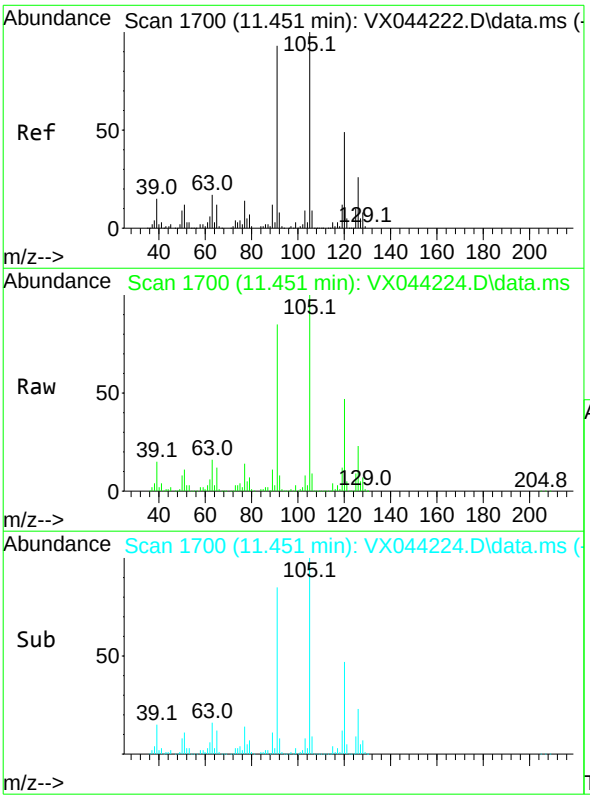
Ion	Ratio	Lower	Upper
75	100		
53	107.3	93.6	140.4
89	48.2	37.3	55.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

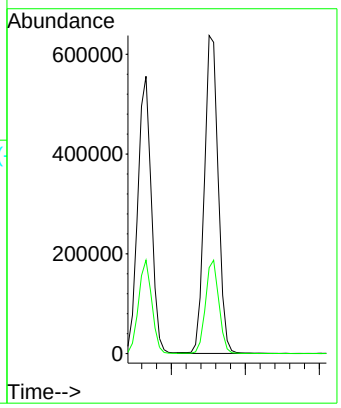


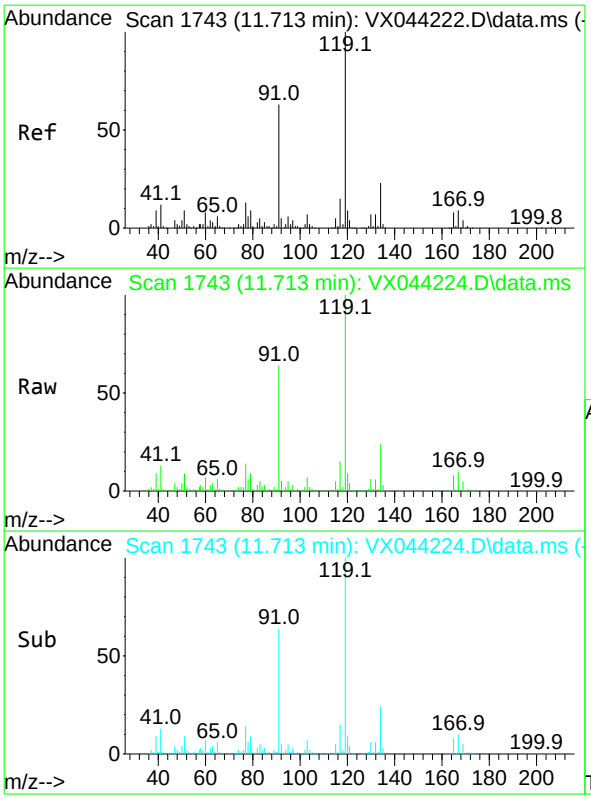


#82
4-Chlorotoluene
Concen: 149.831 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 91 Resp: 825278

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.5	43.5





#83
tert-Butylbenzene
Concen: 148.495 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

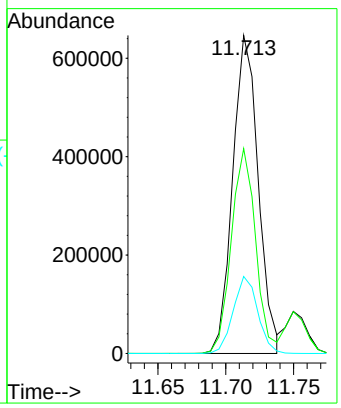
Tgt Ion:119 Resp: 846864

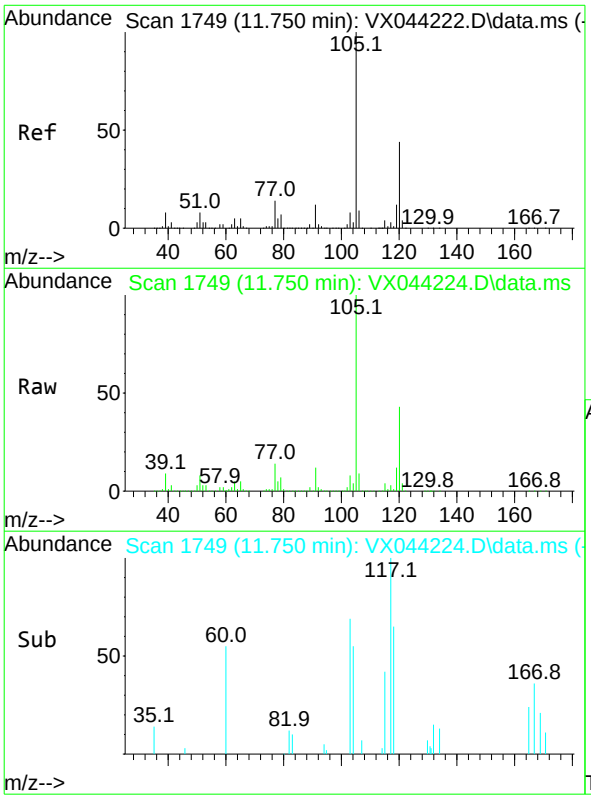
Ion	Ratio	Lower	Upper
119	100		
91	61.3	30.9	92.5
134	23.3	11.5	34.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

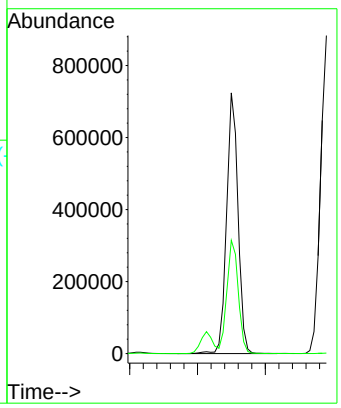


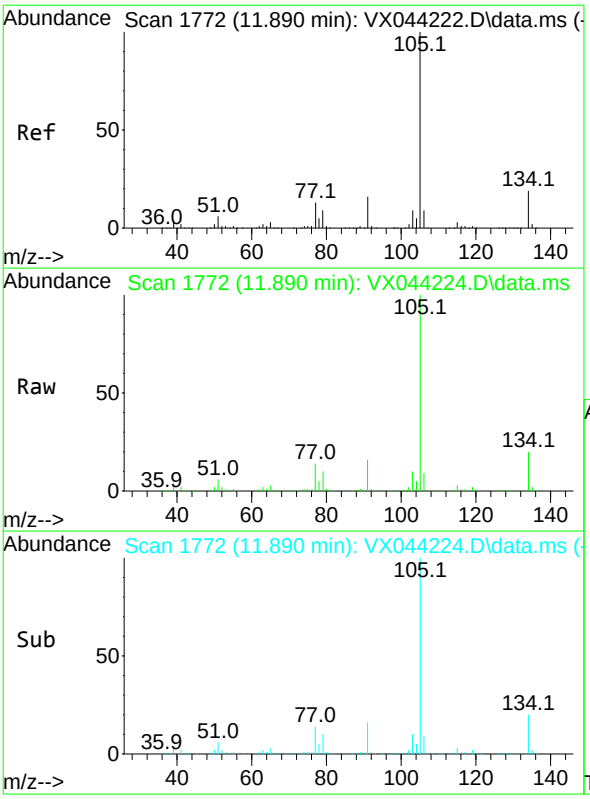


#84
1,2,4-Trimethylbenzene
Concen: 149.414 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:105 Resp: 846771

Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.7	65.1





#85
sec-Butylbenzene
Concen: 149.409 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

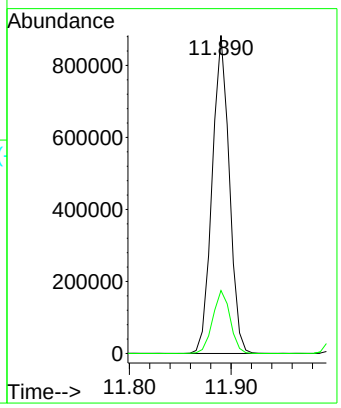
Tgt Ion:105 Resp: 1034419

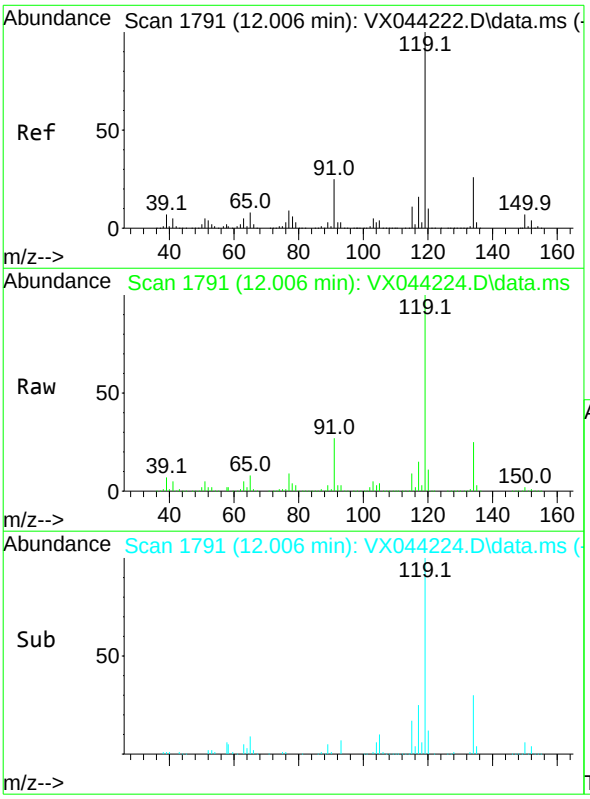
Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

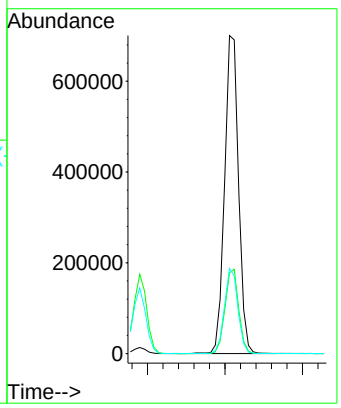


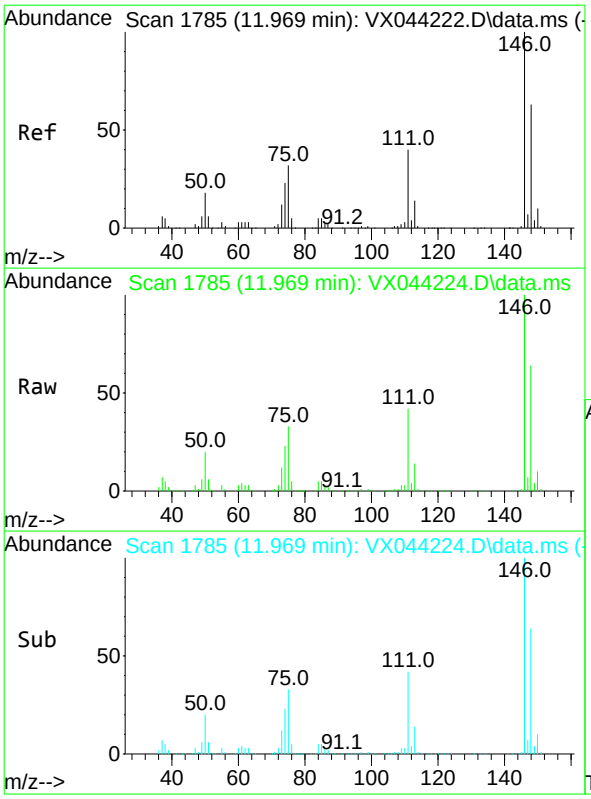


#86
p-Isopropyltoluene
Concen: 151.944 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:119 Resp: 875562

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.8	38.4
91	25.7	13.0	39.0





#87
1,3-Dichlorobenzene
Concen: 150.575 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

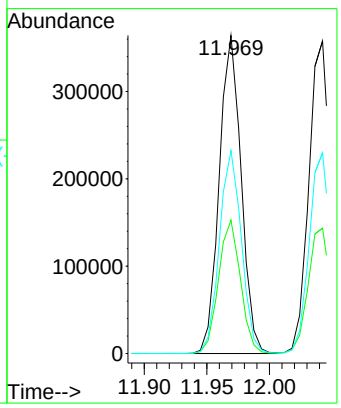
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

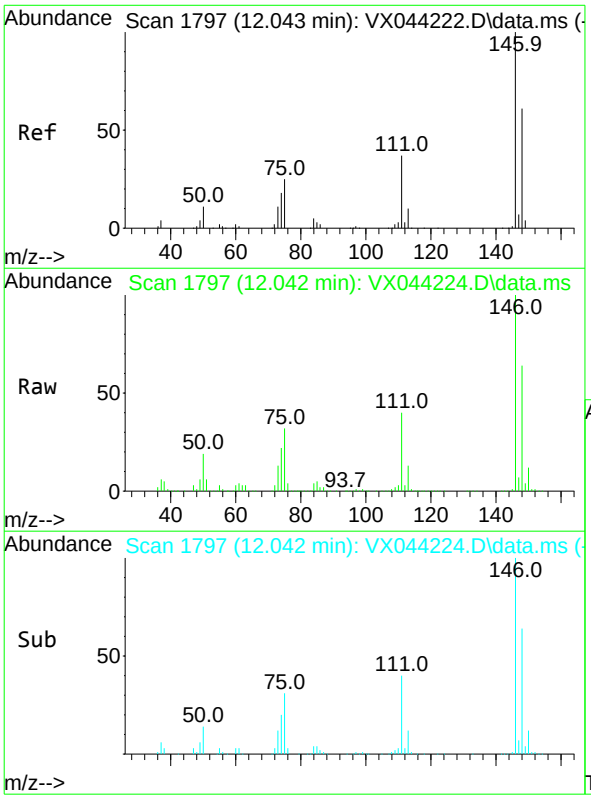
Tgt Ion:146 Resp: 443826

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.4	64.2
148	64.0	31.7	95.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

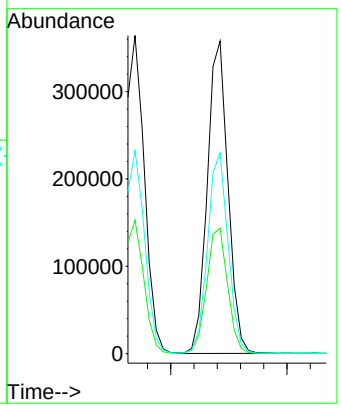


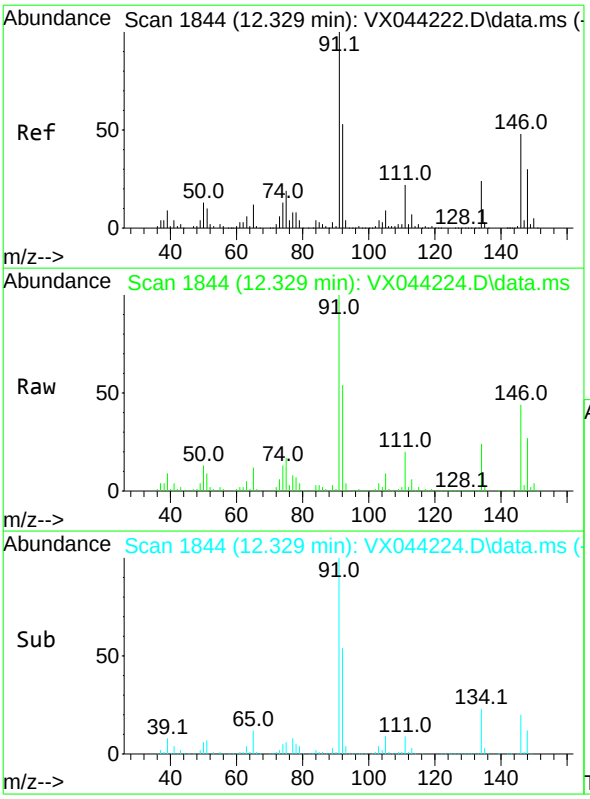


#88
1,4-Dichlorobenzene
Concen: 146.058 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:146 Resp: 442556

Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.0	63.0
148	63.7	32.3	96.8





#89
n-Butylbenzene
Concen: 166.836 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

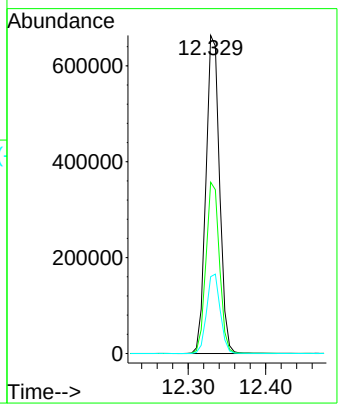
Tgt Ion: 91 Resp: 808399

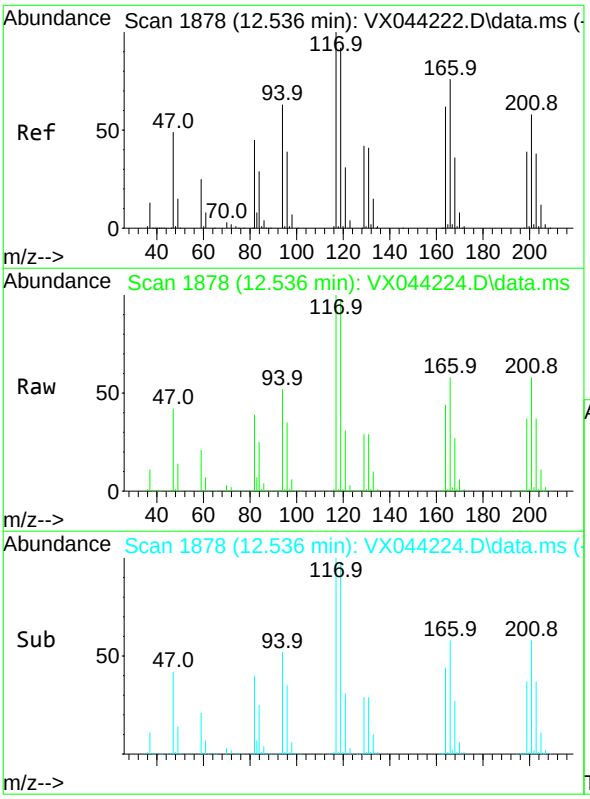
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.7
134	25.0	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

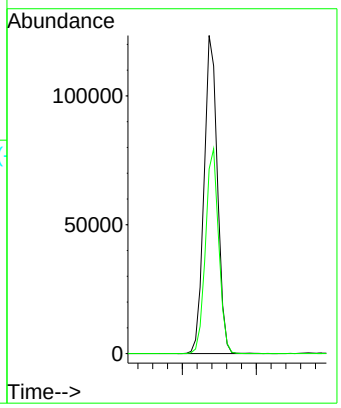


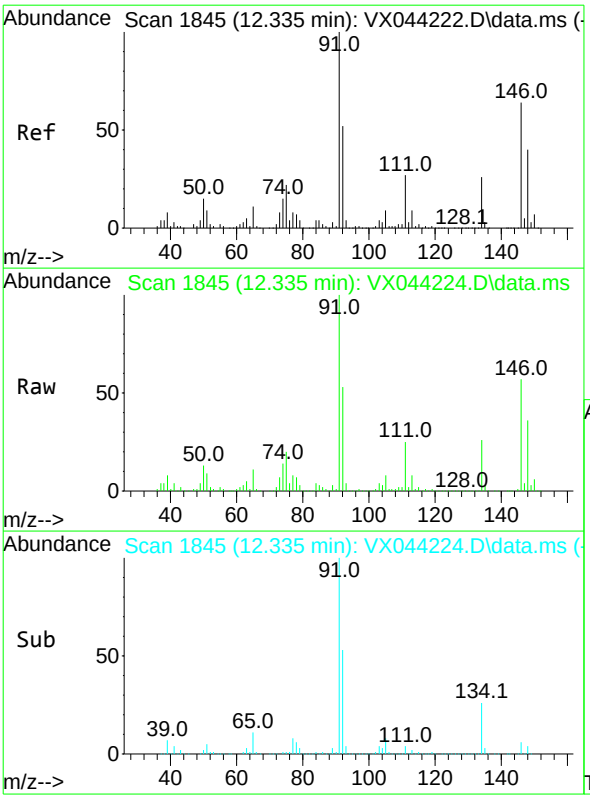


#90
Hexachloroethane
Concen: 183.942 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:117 Resp: 154726

Ion	Ratio	Lower	Upper
117	100		
201	63.5	31.4	94.2





#91
1,2-Dichlorobenzene
Concen: 146.357 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

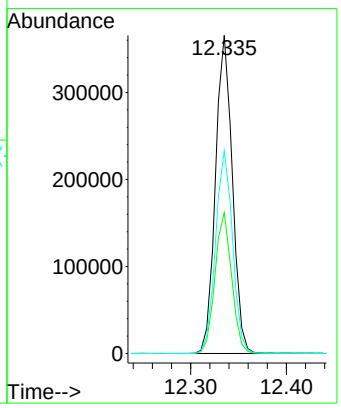
Tgt Ion:146 Resp: 447931

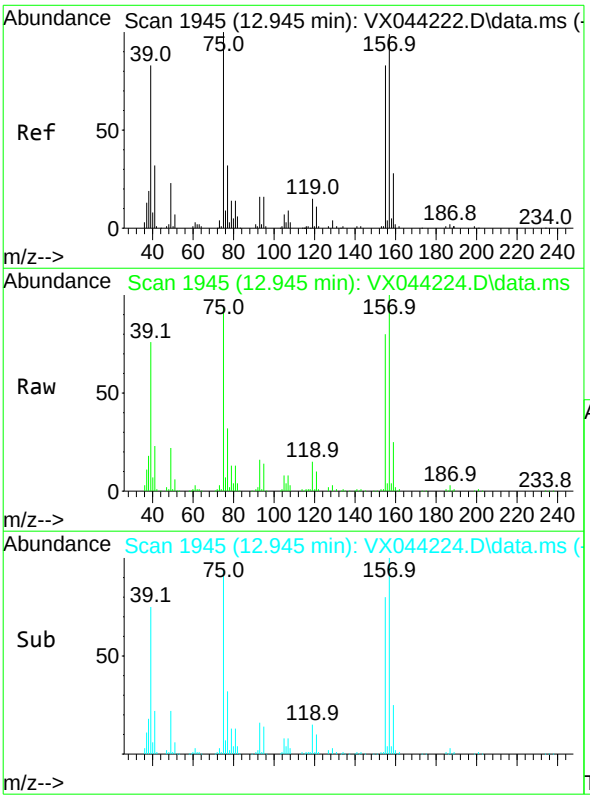
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.4	64.3
148	64.2	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

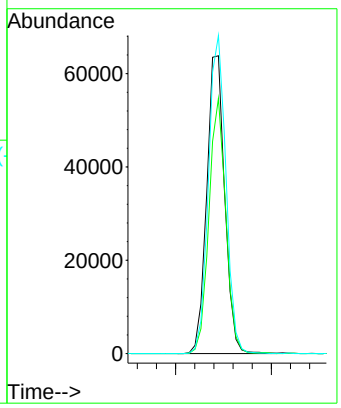


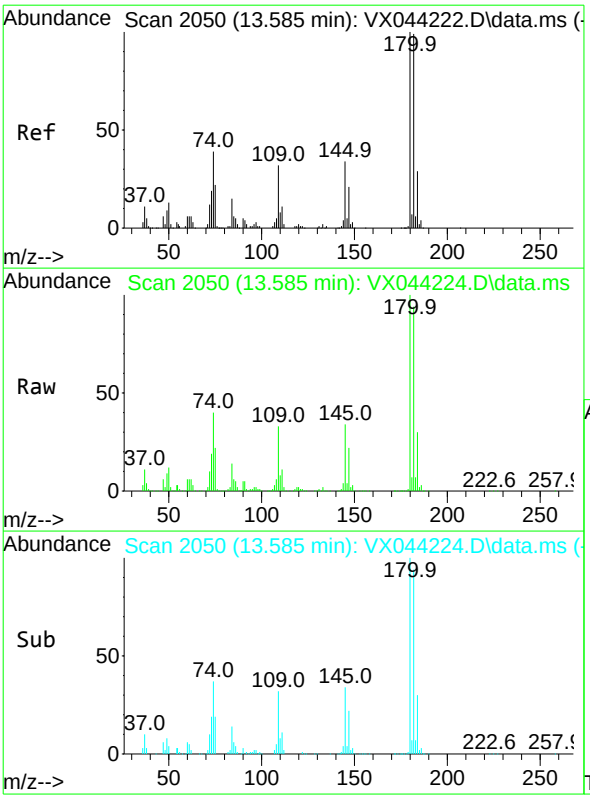


#92
1,2-Dibromo-3-Chloropropane
Concen: 178.106 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 75 Resp: 83565

Ion	Ratio	Lower	Upper
75	100		
155	79.8	38.1	114.3
157	103.3	47.2	141.6





#93
1,2,4-Trichlorobenzene
Concen: 171.952 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

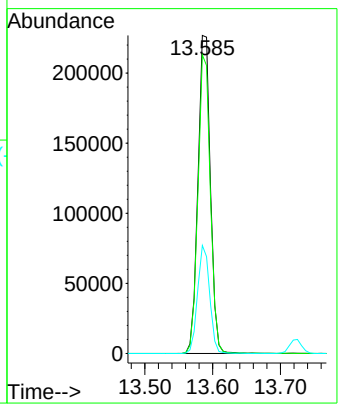
Tgt Ion:180 Resp: 288519

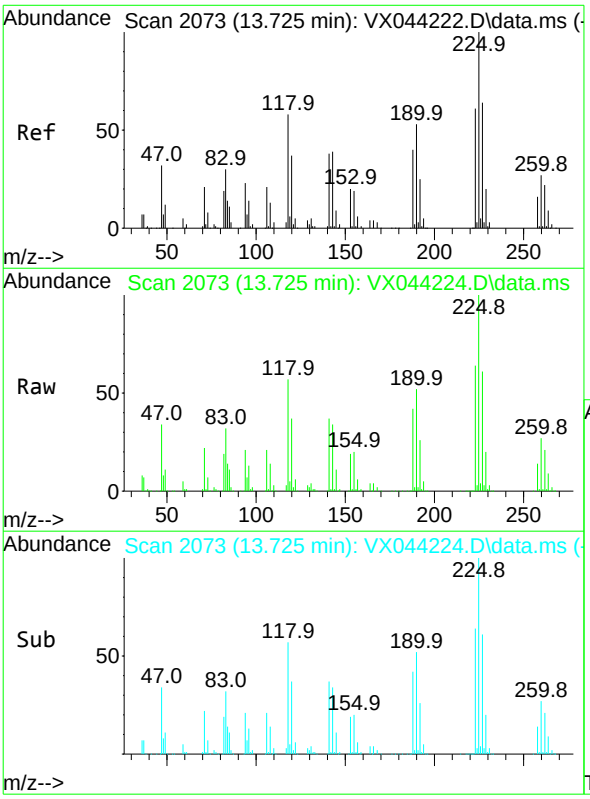
Ion	Ratio	Lower	Upper
180	100		
182	93.3	48.0	144.2
145	33.0	16.6	49.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

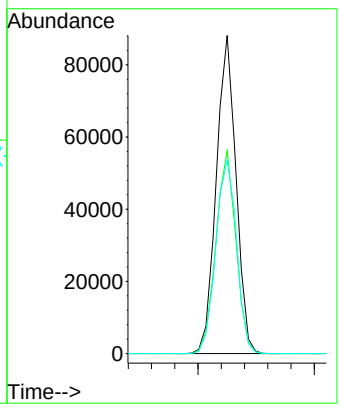


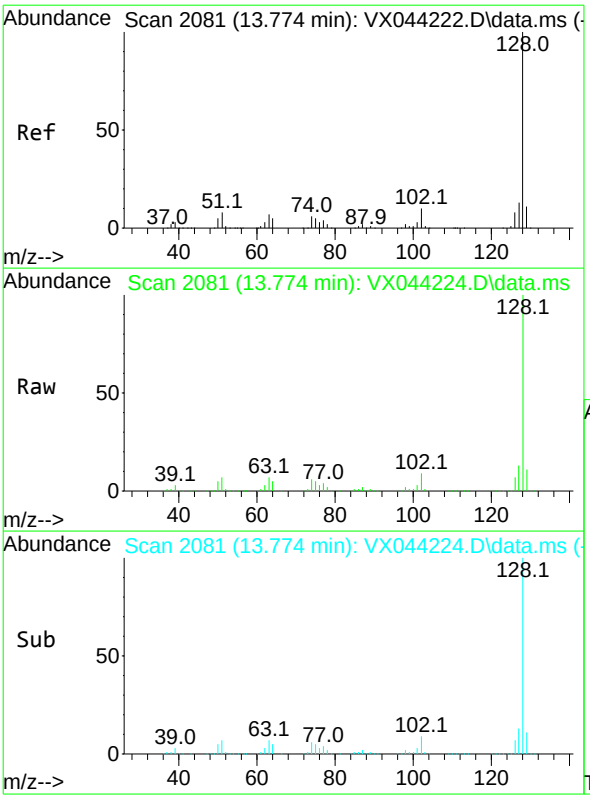


#94
Hexachlorobutadiene
Concen: 154.036 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:225 Resp: 103961

Ion	Ratio	Lower	Upper
225	100		
223	64.7	30.8	92.4
227	64.0	32.1	96.3





#95
Naphthalene
Concen: 167.187 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

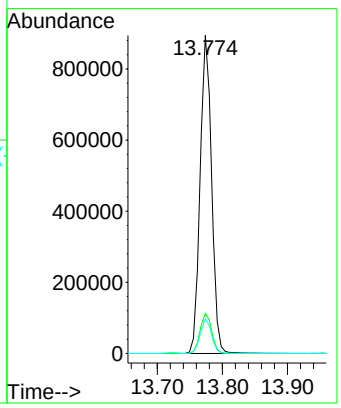
Tgt Ion:128 Resp: 1094997

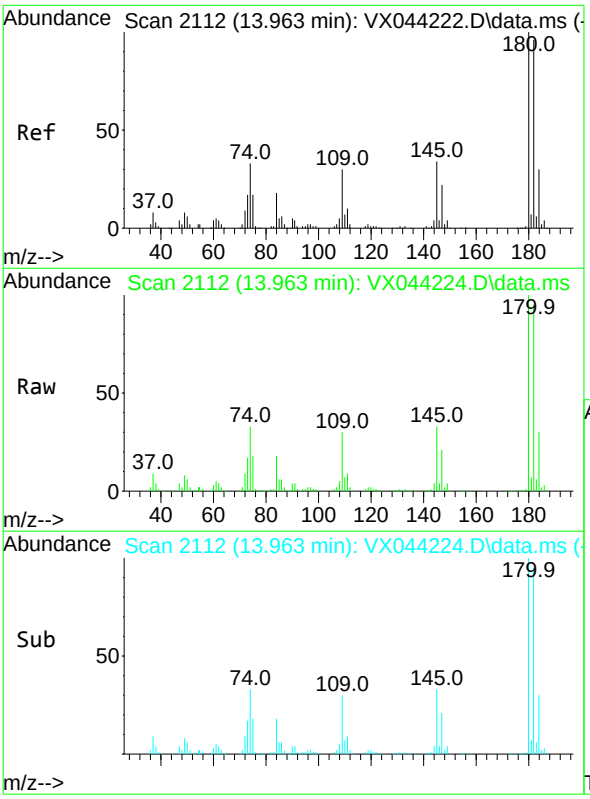
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.8	9.0	13.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

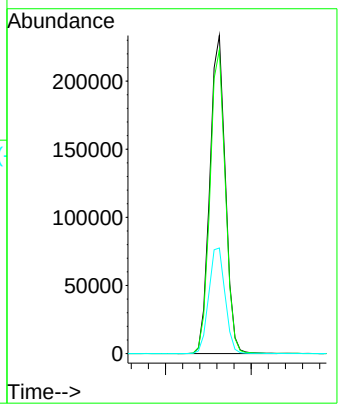




#96
1,2,3-Trichlorobenzene
Concen: 165.064 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:180 Resp: 293760

Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.0	144.0
145	34.9	17.7	53.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
APPROVED
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	134203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	237295	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99879	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	107407	45.646	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.300%			
35) Dibromofluoromethane	5.379	113	77619	47.228	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.460%			
50) Toluene-d8	8.647	98	271508	48.968	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.940%			
62) 4-Bromofluorobenzene	11.079	95	97061	50.098	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	104566	50.390	ug/l	98
3) Chloromethane	1.294	50	92633	46.681	ug/l	98
4) Vinyl Chloride	1.374	62	97702	47.260	ug/l	97
5) Bromomethane	1.593	94	67357	45.926	ug/l	99
6) Chloroethane	1.666	64	62821	48.801	ug/l	100
7) Trichlorofluoromethane	1.867	101	203619	50.311	ug/l	99
8) Diethyl Ether	2.136	74	63075	45.658	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	82498	50.374	ug/l	99
10) Methyl Iodide	2.441	142	100043	46.349	ug/l	100
11) Tert butyl alcohol	3.001	59	77494	233.680	ug/l	100
12) 1,1-Dichloroethene	2.306	96	74177	49.311	ug/l	99
13) Acrolein	2.233	56	111927	233.162	ug/l	97
14) Allyl chloride	2.654	41	124635	49.744	ug/l	100
15) Acrylonitrile	3.068	53	221037	240.620	ug/l	100
16) Acetone	2.386	43	260267	271.312	ug/l	98
17) Carbon Disulfide	2.501	76	149824	52.397	ug/l	98
18) Methyl Acetate	2.709	43	115569	46.725	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	281413	47.940	ug/l	99
20) Methylene Chloride	2.782	84	83188	46.170	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	77471	48.459	ug/l	98
22) Diisopropyl ether	3.763	45	264732	46.922	ug/l	98
23) Vinyl Acetate	3.721	43	1185779	258.510	ug/l	99
24) 1,1-Dichloroethane	3.605	63	151134	48.056	ug/l	98
25) 2-Butanone	4.562	43	346052	253.747	ug/l	100
26) 2,2-Dichloropropane	4.465	77	140196	54.872	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	94838	46.709	ug/l	99
28) Bromochloromethane	4.891	49	69139	44.832	ug/l	99
29) Tetrahydrofuran	5.007	42	208362	238.031	ug/l	98
30) Chloroform	5.092	83	163372	46.235	ug/l	94
31) Cyclohexane	5.458	56	125567	49.443	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	146348	49.895	ug/l	99
36) 1,1-Dichloropropene	5.684	75	106889	50.314	ug/l	98
37) Ethyl Acetate	4.721	43	137017	52.176	ug/l	99
38) Carbon Tetrachloride	5.672	117	118390	51.763	ug/l	97
39) Methylcyclohexane	7.373	83	139077	54.761	ug/l	99
40) Benzene	6.031	78	316391	49.052	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	68251	48.945 ug/l	98
42) 1,2-Dichloroethane	6.086	62	132744	49.960 ug/l	100
43) Isopropyl Acetate	6.342	43	211889	51.624 ug/l	100
44) Trichloroethene	7.123	130	80008	49.741 ug/l	98
45) 1,2-Dichloropropane	7.427	63	78321	47.528 ug/l	98
46) Dibromomethane	7.574	93	65491	51.227 ug/l	99
47) Bromodichloromethane	7.818	83	116783	52.893 ug/l	99
48) Methyl methacrylate	7.690	41	101318	50.852 ug/l	98
49) 1,4-Dioxane	7.665	88	30522m	923.966 ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	673069	255.038 ug/l	99
52) Toluene	8.714	92	199281	49.199 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	120696	50.864 ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	128875	53.607 ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	81362	50.562 ug/l	96
56) Ethyl methacrylate	9.116	69	134357	52.890 ug/l	98
57) 1,3-Dichloropropane	9.305	76	137705	49.165 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	332599	259.586 ug/l	100
59) 2-Hexanone	9.433	43	519476	271.943 ug/l	99
60) Dibromochloromethane	9.518	129	83515	49.073 ug/l	99
61) 1,2-Dibromoethane	9.610	107	85024	51.909 ug/l	97
64) Tetrachloroethene	9.269	164	66669	47.702 ug/l	98
65) Chlorobenzene	10.079	112	217180	48.133 ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	74531	51.396 ug/l	100
67) Ethyl Benzene	10.189	91	385605	49.461 ug/l	99
68) m/p-Xylenes	10.299	106	285774	99.896 ug/l	99
69) o-Xylene	10.640	106	144001	49.750 ug/l	98
70) Styrene	10.652	104	239508	51.617 ug/l	98
71) Bromoform	10.799	173	50972	50.269 ug/l #	99
73) Isopropylbenzene	10.963	105	374769	49.014 ug/l	99
74) N-amyl acetate	10.841	43	183763	52.003 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	126615	47.676 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	103796m	46.544 ug/l	
77) Bromobenzene	11.195	156	87767	47.335 ug/l	99
78) n-propylbenzene	11.305	91	429443	50.816 ug/l	99
79) 2-Chlorotoluene	11.366	91	259860	47.546 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	313435	49.431 ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	37038	47.861 ug/l	97
82) 4-Chlorotoluene	11.451	91	297641	49.178 ug/l	100
83) tert-Butylbenzene	11.713	119	309463	49.384 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	313433	50.333 ug/l	100
85) sec-Butylbenzene	11.890	105	381109	50.097 ug/l	100
86) p-Isopropyltoluene	12.006	119	320882	50.678 ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	159094	49.122 ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	160742	48.280 ug/l	99
89) n-Butylbenzene	12.329	91	283284	53.207 ug/l	99
90) Hexachloroethane	12.536	117	48734	52.727 ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	160039	47.589 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	26738	51.864 ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	99449	53.940 ug/l	98
94) Hexachlorobutadiene	13.725	225	37651	50.770 ug/l	98
95) Naphthalene	13.774	128	365781	50.827 ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	100209	51.244 ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

ICAL Form

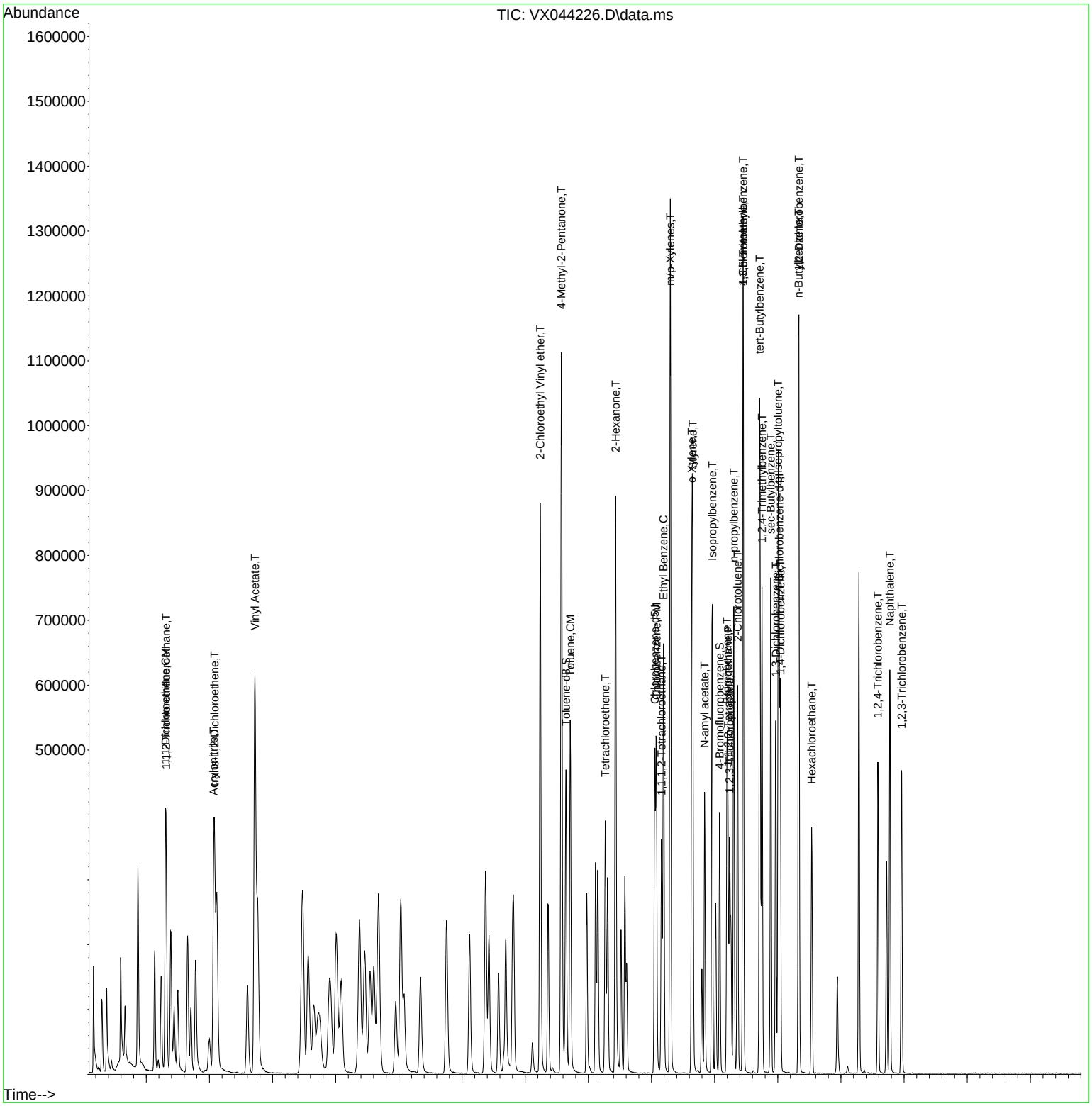
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

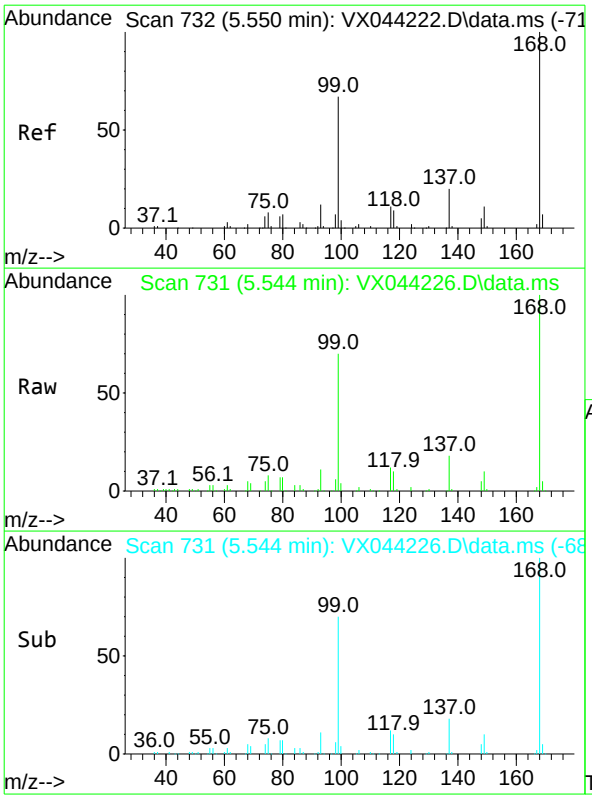
Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

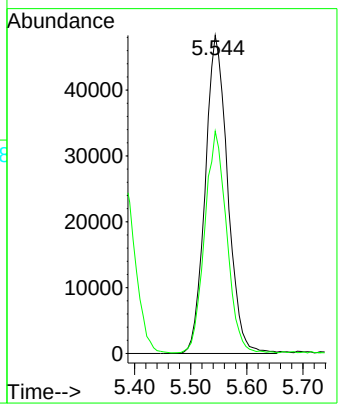
Tgt Ion:168 Resp: 134203

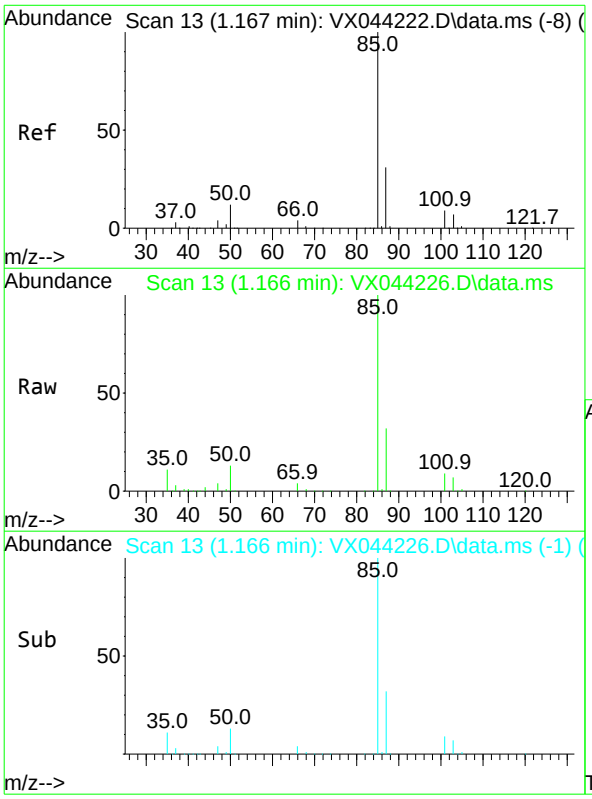
Ion	Ratio	Lower	Upper
168	100		
99	69.7	53.4	80.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

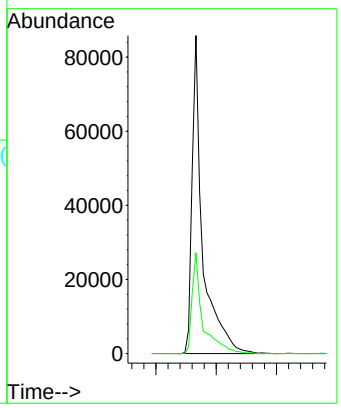


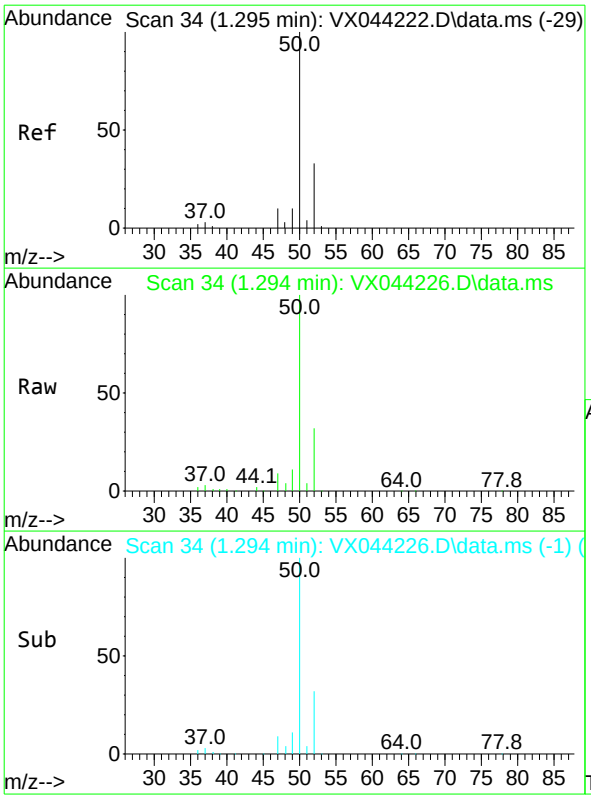


#2
Dichlorodifluoromethane
Concen: 50.390 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 85 Resp: 104566

Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.4	46.4





#3
Chloromethane
Concen: 46.681 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

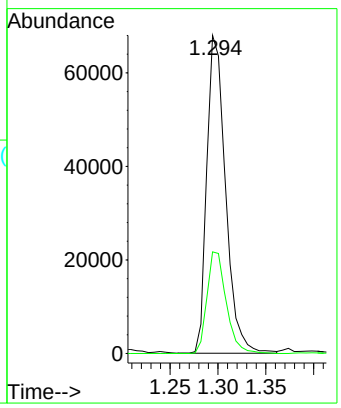
Tgt Ion: 50 Resp: 92633

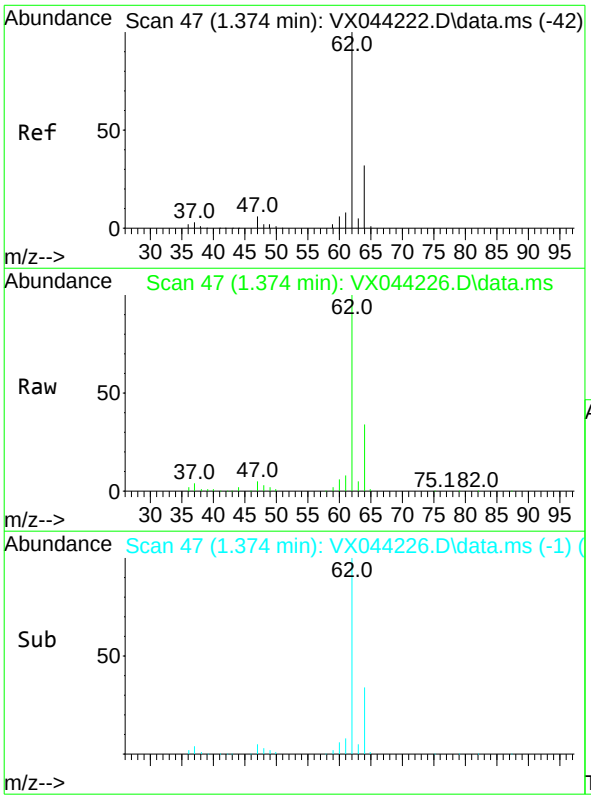
Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

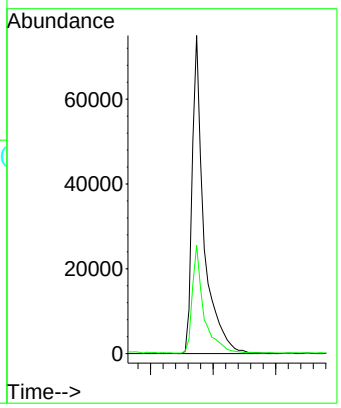


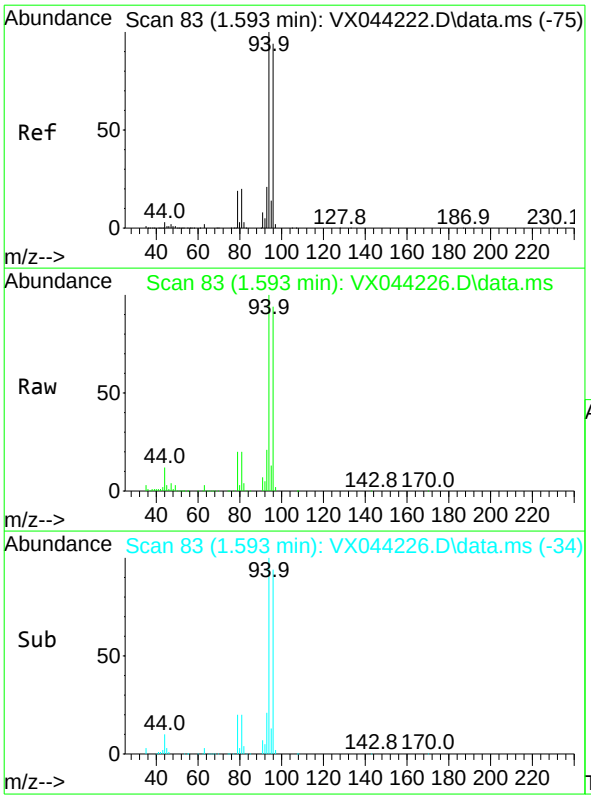


#4
Vinyl Chloride
Concen: 47.260 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 62 Resp: 97702

Ion	Ratio	Lower	Upper
62	100		
64	33.9	25.7	38.5





#5
Bromomethane
Concen: 45.926 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

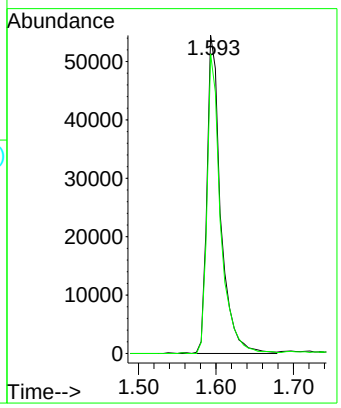
Tgt Ion: 94 Resp: 67357

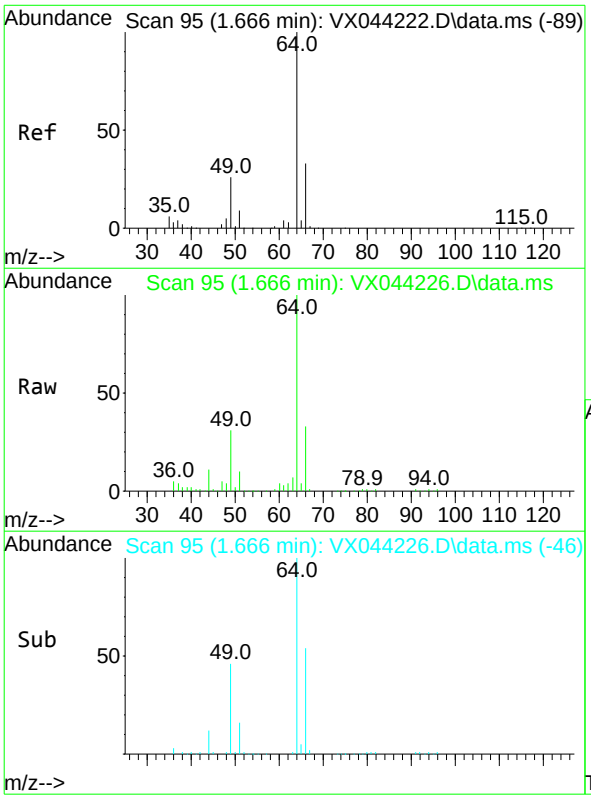
Ion	Ratio	Lower	Upper
94	100		
96	94.2	74.9	112.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

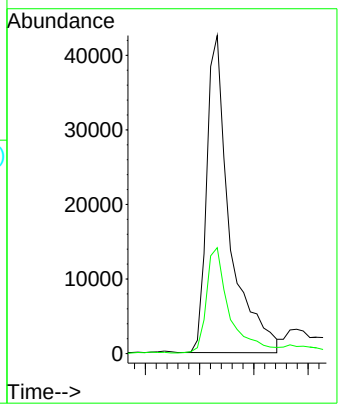


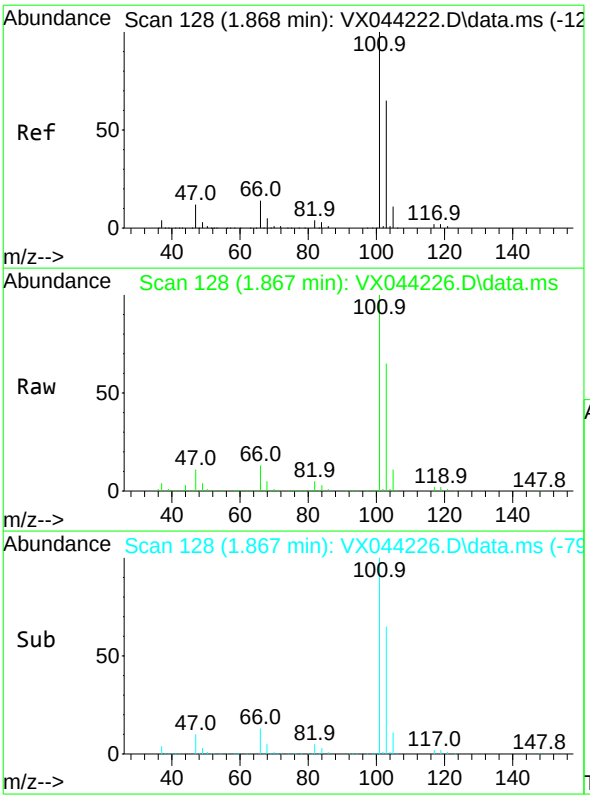


#6
Chloroethane
Concen: 48.801 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 64 Resp: 62821

Ion	Ratio	Lower	Upper
64	100		
66	33.2	26.6	39.8





#7
Trichlorofluoromethane
Concen: 50.311 ug/l
RT: 1.867 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

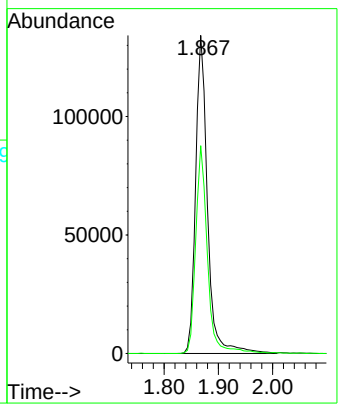
Tgt Ion:101 Resp: 203619

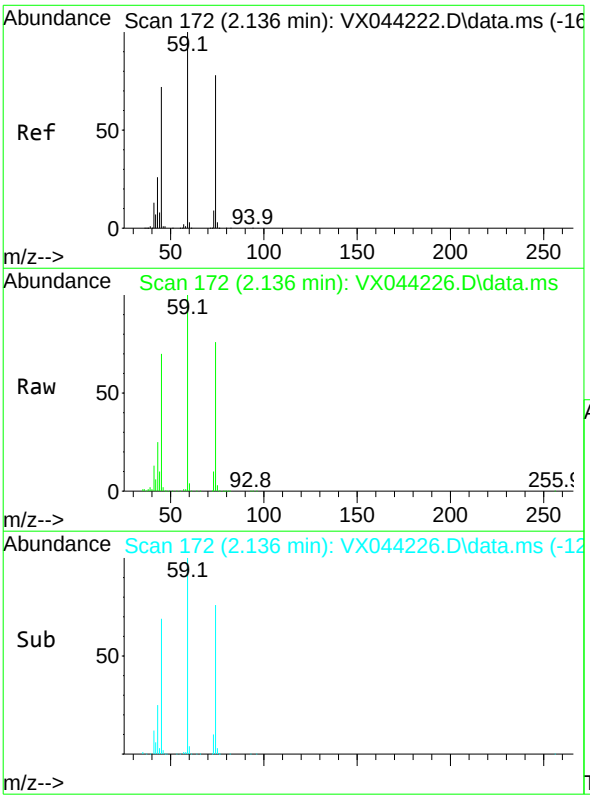
Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.8	77.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

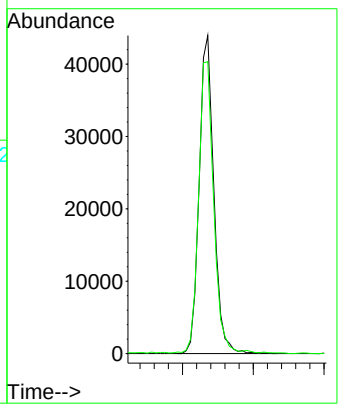


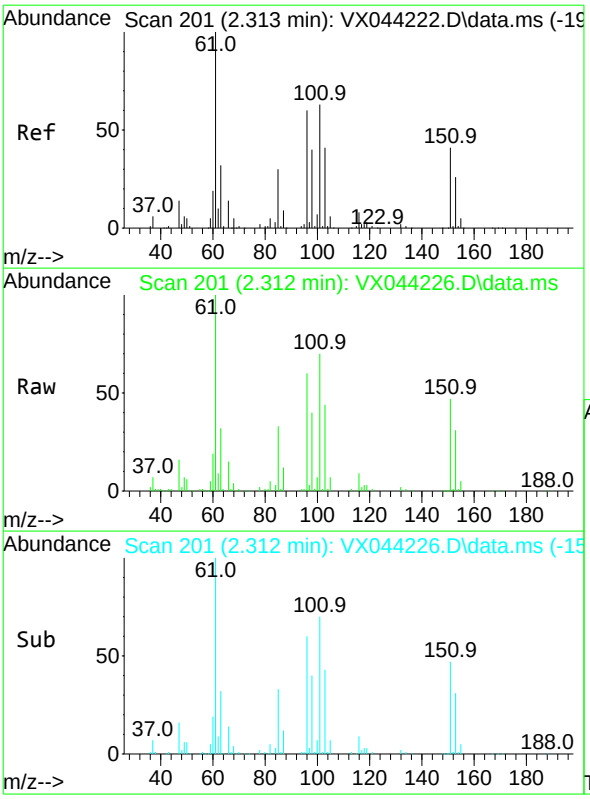


#8
Diethyl Ether
Concen: 45.658 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 74 Resp: 63075

Ion	Ratio	Lower	Upper
74	100		
45	94.4	48.4	145.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.374 ug/l
RT: 2.312 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

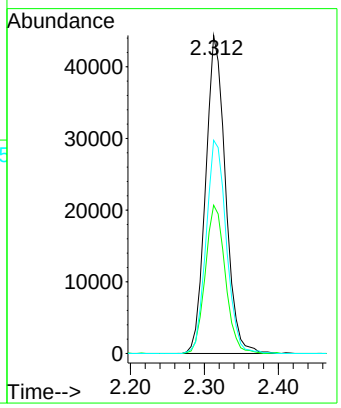
Tgt Ion:101 Resp: 82498

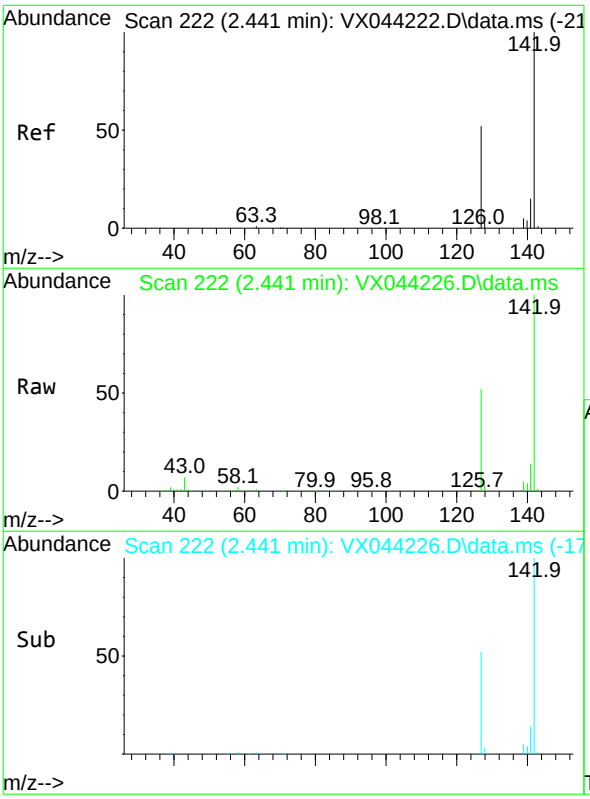
Ion	Ratio	Lower	Upper
101	100		
85	47.1	38.5	57.7
151	68.6	55.8	83.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

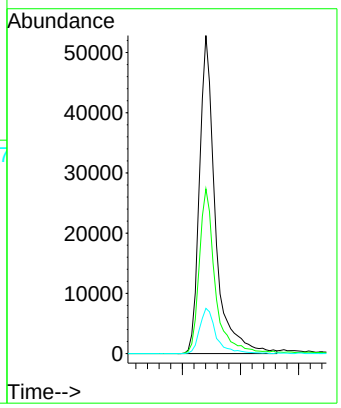


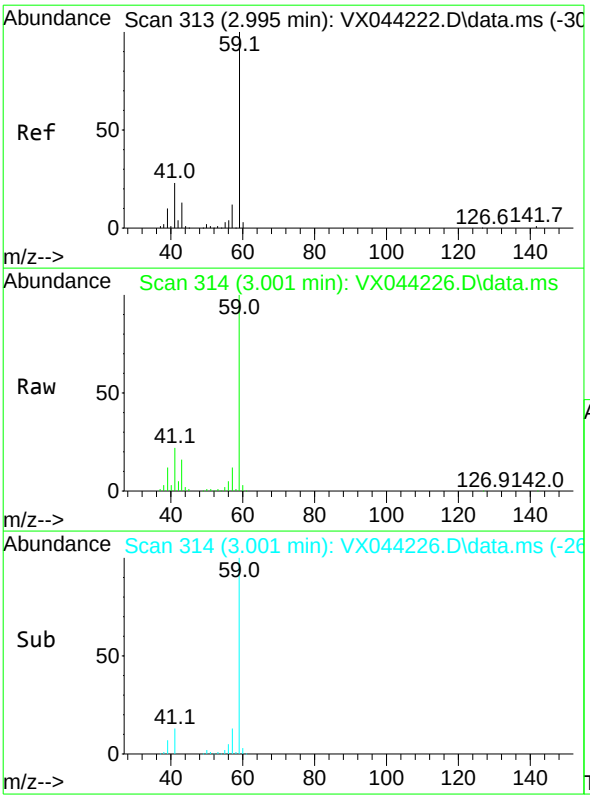


#10
Methyl Iodide
Concen: 46.349 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:142 Resp: 100043

Ion	Ratio	Lower	Upper
142	100		
127	52.3	41.8	62.8
141	14.8	11.5	17.3





#11
Tert butyl alcohol
Concen: 233.680 ug/l
RT: 3.001 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

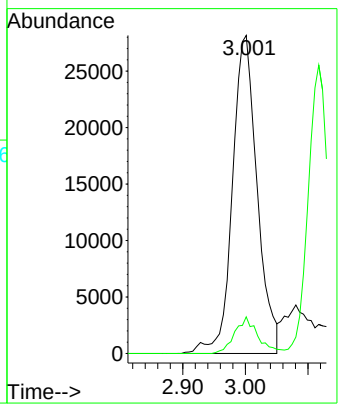
Tgt Ion: 59 Resp: 77494

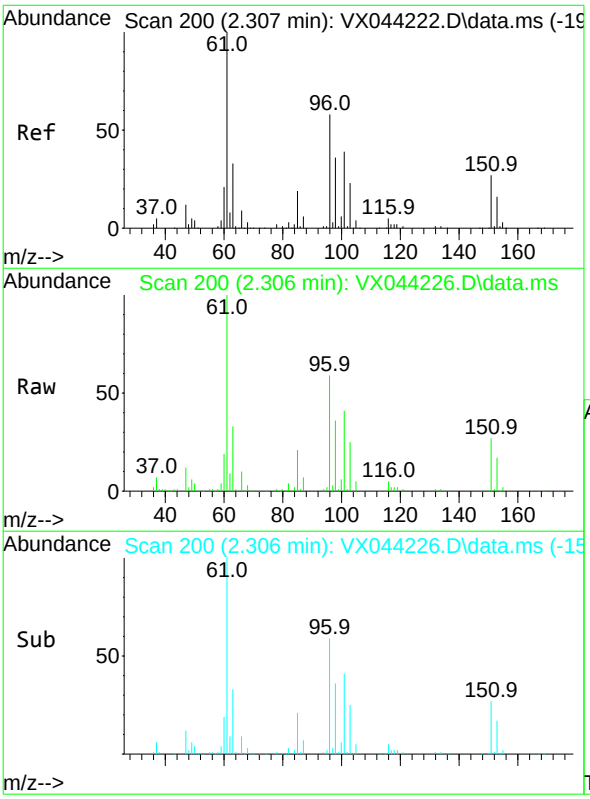
Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.8	13.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

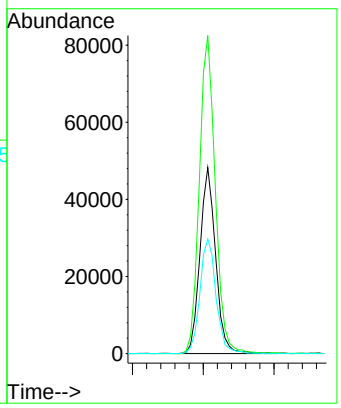


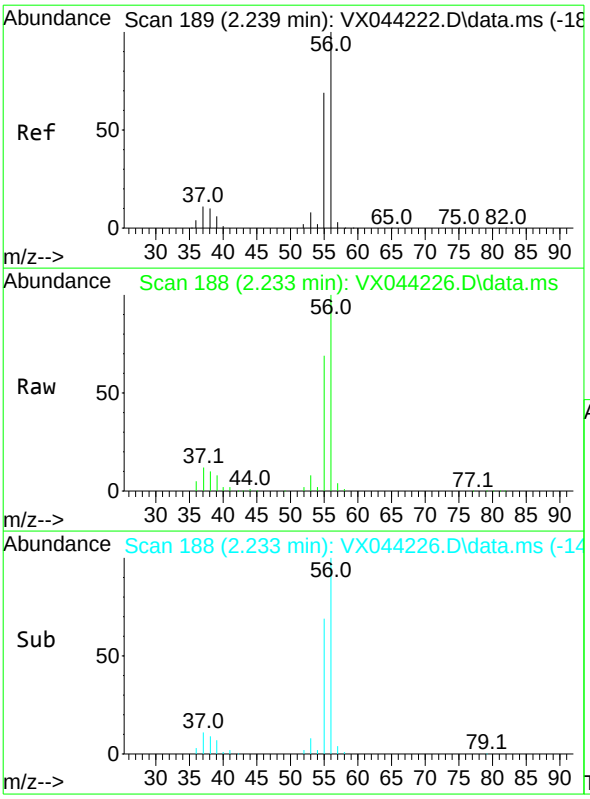


#12
1,1-Dichloroethene
Concen: 49.311 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 96 Resp: 74177

Ion	Ratio	Lower	Upper
96	100		
61	170.9	138.0	207.0
98	61.6	50.0	75.0





#13
Acrolein
Concen: 233.162 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

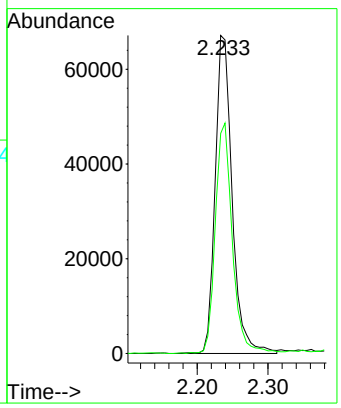
Tgt Ion: 56 Resp: 111927

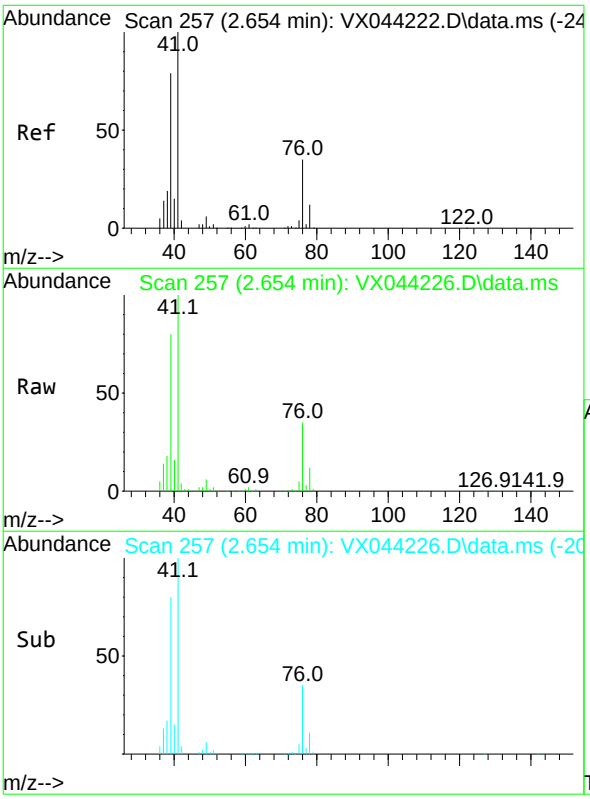
Ion	Ratio	Lower	Upper
56	100		
55	72.8	56.6	84.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

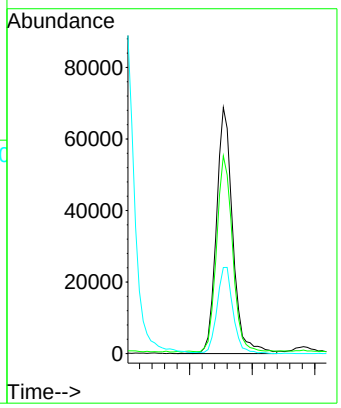


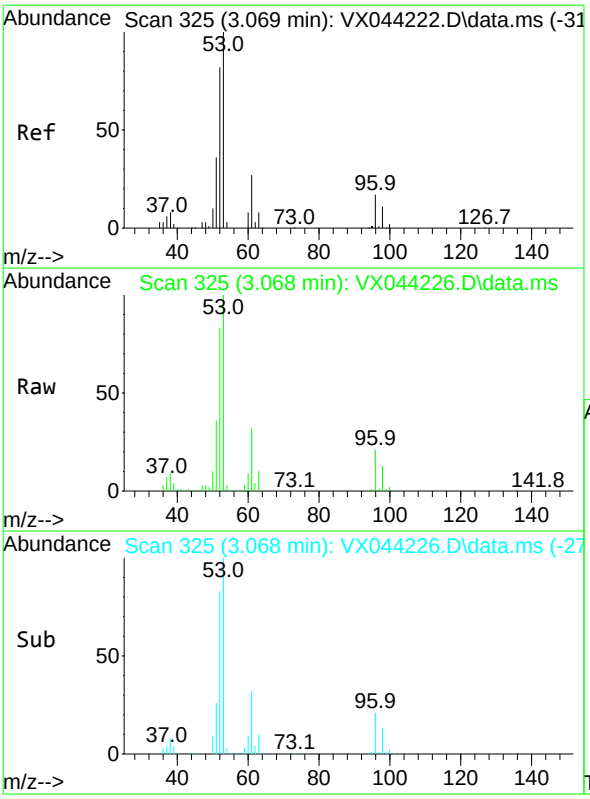


#14
Allyl chloride
Concen: 49.744 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 41 Resp: 124635

Ion	Ratio	Lower	Upper
41	100		
39	77.3	61.9	92.9
76	34.4	27.4	41.2





#15
Acrylonitrile
Concen: 240.620 ug/l
RT: 3.068 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

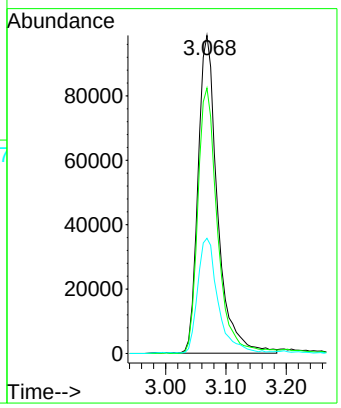
Tgt Ion: 53 Resp: 221037

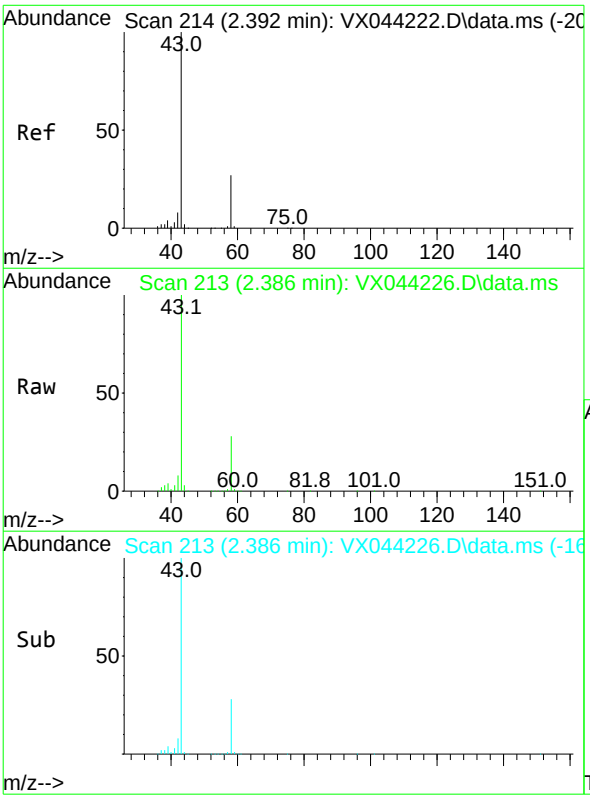
Ion	Ratio	Lower	Upper
53	100		
52	84.3	67.4	101.0
51	37.6	30.3	45.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

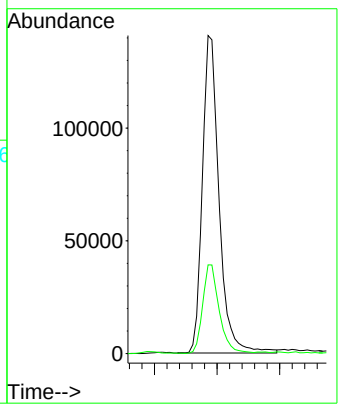


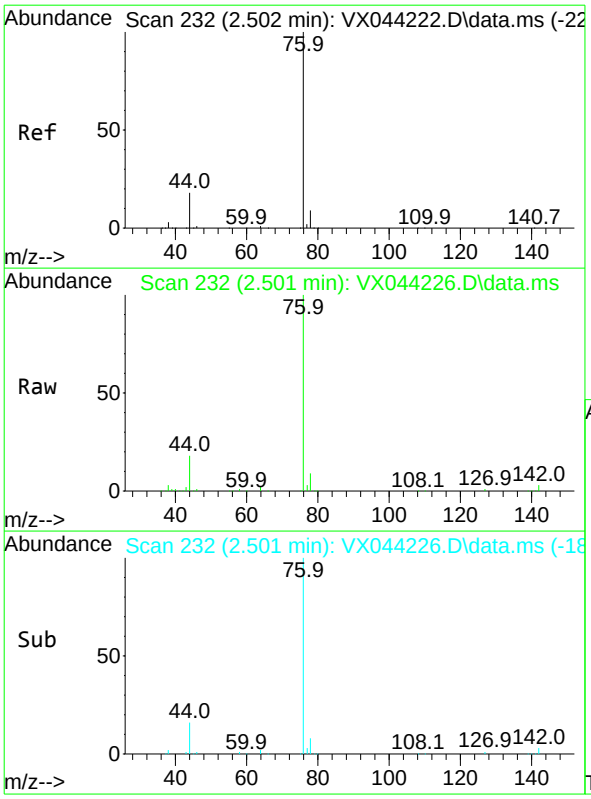


#16
Acetone
Concen: 271.312 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 260267

Ion	Ratio	Lower	Upper
43	100		
58	27.8	21.6	32.4





#17
Carbon Disulfide
Concen: 52.397 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 76 Resp: 149824

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.4	11.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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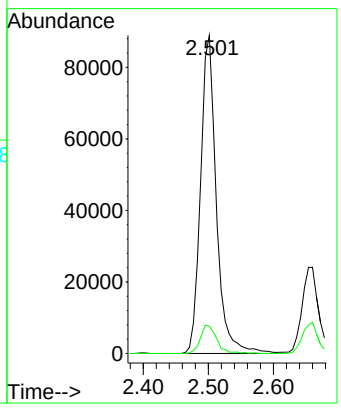
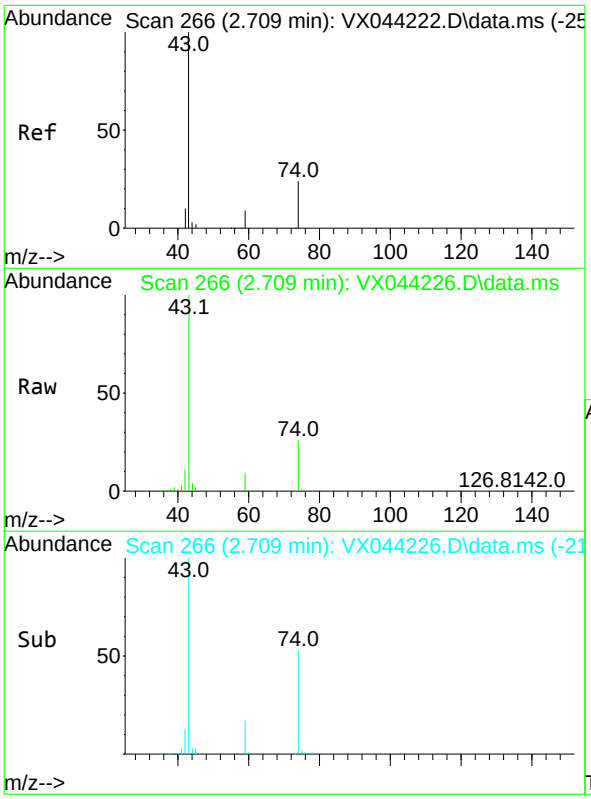
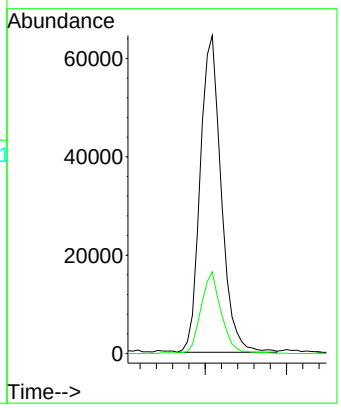


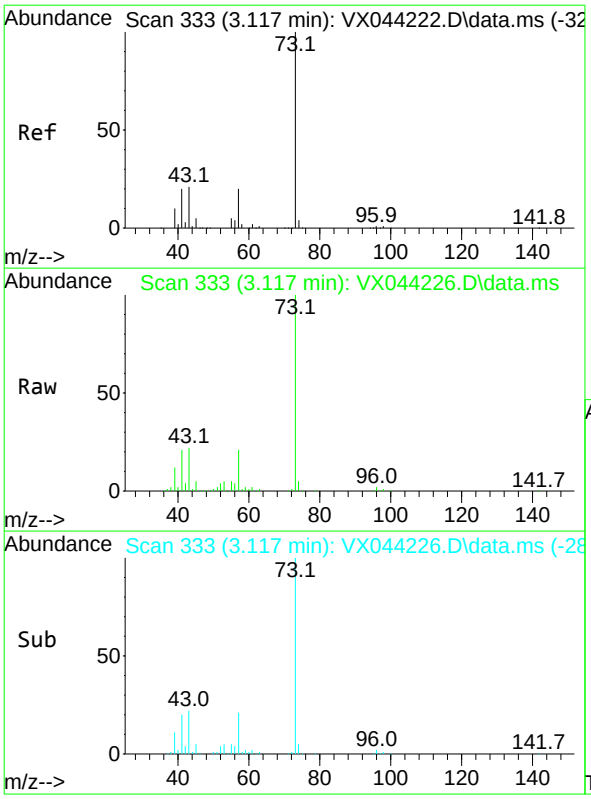


#18
Methyl Acetate
Concen: 46.725 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 115569

Ion	Ratio	Lower	Upper
43	100		
74	25.3	17.7	26.5





#19
Methyl tert-butyl Ether
Concen: 47.940 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 73 Resp: 281413

Ion	Ratio	Lower	Upper
73	100		
57	20.8	16.2	24.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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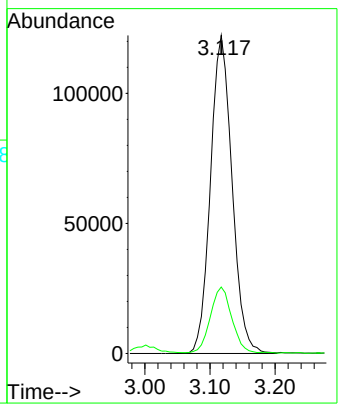
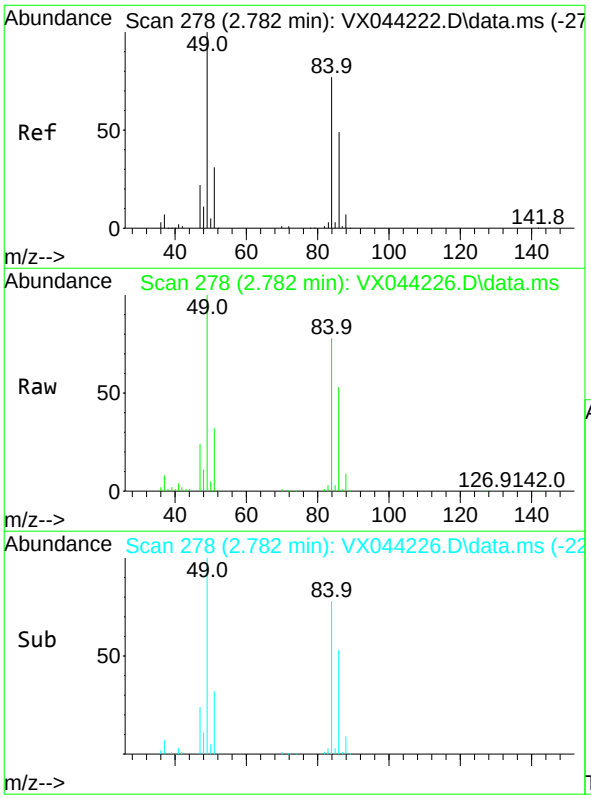
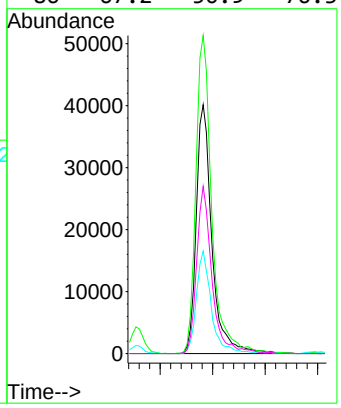


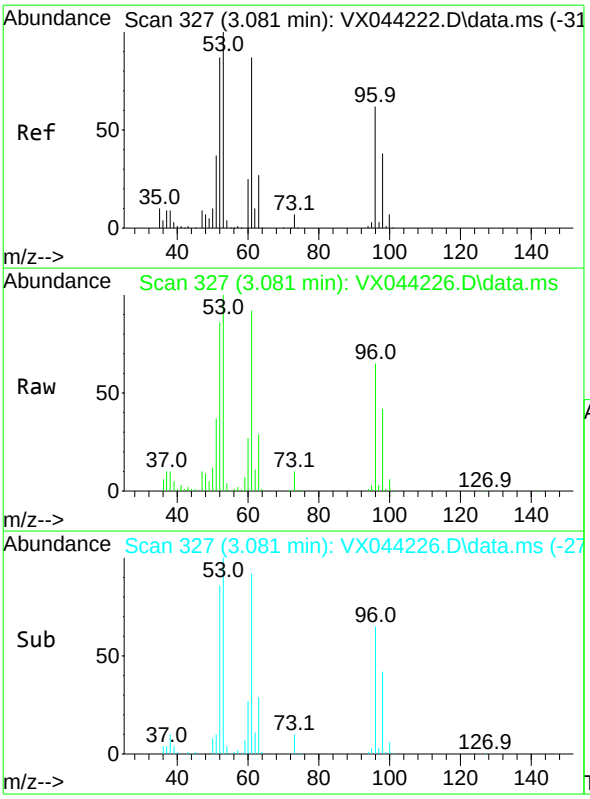


#20
Methylene Chloride
Concen: 46.170 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 84 Resp: 83188

Ion	Ratio	Lower	Upper
84	100		
49	127.6	104.2	156.4
51	41.1	32.2	48.4
86	67.2	50.9	76.3





#21
trans-1,2-Dichloroethene
Concen: 48.459 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 96 Resp: 77471

Ion	Ratio	Lower	Upper
96	100		
61	141.0	112.0	168.0
98	64.7	48.8	73.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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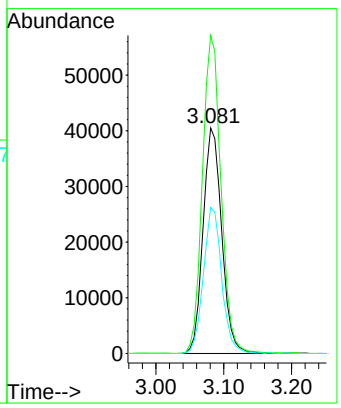
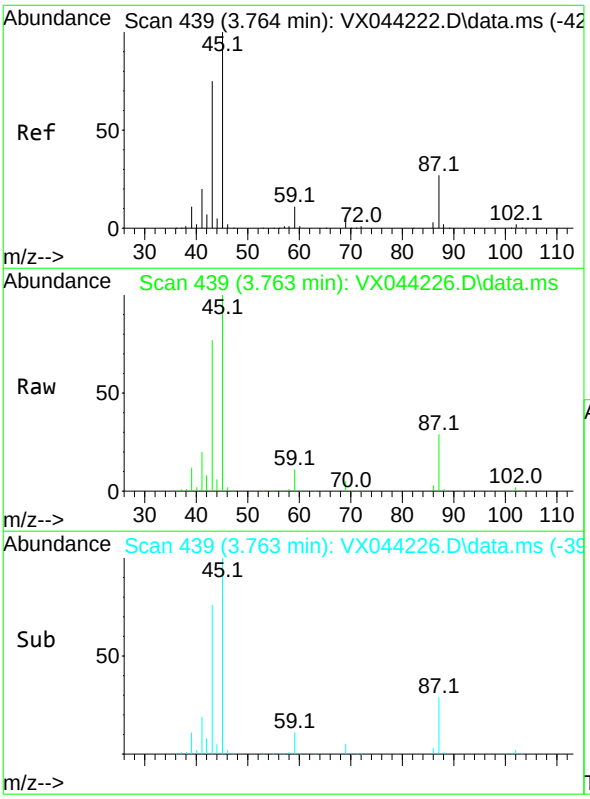
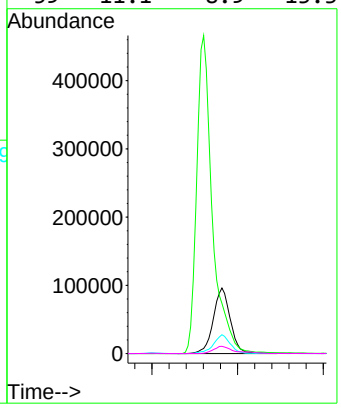


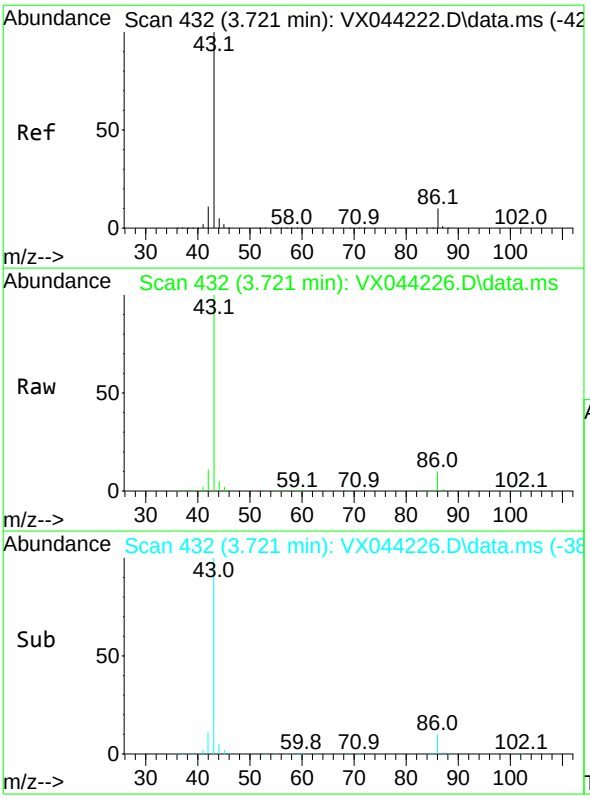


#22
Diisopropyl ether
Concen: 46.922 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 45 Resp: 264732

Ion	Ratio	Lower	Upper
45	100		
43	76.6	60.2	90.2
87	28.8	21.2	31.8
59	11.1	8.9	13.3





#23
Vinyl Acetate
Concen: 258.510 ug/l
RT: 3.721 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 1185779

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.2	12.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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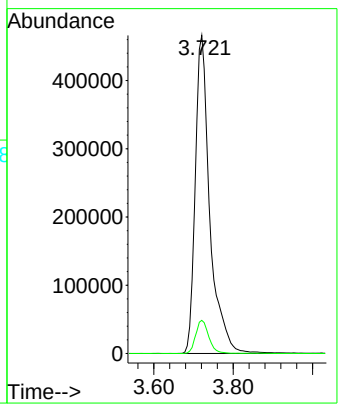
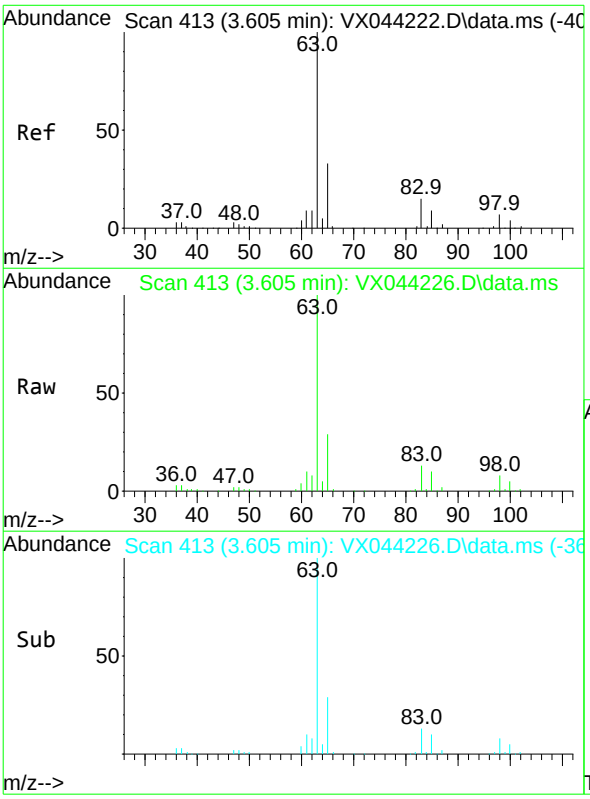
Supervised By :Mahesh Dadoda 12/12/2024

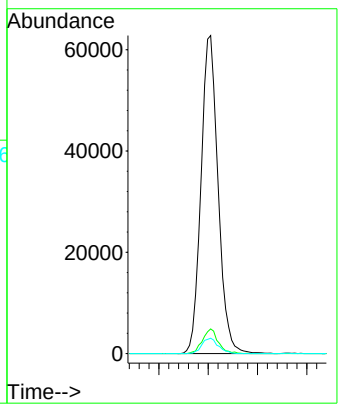


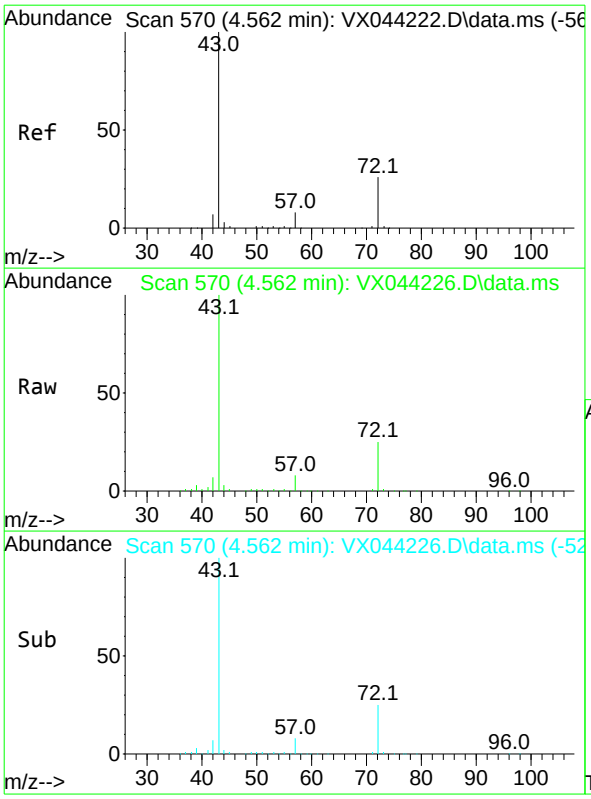


#24
1,1-Dichloroethane
Concen: 48.056 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 63 Resp: 151134

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.6	10.8
100	4.8	2.1	6.3





#25
2-Butanone
Concen: 253.747 ug/l
RT: 4.562 min Scan# 57
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 346052

Ion	Ratio	Lower	Upper
43	100		
72	25.2	20.2	30.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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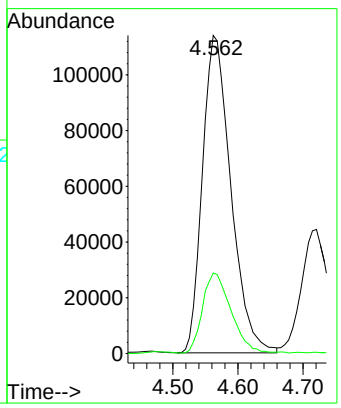
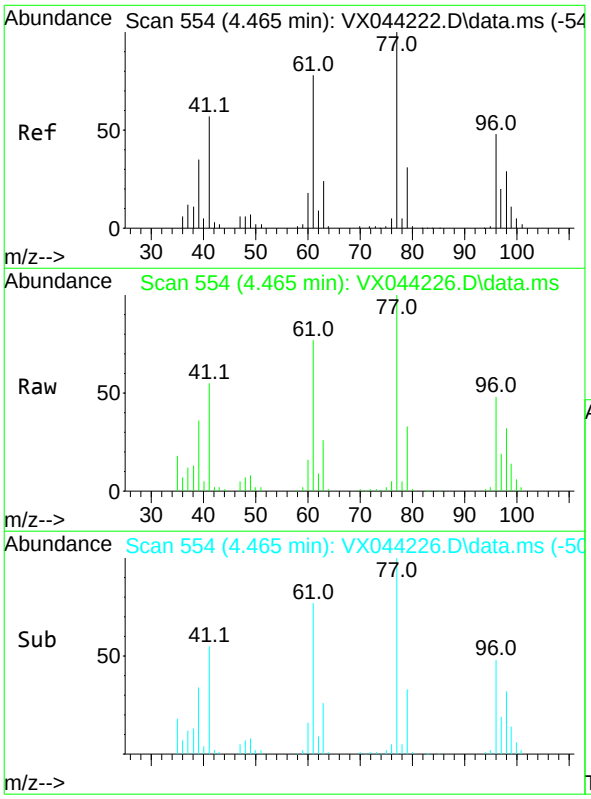
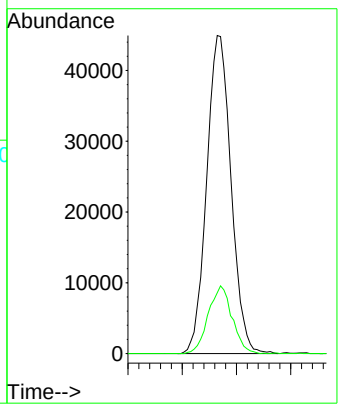


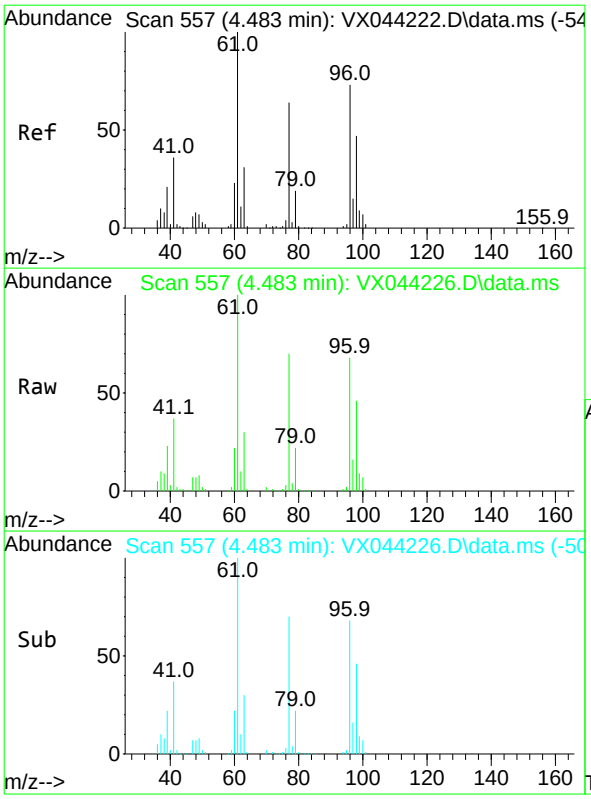


#26
2,2-Dichloropropane
Concen: 54.872 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 77 Resp: 140196

Ion	Ratio	Lower	Upper
77	100		
97	20.8	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 46.709 ug/l
RT: 4.483 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 96 Resp: 94838

Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	299.0
98	64.9	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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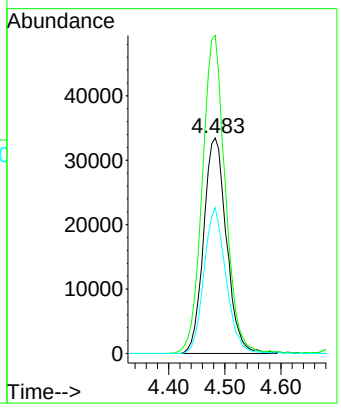
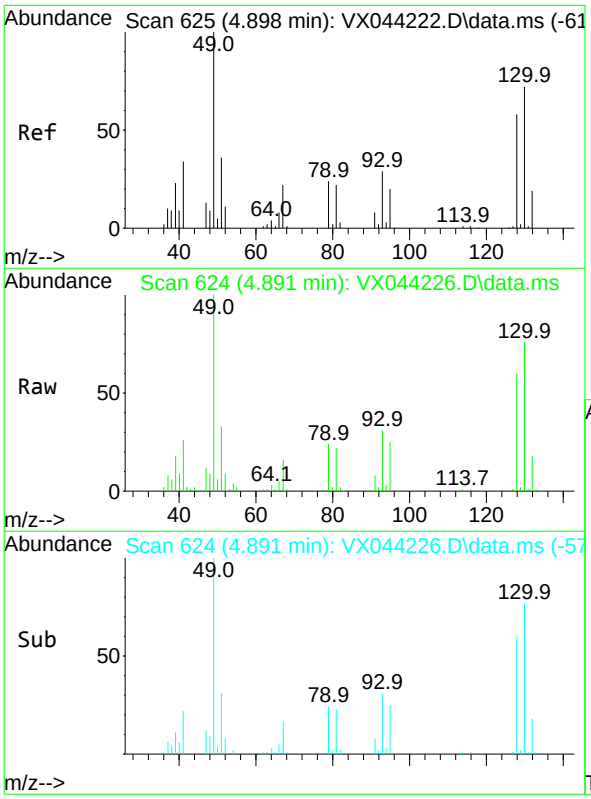
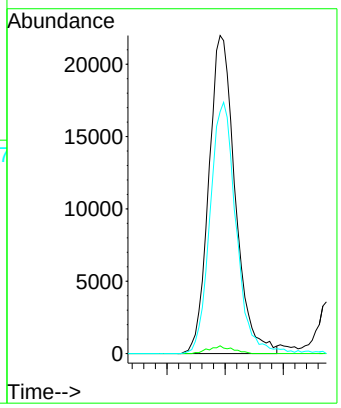


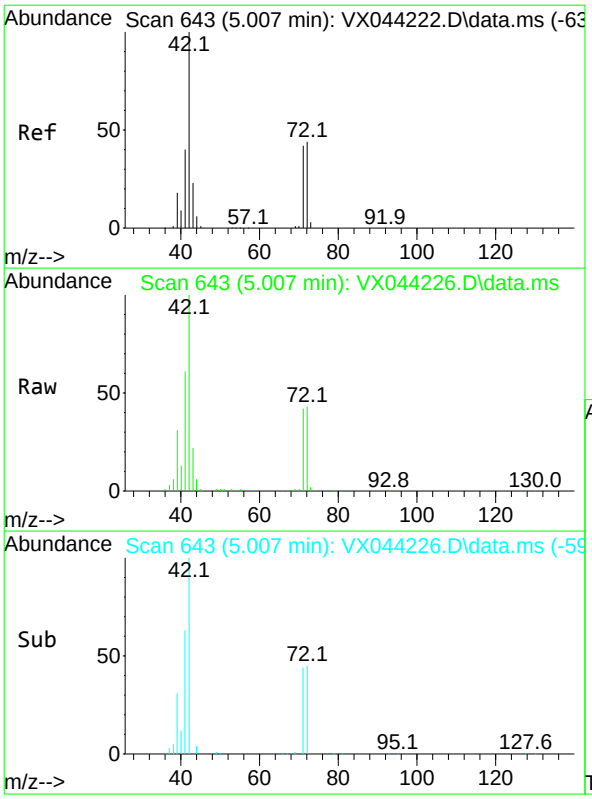


#28
Bromochloromethane
Concen: 44.832 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 49 Resp: 69139

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	78.1	62.1	93.1





#29
Tetrahydrofuran
Concen: 238.031 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 42 Resp: 208362

Ion	Ratio	Lower	Upper
42	100		
72	44.2	37.0	55.6
71	41.5	33.6	50.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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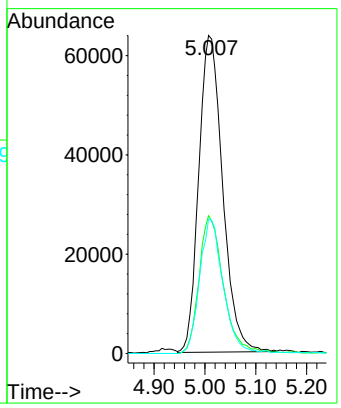
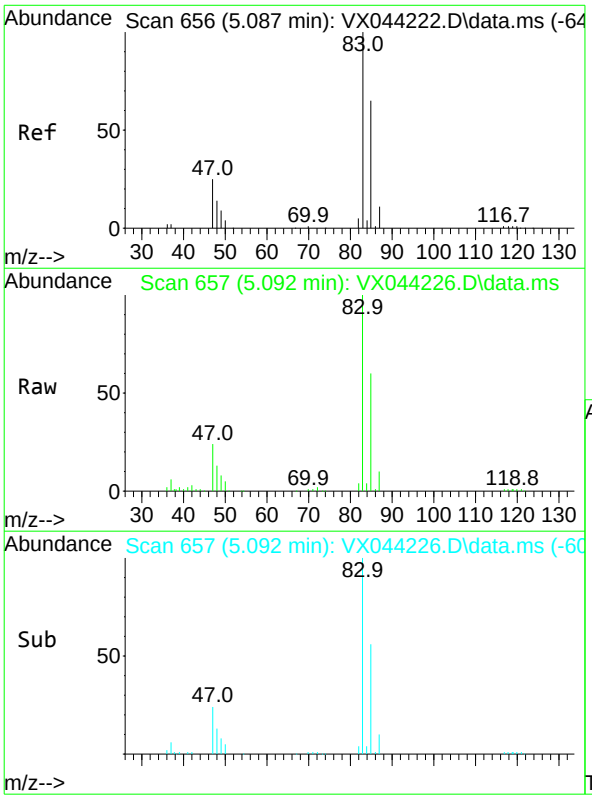
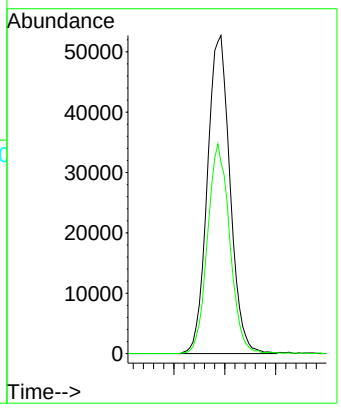


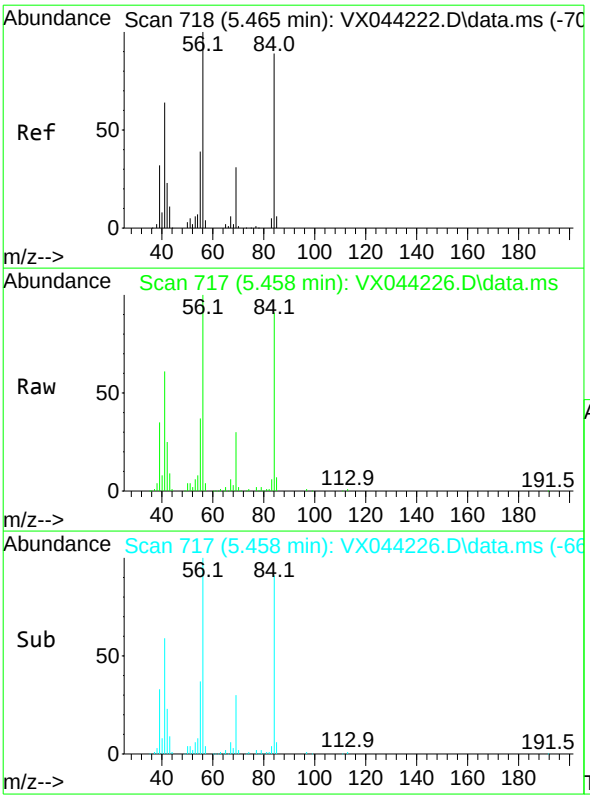


#30
Chloroform
Concen: 46.235 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 83 Resp: 163372

Ion	Ratio	Lower	Upper
83	100		
85	60.0	51.6	77.4





#31
Cyclohexane
Concen: 49.443 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 56 Resp: 125567

Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.7	37.1
84	88.8	71.0	106.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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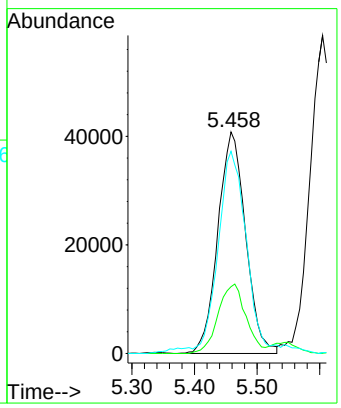
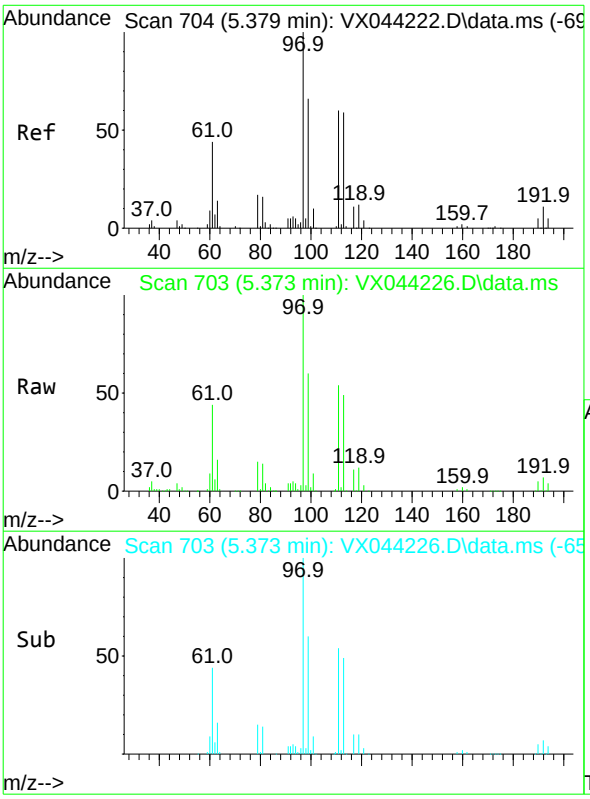
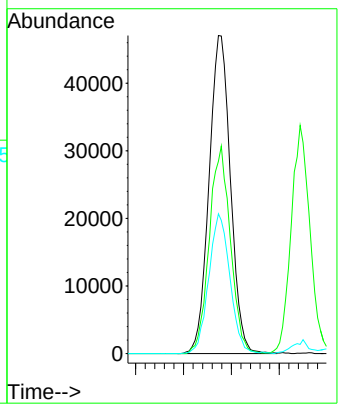


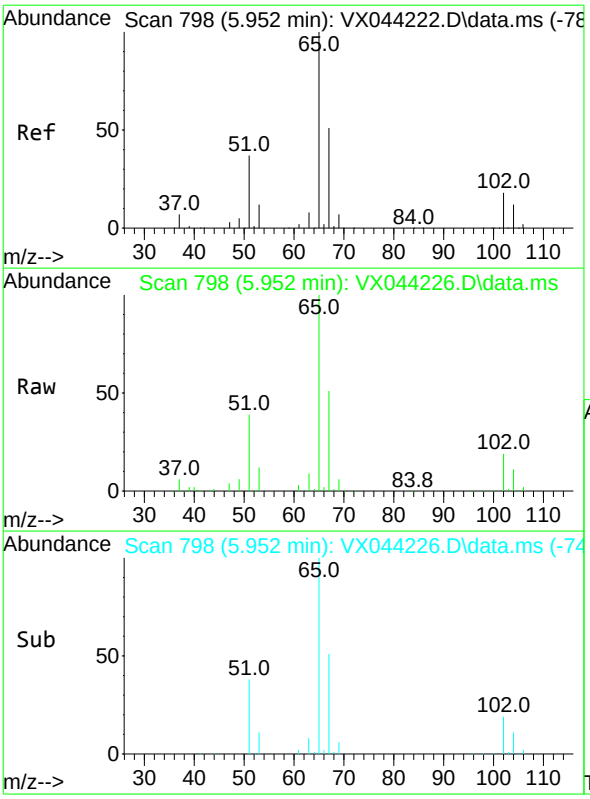


#32
1,1,1-Trichloroethane
Concen: 49.895 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 97 Resp: 146348

Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.8	76.2
61	43.3	35.2	52.8





#33
1,2-Dichloroethane-d4
Concen: 45.646 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 65 Resp: 107407

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	101.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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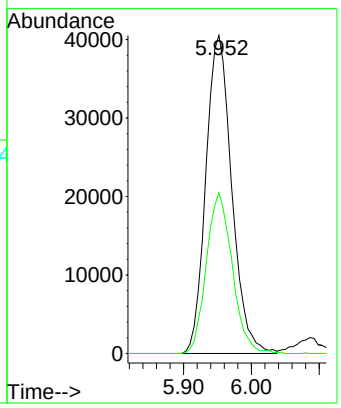
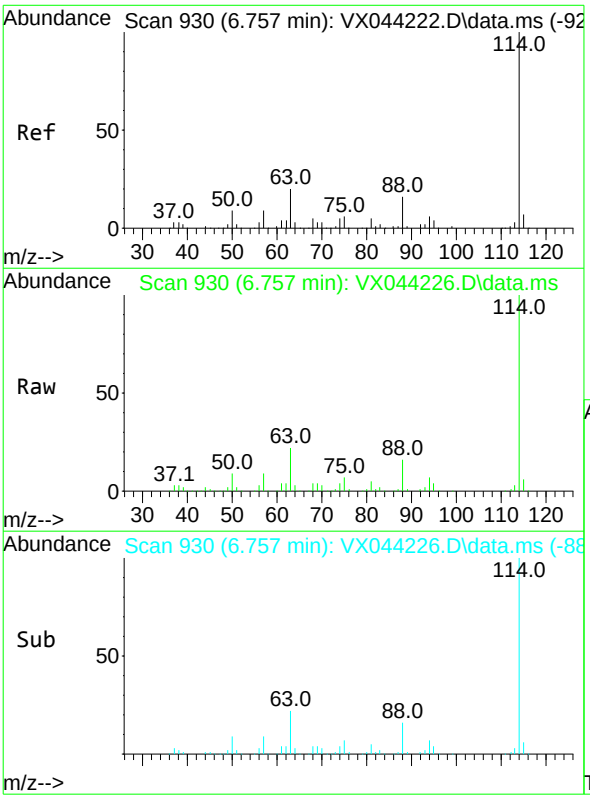
Supervised By :Mahesh Dadoda 12/12/2024

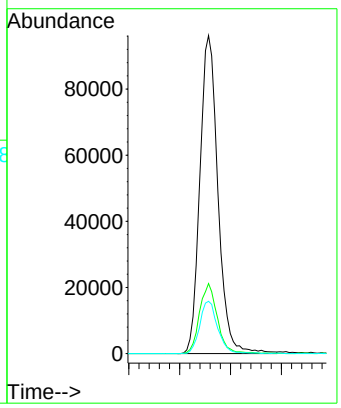


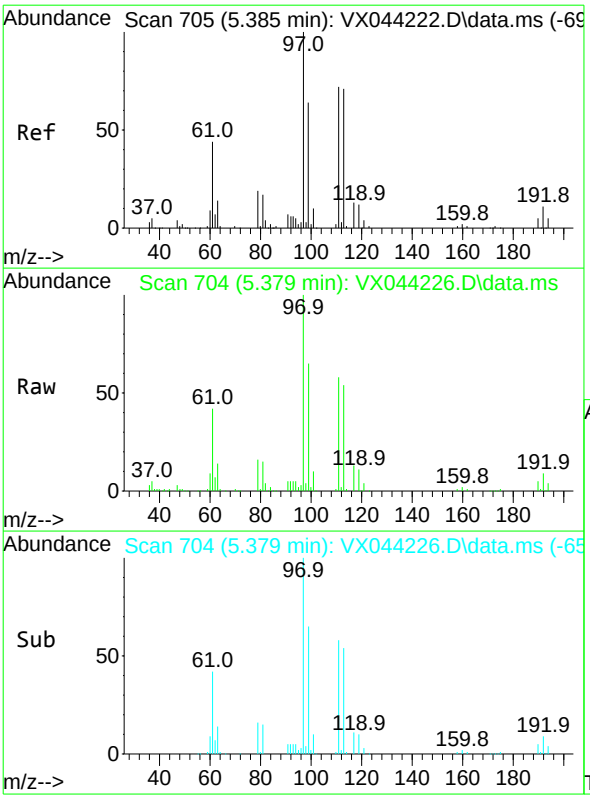


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:114 Resp: 237295

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	40.6
88	16.4	0.0	31.8





#35
Dibromofluoromethane
Concen: 47.228 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:113 Resp: 77619

Ion	Ratio	Lower	Upper
113	100		
111	103.8	80.4	120.6
192	17.5	13.3	19.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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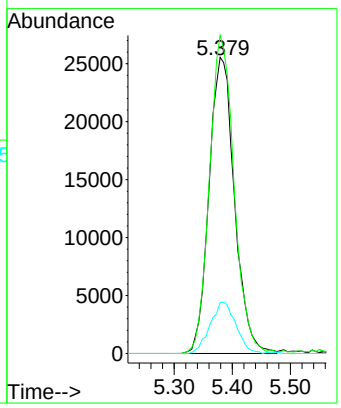
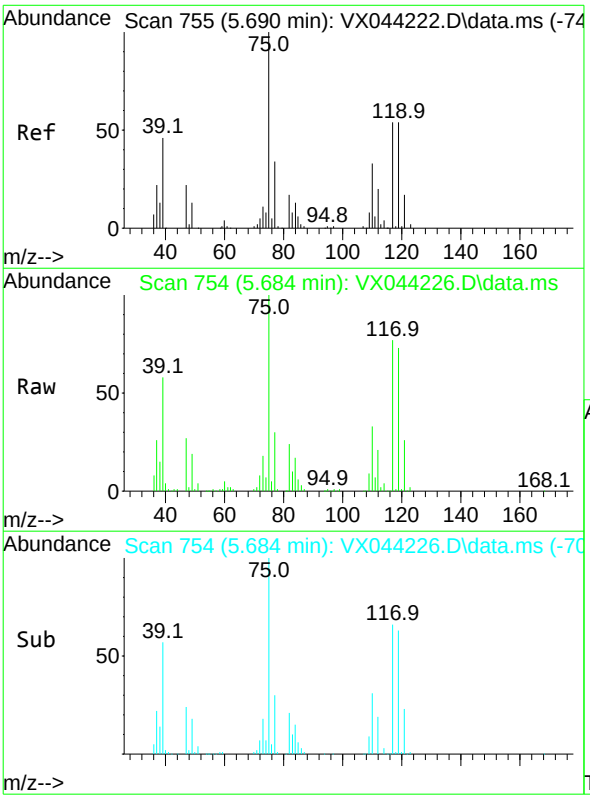
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

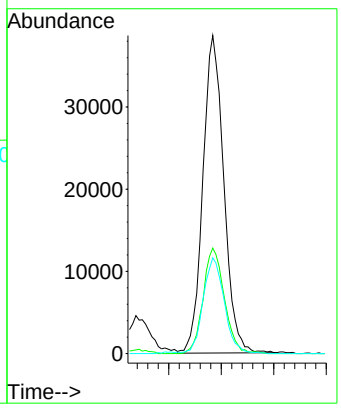


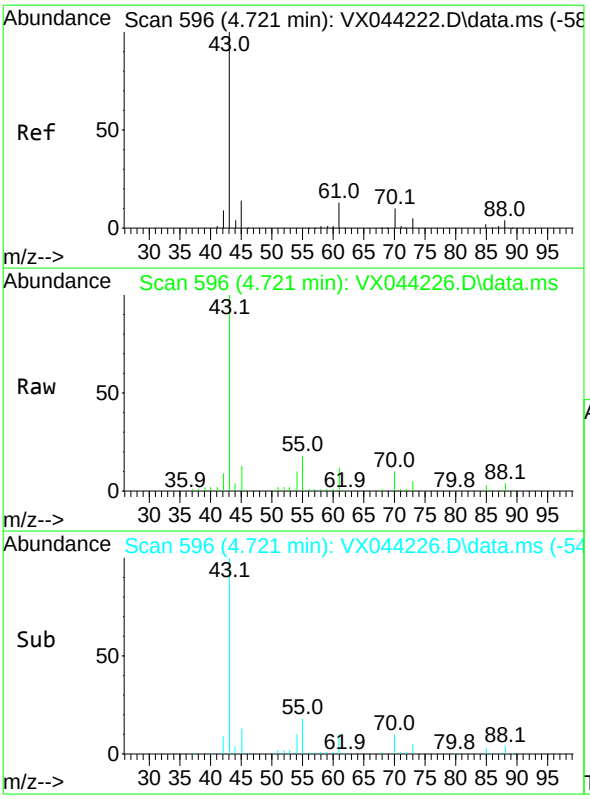


#36
1,1-Dichloropropene
Concen: 50.314 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 75 Resp: 106889

Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.3	51.7
77	30.5	25.4	38.0





#37
Ethyl Acetate
Concen: 52.176 ug/l
RT: 4.721 min Scan# 59
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 137017

Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.8	14.8
70	9.4	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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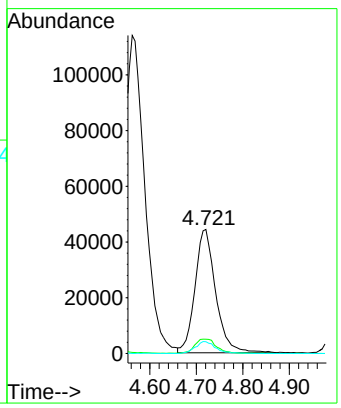
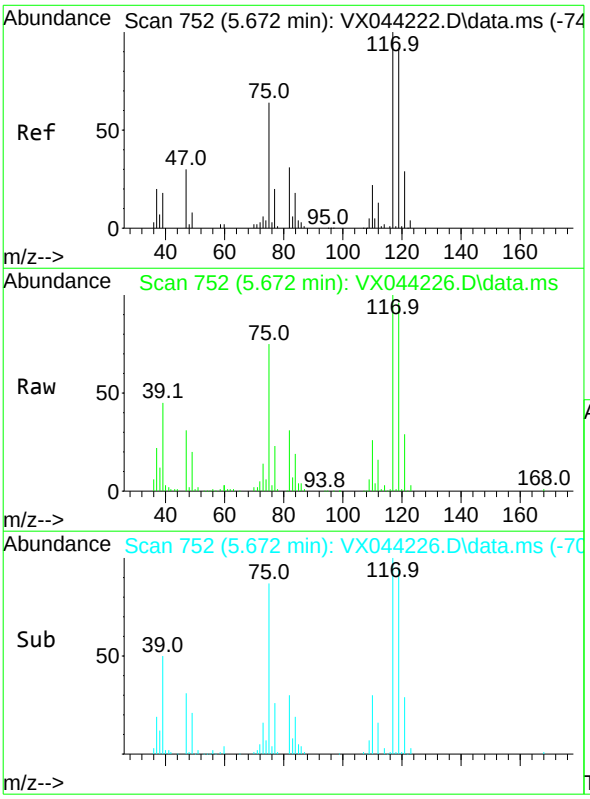
Supervised By :Mahesh Dadoda 12/12/2024

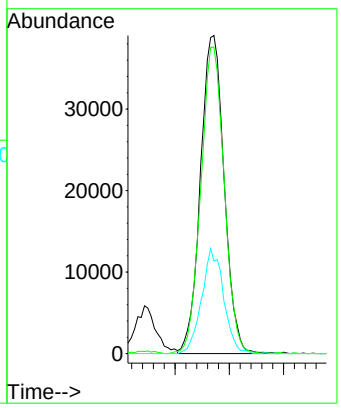


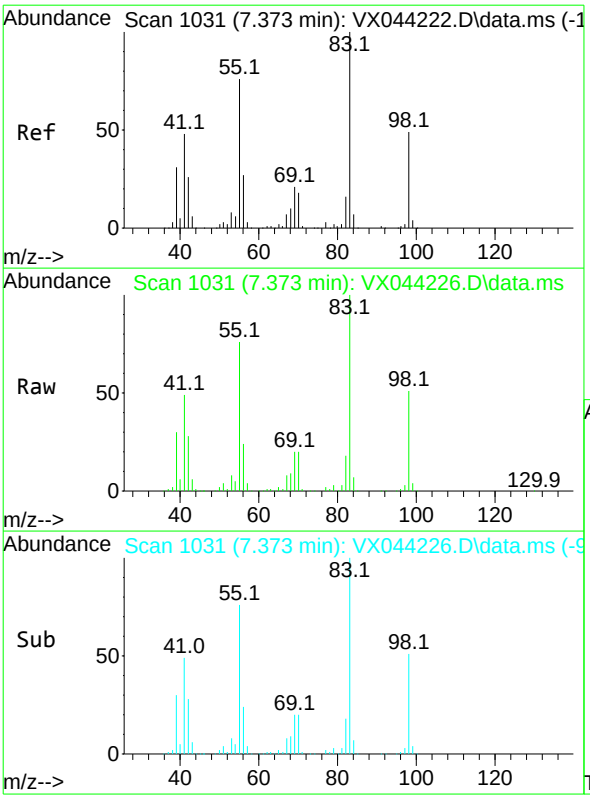


#38
Carbon Tetrachloride
Concen: 51.763 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:117 Resp: 118390

Ion	Ratio	Lower	Upper
117	100		
119	96.0	74.2	111.4
121	29.1	23.0	34.6





#39
Methylcyclohexane
Concen: 54.761 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 83 Resp: 139077

Ion	Ratio	Lower	Upper
83	100		
55	76.1	60.7	91.1
98	50.6	38.9	58.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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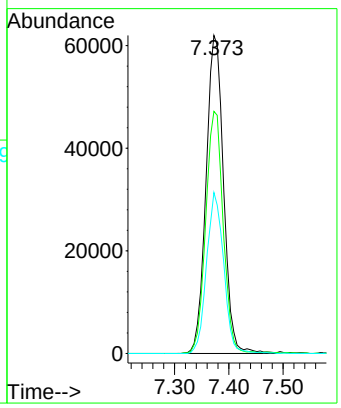
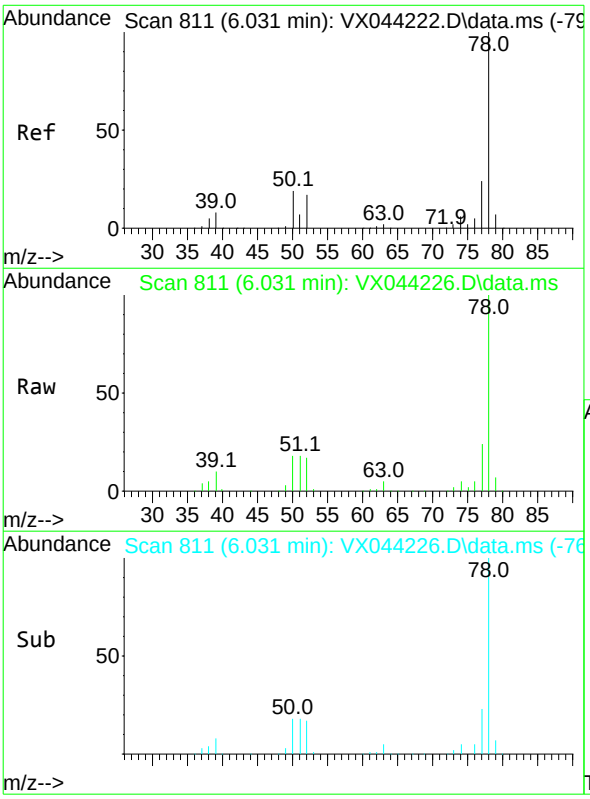
Supervised By :Mahesh Dadoda 12/12/2024

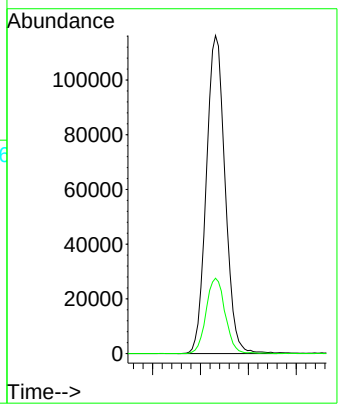


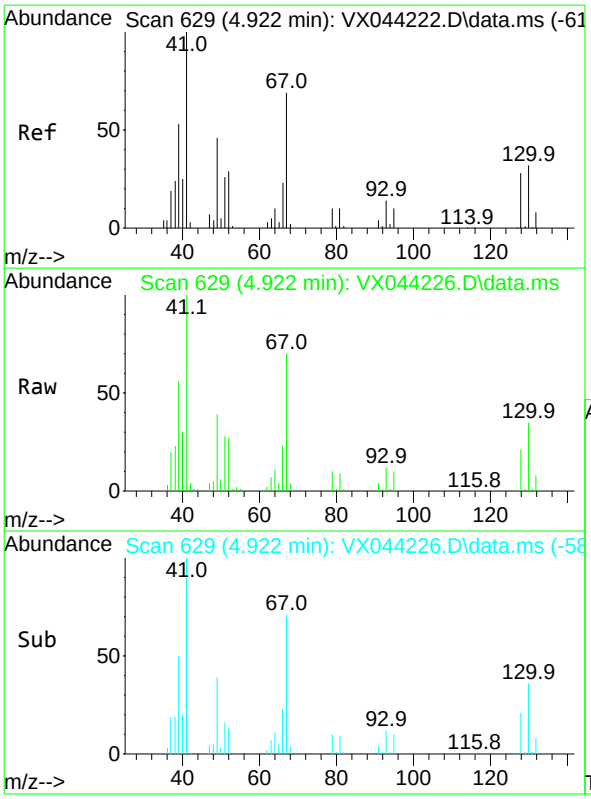


#40
Benzene
Concen: 49.052 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 78 Resp: 316391

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.3	28.9





#41
Methacrylonitrile
Concen: 48.945 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 41 Resp: 68251

Ion	Ratio	Lower	Upper
41	100		
39	56.3	44.2	66.4
67	69.8	57.2	85.8
52	33.7	24.6	37.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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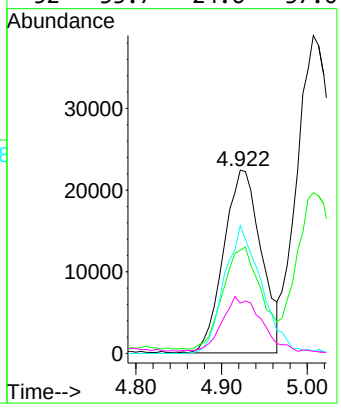
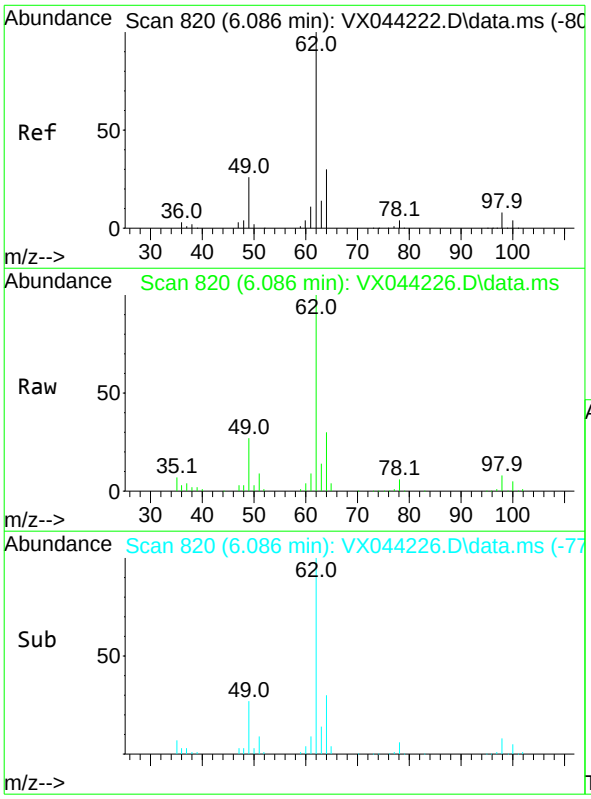
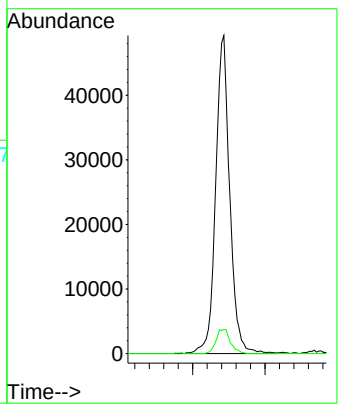


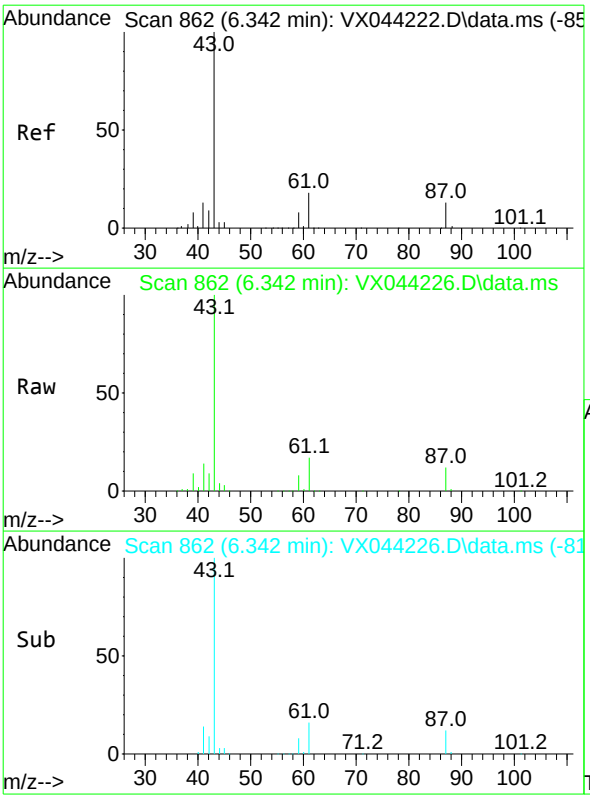


#42
1,2-Dichloroethane
Concen: 49.960 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 62 Resp: 132744

Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.8





#43
Isopropyl Acetate
Concen: 51.624 ug/l
RT: 6.342 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 211889

Ion	Ratio	Lower	Upper
43	100		
61	17.4	14.2	21.2
87	12.7	10.2	15.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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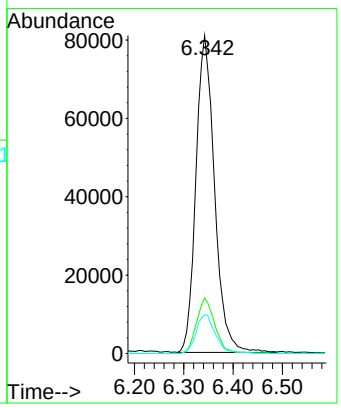
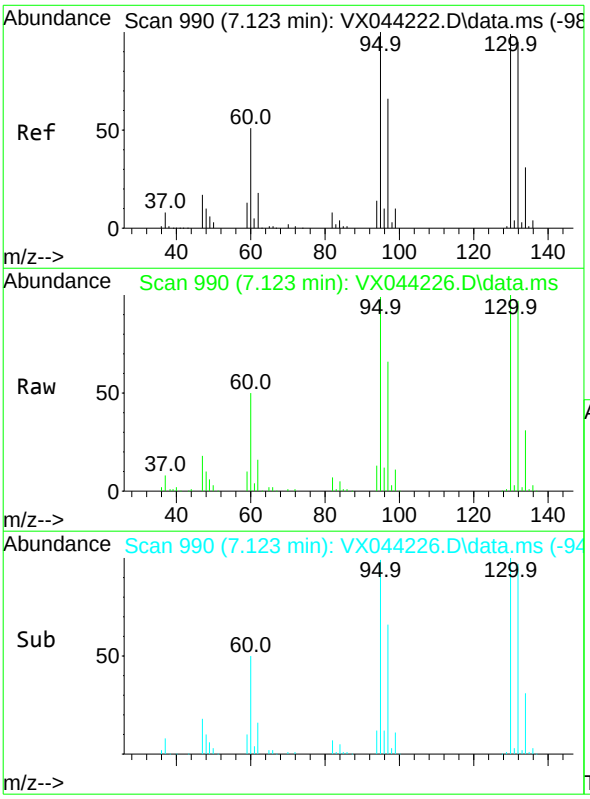
Supervised By :Mahesh Dadoda 12/12/2024

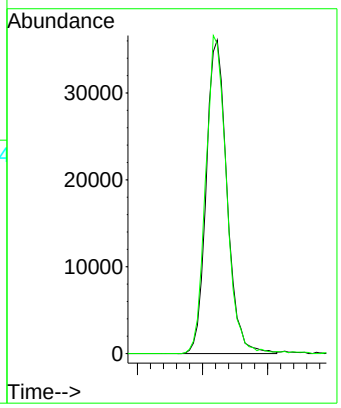


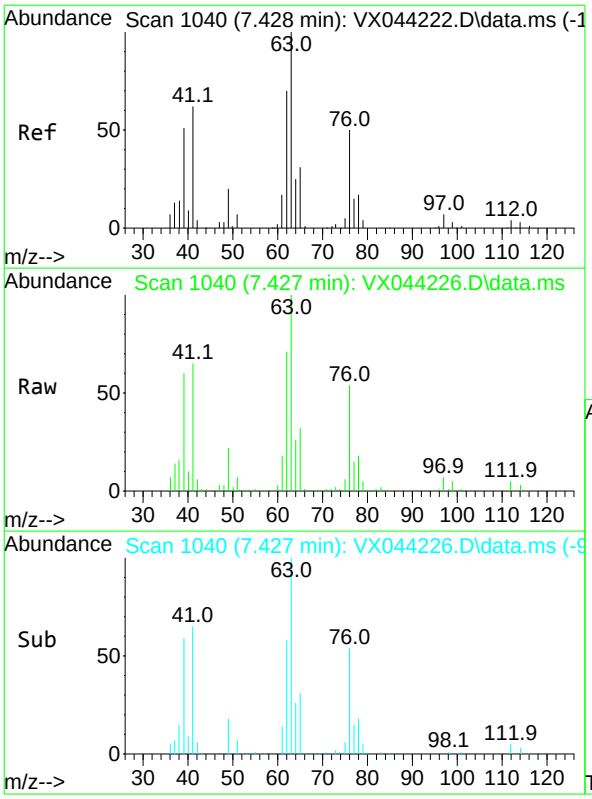


#44
Trichloroethene
Concen: 49.741 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:130 Resp: 80008

Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	201.4





#45
1,2-Dichloropropane
Concen: 47.528 ug/l
RT: 7.427 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 63 Resp: 78321

Ion	Ratio	Lower	Upper
63	100		
65	32.1	24.6	37.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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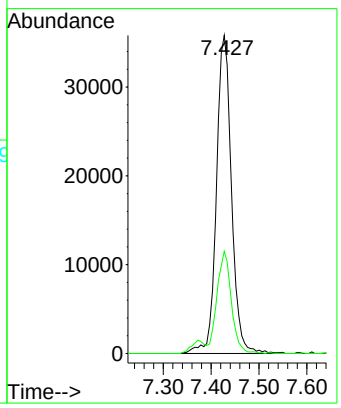
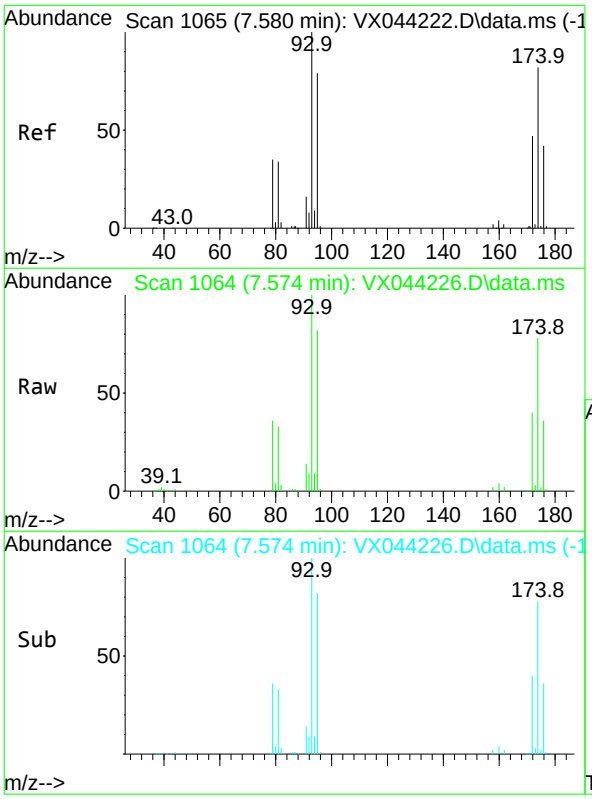
Supervised By :Mahesh Dadoda 12/12/2024

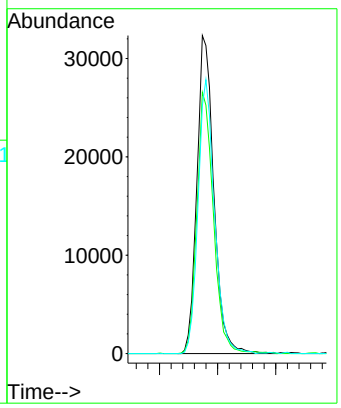


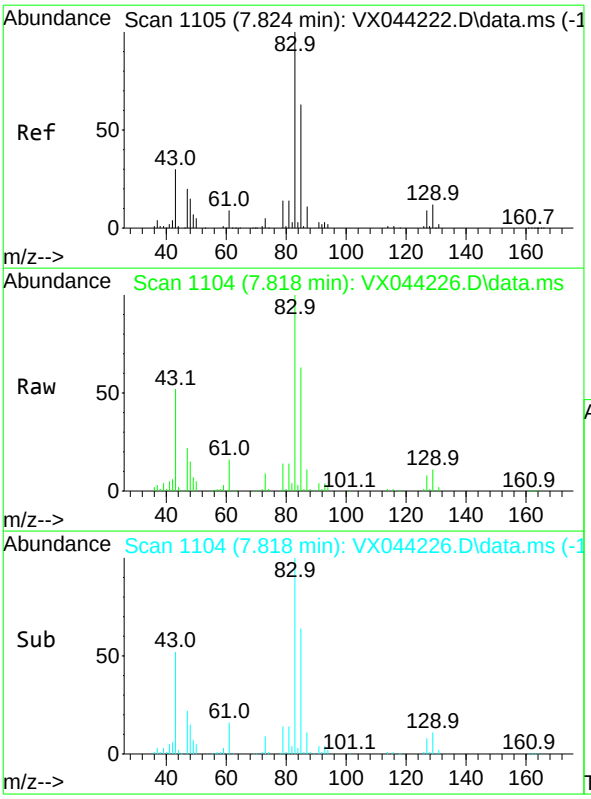


#46
Dibromomethane
Concen: 51.227 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 93 Resp: 65491

Ion	Ratio	Lower	Upper
93	100		
95	80.5	65.4	98.2
174	84.0	67.9	101.9





#47
Bromodichloromethane
Concen: 52.893 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 83 Resp: 116783

Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.6	75.8
127	7.9	7.3	10.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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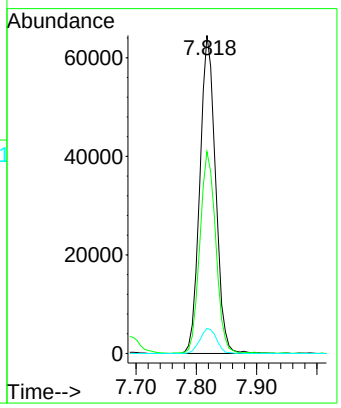
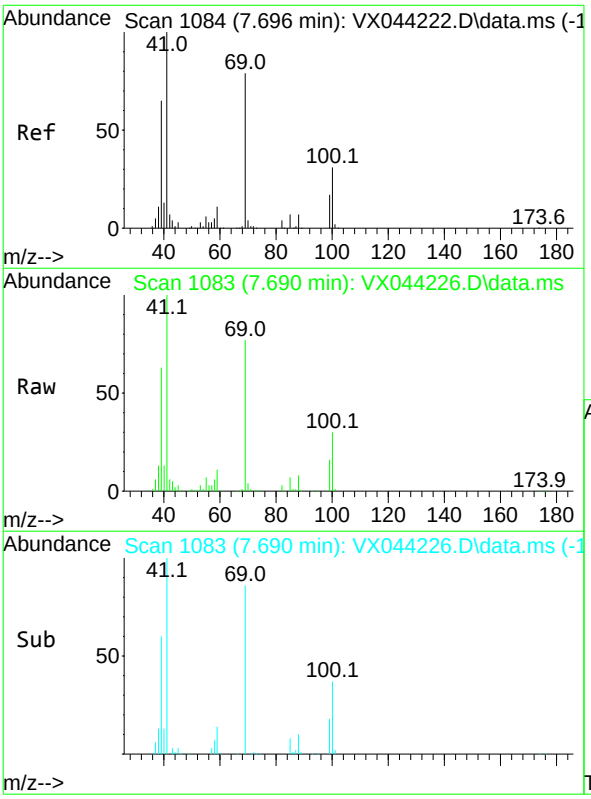
Supervised By :Mahesh Dadoda 12/12/2024

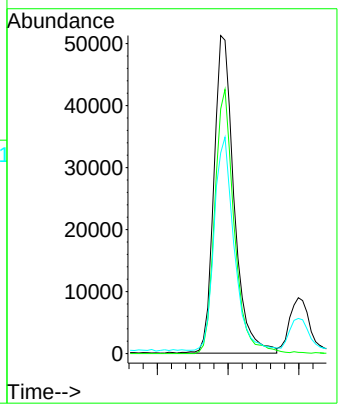


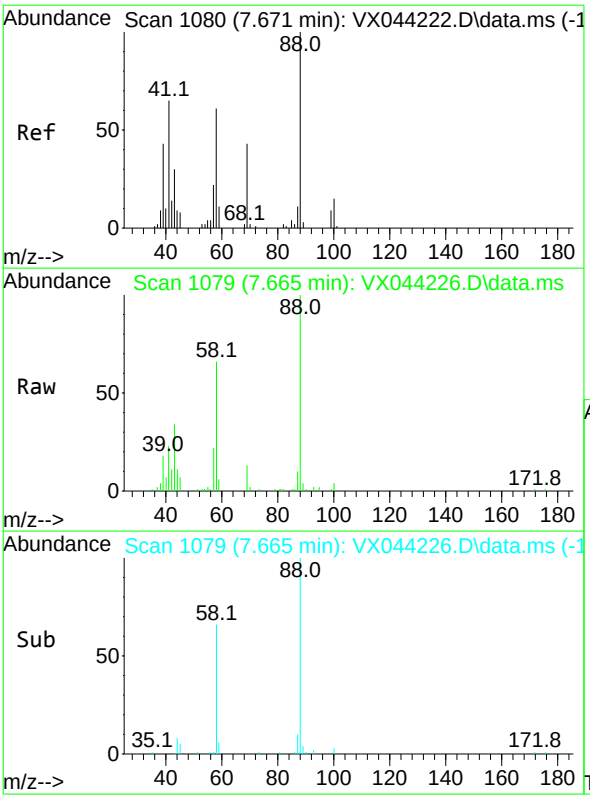


#48
Methyl methacrylate
Concen: 50.852 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 41 Resp: 101318

Ion	Ratio	Lower	Upper
41	100		
69	79.9	62.4	93.6
39	66.0	53.3	79.9





#49
1,4-Dioxane
Concen: 923.966 ug/l m
RT: 7.665 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 88 Resp: 30522

Ion	Ratio	Lower	Upper
88	100		
43	44.4	27.1	40.7#
58	60.6	41.0	61.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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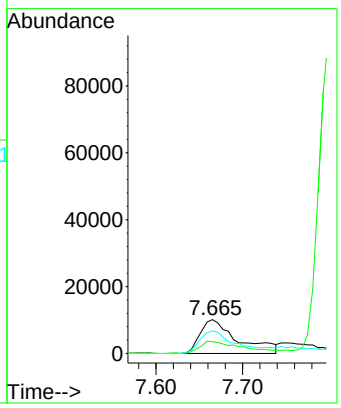
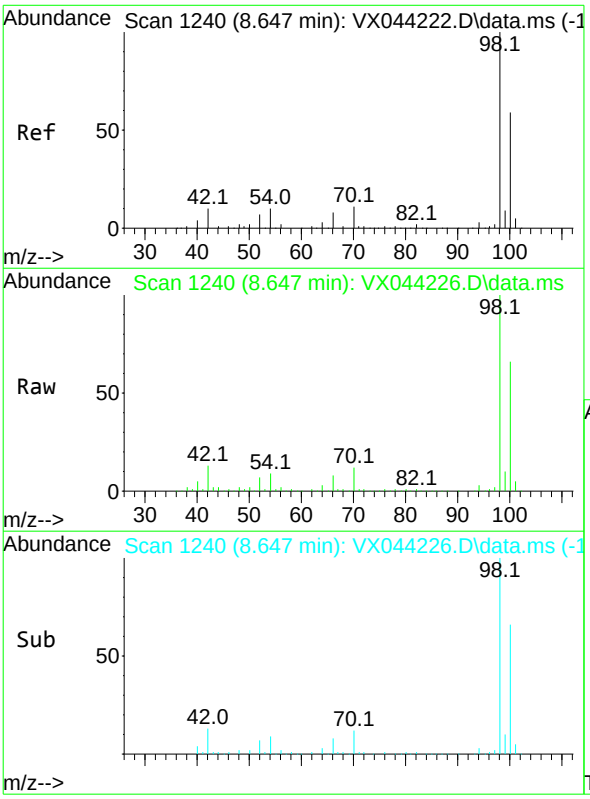
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

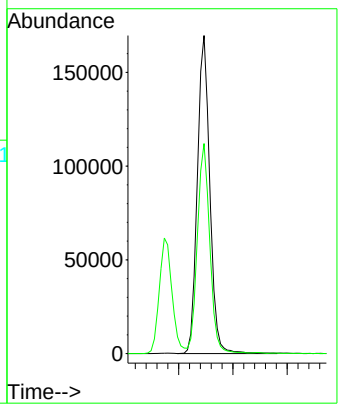


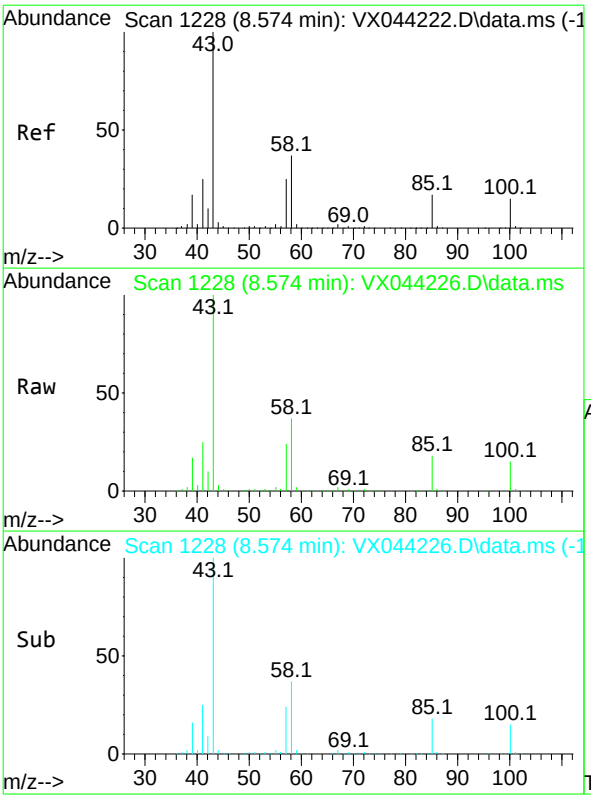


#50
Toluene-d8
Concen: 48.968 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 98 Resp: 271508

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.5	77.3





#51
4-Methyl-2-Pentanone
Concen: 255.038 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 673069

Ion	Ratio	Lower	Upper
43	100		
58	37.0	29.4	44.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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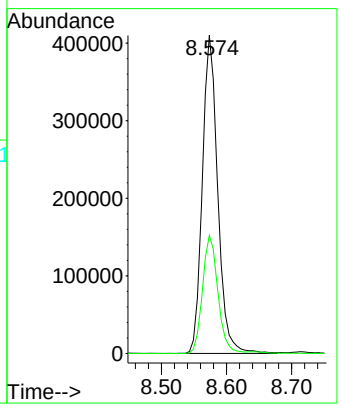
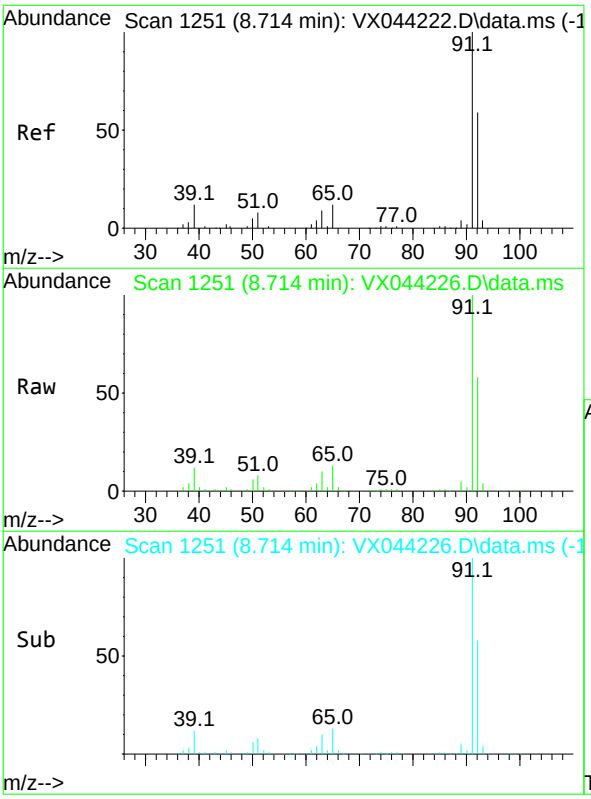
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

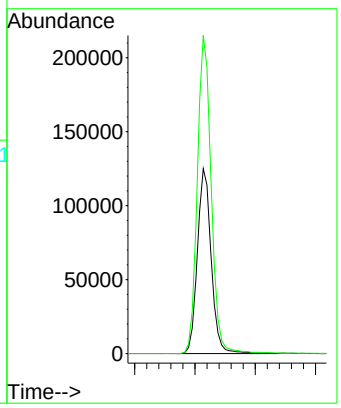


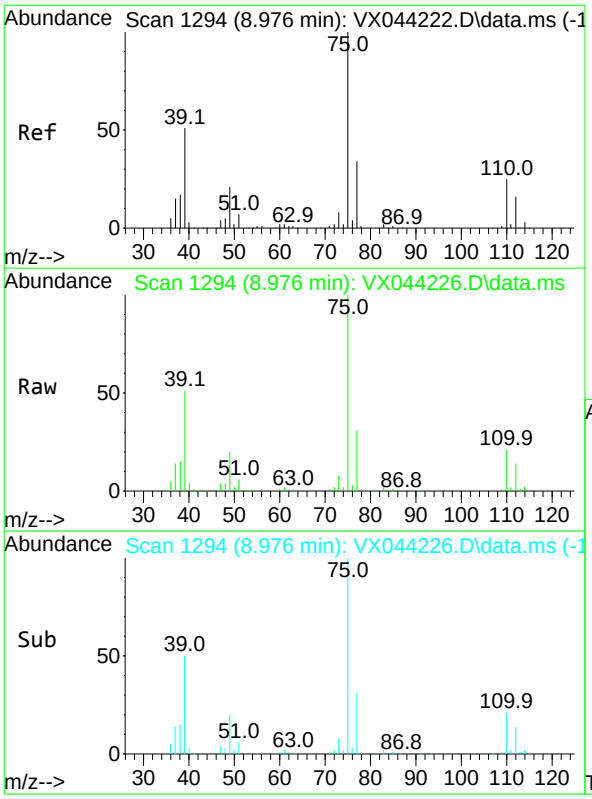


#52
Toluene
Concen: 49.199 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 92 Resp: 199281

Ion	Ratio	Lower	Upper
92	100		
91	173.2	137.0	205.6





#53
t-1,3-Dichloropropene
Concen: 50.864 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

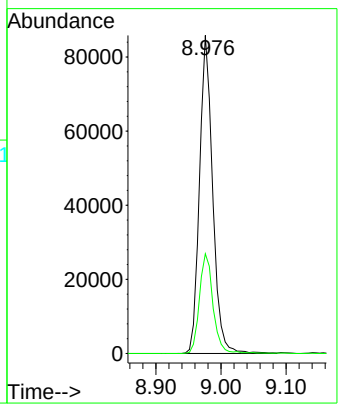
Tgt Ion: 75 Resp: 120696

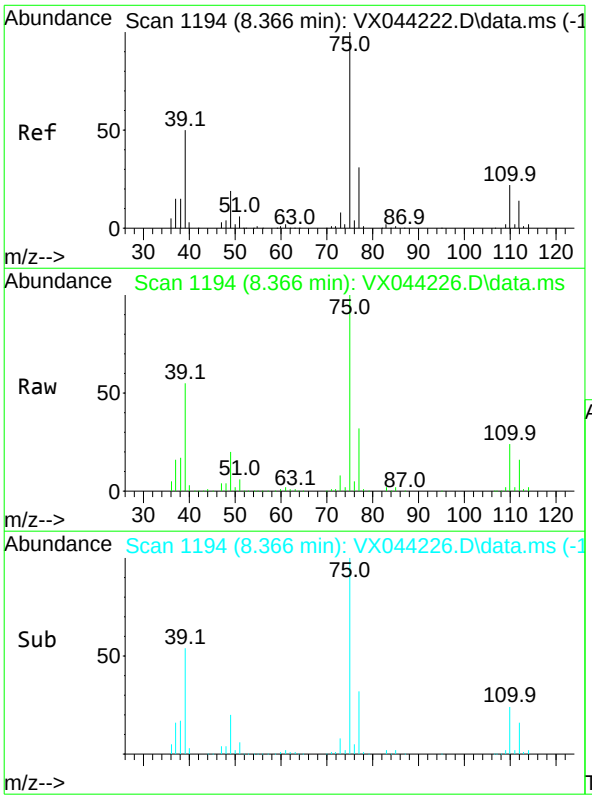
Ion	Ratio	Lower	Upper
75	100		
77	31.4	27.2	40.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

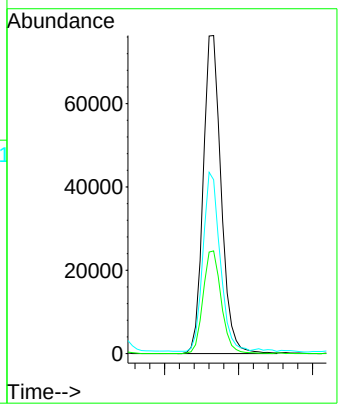


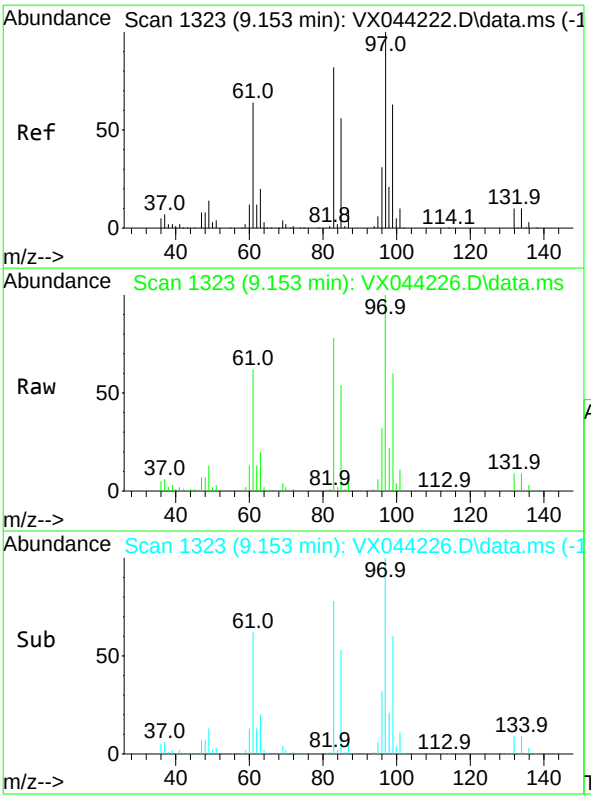


#54
cis-1,3-Dichloropropene
Concen: 53.607 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 75 Resp: 128875

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.7	37.1
39	53.9	40.3	60.5





#55
1,1,2-Trichloroethane
Concen: 50.562 ug/l
RT: 9.153 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 97 Resp: 81362

Ion	Ratio	Lower	Upper
97	100		
83	78.3	65.3	97.9
85	53.6	44.6	67.0
99	59.6	50.2	75.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
APPROVED

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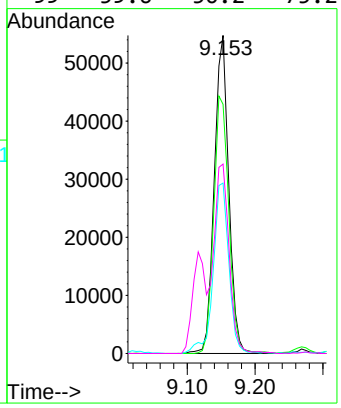
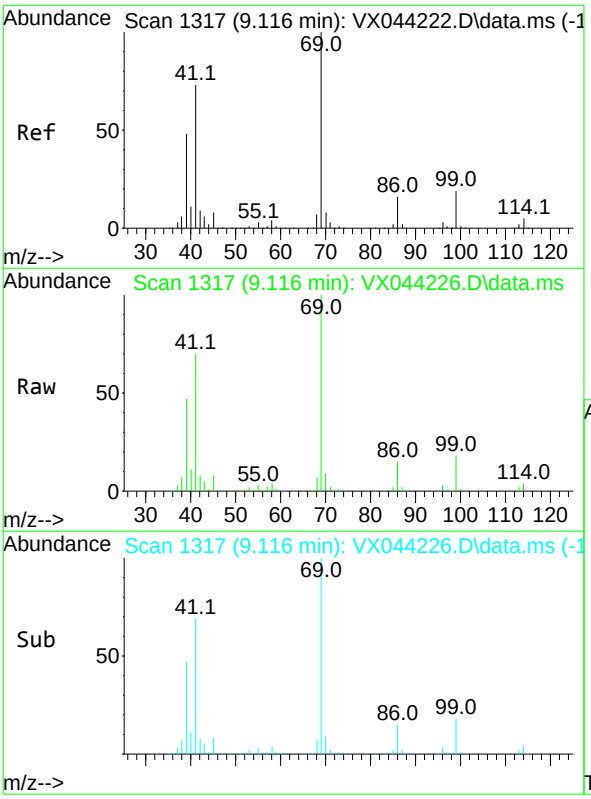
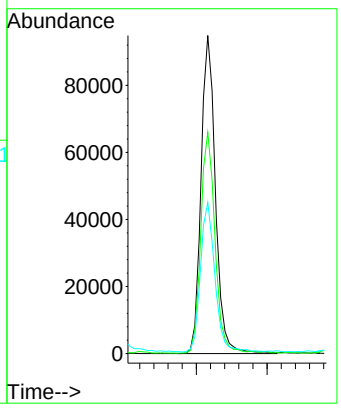


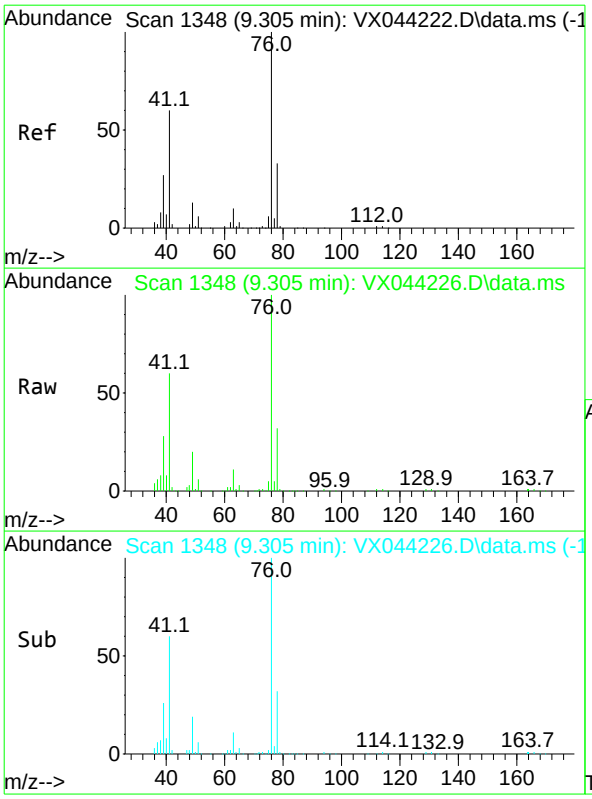


#56
Ethyl methacrylate
Concen: 52.890 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 69 Resp: 134357

Ion	Ratio	Lower	Upper
69	100		
41	68.6	56.6	85.0
39	47.2	37.4	56.0





#57
1,3-Dichloropropane
Concen: 49.165 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 76 Resp: 137705

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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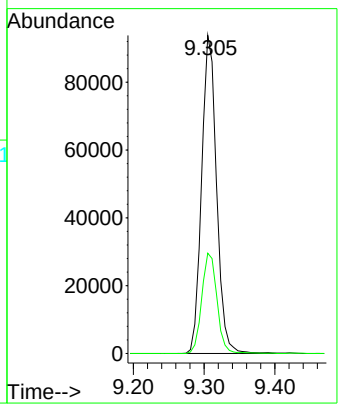
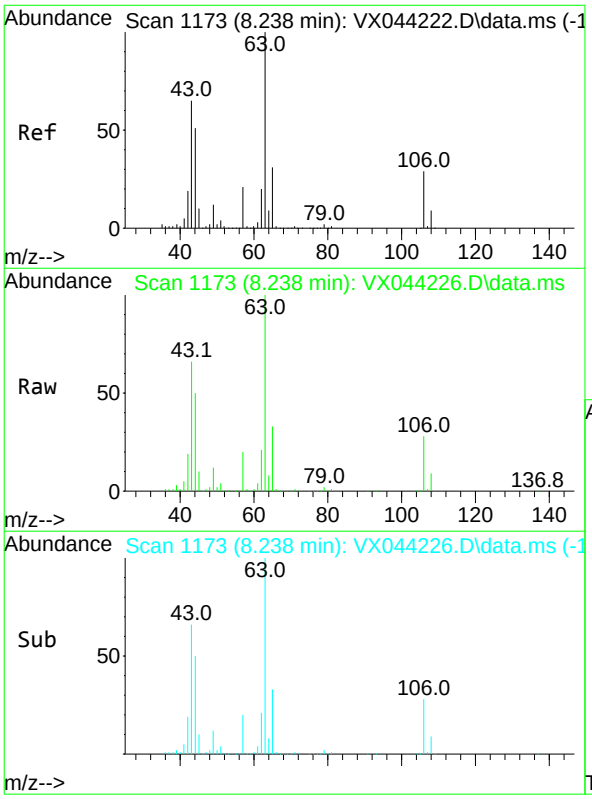
Supervised By :Mahesh Dadoda 12/12/2024

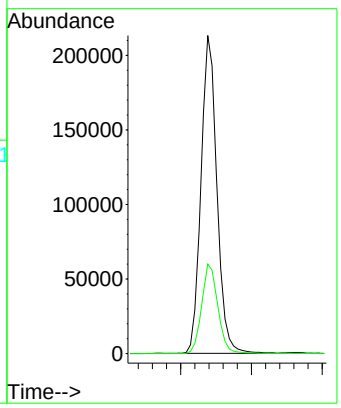


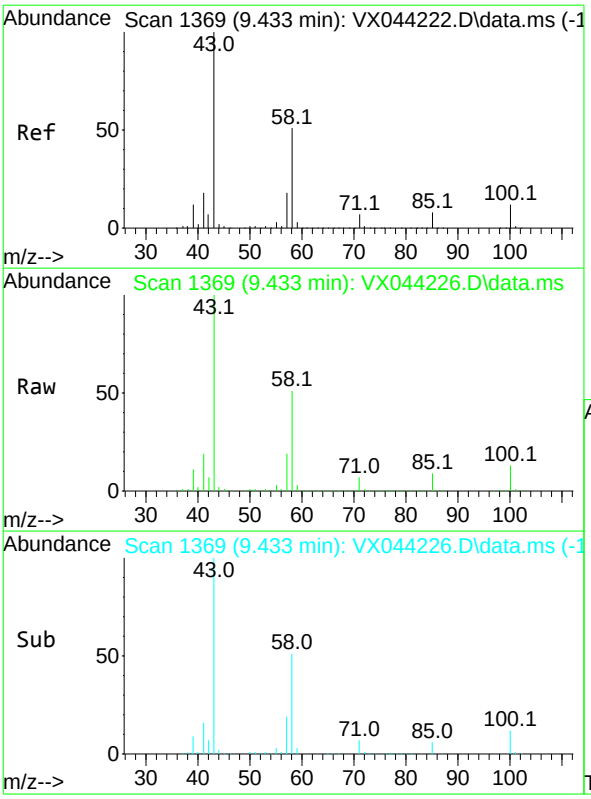


#58
2-Chloroethyl Vinyl ether
Concen: 259.586 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 63 Resp: 332599

Ion	Ratio	Lower	Upper
63	100		
106	28.6	22.8	34.2





#59
2-Hexanone
Concen: 271.943 ug/l
RT: 9.433 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 519476

Ion	Ratio	Lower	Upper
43	100		
58	50.7	25.7	77.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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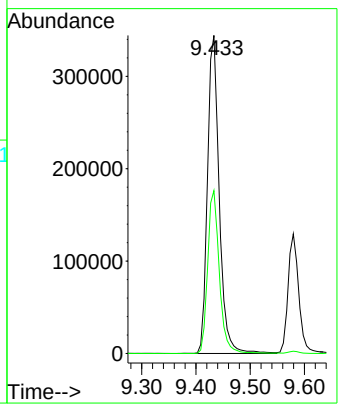
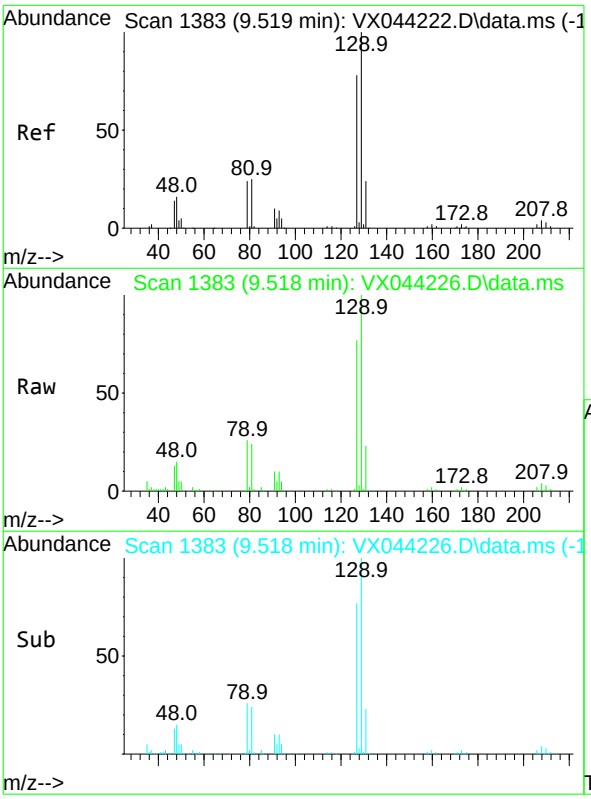
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

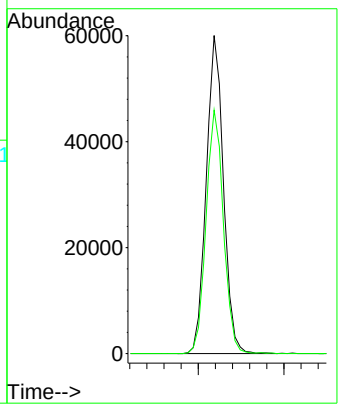


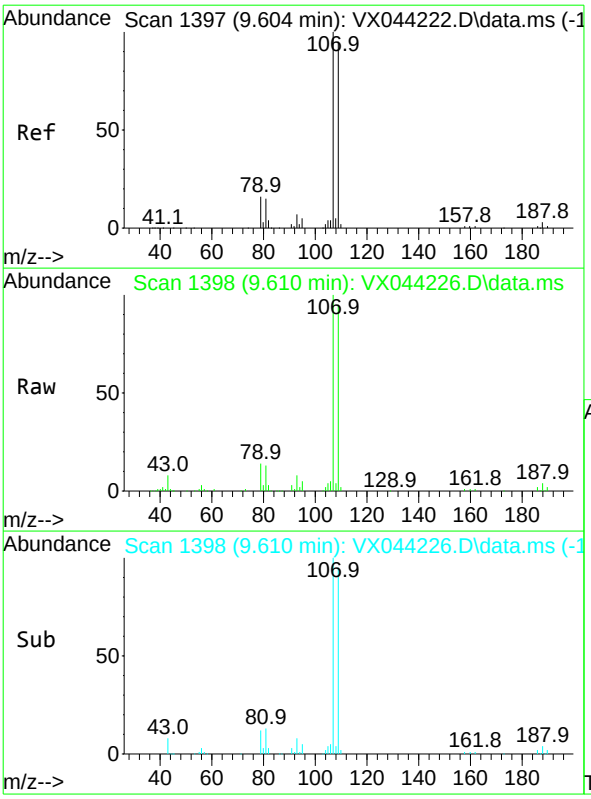


#60
Dibromochloromethane
Concen: 49.073 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:129 Resp: 83515

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.3





#61
1,2-Dibromoethane
Concen: 51.909 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:107 Resp: 85024

Ion	Ratio	Lower	Upper
107	100		
109	93.7	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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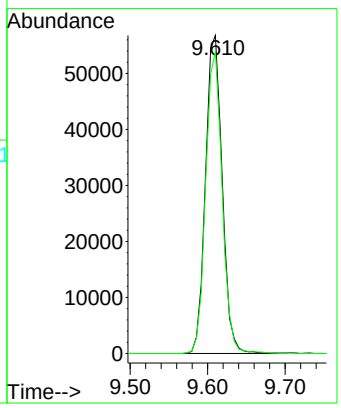
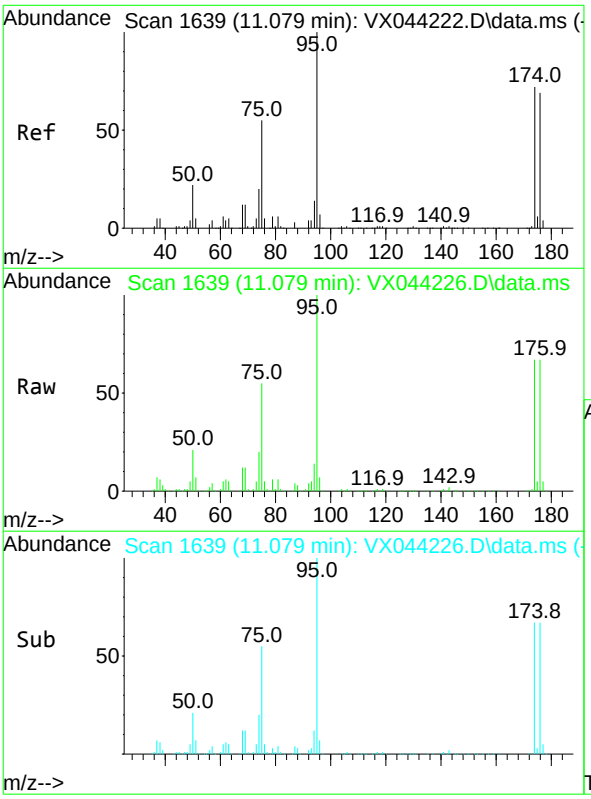
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

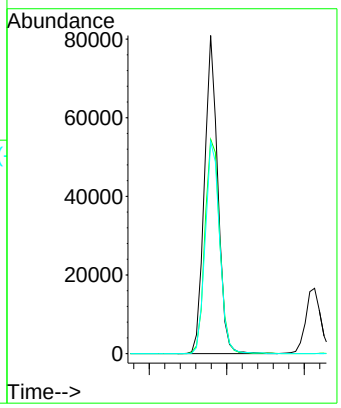


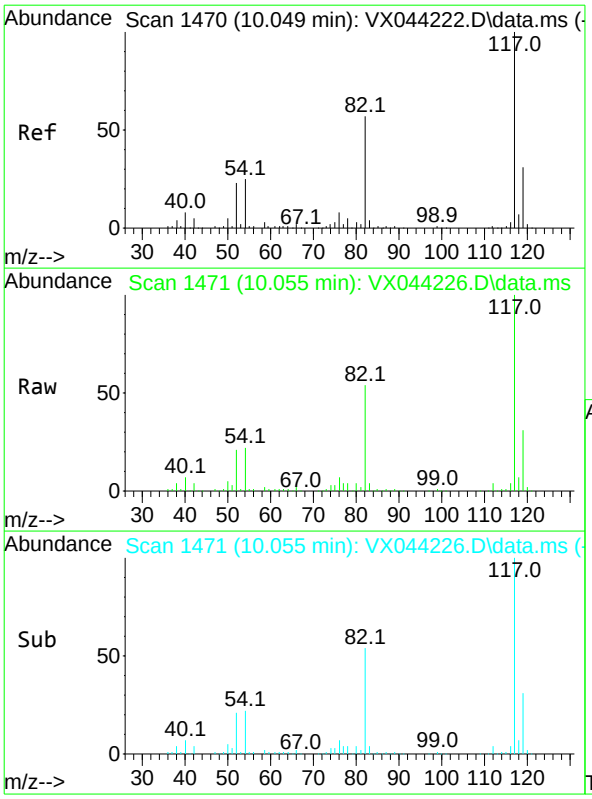


#62
4-Bromofluorobenzene
Concen: 50.098 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 95 Resp: 97061

Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	145.8
176	71.4	0.0	137.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

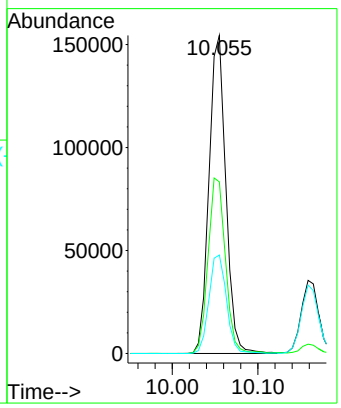
Tgt Ion:117 Resp: 210572

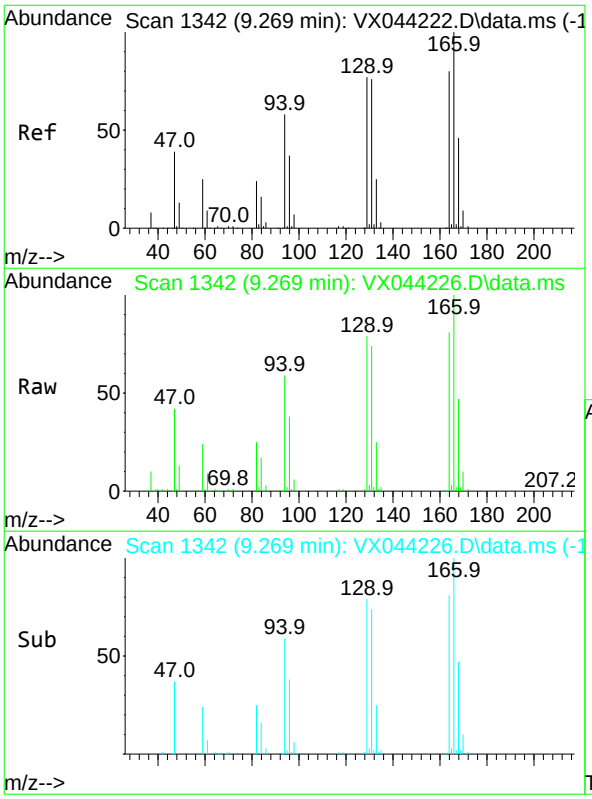
Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.8	68.8
119	31.0	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

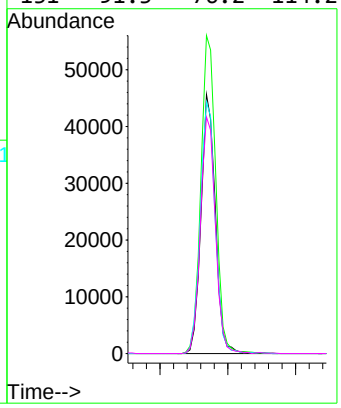


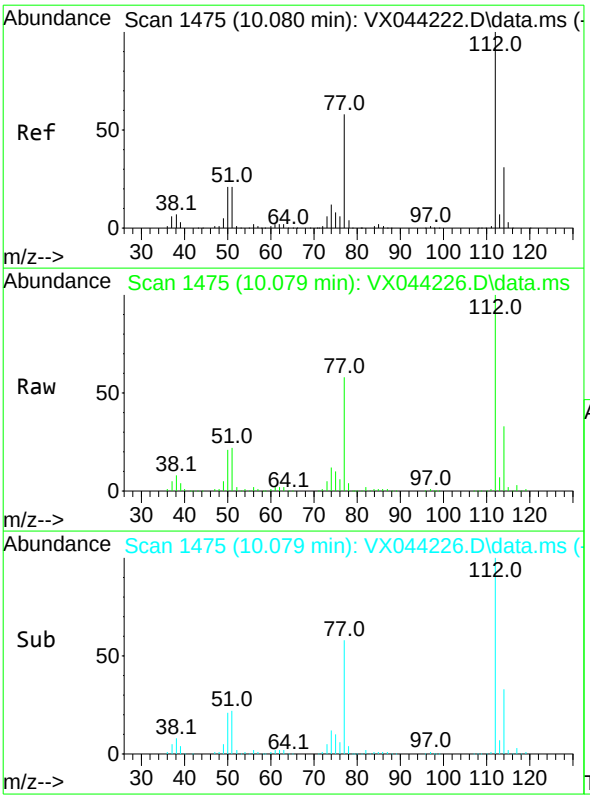


#64
Tetrachloroethene
Concen: 47.702 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:164 Resp: 66669

Ion	Ratio	Lower	Upper
164	100		
166	122.8	100.4	150.6
129	97.2	77.2	115.8
131	91.3	76.2	114.2





#65
Chlorobenzene
Concen: 48.133 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:112 Resp: 217180

Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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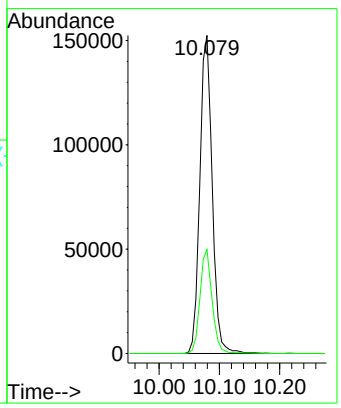
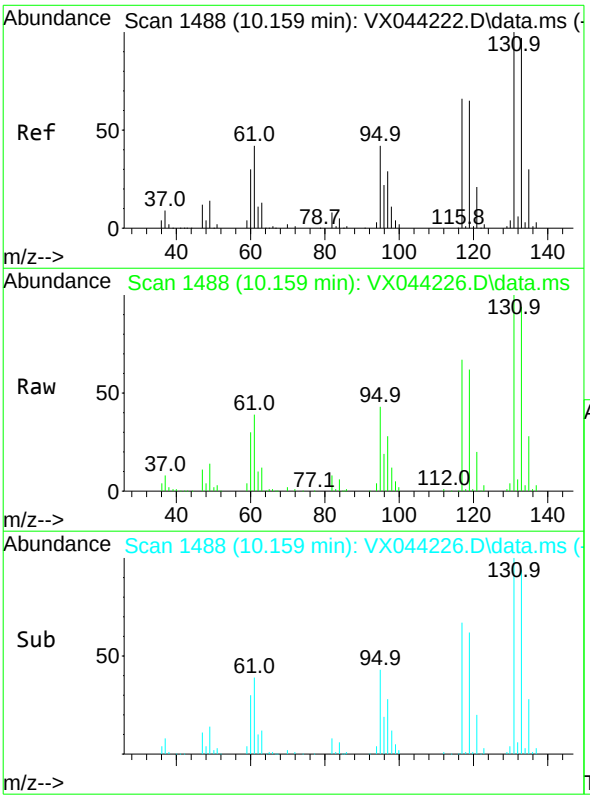
Supervised By :Mahesh Dadoda 12/12/2024

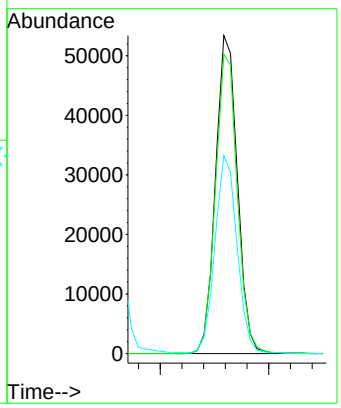


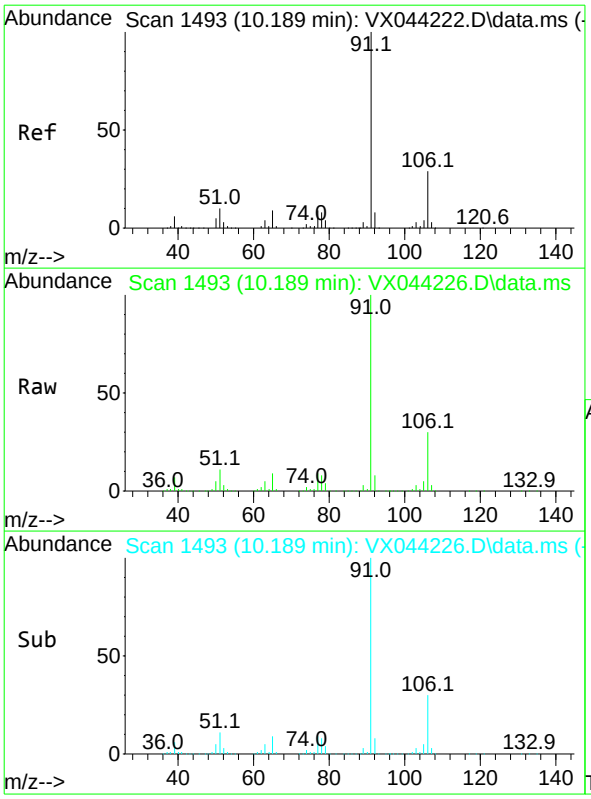


#66
1,1,1,2-Tetrachloroethane
Concen: 51.396 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:131 Resp: 74531

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.3	141.8
119	63.3	31.6	95.0





#67
Ethyl Benzene
Concen: 49.461 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 91 Resp: 385605

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.5	35.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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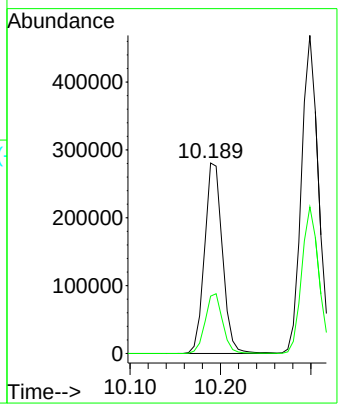
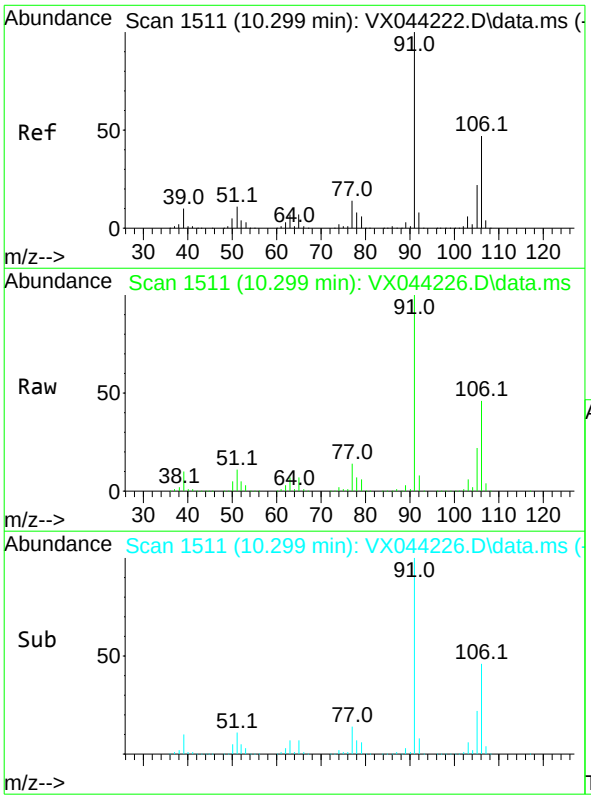
Supervised By :Mahesh Dadoda 12/12/2024

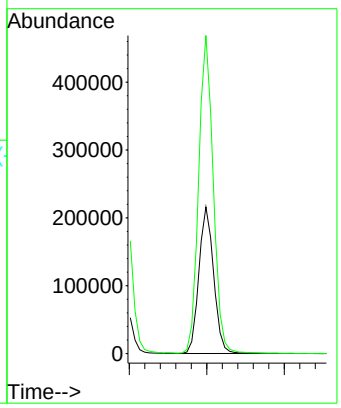


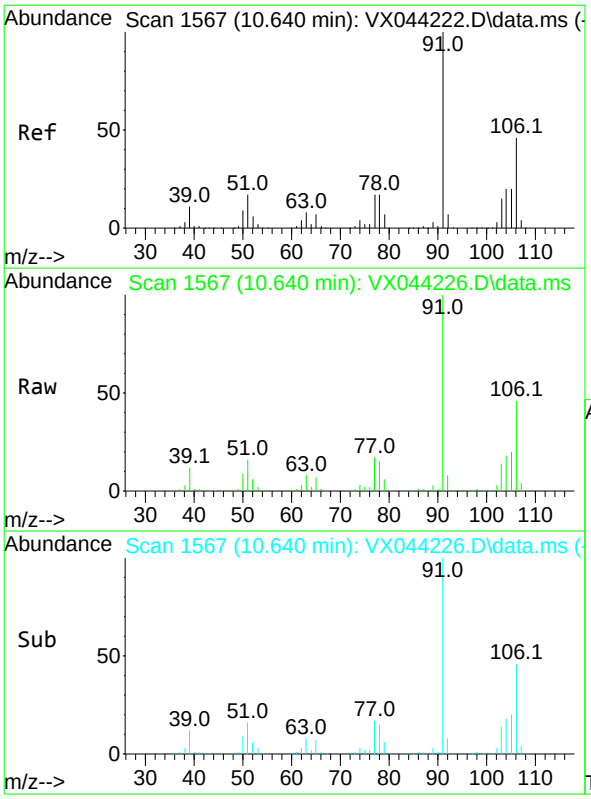


#68
m/p-Xylenes
Concen: 99.896 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:106 Resp: 285774

Ion	Ratio	Lower	Upper
106	100		
91	214.6	170.2	255.2





#69
o-Xylene
Concen: 49.750 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:106 Resp: 144001

Ion	Ratio	Lower	Upper
106	100		
91	221.9	112.3	337.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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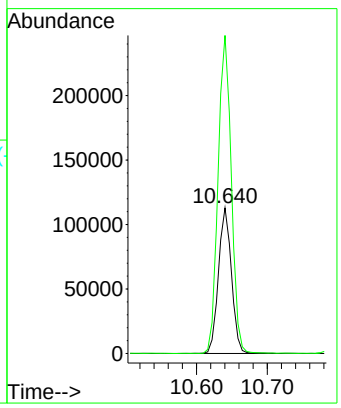
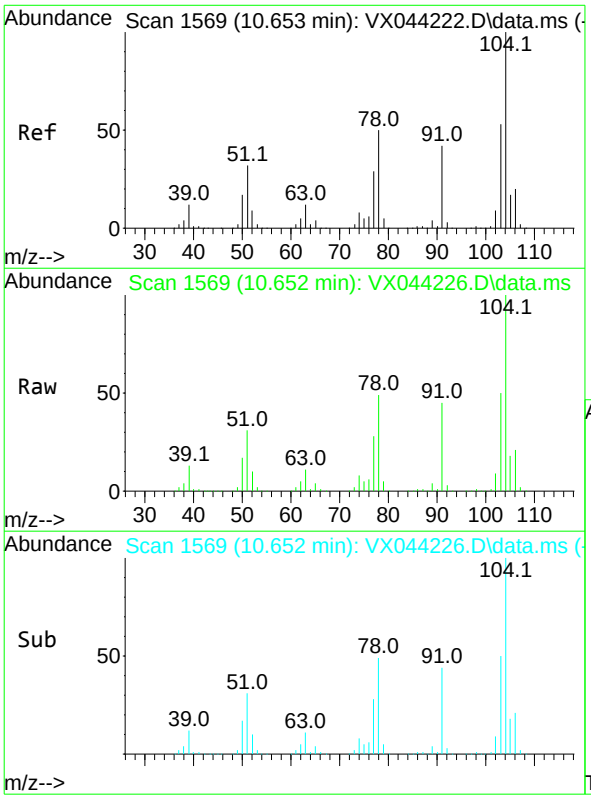
Supervised By :Mahesh Dadoda 12/12/2024

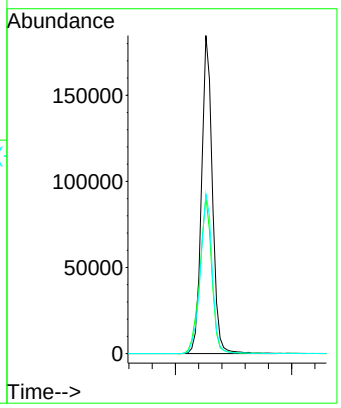


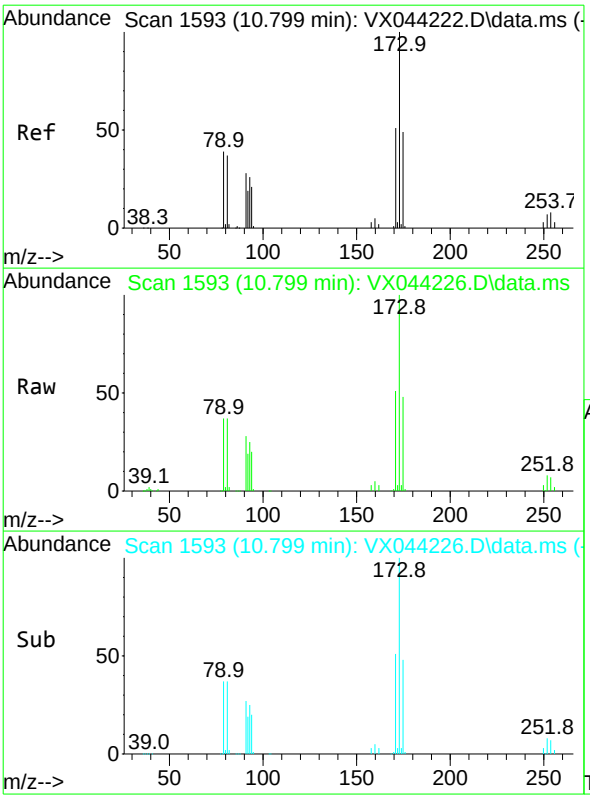


#70
Styrene
Concen: 51.617 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:104 Resp: 239508

Ion	Ratio	Lower	Upper
104	100		
78	54.5	44.6	67.0
103	54.9	45.4	68.0





#71
Bromoform
Concen: 50.269 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion:173 Resp: 50972

Ion	Ratio	Lower	Upper
173	100		
175	47.1	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
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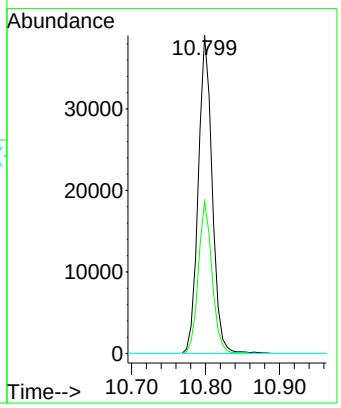
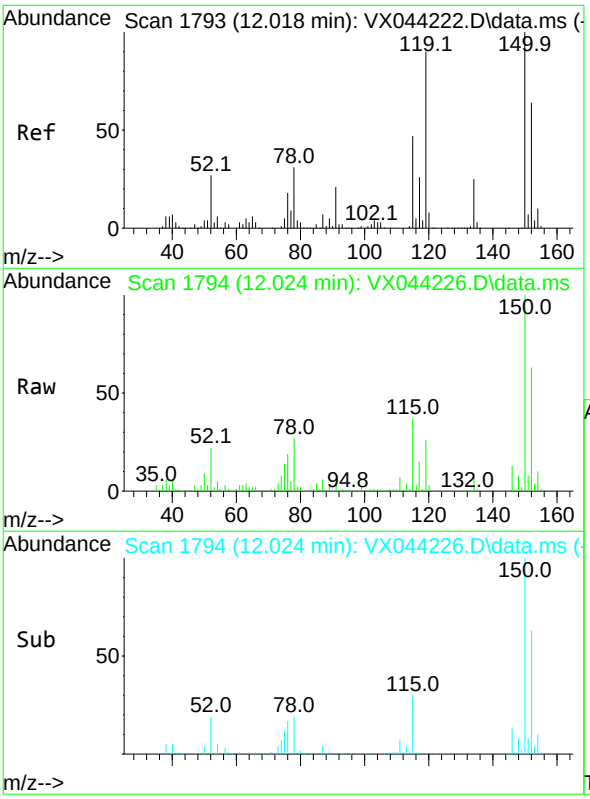
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

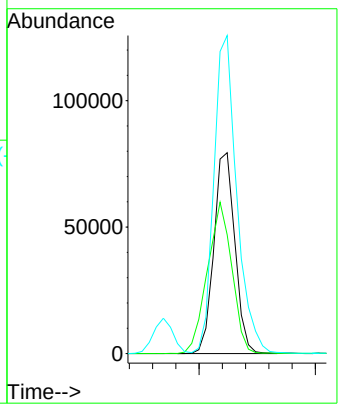


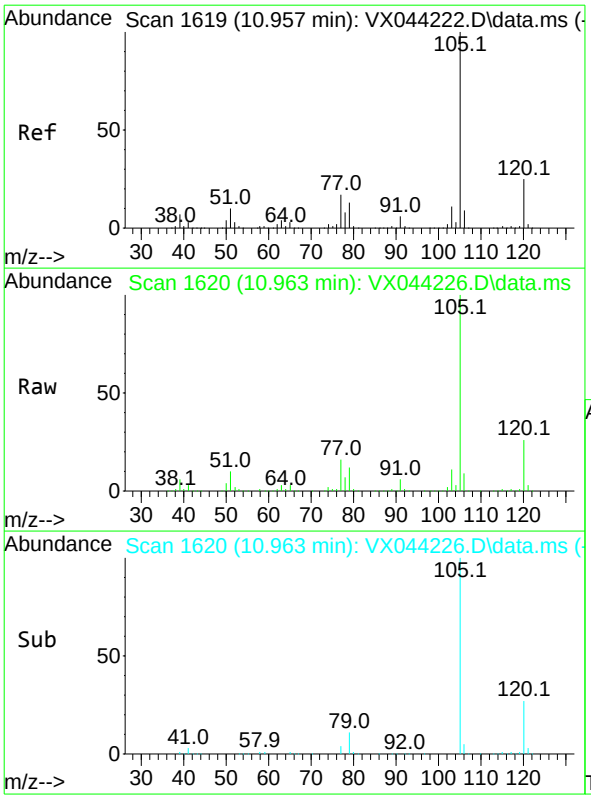


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:152 Resp: 99879

Ion	Ratio	Lower	Upper
152	100		
115	87.8	44.5	133.3
150	172.2	0.0	353.8





#73
Isopropylbenzene
Concen: 49.014 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

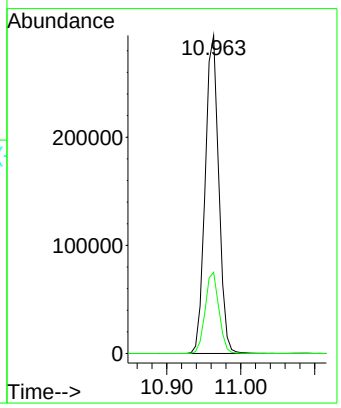
Tgt Ion:105 Resp: 374769

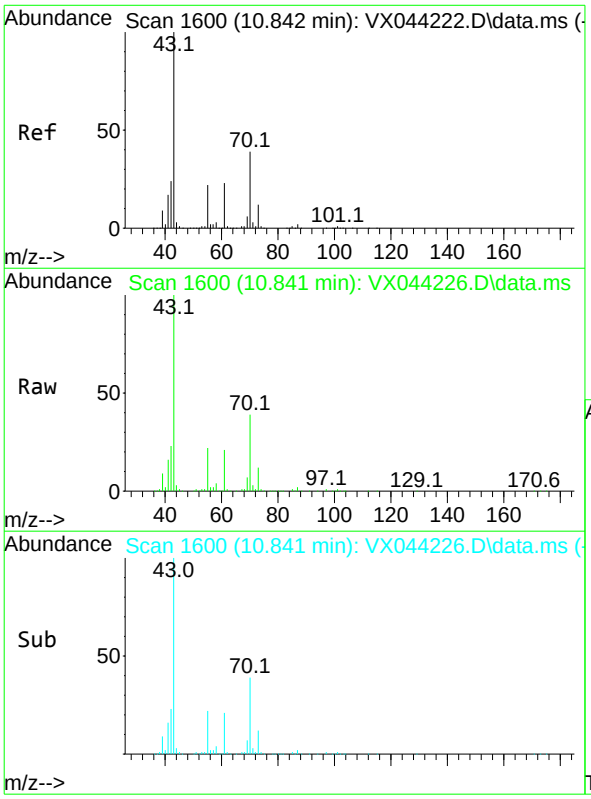
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.1	39.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

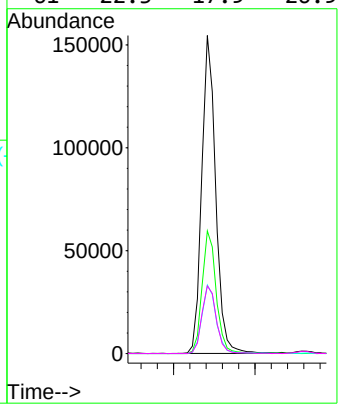


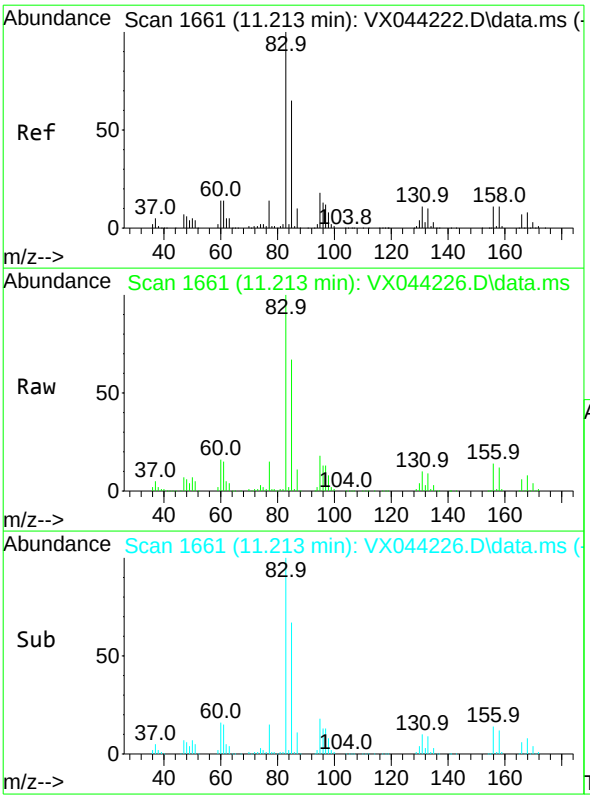


#74
N-amyl acetate
Concen: 52.003 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 183763

Ion	Ratio	Lower	Upper
43	100		
70	39.0	31.9	47.9
55	22.4	17.9	26.9
61	22.3	17.9	26.9





#75
1,1,2,2-Tetrachloroethane
Concen: 47.676 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

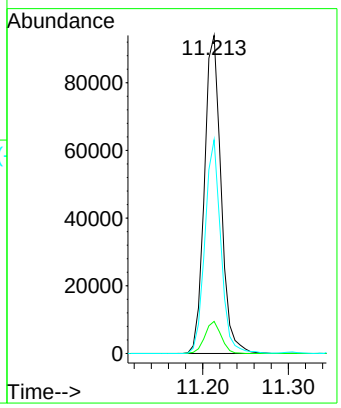
Tgt Ion: 83 Resp: 126615

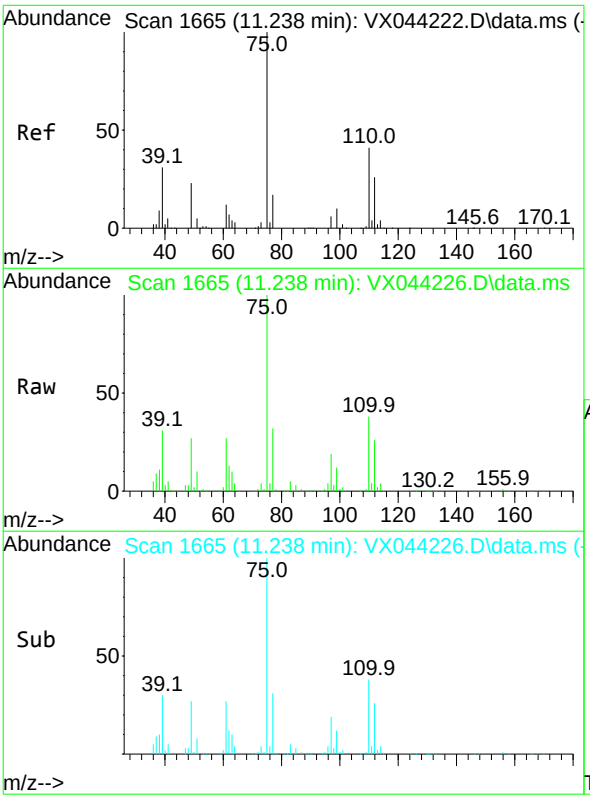
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.4
85	64.4	32.5	97.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

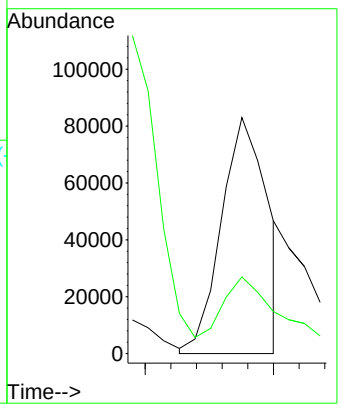


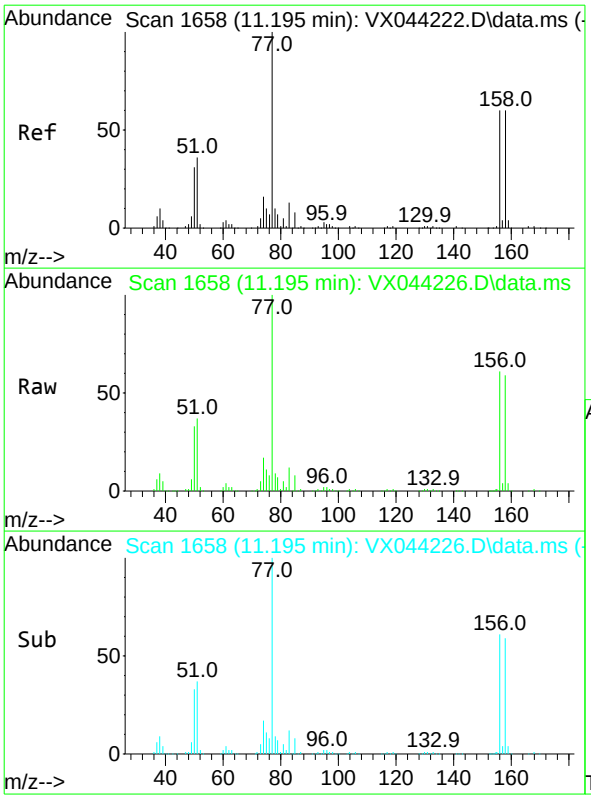


#76
1,2,3-Trichloropropane
Concen: 46.544 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 75 Resp: 103796

Ion	Ratio	Lower	Upper
75	100		
77	43.4	20.9	62.7





#77
Bromobenzene
Concen: 47.335 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

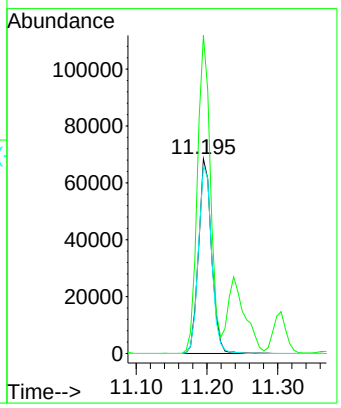
Tgt Ion:156 Resp: 87767

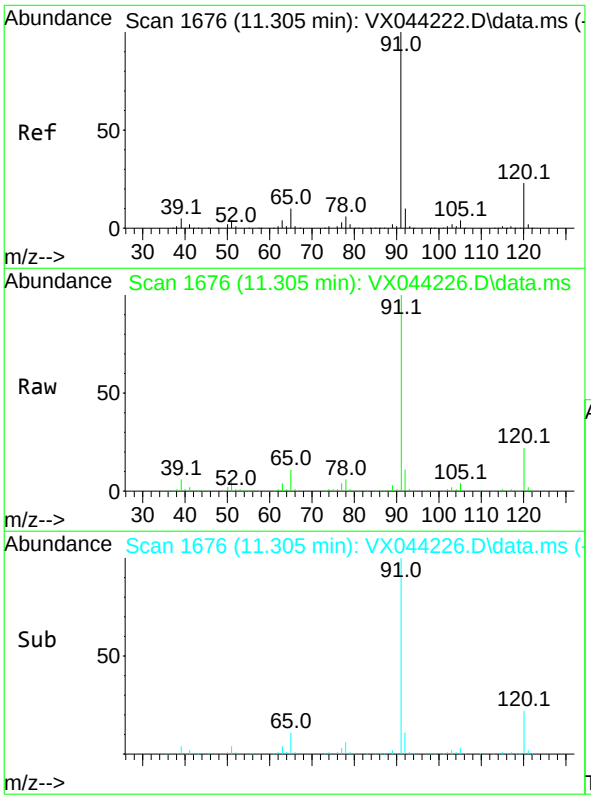
Ion	Ratio	Lower	Upper
156	100		
77	163.4	82.6	247.8
158	98.0	48.8	146.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

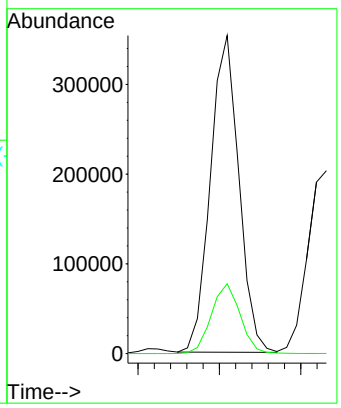


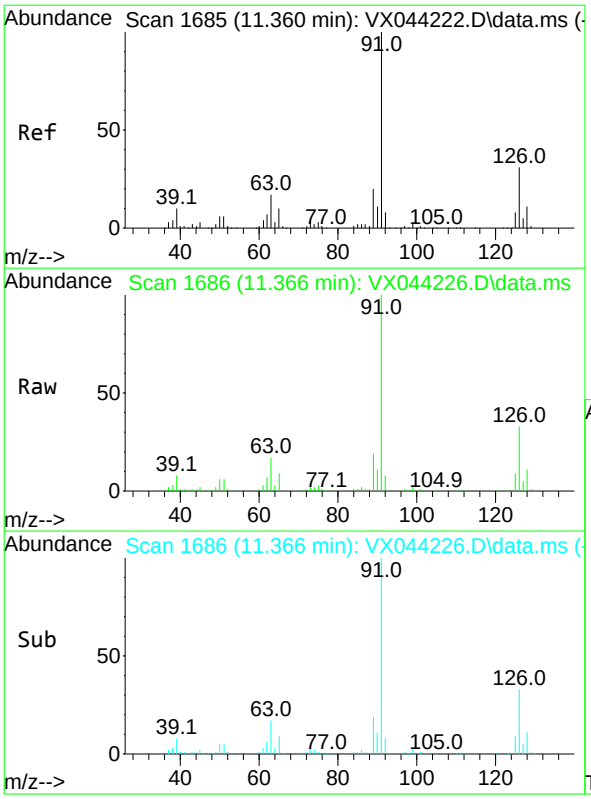


#78
n-propylbenzene
Concen: 50.816 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 91 Resp: 429443

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.0	33.0





#79
2-Chlorotoluene
Concen: 47.546 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 91 Resp: 259860

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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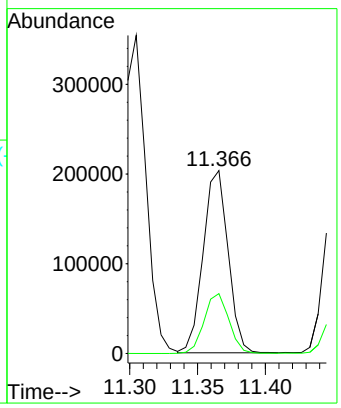
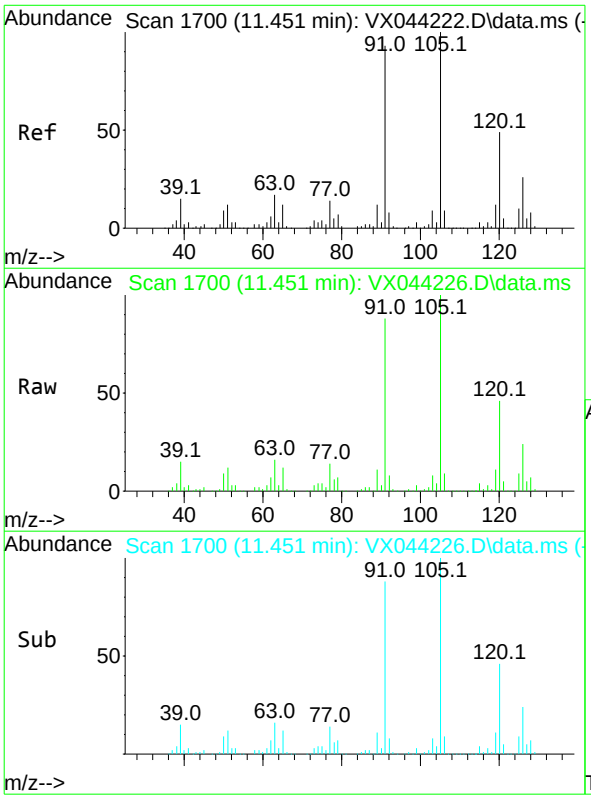
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

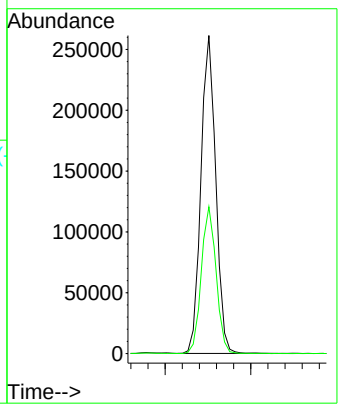


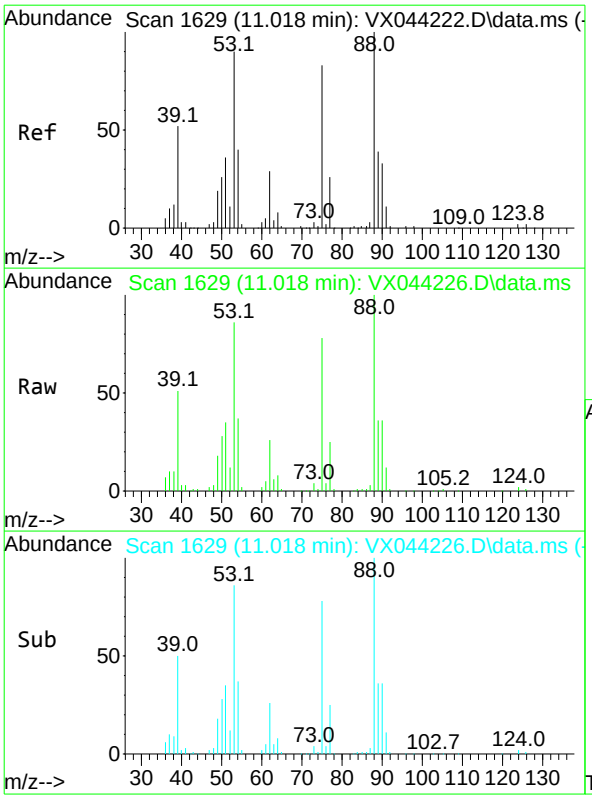


#80
1,3,5-Trimethylbenzene
Concen: 49.431 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:105 Resp: 313435

Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.8	71.4





#81
trans-1,4-Dichloro-2-butene
Concen: 47.861 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 75 Resp: 37038

Ion	Ratio	Lower	Upper
75	100		
53	112.6	93.6	140.4
89	47.5	37.3	55.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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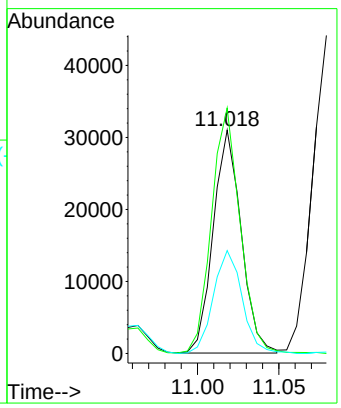
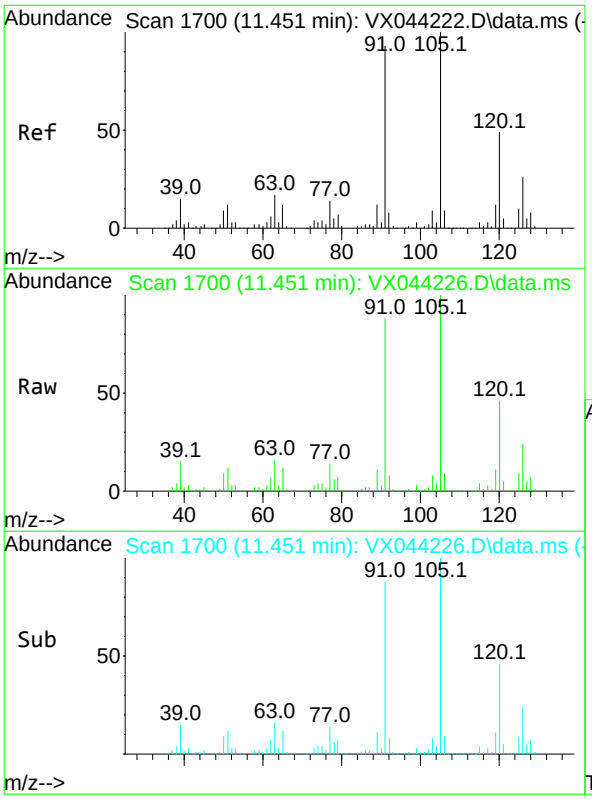
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

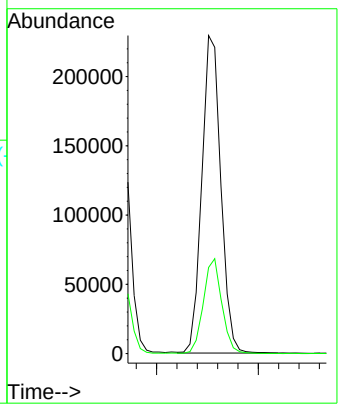


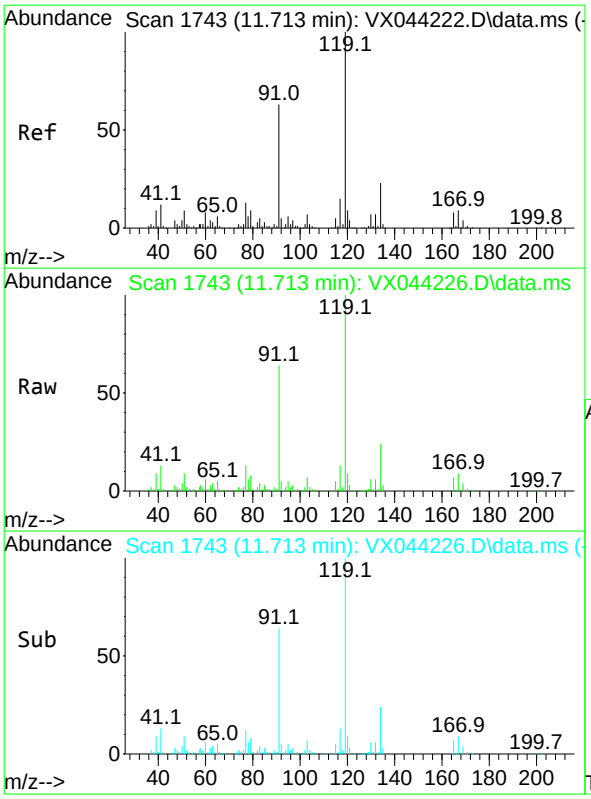


#82
4-Chlorotoluene
Concen: 49.178 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 91 Resp: 297641

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.5	43.5





#83
tert-Butylbenzene
Concen: 49.384 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

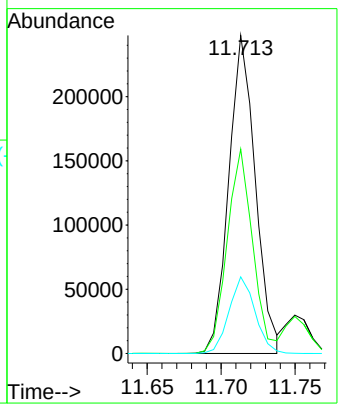
Tgt Ion:119 Resp: 309463

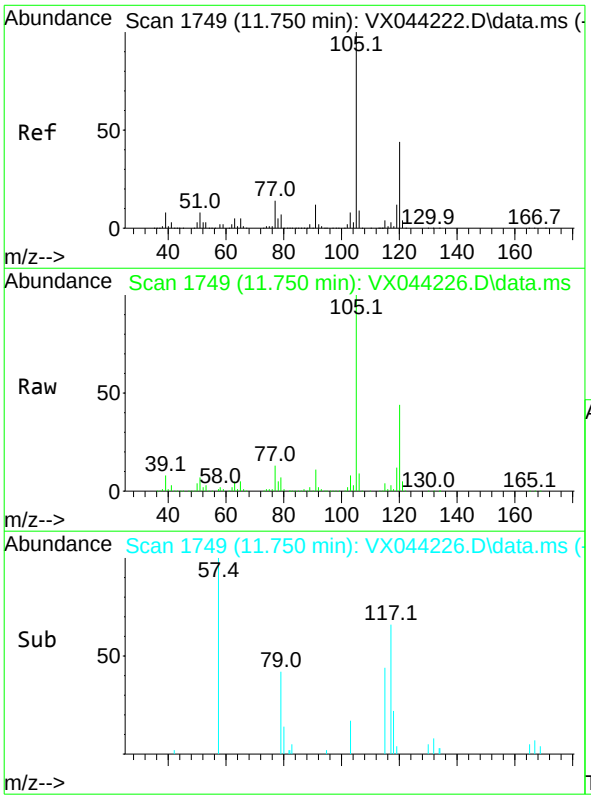
Ion	Ratio	Lower	Upper
119	100		
91	62.1	30.9	92.5
134	23.6	11.5	34.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

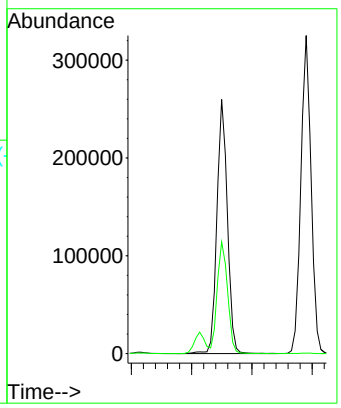


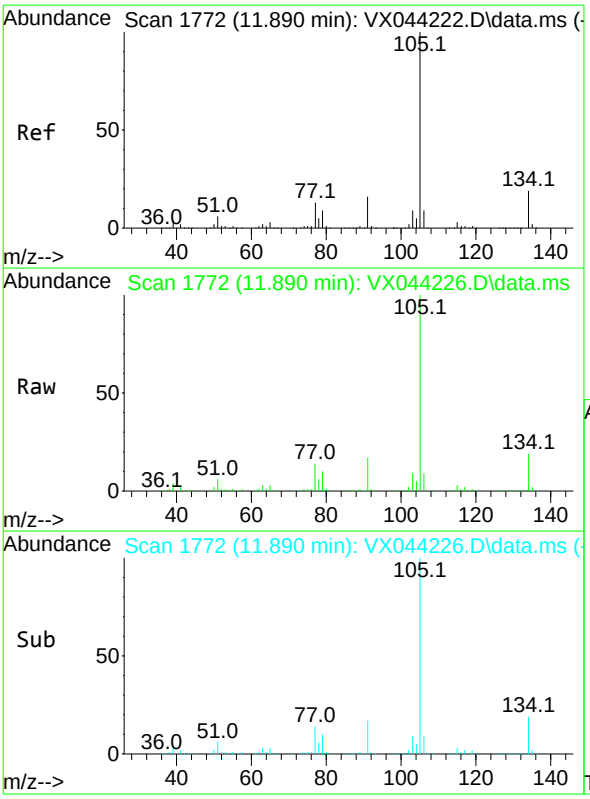


#84
1,2,4-Trimethylbenzene
Concen: 50.333 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:105 Resp: 313433

Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.7	65.1





#85
sec-Butylbenzene
Concen: 50.097 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:105 Resp: 381109

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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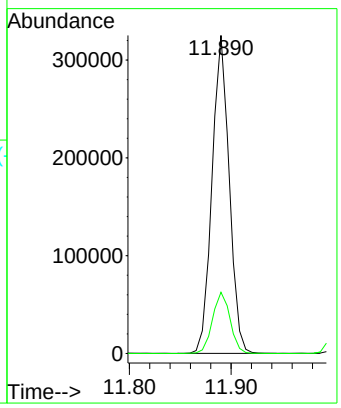
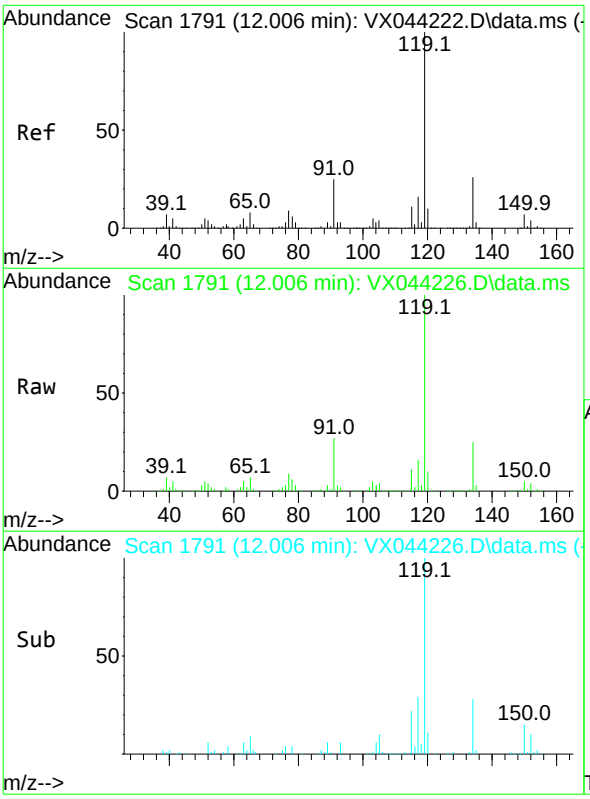
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

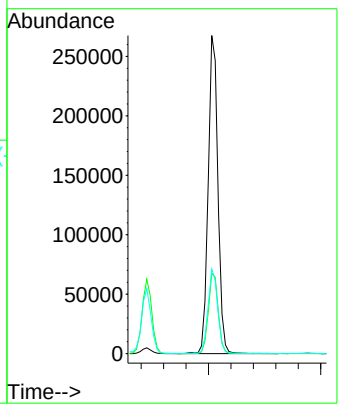


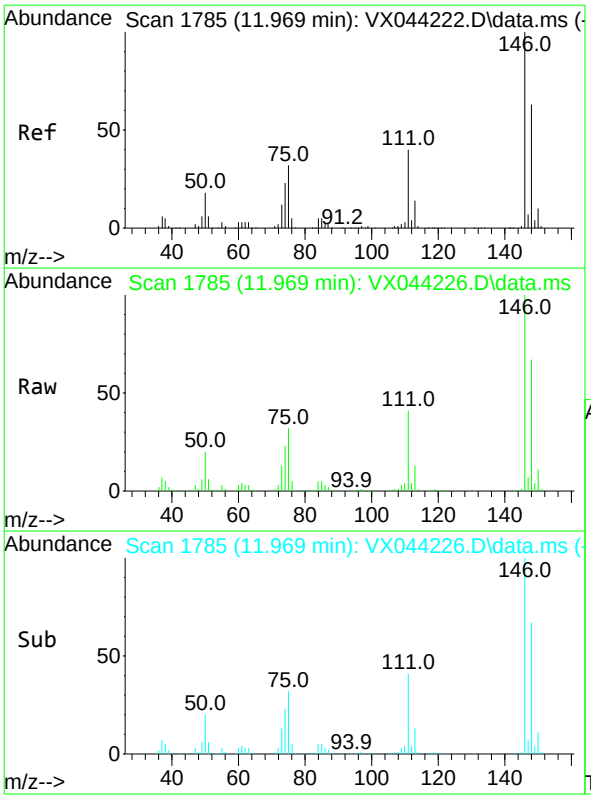


#86
p-Isopropyltoluene
Concen: 50.678 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:119 Resp: 320882

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.4
91	26.3	13.0	39.0





#87
1,3-Dichlorobenzene
Concen: 49.122 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:146 Resp: 159094

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.4	64.2
148	64.7	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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Reviewed By :John Carlone 12/12/2024
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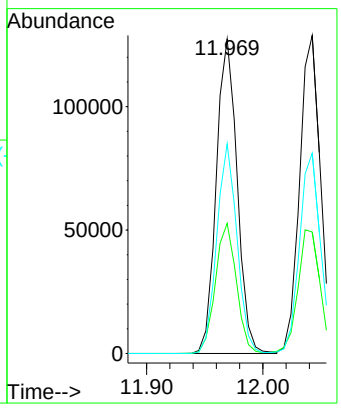
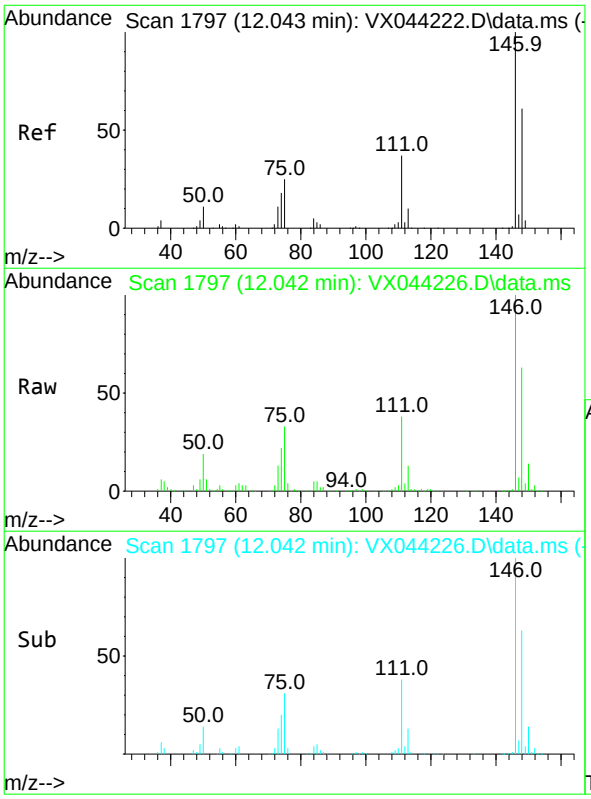
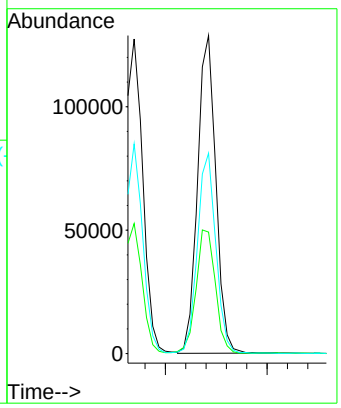


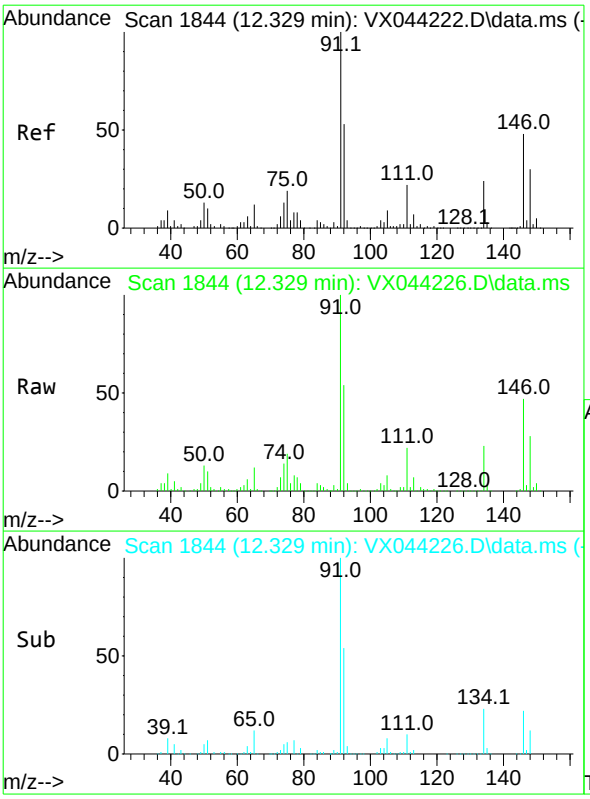


#88
1,4-Dichlorobenzene
Concen: 48.280 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:146 Resp: 160742

Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.0	63.0
148	63.6	32.3	96.8





#89
n-Butylbenzene
Concen: 53.207 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 91 Resp: 283284

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.6	79.7
134	24.3	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
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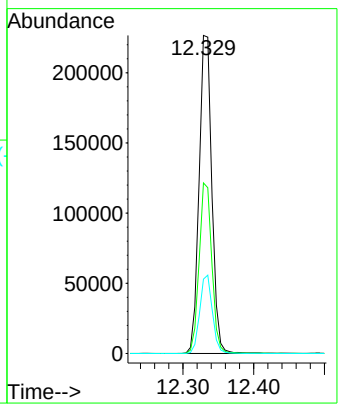
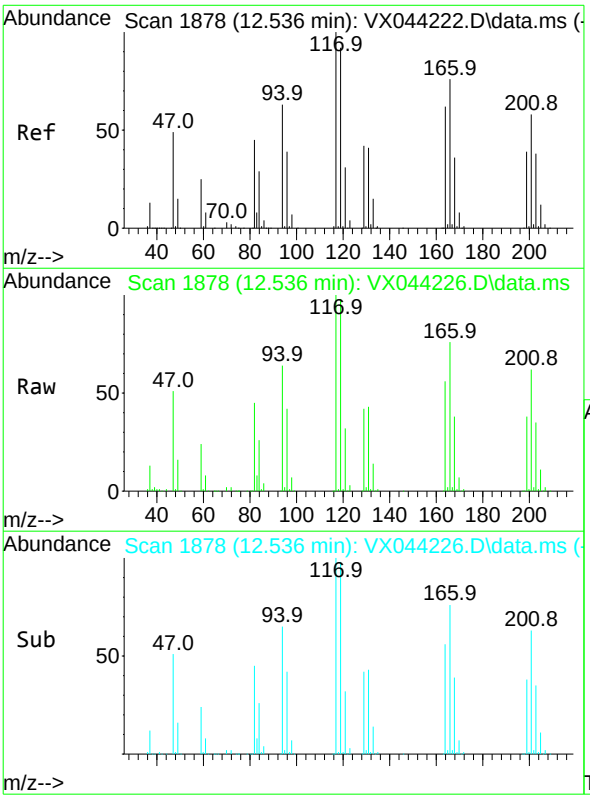
Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

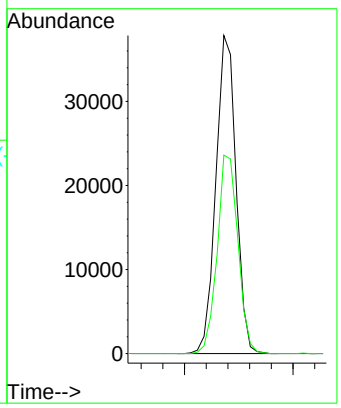


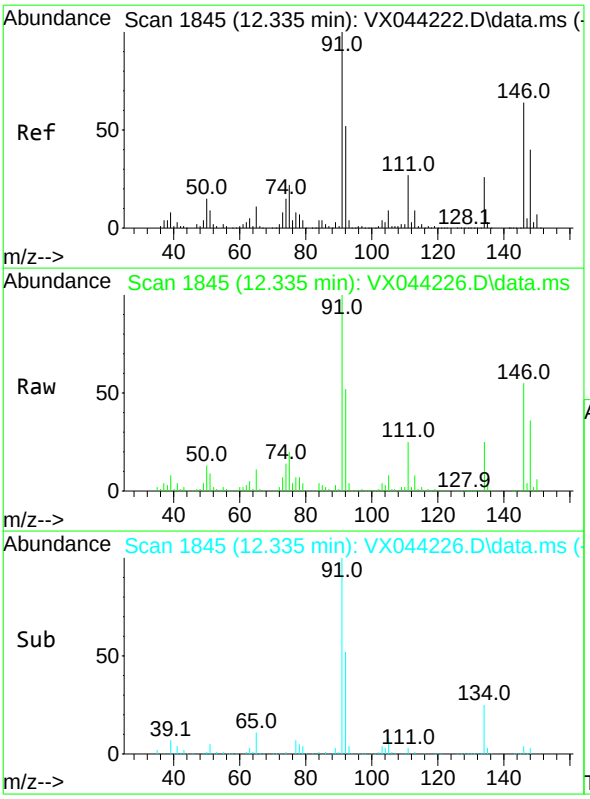


#90
Hexachloroethane
Concen: 52.727 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:117 Resp: 48734

Ion	Ratio	Lower	Upper
117	100		
201	64.3	31.4	94.2





#91
1,2-Dichlorobenzene
Concen: 47.589 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:146 Resp: 160039

Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.4	64.3
148	63.4	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
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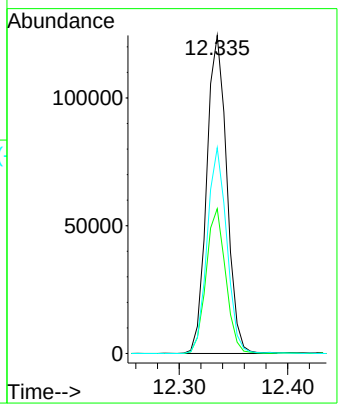
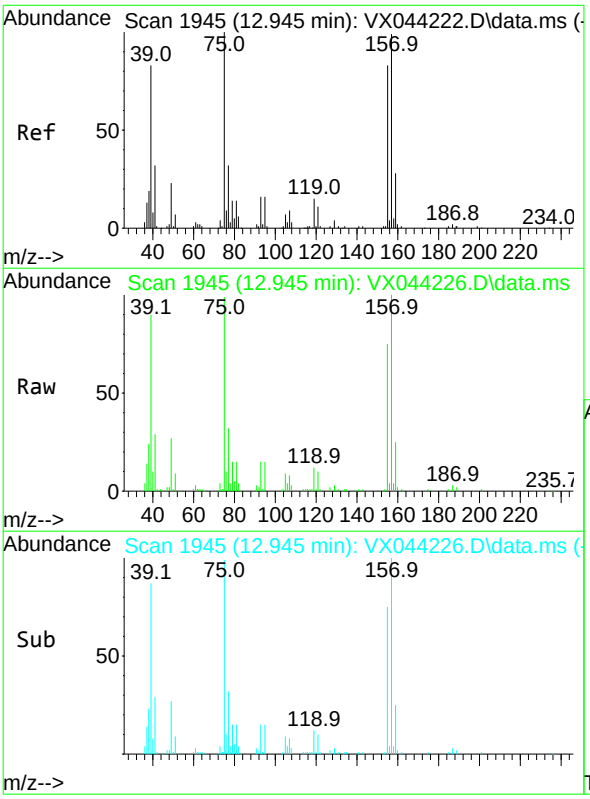
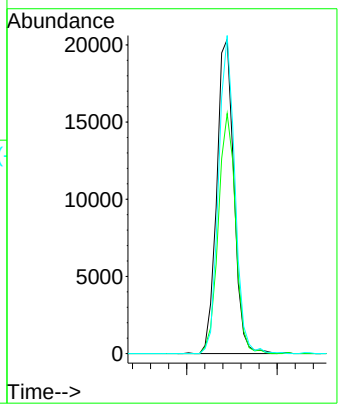


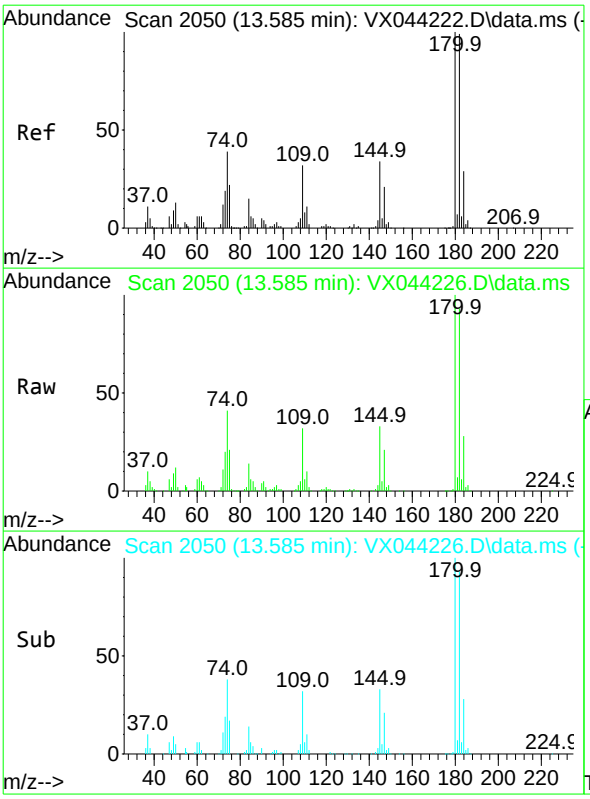


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.864 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 75 Resp: 26738

Ion	Ratio	Lower	Upper
75	100		
155	76.5	38.1	114.3
157	96.3	47.2	141.6





#93
1,2,4-Trichlorobenzene
Concen: 53.940 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

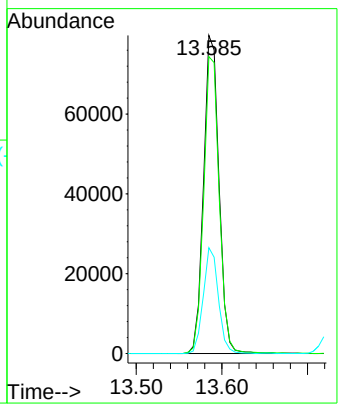
Tgt Ion:180 Resp: 99449

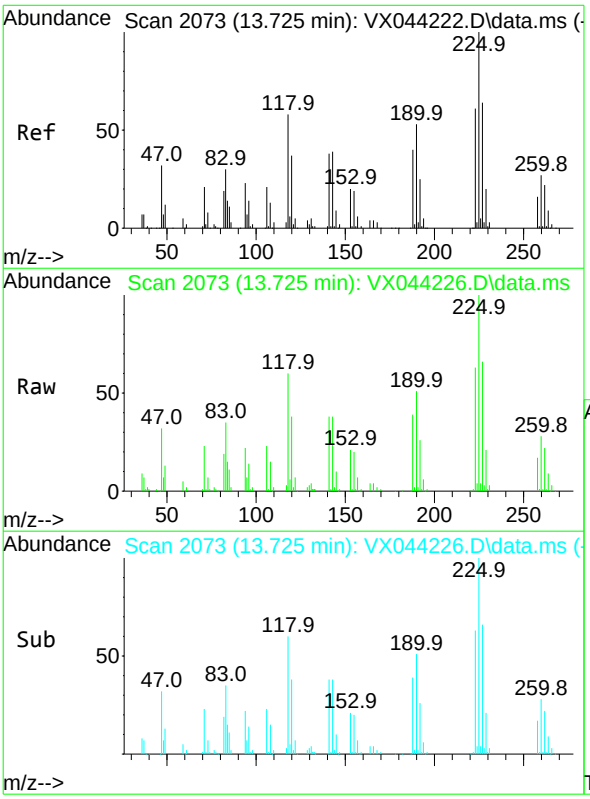
Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.0	144.2
145	32.6	16.6	49.7

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

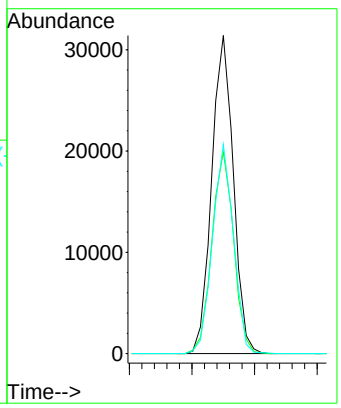


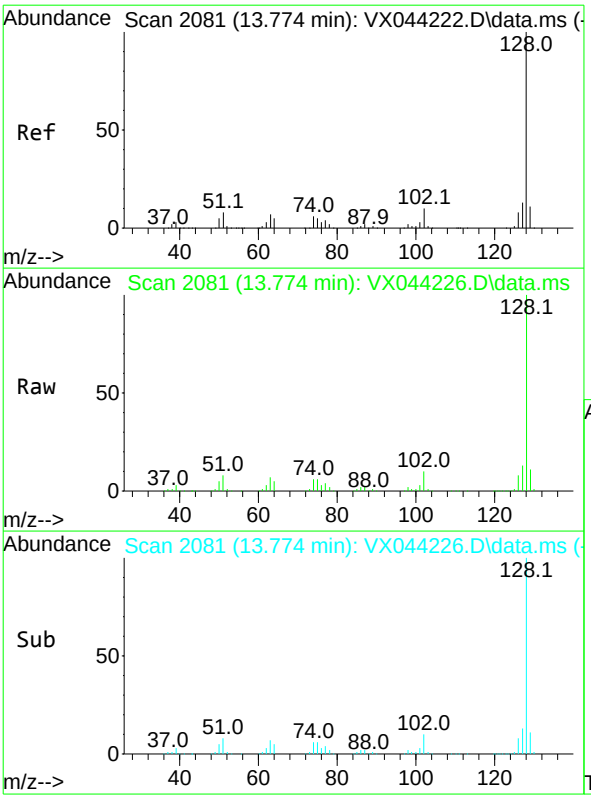


#94
Hexachlorobutadiene
Concen: 50.770 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:225 Resp: 37651

Ion	Ratio	Lower	Upper
225	100		
223	63.9	30.8	92.4
227	63.7	32.1	96.3





#95
Naphthalene
Concen: 50.827 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

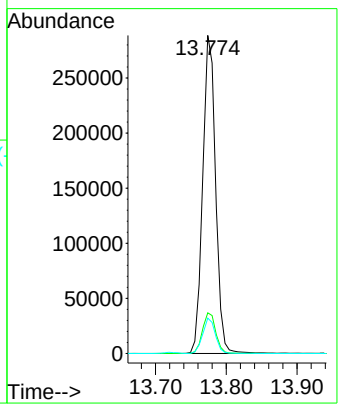
Tgt Ion:128 Resp: 365781

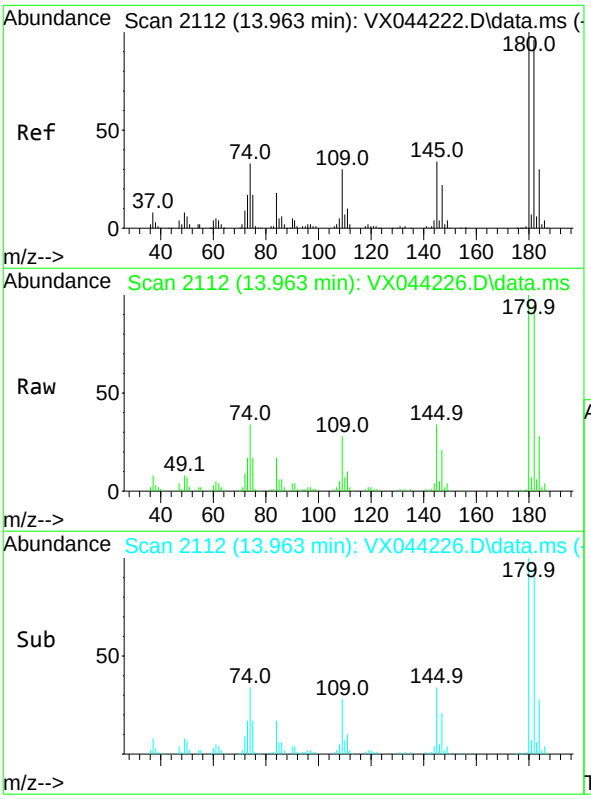
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.9	9.0	13.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

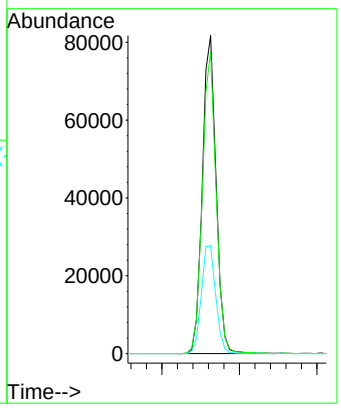




#96
1,2,3-Trichlorobenzene
Concen: 51.244 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:180 Resp: 100209

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.0	144.0
145	35.7	17.7	53.1



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	107	0.00
2	T	Dichlorodifluoromethane	0.773	0.779	-0.8	106	0.00
3	P	Chloromethane	0.739	0.690	6.6	98	0.00
4	C	Vinyl Chloride	0.770	0.728	5.5#	99	0.00
5	T	Bromomethane	0.546	0.502	8.1	97	0.00
6	T	Chloroethane	0.480	0.468	2.5	94	0.00
7	T	Trichlorofluoromethane	1.508	1.517	-0.6	105	0.00
8	T	Diethyl Ether	0.515	0.470	8.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.610	0.615	-0.8	107	0.00
10	T	Methyl Iodide	0.804	0.745	7.3	94	0.00
11	T	Tert butyl alcohol	0.124	0.115	7.3	102	0.00
12	CM	1,1-Dichloroethene	0.560	0.553	1.3#	99	0.00
13	T	Acrolein	0.179	0.167	6.7	96	0.00
14	T	Allyl chloride	0.933	0.929	0.4	98	0.00
15	T	Acrylonitrile	0.342	0.329	3.8	98	0.00
16	T	Acetone	0.357	0.388	-8.7	109	0.00
17	T	Carbon Disulfide	1.065	1.116	-4.8	104	0.00
18	T	Methyl Acetate	0.922	0.861	6.6	96	0.00
19	T	Methyl tert-butyl Ether	2.187	2.097	4.1	97	0.00
20	T	Methylene Chloride	0.671	0.620	7.6	96	0.00
21	T	trans-1,2-Dichloroethene	0.596	0.577	3.2	100	0.00
22	T	Diisopropyl ether	2.102	1.973	6.1	97	0.00
23	T	Vinyl Acetate	1.709	1.767	-3.4	99	0.00
24	P	1,1-Dichloroethane	1.172	1.126	3.9	97	0.00
25	T	2-Butanone	0.508	0.516	-1.6	100	0.00
26	T	2,2-Dichloropropane	0.952	1.045	-9.8	107	0.00
27	T	cis-1,2-Dichloroethene	0.756	0.707	6.5	98	0.00
28	T	Bromochloromethane	0.575	0.515	10.4	93	0.00
29	T	Tetrahydrofuran	0.326	0.311	4.6	98	0.00
30	C	Chloroform	1.316	1.217	7.5#	97	0.00
31	T	Cyclohexane	0.946	0.936	1.1	102	0.00
32	T	1,1,1-Trichloroethane	1.093	1.090	0.3	99	0.00
33	S	1,2-Dichloroethane-d4	0.877	0.800	8.8	93	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
35	S	Dibromofluoromethane	0.346	0.327	5.5	91	0.00
36	T	1,1-Dichloropropene	0.448	0.450	-0.4	103	0.00
37	T	Ethyl Acetate	0.553	0.577	-4.3	101	0.00
38	T	Carbon Tetrachloride	0.482	0.499	-3.5	101	0.00
39	T	Methylcyclohexane	0.535	0.586	-9.5	107	0.00
40	TM	Benzene	1.359	1.333	1.9	96	0.00
41	T	Methacrylonitrile	0.294	0.288	2.0	97	0.00
42	TM	1,2-Dichloroethane	0.560	0.559	0.2	97	0.00
43	T	Isopropyl Acetate	0.865	0.893	-3.2	99	0.00
44	TM	Trichloroethene	0.339	0.337	0.6	98	0.00
45	C	1,2-Dichloropropane	0.347	0.330	4.9#	94	0.00
46	T	Dibromomethane	0.269	0.276	-2.6	98	0.00
47	T	Bromodichloromethane	0.465	0.492	-5.8	98	0.00
48	T	Methyl methacrylate	0.420	0.427	-1.7	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.007	0.006	14.3	87	0.00
50	S	Toluene-d8	1.168	1.144	2.1	93	0.00
51	T	4-Methyl-2-Pentanone	0.556	0.567	-2.0	98	0.00
52	CM	Toluene	0.853	0.840	1.5#	97	0.00
53	T	t-1,3-Dichloropropene	0.455	0.509	-11.9	101	0.00
54	T	cis-1,3-Dichloropropene	0.507	0.543	-7.1	97	0.00
55	T	1,1,2-Trichloroethane	0.339	0.343	-1.2	97	0.00
56	T	Ethyl methacrylate	0.535	0.566	-5.8	100	0.00
57	T	1,3-Dichloropropane	0.590	0.580	1.7	96	0.00
58	T	2-Chloroethyl Vinyl ether	0.270	0.280	-3.7	97	0.00
59	T	2-Hexanone	0.403	0.438	-8.7	101	0.00
60	T	Dibromochloromethane	0.326	0.352	-8.0	97	0.00
61	T	1,2-Dibromoethane	0.345	0.358	-3.8	99	0.00
62	S	4-Bromofluorobenzene	0.408	0.409	-0.2	94	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
64	T	Tetrachloroethene	0.332	0.317	4.5	101	0.00
65	PM	Chlorobenzene	1.071	1.031	3.7	97	0.00
66	T	1,1,1,2-Tetrachloroethane	0.344	0.354	-2.9	97	0.00
67	C	Ethyl Benzene	1.851	1.831	1.1#	98	0.00
68	T	m/p-Xylenes	0.679	0.679	0.0	98	0.00
69	T	o-Xylene	0.687	0.684	0.4	100	0.00
70	T	Styrene	1.102	1.137	-3.2	100	0.00
71	P	Bromoform	0.219	0.242	-10.5	101	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73	T	Isopropylbenzene	3.828	3.752	2.0	101	0.00
74	T	N-amyl acetate	1.769	1.840	-4.0	101	0.00
75	P	1,1,2,2-Tetrachloroethane	1.329	1.268	4.6	100	0.00
76	T	1,2,3-Trichloropropane	1.116	1.039	6.9	97	0.00
77	T	Bromobenzene	0.928	0.879	5.3	98	0.00
78	T	n-propylbenzene	4.231	4.300	-1.6	100	0.00
79	T	2-Chlorotoluene	2.736	2.602	4.9	98	0.00
80	T	1,3,5-Trimethylbenzene	3.174	3.138	1.1	100	0.00
81	T	trans-1,4-Dichloro-2-butene	0.347	0.371	-6.9	105	0.00
82	T	4-Chlorotoluene	3.030	2.980	1.7	100	0.00
83	T	tert-Butylbenzene	3.137	3.098	1.2	100	0.00
84	T	1,2,4-Trimethylbenzene	3.117	3.138	-0.7	100	0.00
85	T	sec-Butylbenzene	3.808	3.816	-0.2	100	0.00
86	T	p-Isopropyltoluene	3.170	3.213	-1.4	101	0.00
87	T	1,3-Dichlorobenzene	1.621	1.593	1.7	99	0.00
88	T	1,4-Dichlorobenzene	1.667	1.609	3.5	101	0.00
89	T	n-Butylbenzene	2.665	2.836	-6.4	105	0.00
90	T	Hexachloroethane	0.463	0.488	-5.4	101	0.00
91	T	1,2-Dichlorobenzene	1.683	1.602	4.8	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.258	0.268	-3.9	103	0.00
93	T	1,2,4-Trichlorobenzene	0.923	0.996	-7.9	107	0.00
94	T	Hexachlorobutadiene	0.371	0.377	-1.6	107	0.00
95	T	Naphthalene	3.603	3.662	-1.6	100	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.979	1.003	-2.5	103	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	107	0.00
2	T	Dichlorodifluoromethane	50.000	50.390	-0.8	106	0.00
3	P	Chloromethane	50.000	46.681	6.6	98	0.00
4	C	Vinyl Chloride	50.000	47.260	5.5#	99	0.00
5	T	Bromomethane	50.000	45.926	8.1	97	0.00
6	T	Chloroethane	50.000	48.801	2.4	94	0.00
7	T	Trichlorofluoromethane	50.000	50.311	-0.6	105	0.00
8	T	Diethyl Ether	50.000	45.658	8.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.374	-0.7	107	0.00
10	T	Methyl Iodide	50.000	46.349	7.3	94	0.00
11	T	Tert butyl alcohol	250.000	233.680	6.5	102	0.00
12	CM	1,1-Dichloroethene	50.000	49.311	1.4#	99	0.00
13	T	Acrolein	250.000	233.162	6.7	96	0.00
14	T	Allyl chloride	50.000	49.744	0.5	98	0.00
15	T	Acrylonitrile	250.000	240.620	3.8	98	0.00
16	T	Acetone	250.000	271.312	-8.5	109	0.00
17	T	Carbon Disulfide	50.000	52.397	-4.8	104	0.00
18	T	Methyl Acetate	50.000	46.725	6.5	96	0.00
19	T	Methyl tert-butyl Ether	50.000	47.940	4.1	97	0.00
20	T	Methylene Chloride	50.000	46.170	7.7	96	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.459	3.1	100	0.00
22	T	Diisopropyl ether	50.000	46.922	6.2	97	0.00
23	T	Vinyl Acetate	250.000	258.510	-3.4	99	0.00
24	P	1,1-Dichloroethane	50.000	48.056	3.9	97	0.00
25	T	2-Butanone	250.000	253.747	-1.5	100	0.00
26	T	2,2-Dichloropropane	50.000	54.872	-9.7	107	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.709	6.6	98	0.00
28	T	Bromochloromethane	50.000	44.832	10.3	93	0.00
29	T	Tetrahydrofuran	250.000	238.031	4.8	98	0.00
30	C	Chloroform	50.000	46.235	7.5#	97	0.00
31	T	Cyclohexane	50.000	49.443	1.1	102	0.00
32	T	1,1,1-Trichloroethane	50.000	49.895	0.2	99	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.646	8.7	93	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	102	0.00
35	S	Dibromofluoromethane	50.000	47.228	5.5	91	0.00
36	T	1,1-Dichloropropene	50.000	50.314	-0.6	103	0.00
37	T	Ethyl Acetate	50.000	52.176	-4.4	101	0.00
38	T	Carbon Tetrachloride	50.000	51.763	-3.5	101	0.00
39	T	Methylcyclohexane	50.000	54.761	-9.5	107	0.00
40	TM	Benzene	50.000	49.052	1.9	96	0.00
41	T	Methacrylonitrile	50.000	48.945	2.1	97	0.00
42	TM	1,2-Dichloroethane	50.000	49.960	0.1	97	0.00
43	T	Isopropyl Acetate	50.000	51.624	-3.2	99	0.00
44	TM	Trichloroethene	50.000	49.741	0.5	98	0.00
45	C	1,2-Dichloropropane	50.000	47.528	4.9#	94	0.00
46	T	Dibromomethane	50.000	51.227	-2.5	98	0.00
47	T	Bromodichloromethane	50.000	52.893	-5.8	98	0.00
48	T	Methyl methacrylate	50.000	50.852	-1.7	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	923.966	7.6	87	0.00
50	S	Toluene-d8	50.000	48.968	2.1	93	0.00
51	T	4-Methyl-2-Pentanone	250.000	255.038	-2.0	98	0.00
52	CM	Toluene	50.000	49.199	1.6#	97	0.00
53	T	t-1,3-Dichloropropene	50.000	50.864	-1.7	101	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.607	-7.2	97	0.00
55	T	1,1,2-Trichloroethane	50.000	50.562	-1.1	97	0.00
56	T	Ethyl methacrylate	50.000	52.890	-5.8	100	0.00
57	T	1,3-Dichloropropane	50.000	49.165	1.7	96	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	259.586	-3.8	97	0.00
59	T	2-Hexanone	250.000	271.943	-8.8	101	0.00
60	T	Dibromochloromethane	50.000	49.073	1.9	97	0.00
61	T	1,2-Dibromoethane	50.000	51.909	-3.8	99	0.00
62	S	4-Bromofluorobenzene	50.000	50.098	-0.2	94	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	103	0.00
64	T	Tetrachloroethene	50.000	47.702	4.6	101	0.00
65	PM	Chlorobenzene	50.000	48.133	3.7	97	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.396	-2.8	97	0.00
67	C	Ethyl Benzene	50.000	49.461	1.1#	98	0.00
68	T	m/p-Xylenes	100.000	99.896	0.1	98	0.00
69	T	o-Xylene	50.000	49.750	0.5	100	0.00
70	T	Styrene	50.000	51.617	-3.2	100	0.00
71	P	Bromoform	50.000	50.269	-0.5	101	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73	T	Isopropylbenzene	50.000	49.014	2.0	101	0.00
74	T	N-amyl acetate	50.000	52.003	-4.0	101	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.676	4.6	100	0.00
76	T	1,2,3-Trichloropropane	50.000	46.544	6.9	97	0.00
77	T	Bromobenzene	50.000	47.335	5.3	98	0.00
78	T	n-propylbenzene	50.000	50.816	-1.6	100	0.00
79	T	2-Chlorotoluene	50.000	47.546	4.9	98	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.431	1.1	100	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.861	4.3	105	0.00
82	T	4-Chlorotoluene	50.000	49.178	1.6	100	0.00
83	T	tert-Butylbenzene	50.000	49.384	1.2	100	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.333	-0.7	100	0.00
85	T	sec-Butylbenzene	50.000	50.097	-0.2	100	0.00
86	T	p-Isopropyltoluene	50.000	50.678	-1.4	101	0.00
87	T	1,3-Dichlorobenzene	50.000	49.122	1.8	99	0.00
88	T	1,4-Dichlorobenzene	50.000	48.280	3.4	101	0.00
89	T	n-Butylbenzene	50.000	53.207	-6.4	105	0.00
90	T	Hexachloroethane	50.000	52.727	-5.5	101	0.00
91	T	1,2-Dichlorobenzene	50.000	47.589	4.8	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.864	-3.7	103	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.940	-7.9	107	0.00
94	T	Hexachlorobutadiene	50.000	50.770	-1.5	107	0.00
95	T	Naphthalene	50.000	50.827	-1.7	100	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.244	-2.5	103	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX044540.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5376 SAS No.: P5376 SDG No.: P5376

Instrument ID: MSVOA_X Calibration Date/Time: 12/30/2024 13:07

Lab File ID: VX044540.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.773	0.704		-8.93	20
Chloromethane	0.739	0.649	0.1	-12.18	20
Vinyl Chloride	0.770	0.670		-12.99	20
Bromomethane	0.546	0.451		-17.4	20
Chloroethane	0.480	0.420		-12.5	20
Trichlorofluoromethane	1.508	1.226		-18.7	20
1,1,2-Trichlorotrifluoroethane	0.610	0.602		-1.31	20
1,1-Dichloroethene	0.560	0.548		-2.32	20
Acetone	0.357	0.291		-18.49	20
Carbon Disulfide	1.065	0.968		-9.11	20
Methyl tert-butyl Ether	2.187	1.898		-13.21	20
Methyl Acetate	0.922	0.858		-6.94	20
Methylene Chloride	0.671	0.609		-9.24	20
trans-1,2-Dichloroethene	0.596	0.541		-9.23	20
1,1-Dichloroethane	1.172	1.067	0.1	-8.96	20
Cyclohexane	0.946	0.837		-11.52	20
2-Butanone	0.508	0.441		-13.19	20
Carbon Tetrachloride	0.482	0.508		5.39	20
cis-1,2-Dichloroethene	0.756	0.696		-7.94	20
Bromochloromethane	0.575	0.491		-14.61	20
Chloroform	1.316	1.161		-11.78	20
1,1,1-Trichloroethane	1.093	1.013		-7.32	20
Methylcyclohexane	0.535	0.577		7.85	20
Benzene	1.359	1.403		3.16	20
1,2-Dichloroethane	0.560	0.548		-2.14	20
Trichloroethene	0.339	0.365		7.67	20
1,2-Dichloropropane	0.347	0.354		2.02	20
Bromodichloromethane	0.465	0.504		8.39	20
4-Methyl-2-Pentanone	0.556	0.557		0.18	20
Toluene	0.853	0.875		2.58	20
t-1,3-Dichloropropene	0.455	0.489		7.47	20
cis-1,3-Dichloropropene	0.507	0.549		8.28	20
1,1,2-Trichloroethane	0.339	0.365		7.67	20
2-Hexanone	0.403	0.408		1.24	20
Dibromochloromethane	0.326	0.376		15.34	20
1,2-Dibromoethane	0.345	0.387		12.17	20
Tetrachloroethene	0.332	0.375		12.95	20
Chlorobenzene	1.071	1.137	0.3	6.16	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VX044540.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5376 SAS No.: P5376 SDG No.: P5376

Instrument ID: MSVOA_X Calibration Date/Time: 12/30/2024 13:07

Lab File ID: VX044540.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	$\overline{RRF}$	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.851	1.950		5.29	20
m/p-Xylenes	0.679	0.724		6.63	20
o-Xylene	0.687	0.730		6.26	20
Styrene	1.102	1.225		11.16	20
Bromoform	0.219	0.274	0.1	25.11	20
Isopropylbenzene	3.828	3.771		-1.49	20
1,1,2,2-Tetrachloroethane	1.329	1.246	0.3	-6.24	20
1,3-Dichlorobenzene	1.621	1.705		5.18	20
1,4-Dichlorobenzene	1.667	1.687		1.2	20
1,2-Dichlorobenzene	1.684	1.724		2.38	20
1,2-Dibromo-3-Chloropropane	0.258	0.243		-5.81	20
1,2,4-Trichlorobenzene	0.923	1.049		13.65	20
1,2,3-Trichlorobenzene	0.979	1.098		12.15	20
1,2-Dichloroethane-d4	0.877	0.712		-18.81	20
Dibromofluoromethane	0.346	0.347		0.29	20
Toluene-d8	1.168	1.152		-1.37	20
4-Bromofluorobenzene	0.408	0.416		1.96	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Quantitation Report (QT Reviewed)

Sample Results: **VX044540.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.544	168	137969	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	223553	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.055	117	195826	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	98470	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.952	65	98268	40.623 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 81.240%		
35) Dibromofluoromethane	5.379	113	77511	50.062 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.120%		
50) Toluene-d8	8.647	98	257484	49.293 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.580%		
62) 4-Bromofluorobenzene	11.079	95	92916	50.906 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.820%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.166	85	97119	45.524 ug/l	97
3) Chloromethane	1.294	50	89508	43.875 ug/l	98
4) Vinyl Chloride	1.374	62	92481	43.513 ug/l	99
5) Bromomethane	1.593	94	62273	41.301 ug/l	98
6) Chloroethane	1.660	64	58013	43.836 ug/l	100
7) Trichlorofluoromethane	1.868	101	169183	40.661 ug/l	100
8) Diethyl Ether	2.130	74	65134	45.861 ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.313	101	83029	49.314 ug/l	94
10) Methyl Iodide	2.441	142	110611	49.847 ug/l	95
11) Tert butyl alcohol	2.995	59	69435	203.663 ug/l	99
12) 1,1-Dichloroethene	2.306	96	75538	48.846 ug/l	91
13) Acrolein	2.233	56	70342	142.534 ug/l	99
14) Allyl chloride	2.654	41	115796	44.955 ug/l	98
15) Acrylonitrile	3.069	53	220193	233.158 ug/l	98
16) Acetone	2.386	43	200539m	203.343 ug/l	
17) Carbon Disulfide	2.495	76	133615	45.453 ug/l	99
18) Methyl Acetate	2.703	43	118398	46.562 ug/l	97
19) Methyl tert-butyl Ether	3.117	73	261931	43.403 ug/l	98
20) Methylene Chloride	2.782	84	83957	45.325 ug/l	93
21) trans-1,2-Dichloroethene	3.081	96	74662	45.427 ug/l	97
22) Diisopropyl ether	3.764	45	251297	43.324 ug/l	98
23) Vinyl Acetate	3.721	43	1085699	230.231 ug/l	98
24) 1,1-Dichloroethane	3.599	63	147276	45.551 ug/l	99
25) 2-Butanone	4.562	43	304270	217.020 ug/l	98
26) 2,2-Dichloropropane	4.465	77	122500	46.637 ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	96079	46.029 ug/l	94
28) Bromochloromethane	4.897	49	67730	42.719 ug/l	92
29) Tetrahydrofuran	5.007	42	195789	217.562 ug/l	99
30) Chloroform	5.086	83	160188	44.097 ug/l	97
31) Cyclohexane	5.458	56	115447	44.218 ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	139739	46.342 ug/l	100
36) 1,1-Dichloropropene	5.684	75	98907	49.419 ug/l	98
37) Ethyl Acetate	4.721	43	117573	47.524 ug/l	97
38) Carbon Tetrachloride	5.666	117	113637	52.739 ug/l	99
39) Methylcyclohexane	7.373	83	128975	53.905 ug/l	96
40) Benzene	6.031	78	313533	51.597 ug/l	99

Sample Results: **VX044540.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	63812	48.575 ug/l	95
42) 1,2-Dichloroethane	6.080	62	122458	48.922 ug/l	96
43) Isopropyl Acetate	6.342	43	191709	49.578 ug/l	99
44) Trichloroethene	7.123	130	81658	53.888 ug/l	93
45) 1,2-Dichloropropane	7.428	63	79249	51.047 ug/l	93
46) Dibromomethane	7.580	93	61783	51.298 ug/l	91
47) Bromodichloromethane	7.818	83	112645	54.155 ug/l	99
48) Methyl methacrylate	7.696	41	91897	48.959 ug/l	96
49) 1,4-Dioxane	7.665	88	34501m	1108.620 ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	622530	250.388 ug/l	98
52) Toluene	8.714	92	195660	51.274 ug/l	98
53) t-1,3-Dichloropropene	8.976	75	109219	48.988 ug/l	94
54) cis-1,3-Dichloropropene	8.360	75	122807	54.223 ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	81590	53.821 ug/l	99
56) Ethyl methacrylate	9.116	69	122100	51.019 ug/l	98
57) 1,3-Dichloropropane	9.305	76	134878	51.116 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	279710	231.727 ug/l	98
59) 2-Hexanone	9.433	43	456184	253.490 ug/l	97
60) Dibromochloromethane	9.519	129	84109	52.230 ug/l	98
61) 1,2-Dibromoethane	9.610	107	86500	56.057 ug/l	96
64) Tetrachloroethene	9.269	164	73466	56.524 ug/l	97
65) Chlorobenzene	10.079	112	222713	53.076 ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	77293	57.314 ug/l	99
67) Ethyl Benzene	10.189	91	381762	52.655 ug/l	98
68) m/p-Xylenes	10.299	106	283669	106.627 ug/l	97
69) o-Xylene	10.640	106	142859	53.072 ug/l	94
70) Styrene	10.653	104	239936	55.603 ug/l	96
71) Bromoform	10.799	173	53742	56.136 ug/l #	99
73) Isopropylbenzene	10.963	105	371310	49.257 ug/l	99
74) N-amyl acetate	10.842	43	159962	45.915 ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	122724	46.872 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	103237m	46.956 ug/l	
77) Bromobenzene	11.195	156	93453	51.123 ug/l	93
78) n-propylbenzene	11.305	91	414470	49.746 ug/l	97
79) 2-Chlorotoluene	11.366	91	253407	47.028 ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	309707	49.542 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	33669	44.565 ug/l	98
82) 4-Chlorotoluene	11.451	91	289361	48.495 ug/l	97
83) tert-Butylbenzene	11.713	119	311269	50.383 ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	311357	50.715 ug/l	96
85) sec-Butylbenzene	11.890	105	385987	51.464 ug/l	98
86) p-Isopropyltoluene	12.006	119	323908	51.888 ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	167888	52.579 ug/l	97
88) 1,4-Dichlorobenzene	12.036	146	166124	50.610 ug/l	98
89) n-Butylbenzene	12.329	91	273813	52.164 ug/l	99
90) Hexachloroethane	12.536	117	48767	53.517 ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	169759	51.202 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	23942	47.105 ug/l	83
93) 1,2,4-Trichlorobenzene	13.585	180	103255	56.806 ug/l	98
94) Hexachlorobutadiene	13.725	225	43572	59.595 ug/l	96
95) Naphthalene	13.774	128	362347	51.070 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	108119	56.081 ug/l	98

Sample Results: **VX044540.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

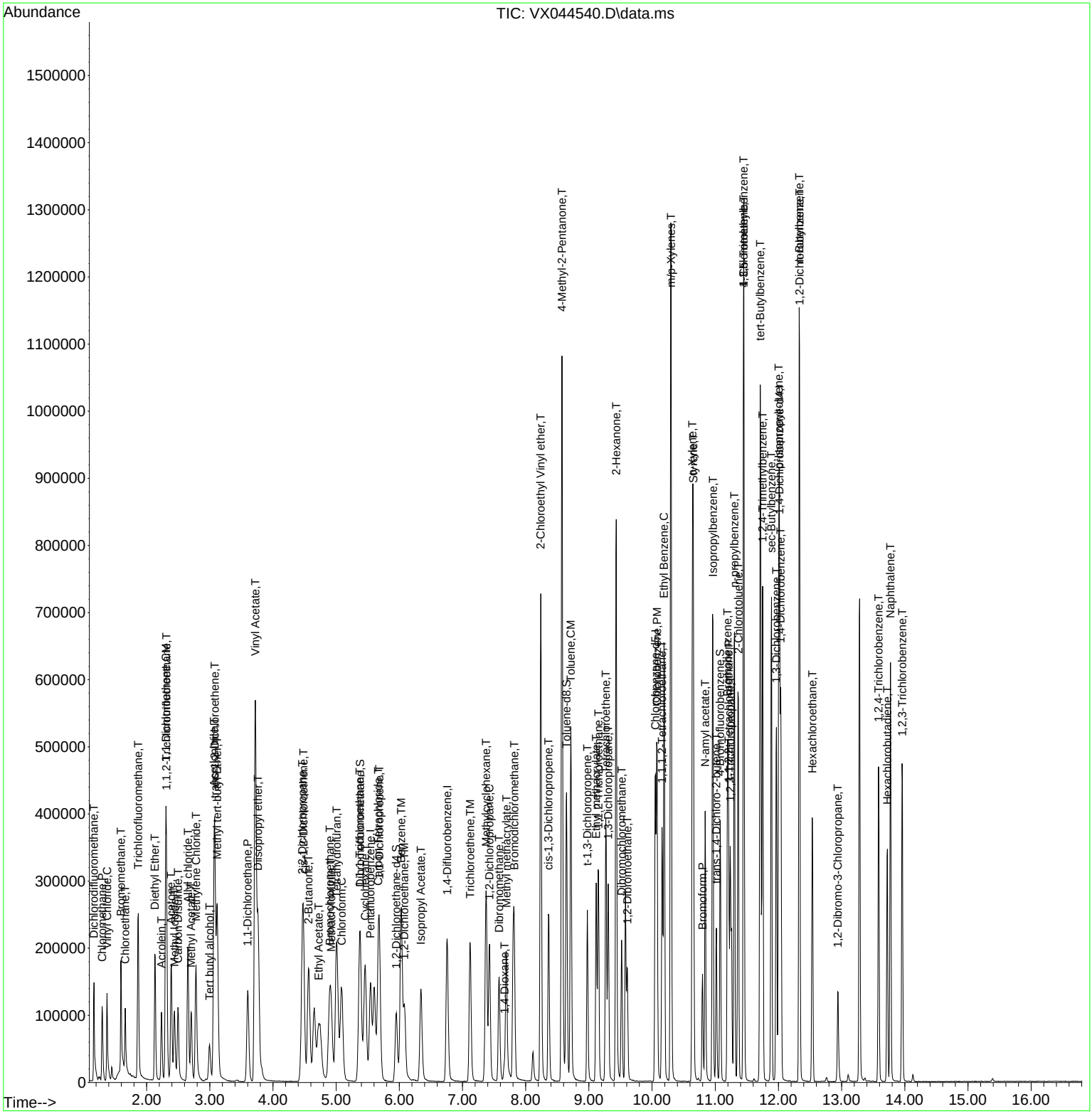
Sample Results: **VX044540.D**

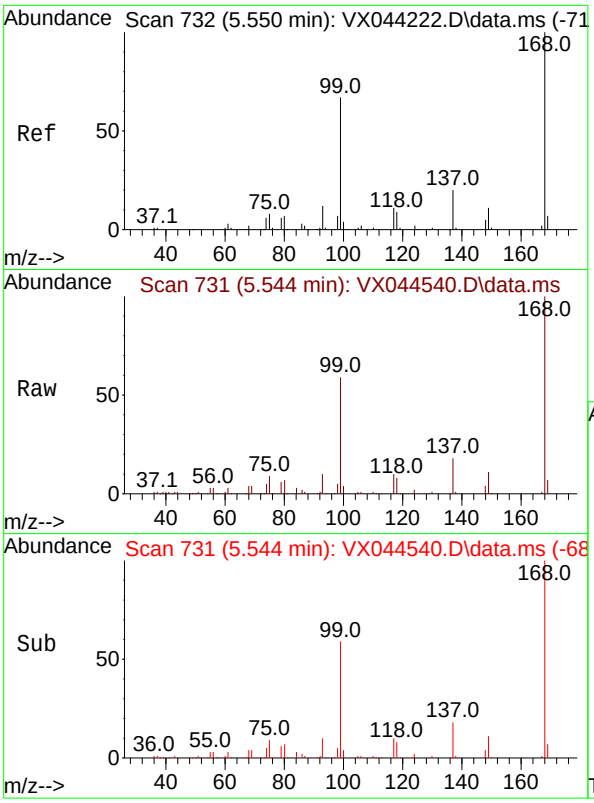
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

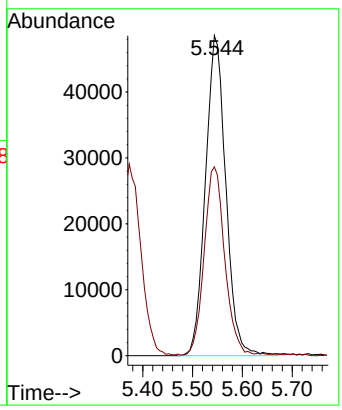
Tgt Ion:168 Resp: 13796

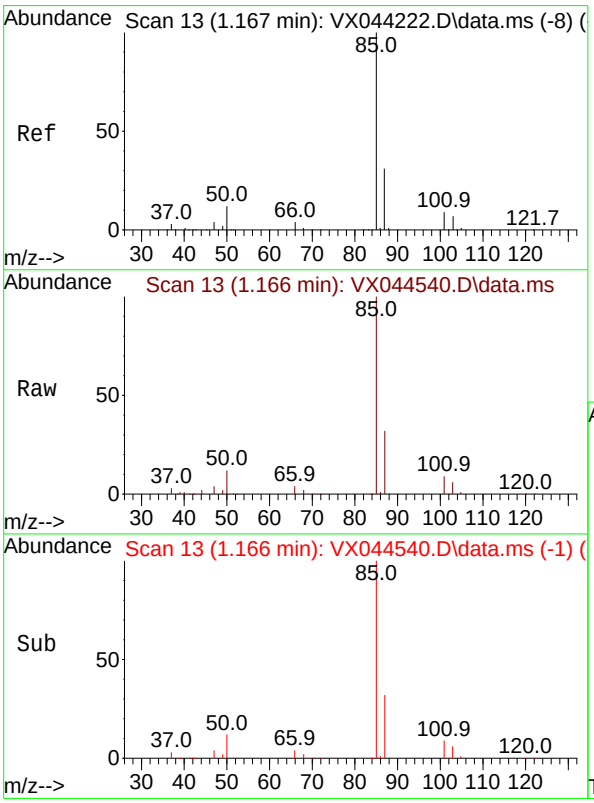
Ion	Ratio	Lower	Upper
168	100		
99	58.6	53.4	80.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

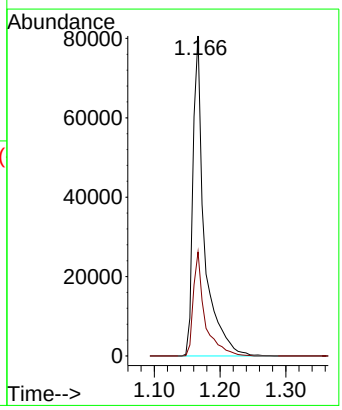


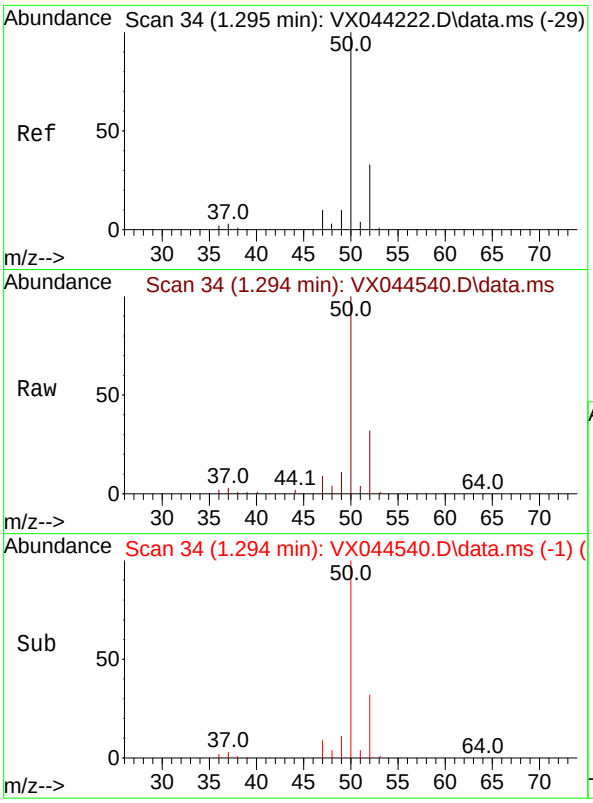


#2
Dichlorodifluoromethane
Concen: 45.524 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 85 Resp: 97119

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.4	46.4





#3
Chloromethane
Concen: 43.875 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 50 Resp: 89508

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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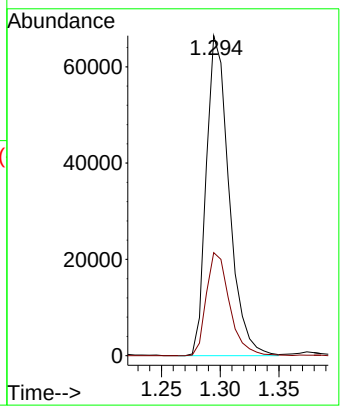
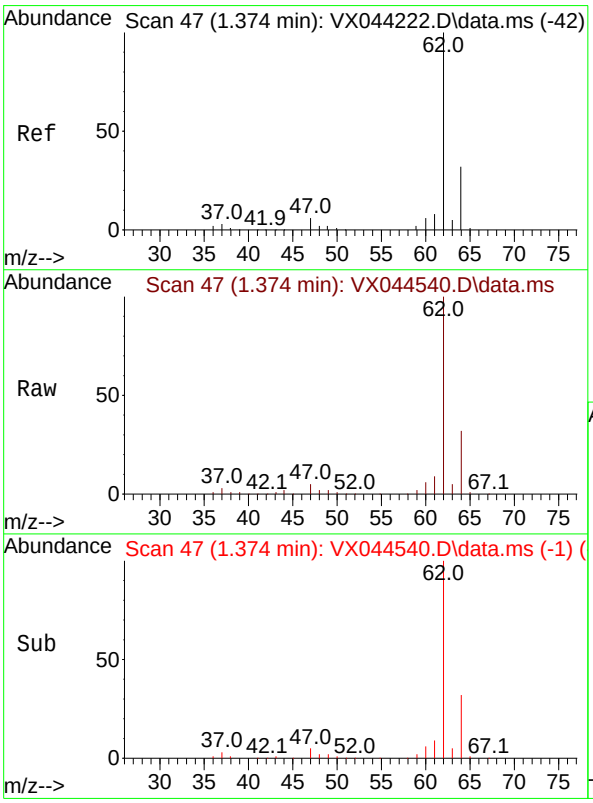
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

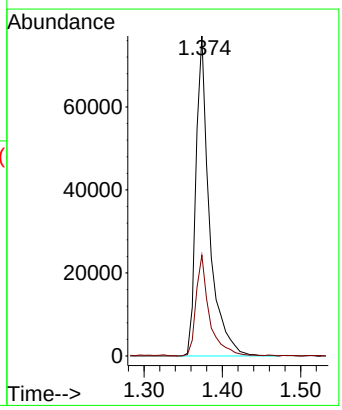


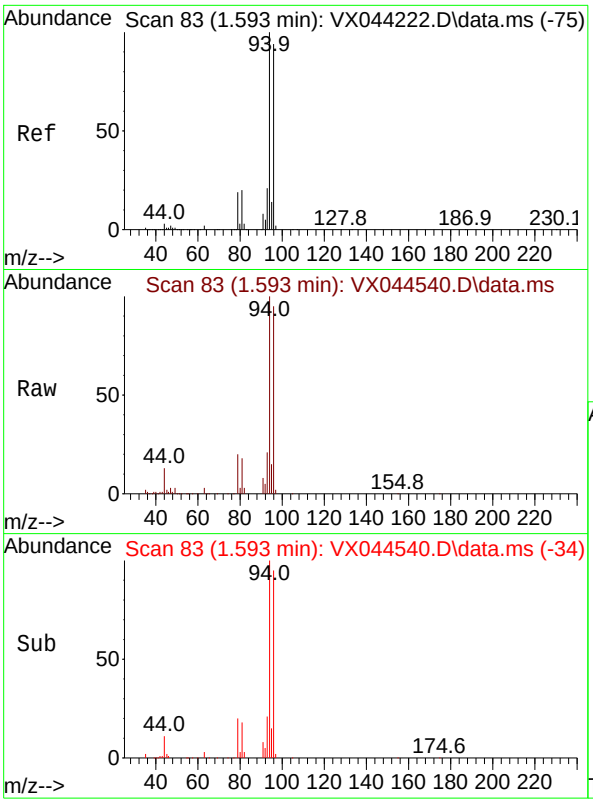


#4
Vinyl Chloride
Concen: 43.513 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 62 Resp: 92481

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.7	38.5





#5
Bromomethane
Concen: 41.301 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 94 Resp: 6227

Ion	Ratio	Lower	Upper
94	100		
96	95.3	74.9	112.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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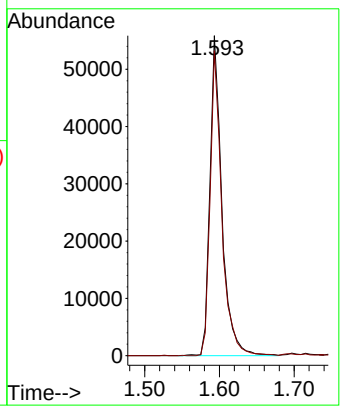
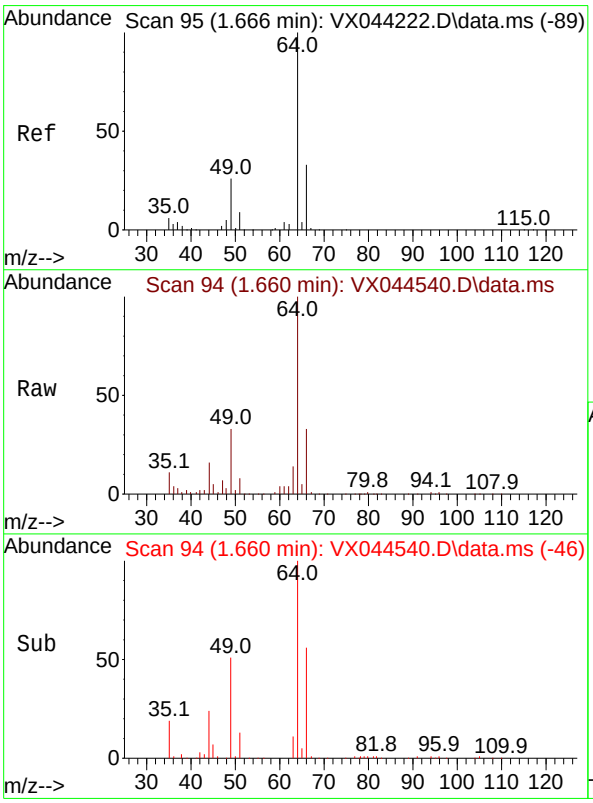
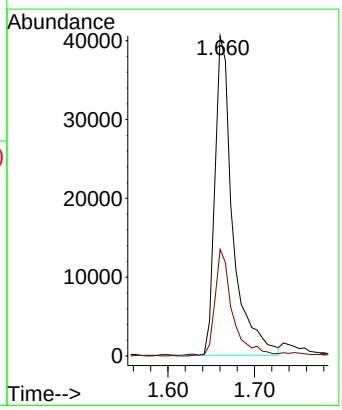


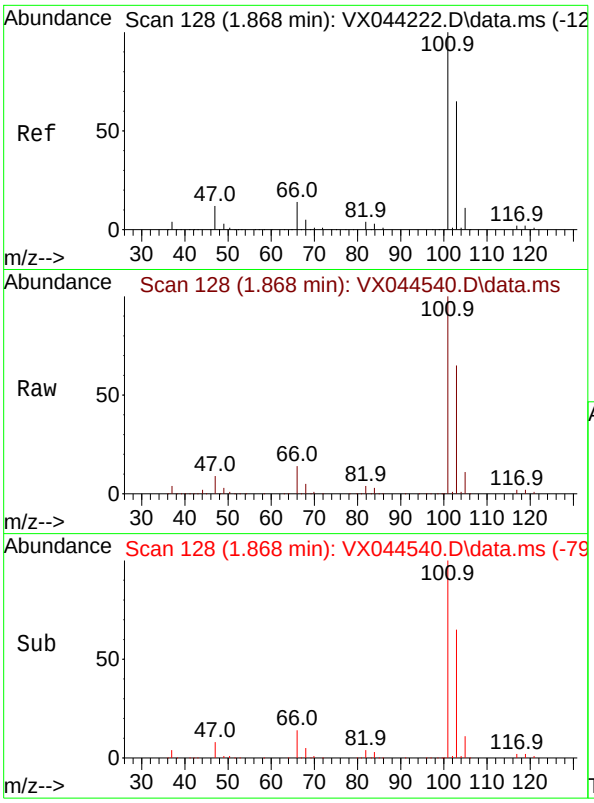


#6
Chloroethane
Concen: 43.836 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 64 Resp: 58013

Ion	Ratio	Lower	Upper
64	100		
66	33.4	26.6	39.8





#7
Trichlorofluoromethane
Concen: 40.661 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:101 Resp: 16918

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.8	77.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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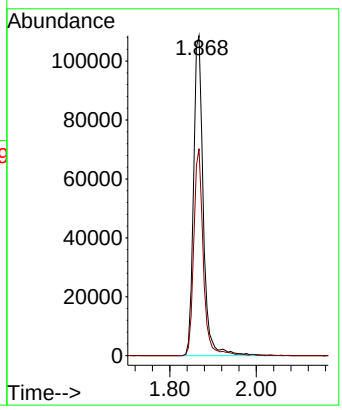
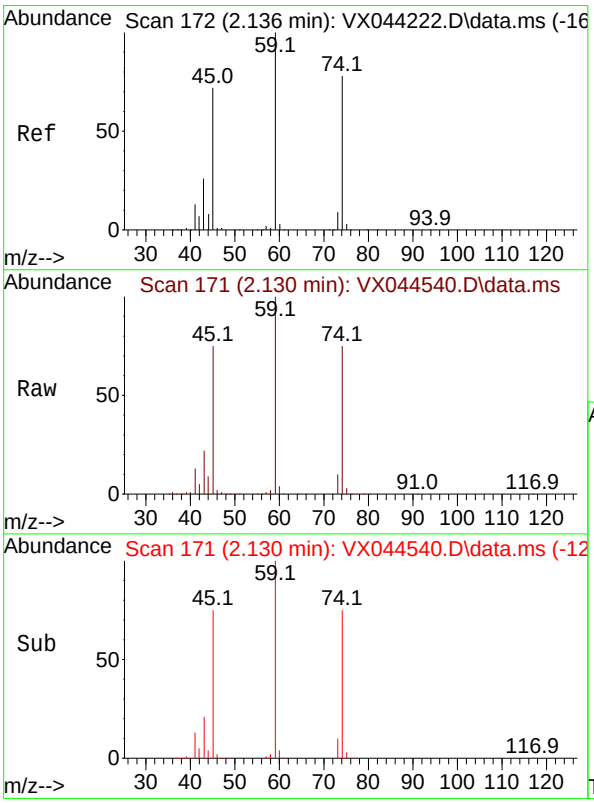
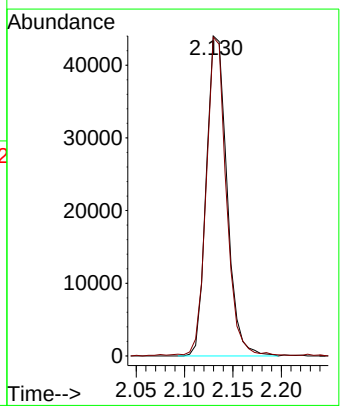


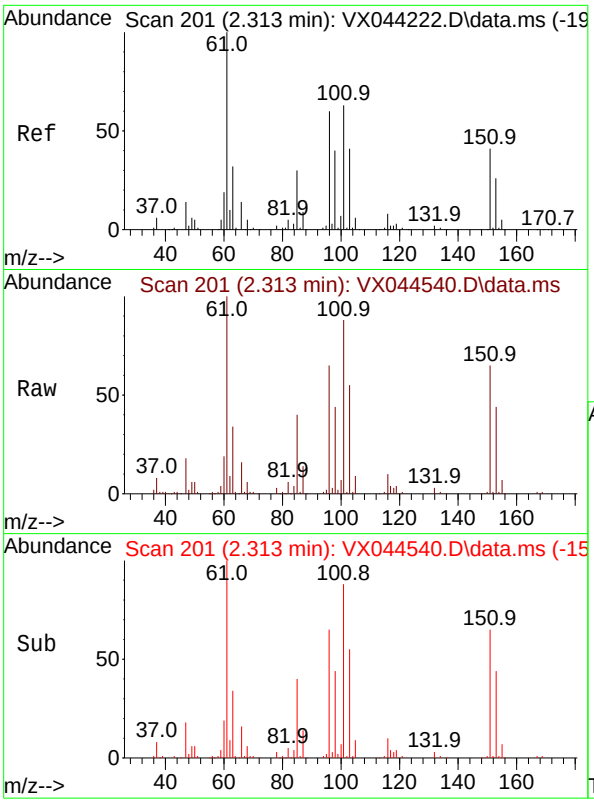


#8
Diethyl Ether
Concen: 45.861 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 74 Resp: 65134

Ion	Ratio	Lower	Upper
74	100		
45	97.6	48.4	145.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.314 ug/l
RT: 2.313 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 8302

Ion	Ratio	Lower	Upper
101	100		
85	45.6	38.5	57.7
151	76.2	55.8	83.6

Manual Integrations
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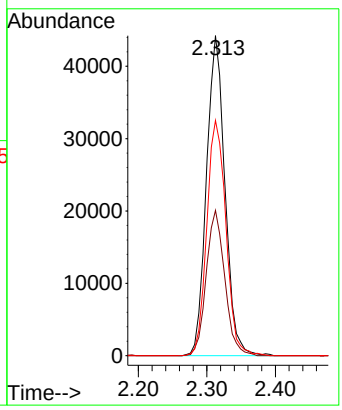
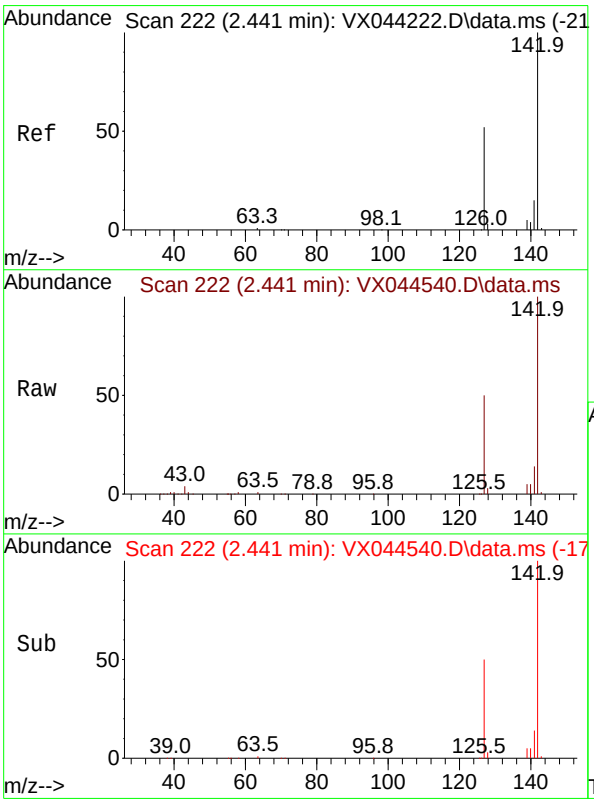
Supervised By :Mahesh Dadoda 12/31/2024

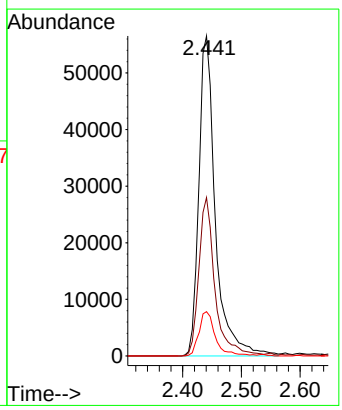


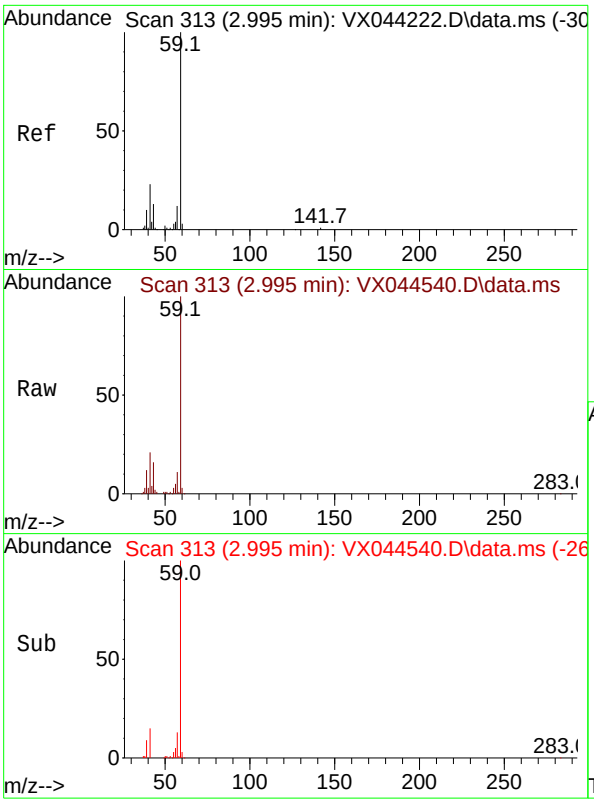


#10
Methyl Iodide
Concen: 49.847 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:142 Resp: 110611

Ion	Ratio	Lower	Upper
142	100		
127	48.2	41.8	62.8
141	13.9	11.5	17.3





#11
Tert butyl alcohol
Concen: 203.663 ug/l
RT: 2.995 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 59 Resp: 6943

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.8	13.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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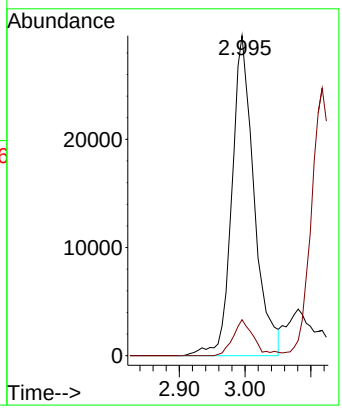
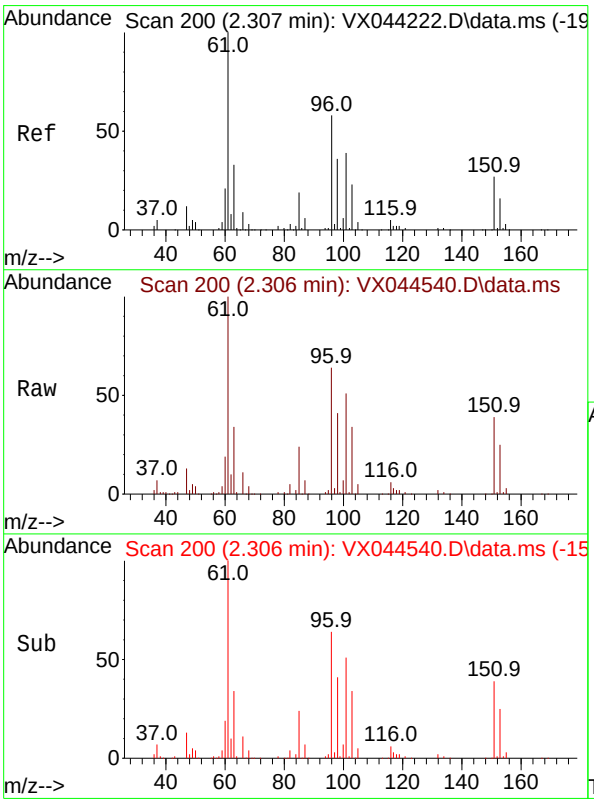
Supervised By :Mahesh Dadoda 12/31/2024

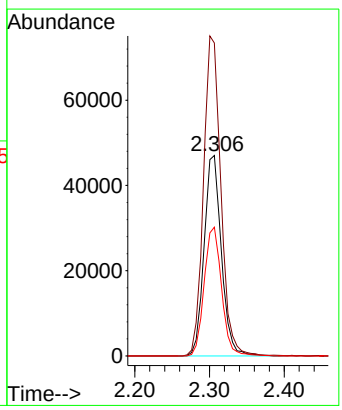


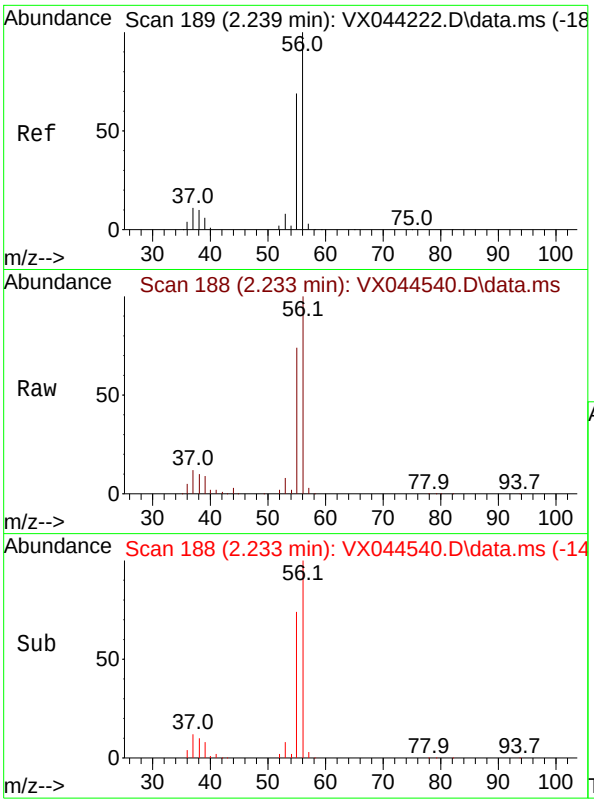


#12
1,1-Dichloroethene
Concen: 48.846 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 96 Resp: 75538

Ion	Ratio	Lower	Upper
96	100		
61	156.1	138.0	207.0
98	64.3	50.0	75.0





#13
Acrolein
Concen: 142.534 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 56 Resp: 7034

Ion	Ratio	Lower	Upper
56	100		
55	71.3	56.6	84.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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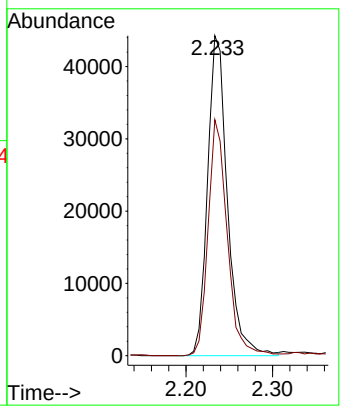
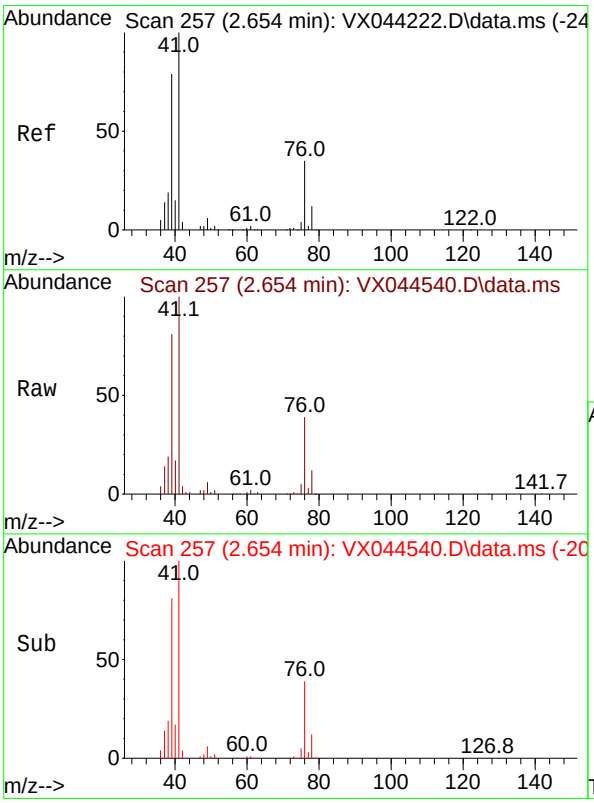
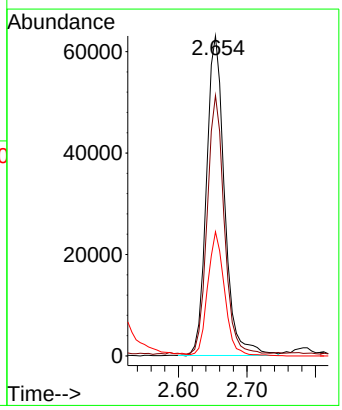


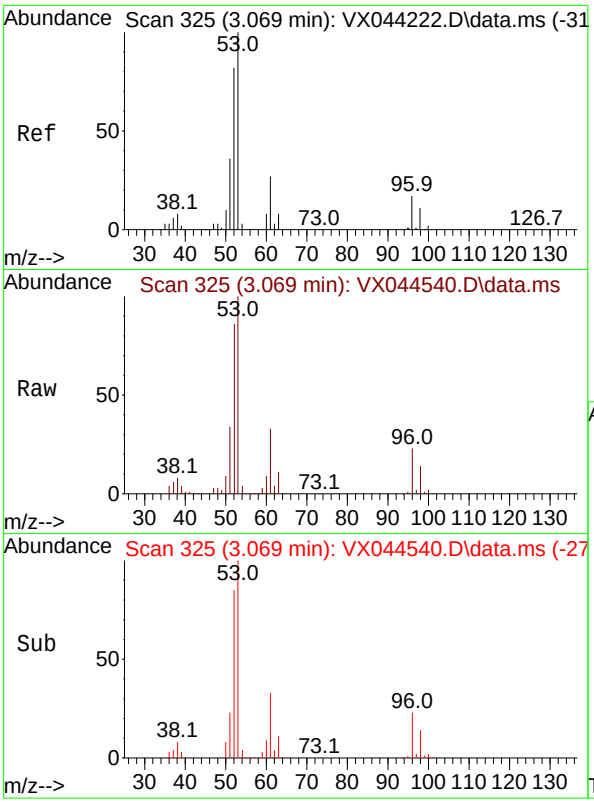


#14
Allyl chloride
Concen: 44.955 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 41 Resp: 115796

Ion	Ratio	Lower	Upper
41	100		
39	76.1	61.9	92.9
76	36.4	27.4	41.2





#15
Acrylonitrile
Concen: 233.158 ug/l
RT: 3.069 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 53 Resp: 22019

Ion	Ratio	Lower	Upper
53	100		
52	82.3	67.4	101.0
51	36.4	30.3	45.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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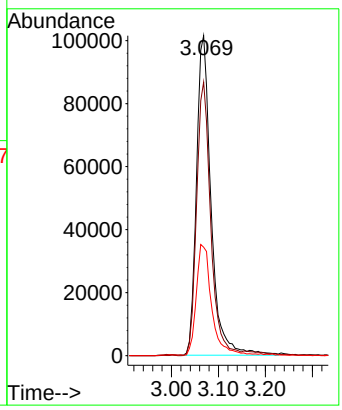
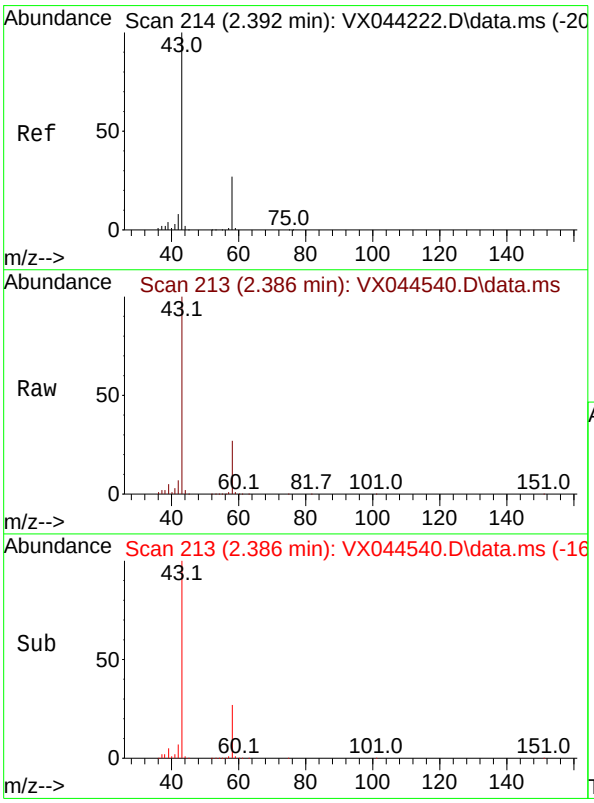
Supervised By :Mahesh Dadoda 12/31/2024

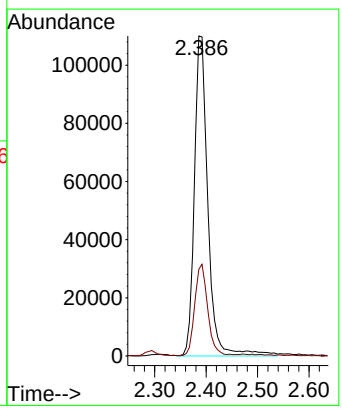


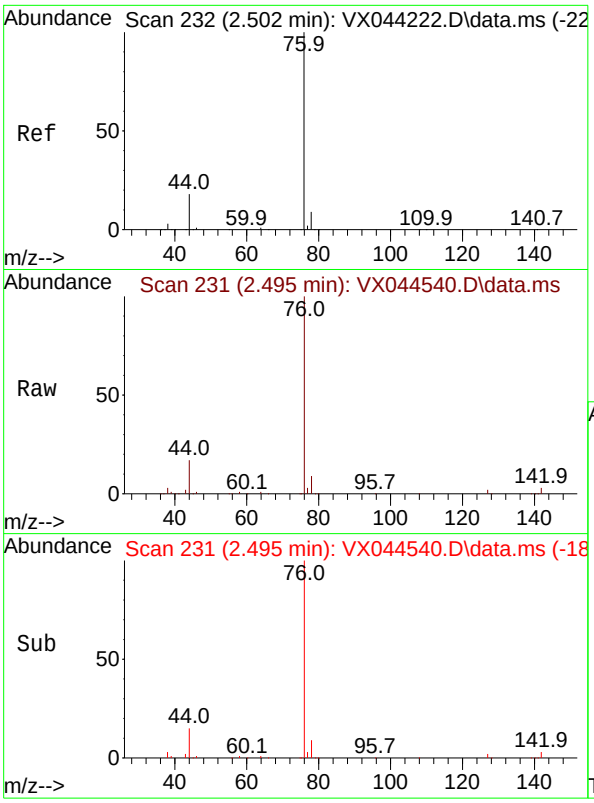


#16
Acetone
Concen: 203.343 ug/l m
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 43 Resp: 200539

Ion	Ratio	Lower	Upper
43	100		
58	27.1	21.6	32.4





#17
Carbon Disulfide
Concen: 45.453 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 76 Resp: 13361

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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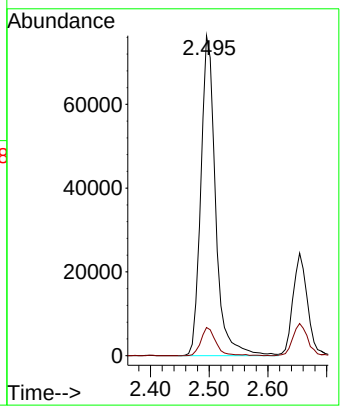
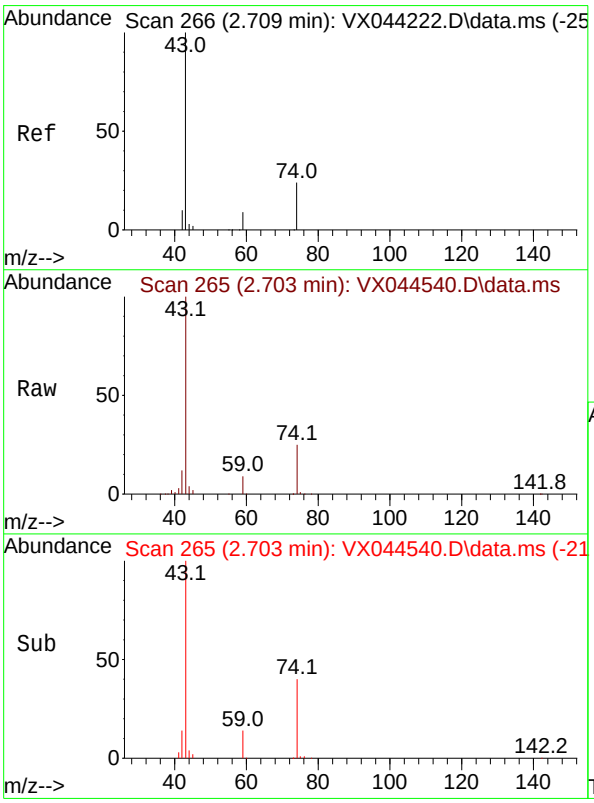
Supervised By :Mahesh Dadoda 12/31/2024

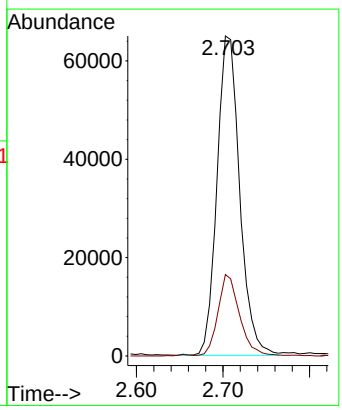


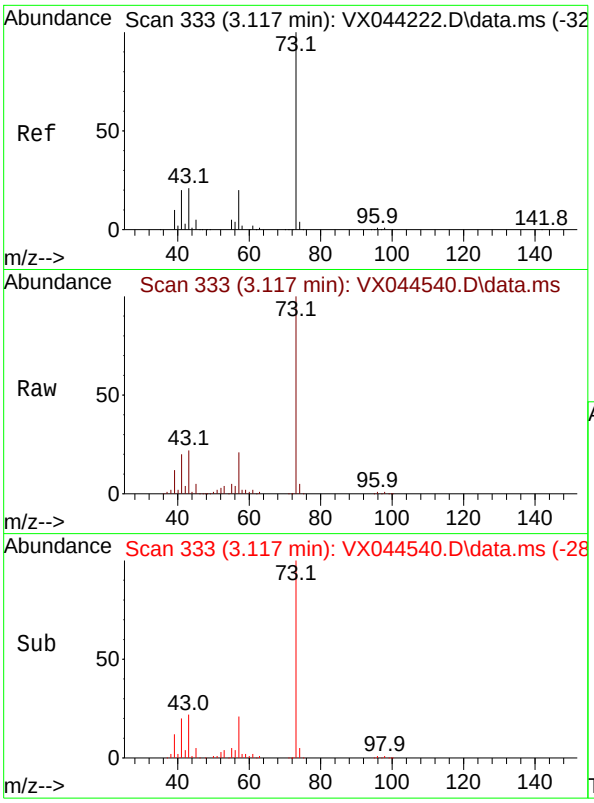


#18
Methyl Acetate
Concen: 46.562 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 43 Resp: 118398

Ion	Ratio	Lower	Upper
43	100		
74	23.7	17.7	26.5





#19
Methyl tert-butyl Ether
Concen: 43.403 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 73 Resp: 26193

Ion	Ratio	Lower	Upper
73	100		
57	21.1	16.2	24.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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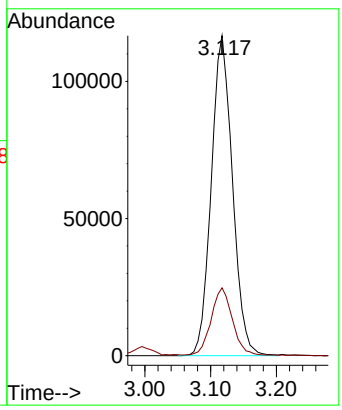
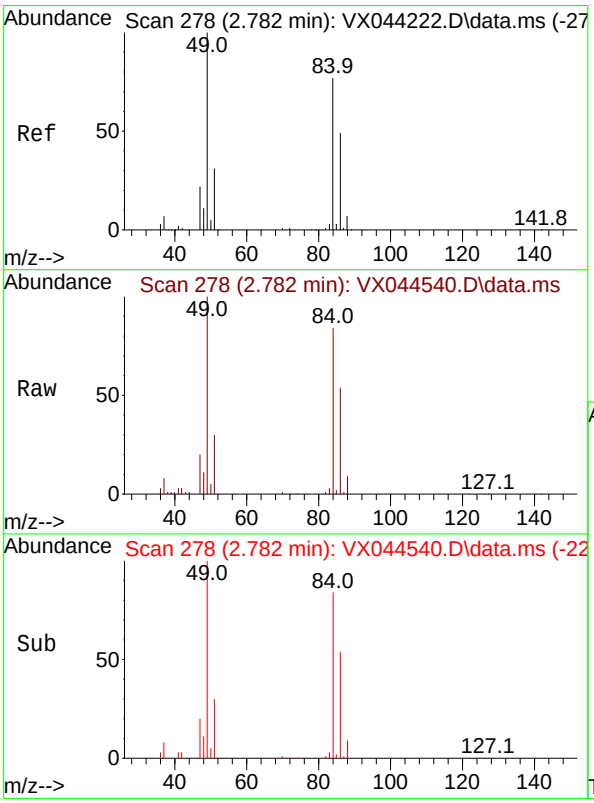
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

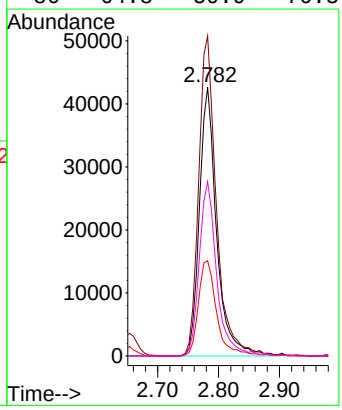


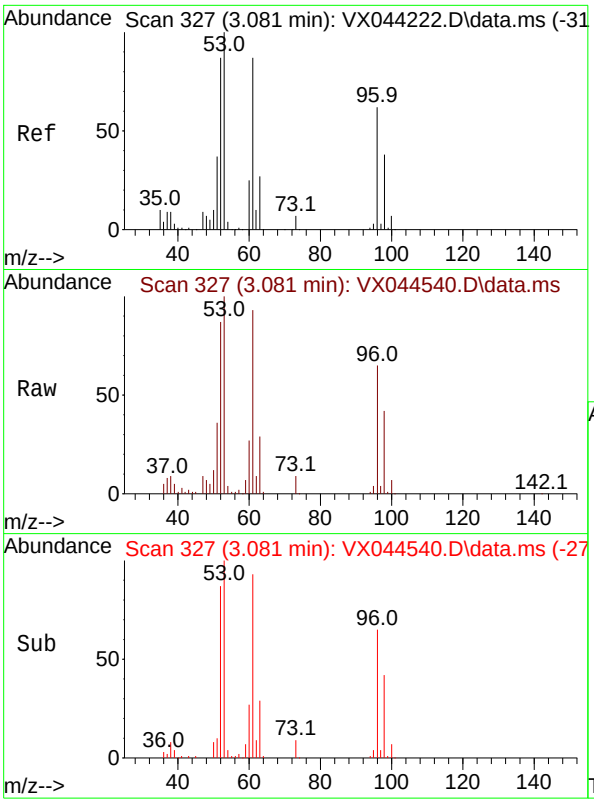


#20
Methylene Chloride
Concen: 45.325 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 84 Resp: 83957

Ion	Ratio	Lower	Upper
84	100		
49	119.1	104.2	156.4
51	35.4	32.2	48.4
86	64.8	50.9	76.3





#21
trans-1,2-Dichloroethene
Concen: 45.427 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 96 Resp: 7466

Ion	Ratio	Lower	Upper
96	100		
61	143.2	112.0	168.0
98	64.8	48.8	73.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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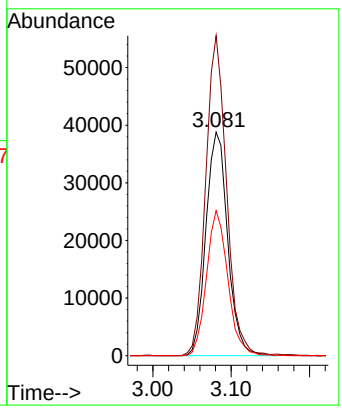
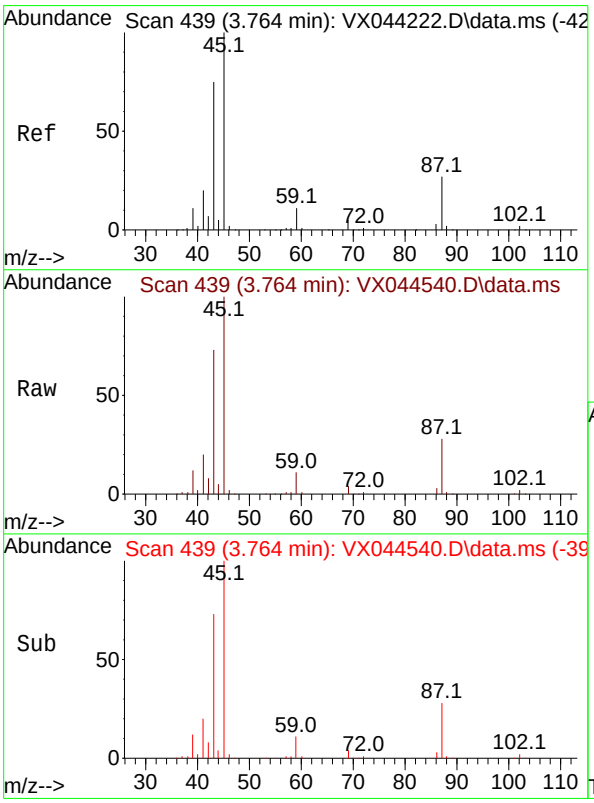
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

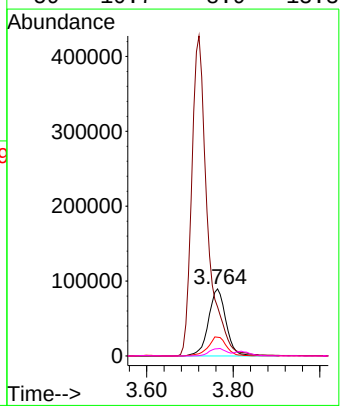


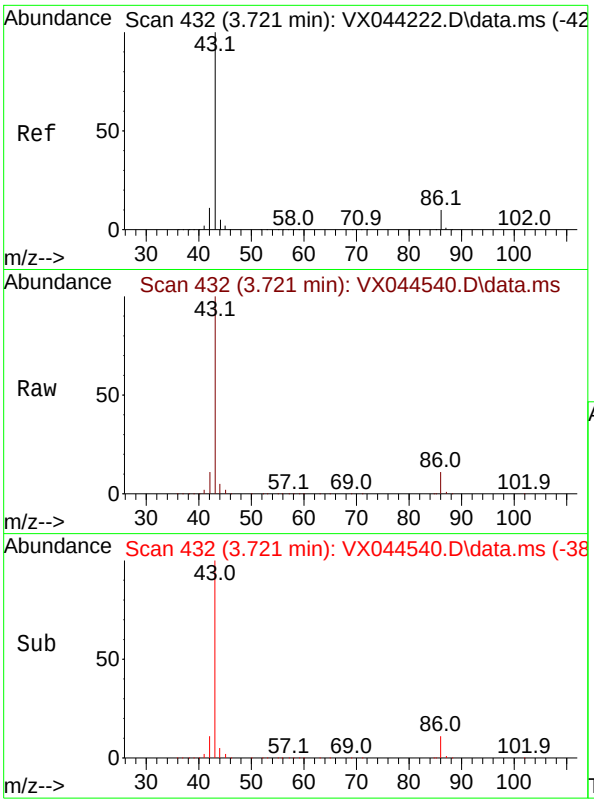


#22
Diisopropyl ether
Concen: 43.324 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 45 Resp: 251297

Ion	Ratio	Lower	Upper
45	100		
43	73.1	60.2	90.2
87	28.0	21.2	31.8
59	10.7	8.9	13.3





#23
Vinyl Acetate
Concen: 230.231 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 43 Resp: 108569

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.2	12.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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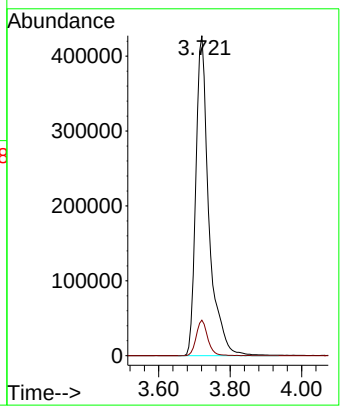
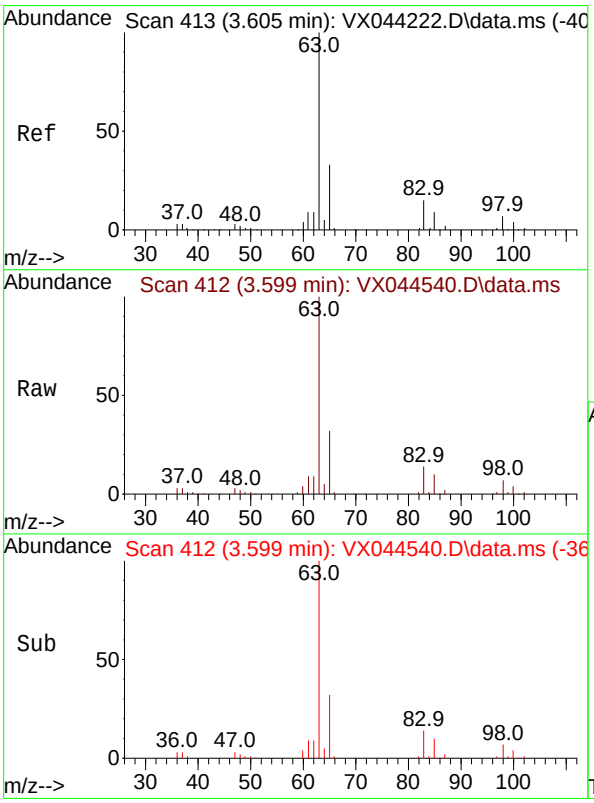
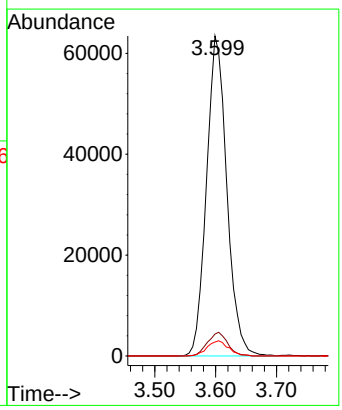


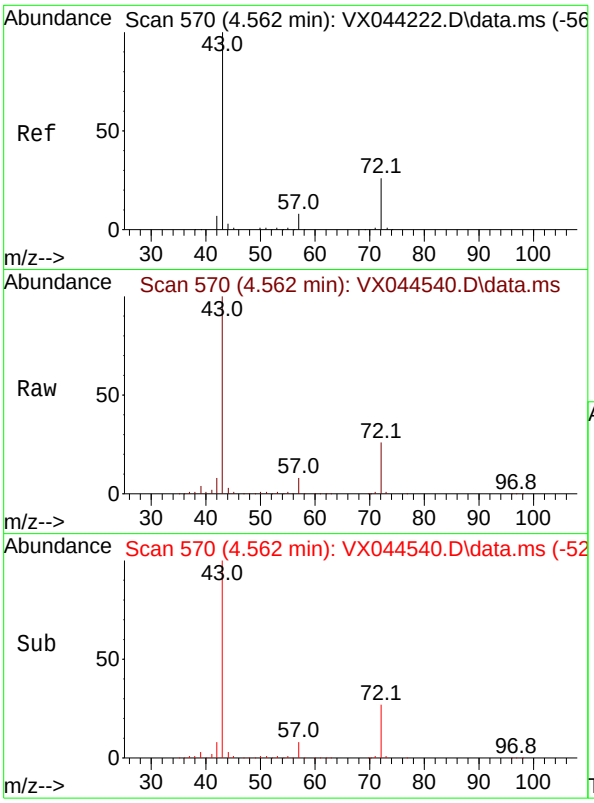


#24
1,1-Dichloroethane
Concen: 45.551 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 63 Resp: 147276

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.6	10.8
100	4.4	2.1	6.3





#25
2-Butanone
Concen: 217.020 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 43 Resp: 30427

Ion	Ratio	Lower	Upper
43	100		
72	26.3	20.2	30.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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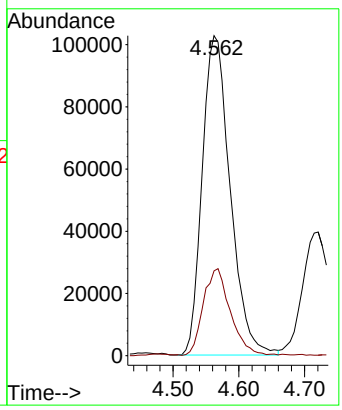
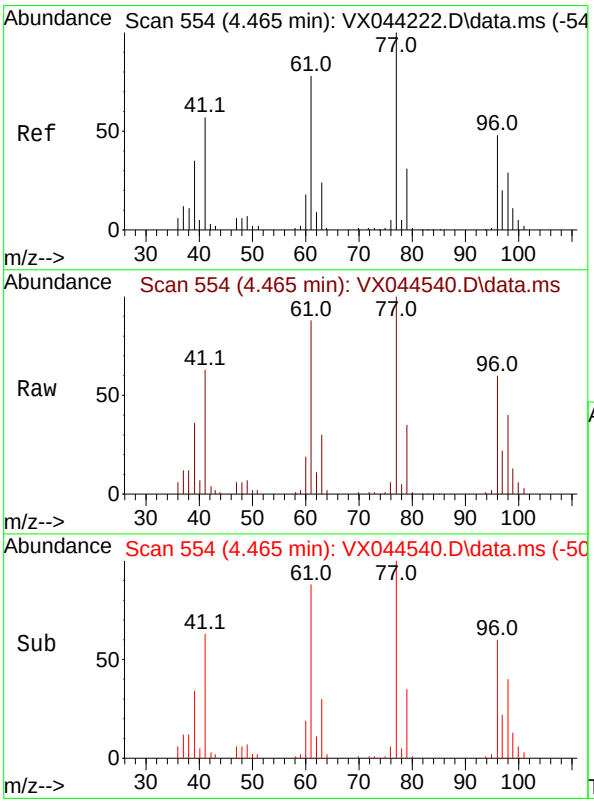
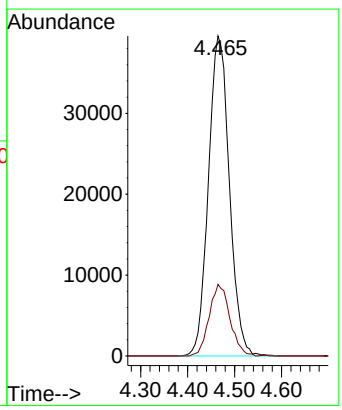


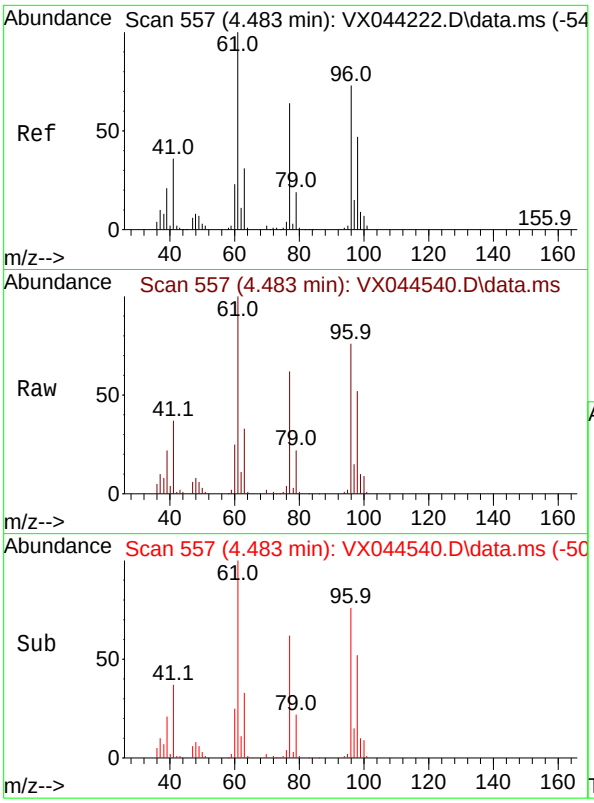


#26
2,2-Dichloropropane
Concen: 46.637 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 77 Resp: 122500

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 46.029 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 96 Resp: 9607

Ion	Ratio	Lower	Upper
96	100		
61	139.6	0.0	299.0
98	65.4	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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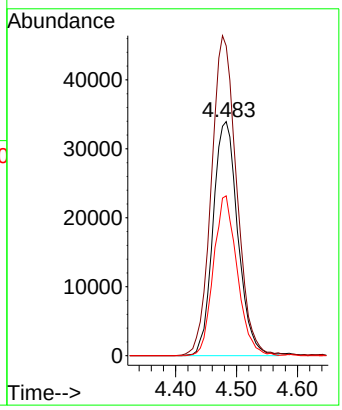
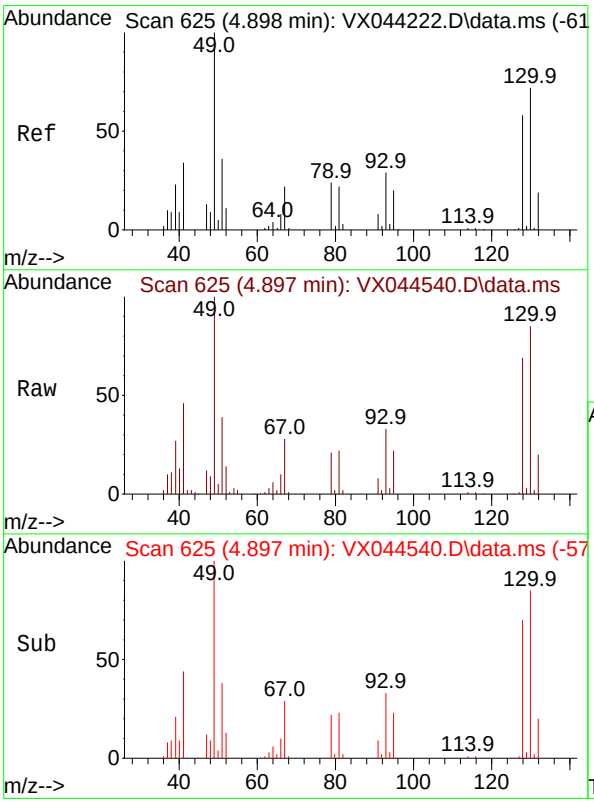
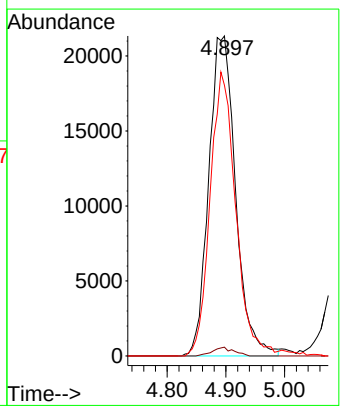


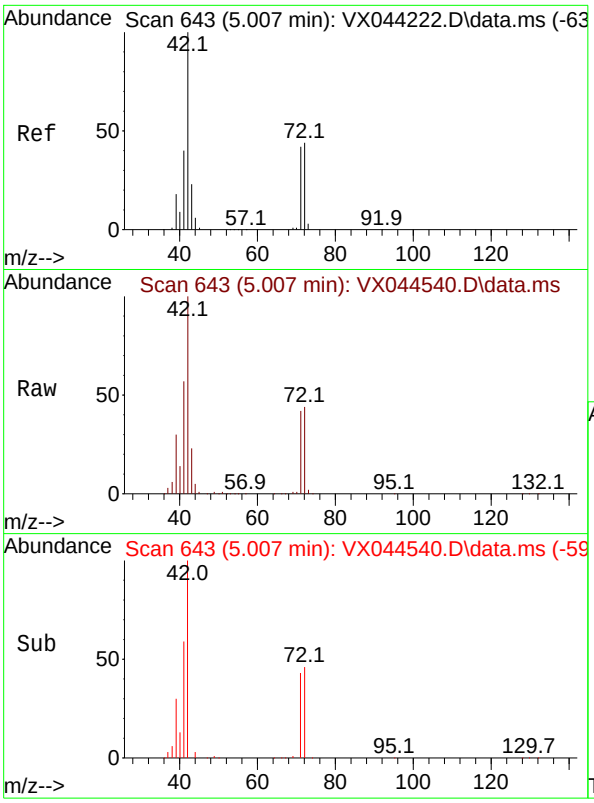


#28
Bromochloromethane
Concen: 42.719 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 49 Resp: 67730

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	84.6	62.1	93.1





#29
Tetrahydrofuran
Concen: 217.562 ug/l
RT: 5.007 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 42 Resp: 19578

Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.0	55.6
71	43.2	33.6	50.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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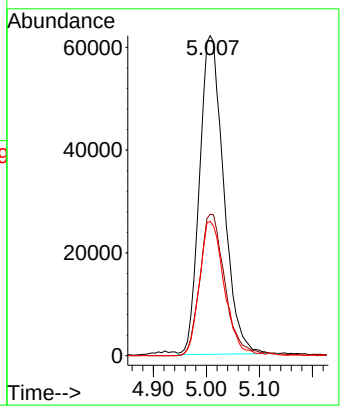
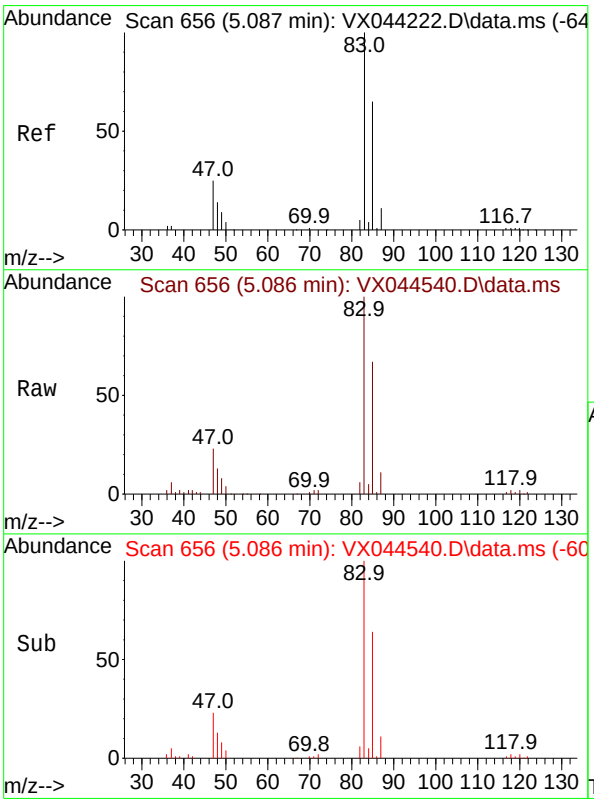
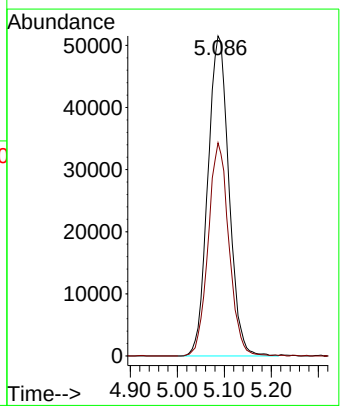


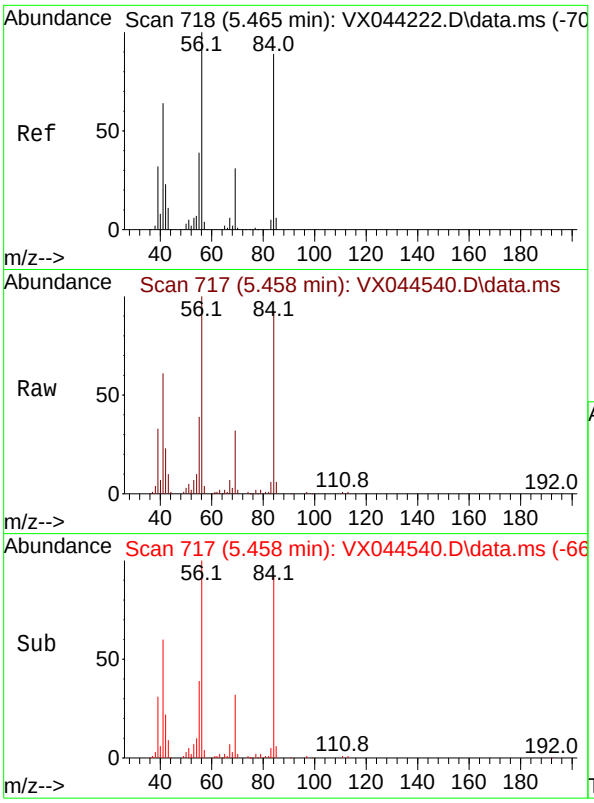


#30
Chloroform
Concen: 44.097 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 83 Resp: 160188

Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.6	77.4





#31
Cyclohexane
Concen: 44.218 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 11544

Ion	Ratio	Lower	Upper
56	100		
69	32.2	24.7	37.1
84	89.8	71.0	106.6

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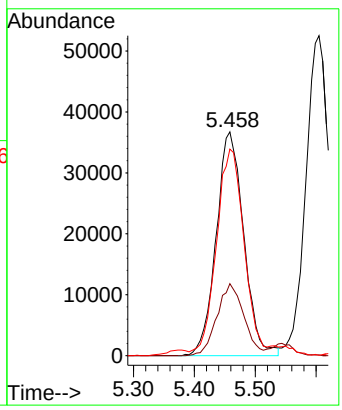
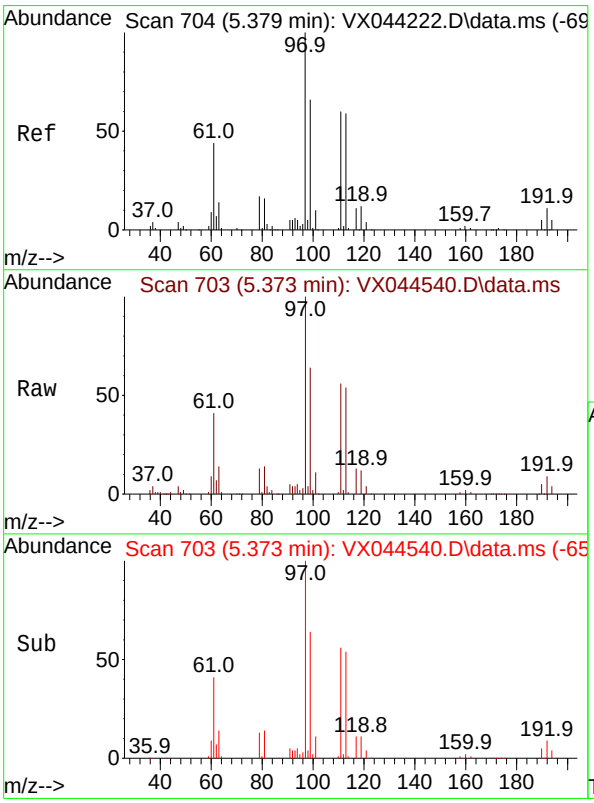
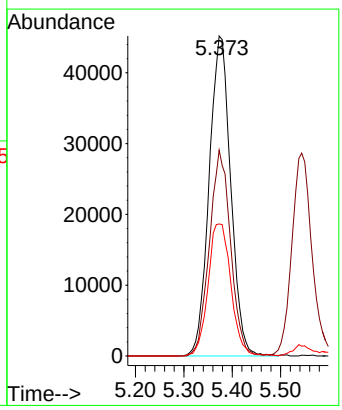


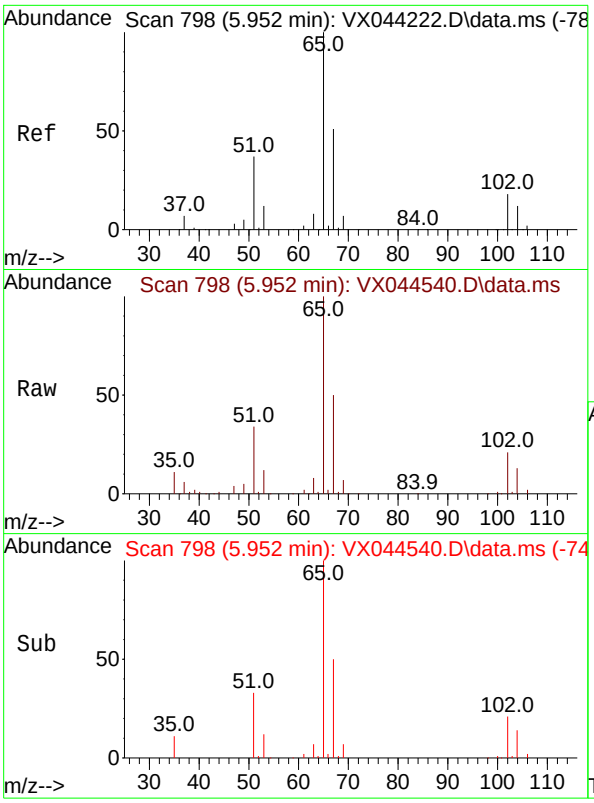


#32
1,1,1-Trichloroethane
Concen: 46.342 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 97 Resp: 139739

Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.8	76.2
61	43.8	35.2	52.8





#33
1,2-Dichloroethane-d4
Concen: 40.623 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 65 Resp: 9826

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	101.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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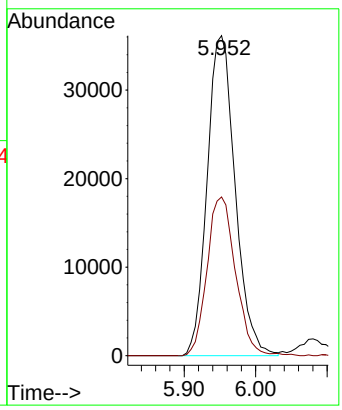
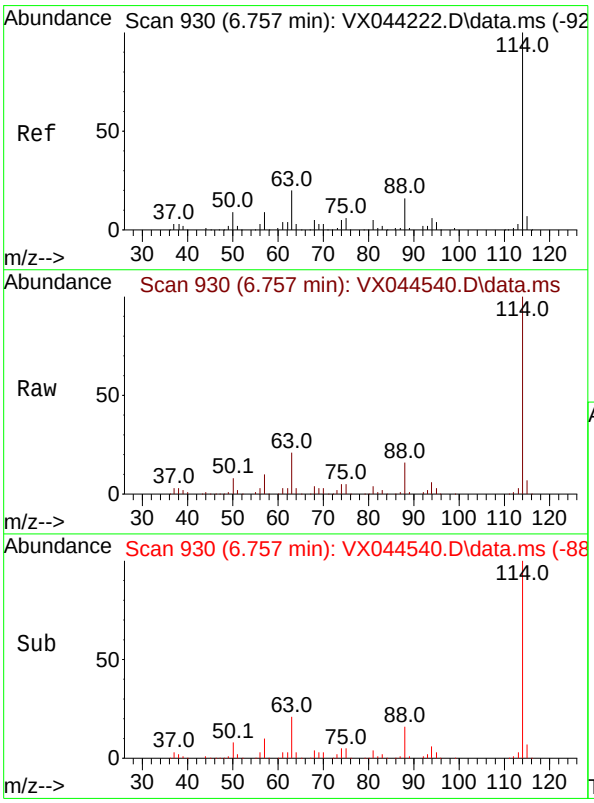
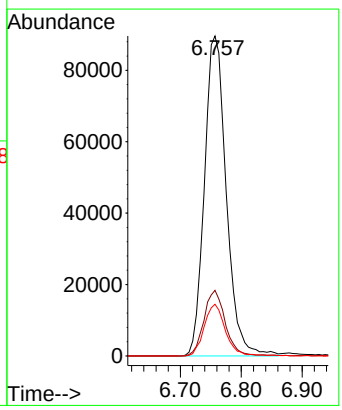


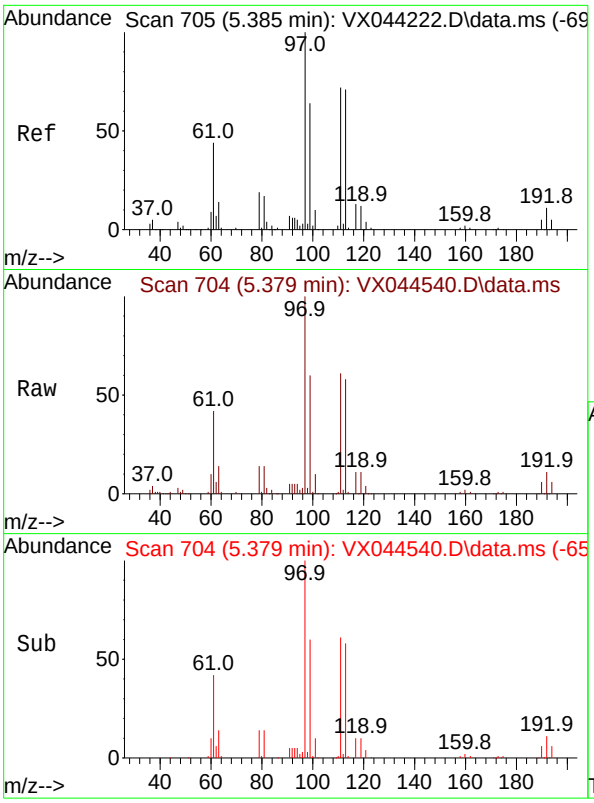


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:114 Resp: 223553

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.6
88	16.1	0.0	31.8





#35
Dibromofluoromethane
Concen: 50.062 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 7751

Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.4	120.6
192	19.4	13.3	19.9

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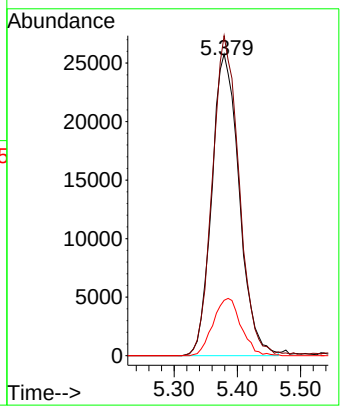
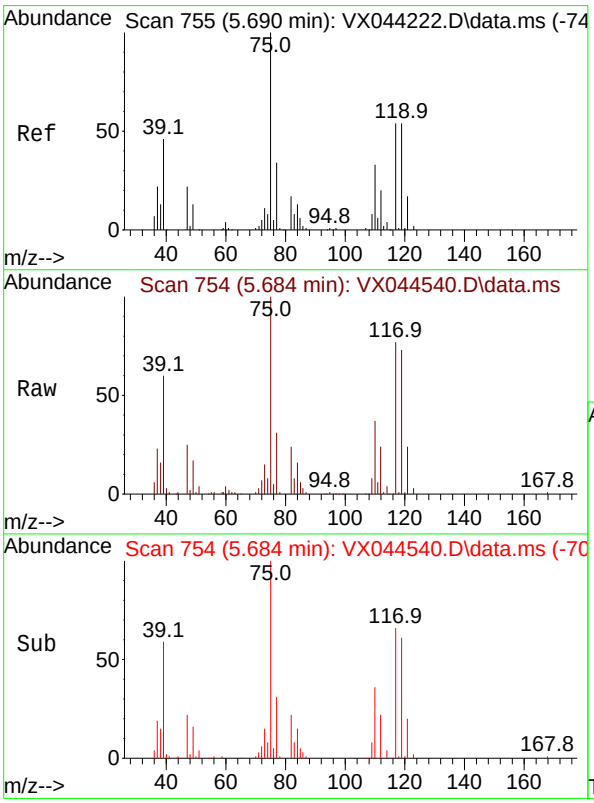
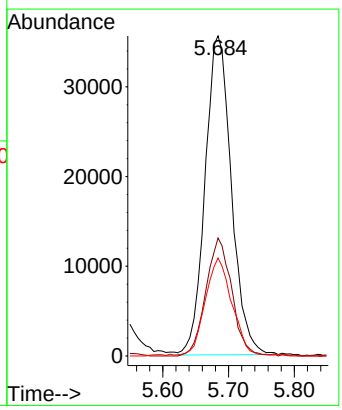


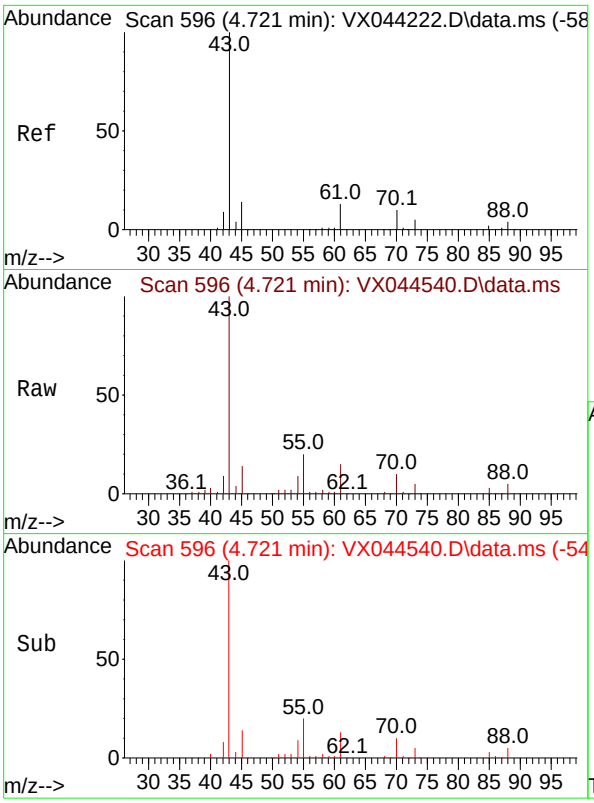


#36
1,1-Dichloropropene
Concen: 49.419 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 75 Resp: 98907

Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.3	51.7
77	31.0	25.4	38.0





#37
Ethyl Acetate
Concen: 47.524 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 43 Resp: 11757

Ion	Ratio	Lower	Upper
43	100		
61	14.1	9.8	14.8
70	10.2	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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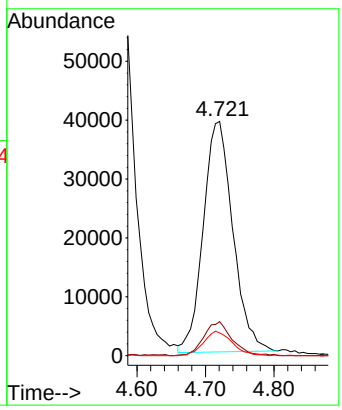
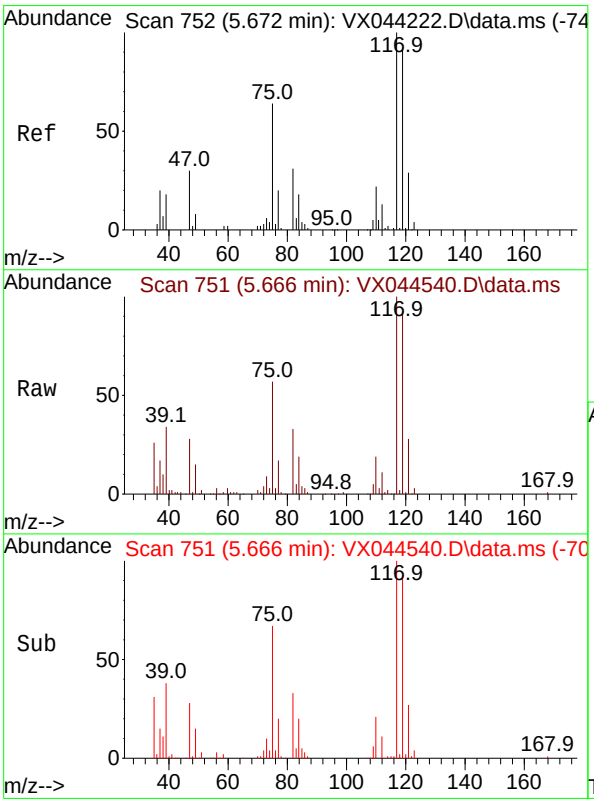
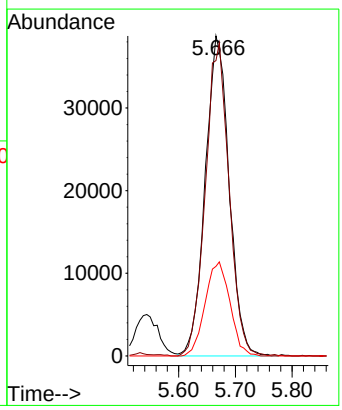


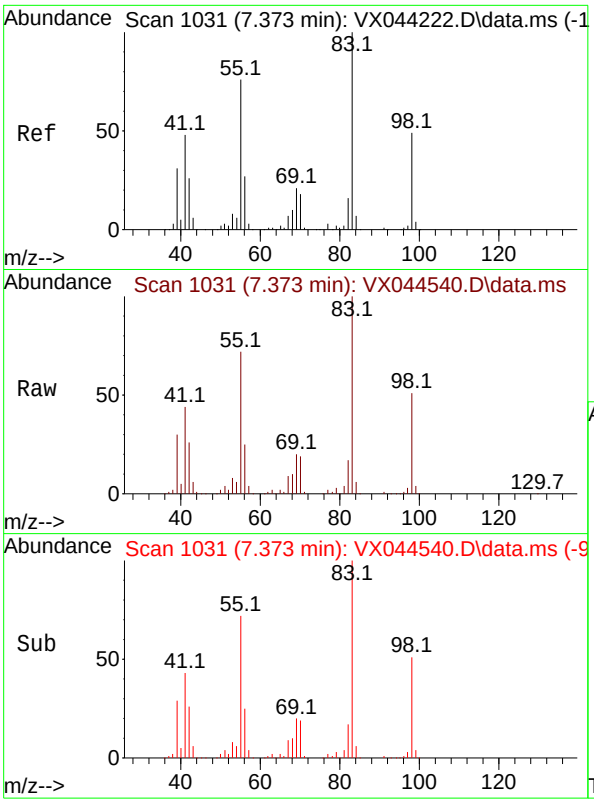


#38
Carbon Tetrachloride
Concen: 52.739 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:117 Resp: 113637

Ion	Ratio	Lower	Upper
117	100		
119	92.3	74.2	111.4
121	28.0	23.0	34.6





#39
Methylcyclohexane
Concen: 53.905 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 12897

Ion	Ratio	Lower	Upper
83	100		
55	71.9	60.7	91.1
98	50.9	38.9	58.3

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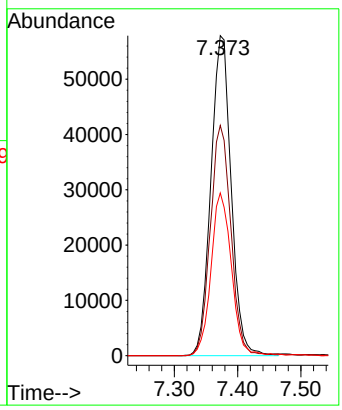
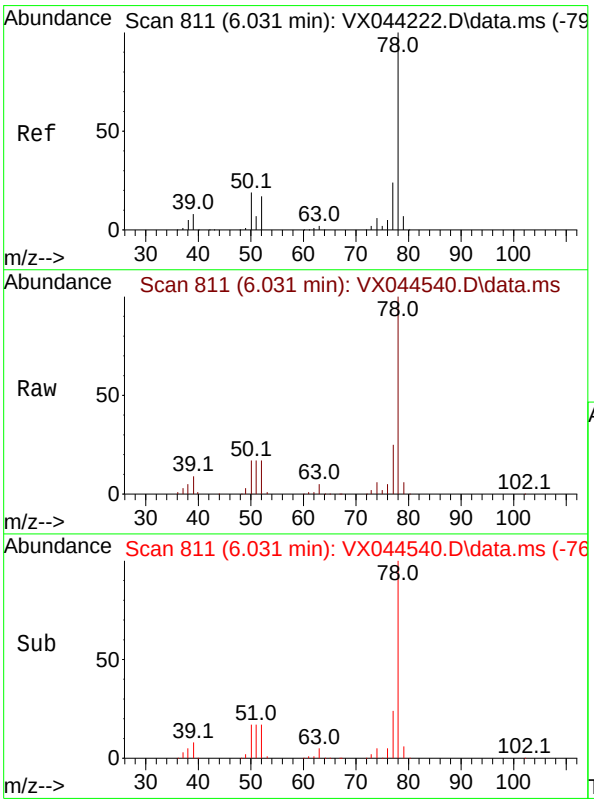
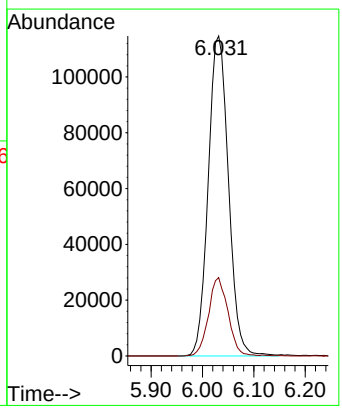


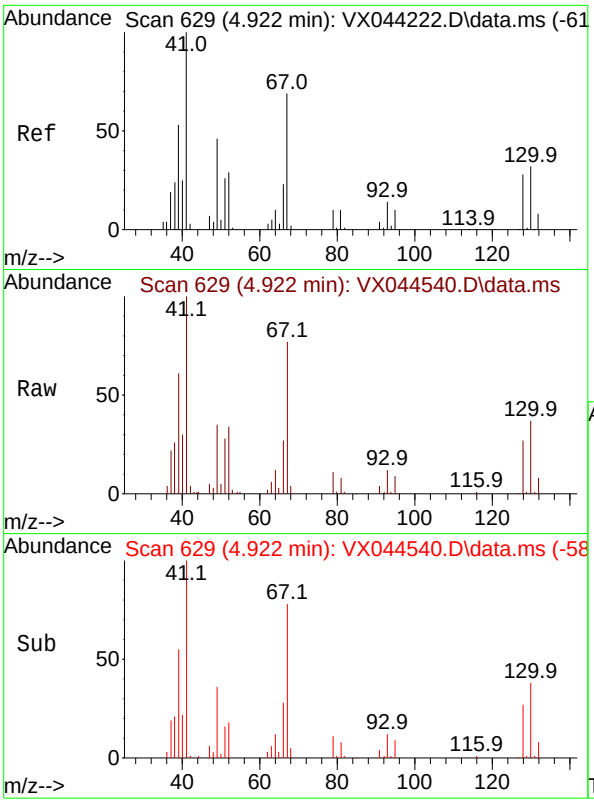


#40
Benzene
Concen: 51.597 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 78 Resp: 313533

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.3	28.9





#41
Methacrylonitrile
Concen: 48.575 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 6381

Ion	Ratio	Lower	Upper
41	100		
39	58.7	44.2	66.4
67	74.5	57.2	85.8
52	34.3	24.6	37.0

Manual Integrations
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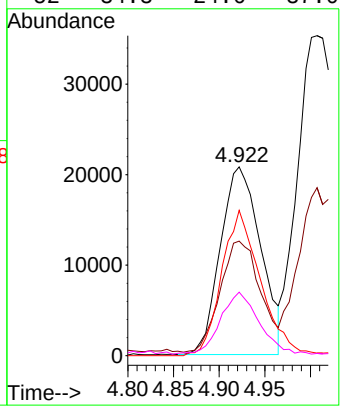
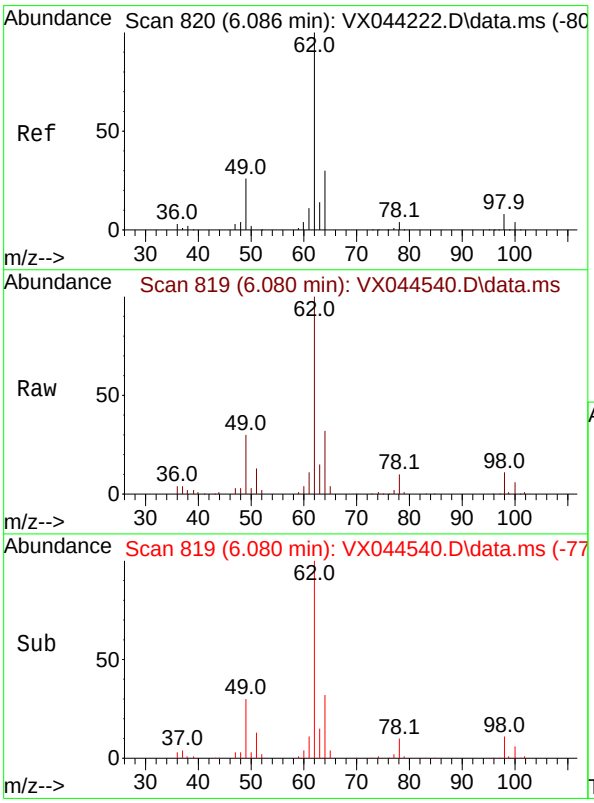
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

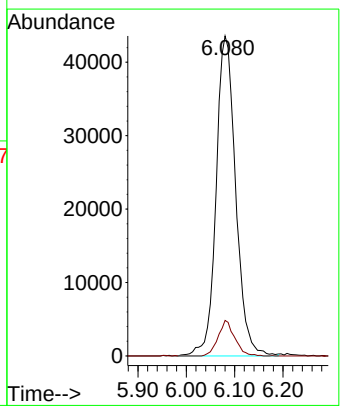


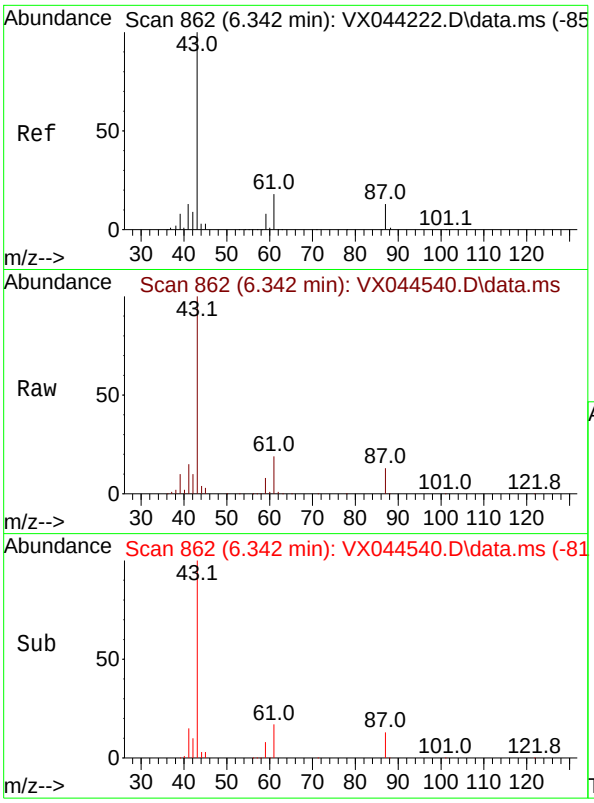


#42
1,2-Dichloroethane
Concen: 48.922 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 62 Resp: 122458

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	15.8





#43
Isopropyl Acetate
Concen: 49.578 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 43 Resp: 191709

Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.2	21.2
87	13.3	10.2	15.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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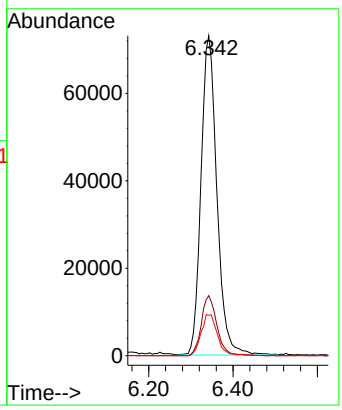
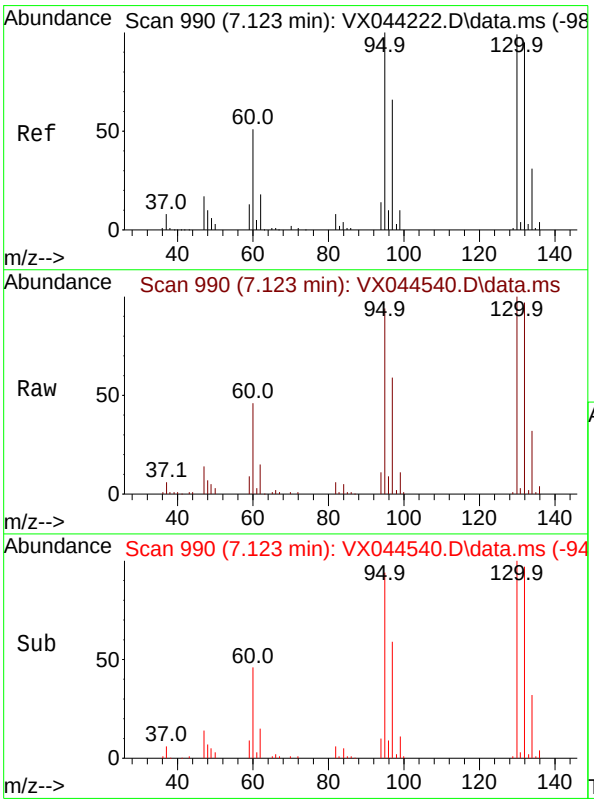
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

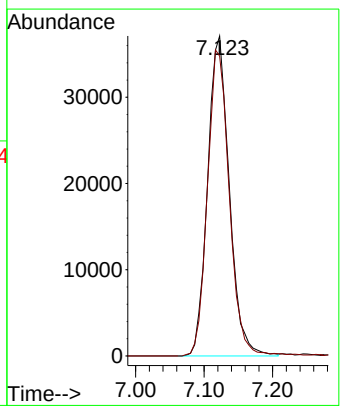


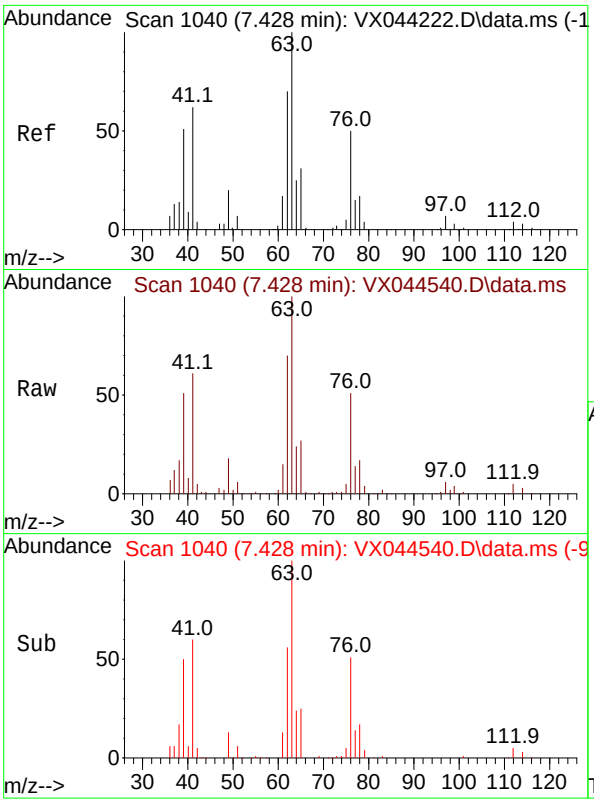


#44
Trichloroethene
Concen: 53.888 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:130 Resp: 81658

Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	201.4





#45
1,2-Dichloropropane
Concen: 51.047 ug/l
RT: 7.428 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 7924

Ion	Ratio	Lower	Upper
63	100		
65	27.0	24.6	37.0

Manual Integrations
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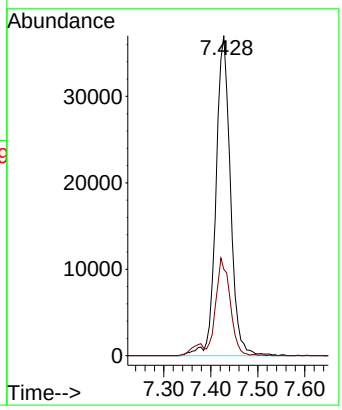
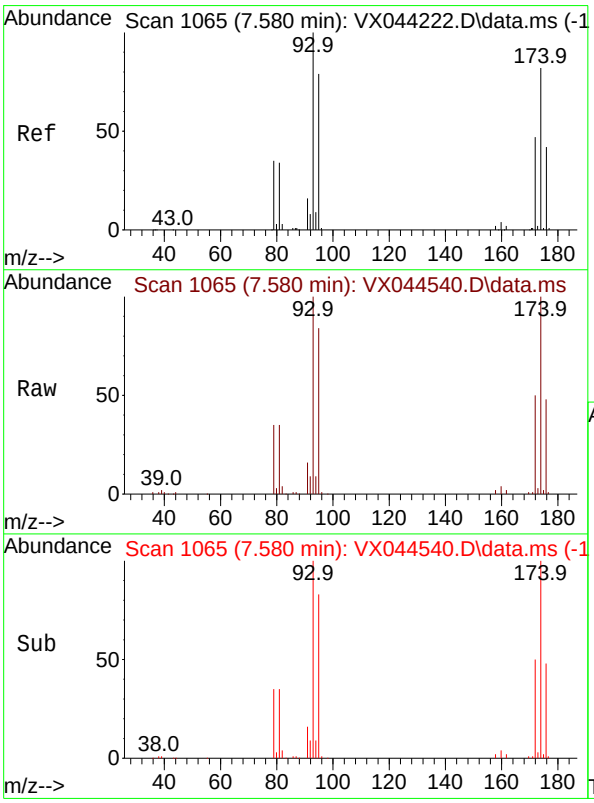
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

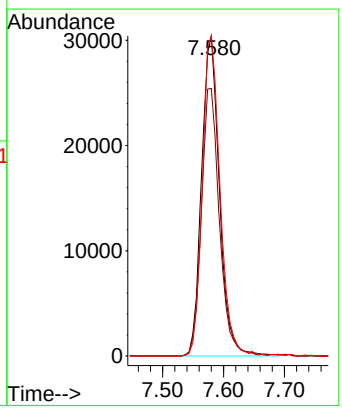


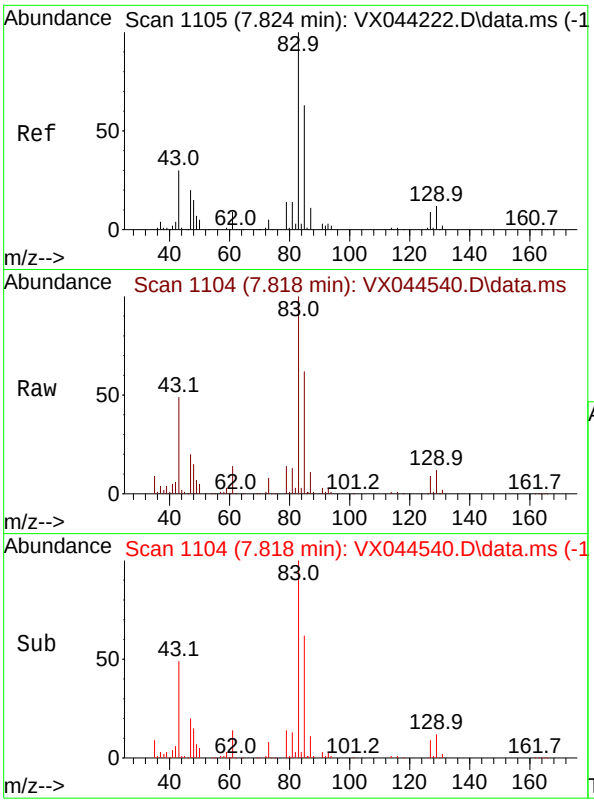


#46
Dibromomethane
Concen: 51.298 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 93 Resp: 61783

Ion	Ratio	Lower	Upper
93	100		
95	84.2	65.4	98.2
174	99.2	67.9	101.9





#47
Bromodichloromethane
Concen: 54.155 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 83 Resp: 11264

Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.6	75.8
127	8.8	7.3	10.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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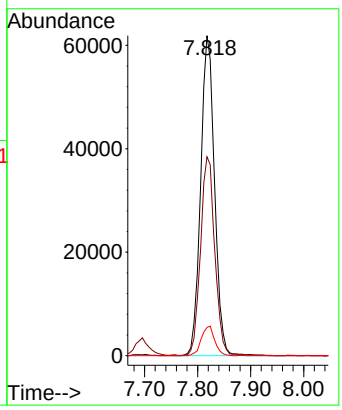
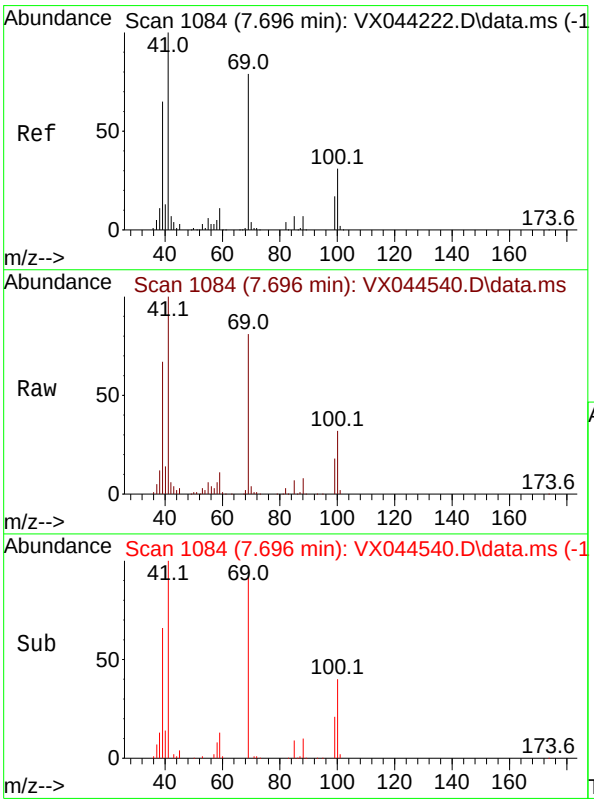
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

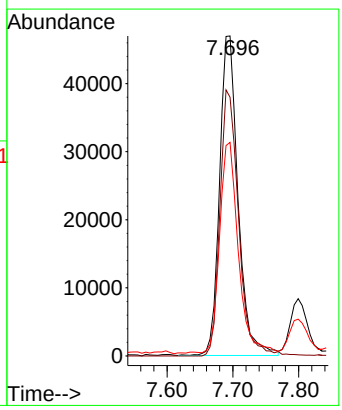


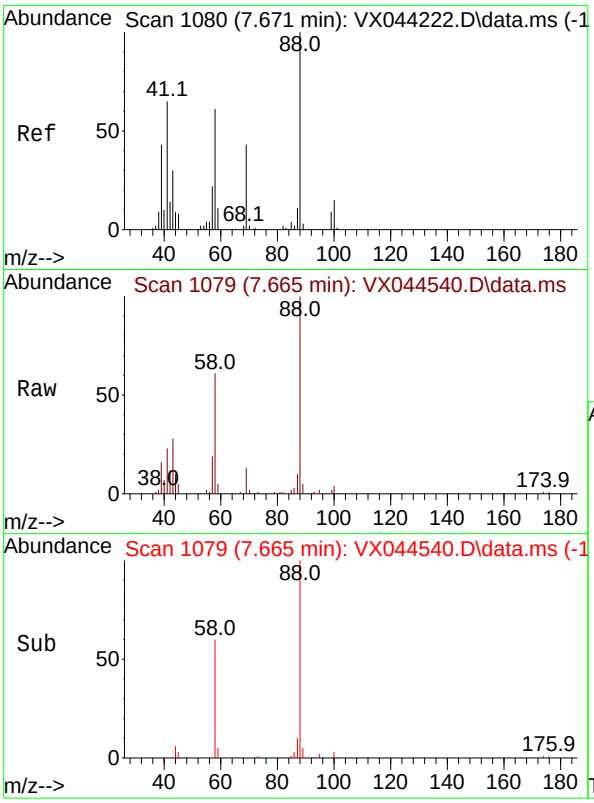


#48
Methyl methacrylate
Concen: 48.959 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 41 Resp: 91897

Ion	Ratio	Lower	Upper
41	100		
69	84.1	62.4	93.6
39	65.8	53.3	79.9





#49
1,4-Dioxane
Concen: 1108.620 ug/l m
RT: 7.665 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 88 Resp: 3450

Ion	Ratio	Lower	Upper
88	100		
43	31.3	27.1	40.7
58	49.3	41.0	61.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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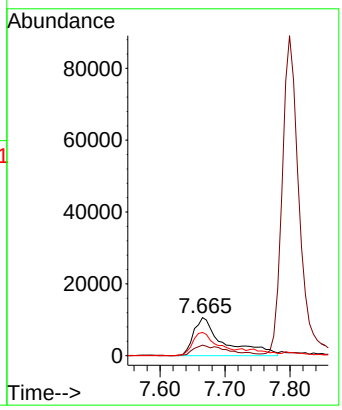
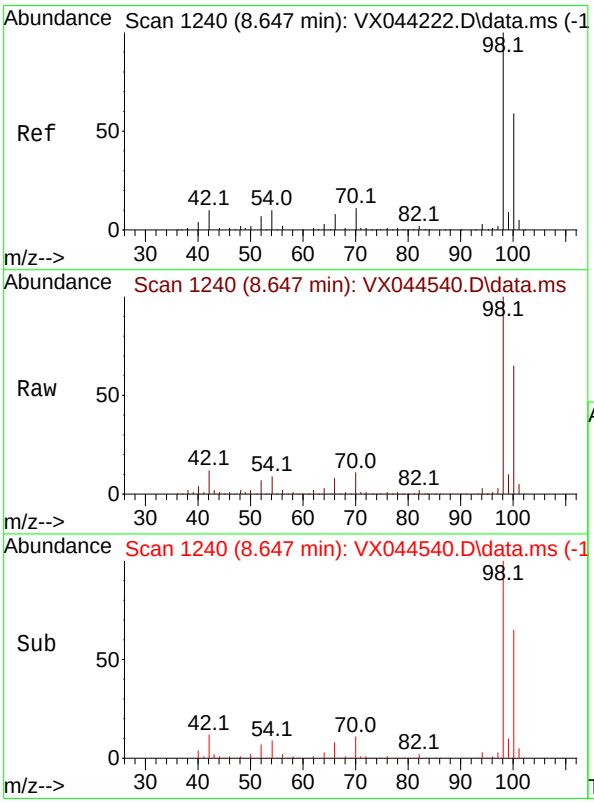
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

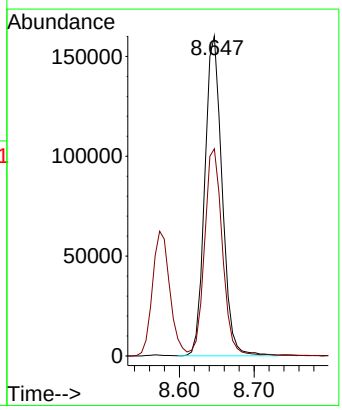


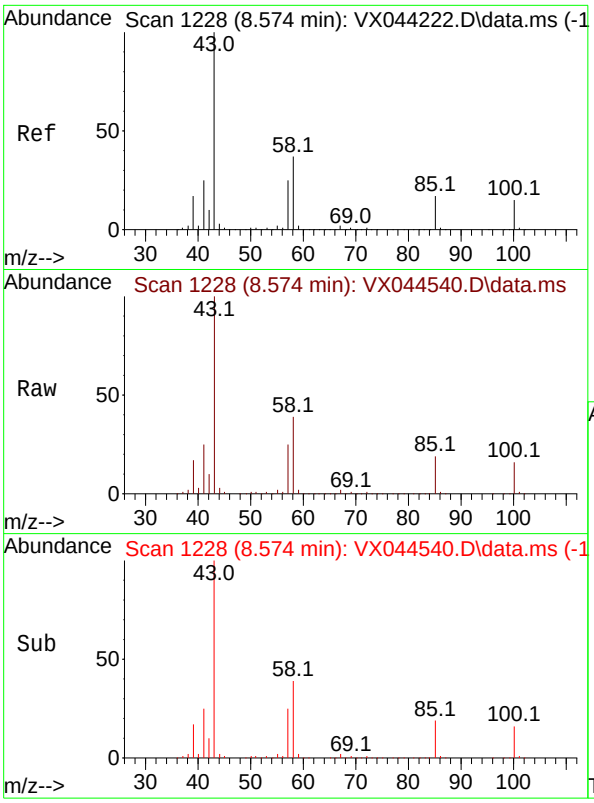


#50
Toluene-d8
Concen: 49.293 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 98 Resp: 257484

Ion	Ratio	Lower	Upper
98	100		
100	66.7	51.5	77.3





#51
4-Methyl-2-Pentanone
Concen: 250.388 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 43 Resp: 62253

Ion	Ratio	Lower	Upper
43	100		
58	37.7	29.4	44.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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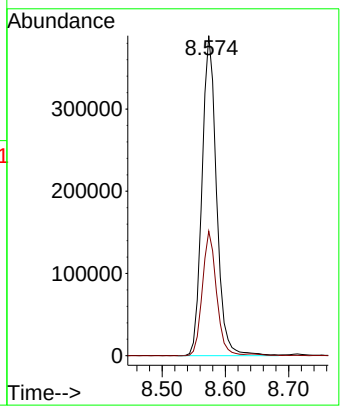
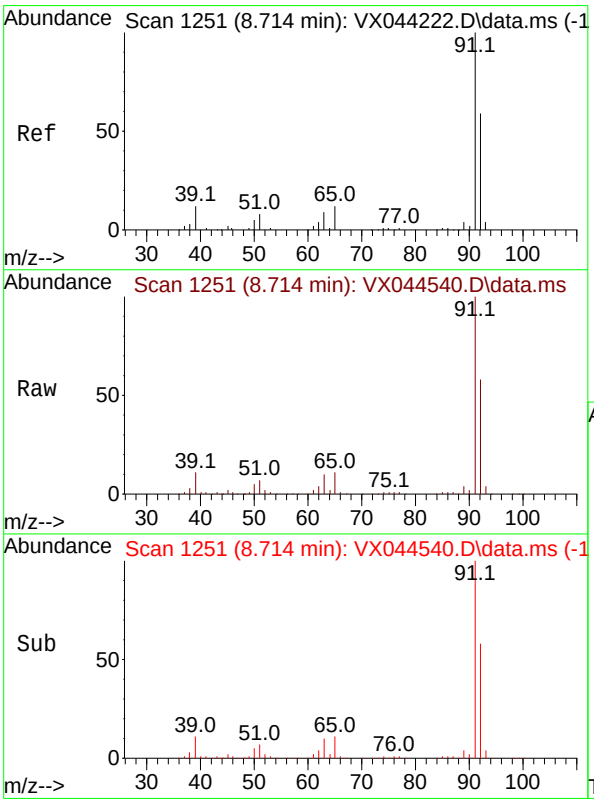
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

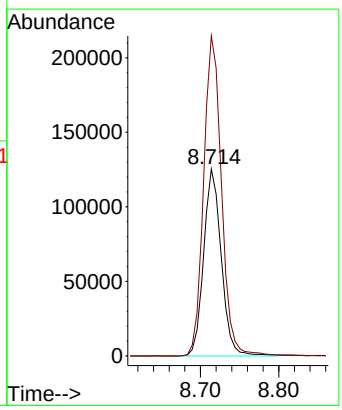


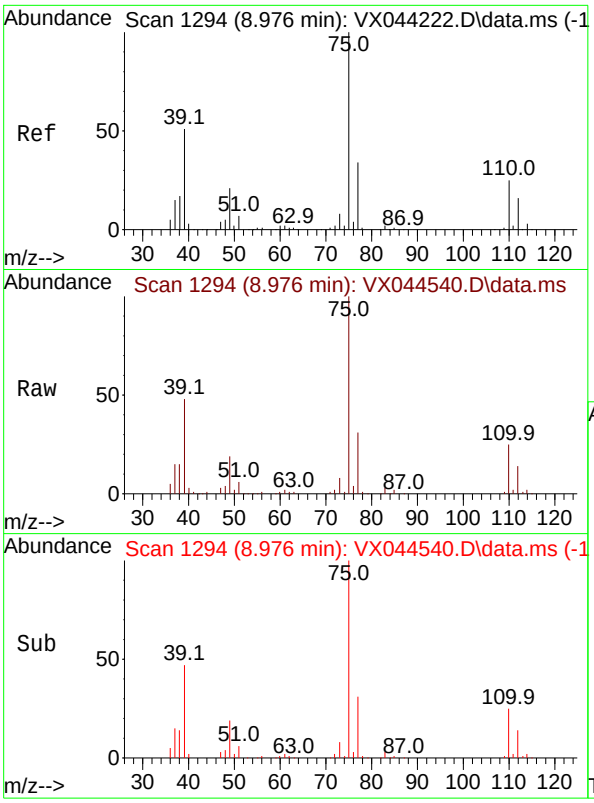


#52
Toluene
Concen: 51.274 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 92 Resp: 195660

Ion	Ratio	Lower	Upper
92	100		
91	174.4	137.0	205.6





#53
t-1,3-Dichloropropene
Concen: 48.988 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 75 Resp: 10921

Ion	Ratio	Lower	Upper
75	100		
77	30.8	27.2	40.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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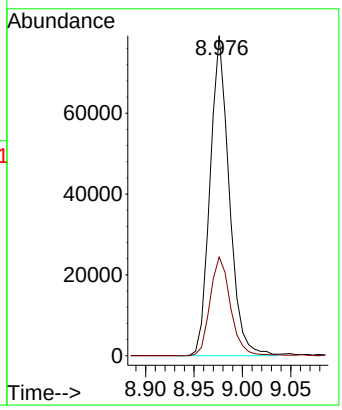
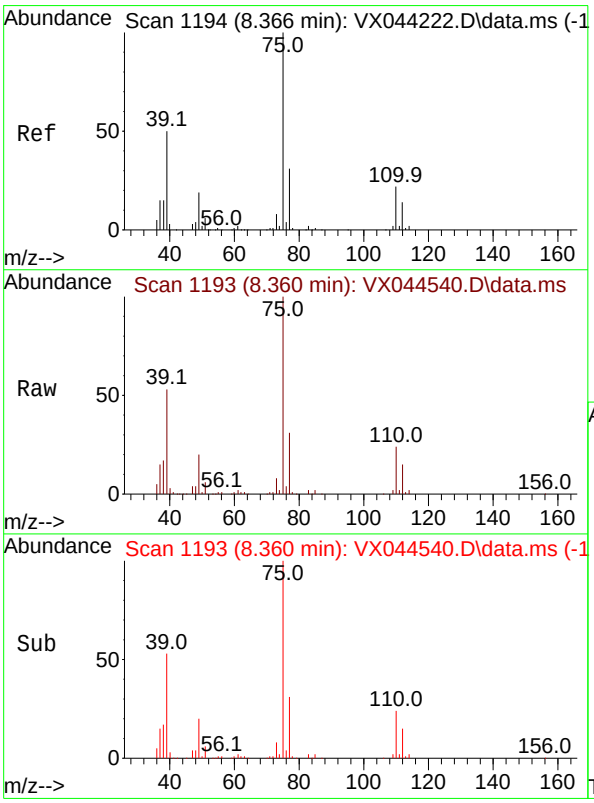
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

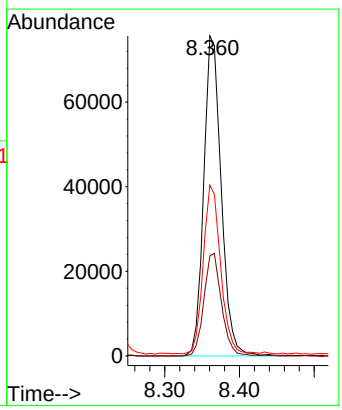


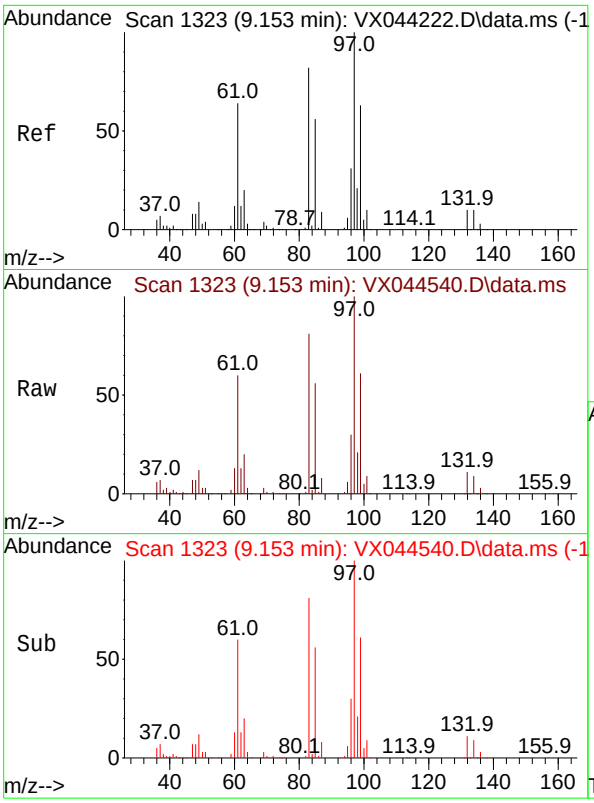


#54
cis-1,3-Dichloropropene
Concen: 54.223 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 75 Resp: 122807

Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.7	37.1
39	52.7	40.3	60.5





#55
1,1,2-Trichloroethane
Concen: 53.821 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 8159

Ion	Ratio	Lower	Upper
97	100		
83	80.9	65.3	97.9
85	56.1	44.6	67.0
99	60.8	50.2	75.2

Manual Integrations
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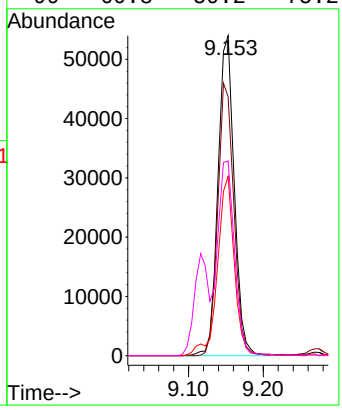
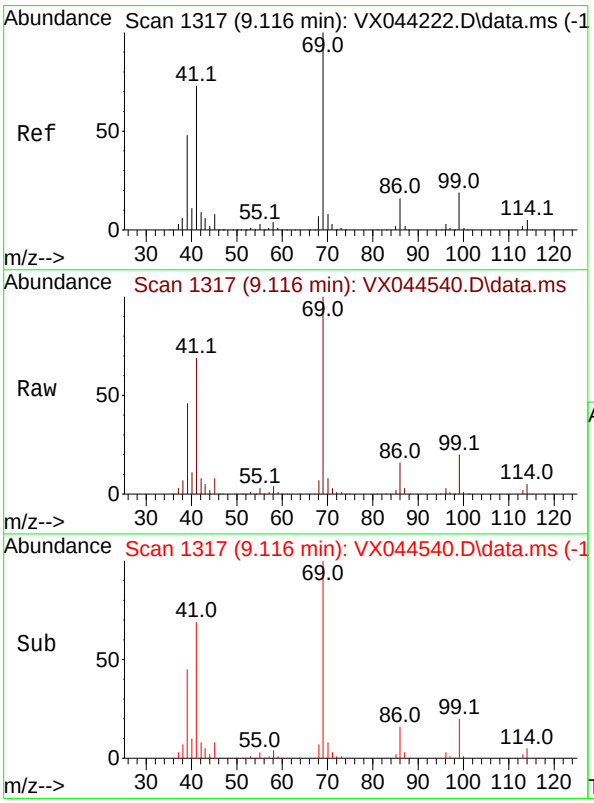
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

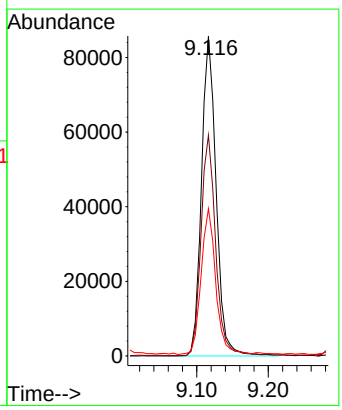


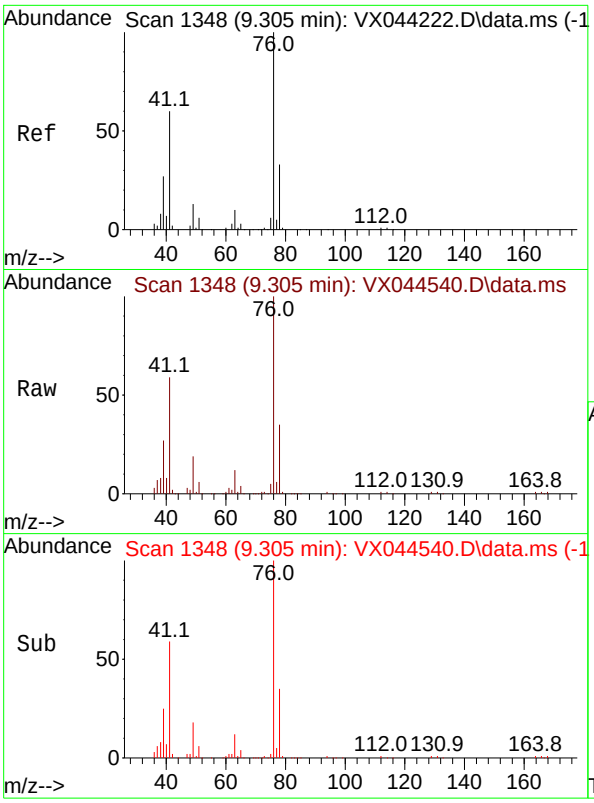


#56
Ethyl methacrylate
Concen: 51.019 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 69 Resp: 122100

Ion	Ratio	Lower	Upper
69	100		
41	69.4	56.6	85.0
39	45.4	37.4	56.0





#57
1,3-Dichloropropane
Concen: 51.116 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 76 Resp: 134878

Ion	Ratio	Lower	Upper
76	100		
78	33.3	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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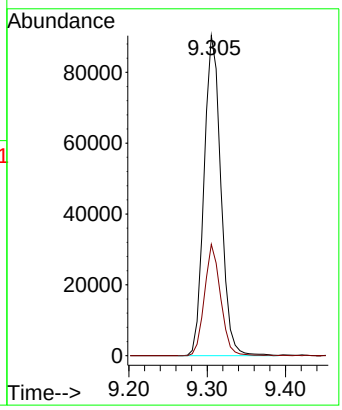
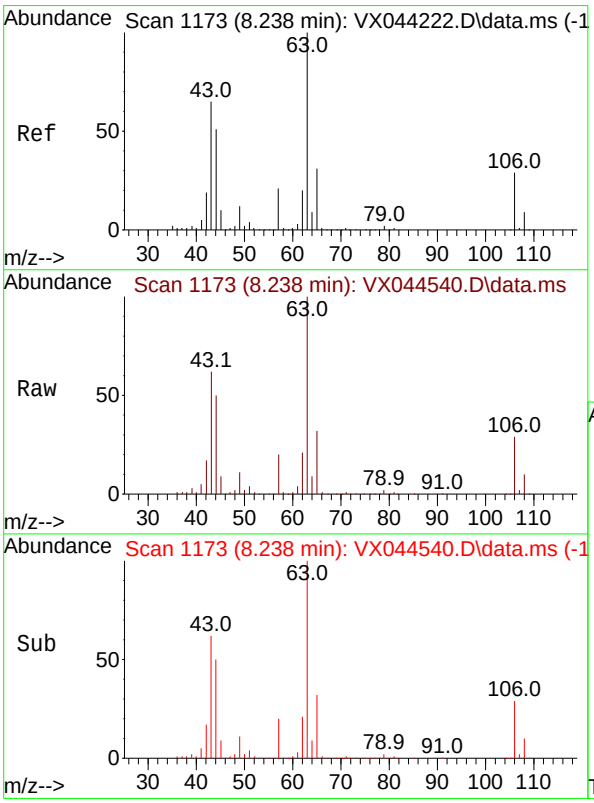
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

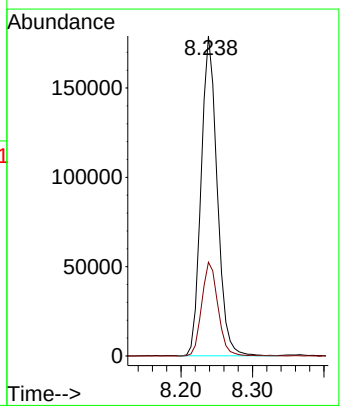


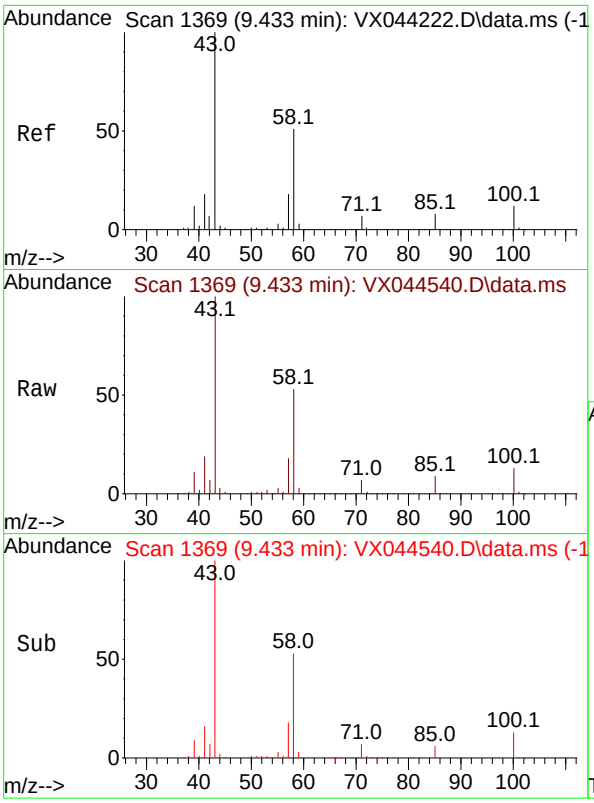


#58
2-Chloroethyl Vinyl ether
Concen: 231.727 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 63 Resp: 279710

Ion	Ratio	Lower	Upper
63	100		
106	29.6	22.8	34.2





#59
2-Hexanone
Concen: 253.490 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 43 Resp: 45618

Ion	Ratio	Lower	Upper
43	100		
58	53.2	25.7	77.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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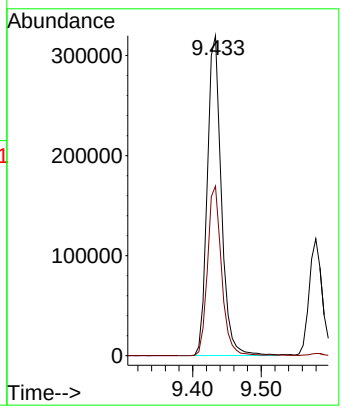
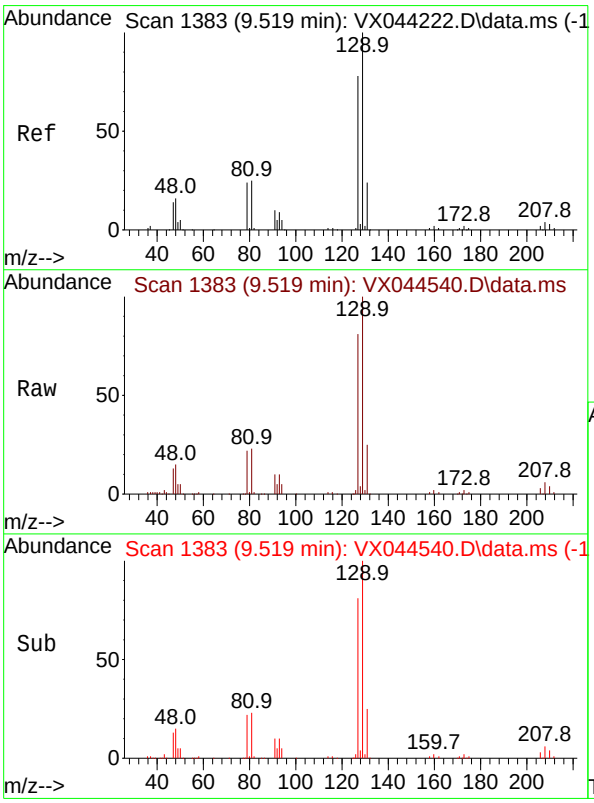
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

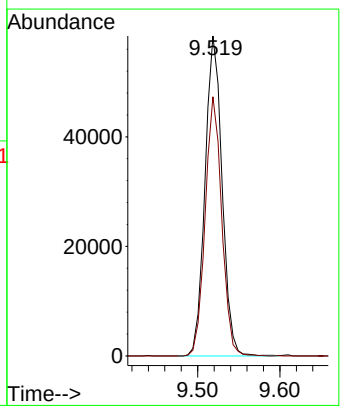


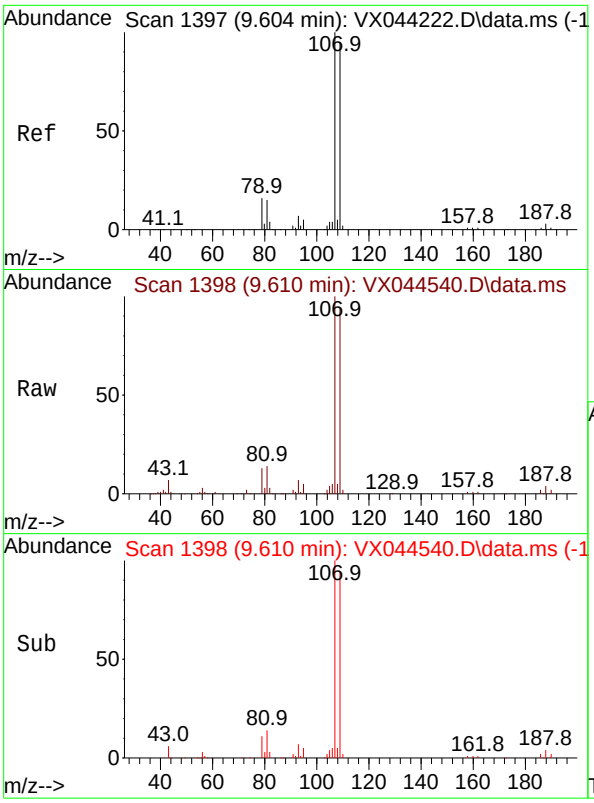


#60
Dibromochloromethane
Concen: 52.230 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:129 Resp: 84109

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.5	115.3





#61
1,2-Dibromoethane
Concen: 56.057 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:107 Resp: 8650

Ion	Ratio	Lower	Upper
107	100		
109	92.3	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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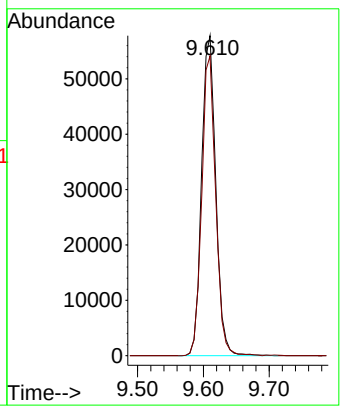
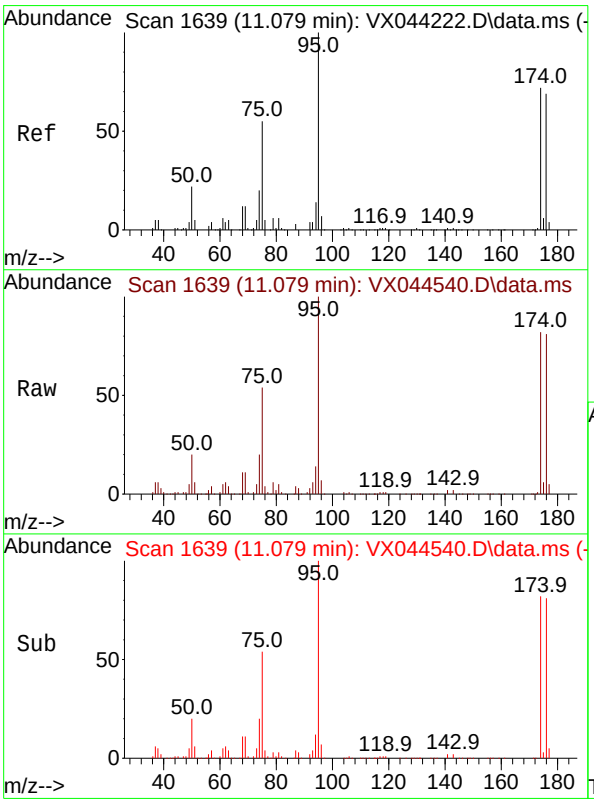
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

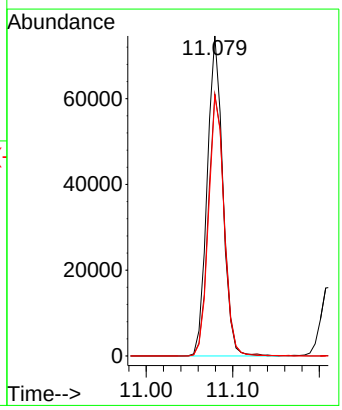


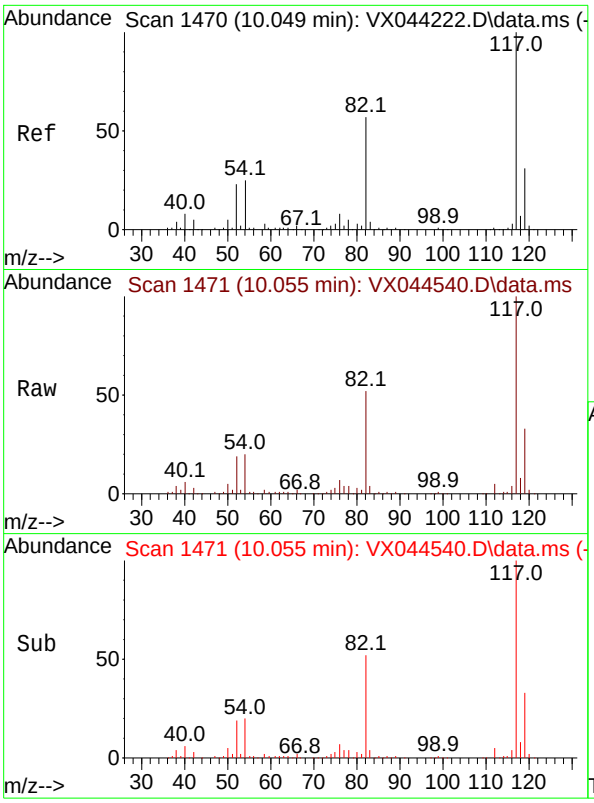


#62
4-Bromofluorobenzene
Concen: 50.906 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 95 Resp: 92916

Ion	Ratio	Lower	Upper
95	100		
174	83.8	0.0	145.8
176	81.1	0.0	137.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 19582

Ion	Ratio	Lower	Upper
117	100		
82	51.9	45.8	68.8
119	33.4	25.0	37.4

Manual Integrations
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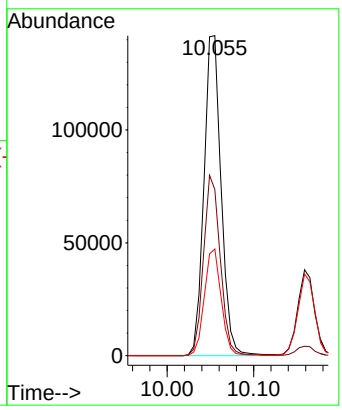
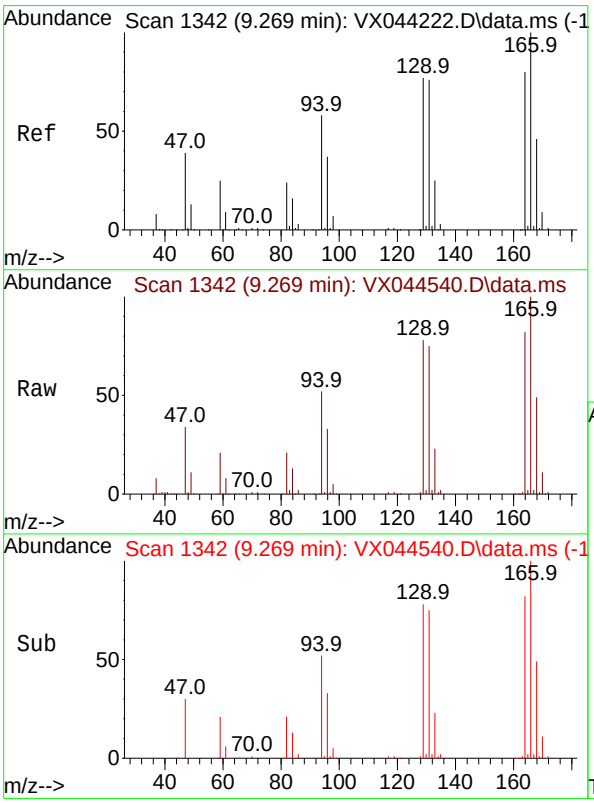
Supervised By :Mahesh Dadoda 12/31/2024

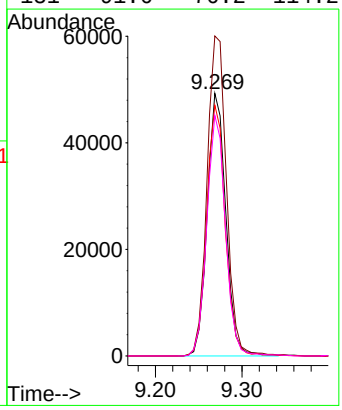


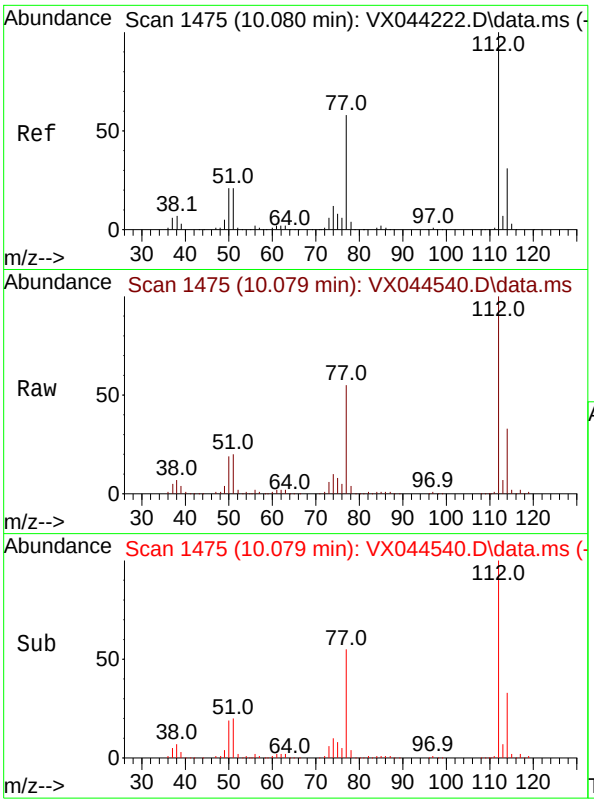


#64
Tetrachloroethene
Concen: 56.524 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:164 Resp: 73466

Ion	Ratio	Lower	Upper
164	100		
166	121.9	100.4	150.6
129	95.5	77.2	115.8
131	91.6	76.2	114.2





#65
Chlorobenzene
Concen: 53.076 ug/l
RT: 10.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:112 Resp: 22271

Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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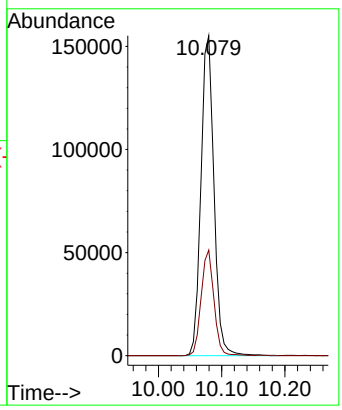
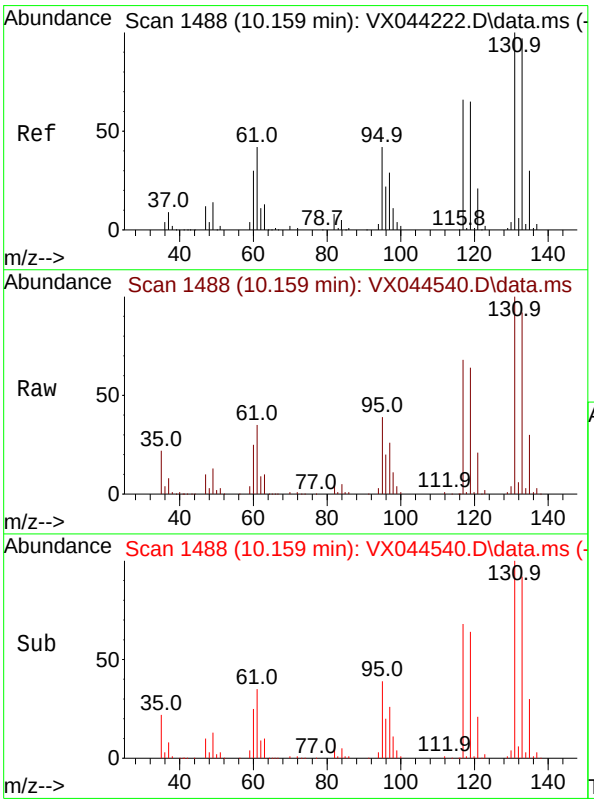
Supervised By :Mahesh Dadoda 12/31/2024

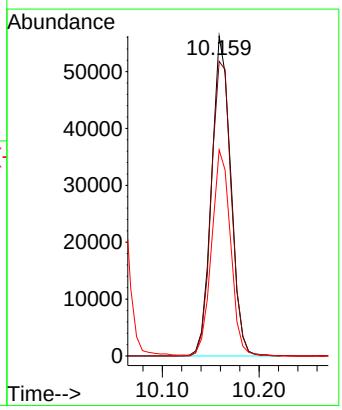


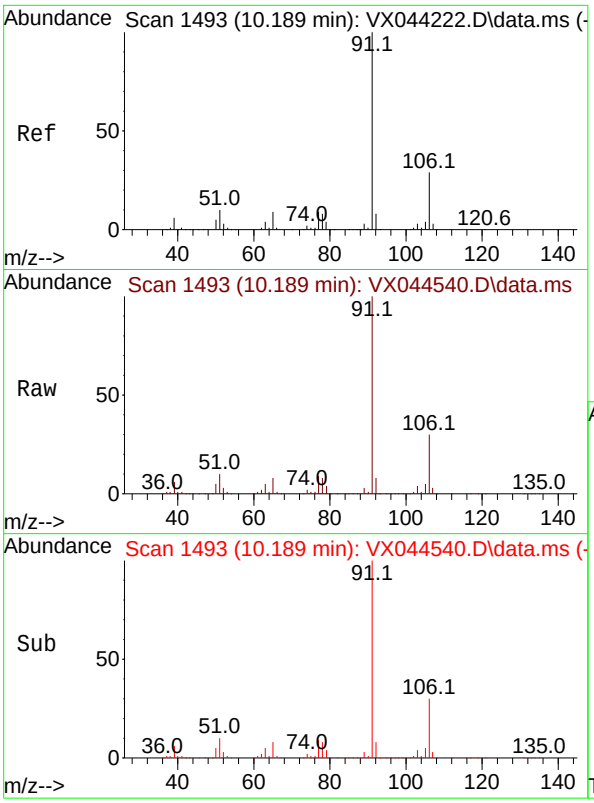


#66
1,1,1,2-Tetrachloroethane
Concen: 57.314 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:131 Resp: 77293

Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.3	141.8
119	63.8	31.6	95.0





#67
Ethyl Benzene
Concen: 52.655 ug/l
RT: 10.189 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 91 Resp: 38176

Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.5	35.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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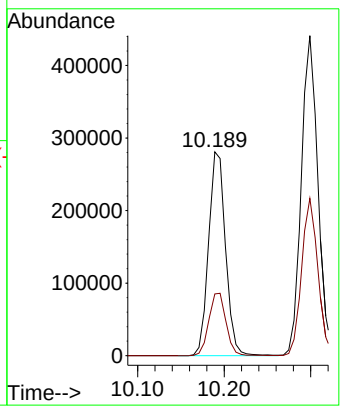
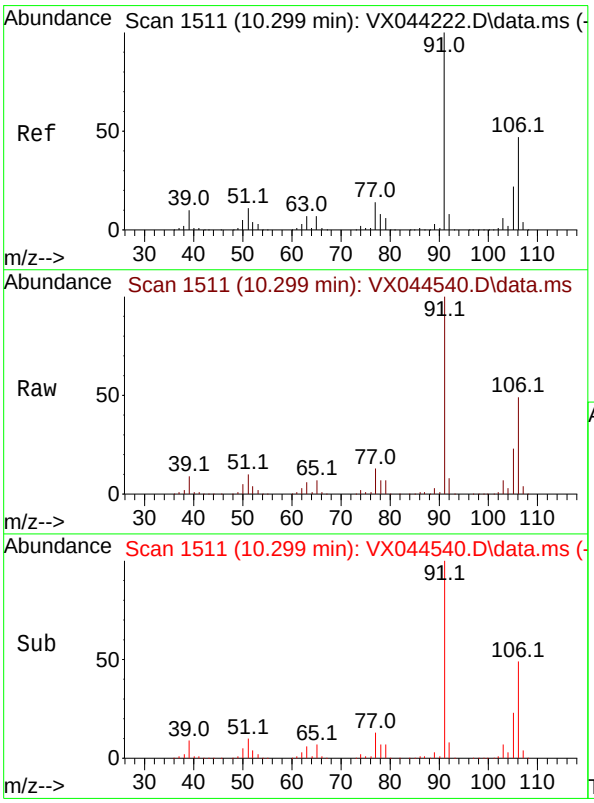
Supervised By :Mahesh Dadoda 12/31/2024

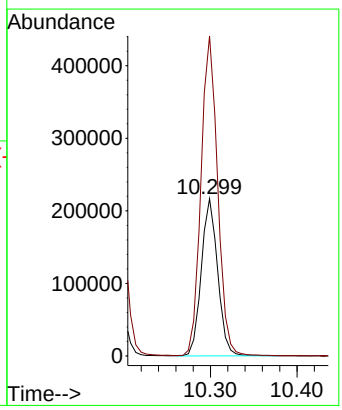


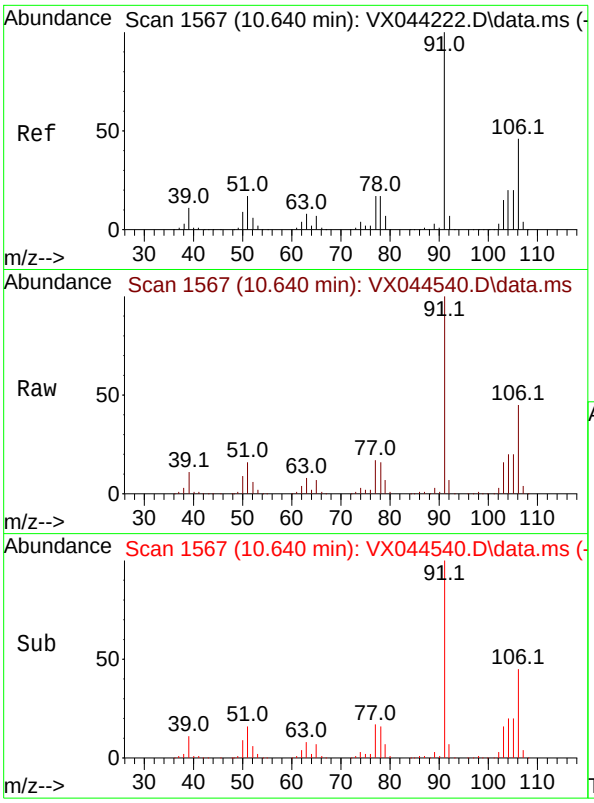


#68
m/p-Xylenes
Concen: 106.627 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:106 Resp: 283669

Ion	Ratio	Lower	Upper
106	100		
91	208.0	170.2	255.2





#69
o-Xylene
Concen: 53.072 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:106 Resp: 14285

Ion	Ratio	Lower	Upper
106	100		
91	215.5	112.3	337.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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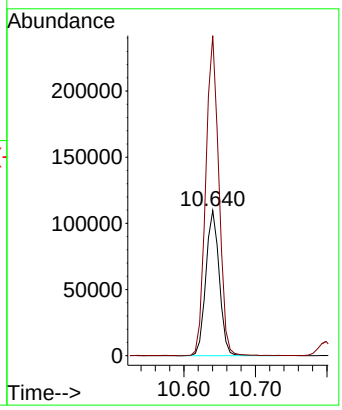
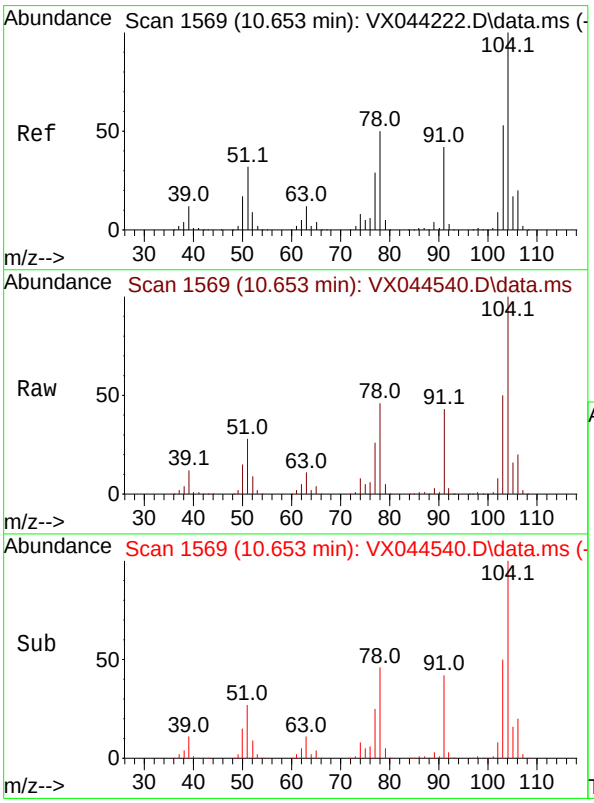
Supervised By :Mahesh Dadoda 12/31/2024

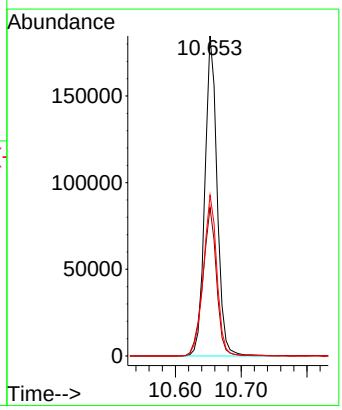


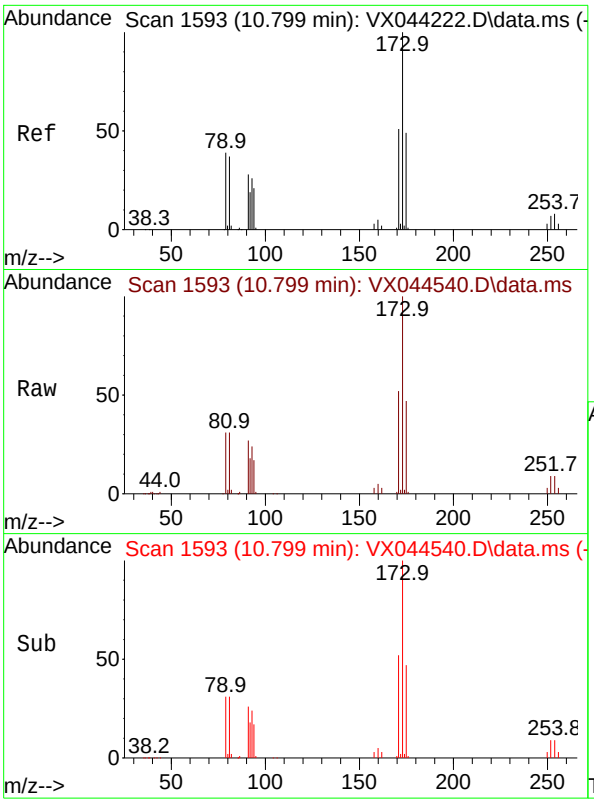


#70
Styrene
Concen: 55.603 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:104 Resp: 239936

Ion	Ratio	Lower	Upper
104	100		
78	51.7	44.6	67.0
103	55.6	45.4	68.0





#71
Bromoform
Concen: 56.136 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 5374

Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
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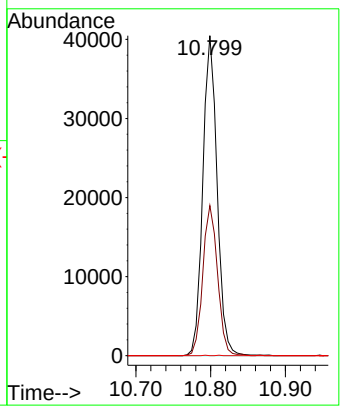
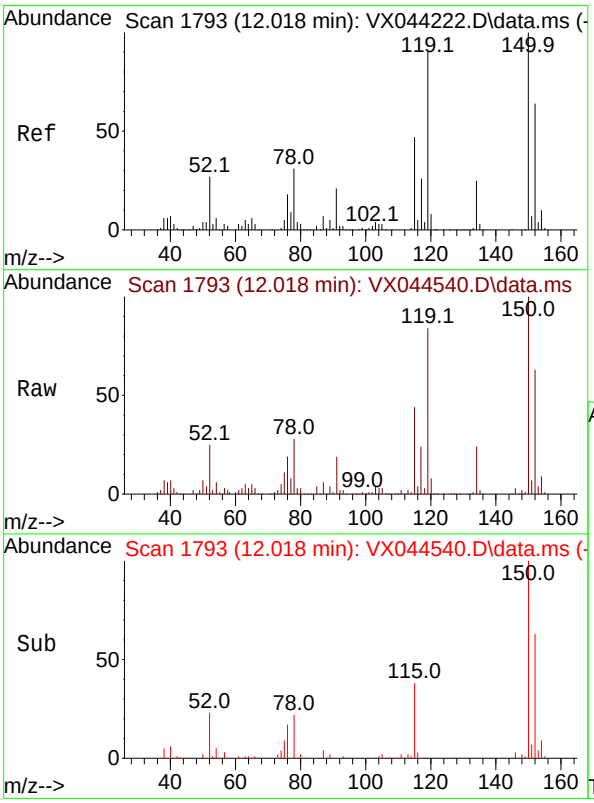
Supervised By :Mahesh Dadoda 12/31/2024

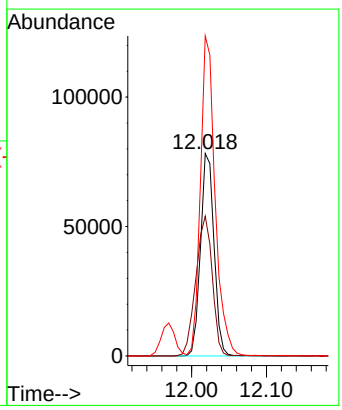


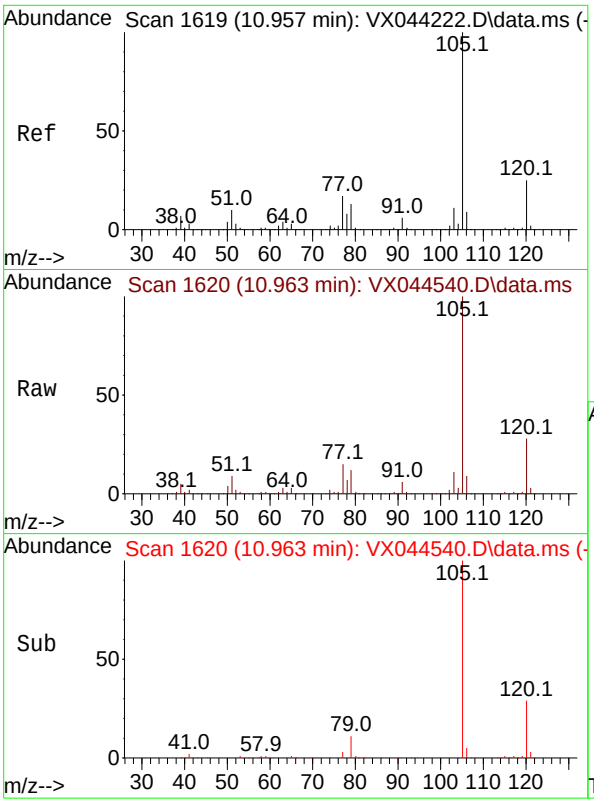


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:152 Resp: 98470

Ion	Ratio	Lower	Upper
152	100		
115	83.7	44.5	133.3
150	171.5	0.0	353.8





#73
Isopropylbenzene
Concen: 49.257 ug/l
RT: 10.963 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:105 Resp: 37131(

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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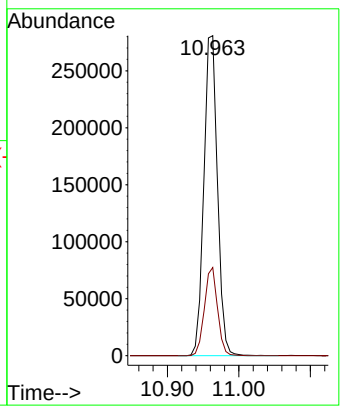
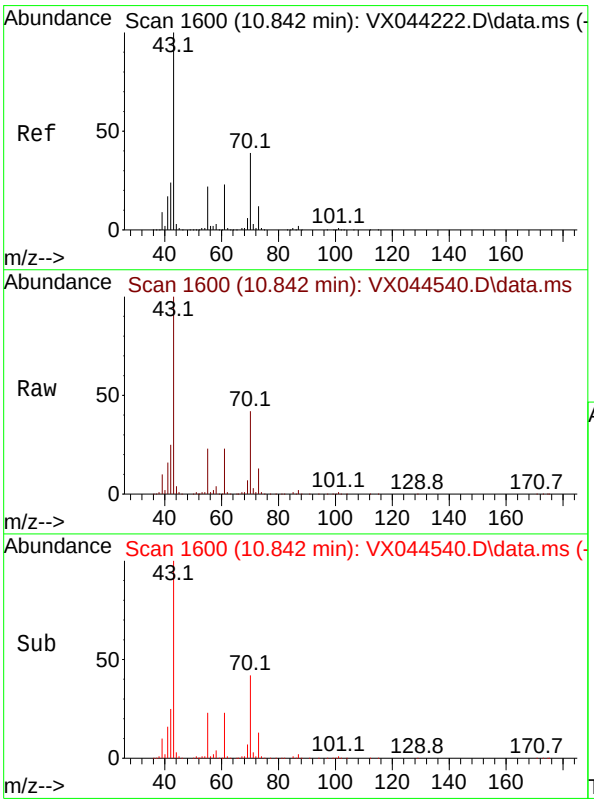
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

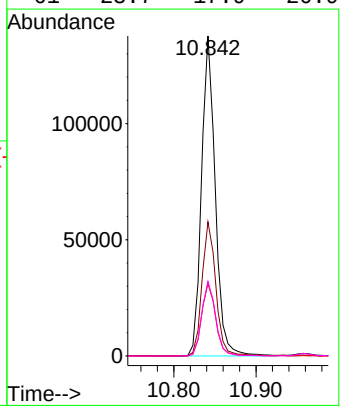


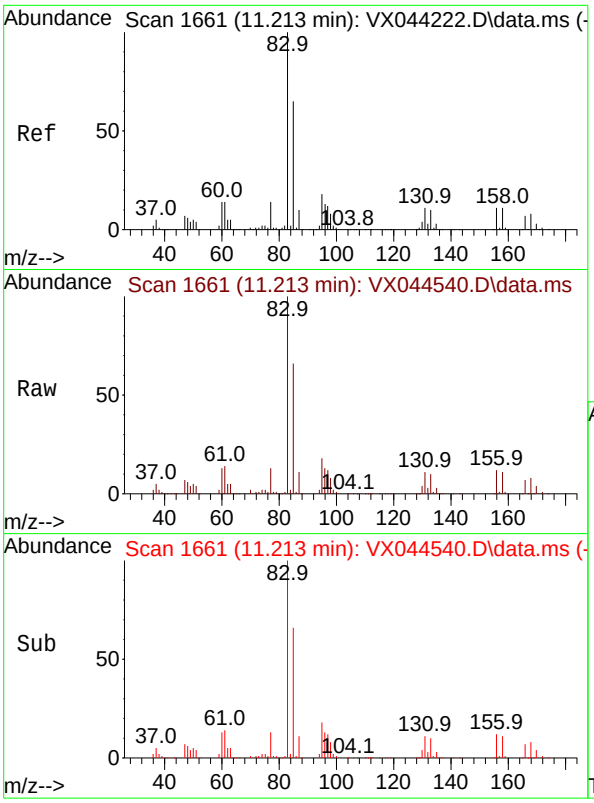


#74
N-amyl acetate
Concen: 45.915 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 43 Resp: 159962

Ion	Ratio	Lower	Upper
43	100		
70	42.3	31.9	47.9
55	23.3	17.9	26.9
61	23.7	17.9	26.9





#75
1,1,2,2-Tetrachloroethane
Concen: 46.872 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 12272

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.1	15.4
85	65.5	32.5	97.4

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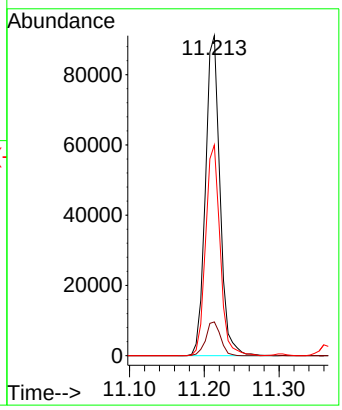
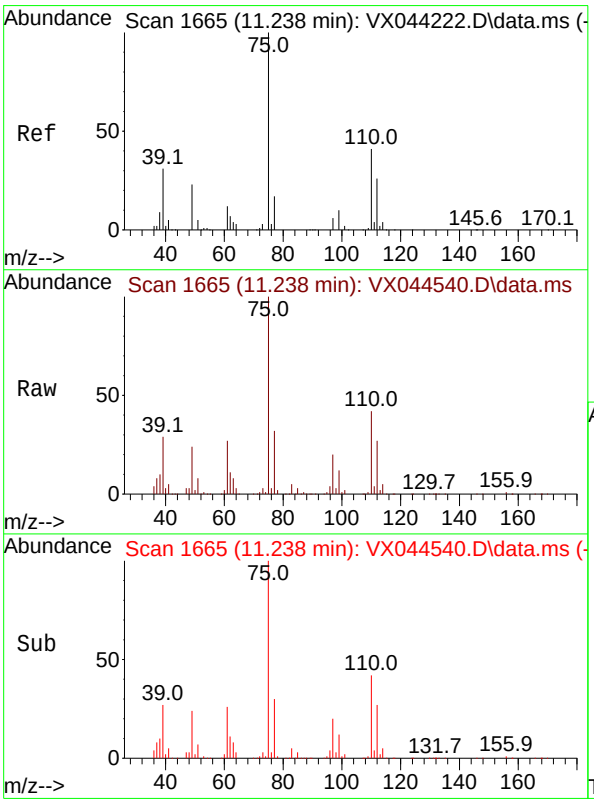
Supervised By :Mahesh Dadoda 12/31/2024

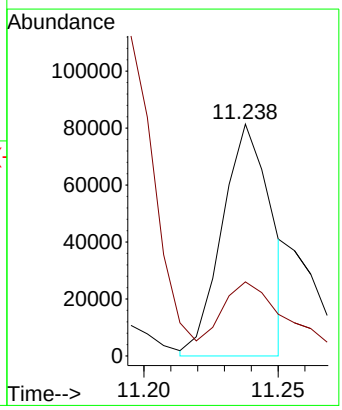


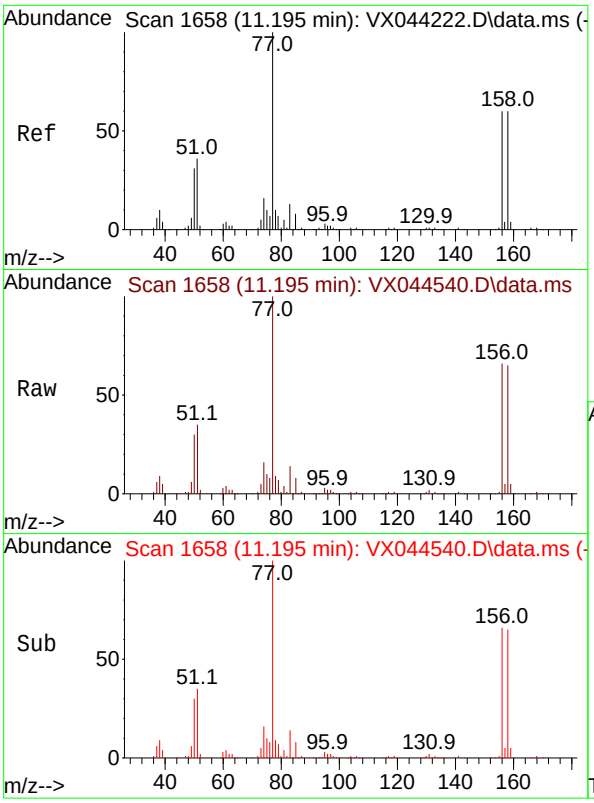


#76
1,2,3-Trichloropropane
Concen: 46.956 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 75 Resp: 103237

Ion	Ratio	Lower	Upper
75	100		
77	43.3	20.9	62.7





#77
Bromobenzene
Concen: 51.123 ug/l
RT: 11.195 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 9345

Ion	Ratio	Lower	Upper
156	100		
77	151.0	82.6	247.8
158	98.0	48.8	146.4

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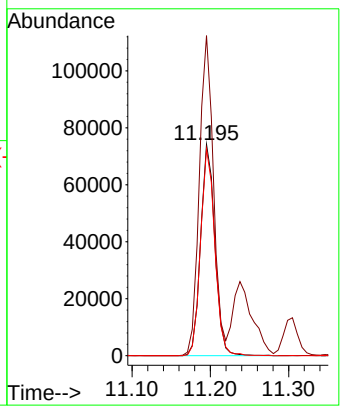
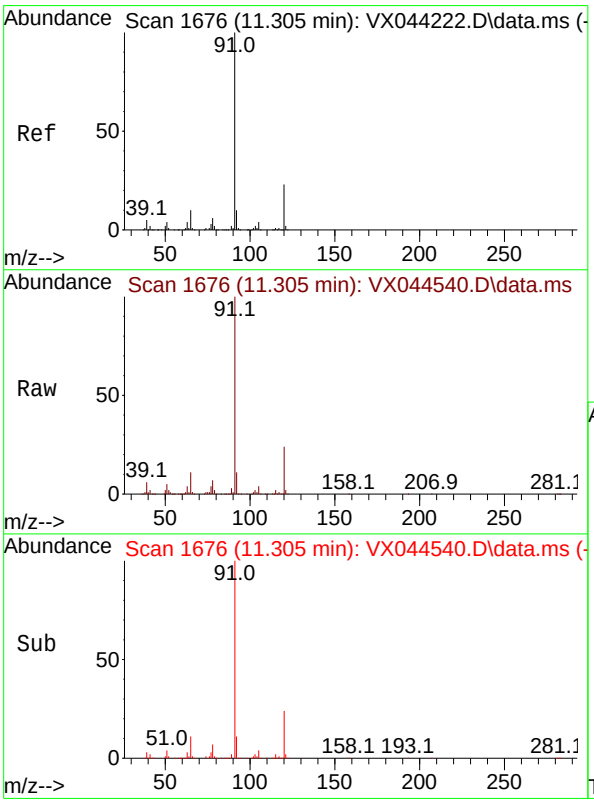
Supervised By :Mahesh Dadoda 12/31/2024

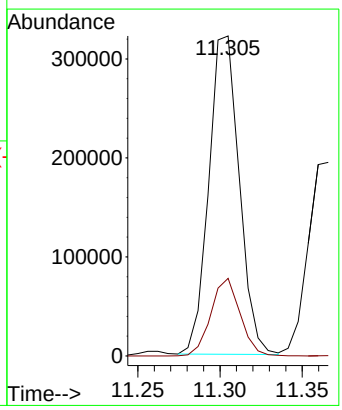


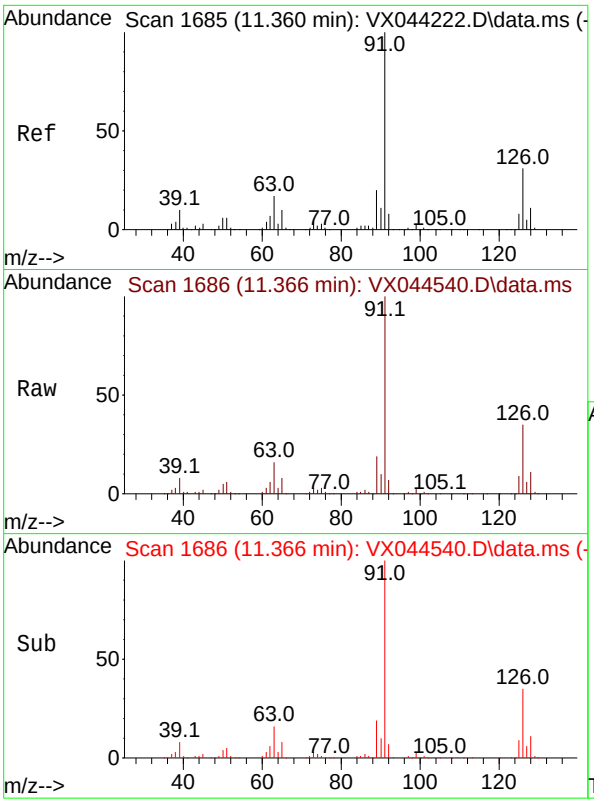


#78
n-propylbenzene
Concen: 49.746 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 91 Resp: 414470

Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.0	33.0





#79
2-Chlorotoluene
Concen: 47.028 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 91 Resp: 25340

Ion	Ratio	Lower	Upper
91	100		
126	35.5	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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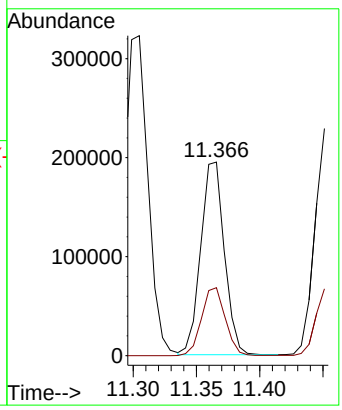
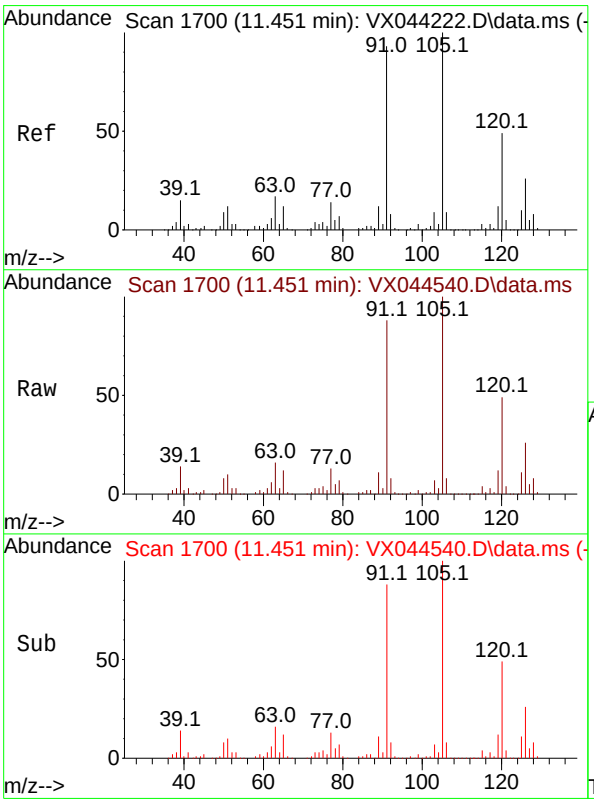
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

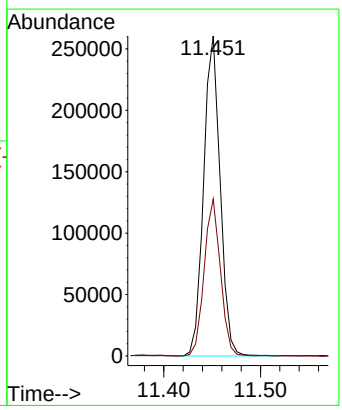


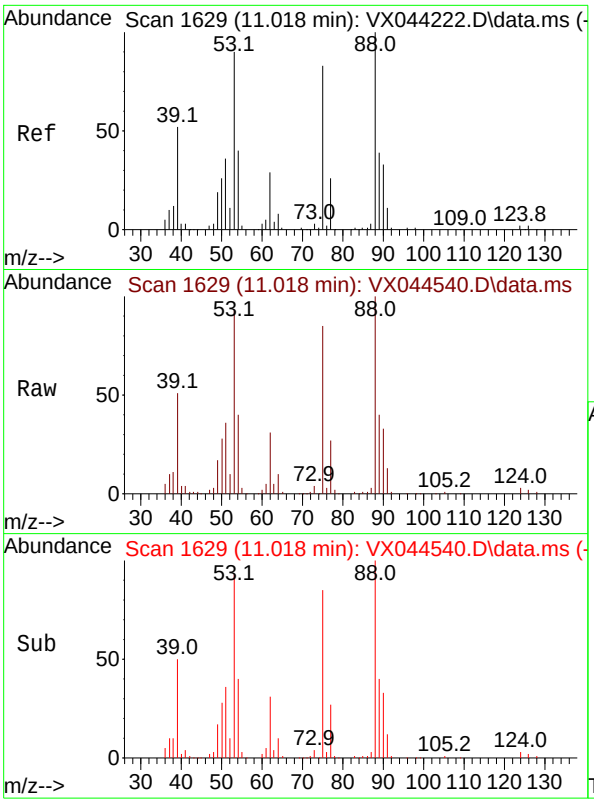


#80
1,3,5-Trimethylbenzene
Concen: 49.542 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:105 Resp: 309707

Ion	Ratio	Lower	Upper
105	100		
120	48.6	23.8	71.4





#81
trans-1,4-Dichloro-2-butene
Concen: 44.565 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

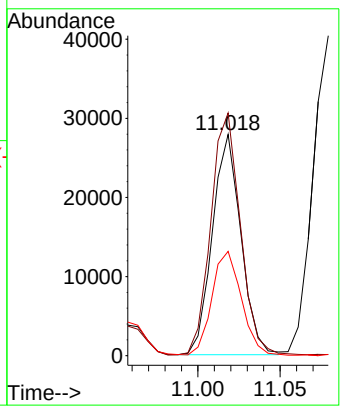
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

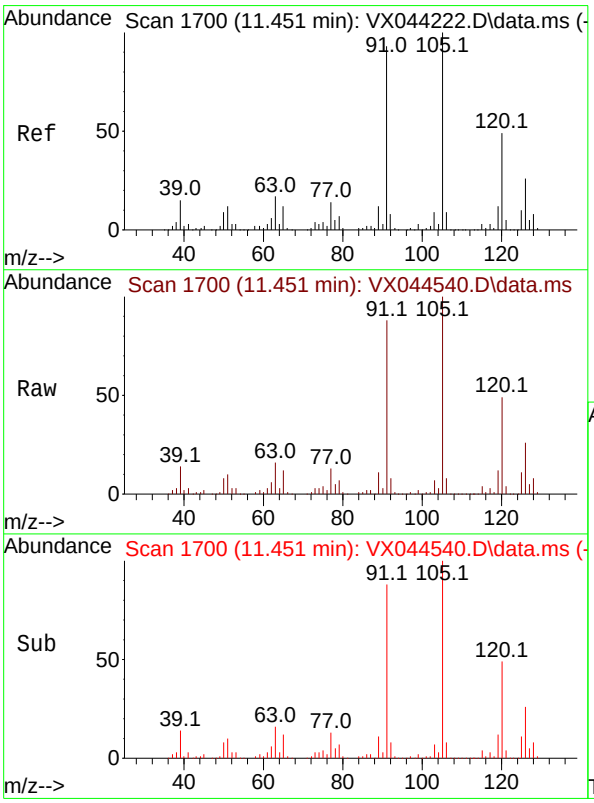
Tgt Ion: 75 Resp: 3366

Ion	Ratio	Lower	Upper
75	100		
53	115.2	93.6	140.4
89	48.6	37.3	55.9

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

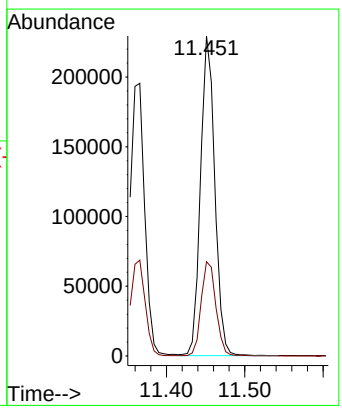


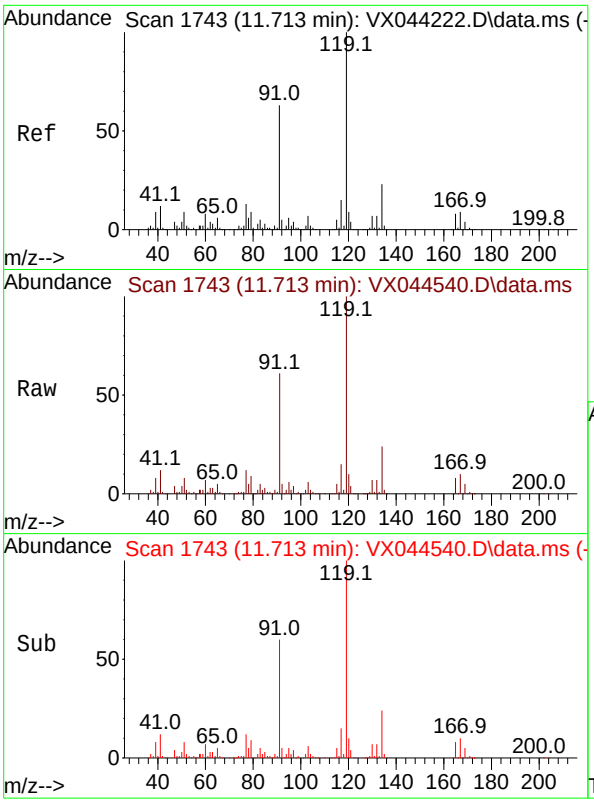


#82
4-Chlorotoluene
Concen: 48.495 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 91 Resp: 289361

Ion	Ratio	Lower	Upper
91	100		
126	30.5	14.5	43.5





#83
tert-Butylbenzene
Concen: 50.383 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

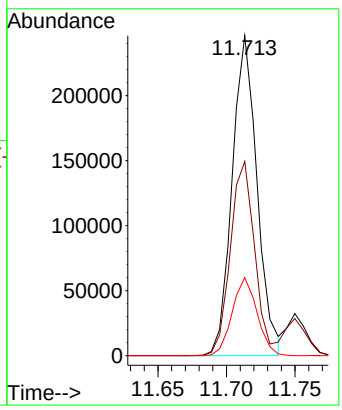
Tgt Ion:119 Resp: 31126

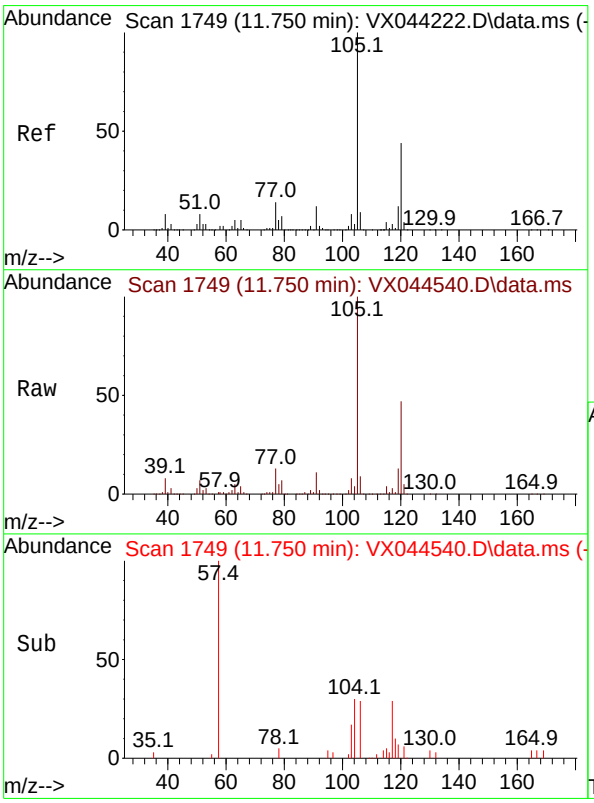
Ion	Ratio	Lower	Upper
119	100		
91	59.8	30.9	92.5
134	24.3	11.5	34.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

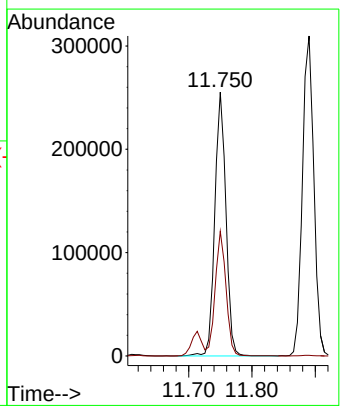


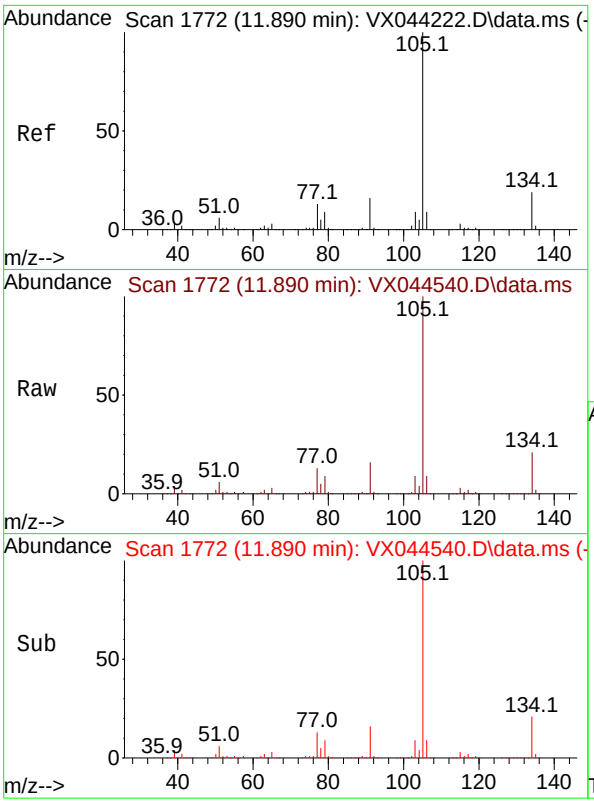


#84
1,2,4-Trimethylbenzene
Concen: 50.715 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:105 Resp: 311357

Ion	Ratio	Lower	Upper
105	100		
120	45.8	21.7	65.1





#85
sec-Butylbenzene
Concen: 51.464 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

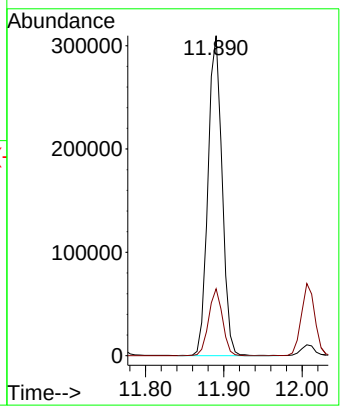
Tgt Ion:105 Resp: 38598

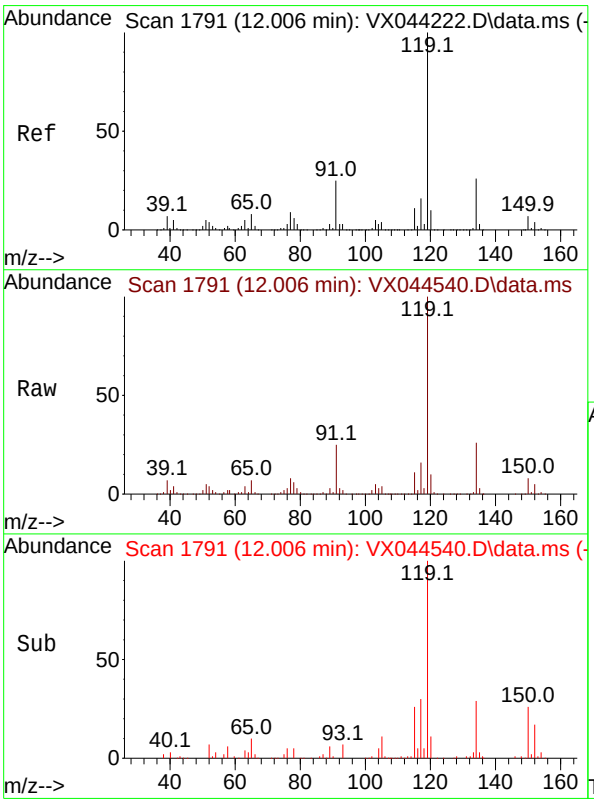
Ion	Ratio	Lower	Upper
105	100		
134	20.5	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

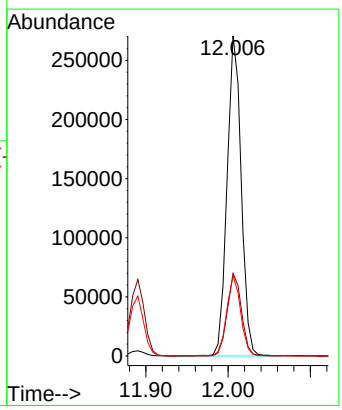


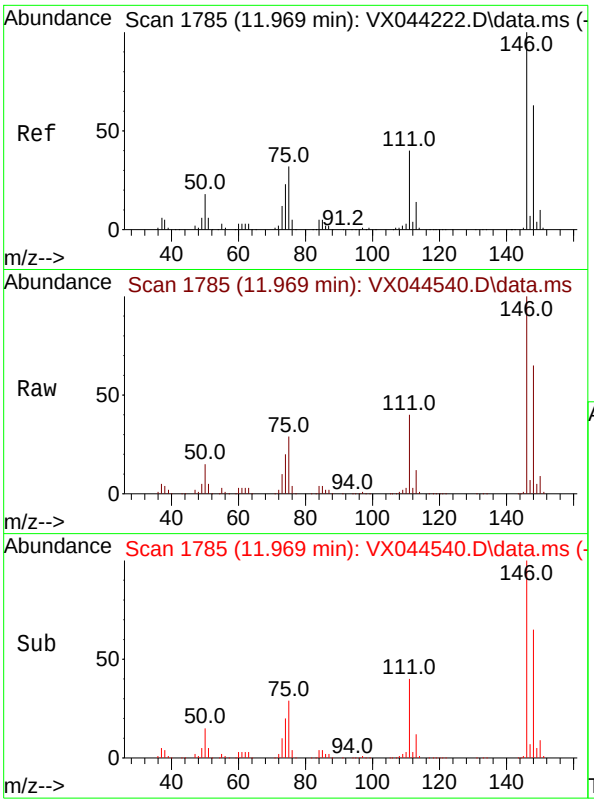


#86
p-Isopropyltoluene
Concen: 51.888 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:119 Resp: 323908

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.8	38.4
91	24.7	13.0	39.0





#87
1,3-Dichlorobenzene
Concen: 52.579 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

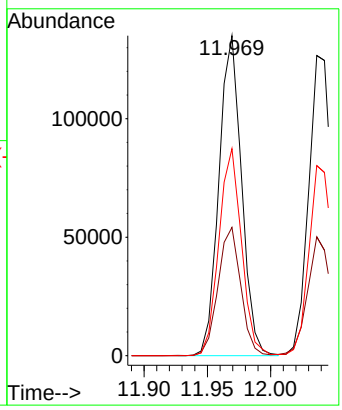
Tgt Ion:146 Resp: 16788

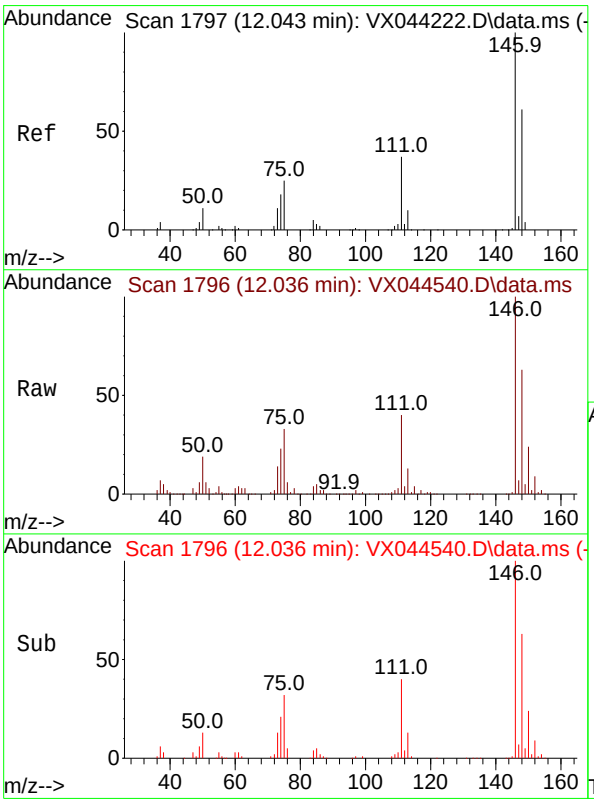
Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.4	64.2
148	64.7	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

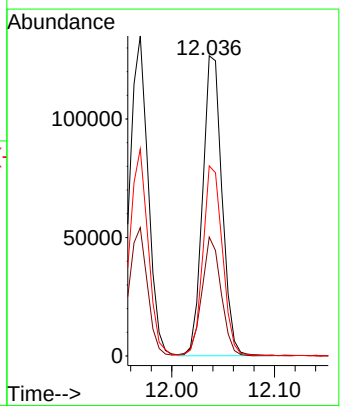


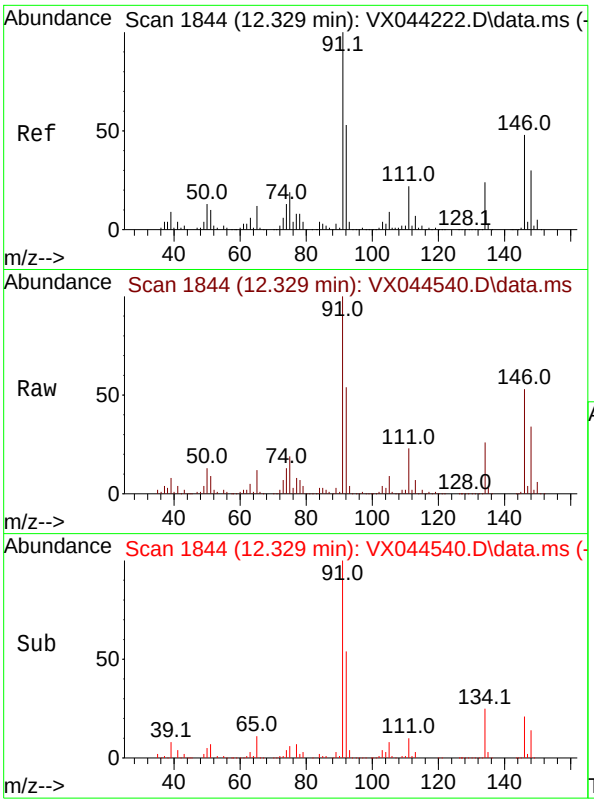


#88
1,4-Dichlorobenzene
Concen: 50.610 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:146 Resp: 166124

Ion	Ratio	Lower	Upper
146	100		
111	39.3	21.0	63.0
148	64.0	32.3	96.8





#89
n-Butylbenzene
Concen: 52.164 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

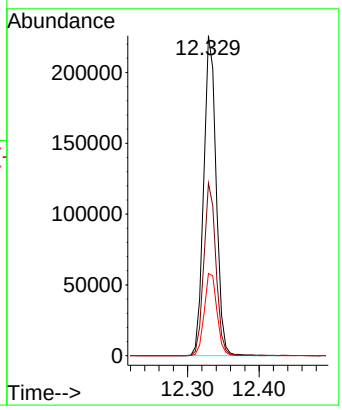
Tgt Ion: 91 Resp: 27381

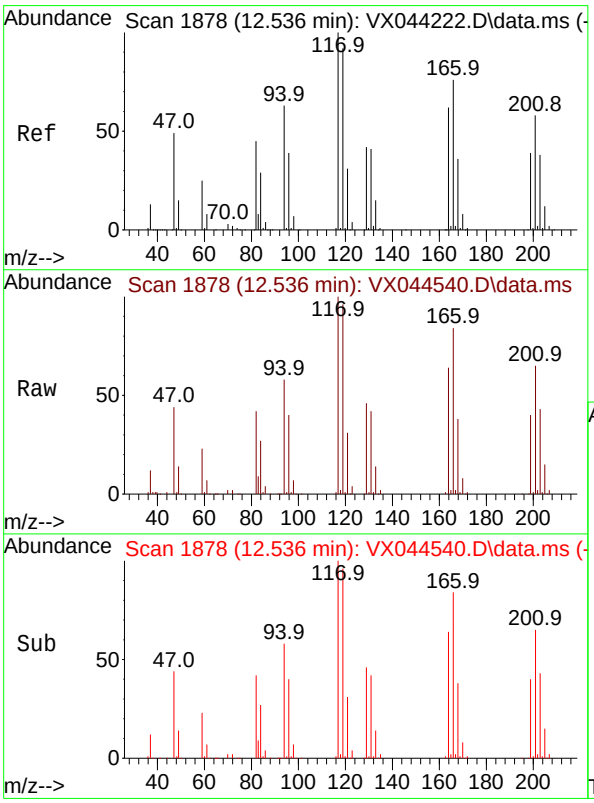
Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.6	79.7
134	26.3	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

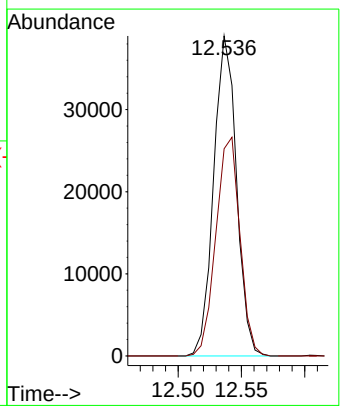


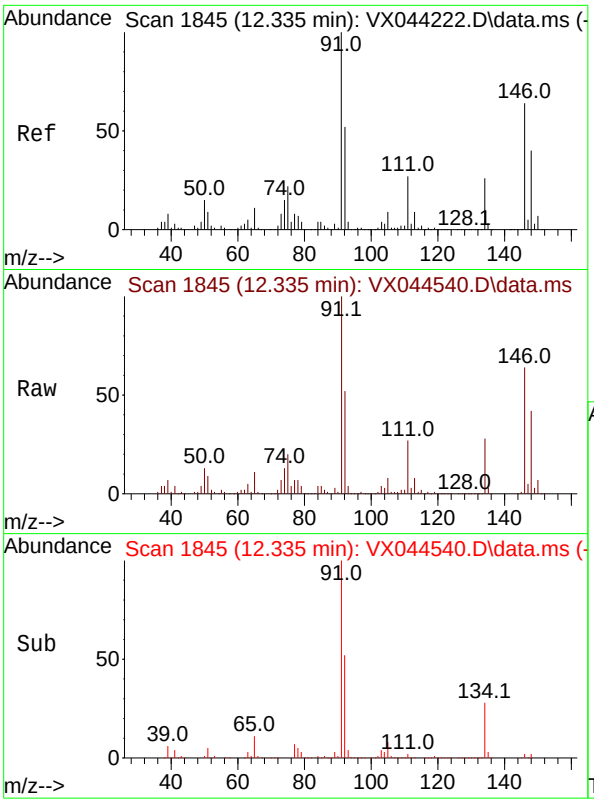


#90
Hexachloroethane
Concen: 53.517 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:117 Resp: 48767

Ion	Ratio	Lower	Upper
117	100		
201	72.1	31.4	94.2





#91
1,2-Dichlorobenzene
Concen: 51.202 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

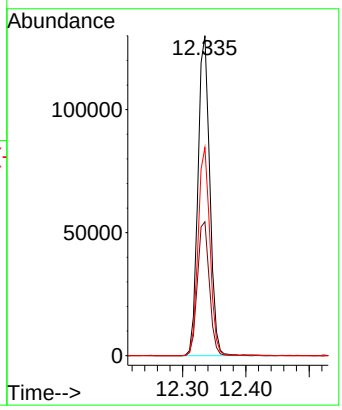
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

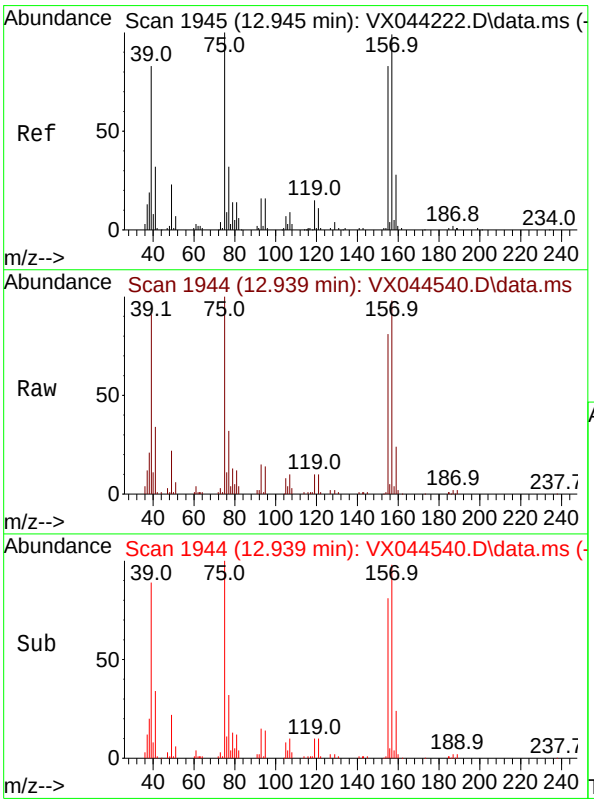
Tgt Ion:146 Resp: 16975

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.4	64.3
148	65.0	31.6	95.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

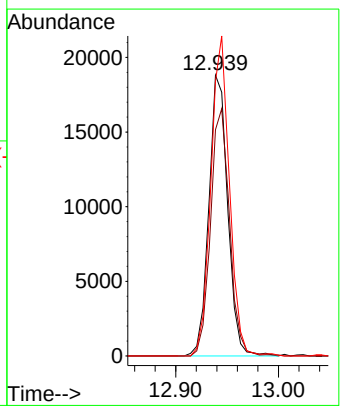


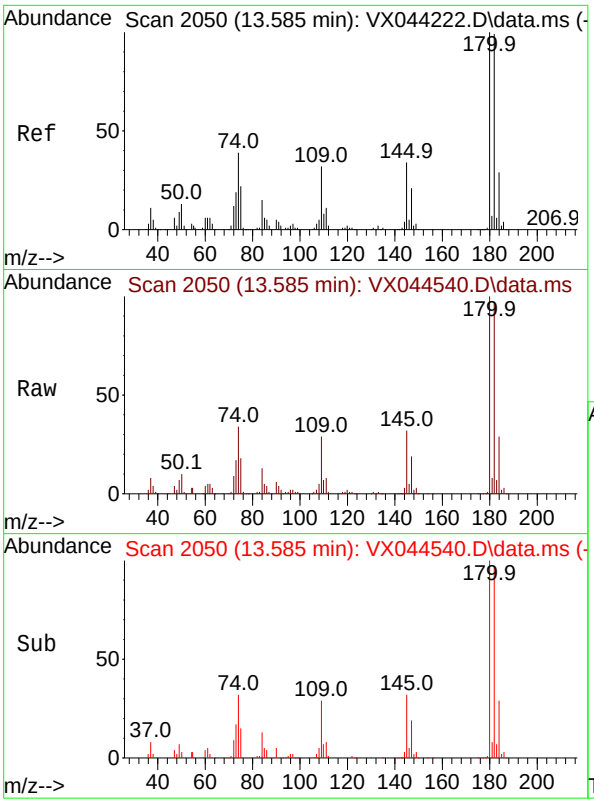


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.105 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 75 Resp: 23942

Ion	Ratio	Lower	Upper
75	100		
155	88.7	38.1	114.3
157	112.3	47.2	141.6





#93
1,2,4-Trichlorobenzene
Concen: 56.806 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

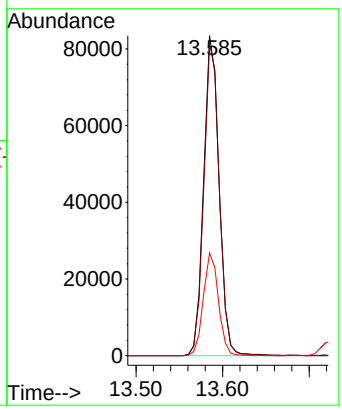
Tgt Ion:180 Resp: 10325

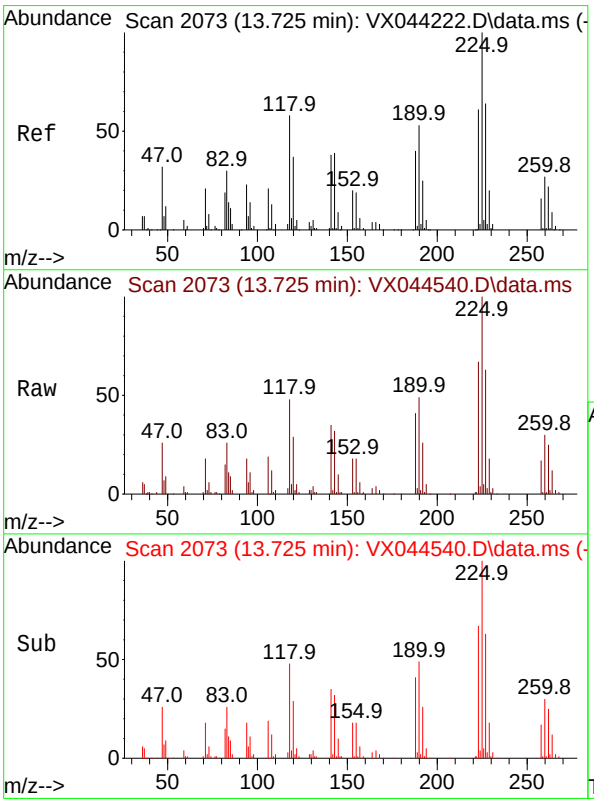
Ion	Ratio	Lower	Upper
180	100		
182	98.2	48.0	144.2
145	31.7	16.6	49.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

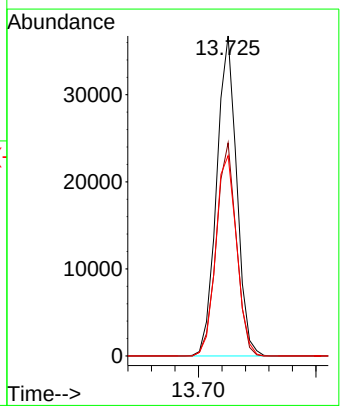


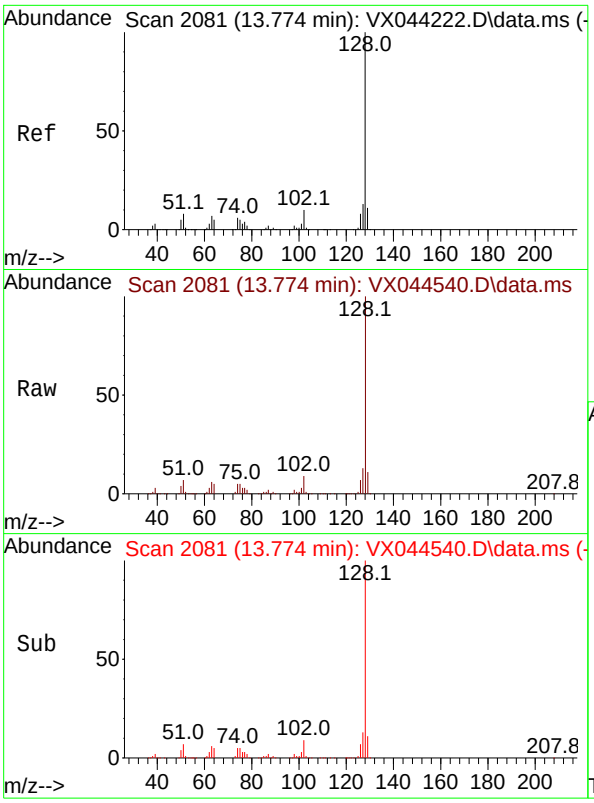


#94
Hexachlorobutadiene
Concen: 59.595 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:225 Resp: 43572

Ion	Ratio	Lower	Upper
225	100		
223	66.1	30.8	92.4
227	65.4	32.1	96.3





#95
Naphthalene
Concen: 51.070 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

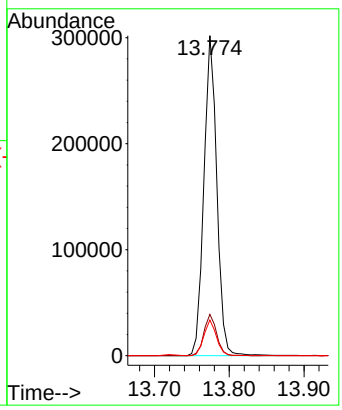
Tgt Ion:128 Resp: 36234

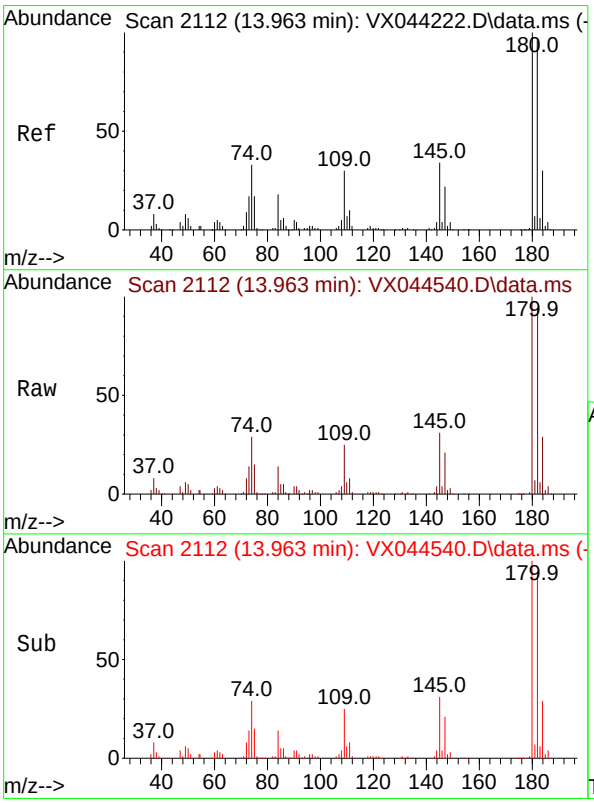
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.9	9.0	13.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

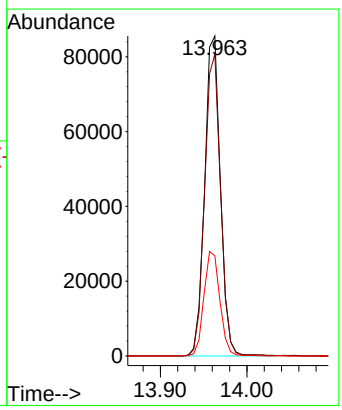




#96
1,2,3-Trichlorobenzene
Concen: 56.081 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:180 Resp: 108119

Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.0	144.0
145	33.1	17.7	53.1



Evaluate Continuing Calibration Report

Sample Results: **VX044540.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	110	0.00
2	T	Dichlorodifluoromethane	0.773	0.704	8.9	98	0.00
3	P	Chloromethane	0.739	0.649	12.2	94	0.00
4	C	Vinyl Chloride	0.770	0.670	13.0#	94	0.00
5	T	Bromomethane	0.546	0.451	17.4	90	0.00
6	T	Chloroethane	0.480	0.420	12.5	87	0.00
7	T	Trichlorofluoromethane	1.508	1.226	18.7	87	0.00
8	T	Diethyl Ether	0.515	0.472	8.3	101	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.610	0.602	1.3	107	0.00
10	T	Methyl Iodide	0.804	0.802	0.2	104	0.00
11	T	Tert butyl alcohol	0.124	0.101	18.5	92	0.00
12	CM	1,1-Dichloroethene	0.560	0.547	2.3#	101	0.00
13	T	Acrolein	0.179	0.102	43.0#	61	0.00
14	T	Allyl chloride	0.933	0.839	10.1	91	0.00
15	T	Acrylonitrile	0.342	0.319	6.7	98	0.00
16	T	Acetone	0.357	0.291	18.5	84	0.00
17	T	Carbon Disulfide	1.065	0.968	9.1	92	0.00
18	T	Methyl Acetate	0.922	0.858	6.9	99	0.00
19	T	Methyl tert-butyl Ether	2.187	1.898	13.2	90	0.00
20	T	Methylene Chloride	0.671	0.609	9.2	97	0.00
21	T	trans-1,2-Dichloroethene	0.596	0.541	9.2	96	0.00
22	T	Diisopropyl ether	2.102	1.821	13.4	92	0.00
23	T	Vinyl Acetate	1.709	1.574	7.9	90	0.00
24	P	1,1-Dichloroethane	1.172	1.067	9.0	94	0.00
25	T	2-Butanone	0.508	0.441	13.2	88	0.00
26	T	2,2-Dichloropropane	0.952	0.888	6.7	93	0.00
27	T	cis-1,2-Dichloroethene	0.756	0.696	7.9	99	0.00
28	T	Bromochloromethane	0.575	0.491	14.6	91	0.00
29	T	Tetrahydrofuran	0.326	0.284	12.9	92	0.00
30	C	Chloroform	1.316	1.161	11.8#	95	0.00
31	T	Cyclohexane	0.946	0.837	11.5	94	0.00
32	T	1,1,1-Trichloroethane	1.093	1.013	7.3	95	0.00
33	S	1,2-Dichloroethane-d4	0.877	0.712	18.8	85	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
35	S	Dibromofluoromethane	0.346	0.347	-0.3	90	0.00
36	T	1,1-Dichloropropene	0.448	0.442	1.3	95	0.00
37	T	Ethyl Acetate	0.553	0.526	4.9	87	0.00
38	T	Carbon Tetrachloride	0.482	0.508	-5.4	97	0.00
39	T	Methylcyclohexane	0.535	0.577	-7.9	99	0.00
40	TM	Benzene	1.359	1.402	-3.2	95	0.00
41	T	Methacrylonitrile	0.294	0.285	3.1	91	0.00
42	TM	1,2-Dichloroethane	0.560	0.548	2.1	90	0.00
43	T	Isopropyl Acetate	0.865	0.858	0.8	90	0.00
44	TM	Trichloroethene	0.339	0.365	-7.7	100	0.00
45	C	1,2-Dichloropropane	0.347	0.354	-2.0#	95	0.00
46	T	Dibromomethane	0.269	0.276	-2.6	93	0.00
47	T	Bromodichloromethane	0.465	0.504	-8.4	95	0.00
48	T	Methyl methacrylate	0.420	0.411	2.1	89	0.00

Sample Results: **VX044540.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.007	0.008	-14.3	98	0.00
50	S	Toluene-d8	1.168	1.152	1.4	88	0.00
51	T	4-Methyl-2-Pentanone	0.556	0.557	-0.2	90	0.00
52	CM	Toluene	0.853	0.875	-2.6#	96	0.00
53	T	t-1,3-Dichloropropene	0.455	0.489	-7.5	91	0.00
54	T	cis-1,3-Dichloropropene	0.507	0.549	-8.3	93	0.00
55	T	1,1,2-Trichloroethane	0.339	0.365	-7.7	98	0.00
56	T	Ethyl methacrylate	0.535	0.546	-2.1	91	0.00
57	T	1,3-Dichloropropane	0.590	0.603	-2.2	94	0.00
58	T	2-Chloroethyl Vinyl ether	0.270	0.250	7.4	82	0.00
59	T	2-Hexanone	0.403	0.408	-1.2	89	0.00
60	T	Dibromochloromethane	0.326	0.376	-15.3	97	0.00
61	T	1,2-Dibromoethane	0.345	0.387	-12.2	100	0.00
62	S	4-Bromofluorobenzene	0.408	0.416	-2.0	90	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64	T	Tetrachloroethene	0.332	0.375	-13.0	112	0.00
65	PM	Chlorobenzene	1.071	1.137	-6.2	100	0.00
66	T	1,1,1,2-Tetrachloroethane	0.344	0.395	-14.8	101	0.00
67	C	Ethyl Benzene	1.851	1.949	-5.3#	97	0.00
68	T	m/p-Xylenes	0.679	0.724	-6.6	98	0.00
69	T	o-Xylene	0.687	0.730	-6.3	99	0.00
70	T	Styrene	1.102	1.225	-11.2	101	0.00
71	P	Bromoform	0.219	0.274	-25.1#	106	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.828	3.771	1.5	100	0.00
74	T	N-amyl acetate	1.769	1.624	8.2	88	0.00
75	P	1,1,2,2-Tetrachloroethane	1.329	1.246	6.2	96	0.00
76	T	1,2,3-Trichloropropane	1.116	1.048	6.1	96	0.00
77	T	Bromobenzene	0.928	0.949	-2.3	104	0.00
78	T	n-propylbenzene	4.231	4.209	0.5	97	0.00
79	T	2-Chlorotoluene	2.736	2.573	6.0	96	0.00
80	T	1,3,5-Trimethylbenzene	3.174	3.145	0.9	98	0.00
81	T	trans-1,4-Dichloro-2-butene	0.347	0.342	1.4	96	0.00
82	T	4-Chlorotoluene	3.030	2.939	3.0	98	0.00
83	T	tert-Butylbenzene	3.137	3.161	-0.8	100	0.00
84	T	1,2,4-Trimethylbenzene	3.117	3.162	-1.4	99	0.00
85	T	sec-Butylbenzene	3.808	3.920	-2.9	102	0.00
86	T	p-Isopropyltoluene	3.170	3.289	-3.8	102	0.00
87	T	1,3-Dichlorobenzene	1.621	1.705	-5.2	105	0.00
88	T	1,4-Dichlorobenzene	1.667	1.687	-1.2	104	0.00
89	T	n-Butylbenzene	2.665	2.781	-4.4	101	0.00
90	T	Hexachloroethane	0.463	0.495	-6.9	101	0.00
91	T	1,2-Dichlorobenzene	1.683	1.724	-2.4	103	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.258	0.243	5.8	92	0.00
93	T	1,2,4-Trichlorobenzene	0.923	1.049	-13.7	111	0.00
94	T	Hexachlorobutadiene	0.371	0.442	-19.1	124	0.00
95	T	Naphthalene	3.603	3.680	-2.1	99	0.00

Sample Results: **VX044540.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.979	1.098	-12.2	111	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Sample Results: **VX044540.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	110	0.00
2	T	Dichlorodifluoromethane	50.000	45.524	9.0	98	0.00
3	P	Chloromethane	50.000	43.875	12.3	94	0.00
4	C	Vinyl Chloride	50.000	43.513	13.0#	94	0.00
5	T	Bromomethane	50.000	41.301	17.4	90	0.00
6	T	Chloroethane	50.000	43.836	12.3	87	0.00
7	T	Trichlorofluoromethane	50.000	40.661	18.7	87	0.00
8	T	Diethyl Ether	50.000	45.861	8.3	101	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.314	1.4	107	0.00
10	T	Methyl Iodide	50.000	49.847	0.3	104	0.00
11	T	Tert butyl alcohol	250.000	203.663	18.5	92	0.00
12	CM	1,1-Dichloroethene	50.000	48.846	2.3#	101	0.00
13	T	Acrolein	250.000	142.534	43.0#	61	0.00
14	T	Allyl chloride	50.000	44.955	10.1	91	0.00
15	T	Acrylonitrile	250.000	233.158	6.7	98	0.00
16	T	Acetone	250.000	203.343	18.7	84	0.00
17	T	Carbon Disulfide	50.000	45.453	9.1	92	0.00
18	T	Methyl Acetate	50.000	46.562	6.9	99	0.00
19	T	Methyl tert-butyl Ether	50.000	43.403	13.2	90	0.00
20	T	Methylene Chloride	50.000	45.325	9.3	97	0.00
21	T	trans-1,2-Dichloroethene	50.000	45.427	9.1	96	0.00
22	T	Diisopropyl ether	50.000	43.324	13.4	92	0.00
23	T	Vinyl Acetate	250.000	230.231	7.9	90	0.00
24	P	1,1-Dichloroethane	50.000	45.551	8.9	94	0.00
25	T	2-Butanone	250.000	217.020	13.2	88	0.00
26	T	2,2-Dichloropropane	50.000	46.637	6.7	93	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.029	7.9	99	0.00
28	T	Bromochloromethane	50.000	42.719	14.6	91	0.00
29	T	Tetrahydrofuran	250.000	217.562	13.0	92	0.00
30	C	Chloroform	50.000	44.097	11.8#	95	0.00
31	T	Cyclohexane	50.000	44.218	11.6	94	0.00
32	T	1,1,1-Trichloroethane	50.000	46.342	7.3	95	0.00
33	S	1,2-Dichloroethane-d4	50.000	40.623	18.8	85	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
35	S	Dibromofluoromethane	50.000	50.062	-0.1	90	0.00
36	T	1,1-Dichloropropene	50.000	49.419	1.2	95	0.00
37	T	Ethyl Acetate	50.000	47.524	5.0	87	0.00
38	T	Carbon Tetrachloride	50.000	52.739	-5.5	97	0.00
39	T	Methylcyclohexane	50.000	53.905	-7.8	99	0.00
40	TM	Benzene	50.000	51.597	-3.2	95	0.00
41	T	Methacrylonitrile	50.000	48.575	2.8	91	0.00
42	TM	1,2-Dichloroethane	50.000	48.922	2.2	90	0.00
43	T	Isopropyl Acetate	50.000	49.578	0.8	90	0.00
44	TM	Trichloroethene	50.000	53.888	-7.8	100	0.00
45	C	1,2-Dichloropropane	50.000	51.047	-2.1#	95	0.00
46	T	Dibromomethane	50.000	51.298	-2.6	93	0.00
47	T	Bromodichloromethane	50.000	54.155	-8.3	95	0.00
48	T	Methyl methacrylate	50.000	48.959	2.1	89	0.00

Sample Results: **VX044540.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1108.620	-10.9	98	0.00
50	S	Toluene-d8	50.000	49.293	1.4	88	0.00
51	T	4-Methyl-2-Pentanone	250.000	250.388	-0.2	90	0.00
52	CM	Toluene	50.000	51.274	-2.5#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	48.988	2.0	91	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.223	-8.4	93	0.00
55	T	1,1,2-Trichloroethane	50.000	53.821	-7.6	98	0.00
56	T	Ethyl methacrylate	50.000	51.019	-2.0	91	0.00
57	T	1,3-Dichloropropane	50.000	51.116	-2.2	94	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	231.727	7.3	82	0.00
59	T	2-Hexanone	250.000	253.490	-1.4	89	0.00
60	T	Dibromochloromethane	50.000	52.230	-4.5	97	0.00
61	T	1,2-Dibromoethane	50.000	56.057	-12.1	100	0.00
62	S	4-Bromofluorobenzene	50.000	50.906	-1.8	90	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.00
64	T	Tetrachloroethene	50.000	56.524	-13.0	112	0.00
65	PM	Chlorobenzene	50.000	53.076	-6.2	100	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	57.314	-14.6	101	0.00
67	C	Ethyl Benzene	50.000	52.655	-5.3#	97	0.00
68	T	m/p-Xylenes	100.000	106.627	-6.6	98	0.00
69	T	o-Xylene	50.000	53.072	-6.1	99	0.00
70	T	Styrene	50.000	55.603	-11.2	101	0.00
71	P	Bromoform	50.000	56.136	-12.3	106	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	49.257	1.5	100	0.00
74	T	N-amyl acetate	50.000	45.915	8.2	88	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.872	6.3	96	0.00
76	T	1,2,3-Trichloropropane	50.000	46.956	6.1	96	0.00
77	T	Bromobenzene	50.000	51.123	-2.2	104	0.00
78	T	n-propylbenzene	50.000	49.746	0.5	97	0.00
79	T	2-Chlorotoluene	50.000	47.028	5.9	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.542	0.9	98	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	44.565	10.9	96	0.00
82	T	4-Chlorotoluene	50.000	48.495	3.0	98	0.00
83	T	tert-Butylbenzene	50.000	50.383	-0.8	100	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.715	-1.4	99	0.00
85	T	sec-Butylbenzene	50.000	51.464	-2.9	102	0.00
86	T	p-Isopropyltoluene	50.000	51.888	-3.8	102	0.00
87	T	1,3-Dichlorobenzene	50.000	52.579	-5.2	105	0.00
88	T	1,4-Dichlorobenzene	50.000	50.610	-1.2	104	0.00
89	T	n-Butylbenzene	50.000	52.164	-4.3	101	0.00
90	T	Hexachloroethane	50.000	53.517	-7.0	101	0.00
91	T	1,2-Dichlorobenzene	50.000	51.202	-2.4	103	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.105	5.8	92	0.00
93	T	1,2,4-Trichlorobenzene	50.000	56.806	-13.6	111	0.00
94	T	Hexachlorobutadiene	50.000	59.595	-19.2	124	0.00
95	T	Naphthalene	50.000	51.070	-2.1	99	0.00

Sample Results: **VX044540.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	56.081	-12.2	111	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX044566.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5376 SAS No.: P5376 SDG No.: P5376

Instrument ID: MSVOA_X Calibration Date/Time: 12/30/2024 23:54

Lab File ID: VX044566.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.773	0.656		-15.14	50
Chloromethane	0.739	0.595	0.1	-19.49	50
Vinyl Chloride	0.770	0.637		-17.27	50
Bromomethane	0.546	0.434		-20.51	50
Chloroethane	0.480	0.411		-14.38	50
Trichlorofluoromethane	1.508	1.187		-21.29	50
1,1,2-Trichlorotrifluoroethane	0.610	0.575		-5.74	50
1,1-Dichloroethene	0.560	0.554		-1.07	50
Acetone	0.357	0.284		-20.45	50
Carbon Disulfide	1.065	0.937		-12.02	50
Methyl tert-butyl Ether	2.187	1.892		-13.49	50
Methyl Acetate	0.922	0.841		-8.78	50
Methylene Chloride	0.671	0.598		-10.88	50
trans-1,2-Dichloroethene	0.596	0.545		-8.56	50
1,1-Dichloroethane	1.172	1.065	0.1	-9.13	50
Cyclohexane	0.946	0.793		-16.17	50
2-Butanone	0.508	0.435		-14.37	50
Carbon Tetrachloride	0.482	0.484		0.41	50
cis-1,2-Dichloroethene	0.756	0.682		-9.79	50
Bromochloromethane	0.575	0.455		-20.87	50
Chloroform	1.316	1.146		-12.92	50
1,1,1-Trichloroethane	1.093	1.005		-8.05	50
Methylcyclohexane	0.535	0.513		-4.11	50
Benzene	1.359	1.334		-1.84	50
1,2-Dichloroethane	0.560	0.526		-6.07	50
Trichloroethene	0.339	0.354		4.43	50
1,2-Dichloropropane	0.347	0.331		-4.61	50
Bromodichloromethane	0.465	0.478		2.8	50
4-Methyl-2-Pentanone	0.556	0.539		-3.06	50
Toluene	0.853	0.835		-2.11	50
t-1,3-Dichloropropene	0.455	0.458		0.66	50
cis-1,3-Dichloropropene	0.507	0.510		0.59	50
1,1,2-Trichloroethane	0.339	0.351		3.54	50
2-Hexanone	0.403	0.398		-1.24	50
Dibromochloromethane	0.326	0.361		10.74	50
1,2-Dibromoethane	0.345	0.364		5.51	50
Tetrachloroethene	0.332	0.332		0	50
Chlorobenzene	1.071	1.067	0.3	-0.37	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VX044566.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5376 SAS No.: P5376 SDG No.: P5376

Instrument ID: MSVOA_X Calibration Date/Time: 12/30/2024 23:54

Lab File ID: VX044566.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	$\overline{RRF}$	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.851	1.830		-1.13	50
m/p-Xylenes	0.679	0.685		0.88	50
o-Xylene	0.687	0.687		0	50
Styrene	1.102	1.146		3.99	50
Bromoform	0.219	0.264	0.1	20.55	50
Isopropylbenzene	3.828	3.680		-3.87	50
1,1,2,2-Tetrachloroethane	1.329	1.263	0.3	-4.97	50
1,3-Dichlorobenzene	1.621	1.658		2.28	50
1,4-Dichlorobenzene	1.667	1.661		-0.36	50
1,2-Dichlorobenzene	1.684	1.678		-0.36	50
1,2-Dibromo-3-Chloropropane	0.258	0.241		-6.59	50
1,2,4-Trichlorobenzene	0.923	1.013		9.75	50
1,2,3-Trichlorobenzene	0.979	1.063		8.58	50
1,2-Dichloroethane-d4	0.877	0.721		-17.79	50
Dibromofluoromethane	0.346	0.346		0	50
Toluene-d8	1.168	1.133		-3	50
4-Bromofluorobenzene	0.408	0.410		0.49	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Quantitation Report (QT Reviewed)

Sample Results: **VX044566.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.544	168	134908	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	225955	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199687	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97406	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.952	65	97335	41.150 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 82.300%		
35) Dibromofluoromethane	5.379	113	78099	49.905 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.820%		
50) Toluene-d8	8.647	98	255928	48.474 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.940%		
62) 4-Bromofluorobenzene	11.079	95	92593	50.190 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.380%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.166	85	88473	42.412 ug/l	98
3) Chloromethane	1.294	50	80213	40.211 ug/l	98
4) Vinyl Chloride	1.374	62	85988	41.376 ug/l	100
5) Bromomethane	1.593	94	58486	39.669 ug/l	96
6) Chloroethane	1.660	64	55460	42.857 ug/l	99
7) Trichlorofluoromethane	1.867	101	160196	39.375 ug/l	98
8) Diethyl Ether	2.136	74	60946	43.886 ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.312	101	77621	47.148 ug/l	95
10) Methyl Iodide	2.440	142	104691	48.249 ug/l	94
11) Tert butyl alcohol	2.995	59	68583	205.729 ug/l	100
12) 1,1-Dichloroethene	2.306	96	74754	49.435 ug/l	98
13) Acrolein	2.239	56	219281	454.411 ug/l	99
14) Allyl chloride	2.654	41	109846	43.612 ug/l	98
15) Acrylonitrile	3.068	53	206660	223.794 ug/l	100
16) Acetone	2.392	43	191360	198.438 ug/l	98
17) Carbon Disulfide	2.501	76	126347	43.956 ug/l	100
18) Methyl Acetate	2.709	43	113435	45.622 ug/l	97
19) Methyl tert-butyl Ether	3.117	73	255271	43.259 ug/l	100
20) Methylene Chloride	2.782	84	80711	44.561 ug/l	93
21) trans-1,2-Dichloroethene	3.081	96	73581	45.785 ug/l	96
22) Diisopropyl ether	3.763	45	241729	42.621 ug/l	98
23) Vinyl Acetate	3.721	43	1052226	228.196 ug/l	98
24) 1,1-Dichloroethane	3.605	63	143640	45.434 ug/l	98
25) 2-Butanone	4.562	43	293704	214.237 ug/l	99
26) 2,2-Dichloropropane	4.464	77	92800	36.132 ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	92046	45.097 ug/l	92
28) Bromochloromethane	4.897	49	61368	39.585 ug/l	90
29) Tetrahydrofuran	5.007	42	187403	212.969 ug/l	98
30) Chloroform	5.086	83	154551	43.510 ug/l	99
31) Cyclohexane	5.458	56	107006	41.915 ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	135637	46.002 ug/l	99
36) 1,1-Dichloropropene	5.684	75	96599	47.753 ug/l	98
37) Ethyl Acetate	4.721	43	115086	46.024 ug/l	98
38) Carbon Tetrachloride	5.665	117	109326	50.199 ug/l	97
39) Methylcyclohexane	7.372	83	115954	47.948 ug/l	96
40) Benzene	6.031	78	301408	49.074 ug/l	99

Sample Results: **VX044566.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	61126	46.035 ug/l	95
42) 1,2-Dichloroethane	6.086	62	118878	46.987 ug/l	97
43) Isopropyl Acetate	6.342	43	185677	47.508 ug/l	98
44) Trichloroethene	7.123	130	80026	52.249 ug/l	91
45) 1,2-Dichloropropane	7.427	63	74860	47.708 ug/l	97
46) Dibromomethane	7.580	93	60246	49.490 ug/l	91
47) Bromodichloromethane	7.818	83	108056	51.396 ug/l	99
48) Methyl methacrylate	7.696	41	88938	46.878 ug/l	96
49) 1,4-Dioxane	7.665	88	28733	913.462 ug/l #	73
51) 4-Methyl-2-Pentanone	8.573	43	608819	242.270 ug/l	98
52) Toluene	8.714	92	188560	48.888 ug/l	98
53) t-1,3-Dichloropropene	8.976	75	103525	46.134 ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	115192	50.320 ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	79336	51.778 ug/l	98
56) Ethyl methacrylate	9.116	69	121845	50.372 ug/l	98
57) 1,3-Dichloropropane	9.305	76	130819	49.051 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	262876	215.466 ug/l	97
59) 2-Hexanone	9.433	43	449825	247.299 ug/l	98
60) Dibromochloromethane	9.518	129	81525	50.226 ug/l	98
61) 1,2-Dibromoethane	9.610	107	82337	52.792 ug/l	97
64) Tetrachloroethene	9.275	164	66308	50.030 ug/l	95
65) Chlorobenzene	10.079	112	213039	49.789 ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	75033	54.563 ug/l	99
67) Ethyl Benzene	10.195	91	365437	49.429 ug/l	99
68) m/p-Xylenes	10.299	106	273541	100.832 ug/l	96
69) o-Xylene	10.640	106	137223	49.993 ug/l	96
70) Styrene	10.652	104	228924	52.025 ug/l	95
71) Bromoform	10.799	173	52709	54.252 ug/l #	100
73) Isopropylbenzene	10.963	105	358412	48.065 ug/l	98
74) N-amyl acetate	10.841	43	158466	45.983 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	123043	47.507 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	99157m	45.593 ug/l	
77) Bromobenzene	11.195	156	91064	50.361 ug/l	93
78) n-propylbenzene	11.305	91	398738	48.380 ug/l	97
79) 2-Chlorotoluene	11.366	91	245736	46.103 ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	294610	47.642 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	29397	39.990 ug/l	98
82) 4-Chlorotoluene	11.451	91	280598	47.540 ug/l	98
83) tert-Butylbenzene	11.713	119	304970	49.903 ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	298601	49.168 ug/l	100
85) sec-Butylbenzene	11.890	105	359795	48.496 ug/l	98
86) p-Isopropyltoluene	12.006	119	308256	49.920 ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	161456	51.117 ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	161835	49.842 ug/l	97
89) n-Butylbenzene	12.329	91	250983	48.337 ug/l	99
90) Hexachloroethane	12.536	117	46260	51.321 ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	163405	49.824 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	23513	46.766 ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	98627	54.853 ug/l	98
94) Hexachlorobutadiene	13.725	225	40268	55.678 ug/l	99
95) Naphthalene	13.774	128	348668	49.679 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	103555	54.300 ug/l	95

Sample Results: **VX044566.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Sample Results: **VX044566.D**

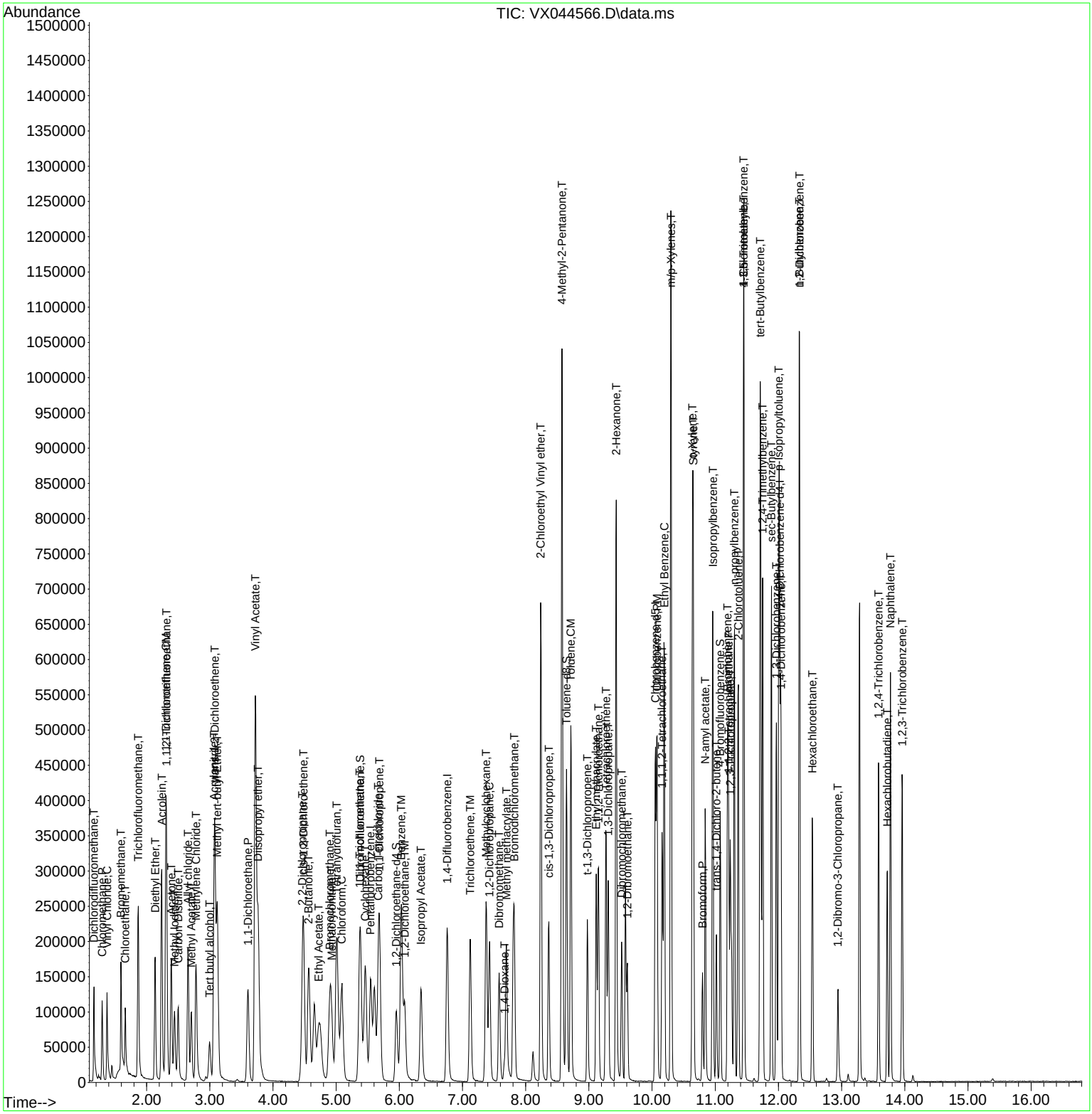
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

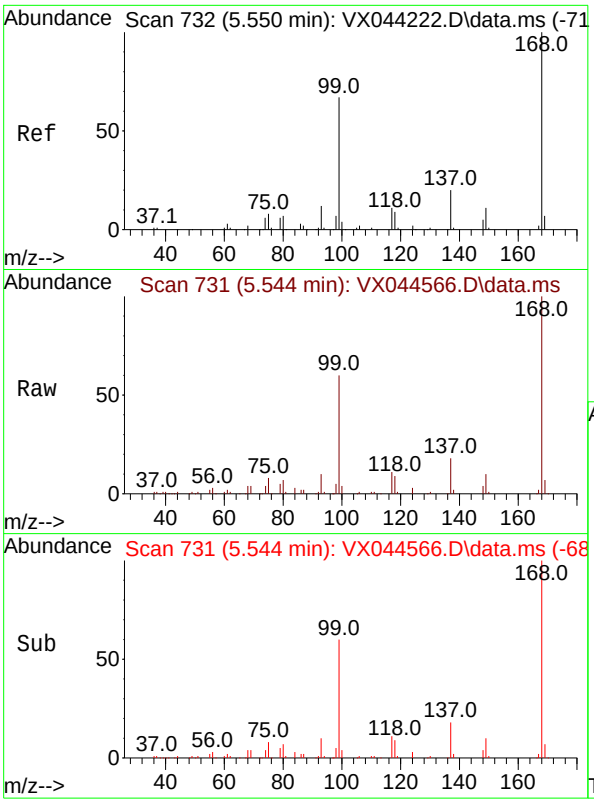
Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

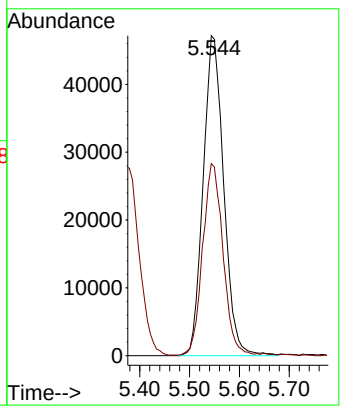
Tgt Ion:168 Resp: 134908

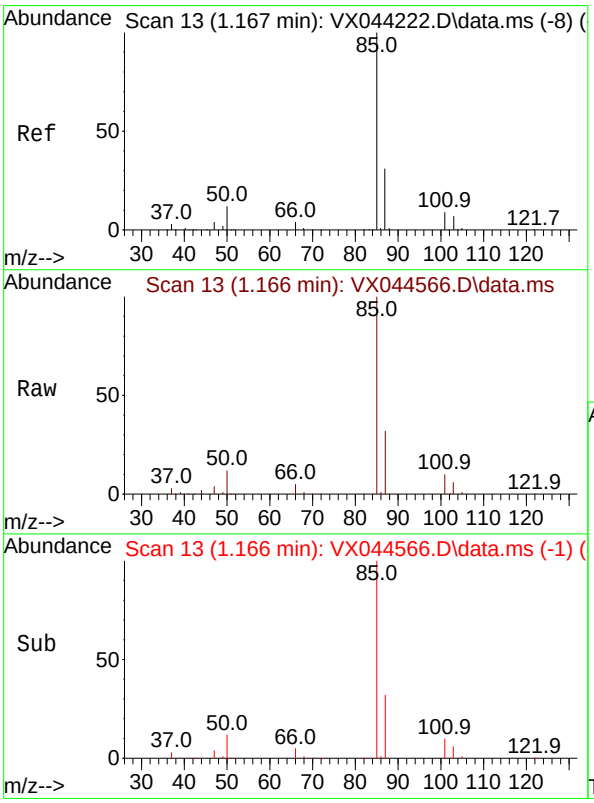
Ion	Ratio	Lower	Upper
168	100		
99	59.8	53.4	80.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

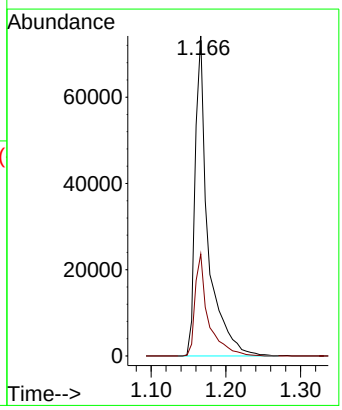


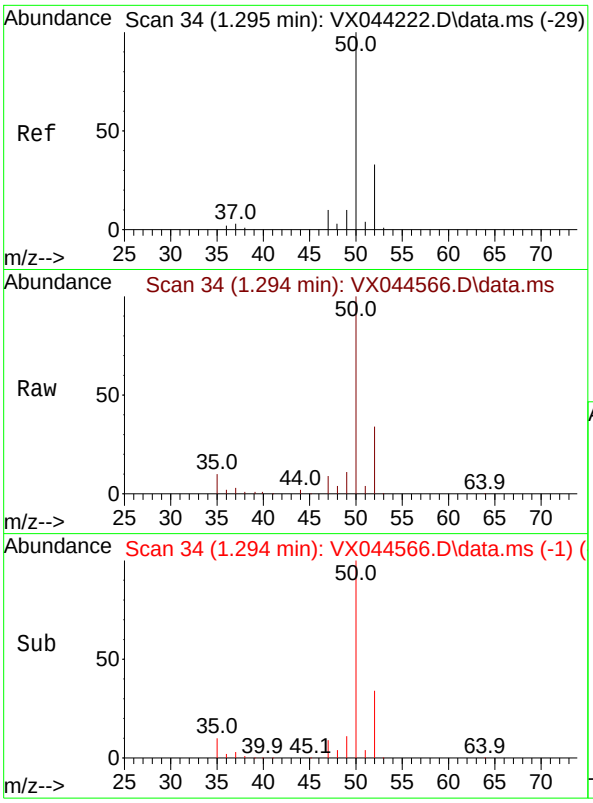


#2
Dichlorodifluoromethane
Concen: 42.412 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 85 Resp: 88473

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.4	46.4





#3
Chloromethane
Concen: 40.211 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 50 Resp: 8021

Ion	Ratio	Lower	Upper
50	100		
52	34.2	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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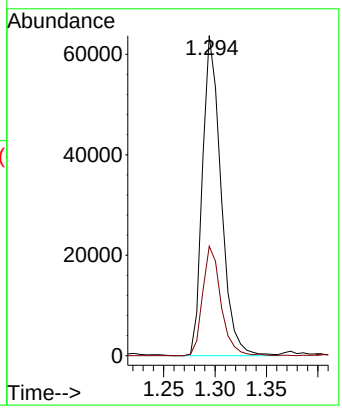
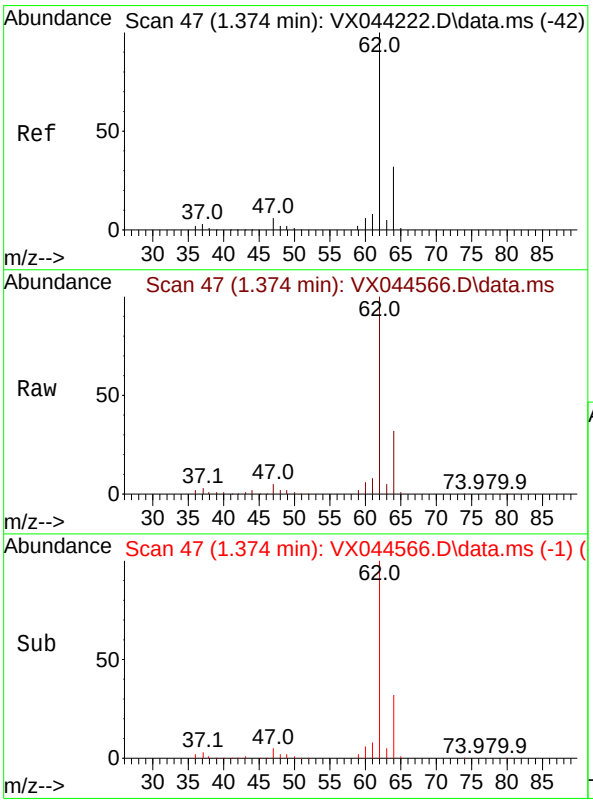
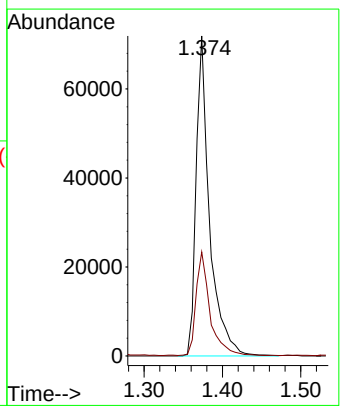


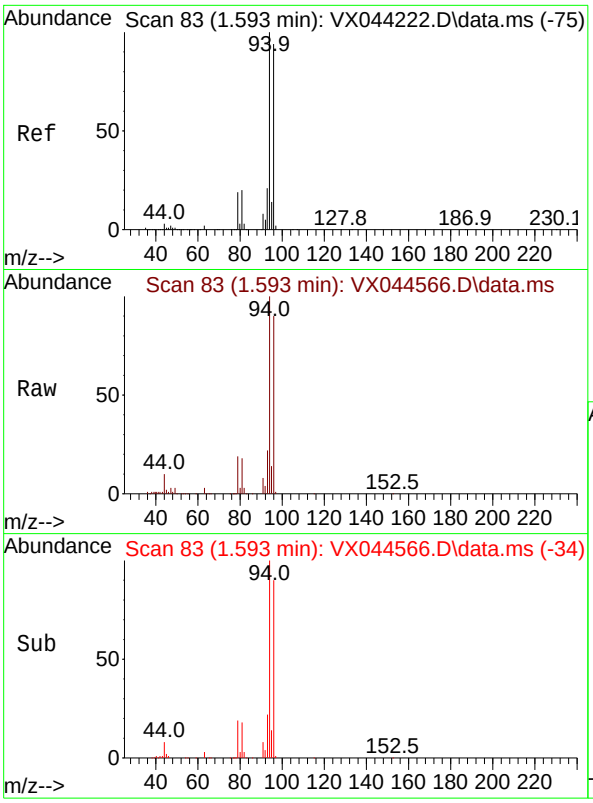


#4
Vinyl Chloride
Concen: 41.376 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 62 Resp: 85988

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.7	38.5





#5
Bromomethane
Concen: 39.669 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

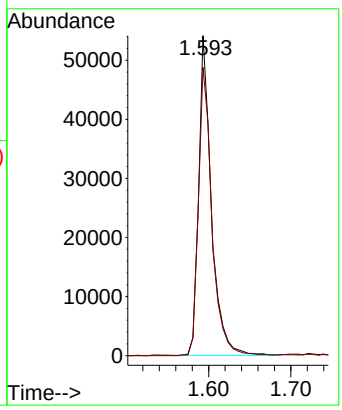
Tgt Ion: 94 Resp: 5848

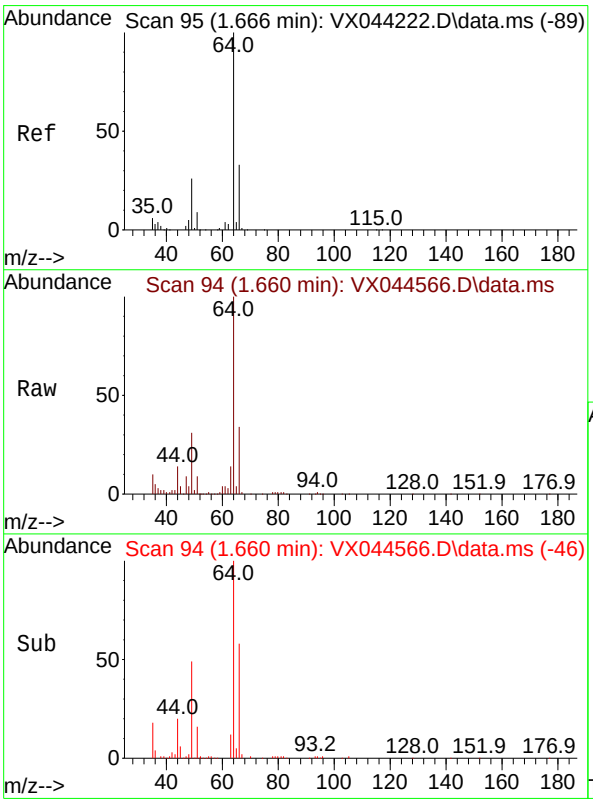
Ion	Ratio	Lower	Upper
94	100		
96	90.2	74.9	112.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

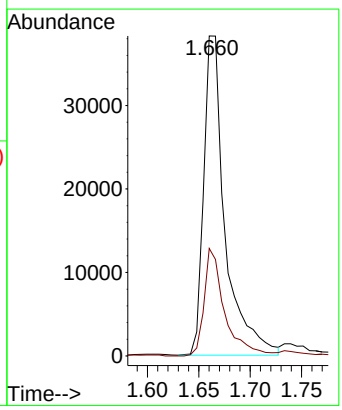


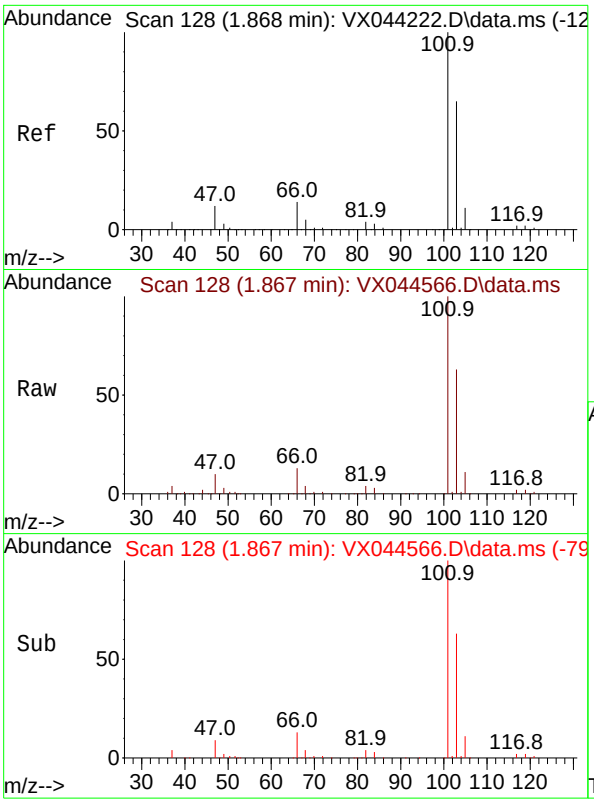


#6
Chloroethane
Concen: 42.857 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 64 Resp: 55460

Ion	Ratio	Lower	Upper
64	100		
66	33.7	26.6	39.8





#7
Trichlorofluoromethane
Concen: 39.375 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

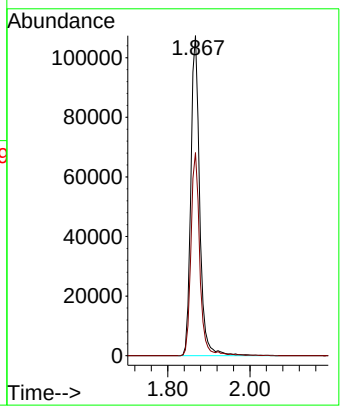
Tgt Ion:101 Resp: 16019

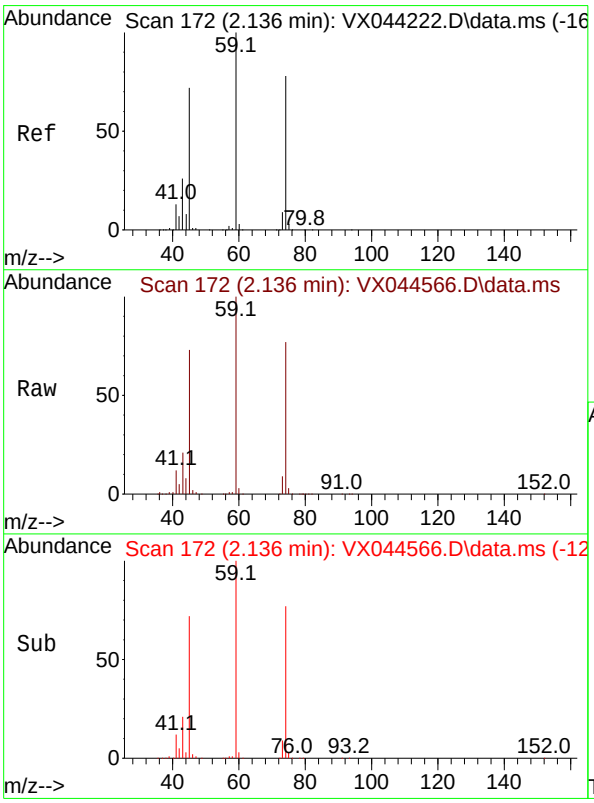
Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.8	77.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

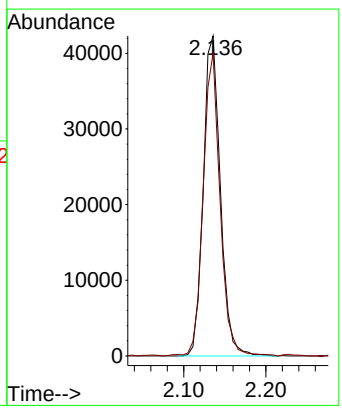


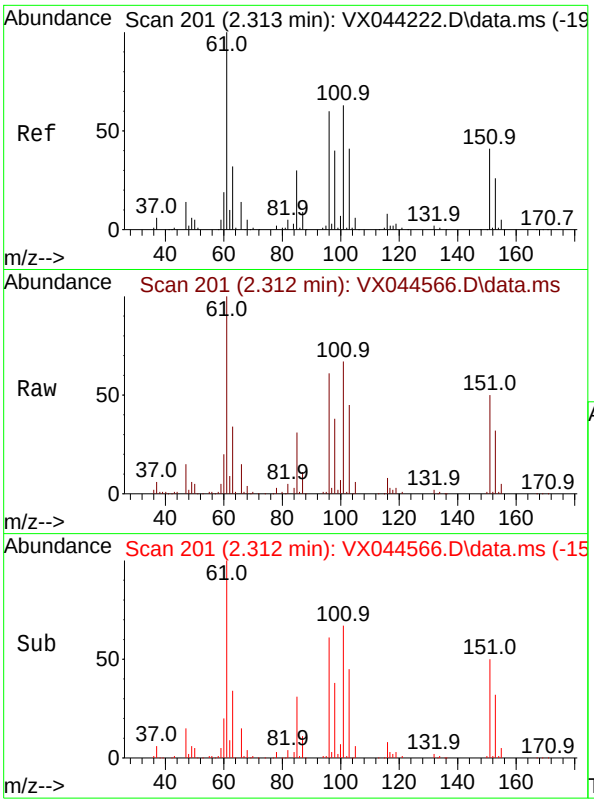


#8
Diethyl Ether
Concen: 43.886 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 74 Resp: 60946

Ion	Ratio	Lower	Upper
74	100		
45	93.8	48.4	145.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.148 ug/l
RT: 2.312 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 7762

Ion	Ratio	Lower	Upper
101	100		
85	47.8	38.5	57.7
151	76.4	55.8	83.6

Manual Integrations
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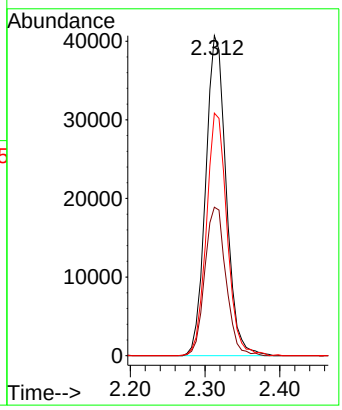
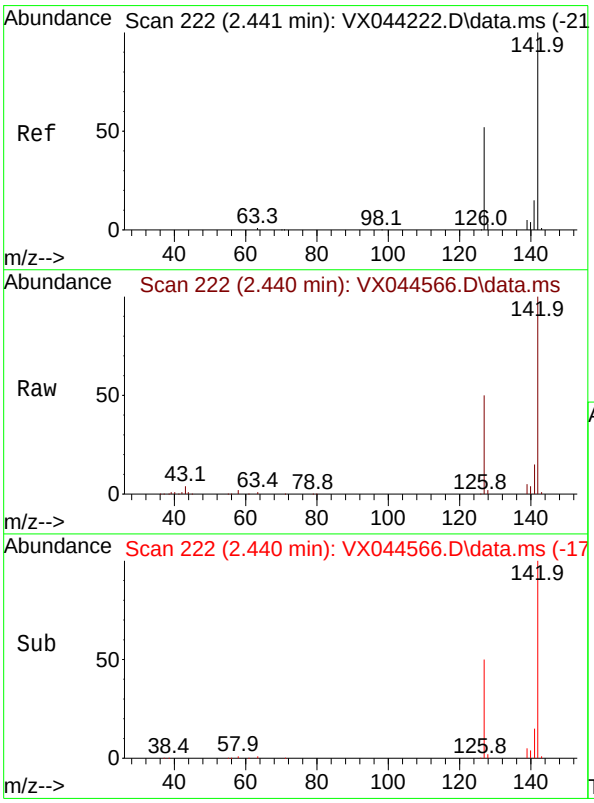
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

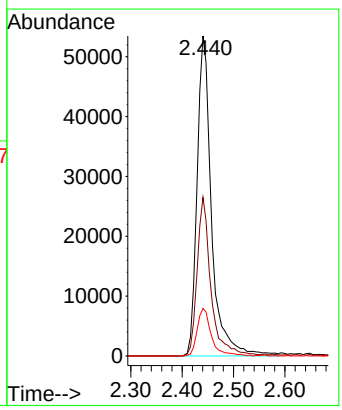


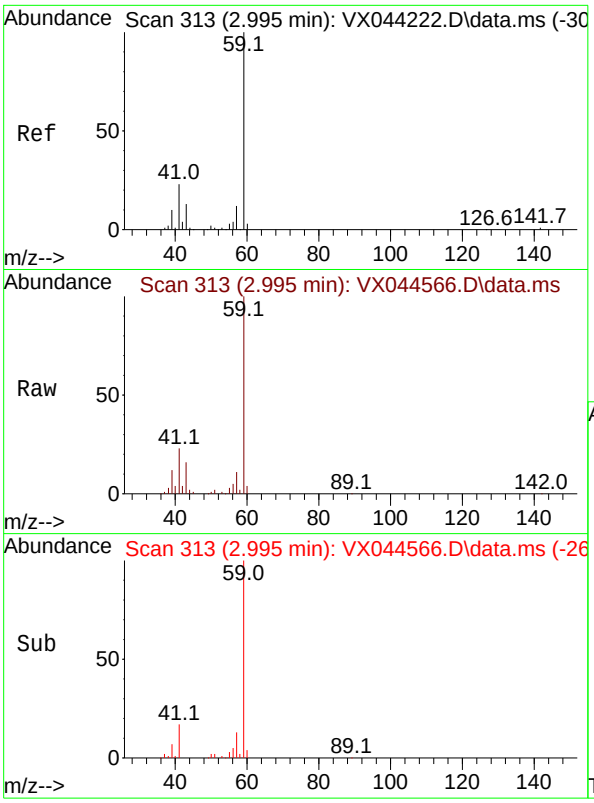


#10
Methyl Iodide
Concen: 48.249 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:142 Resp: 104691

Ion	Ratio	Lower	Upper
142	100		
127	47.3	41.8	62.8
141	14.6	11.5	17.3





#11
Tert butyl alcohol
Concen: 205.729 ug/l
RT: 2.995 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 59 Resp: 6858

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.8	13.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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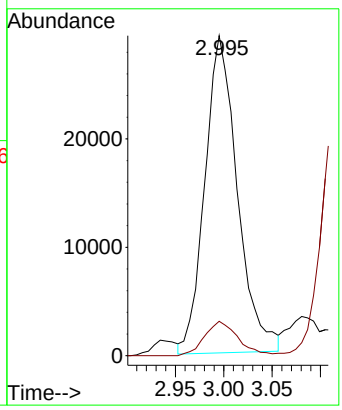
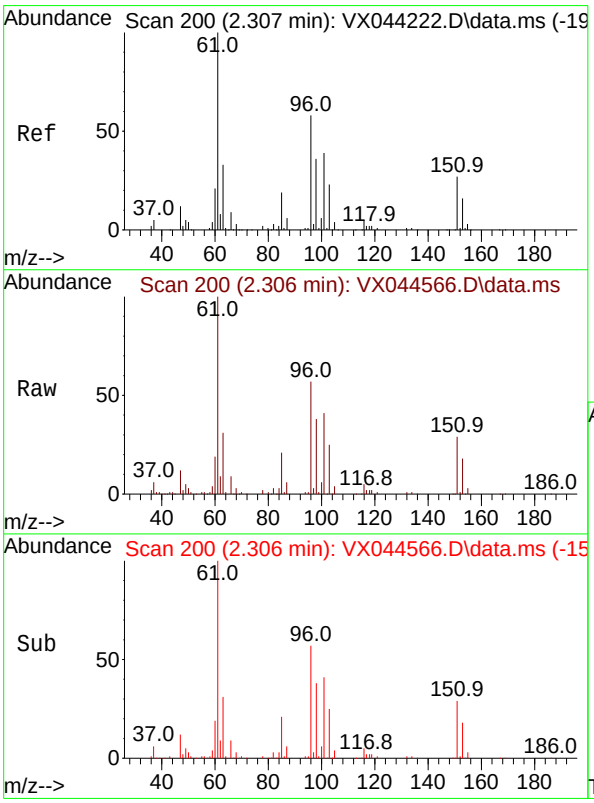
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

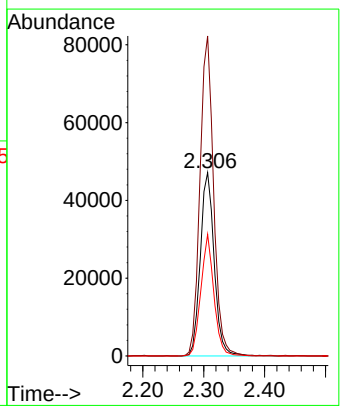


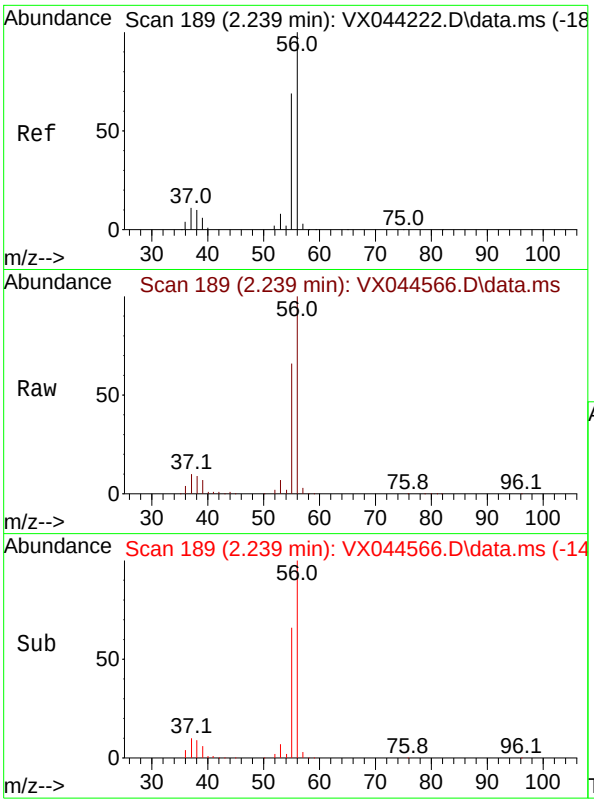


#12
1,1-Dichloroethene
Concen: 49.435 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 96 Resp: 74754

Ion	Ratio	Lower	Upper
96	100		
61	174.6	138.0	207.0
98	66.3	50.0	75.0





#13
Acrolein
Concen: 454.411 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 56 Resp: 21928

Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.6	84.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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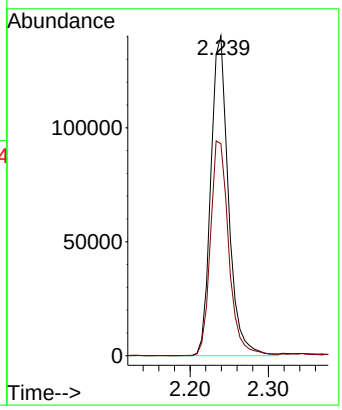
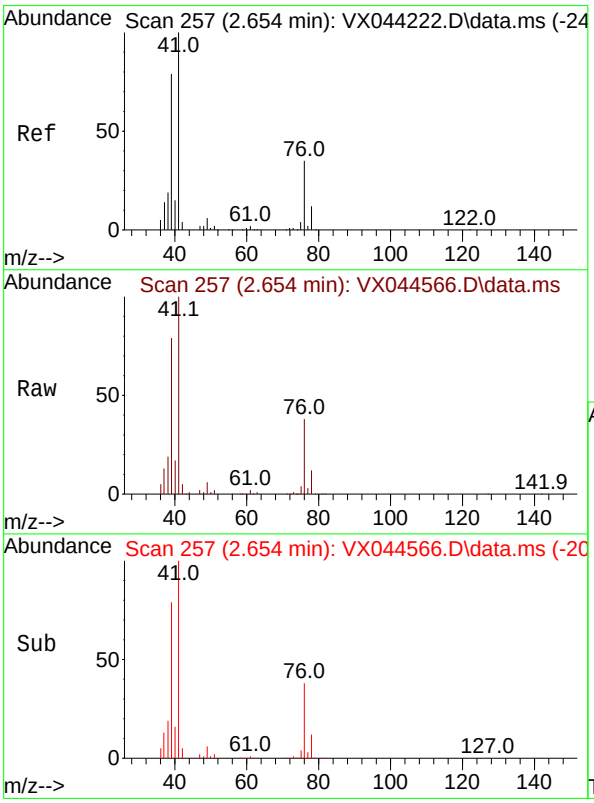
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

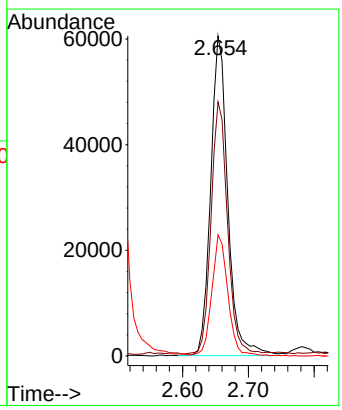


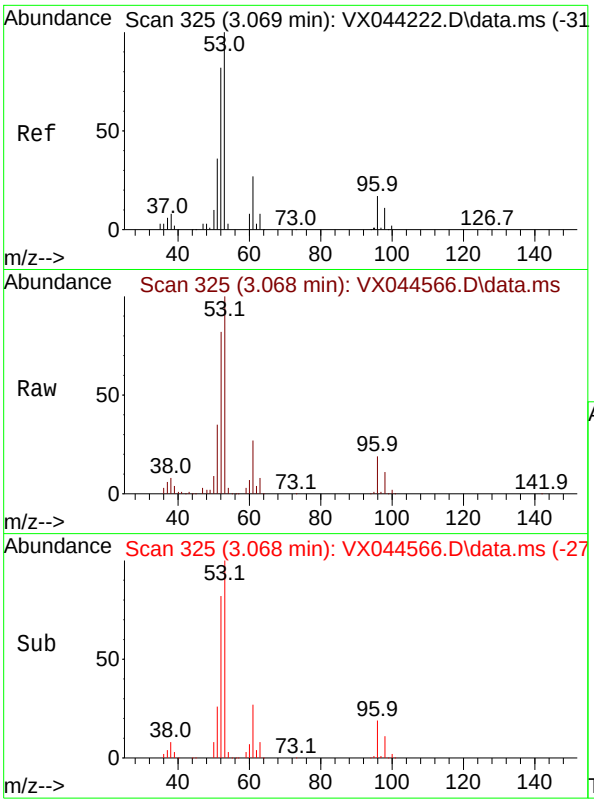


#14
Allyl chloride
Concen: 43.612 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 41 Resp: 109846

Ion	Ratio	Lower	Upper
41	100		
39	75.8	61.9	92.9
76	35.0	27.4	41.2





#15
Acrylonitrile
Concen: 223.794 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 53 Resp: 20666

Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.4	101.0
51	38.1	30.3	45.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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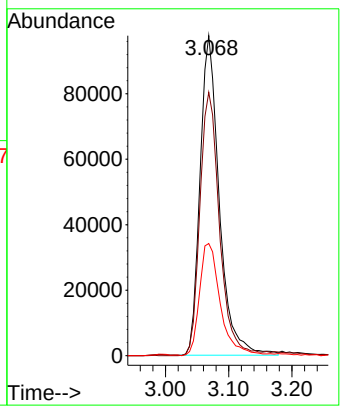
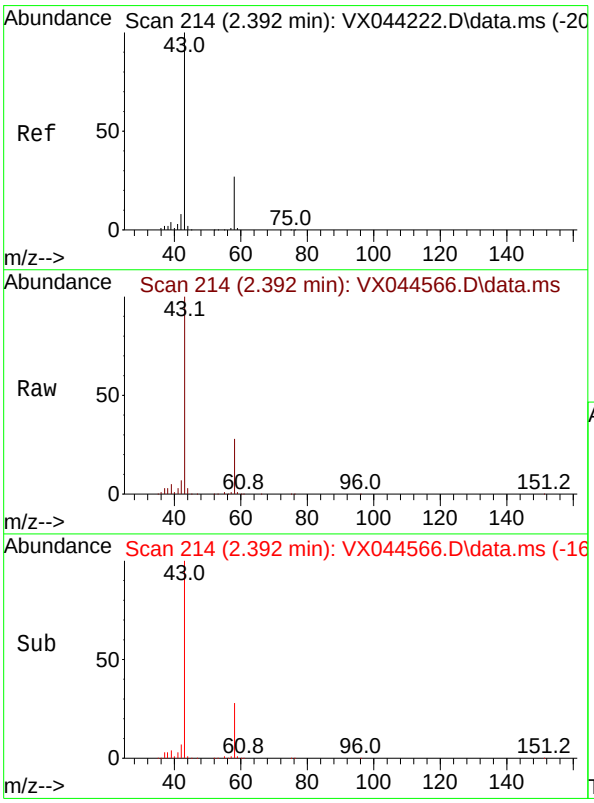
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

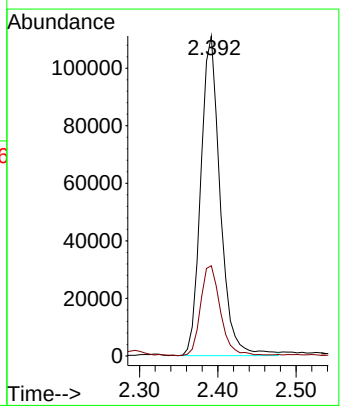


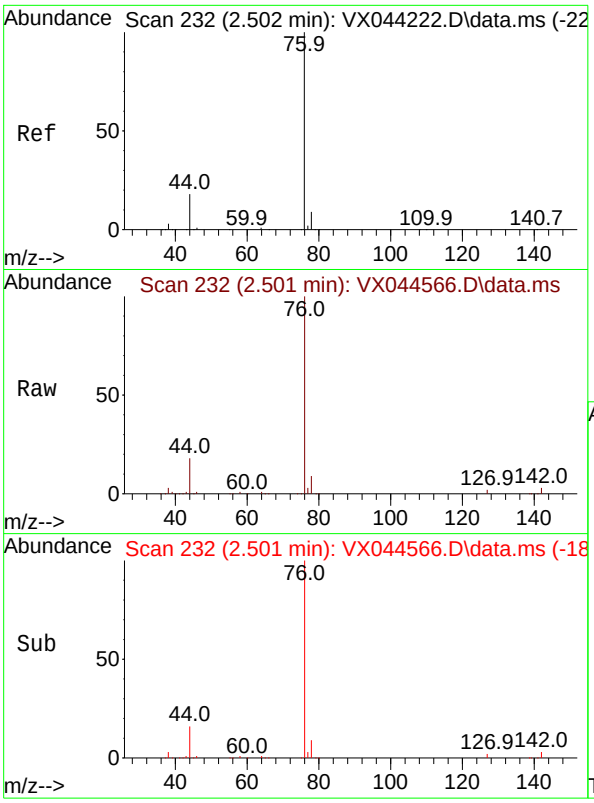


#16
Acetone
Concen: 198.438 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 43 Resp: 191360

Ion	Ratio	Lower	Upper
43	100		
58	28.1	21.6	32.4





#17
Carbon Disulfide
Concen: 43.956 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 76 Resp: 12634

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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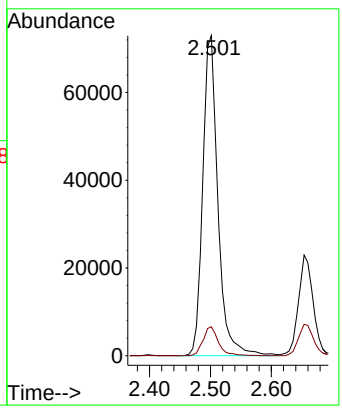
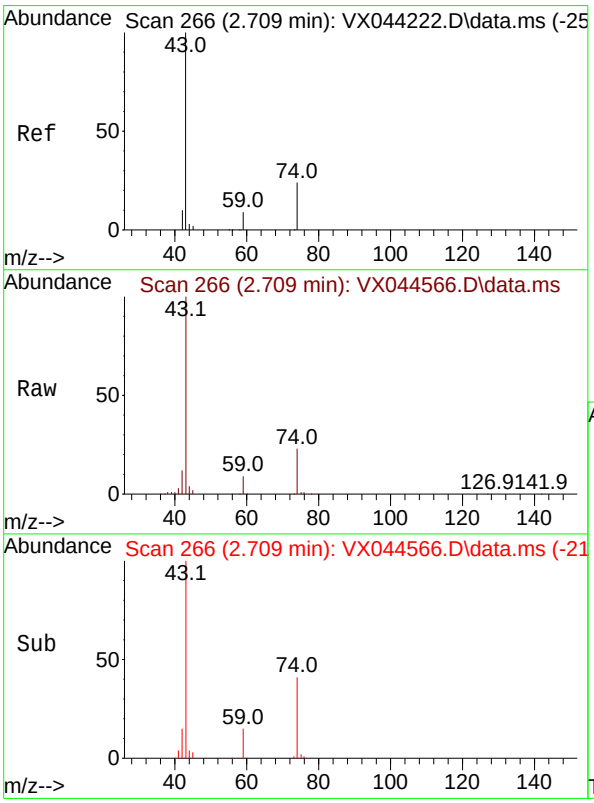
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

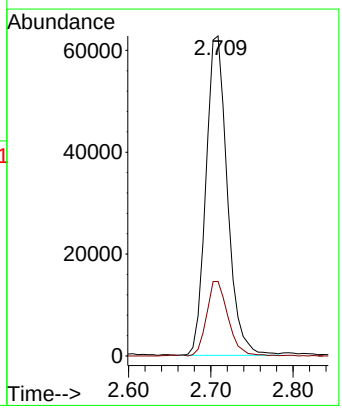


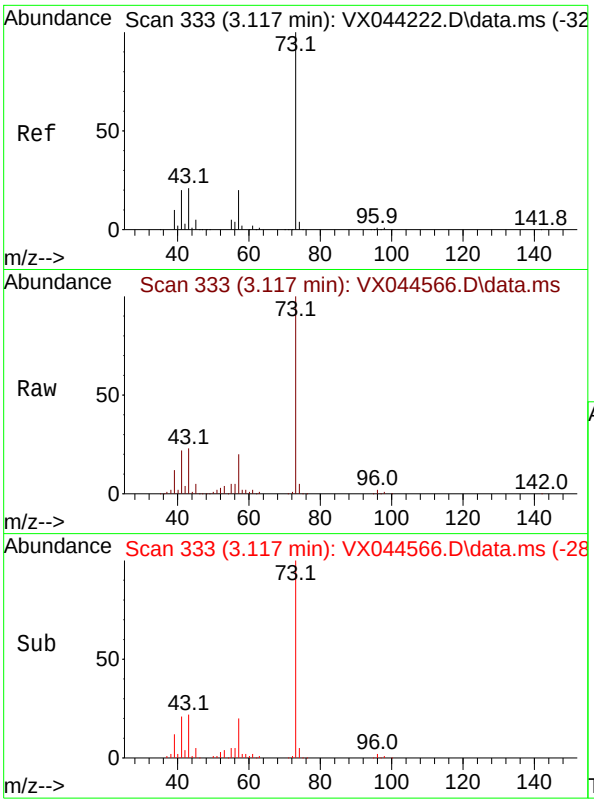


#18
Methyl Acetate
Concen: 45.622 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 43 Resp: 113435

Ion	Ratio	Lower	Upper
43	100		
74	23.5	17.7	26.5





#19
Methyl tert-butyl Ether
Concen: 43.259 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 73 Resp: 25527

Ion	Ratio	Lower	Upper
73	100		
57	20.4	16.2	24.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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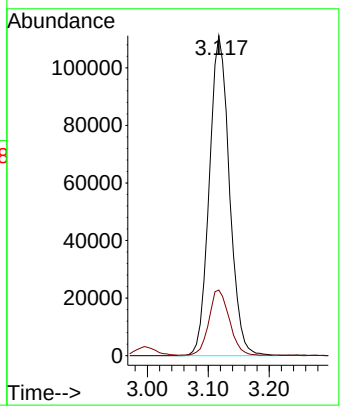
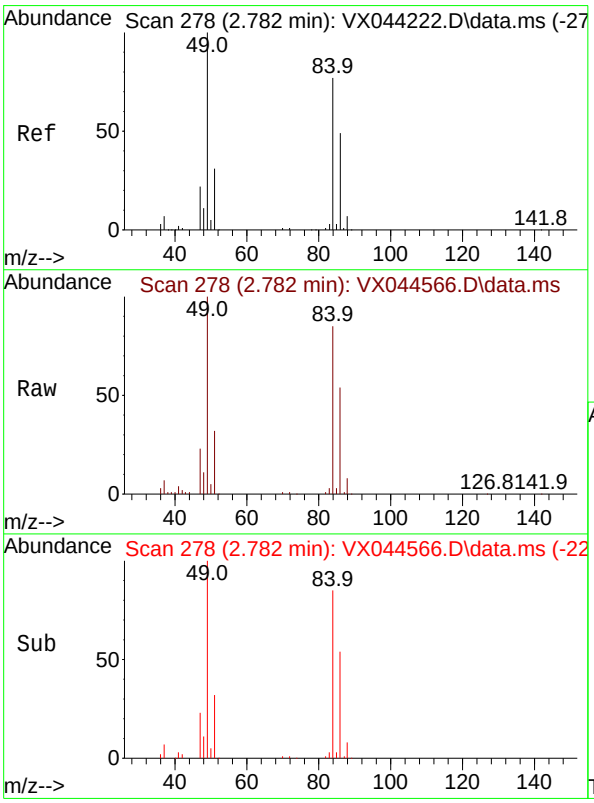
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

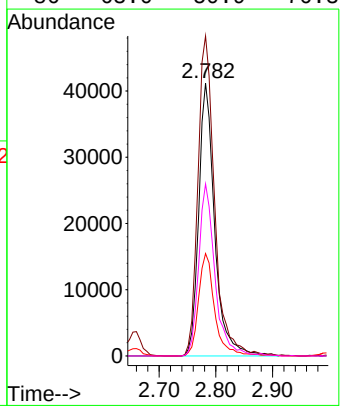


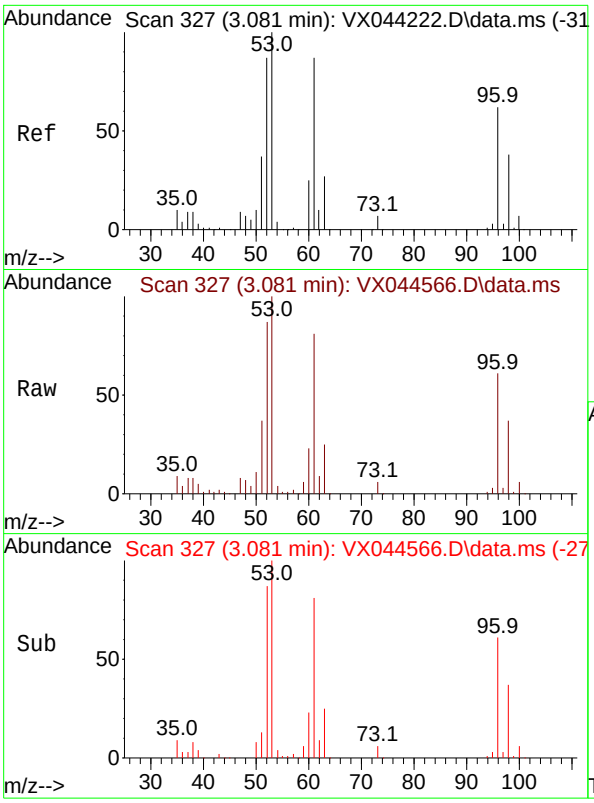


#20
Methylene Chloride
Concen: 44.561 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 84 Resp: 80711

Ion	Ratio	Lower	Upper
84	100		
49	117.3	104.2	156.4
51	37.6	32.2	48.4
86	63.0	50.9	76.3





#21
trans-1,2-Dichloroethene
Concen: 45.785 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 96 Resp: 7358

Ion	Ratio	Lower	Upper
96	100		
61	133.2	112.0	168.0
98	61.6	48.8	73.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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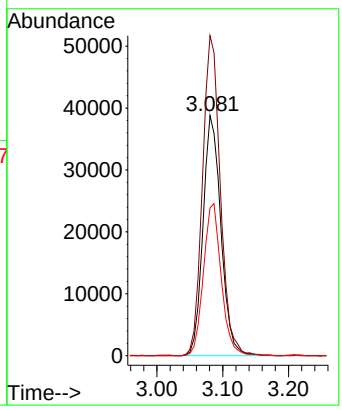
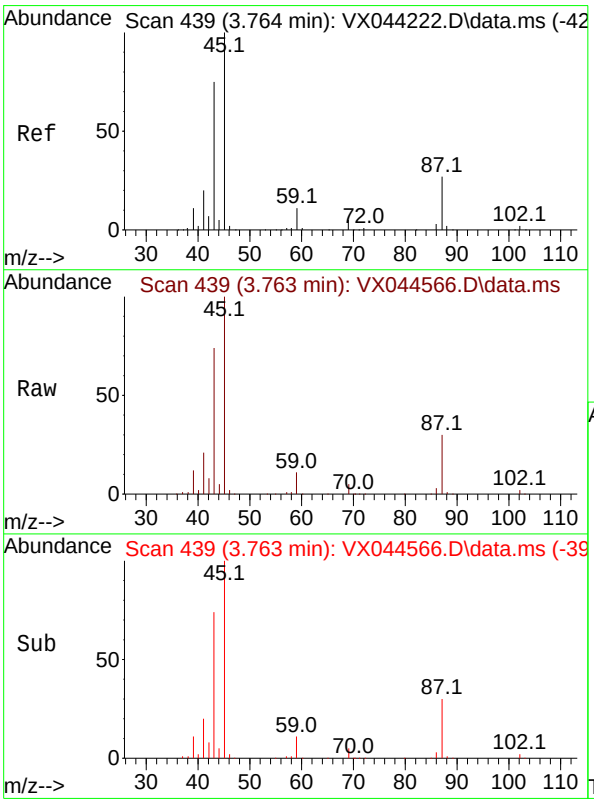
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

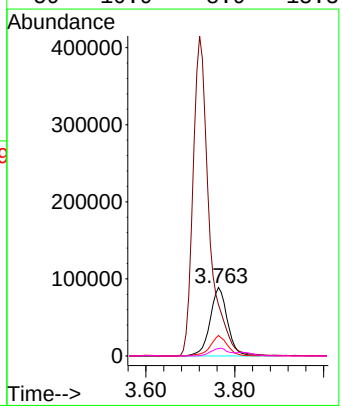


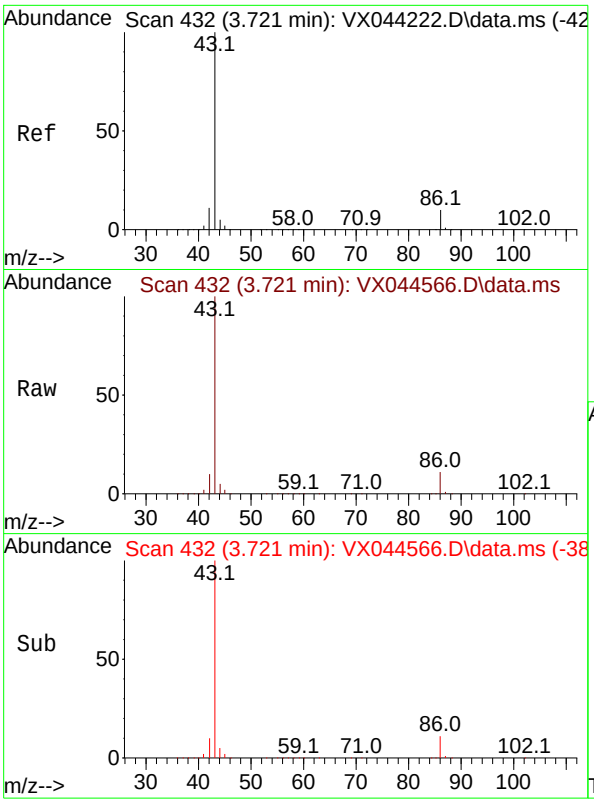


#22
Diisopropyl ether
Concen: 42.621 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 45 Resp: 241729

Ion	Ratio	Lower	Upper
45	100		
43	74.2	60.2	90.2
87	29.9	21.2	31.8
59	10.9	8.9	13.3





#23
Vinyl Acetate
Concen: 228.196 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 43 Resp: 105222

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.2	12.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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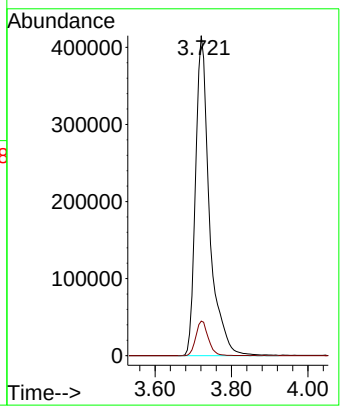
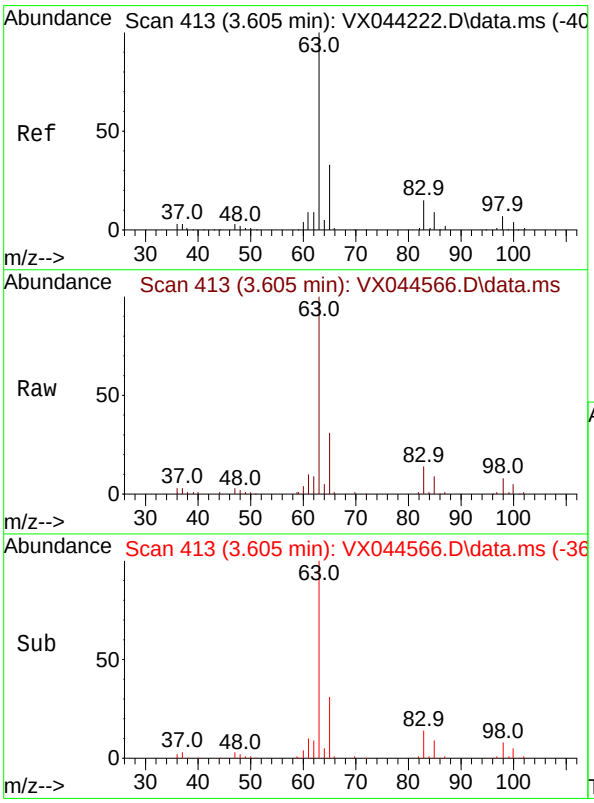
Supervised By :Mahesh Dadoda 12/31/2024

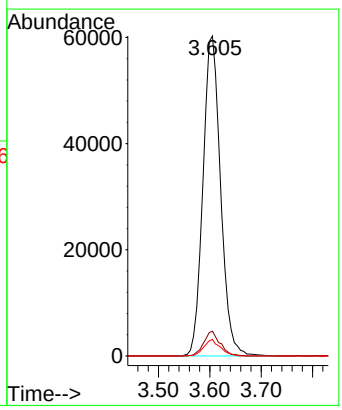


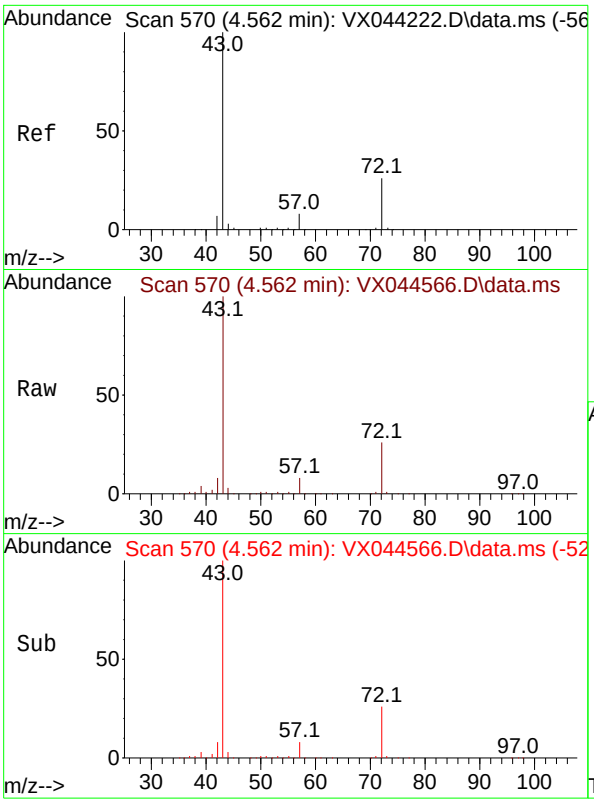


#24
1,1-Dichloroethane
Concen: 45.434 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 63 Resp: 143640

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.6	10.8
100	5.2	2.1	6.3





#25
2-Butanone
Concen: 214.237 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 43 Resp: 29370

Ion	Ratio	Lower	Upper
43	100		
72	25.8	20.2	30.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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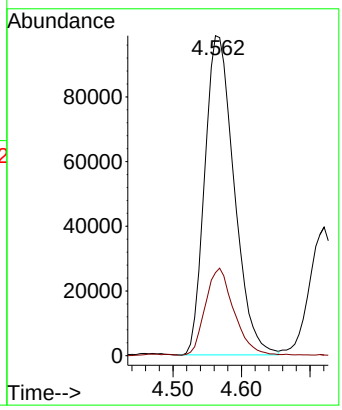
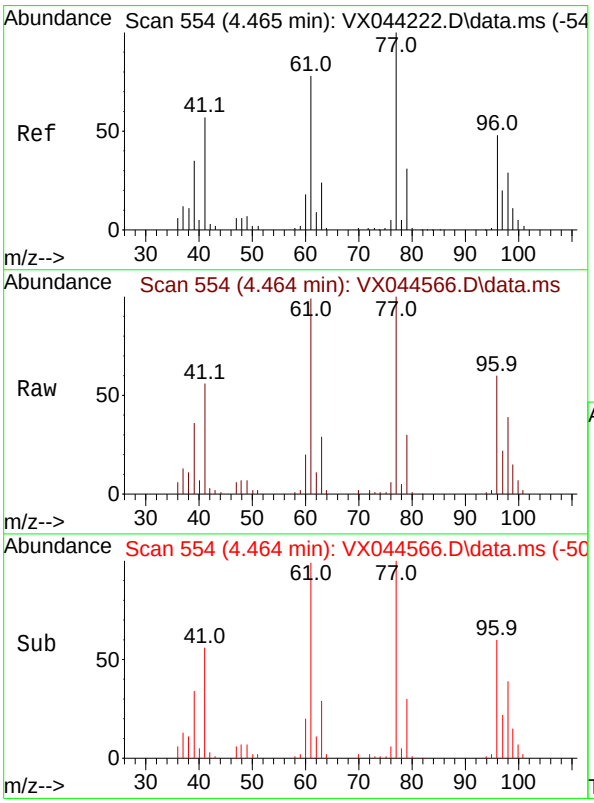
Supervised By :Mahesh Dadoda 12/31/2024

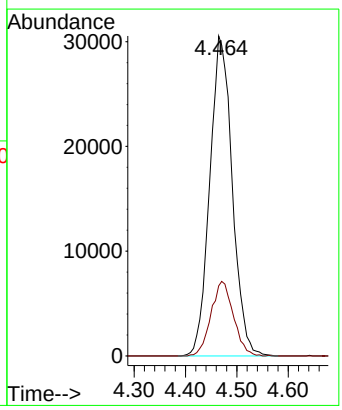


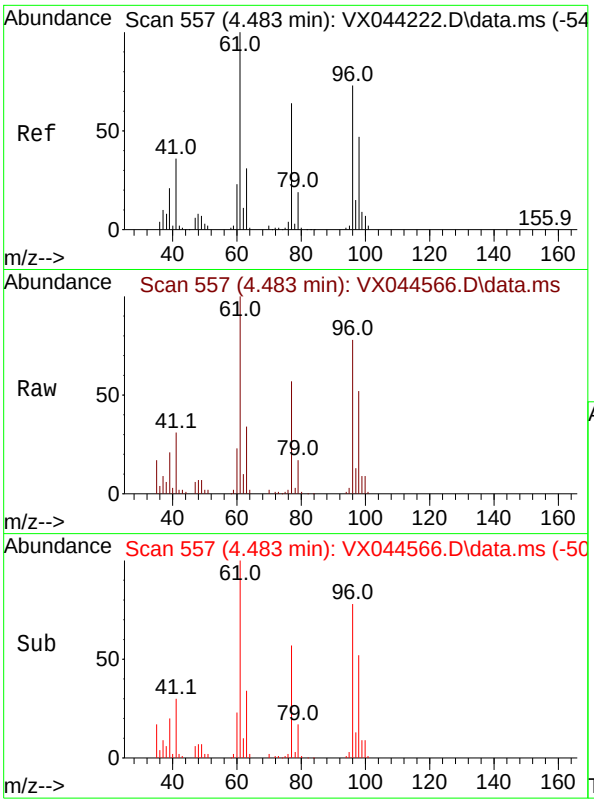


#26
2,2-Dichloropropane
Concen: 36.132 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 77 Resp: 92800

Ion	Ratio	Lower	Upper
77	100		
97	23.3	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 45.097 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 96 Resp: 9204

Ion	Ratio	Lower	Upper
96	100		
61	136.8	0.0	299.0
98	65.9	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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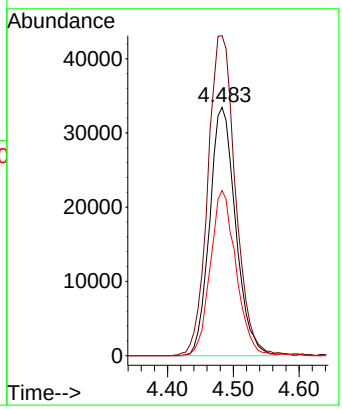
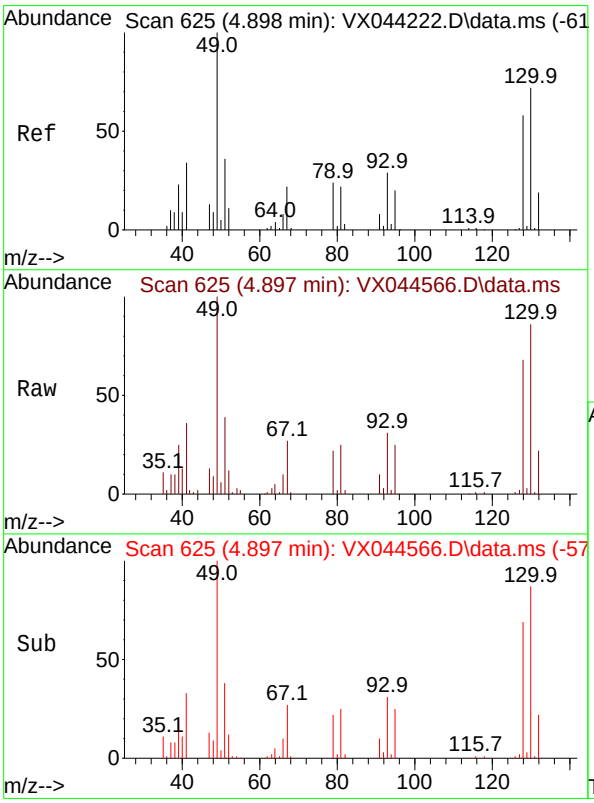
Supervised By :Mahesh Dadoda 12/31/2024

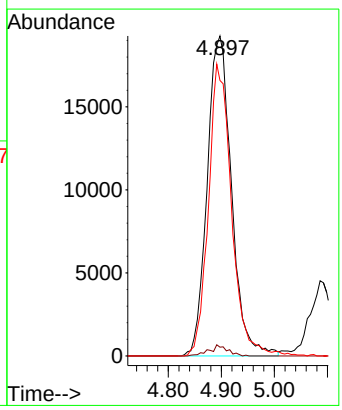


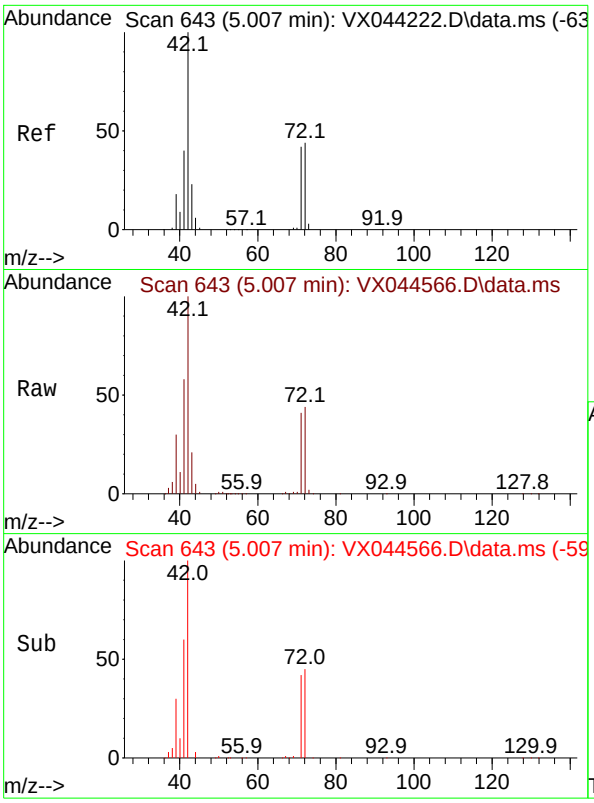


#28
Bromochloromethane
Concen: 39.585 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 49 Resp: 61368

Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.2
130	86.1	62.1	93.1





#29
Tetrahydrofuran
Concen: 212.969 ug/l
RT: 5.007 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 42 Resp: 18740

Ion	Ratio	Lower	Upper
42	100		
72	47.4	37.0	55.6
71	43.8	33.6	50.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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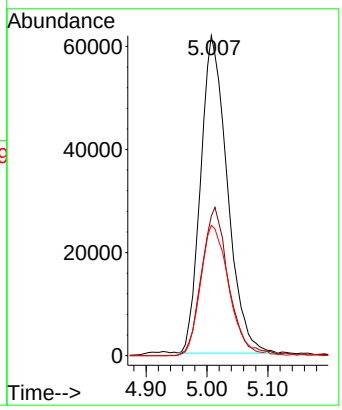
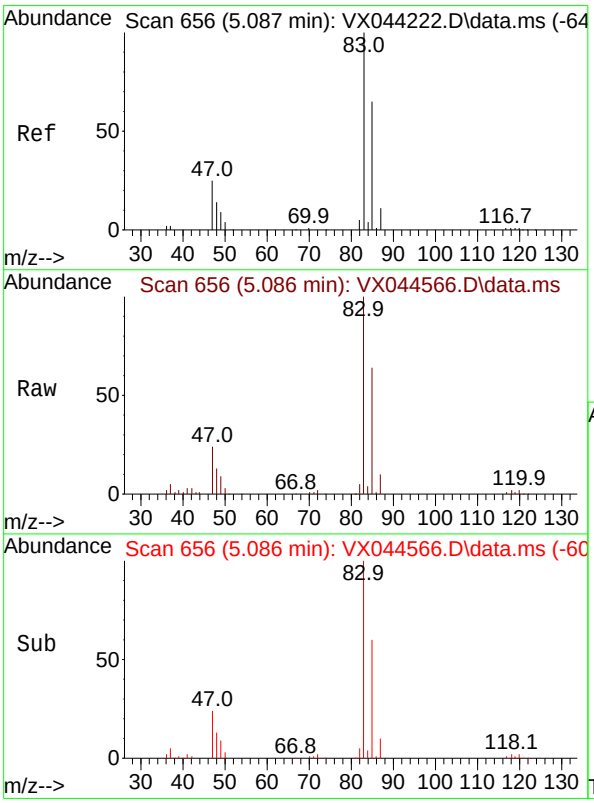
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

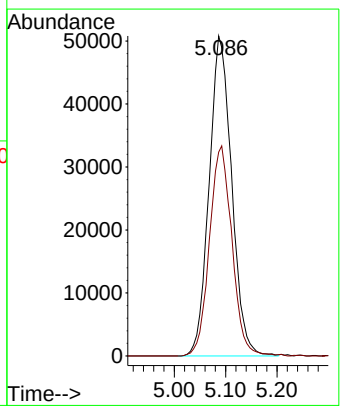


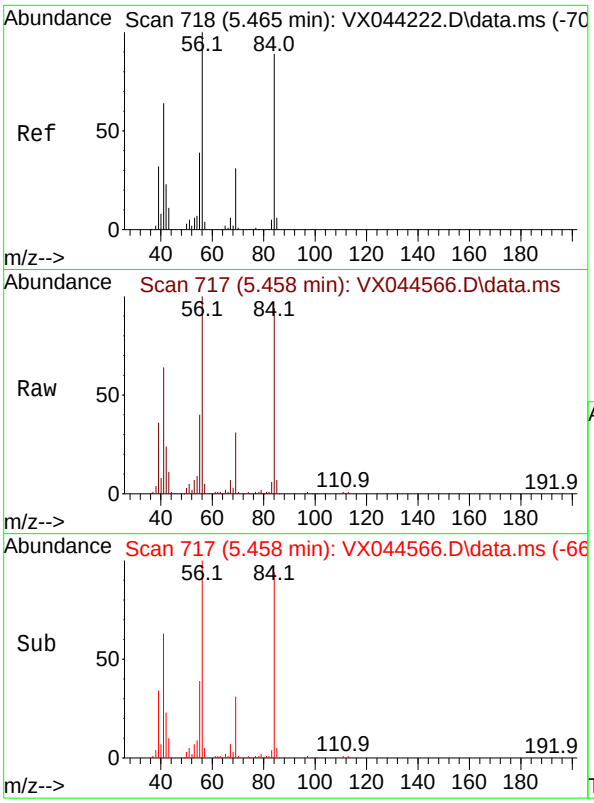


#30
Chloroform
Concen: 43.510 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 83 Resp: 154551

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.6	77.4





#31
Cyclohexane
Concen: 41.915 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 56 Resp: 10700

Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.7	37.1
84	91.1	71.0	106.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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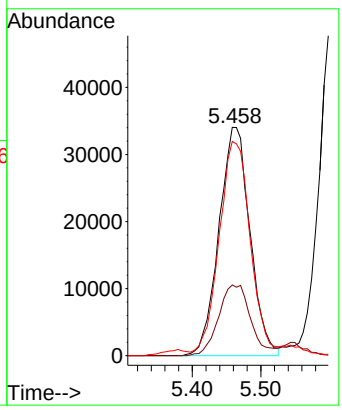
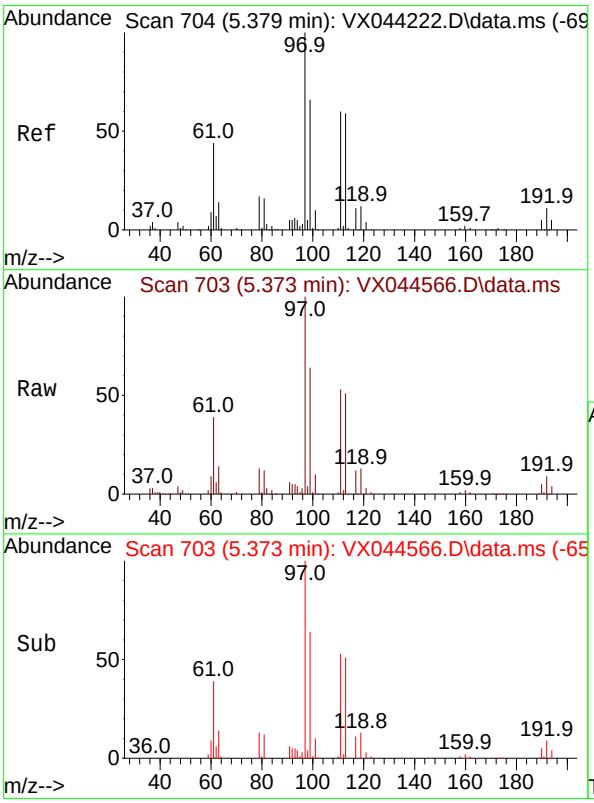
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

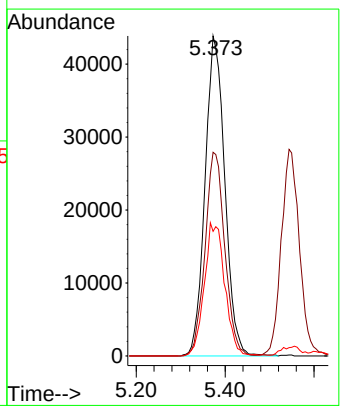


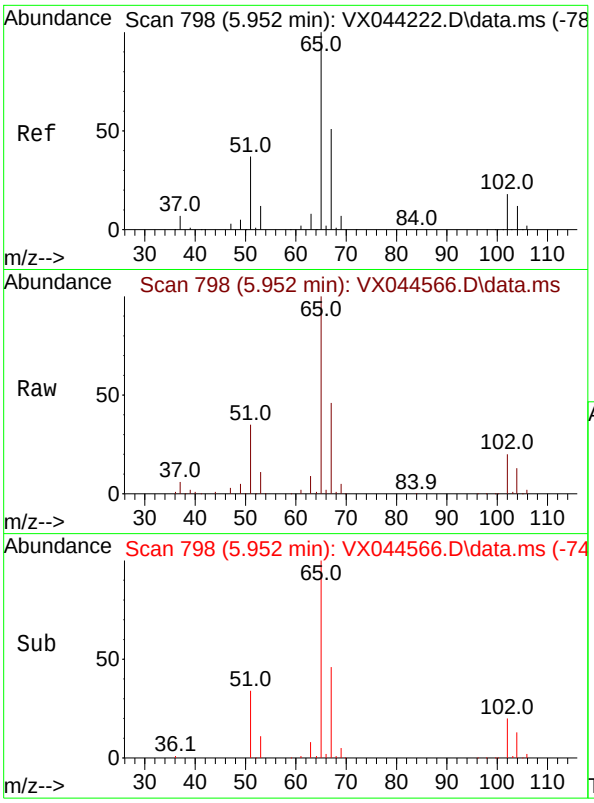


#32
1,1,1-Trichloroethane
Concen: 46.002 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 97 Resp: 135637

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.8	76.2
61	43.3	35.2	52.8





#33
1,2-Dichloroethane-d4
Concen: 41.150 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 65 Resp: 9733

Ion	Ratio	Lower	Upper
65	100		
67	49.0	0.0	101.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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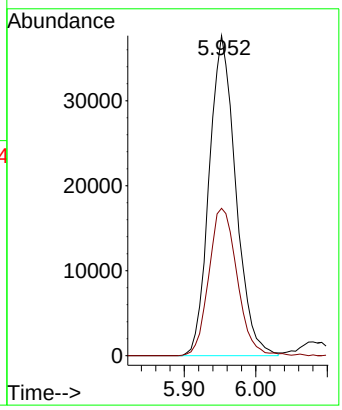
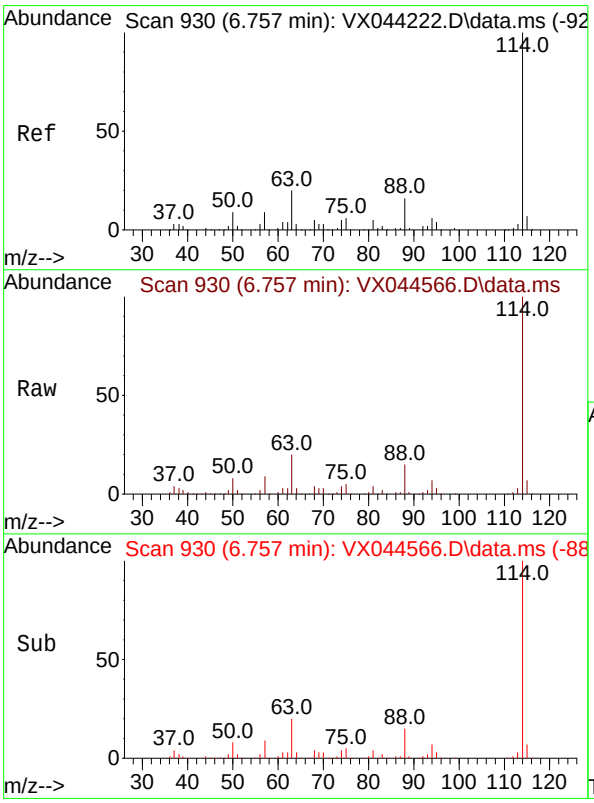
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

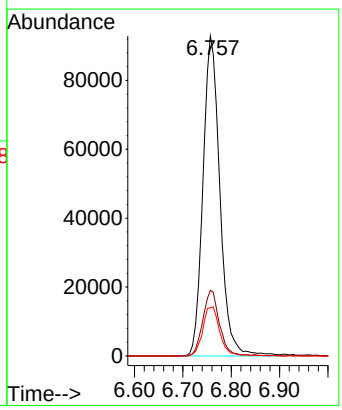


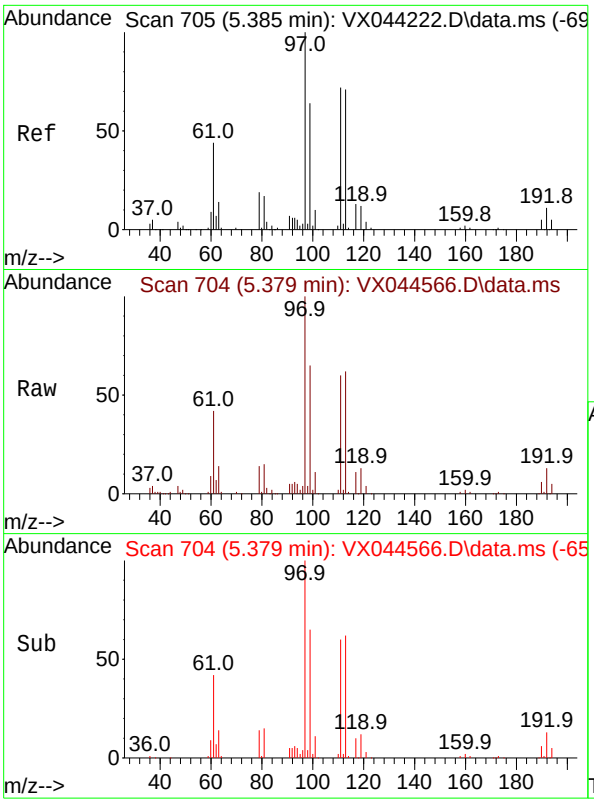


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:114 Resp: 225955

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.6
88	15.0	0.0	31.8





#35
Dibromofluoromethane
Concen: 49.905 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:113 Resp: 7809

Ion	Ratio	Lower	Upper
113	100		
111	100.7	80.4	120.6
192	18.9	13.3	19.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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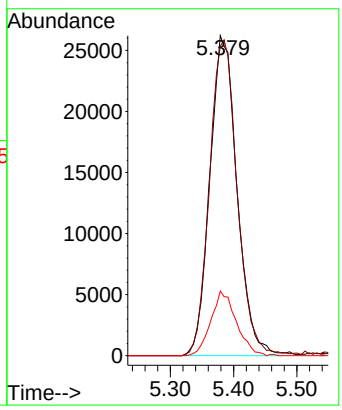
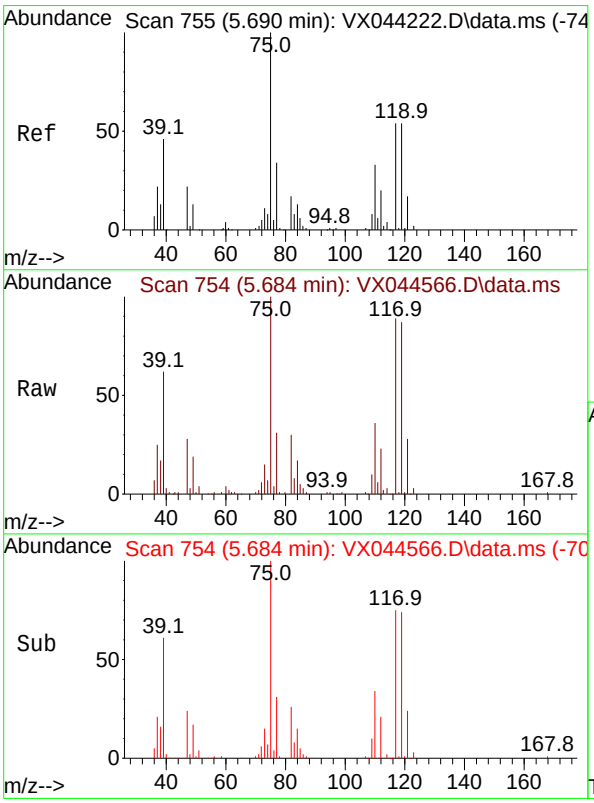
Supervised By :Mahesh Dadoda 12/31/2024

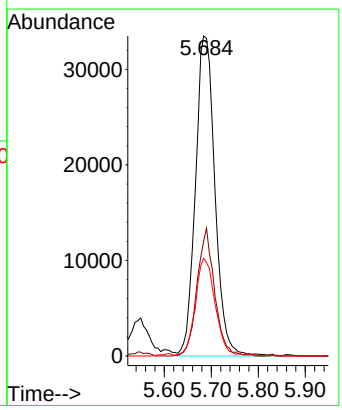


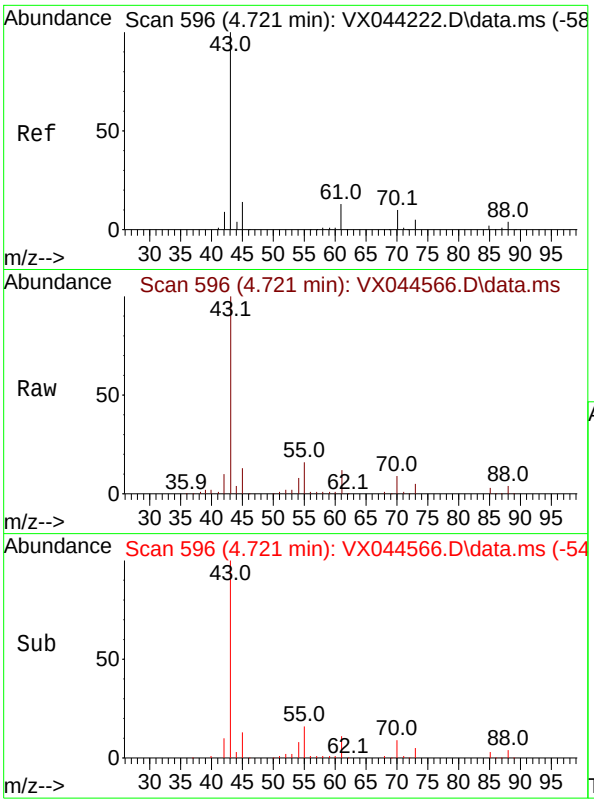


#36
1,1-Dichloropropene
Concen: 47.753 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 75 Resp: 96599

Ion	Ratio	Lower	Upper
75	100		
110	36.1	17.3	51.7
77	31.1	25.4	38.0





#37
Ethyl Acetate
Concen: 46.024 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 11508

Ion	Ratio	Lower	Upper
43	100		
61	13.6	9.8	14.8
70	10.0	7.7	11.5

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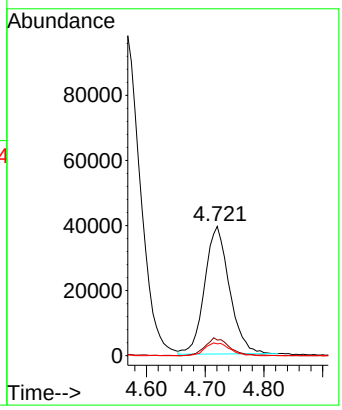
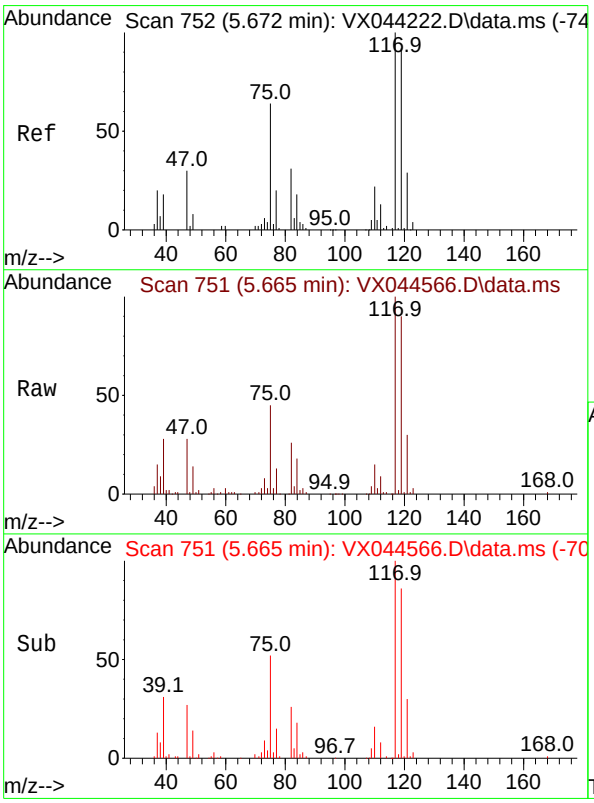
Supervised By :Mahesh Dadoda 12/31/2024

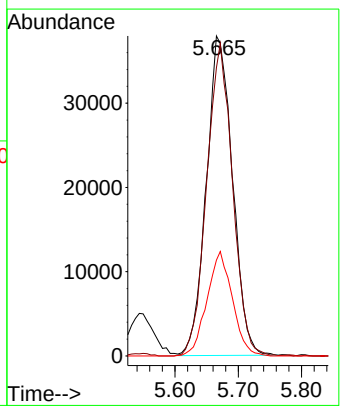


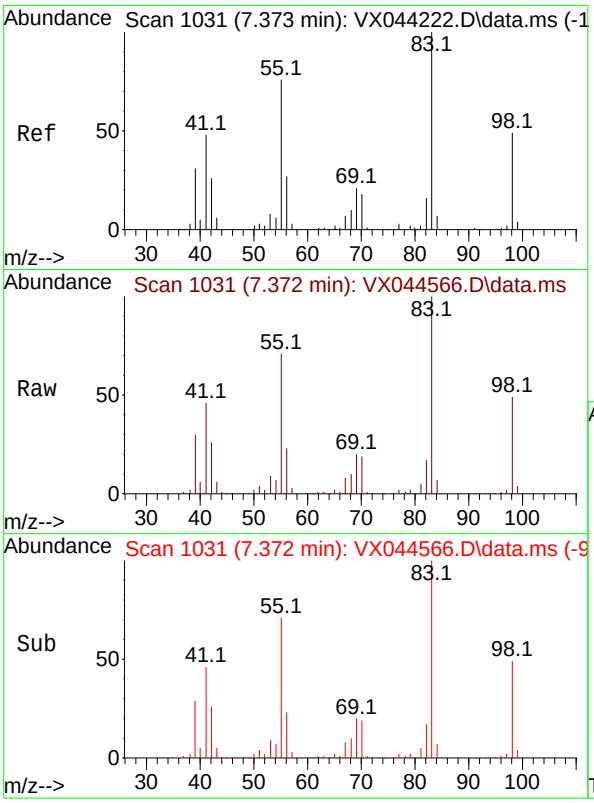


#38
Carbon Tetrachloride
Concen: 50.199 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:117 Resp: 109326

Ion	Ratio	Lower	Upper
117	100		
119	90.1	74.2	111.4
121	30.0	23.0	34.6





#39
Methylcyclohexane
Concen: 47.948 ug/l
RT: 7.372 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 83 Resp: 11595

Ion	Ratio	Lower	Upper
83	100		
55	71.3	60.7	91.1
98	49.2	38.9	58.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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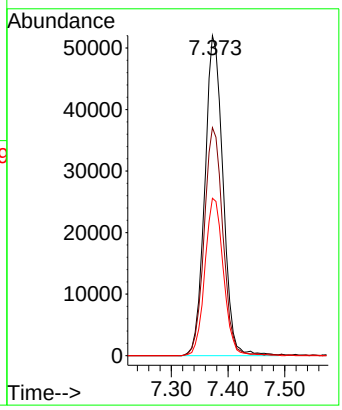
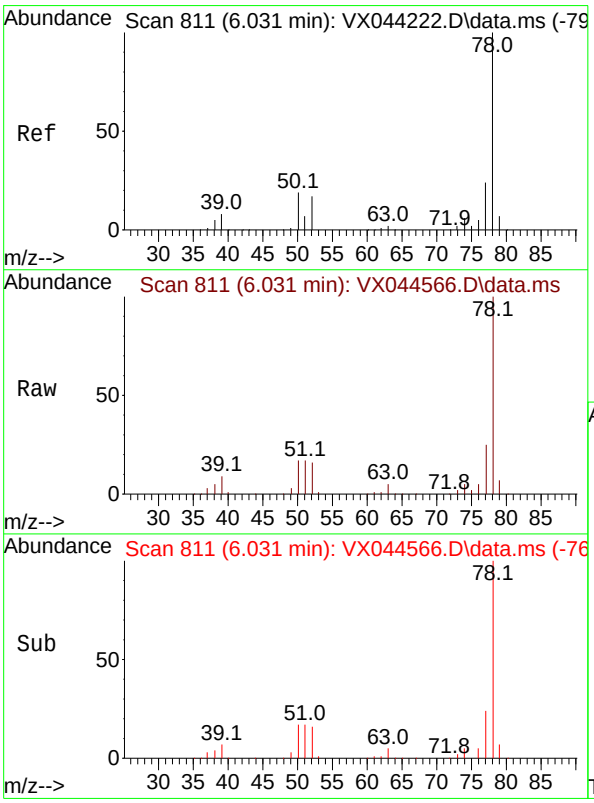
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

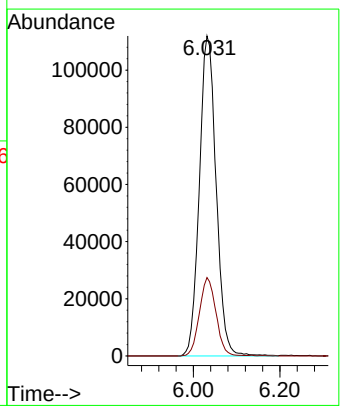


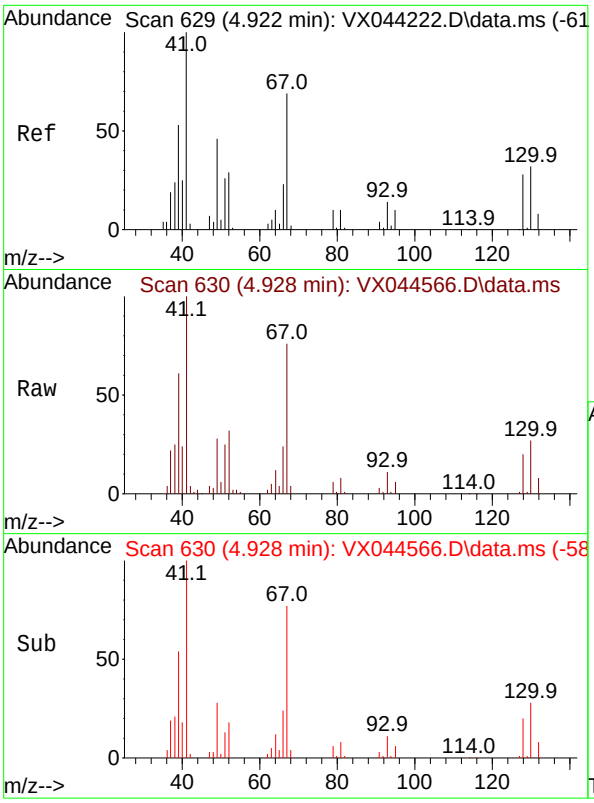


#40
Benzene
Concen: 49.074 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 78 Resp: 301408

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.3	28.9





#41
Methacrylonitrile
Concen: 46.035 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 6112

Ion	Ratio	Lower	Upper
41	100		
39	57.9	44.2	66.4
67	76.4	57.2	85.8
52	34.2	24.6	37.0

Manual Integrations
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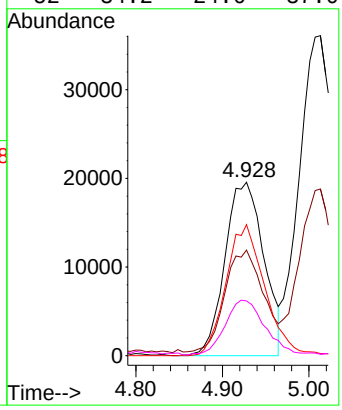
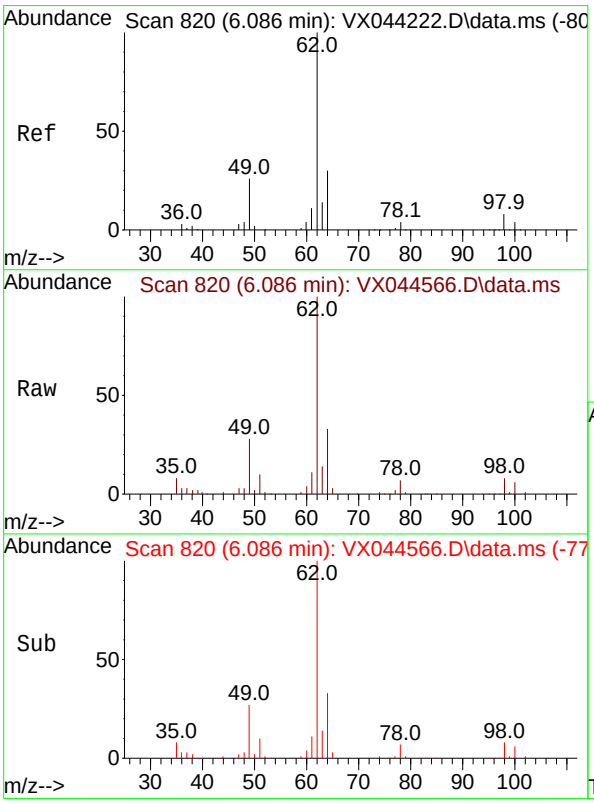
Supervised By :Mahesh Dadoda 12/31/2024

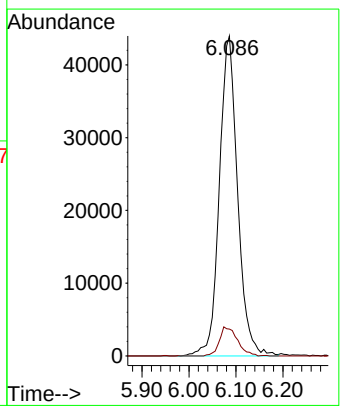


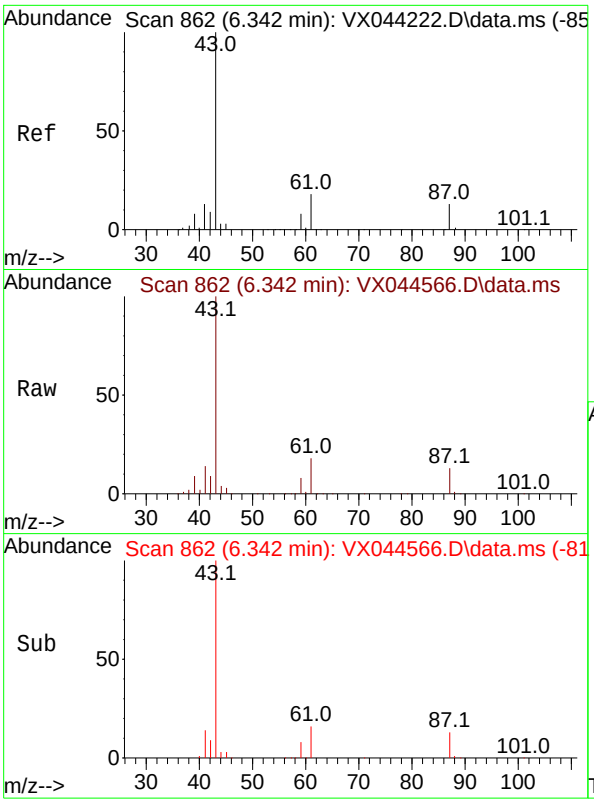


#42
1,2-Dichloroethane
Concen: 46.987 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 62 Resp: 118878

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	15.8





#43
Isopropyl Acetate
Concen: 47.508 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 43 Resp: 18567

Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.2	21.2
87	13.9	10.2	15.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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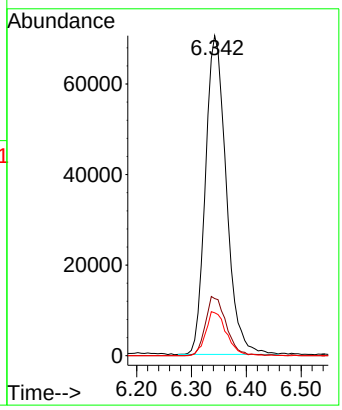
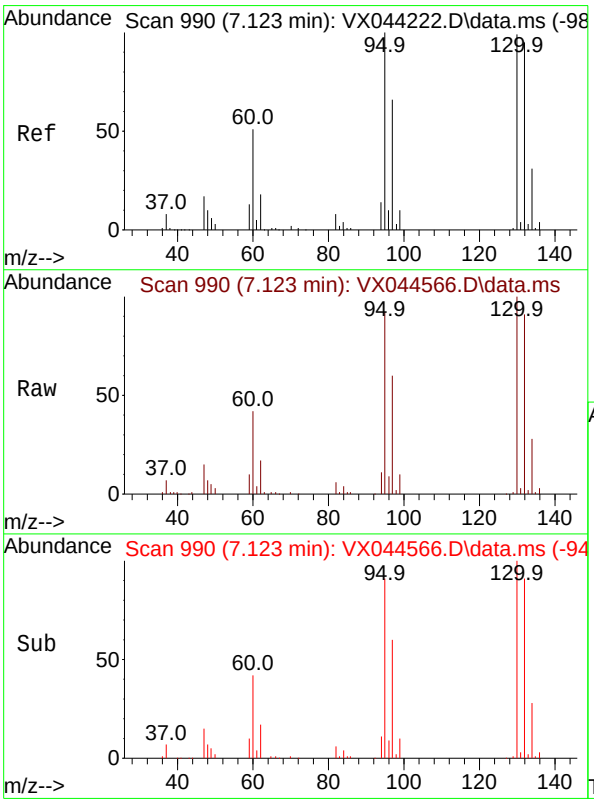
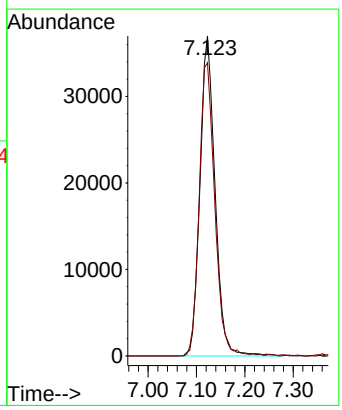


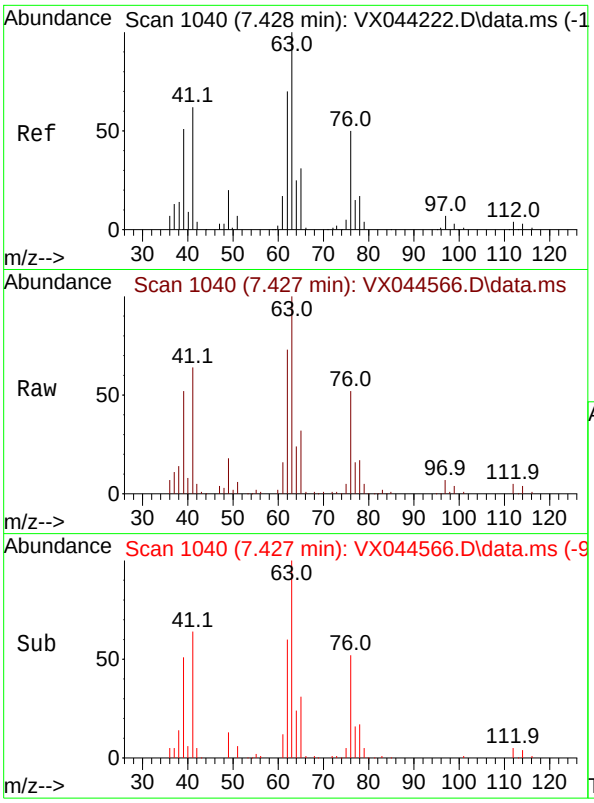


#44
Trichloroethene
Concen: 52.249 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:130 Resp: 80026

Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	201.4





#45
1,2-Dichloropropane
Concen: 47.708 ug/l
RT: 7.427 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 7486(

Ion	Ratio	Lower	Upper
63	100		
65	32.4	24.6	37.0

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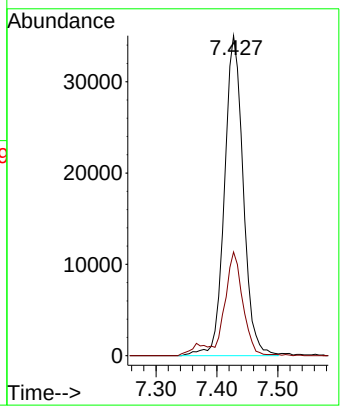
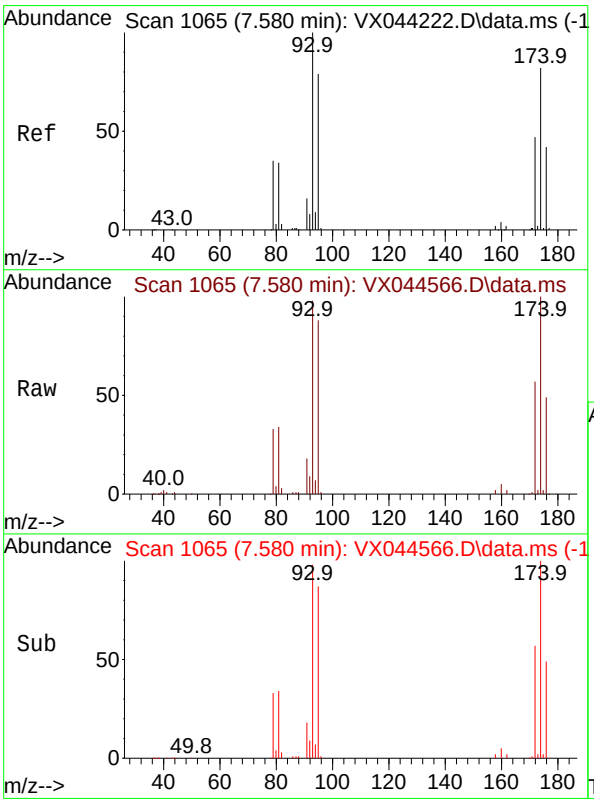
Supervised By :Mahesh Dadoda 12/31/2024

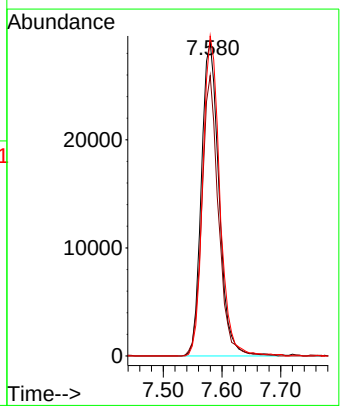


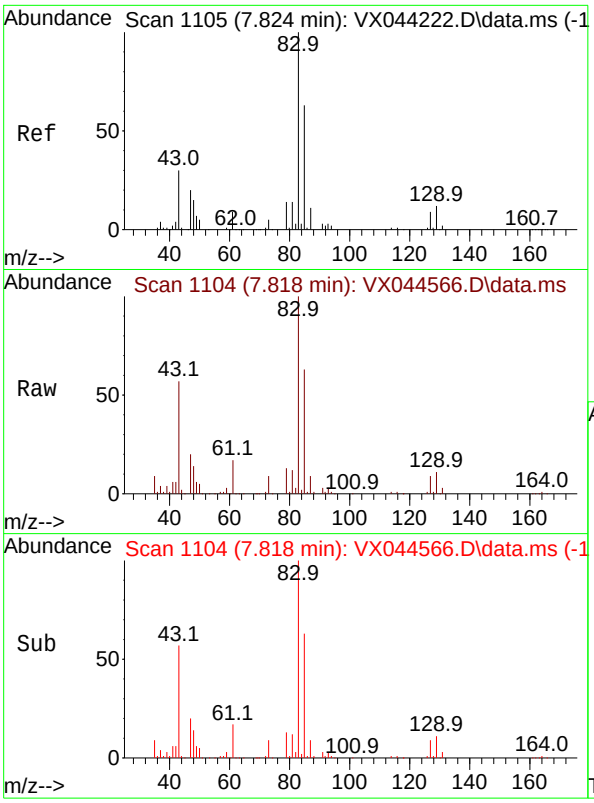


#46
Dibromomethane
Concen: 49.490 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 93 Resp: 60246

Ion	Ratio	Lower	Upper
93	100		
95	84.4	65.4	98.2
174	99.3	67.9	101.9





#47
Bromodichloromethane
Concen: 51.396 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 83 Resp: 10805

Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.6	75.8
127	8.9	7.3	10.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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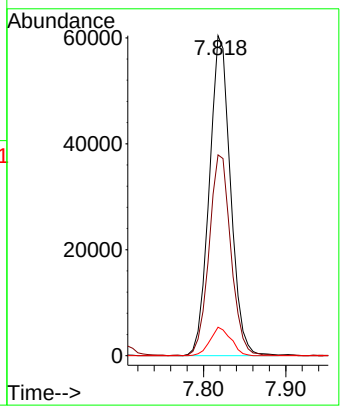
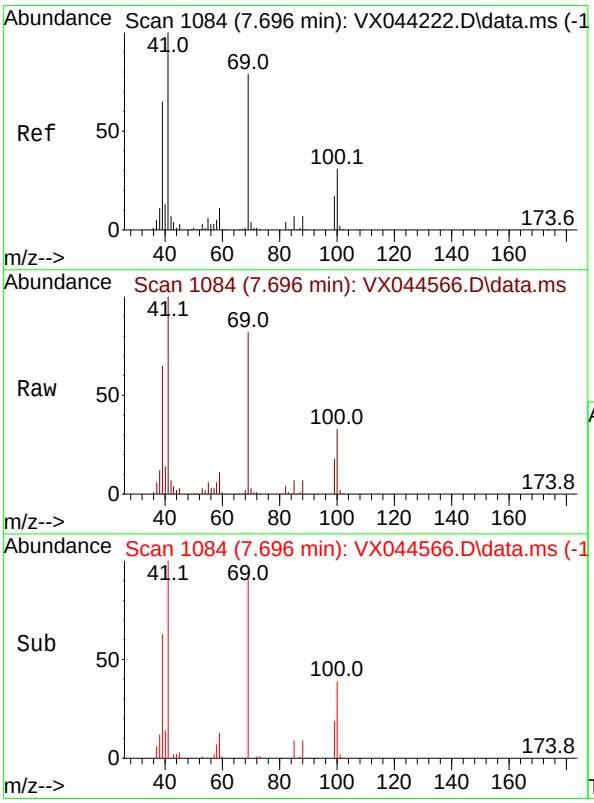
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

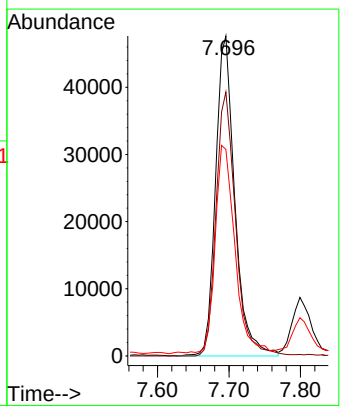


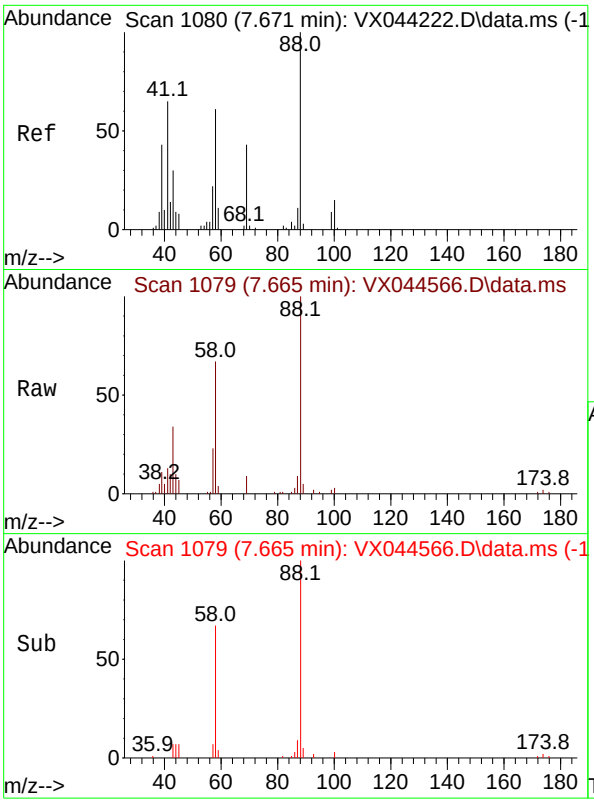


#48
Methyl methacrylate
Concen: 46.878 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 41 Resp: 88938

Ion	Ratio	Lower	Upper
41	100		
69	83.9	62.4	93.6
39	65.9	53.3	79.9





#49
1,4-Dioxane
Concen: 913.462 ug/l
RT: 7.665 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 2873

Ion	Ratio	Lower	Upper
88	100		
43	37.4	27.1	40.7
58	80.2	41.0	61.4

Manual Integrations
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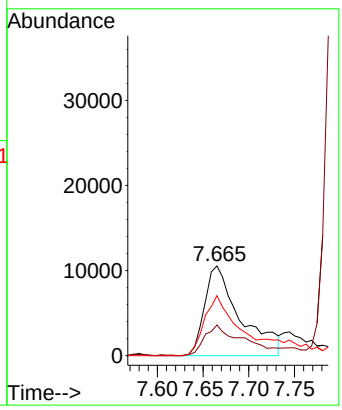
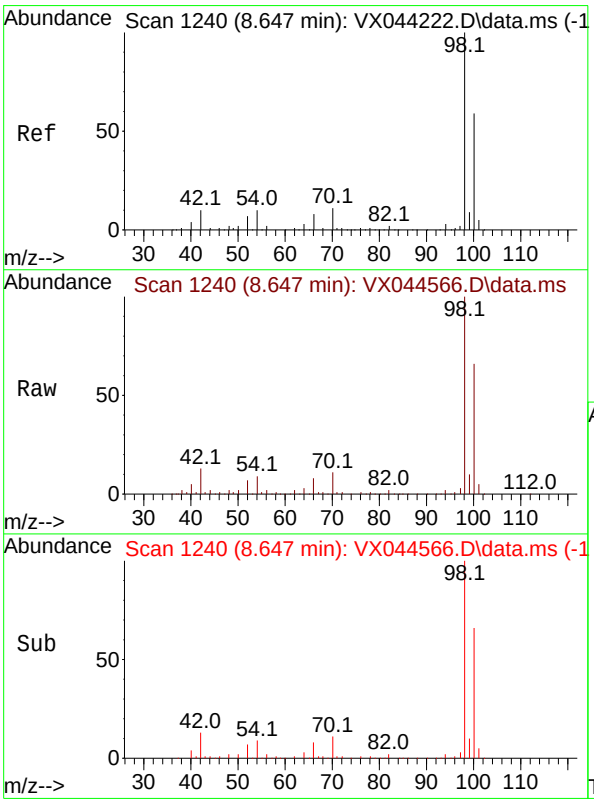
Supervised By :Mahesh Dadoda 12/31/2024

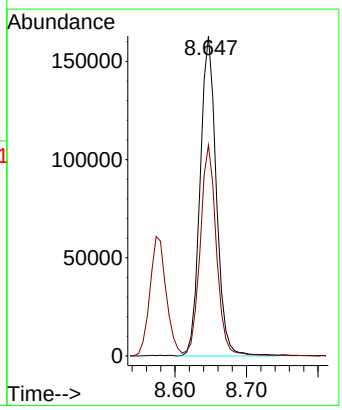


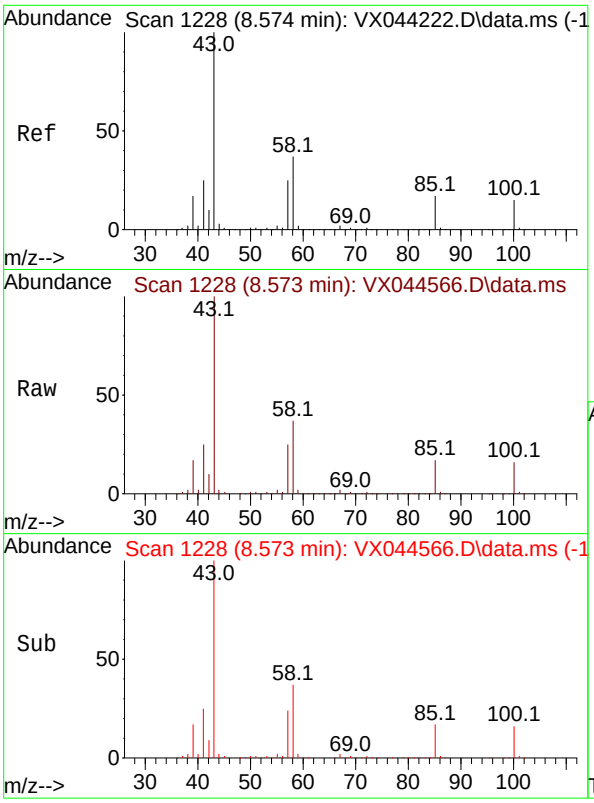


#50
Toluene-d8
Concen: 48.474 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 98 Resp: 255928

Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.5	77.3





#51
4-Methyl-2-Pentanone
Concen: 242.270 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 43 Resp: 60881

Ion	Ratio	Lower	Upper
43	100		
58	37.6	29.4	44.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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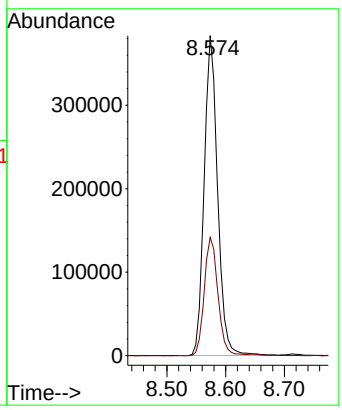
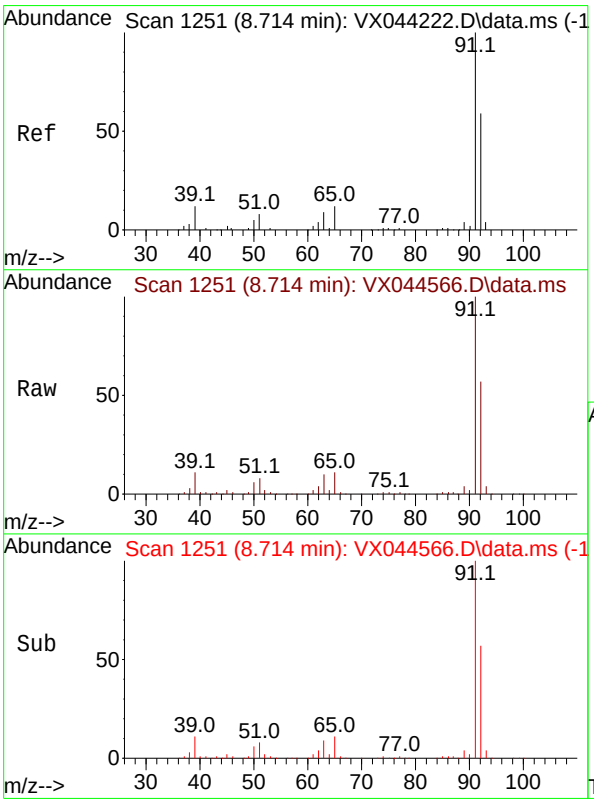
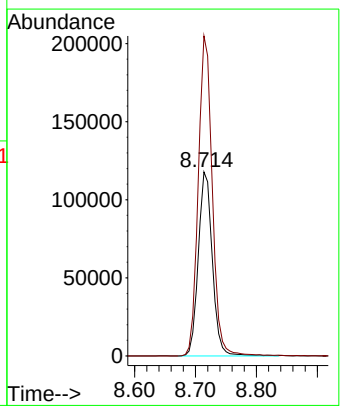


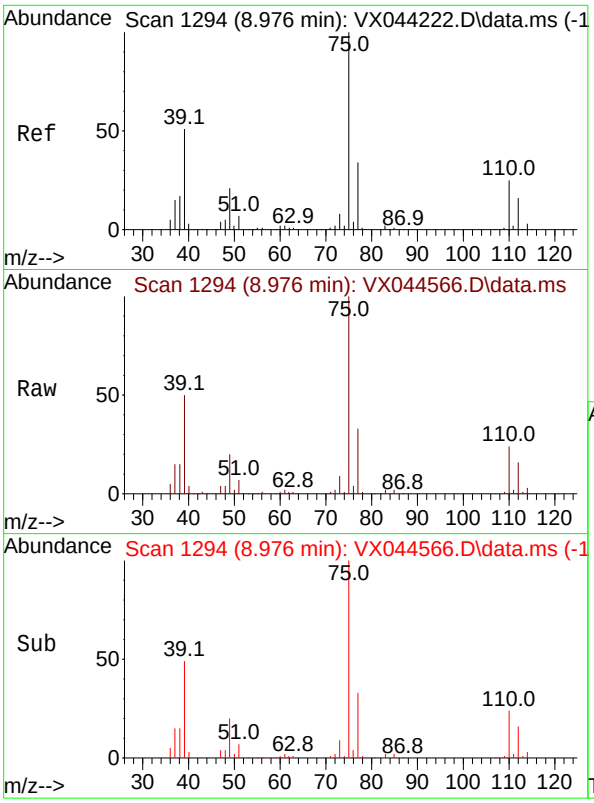


#52
Toluene
Concen: 48.888 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 92 Resp: 188560

Ion	Ratio	Lower	Upper
92	100		
91	173.7	137.0	205.6





#53
t-1,3-Dichloropropene
Concen: 46.134 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 75 Resp: 10352

Ion	Ratio	Lower	Upper
75	100		
77	33.1	27.2	40.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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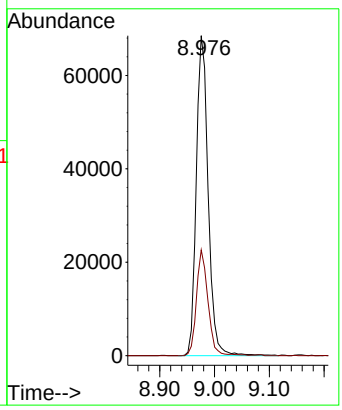
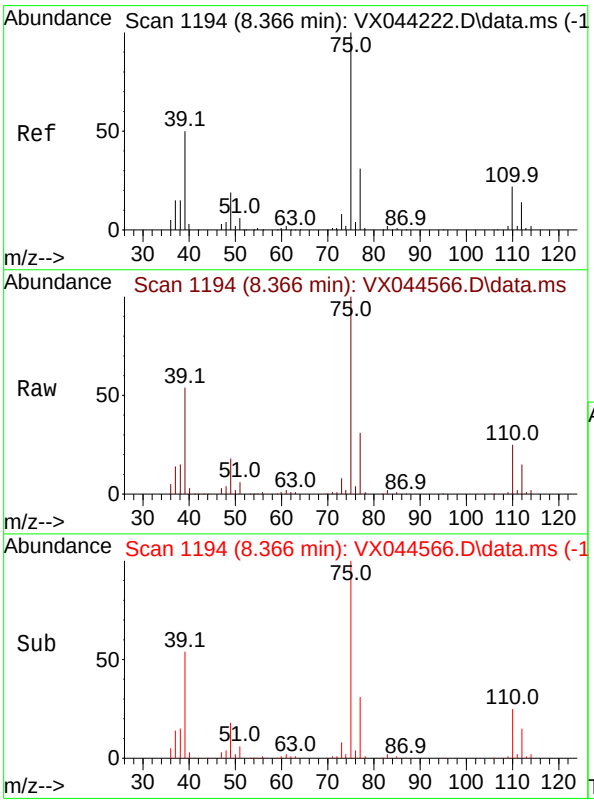
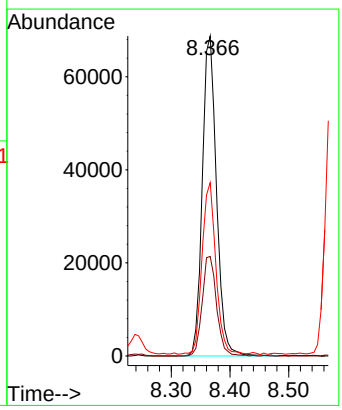


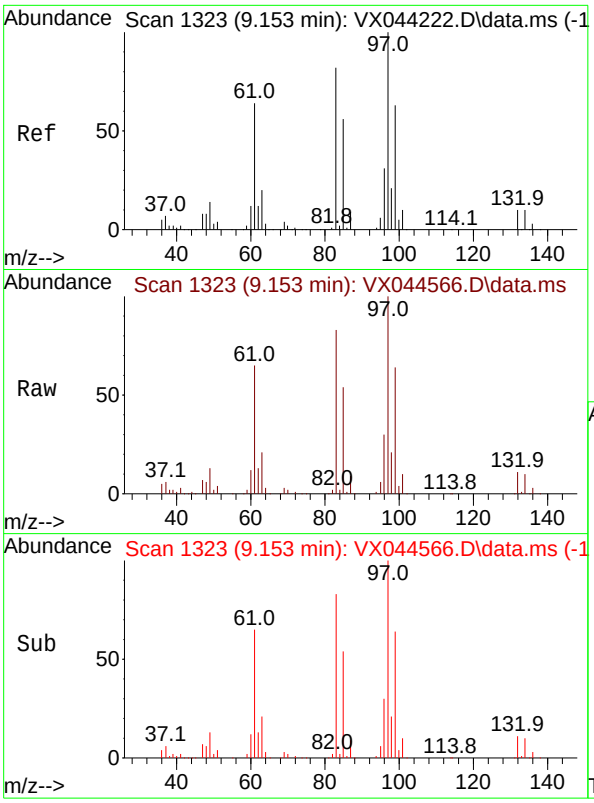


#54
cis-1,3-Dichloropropene
Concen: 50.320 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 75 Resp: 115192

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.7	37.1
39	53.6	40.3	60.5





#55
1,1,2-Trichloroethane
Concen: 51.778 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 7933

Ion	Ratio	Lower	Upper
97	100		
83	83.4	65.3	97.9
85	54.2	44.6	67.0
99	63.9	50.2	75.2

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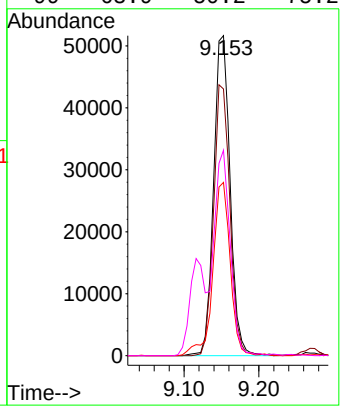
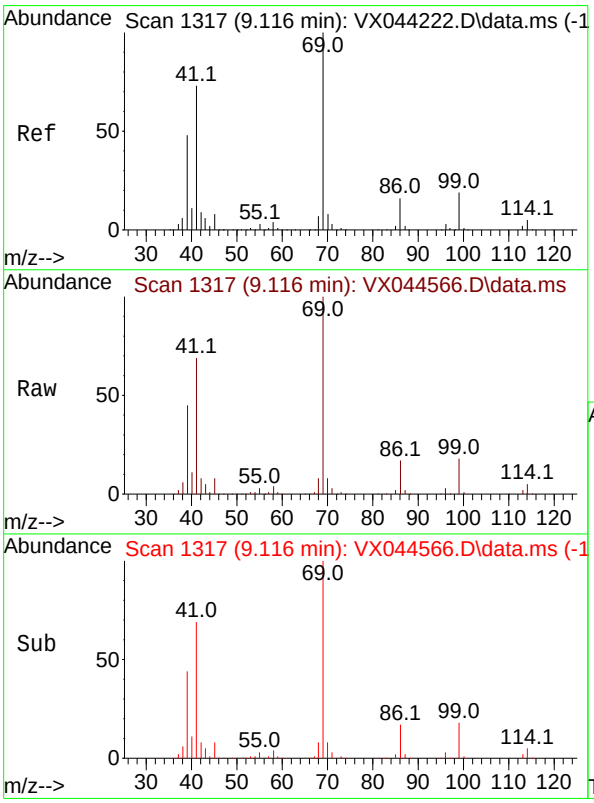
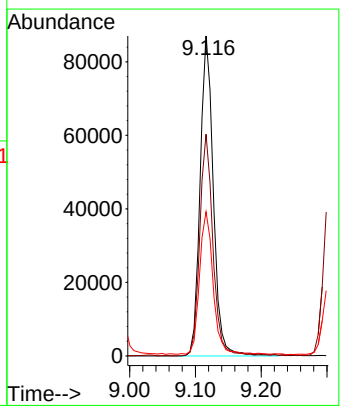


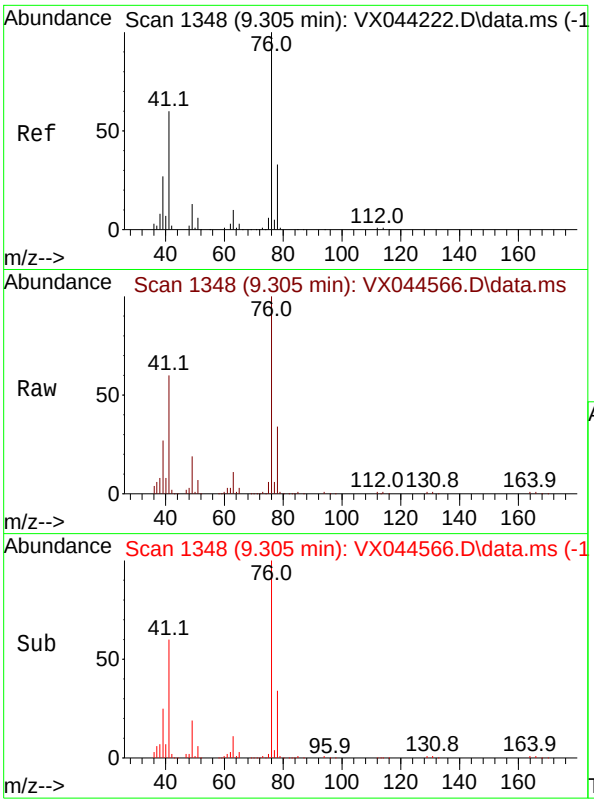


#56
Ethyl methacrylate
Concen: 50.372 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 69 Resp: 121845

Ion	Ratio	Lower	Upper
69	100		
41	68.8	56.6	85.0
39	45.6	37.4	56.0





#57
1,3-Dichloropropane
Concen: 49.051 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 76 Resp: 13081

Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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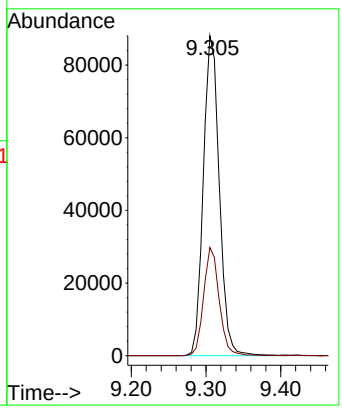
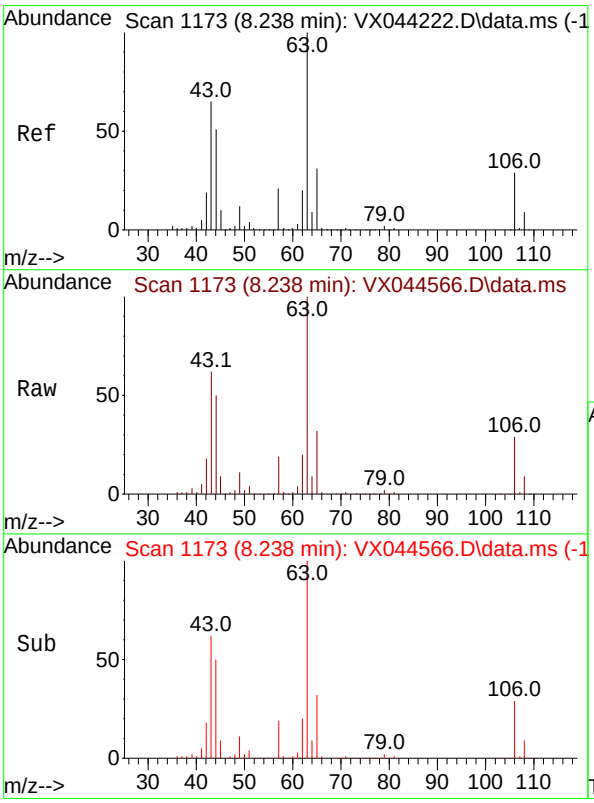
Supervised By :Mahesh Dadoda 12/31/2024

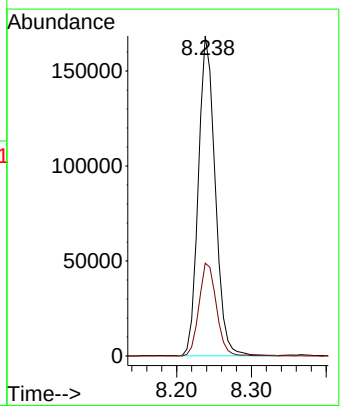


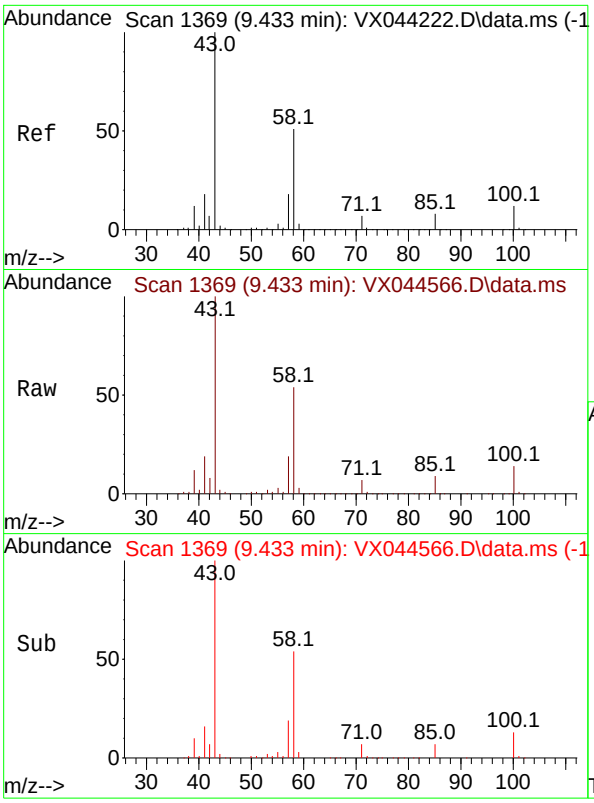


#58
2-Chloroethyl Vinyl ether
Concen: 215.466 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 63 Resp: 262876

Ion	Ratio	Lower	Upper
63	100		
106	30.0	22.8	34.2





#59
2-Hexanone
Concen: 247.299 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 43 Resp: 44982

Ion	Ratio	Lower	Upper
43	100		
58	52.5	25.7	77.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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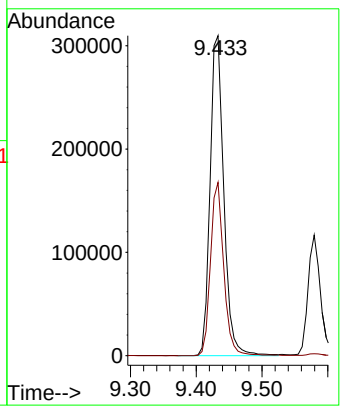
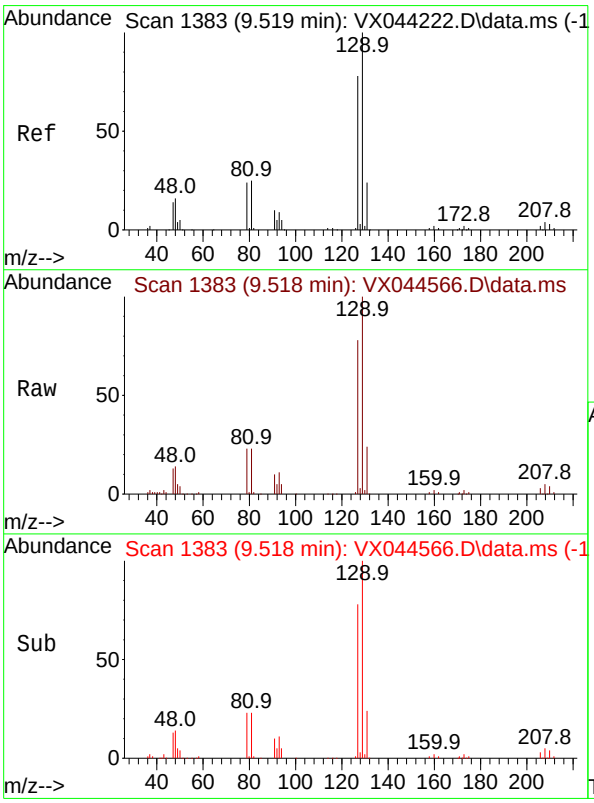
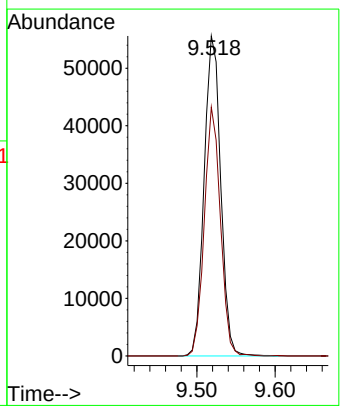


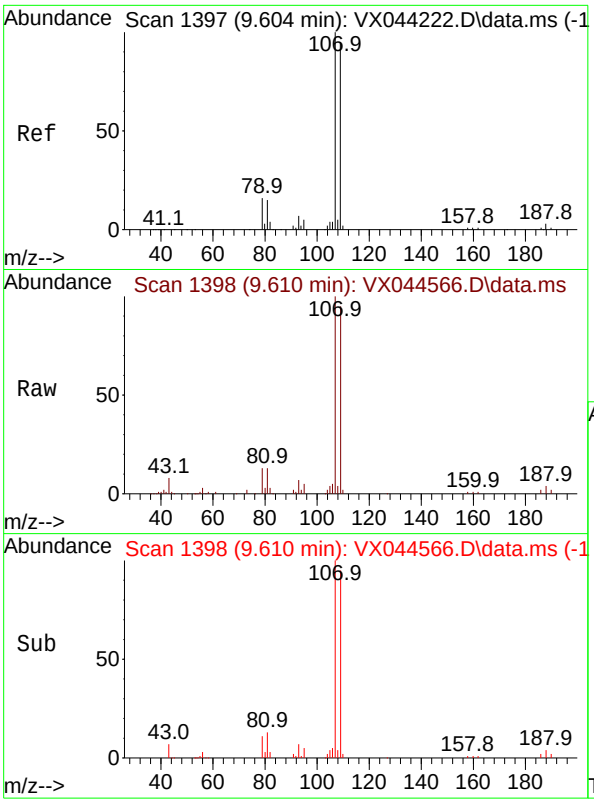


#60
Dibromochloromethane
Concen: 50.226 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:129 Resp: 81525

Ion	Ratio	Lower	Upper
129	100		
127	75.6	38.5	115.3





#61
1,2-Dibromoethane
Concen: 52.792 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:107 Resp: 8233

Ion	Ratio	Lower	Upper
107	100		
109	93.5	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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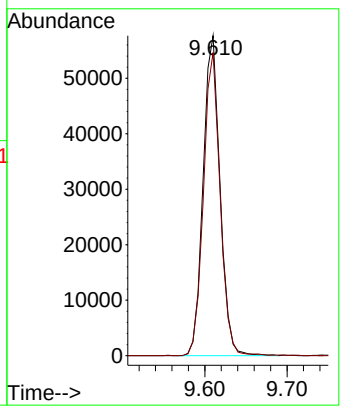
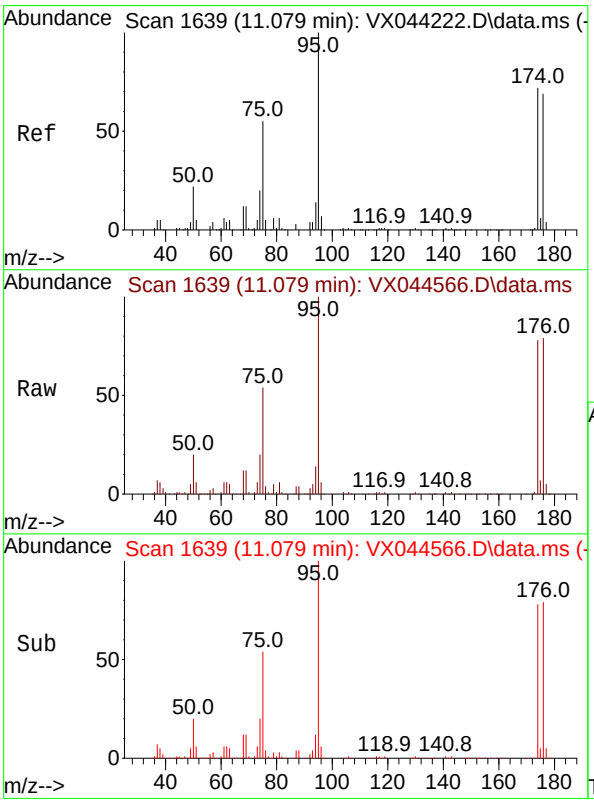
Supervised By :Mahesh Dadoda 12/31/2024

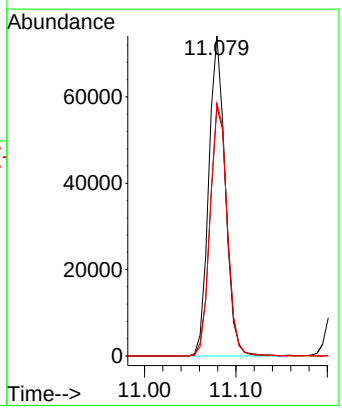


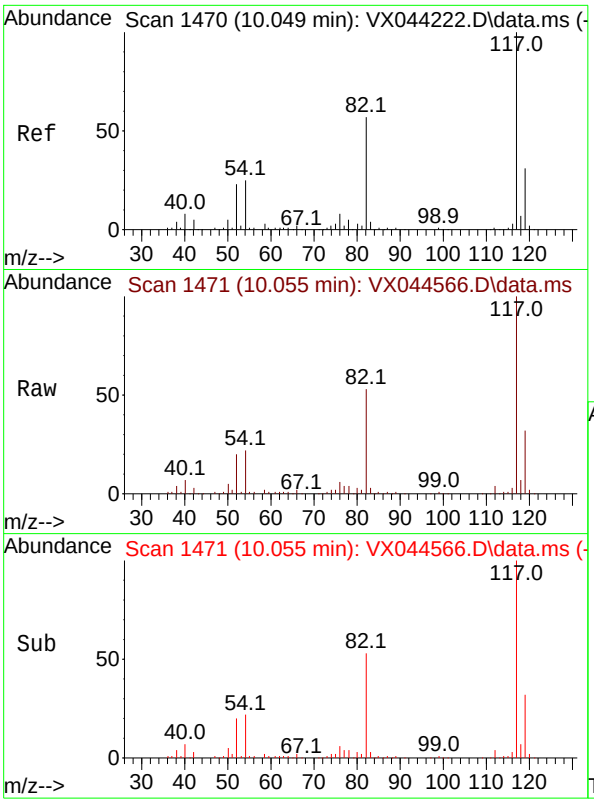


#62
4-Bromofluorobenzene
Concen: 50.190 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 95 Resp: 92593

Ion	Ratio	Lower	Upper
95	100		
174	81.3	0.0	145.8
176	81.2	0.0	137.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:117 Resp: 19968

Ion	Ratio	Lower	Upper
117	100		
82	53.0	45.8	68.8
119	32.0	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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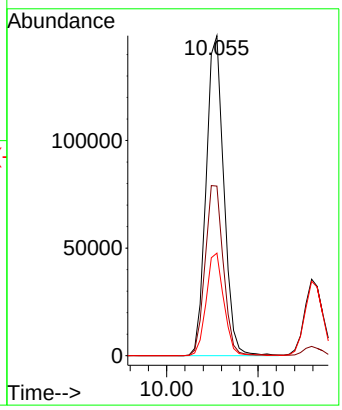
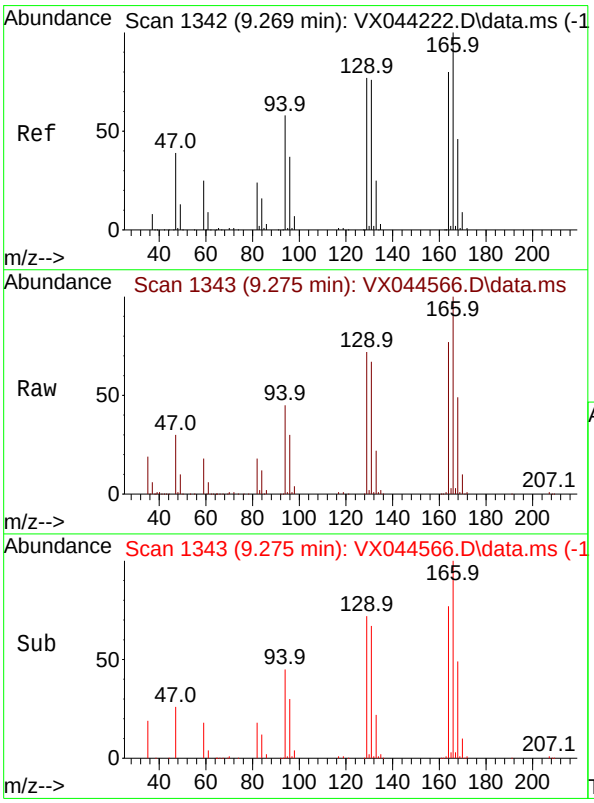
Supervised By :Mahesh Dadoda 12/31/2024

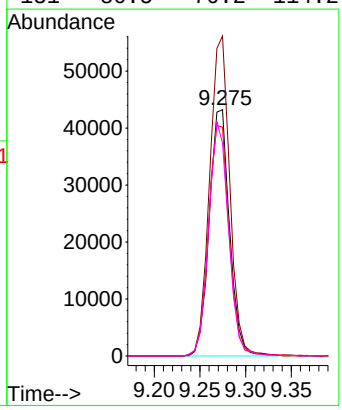


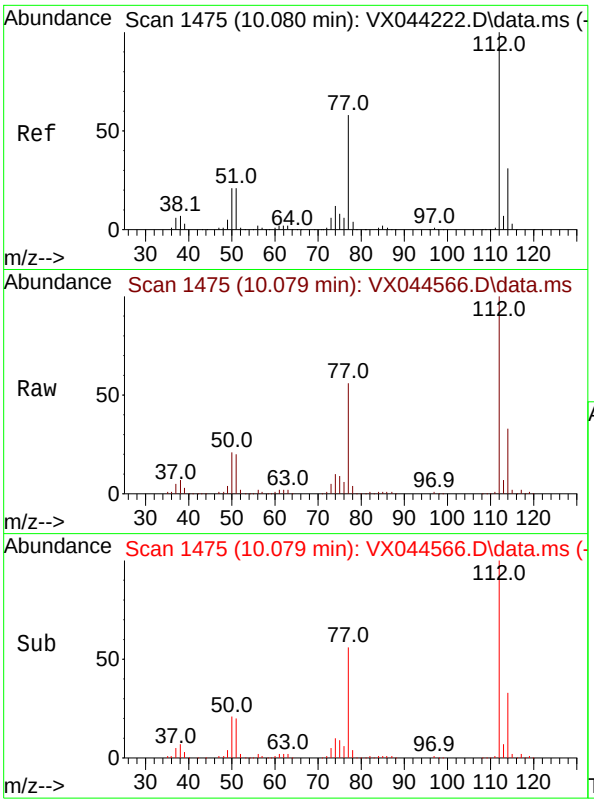


#64
Tetrachloroethene
Concen: 50.030 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:164 Resp: 66308

Ion	Ratio	Lower	Upper
164	100		
166	130.0	100.4	150.6
129	93.0	77.2	115.8
131	86.5	76.2	114.2





#65
Chlorobenzene
Concen: 49.789 ug/l
RT: 10.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:112 Resp: 21303

Ion	Ratio	Lower	Upper
112	100		
114	33.2	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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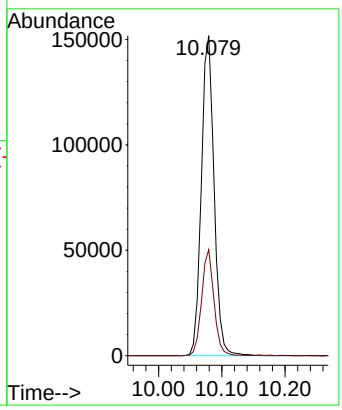
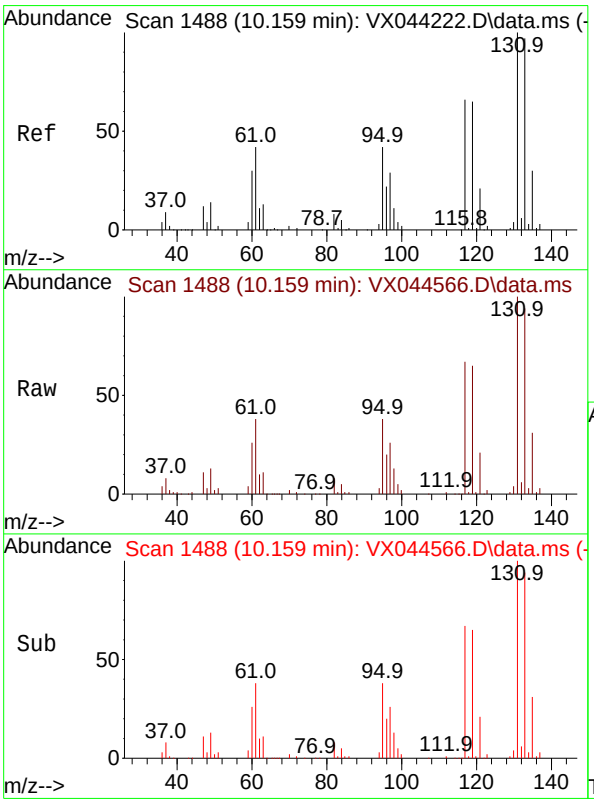
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

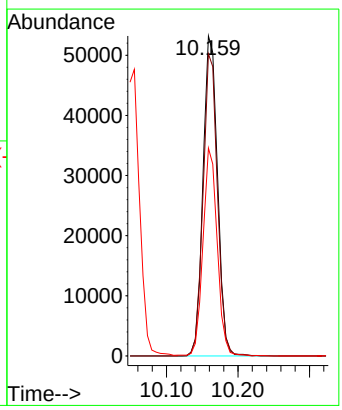


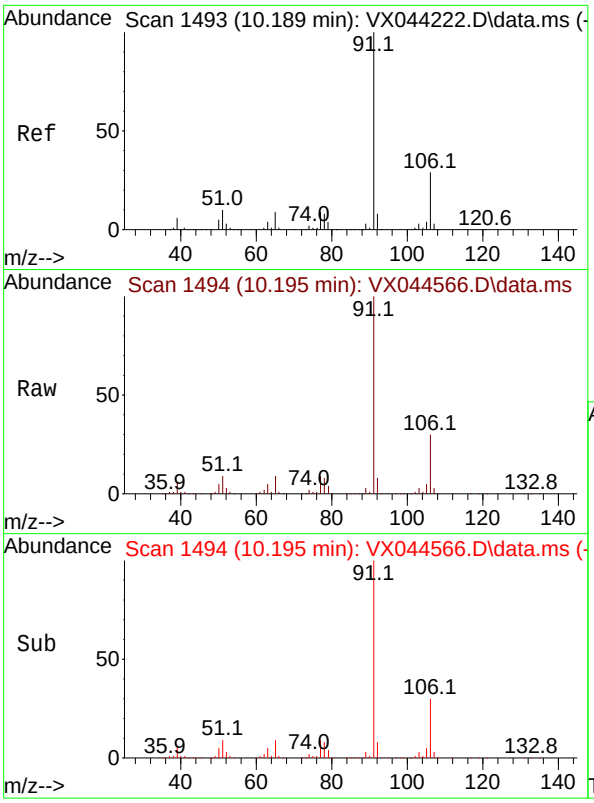


#66
1,1,1,2-Tetrachloroethane
Concen: 54.563 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:131 Resp: 75033

Ion	Ratio	Lower	Upper
131	100		
133	93.5	47.3	141.8
119	63.7	31.6	95.0





#67
Ethyl Benzene
Concen: 49.429 ug/l
RT: 10.195 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 91 Resp: 36543

Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.5	35.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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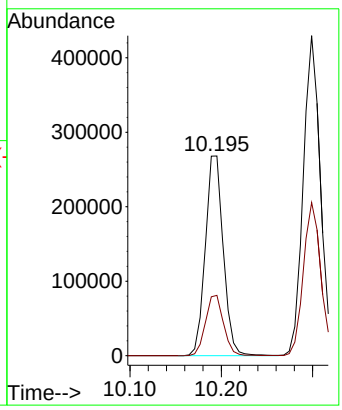
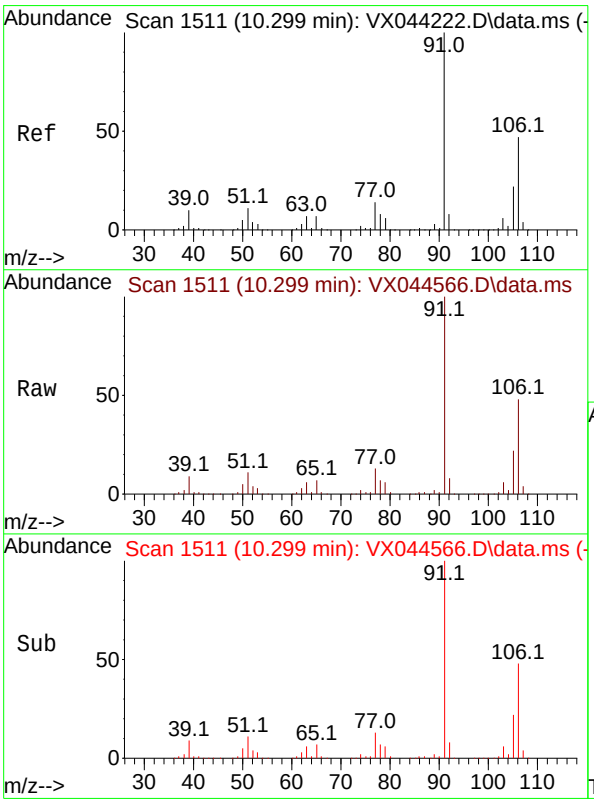
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

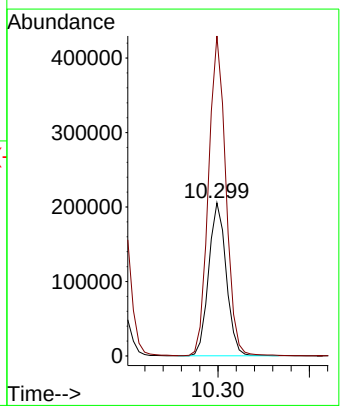


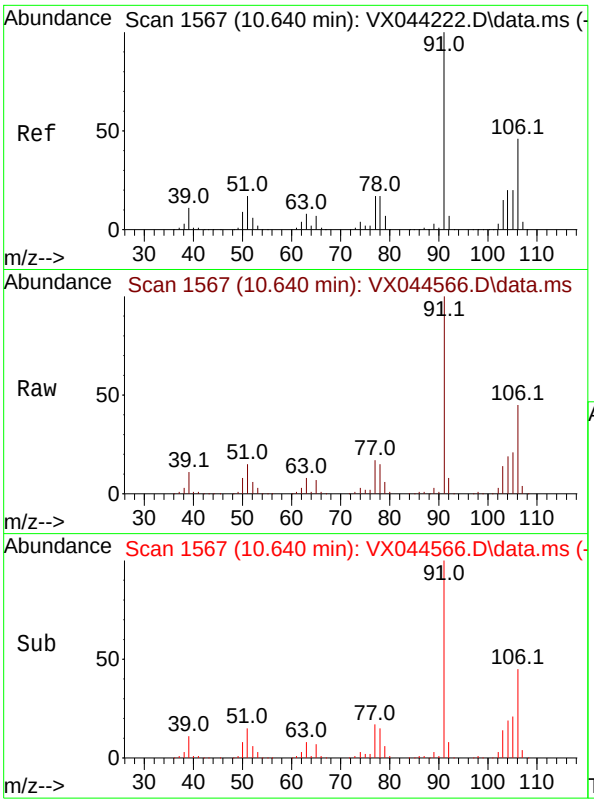


#68
m/p-Xylenes
Concen: 100.832 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:106 Resp: 273541

Ion	Ratio	Lower	Upper
106	100		
91	206.2	170.2	255.2





#69
o-Xylene
Concen: 49.993 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:106 Resp: 13722

Ion	Ratio	Lower	Upper
106	100		
91	218.4	112.3	337.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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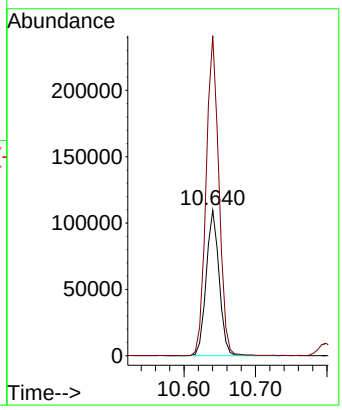
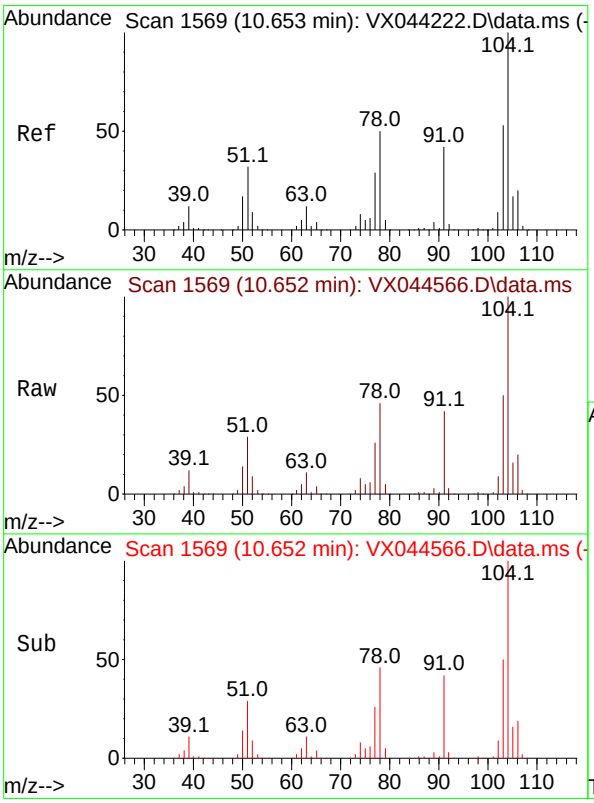
Supervised By :Mahesh Dadoda 12/31/2024

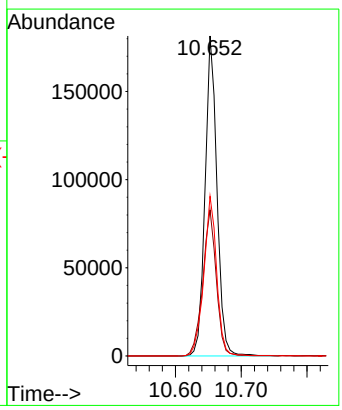


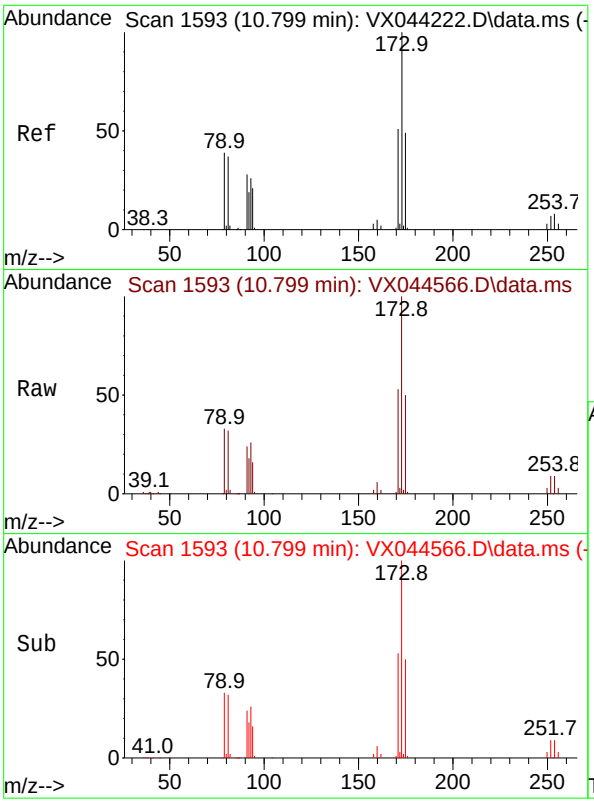


#70
Styrene
Concen: 52.025 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:104 Resp: 228924

Ion	Ratio	Lower	Upper
104	100		
78	51.8	44.6	67.0
103	54.1	45.4	68.0





#71
Bromoform
Concen: 54.252 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:173 Resp: 5270

Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.8	71.4
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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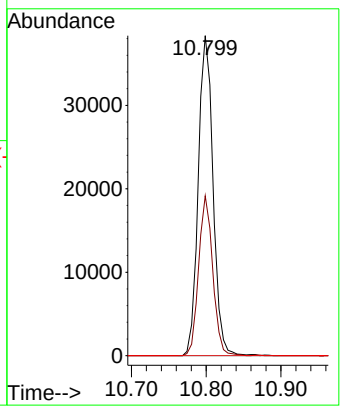
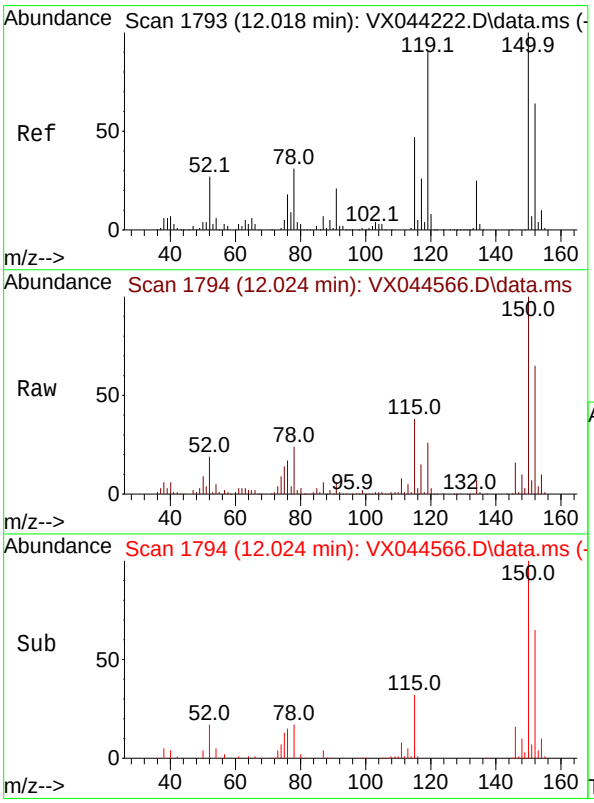
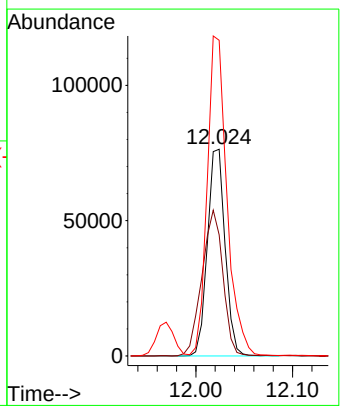


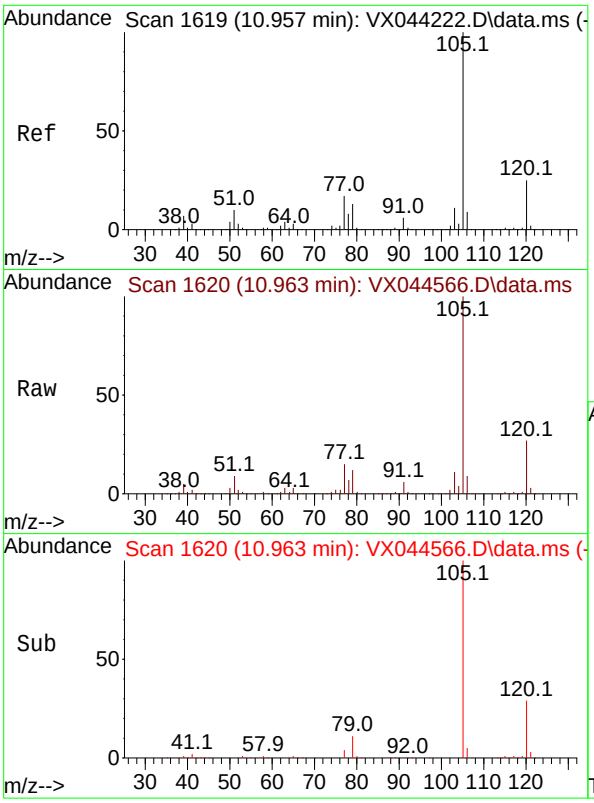


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:152 Resp: 97406

Ion	Ratio	Lower	Upper
152	100		
115	83.5	44.5	133.3
150	171.6	0.0	353.8





#73
Isopropylbenzene
Concen: 48.065 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:105 Resp: 35841

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.1	39.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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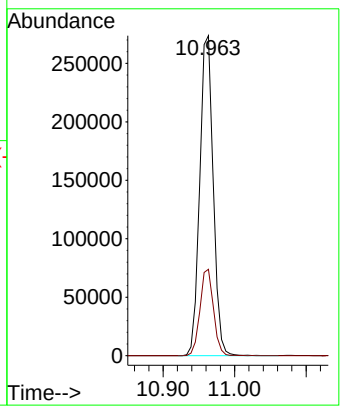
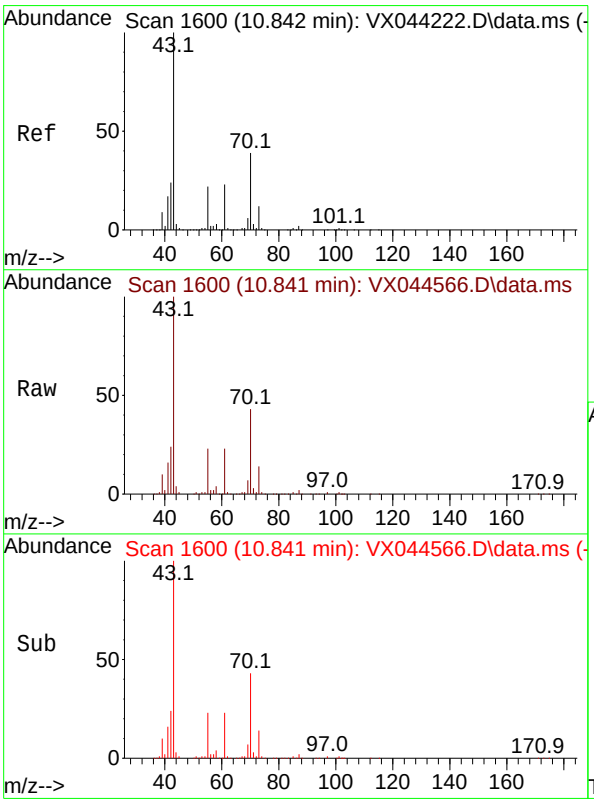
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

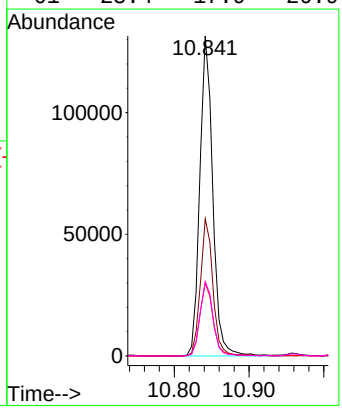


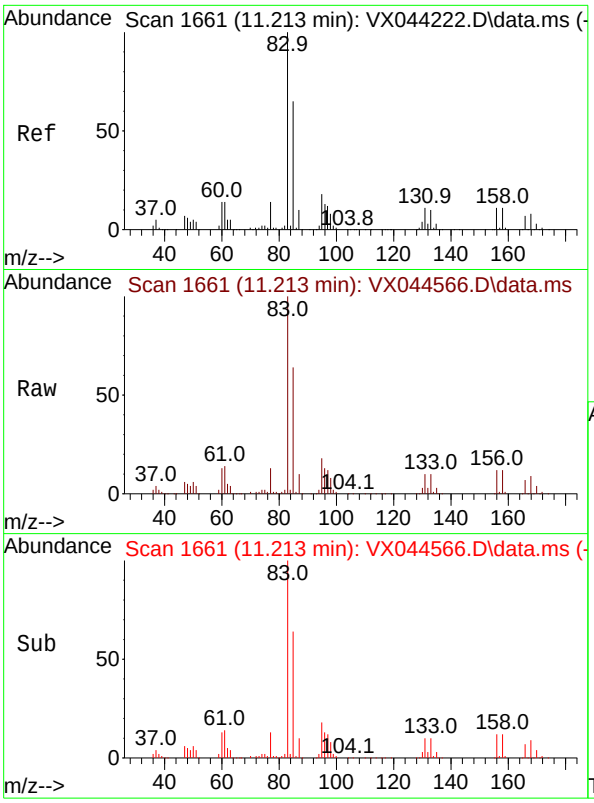


#74
N-amyl acetate
Concen: 45.983 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 43 Resp: 158466

Ion	Ratio	Lower	Upper
43	100		
70	41.7	31.9	47.9
55	23.4	17.9	26.9
61	23.4	17.9	26.9





#75
1,1,2,2-Tetrachloroethane
Concen: 47.507 ug/l
RT: 11.213 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 83 Resp: 12304

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.4
85	63.7	32.5	97.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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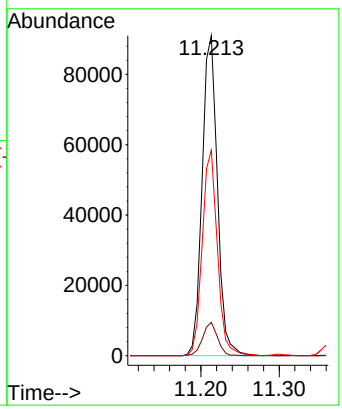
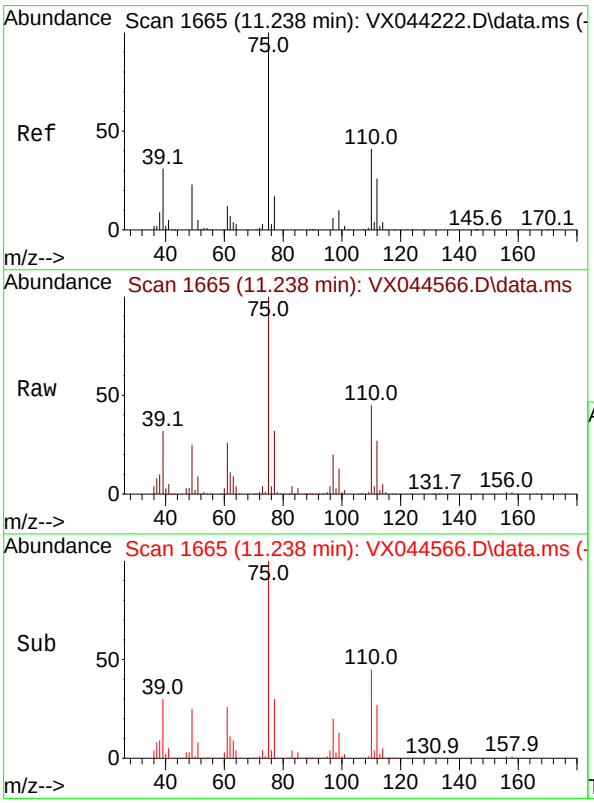
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

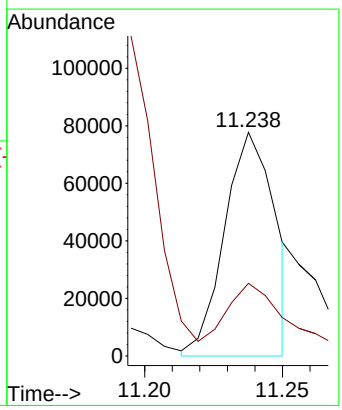


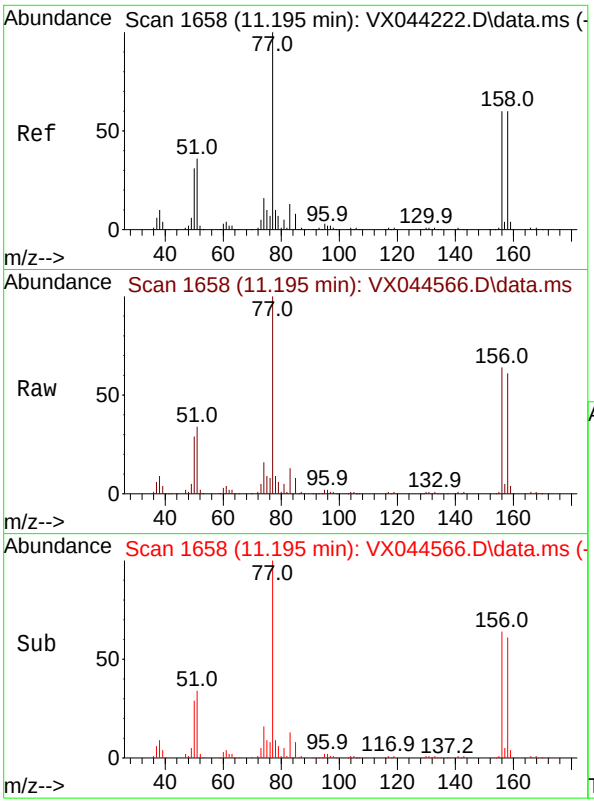


#76
1,2,3-Trichloropropane
Concen: 45.593 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 75 Resp: 99157

Ion	Ratio	Lower	Upper
75	100		
77	41.3	20.9	62.7





#77
Bromobenzene
Concen: 50.361 ug/l
RT: 11.195 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 9106

Ion	Ratio	Lower	Upper
156	100		
77	150.4	82.6	247.8
158	96.3	48.8	146.4

Manual Integrations
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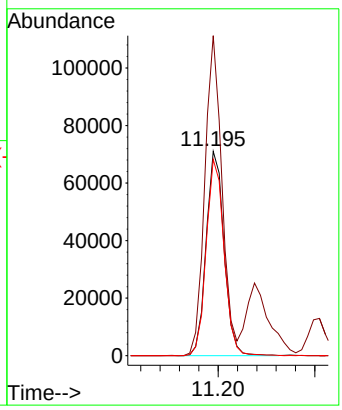
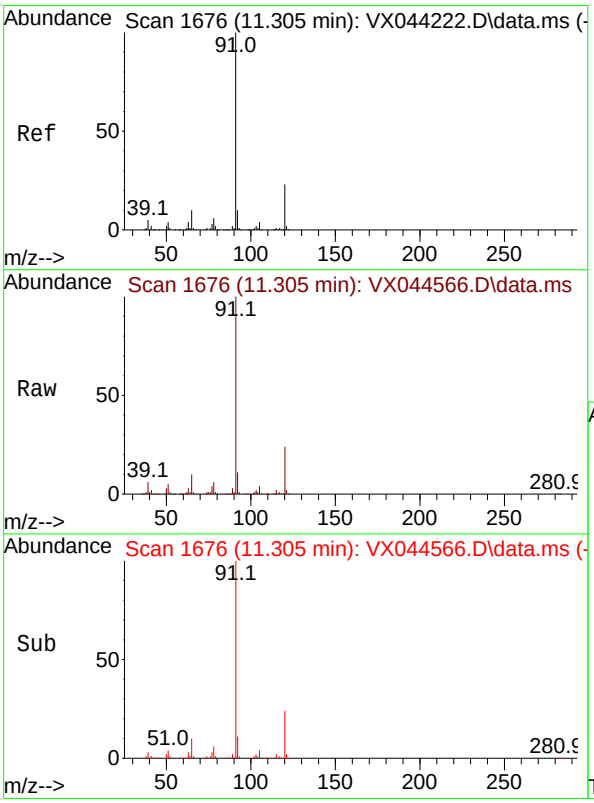
Supervised By :Mahesh Dadoda 12/31/2024

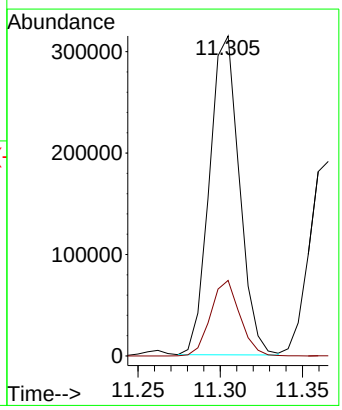


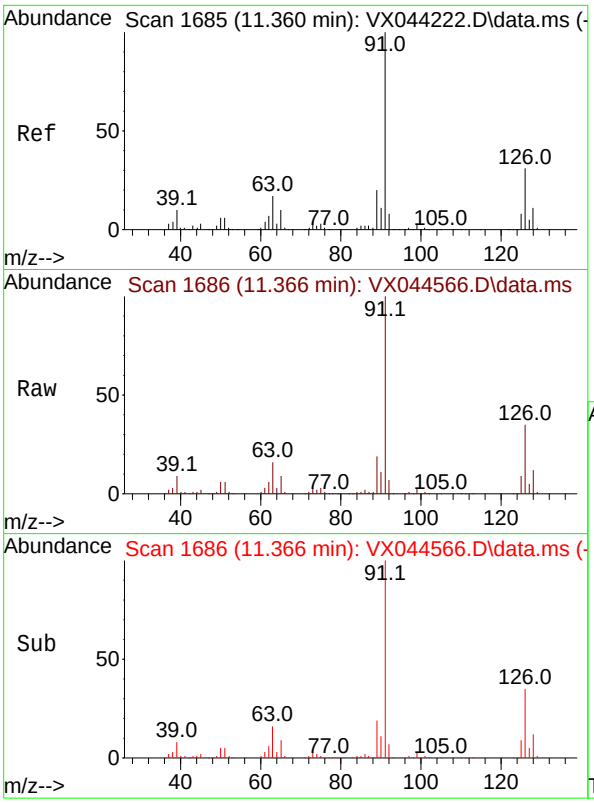


#78
n-propylbenzene
Concen: 48.380 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 91 Resp: 398738

Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.0	33.0





#79
2-Chlorotoluene
Concen: 46.103 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 91 Resp: 24573

Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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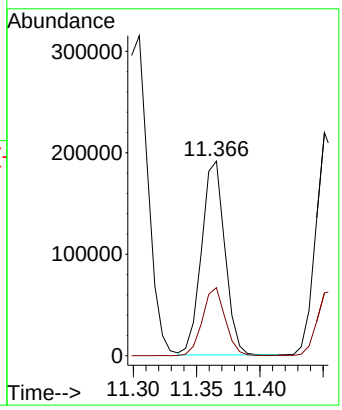
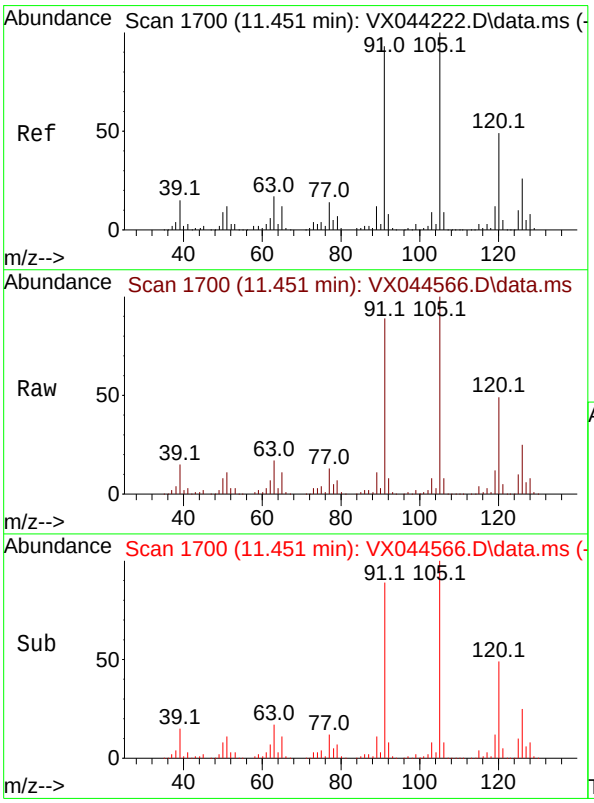
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

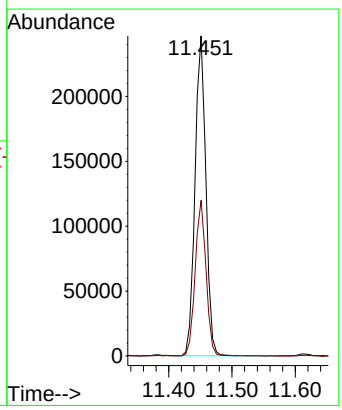


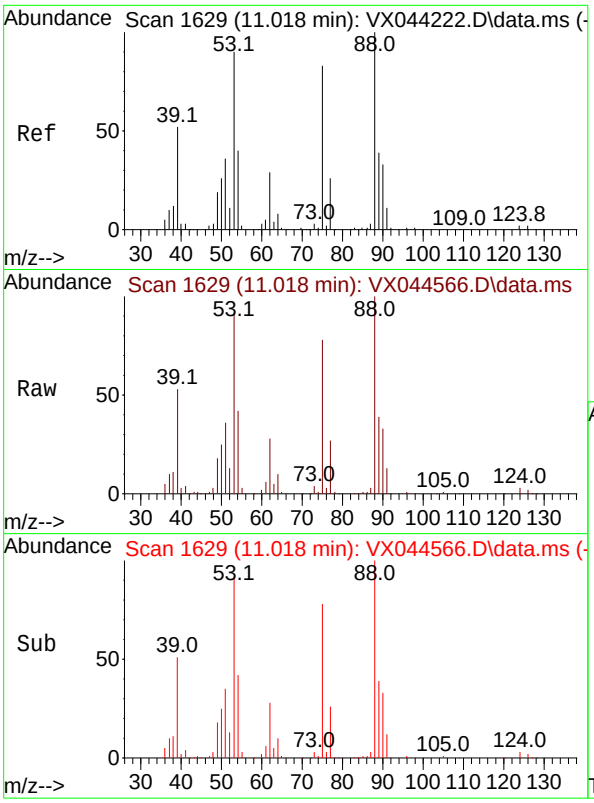


#80
1,3,5-Trimethylbenzene
Concen: 47.642 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:105 Resp: 294610

Ion	Ratio	Lower	Upper
105	100		
120	48.6	23.8	71.4





#81
trans-1,4-Dichloro-2-butene
Concen: 39.990 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 75 Resp: 2939

Ion	Ratio	Lower	Upper
75	100		
53	114.7	93.6	140.4
89	48.9	37.3	55.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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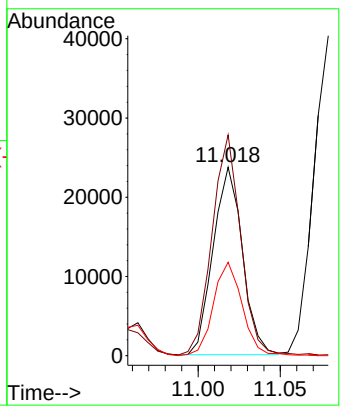
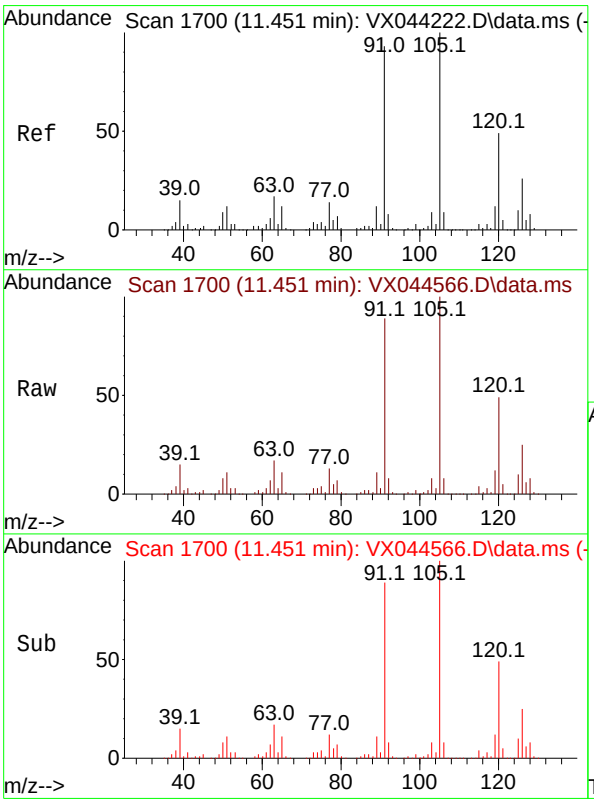
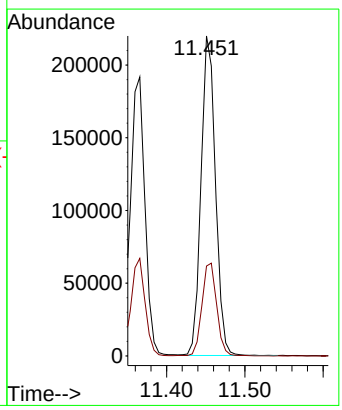


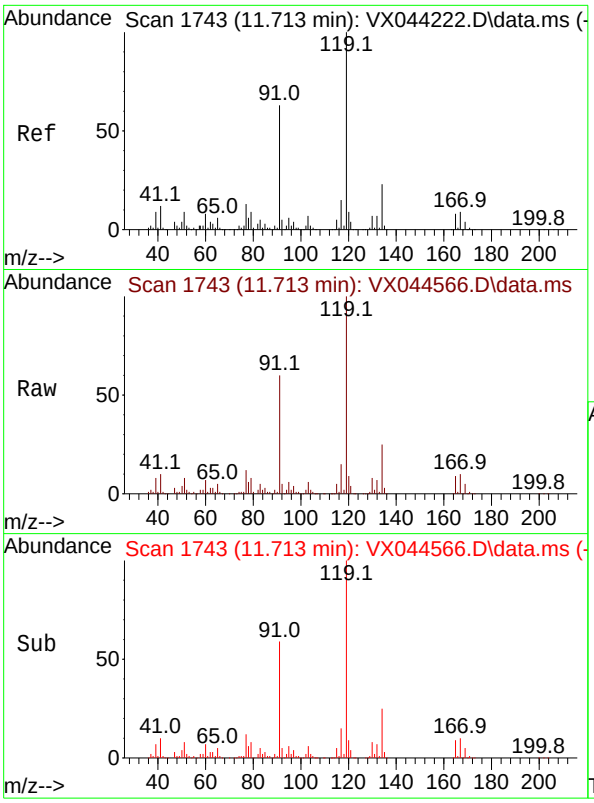


#82
4-Chlorotoluene
Concen: 47.540 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 91 Resp: 280598

Ion	Ratio	Lower	Upper
91	100		
126	29.9	14.5	43.5





#83
tert-Butylbenzene
Concen: 49.903 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:119 Resp: 30497

Ion	Ratio	Lower	Upper
119	100		
91	58.6	30.9	92.5
134	24.1	11.5	34.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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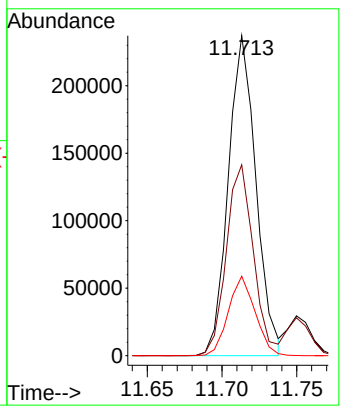
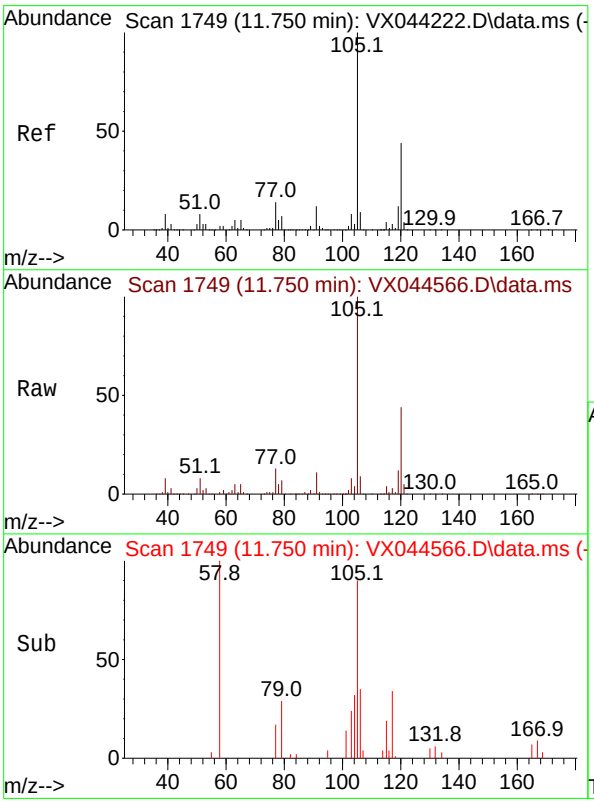
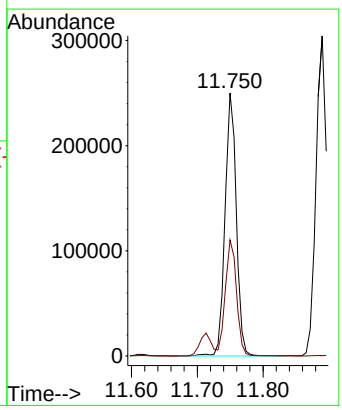


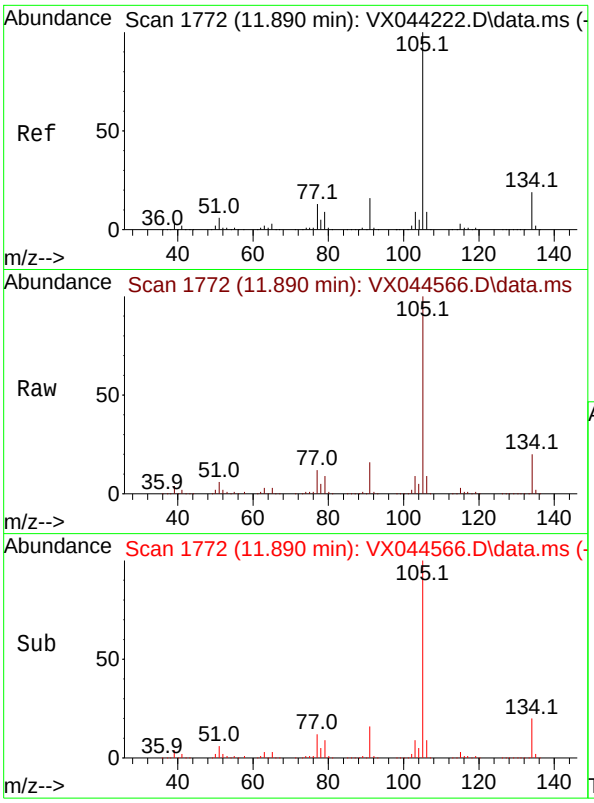


#84
1,2,4-Trimethylbenzene
Concen: 49.168 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:105 Resp: 298601

Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.7	65.1





#85
sec-Butylbenzene
Concen: 48.496 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:105 Resp: 35979

Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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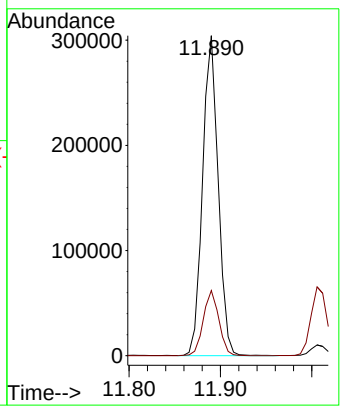
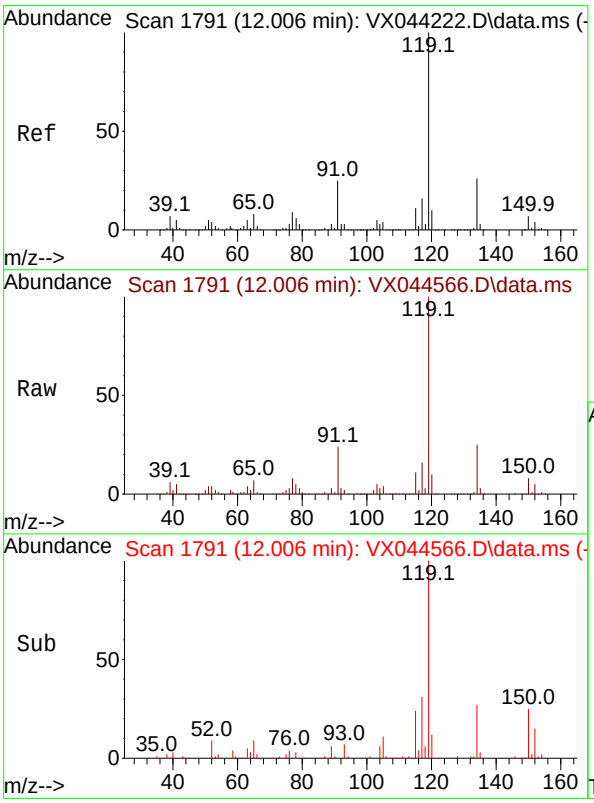
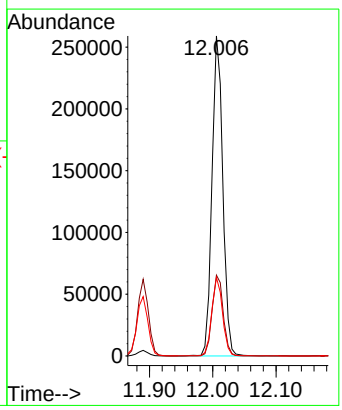


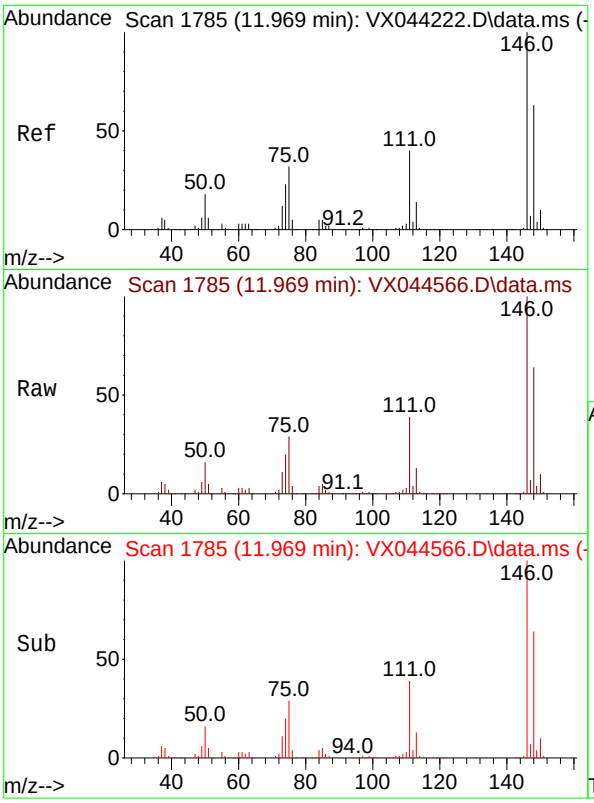


#86
p-Isopropyltoluene
Concen: 49.920 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:119 Resp: 308256

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.8	38.4
91	24.5	13.0	39.0





#87
1,3-Dichlorobenzene
Concen: 51.117 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

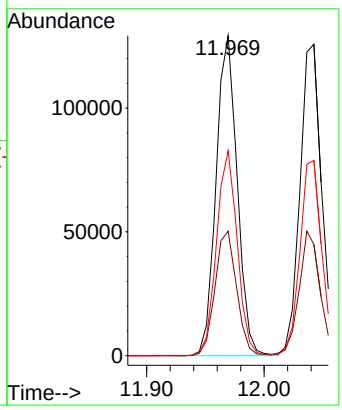
Tgt Ion:146 Resp: 16145

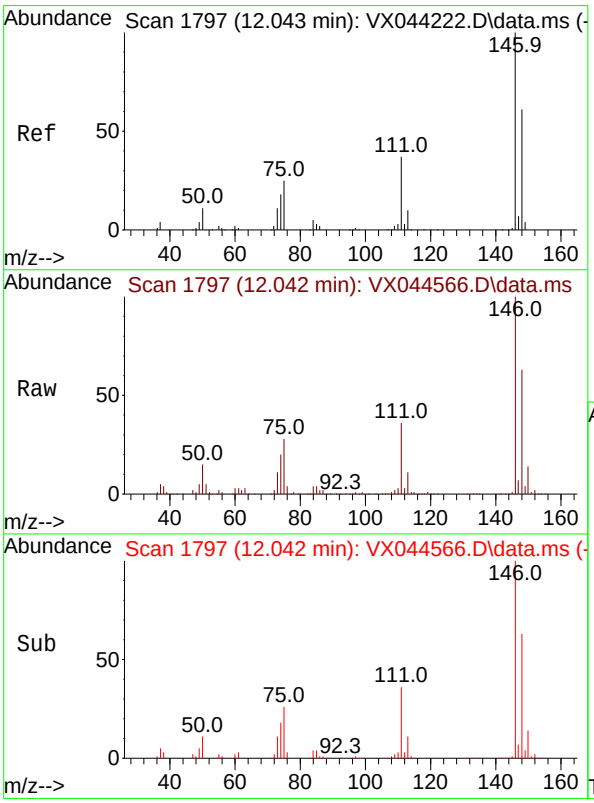
Ion	Ratio	Lower	Upper
146	100		
111	39.9	21.4	64.2
148	62.9	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

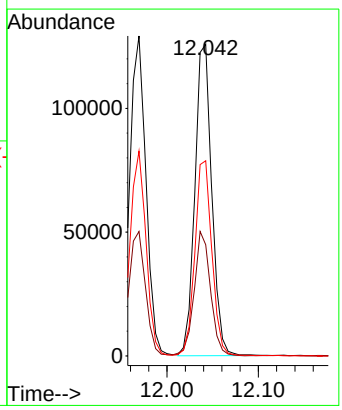


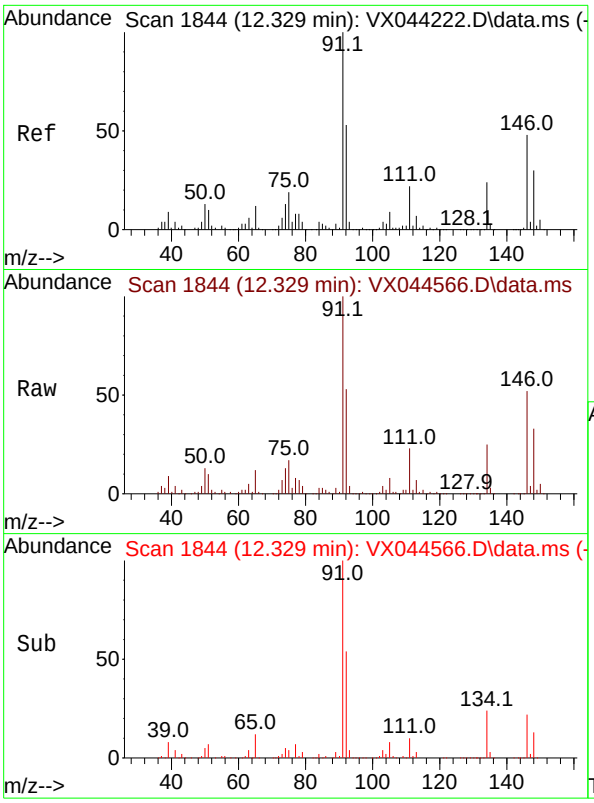


#88
1,4-Dichlorobenzene
Concen: 49.842 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:146 Resp: 161835

Ion	Ratio	Lower	Upper
146	100		
111	38.7	21.0	63.0
148	63.0	32.3	96.8





#89
n-Butylbenzene
Concen: 48.337 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

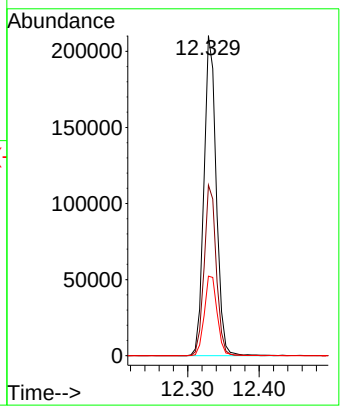
Tgt Ion: 91 Resp: 25098

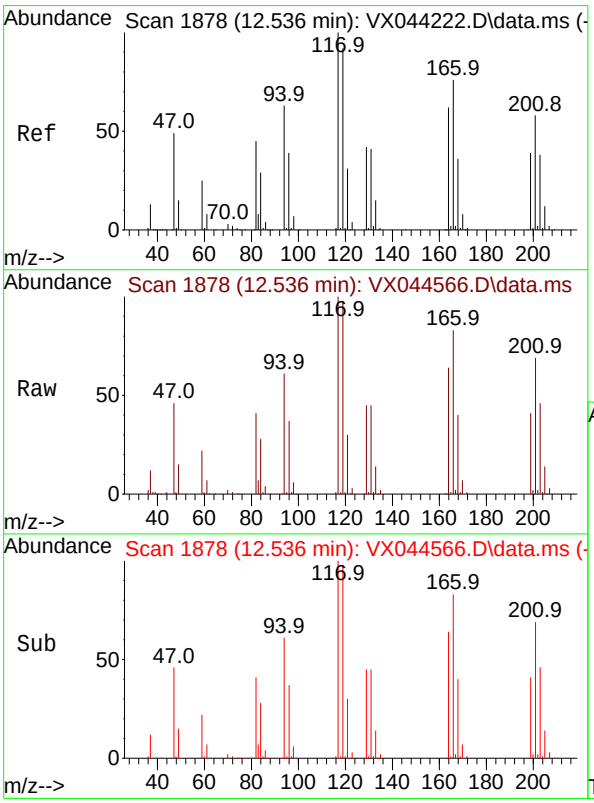
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.6	79.7
134	26.2	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

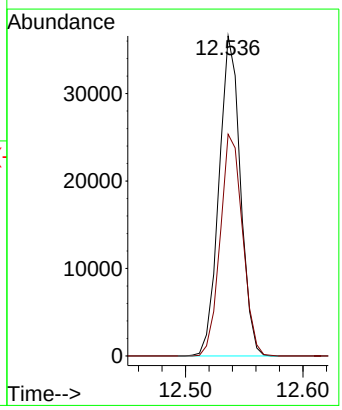


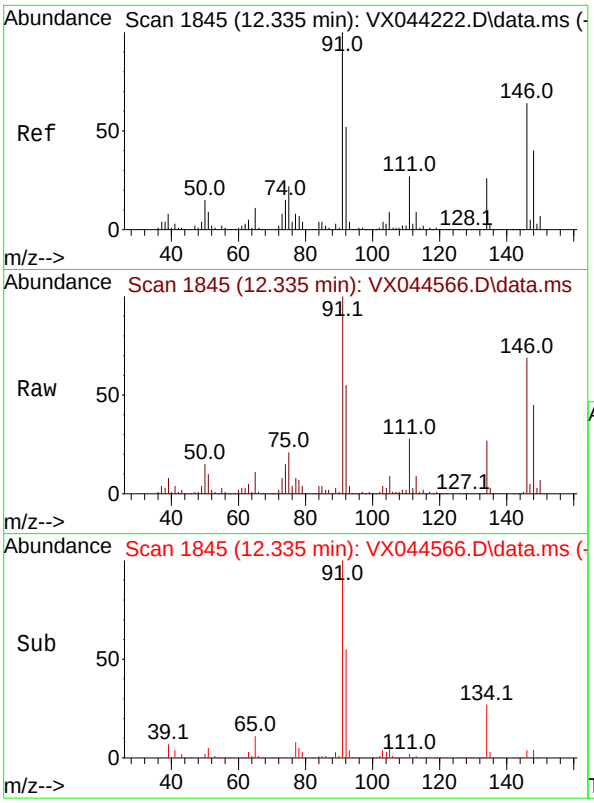


#90
Hexachloroethane
Concen: 51.321 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:117 Resp: 46260

Ion	Ratio	Lower	Upper
117	100		
201	72.4	31.4	94.2





#91
1,2-Dichlorobenzene
Concen: 49.824 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

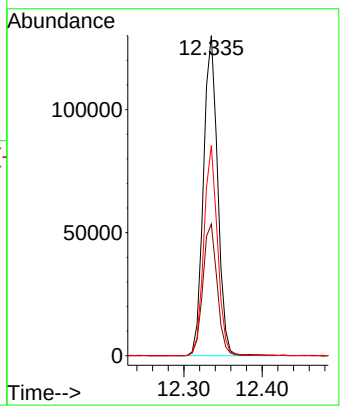
Tgt Ion:146 Resp: 16340

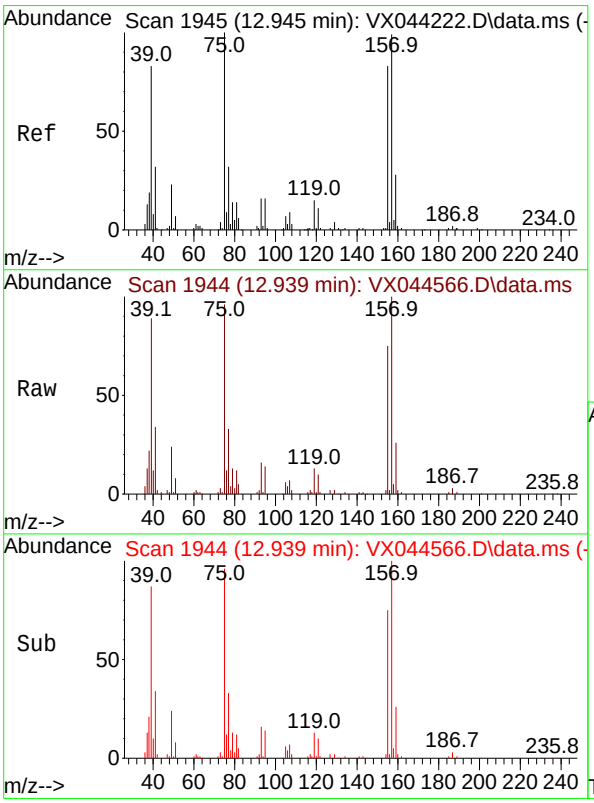
Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.4	64.3
148	63.2	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

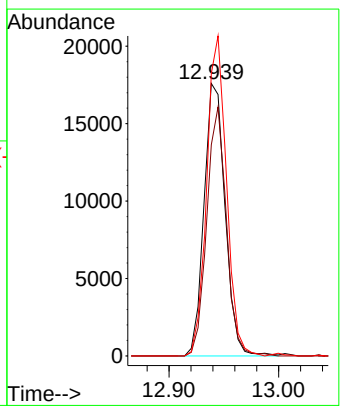


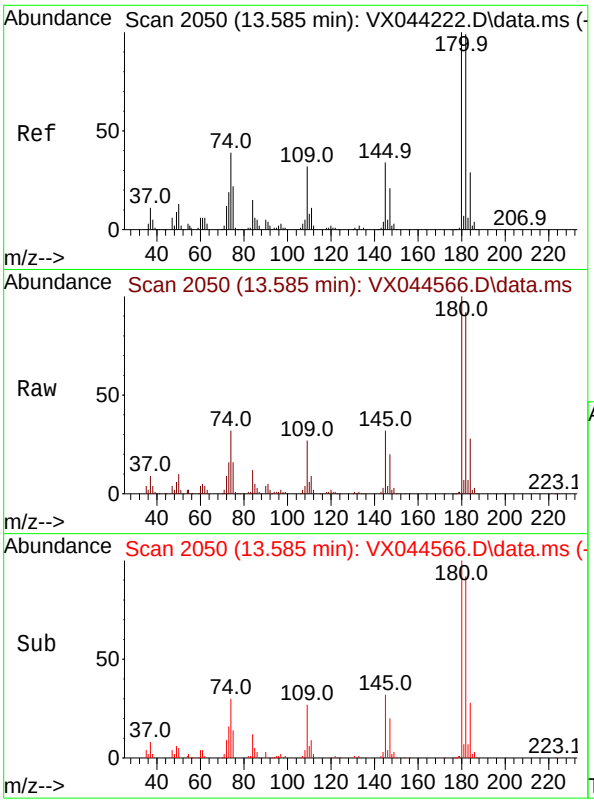


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.766 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 75 Resp: 23513

Ion	Ratio	Lower	Upper
75	100		
155	85.1	38.1	114.3
157	110.2	47.2	141.6





#93
1,2,4-Trichlorobenzene
Concen: 54.853 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

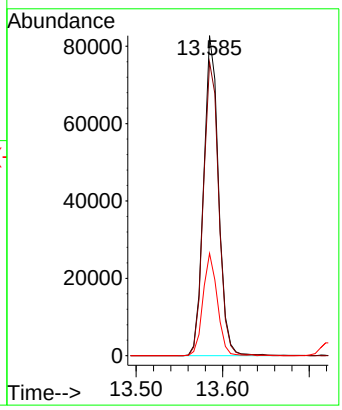
Tgt Ion:180 Resp: 9862

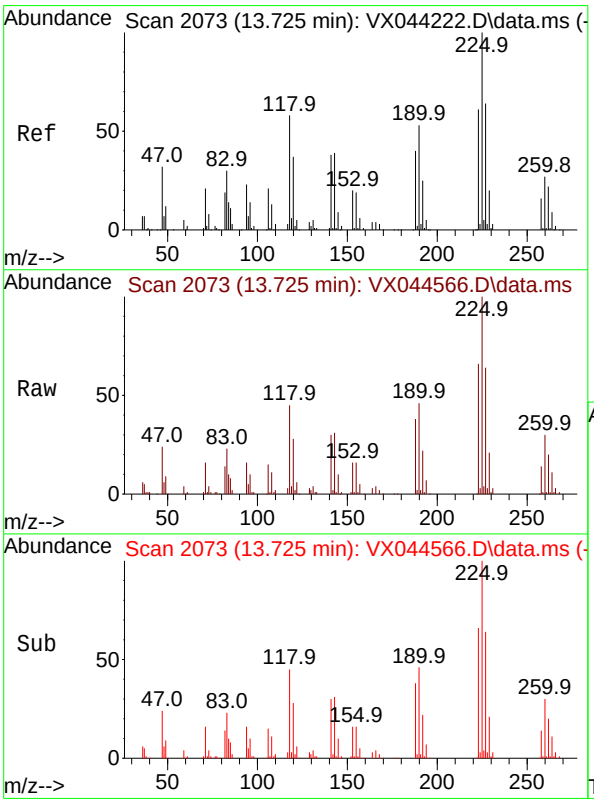
Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.0	144.2
145	31.0	16.6	49.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

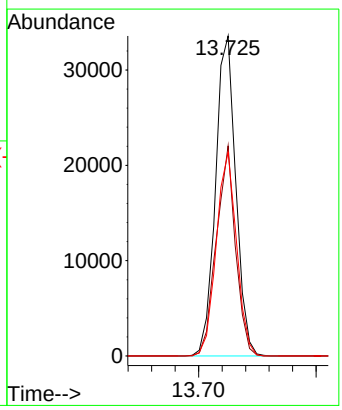


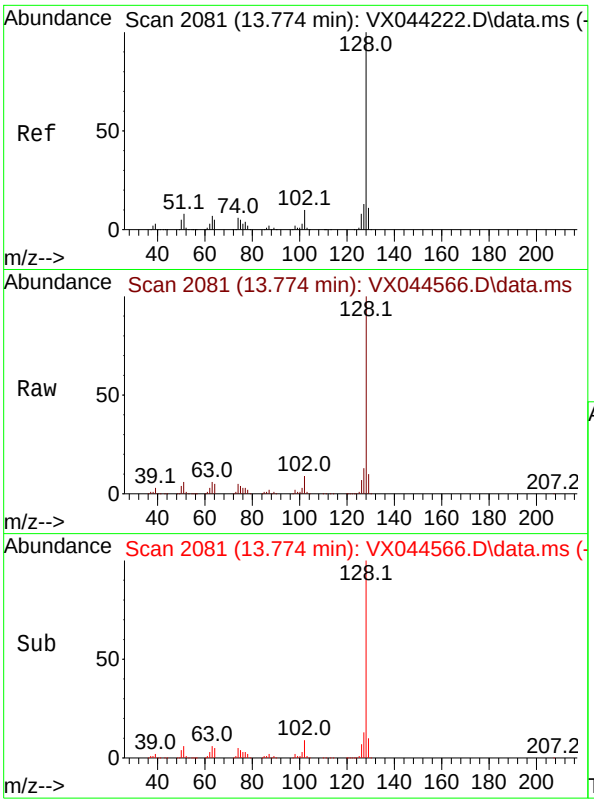


#94
Hexachlorobutadiene
Concen: 55.678 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:225 Resp: 40268

Ion	Ratio	Lower	Upper
225	100		
223	62.0	30.8	92.4
227	63.7	32.1	96.3





#95
Naphthalene
Concen: 49.679 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

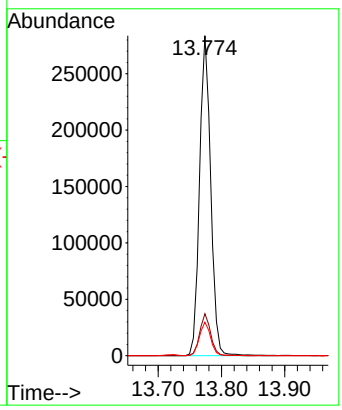
Tgt Ion:128 Resp: 34866

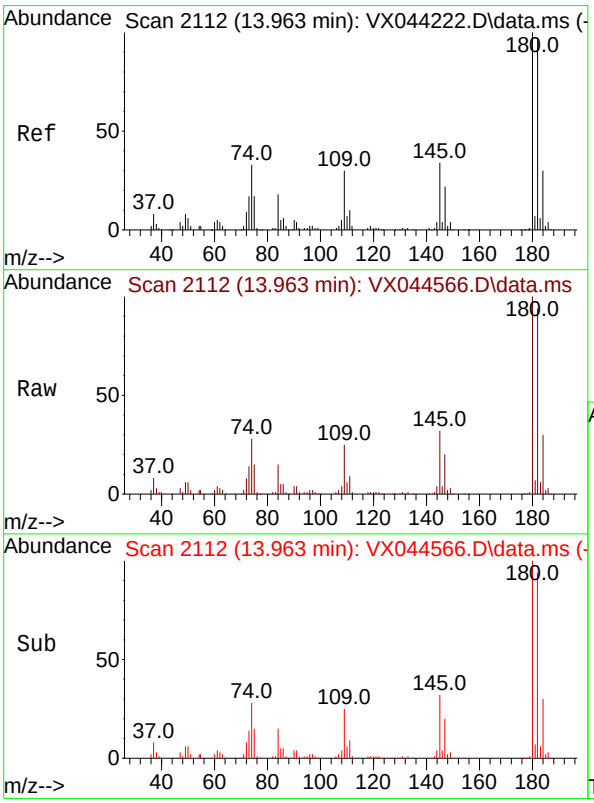
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.5	9.0	13.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

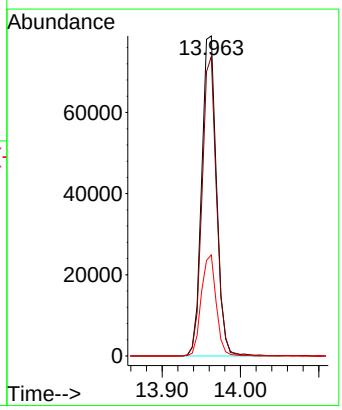




#96
1,2,3-Trichlorobenzene
Concen: 54.300 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:180 Resp: 103555

Ion	Ratio	Lower	Upper
180	100		
182	91.5	48.0	144.0
145	31.7	17.7	53.1



Evaluate Continuing Calibration Report

Sample Results: **VX044566.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	107	0.00
2	T	Dichlorodifluoromethane	0.773	0.656	15.1	89	0.00
3	P	Chloromethane	0.739	0.595	19.5	84	0.00
4	C	Vinyl Chloride	0.770	0.637	17.3#	87	0.00
5	T	Bromomethane	0.546	0.434	20.5	84	0.00
6	T	Chloroethane	0.480	0.411	14.4	83	0.00
7	T	Trichlorofluoromethane	1.508	1.187	21.3	83	0.00
8	T	Diethyl Ether	0.515	0.452	12.2	94	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.610	0.575	5.7	100	0.00
10	T	Methyl Iodide	0.804	0.776	3.5	98	0.00
11	T	Tert butyl alcohol	0.124	0.102	17.7	91	0.00
12	CM	1,1-Dichloroethene	0.560	0.554	1.1#	100	0.00
13	T	Acrolein	0.179	0.325	-81.6#	189#	0.00
14	T	Allyl chloride	0.933	0.814	12.8	87	0.00
15	T	Acrylonitrile	0.342	0.306	10.5	92	0.00
16	T	Acetone	0.357	0.284	20.4	80	0.00
17	T	Carbon Disulfide	1.065	0.937	12.0	87	0.00
18	T	Methyl Acetate	0.922	0.841	8.8	95	0.00
19	T	Methyl tert-butyl Ether	2.187	1.892	13.5	88	0.00
20	T	Methylene Chloride	0.671	0.598	10.9	93	0.00
21	T	trans-1,2-Dichloroethene	0.596	0.545	8.6	95	0.00
22	T	Diisopropyl ether	2.102	1.792	14.7	89	0.00
23	T	Vinyl Acetate	1.709	1.560	8.7	88	0.00
24	P	1,1-Dichloroethane	1.172	1.065	9.1	92	0.00
25	T	2-Butanone	0.508	0.435	14.4	85	0.00
26	T	2,2-Dichloropropane	0.952	0.688	27.7#	71	0.00
27	T	cis-1,2-Dichloroethene	0.756	0.682	9.8	95	0.00
28	T	Bromochloromethane	0.575	0.455	20.9	82	0.00
29	T	Tetrahydrofuran	0.326	0.278	14.7	88	0.00
30	C	Chloroform	1.316	1.146	12.9#	92	0.00
31	T	Cyclohexane	0.946	0.793	16.2	87	0.00
32	T	1,1,1-Trichloroethane	1.093	1.005	8.1	92	0.00
33	S	1,2-Dichloroethane-d4	0.877	0.721	17.8	84	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35	S	Dibromofluoromethane	0.346	0.346	0.0	91	0.00
36	T	1,1-Dichloropropene	0.448	0.428	4.5	93	0.00
37	T	Ethyl Acetate	0.553	0.509	8.0	85	0.00
38	T	Carbon Tetrachloride	0.482	0.484	-0.4	93	0.00
39	T	Methylcyclohexane	0.535	0.513	4.1	89	0.00
40	TM	Benzene	1.359	1.334	1.8	92	0.00
41	T	Methacrylonitrile	0.294	0.271	7.8	87	0.00
42	TM	1,2-Dichloroethane	0.560	0.526	6.1	87	0.00
43	T	Isopropyl Acetate	0.865	0.822	5.0	87	0.00
44	TM	Trichloroethene	0.339	0.354	-4.4	98	0.00
45	C	1,2-Dichloropropane	0.347	0.331	4.6#	90	0.00
46	T	Dibromomethane	0.269	0.267	0.7	90	0.00
47	T	Bromodichloromethane	0.465	0.478	-2.8	91	0.00
48	T	Methyl methacrylate	0.420	0.394	6.2	86	0.00

Sample Results: **VX044566.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.007	0.006	14.3	81	0.00
50	S	Toluene-d8	1.168	1.133	3.0	88	0.00
51	T	4-Methyl-2-Pentanone	0.556	0.539	3.1	88	0.00
52	CM	Toluene	0.853	0.835	2.1#	92	0.00
53	T	t-1,3-Dichloropropene	0.455	0.458	-0.7	86	0.00
54	T	cis-1,3-Dichloropropene	0.507	0.510	-0.6	87	0.00
55	T	1,1,2-Trichloroethane	0.339	0.351	-3.5	95	0.00
56	T	Ethyl methacrylate	0.535	0.539	-0.7	90	0.00
57	T	1,3-Dichloropropane	0.590	0.579	1.9	91	0.00
58	T	2-Chloroethyl Vinyl ether	0.270	0.233	13.7	77	0.00
59	T	2-Hexanone	0.403	0.398	1.2	88	0.00
60	T	Dibromochloromethane	0.326	0.361	-10.7	94	0.00
61	T	1,2-Dibromoethane	0.345	0.364	-5.5	96	0.00
62	S	4-Bromofluorobenzene	0.408	0.410	-0.5	90	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64	T	Tetrachloroethene	0.332	0.332	0.0	101	0.00
65	PM	Chlorobenzene	1.071	1.067	0.4	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.344	0.376	-9.3	98	0.00
67	C	Ethyl Benzene	1.851	1.830	1.1#	92	0.00
68	T	m/p-Xylenes	0.679	0.685	-0.9	94	0.00
69	T	o-Xylene	0.687	0.687	0.0	95	0.00
70	T	Styrene	1.102	1.146	-4.0	96	0.00
71	P	Bromoform	0.219	0.264	-20.5	104	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73	T	Isopropylbenzene	3.828	3.680	3.9	96	0.00
74	T	N-amyl acetate	1.769	1.627	8.0	87	0.00
75	P	1,1,2,2-Tetrachloroethane	1.329	1.263	5.0	97	0.00
76	T	1,2,3-Trichloropropane	1.116	1.018	8.8	93	0.00
77	T	Bromobenzene	0.928	0.935	-0.8	102	0.00
78	T	n-propylbenzene	4.231	4.094	3.2	93	0.00
79	T	2-Chlorotoluene	2.736	2.523	7.8	93	0.00
80	T	1,3,5-Trimethylbenzene	3.174	3.025	4.7	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.347	0.302	13.0	84	0.00
82	T	4-Chlorotoluene	3.030	2.881	4.9	95	0.00
83	T	tert-Butylbenzene	3.137	3.131	0.2	98	0.00
84	T	1,2,4-Trimethylbenzene	3.117	3.066	1.6	95	0.00
85	T	sec-Butylbenzene	3.808	3.694	3.0	95	0.00
86	T	p-Isopropyltoluene	3.170	3.165	0.2	97	0.00
87	T	1,3-Dichlorobenzene	1.621	1.658	-2.3	101	0.00
88	T	1,4-Dichlorobenzene	1.667	1.661	0.4	102	0.00
89	T	n-Butylbenzene	2.665	2.577	3.3	93	0.00
90	T	Hexachloroethane	0.463	0.475	-2.6	96	0.00
91	T	1,2-Dichlorobenzene	1.683	1.678	0.3	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.258	0.241	6.6	90	0.00
93	T	1,2,4-Trichlorobenzene	0.923	1.013	-9.8	106	0.00
94	T	Hexachlorobutadiene	0.371	0.413	-11.3	114	0.00
95	T	Naphthalene	3.603	3.580	0.6	95	0.00

Sample Results: **VX044566.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.979	1.063	-8.6	107	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Sample Results: **VX044566.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	107	0.00
2	T	Dichlorodifluoromethane	50.000	42.412	15.2	89	0.00
3	P	Chloromethane	50.000	40.211	19.6	84	0.00
4	C	Vinyl Chloride	50.000	41.376	17.2#	87	0.00
5	T	Bromomethane	50.000	39.669	20.7	84	0.00
6	T	Chloroethane	50.000	42.857	14.3	83	0.00
7	T	Trichlorofluoromethane	50.000	39.375	21.3	83	0.00
8	T	Diethyl Ether	50.000	43.886	12.2	94	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.148	5.7	100	0.00
10	T	Methyl Iodide	50.000	48.249	3.5	98	0.00
11	T	Tert butyl alcohol	250.000	205.729	17.7	91	0.00
12	CM	1,1-Dichloroethene	50.000	49.435	1.1#	100	0.00
13	T	Acrolein	250.000	454.411	-81.8#	189	0.00
14	T	Allyl chloride	50.000	43.612	12.8	87	0.00
15	T	Acrylonitrile	250.000	223.794	10.5	92	0.00
16	T	Acetone	250.000	198.438	20.6	80	0.00
17	T	Carbon Disulfide	50.000	43.956	12.1	87	0.00
18	T	Methyl Acetate	50.000	45.622	8.8	95	0.00
19	T	Methyl tert-butyl Ether	50.000	43.259	13.5	88	0.00
20	T	Methylene Chloride	50.000	44.561	10.9	93	0.00
21	T	trans-1,2-Dichloroethene	50.000	45.785	8.4	95	0.00
22	T	Diisopropyl ether	50.000	42.621	14.8	89	0.00
23	T	Vinyl Acetate	250.000	228.196	8.7	88	0.00
24	P	1,1-Dichloroethane	50.000	45.434	9.1	92	0.00
25	T	2-Butanone	250.000	214.237	14.3	85	0.00
26	T	2,2-Dichloropropane	50.000	36.132	27.7#	71	0.00
27	T	cis-1,2-Dichloroethene	50.000	45.097	9.8	95	0.00
28	T	Bromochloromethane	50.000	39.585	20.8	82	0.00
29	T	Tetrahydrofuran	250.000	212.969	14.8	88	0.00
30	C	Chloroform	50.000	43.510	13.0#	92	0.00
31	T	Cyclohexane	50.000	41.915	16.2	87	0.00
32	T	1,1,1-Trichloroethane	50.000	46.002	8.0	92	0.00
33	S	1,2-Dichloroethane-d4	50.000	41.150	17.7	84	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35	S	Dibromofluoromethane	50.000	49.905	0.2	91	0.00
36	T	1,1-Dichloropropene	50.000	47.753	4.5	93	0.00
37	T	Ethyl Acetate	50.000	46.024	8.0	85	0.00
38	T	Carbon Tetrachloride	50.000	50.199	-0.4	93	0.00
39	T	Methylcyclohexane	50.000	47.948	4.1	89	0.00
40	TM	Benzene	50.000	49.074	1.9	92	0.00
41	T	Methacrylonitrile	50.000	46.035	7.9	87	0.00
42	TM	1,2-Dichloroethane	50.000	46.987	6.0	87	0.00
43	T	Isopropyl Acetate	50.000	47.508	5.0	87	0.00
44	TM	Trichloroethene	50.000	52.249	-4.5	98	0.00
45	C	1,2-Dichloropropane	50.000	47.708	4.6#	90	0.00
46	T	Dibromomethane	50.000	49.490	1.0	90	0.00
47	T	Bromodichloromethane	50.000	51.396	-2.8	91	0.00
48	T	Methyl methacrylate	50.000	46.878	6.2	86	0.00

Sample Results: **VX044566.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	913.462	8.7	81	0.00
50	S	Toluene-d8	50.000	48.474	3.1	88	0.00
51	T	4-Methyl-2-Pentanone	250.000	242.270	3.1	88	0.00
52	CM	Toluene	50.000	48.888	2.2#	92	0.00
53	T	t-1,3-Dichloropropene	50.000	46.134	7.7	86	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.320	-0.6	87	0.00
55	T	1,1,2-Trichloroethane	50.000	51.778	-3.6	95	0.00
56	T	Ethyl methacrylate	50.000	50.372	-0.7	90	0.00
57	T	1,3-Dichloropropane	50.000	49.051	1.9	91	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	215.466	13.8	77	0.00
59	T	2-Hexanone	250.000	247.299	1.1	88	0.00
60	T	Dibromochloromethane	50.000	50.226	-0.5	94	0.00
61	T	1,2-Dibromoethane	50.000	52.792	-5.6	96	0.00
62	S	4-Bromofluorobenzene	50.000	50.190	-0.4	90	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64	T	Tetrachloroethene	50.000	50.030	-0.1	101	0.00
65	PM	Chlorobenzene	50.000	49.789	0.4	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.563	-9.1	98	0.00
67	C	Ethyl Benzene	50.000	49.429	1.1#	92	0.00
68	T	m/p-Xylenes	100.000	100.832	-0.8	94	0.00
69	T	o-Xylene	50.000	49.993	0.0	95	0.00
70	T	Styrene	50.000	52.025	-4.0	96	0.00
71	P	Bromoform	50.000	54.252	-8.5	104	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73	T	Isopropylbenzene	50.000	48.065	3.9	96	0.00
74	T	N-amyl acetate	50.000	45.983	8.0	87	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.507	5.0	97	0.00
76	T	1,2,3-Trichloropropane	50.000	45.593	8.8	93	0.00
77	T	Bromobenzene	50.000	50.361	-0.7	102	0.00
78	T	n-propylbenzene	50.000	48.380	3.2	93	0.00
79	T	2-Chlorotoluene	50.000	46.103	7.8	93	0.00
80	T	1,3,5-Trimethylbenzene	50.000	47.642	4.7	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	39.990	20.0	84	0.00
82	T	4-Chlorotoluene	50.000	47.540	4.9	95	0.00
83	T	tert-Butylbenzene	50.000	49.903	0.2	98	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.168	1.7	95	0.00
85	T	sec-Butylbenzene	50.000	48.496	3.0	95	0.00
86	T	p-Isopropyltoluene	50.000	49.920	0.2	97	0.00
87	T	1,3-Dichlorobenzene	50.000	51.117	-2.2	101	0.00
88	T	1,4-Dichlorobenzene	50.000	49.842	0.3	102	0.00
89	T	n-Butylbenzene	50.000	48.337	3.3	93	0.00
90	T	Hexachloroethane	50.000	51.321	-2.6	96	0.00
91	T	1,2-Dichlorobenzene	50.000	49.824	0.4	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.766	6.5	90	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.853	-9.7	106	0.00
94	T	Hexachlorobutadiene	50.000	55.678	-11.4	114	0.00
95	T	Naphthalene	50.000	49.679	0.6	95	0.00

Sample Results: **VX044566.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	54.300	-8.6	107	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX044568.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5376 SAS No.: P5376 SDG No.: P5376

Instrument ID: MSVOA_X Calibration Date/Time: 12/31/2024 10:00

Lab File ID: VX044568.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.773	0.742		-4.01	20
Chloromethane	0.739	0.675	0.1	-8.66	20
Vinyl Chloride	0.770	0.711		-7.66	20
Bromomethane	0.546	0.482		-11.72	20
Chloroethane	0.480	0.386		-19.58	20
Trichlorofluoromethane	1.508	1.318		-12.6	20
1,1,2-Trichlorotrifluoroethane	0.610	0.643		5.41	20
1,1-Dichloroethene	0.560	0.580		3.57	20
Acetone	0.357	0.316		-11.48	20
Carbon Disulfide	1.065	1.160		8.92	20
Methyl tert-butyl Ether	2.187	2.030		-7.18	20
Methyl Acetate	0.922	0.842		-8.68	20
Methylene Chloride	0.671	0.638		-4.92	20
trans-1,2-Dichloroethene	0.596	0.604		1.34	20
1,1-Dichloroethane	1.172	1.110	0.1	-5.29	20
Cyclohexane	0.946	0.947		0.11	20
2-Butanone	0.508	0.462		-9.06	20
Carbon Tetrachloride	0.482	0.564		17.01	20
cis-1,2-Dichloroethene	0.756	0.737		-2.51	20
Bromochloromethane	0.575	0.461		-19.83	20
Chloroform	1.316	1.212		-7.9	20
1,1,1-Trichloroethane	1.093	1.067		-2.38	20
Methylcyclohexane	0.535	0.666		24.49	20
Benzene	1.359	1.548		13.91	20
1,2-Dichloroethane	0.560	0.598		6.79	20
Trichloroethene	0.339	0.391		15.34	20
1,2-Dichloropropane	0.347	0.379		9.22	20
Bromodichloromethane	0.465	0.544		16.99	20
4-Methyl-2-Pentanone	0.556	0.582		4.68	20
Toluene	0.853	0.944		10.67	20
t-1,3-Dichloropropene	0.455	0.558		22.64	20
cis-1,3-Dichloropropene	0.507	0.603		18.93	20
1,1,2-Trichloroethane	0.339	0.390		15.04	20
2-Hexanone	0.403	0.433		7.44	20
Dibromochloromethane	0.326	0.400		22.7	20
1,2-Dibromoethane	0.345	0.411		19.13	20
Tetrachloroethene	0.332	0.391		17.77	20
Chlorobenzene	1.071	1.207	0.3	12.7	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VX044568.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5376 SAS No.: P5376 SDG No.: P5376

Instrument ID: MSVOA_X Calibration Date/Time: 12/31/2024 10:00

Lab File ID: VX044568.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	$\overline{RRF}$	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.851	2.076		12.16	20
m/p-Xylenes	0.679	0.799		17.67	20
o-Xylene	0.687	0.766		11.5	20
Styrene	1.102	1.289		16.97	20
Bromoform	0.219	0.291	0.1	32.88	20
Isopropylbenzene	3.828	4.159		8.65	20
1,1,2,2-Tetrachloroethane	1.329	1.378	0.3	3.69	20
1,3-Dichlorobenzene	1.621	1.856		14.5	20
1,4-Dichlorobenzene	1.667	1.854		11.22	20
1,2-Dichlorobenzene	1.684	1.832		8.79	20
1,2-Dibromo-3-Chloropropane	0.258	0.316		22.48	20
1,2,4-Trichlorobenzene	0.923	1.172		26.98	20
1,2,3-Trichlorobenzene	0.979	1.215		24.11	20
1,2-Dichloroethane-d4	0.877	0.712		-18.81	20
Dibromofluoromethane	0.346	0.363		4.91	20
Toluene-d8	1.168	1.170		0.17	20
4-Bromofluorobenzene	0.408	0.431		5.64	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Quantitation Report (QT Reviewed)

Sample Results: **VX044568.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044568.D
Acq On : 31 Dec 2024 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jan 01 01:35:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	126884	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.757	114	200592	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	176322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	86636	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	90290	40.585	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 81.180%			
35) Dibromofluoromethane	5.373	113	72813	52.411	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.820%			
50) Toluene-d8	8.647	98	234656	50.065	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.120%			
62) 4-Bromofluorobenzene	11.079	95	86443	52.781	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	94172	47.999	ug/l	98
3) Chloromethane	1.294	50	85700	45.678	ug/l	98
4) Vinyl Chloride	1.374	62	90241	46.169	ug/l	100
5) Bromomethane	1.593	94	61182	44.122	ug/l	95
6) Chloroethane	1.660	64	49004	40.263	ug/l	97
7) Trichlorofluoromethane	1.867	101	167177	43.689	ug/l	99
8) Diethyl Ether	2.136	74	58442	44.744	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	81612	52.708	ug/l	95
10) Methyl Iodide	2.441	142	104234	51.077	ug/l	95
11) Tert butyl alcohol	2.995	59	59544	189.910	ug/l	100
12) 1,1-Dichloroethene	2.306	96	73596	51.747	ug/l	94
13) Acrolein	2.233	56	134070	295.400	ug/l	99
14) Allyl chloride	2.654	41	118907	50.195	ug/l	98
15) Acrylonitrile	3.062	53	206935	238.263	ug/l	99
16) Acetone	2.386	43	200578	221.151	ug/l	96
17) Carbon Disulfide	2.495	76	147241	54.464	ug/l	97
18) Methyl Acetate	2.703	43	106832	45.684	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	257573	46.410	ug/l	100
20) Methylene Chloride	2.782	84	80917	47.500	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	76596	50.675	ug/l	93
22) Diisopropyl ether	3.757	45	242147	45.394	ug/l	92
23) Vinyl Acetate	3.715	43	1095031	252.497	ug/l	99
24) 1,1-Dichloroethane	3.599	63	140858	47.372	ug/l	99
25) 2-Butanone	4.562	43	293040	227.270	ug/l	99
26) 2,2-Dichloropropane	4.465	77	127131	52.629	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	93500	48.707	ug/l	95
28) Bromochloromethane	4.897	49	58477	40.106	ug/l	93
29) Tetrahydrofuran	5.001	42	182165	220.108	ug/l	98
30) Chloroform	5.086	83	153806	46.039	ug/l	96
31) Cyclohexane	5.458	56	120210	50.064	ug/l	93
32) 1,1,1-Trichloroethane	5.373	97	135428	48.836	ug/l	98
36) 1,1-Dichloropropene	5.684	75	98724	54.974	ug/l	97
37) Ethyl Acetate	4.714	43	113611	51.179	ug/l	99
38) Carbon Tetrachloride	5.666	117	113090	58.493	ug/l	95
39) Methylcyclohexane	7.373	83	133574	62.218	ug/l	96
40) Benzene	6.031	78	310549	56.956	ug/l	99

Sample Results: **VX044568.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044568.D
Acq On : 31 Dec 2024 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jan 01 01:35:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	62695	53.187 ug/l	98
42) 1,2-Dichloroethane	6.080	62	120034	53.442 ug/l	97
43) Isopropyl Acetate	6.342	43	182544	52.612 ug/l	98
44) Trichloroethene	7.117	130	78505	57.737 ug/l	97
45) 1,2-Dichloropropane	7.421	63	76077	54.613 ug/l	97
46) Dibromomethane	7.574	93	61737	57.127 ug/l	94
47) Bromodichloromethane	7.818	83	109189	58.502 ug/l	99
48) Methyl methacrylate	7.690	41	88670	52.647 ug/l	97
49) 1,4-Dioxane	7.659	88	23526	842.492 ug/l #	62
51) 4-Methyl-2-Pentanone	8.574	43	584184	261.860 ug/l	98
52) Toluene	8.714	92	189430	55.324 ug/l	97
53) t-1,3-Dichloropropene	8.976	75	111851	55.413 ug/l	95
54) cis-1,3-Dichloropropene	8.360	75	120884	59.484 ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	78317	57.575 ug/l	96
56) Ethyl methacrylate	9.116	69	121218	56.449 ug/l	97
57) 1,3-Dichloropropane	9.305	76	130051	54.928 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	270384	249.641 ug/l	98
59) 2-Hexanone	9.427	43	434743	269.228 ug/l	97
60) Dibromochloromethane	9.518	129	80314	55.351 ug/l	99
61) 1,2-Dibromoethane	9.604	107	82386	59.502 ug/l	97
64) Tetrachloroethene	9.269	164	68900	58.875 ug/l	98
65) Chlorobenzene	10.079	112	212820	56.329 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	73172	60.261 ug/l	98
67) Ethyl Benzene	10.189	91	365971	56.061 ug/l	96
68) m/p-Xylenes	10.299	106	281854	117.664 ug/l	93
69) o-Xylene	10.640	106	135114	55.747 ug/l	98
70) Styrene	10.652	104	227359	58.516 ug/l	97
71) Bromoform	10.799	173	51240	59.018 ug/l #	99
73) Isopropylbenzene	10.957	105	360319	54.328 ug/l	99
74) N-amyl acetate	10.841	43	159895	52.165 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	119406	51.834 ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	97653m	50.483 ug/l	
77) Bromobenzene	11.195	156	88510	55.033 ug/l	94
78) n-propylbenzene	11.305	91	408343	55.705 ug/l	98
79) 2-Chlorotoluene	11.360	91	248301	52.375 ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	299721	54.494 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	35044	51.699 ug/l	91
82) 4-Chlorotoluene	11.451	91	283555	54.013 ug/l	99
83) tert-Butylbenzene	11.713	119	301057	55.386 ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	302030	55.916 ug/l	98
85) sec-Butylbenzene	11.890	105	370955	56.216 ug/l	99
86) p-Isopropyltoluene	12.006	119	310635	56.559 ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	160802	57.239 ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	160596	55.609 ug/l	98
89) n-Butylbenzene	12.329	91	265664	57.524 ug/l	99
90) Hexachloroethane	12.536	117	53804	67.110 ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	158724	54.413 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	27395	61.261 ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	101500	63.468 ug/l	99
94) Hexachlorobutadiene	13.725	225	43011	66.863 ug/l	98
95) Naphthalene	13.774	128	354742	56.827 ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	105294	62.075 ug/l	99

Sample Results: **VX044568.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044568.D
Acq On : 31 Dec 2024 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Jan 01 01:35:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Sample Results: **VX044568.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044568.D
Acq On : 31 Dec 2024 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jan 01 01:35:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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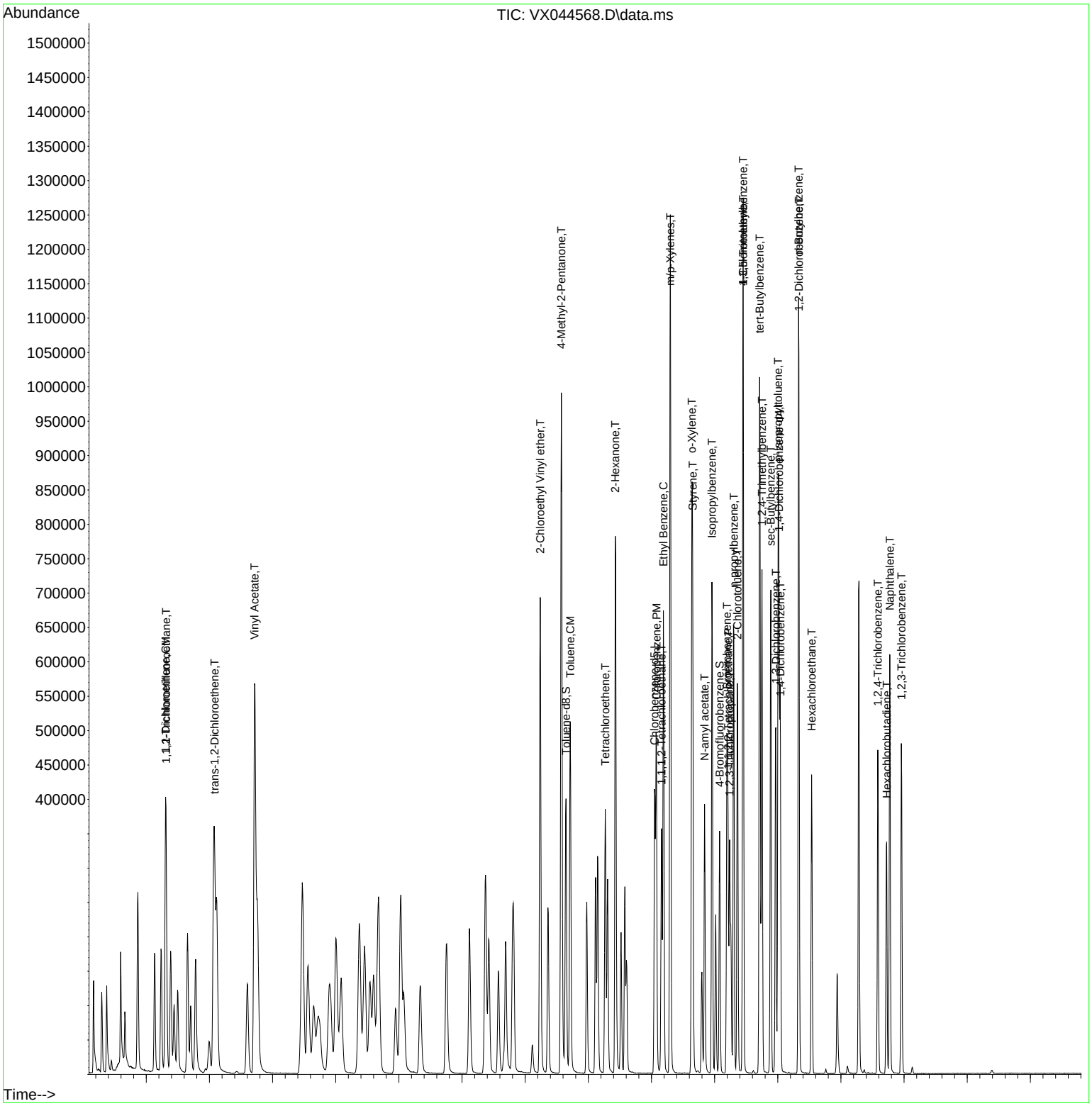

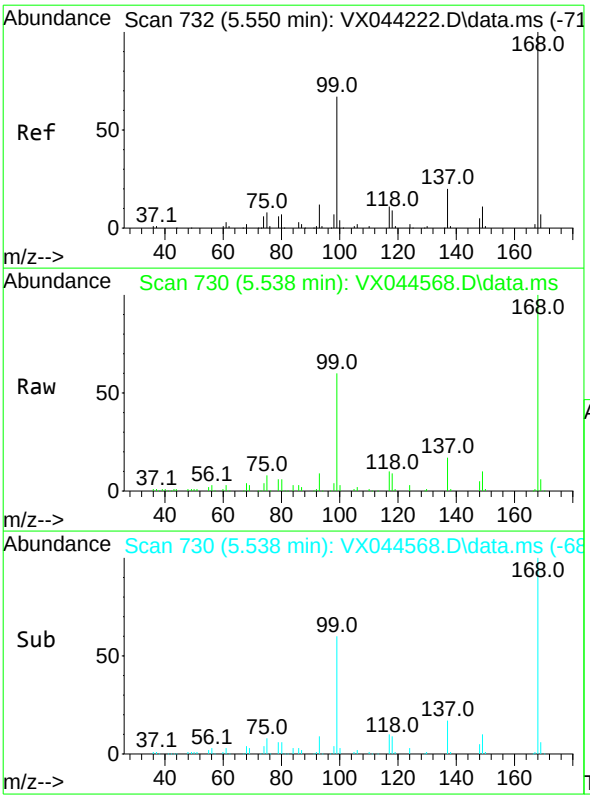

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 73
Delta R.T. -0.012 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:168 Resp: 126884

Ion	Ratio	Lower	Upper
168	100		
99	59.4	53.4	80.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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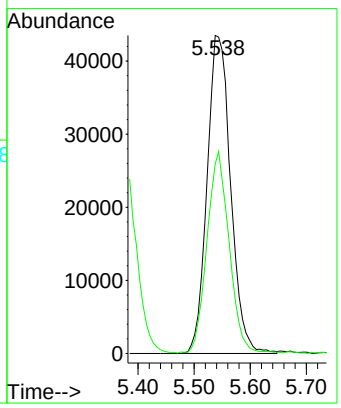
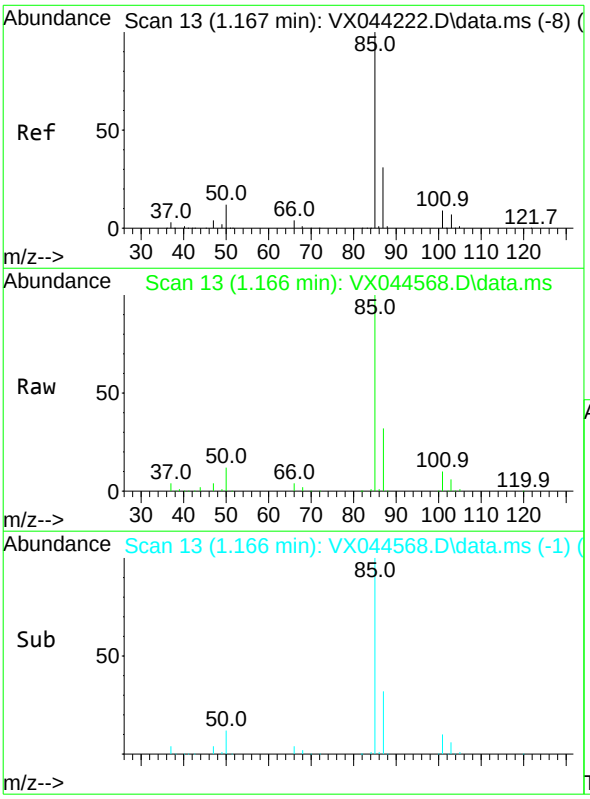
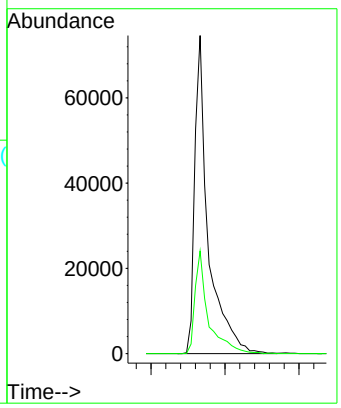


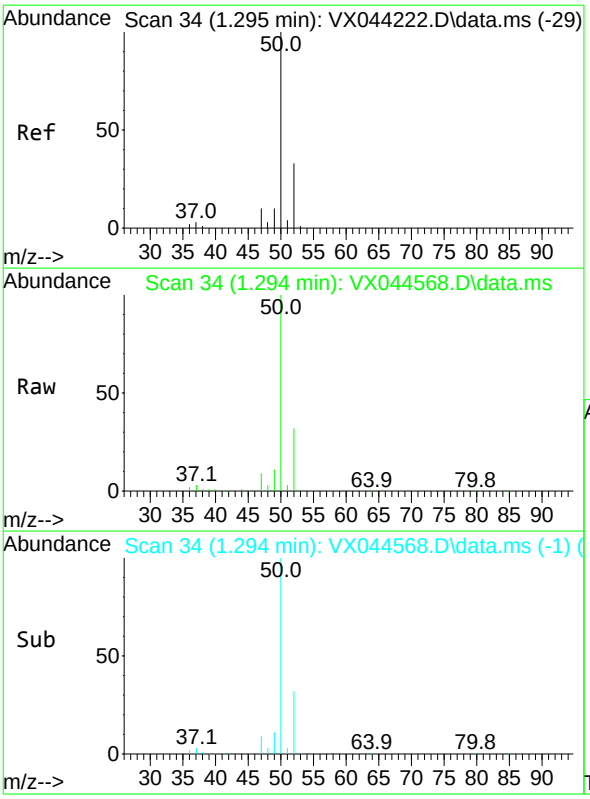


#2
Dichlorodifluoromethane
Concen: 47.999 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 85 Resp: 94172

Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.4	46.4





#3
Chloromethane
Concen: 45.678 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 50 Resp: 85700

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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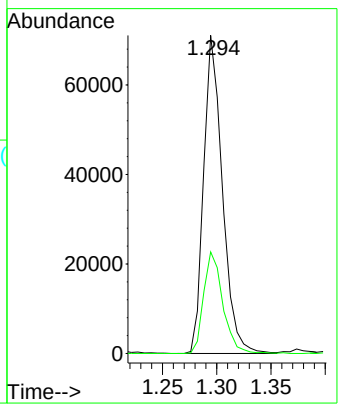
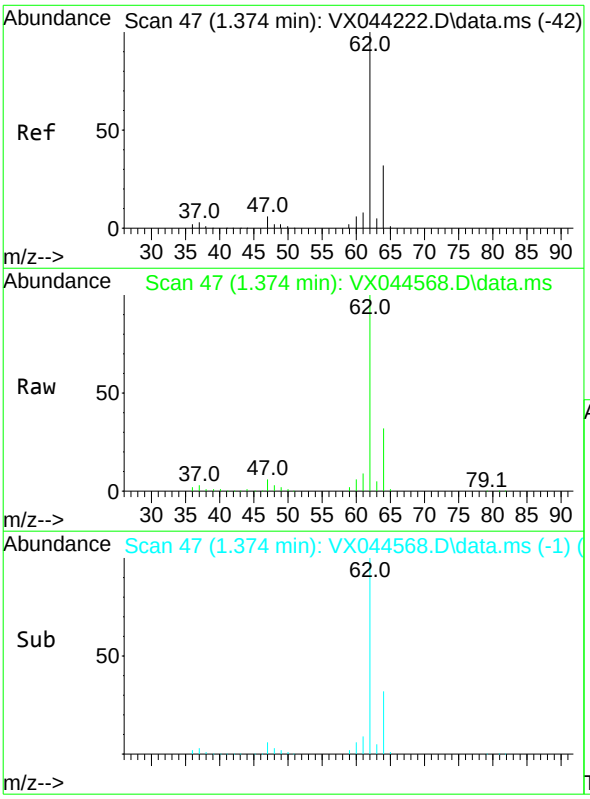
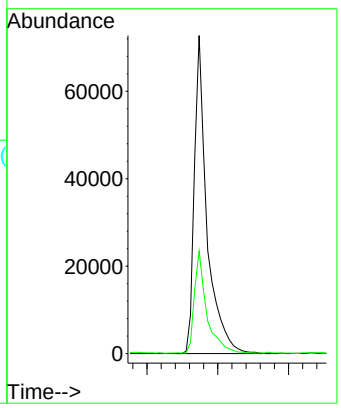


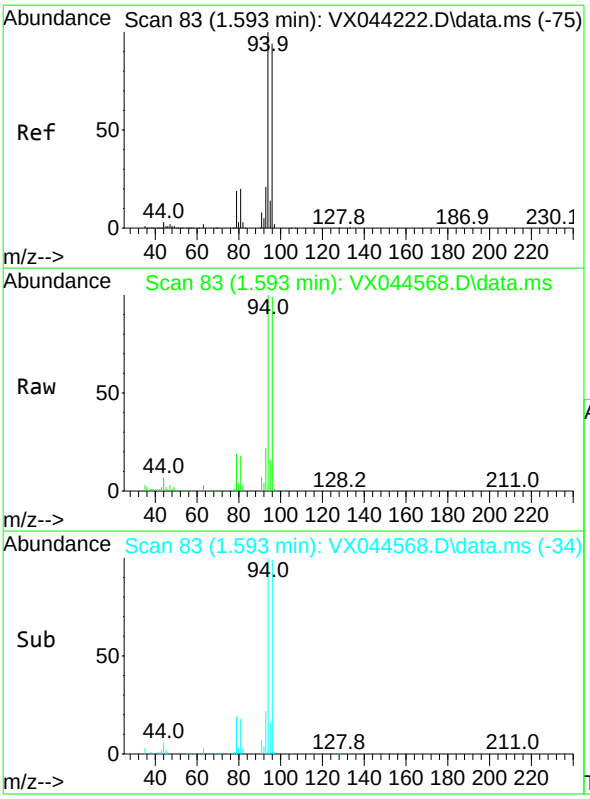


#4
Vinyl Chloride
Concen: 46.169 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 62 Resp: 90241

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.7	38.5





#5
Bromomethane
Concen: 44.122 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 94 Resp: 61182

Ion	Ratio	Lower	Upper
94	100		
96	98.5	74.9	112.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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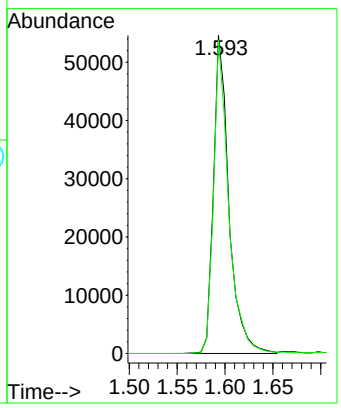
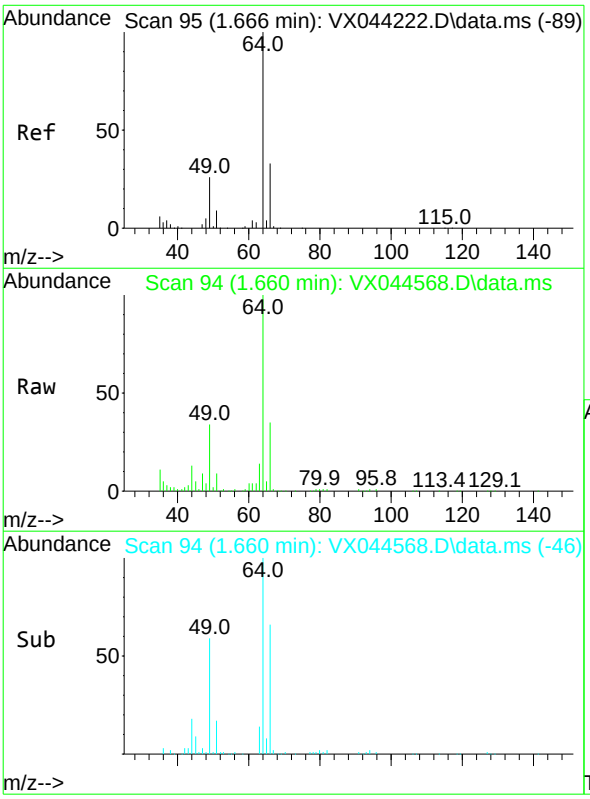
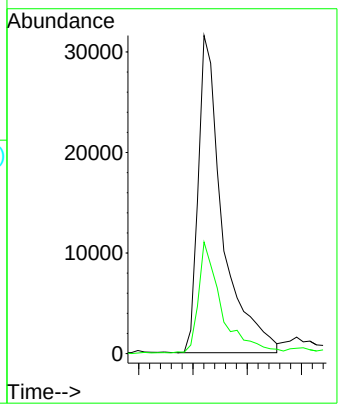


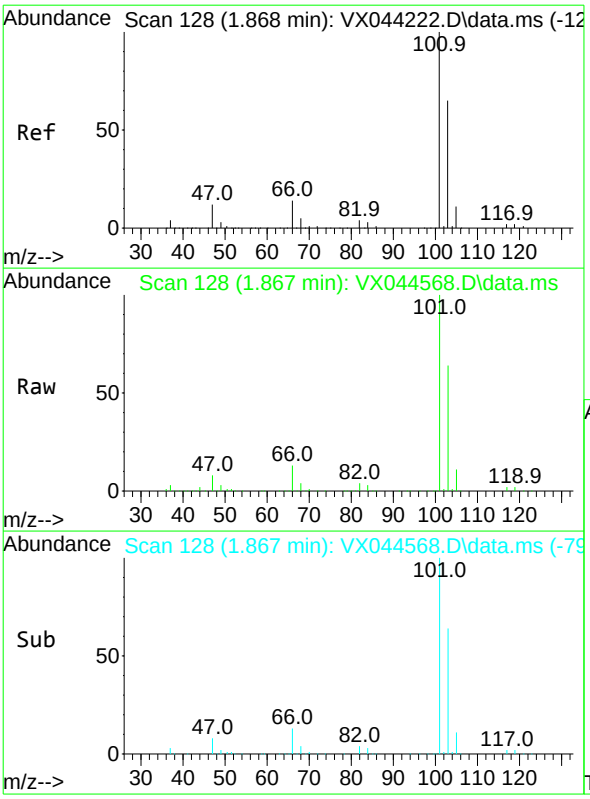


#6
Chloroethane
Concen: 40.263 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 64 Resp: 49004

Ion	Ratio	Lower	Upper
64	100		
66	34.6	26.6	39.8





#7
Trichlorofluoromethane
Concen: 43.689 ug/l
RT: 1.867 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:101 Resp: 167177

Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.8	77.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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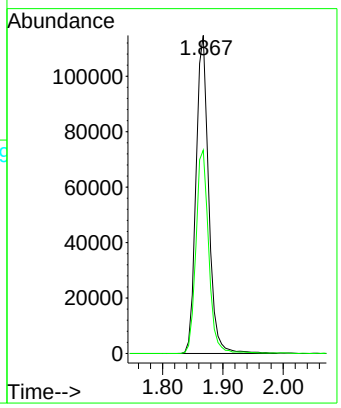
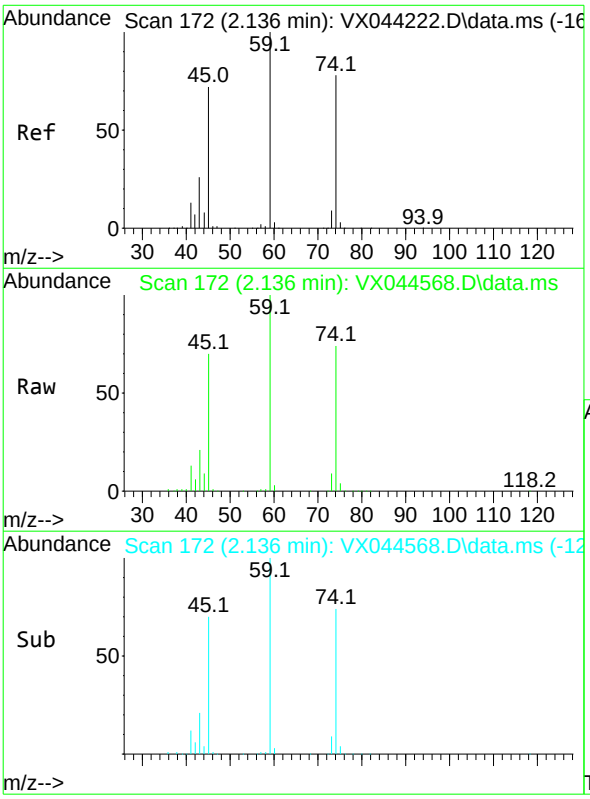
Supervised By :Mahesh Dadoda 01/02/2025

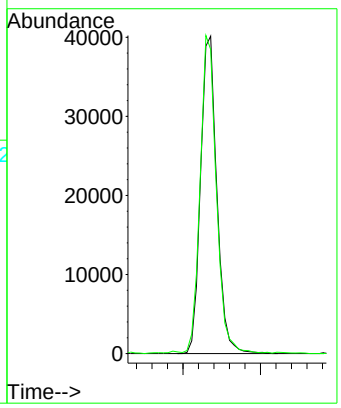


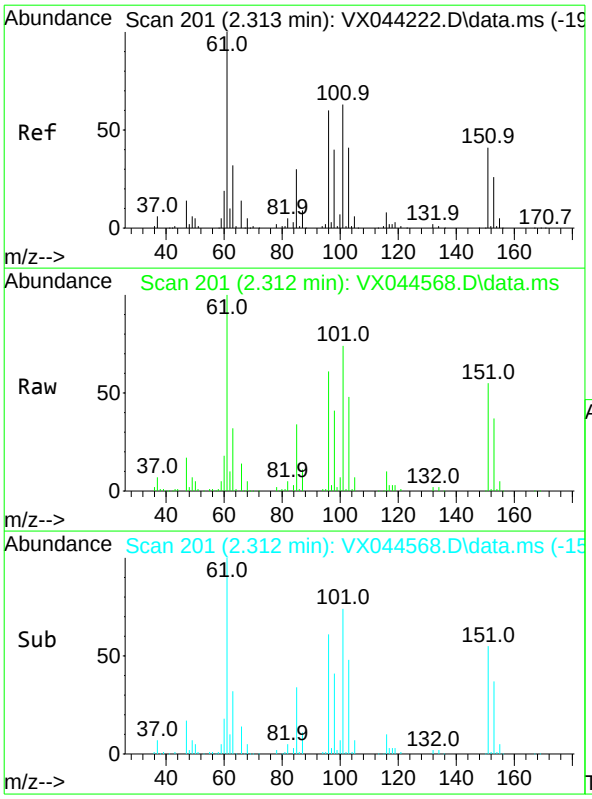


#8
Diethyl Ether
Concen: 44.744 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 74 Resp: 58442

Ion	Ratio	Lower	Upper
74	100		
45	99.1	48.4	145.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.708 ug/l
RT: 2.312 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 81612

Ion	Ratio	Lower	Upper
101	100		
85	45.9	38.5	57.7
151	74.8	55.8	83.6

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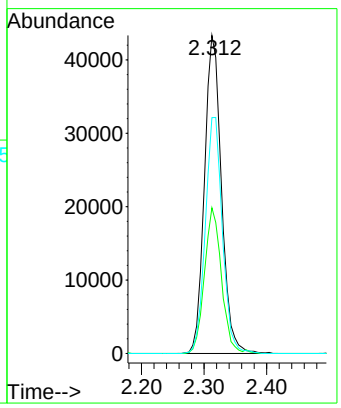
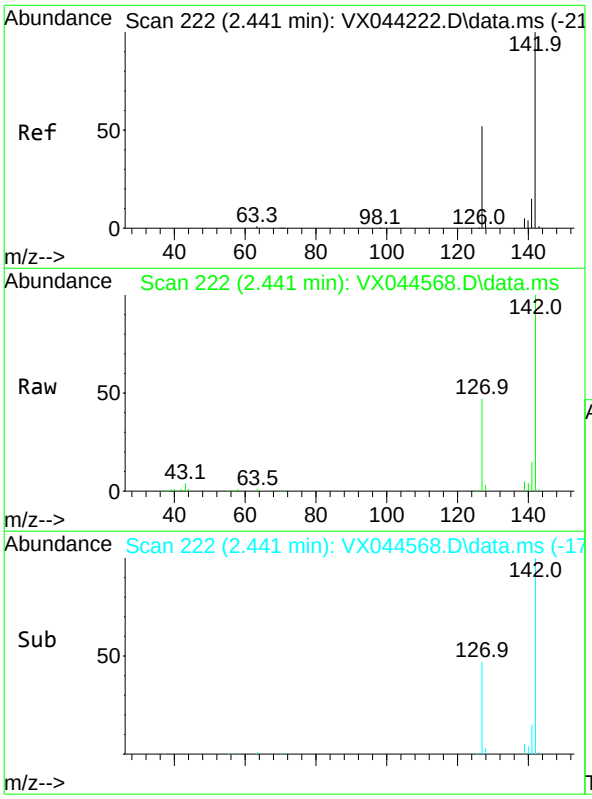
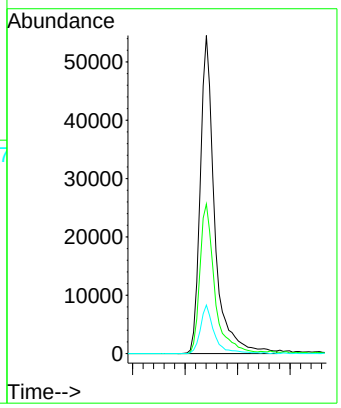


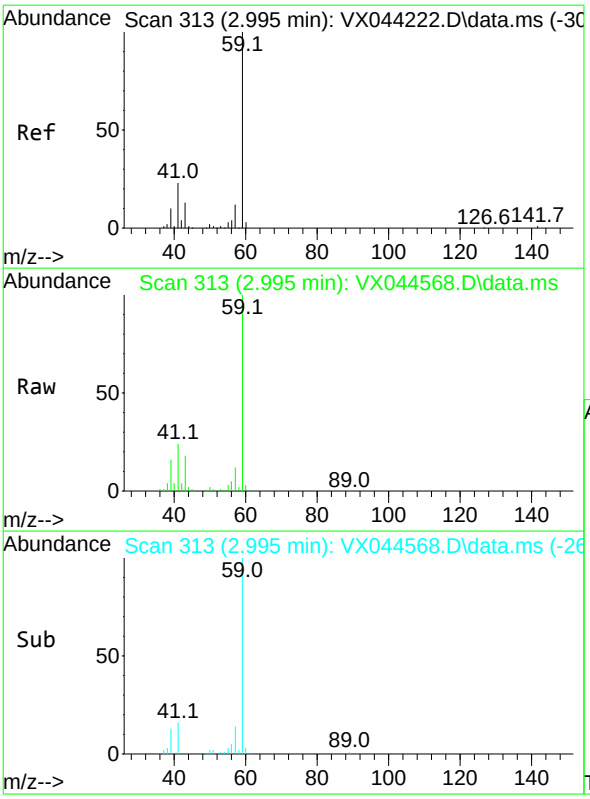


#10
Methyl Iodide
Concen: 51.077 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:142 Resp: 104234

Ion	Ratio	Lower	Upper
142	100		
127	48.1	41.8	62.8
141	14.7	11.5	17.3





#11
Tert butyl alcohol
Concen: 189.910 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 59 Resp: 59544

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.8	13.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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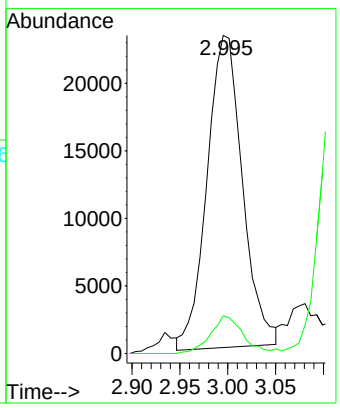
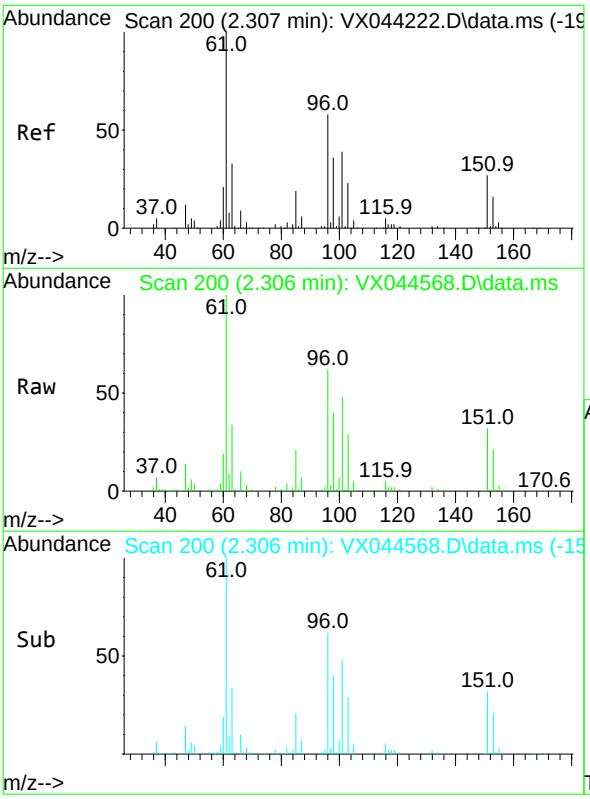
Supervised By :Mahesh Dadoda 01/02/2025

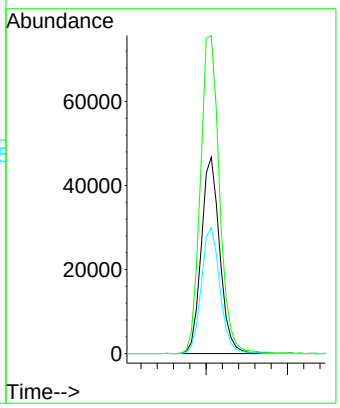


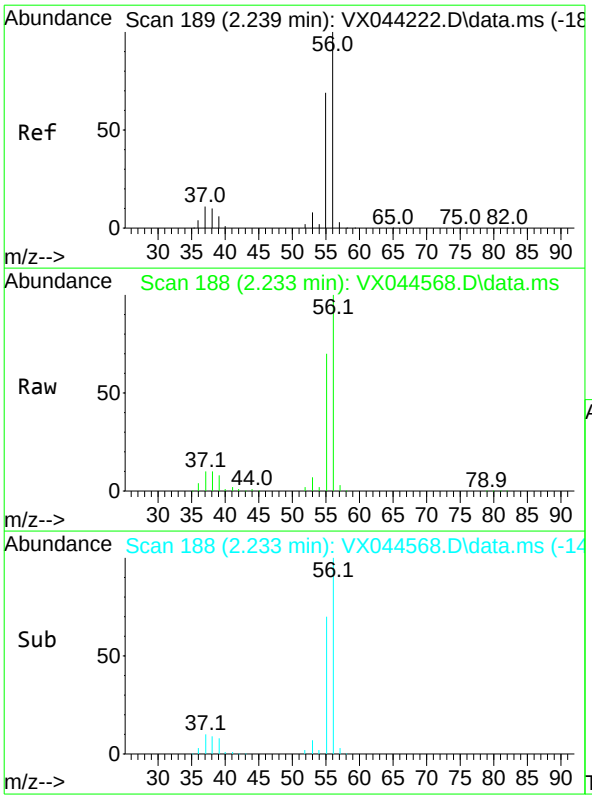


#12
1,1-Dichloroethene
Concen: 51.747 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 96 Resp: 73596

Ion	Ratio	Lower	Upper
96	100		
61	161.9	138.0	207.0
98	64.3	50.0	75.0





#13
Acrolein
Concen: 295.400 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 56 Resp: 134070

Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.6	84.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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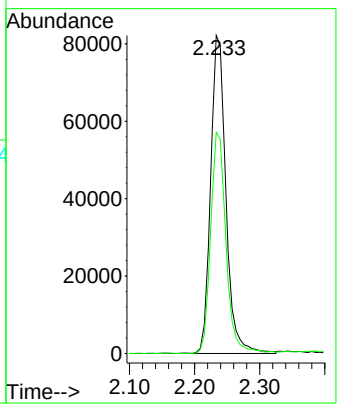
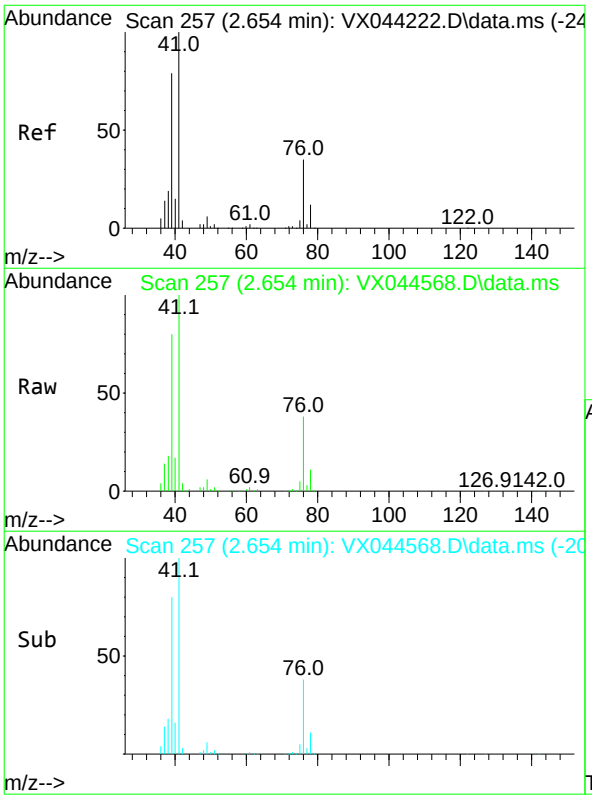
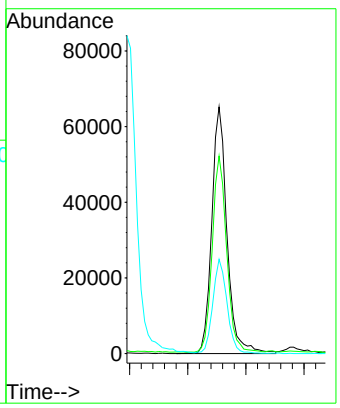


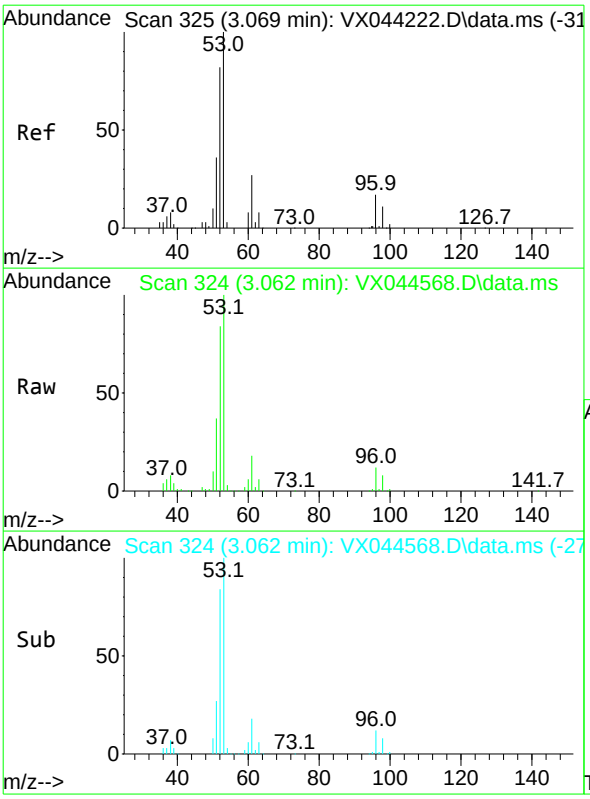


#14
Allyl chloride
Concen: 50.195 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 41 Resp: 118907

Ion	Ratio	Lower	Upper
41	100		
39	75.3	61.9	92.9
76	35.4	27.4	41.2





#15
Acrylonitrile
Concen: 238.263 ug/l
RT: 3.062 min Scan# 32
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 53 Resp: 206935

Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.4	101.0
51	36.6	30.3	45.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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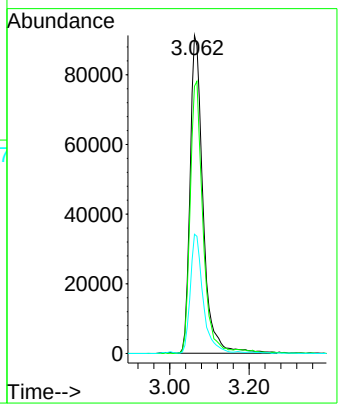
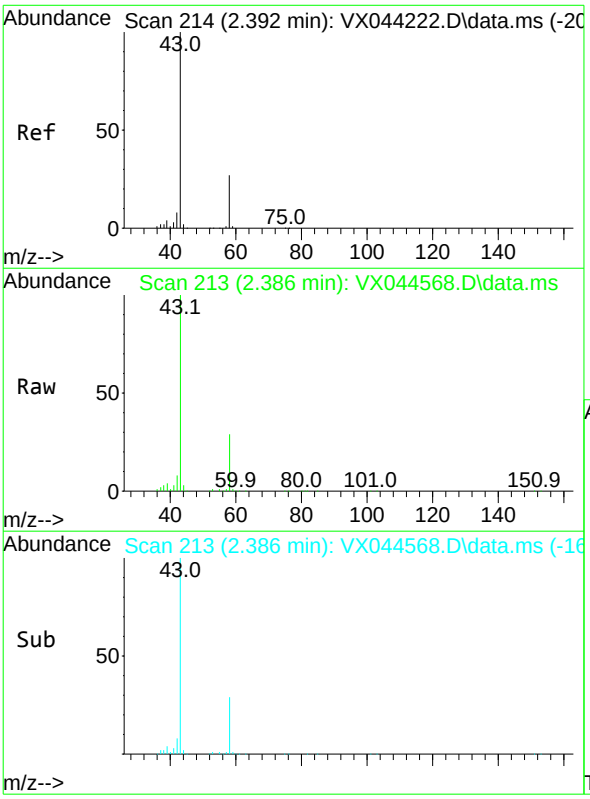
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

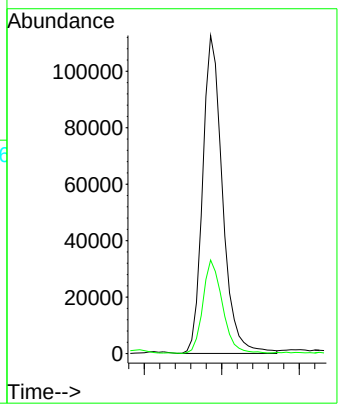


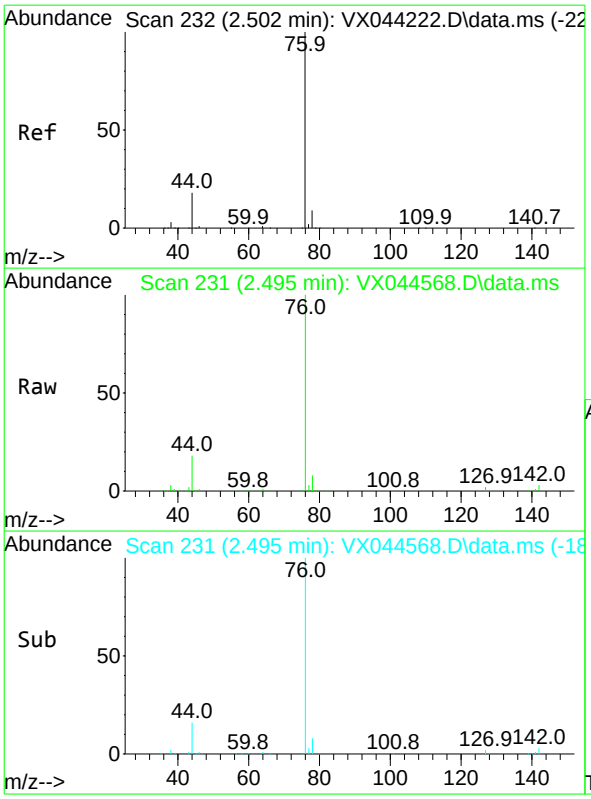


#16
Acetone
Concen: 221.151 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 43 Resp: 200578

Ion	Ratio	Lower	Upper
43	100		
58	29.3	21.6	32.4





#17
Carbon Disulfide
Concen: 54.464 ug/l
RT: 2.495 min Scan# 23
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 76 Resp: 147241

Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.4	11.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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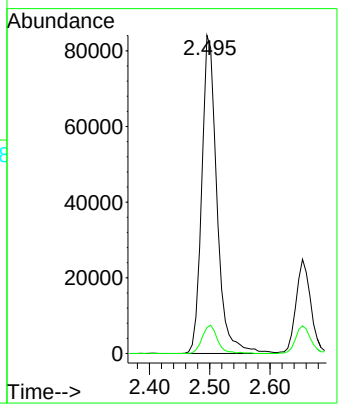
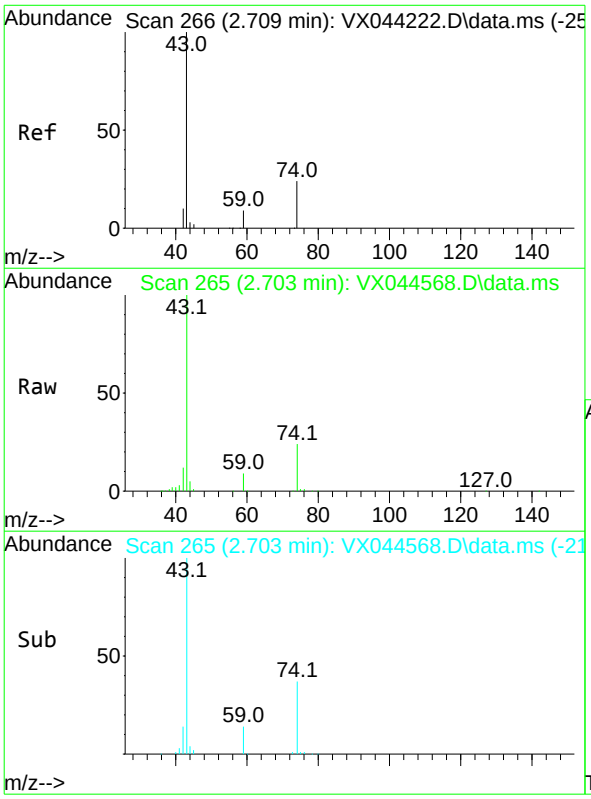
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

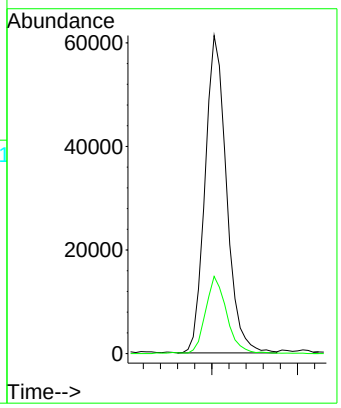


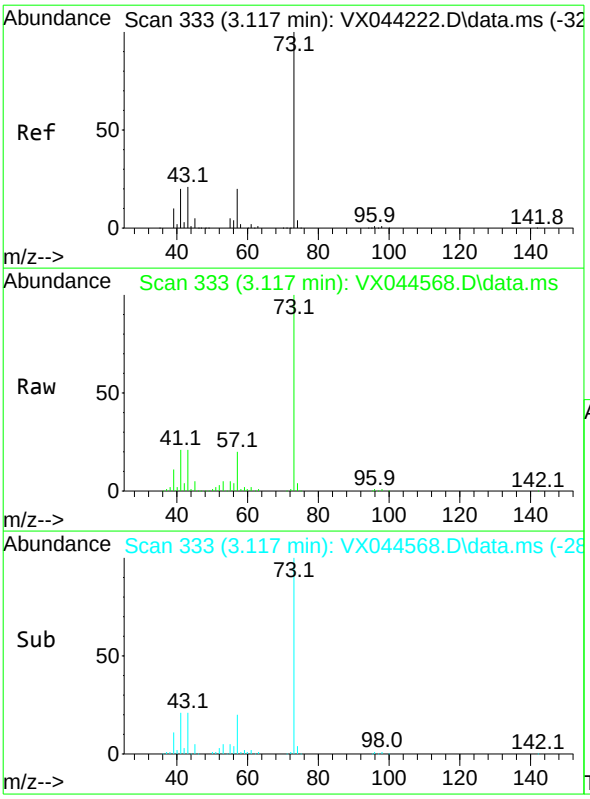


#18
Methyl Acetate
Concen: 45.684 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 43 Resp: 106832

Ion	Ratio	Lower	Upper
43	100		
74	24.0	17.7	26.5





#19
Methyl tert-butyl Ether
Concen: 46.410 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 73 Resp: 257573

Ion	Ratio	Lower	Upper
73	100		
57	20.3	16.2	24.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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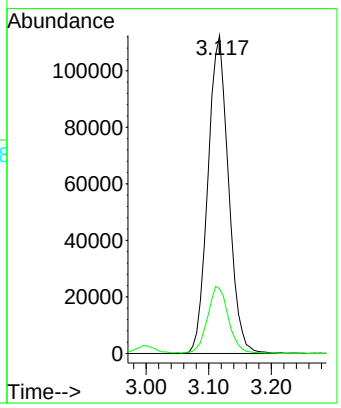
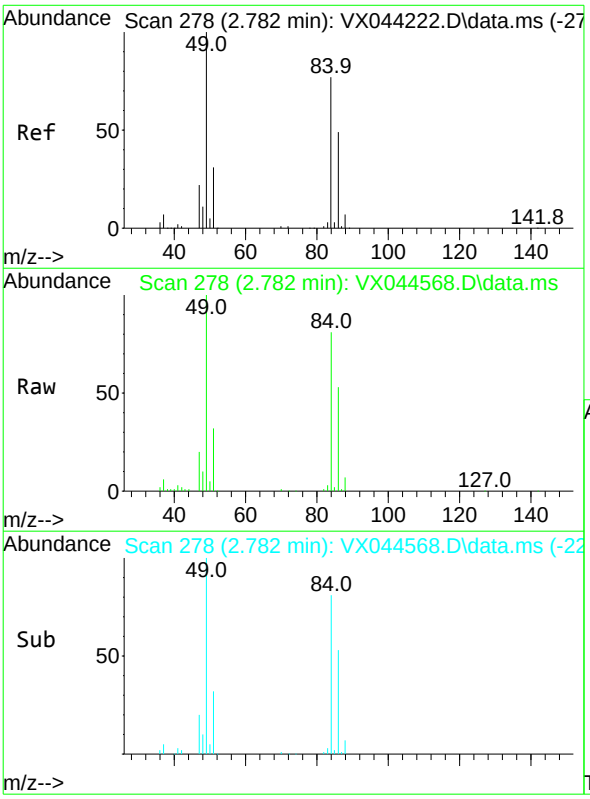
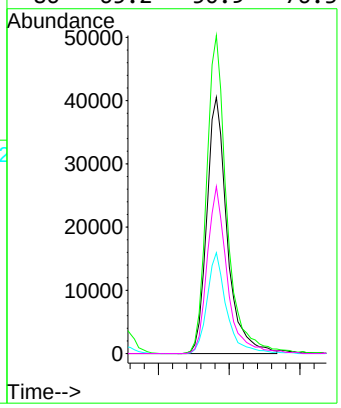


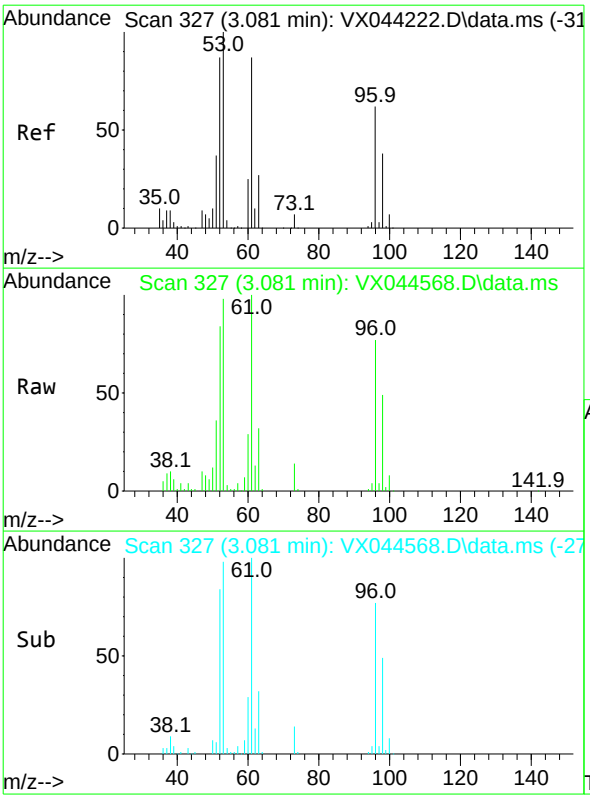


#20
Methylene Chloride
Concen: 47.500 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 84 Resp: 80917

Ion	Ratio	Lower	Upper
84	100		
49	124.1	104.2	156.4
51	39.3	32.2	48.4
86	65.2	50.9	76.3





#21
trans-1,2-Dichloroethene
Concen: 50.675 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 76596

Ion	Ratio	Lower	Upper
96	100		
61	129.2	112.0	168.0
98	63.7	48.8	73.2

Manual Integrations
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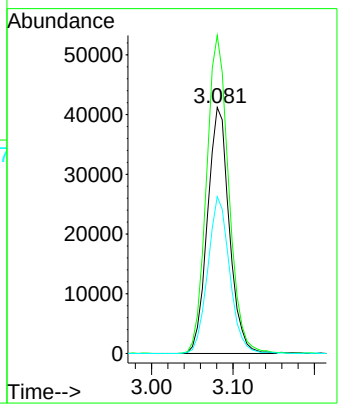
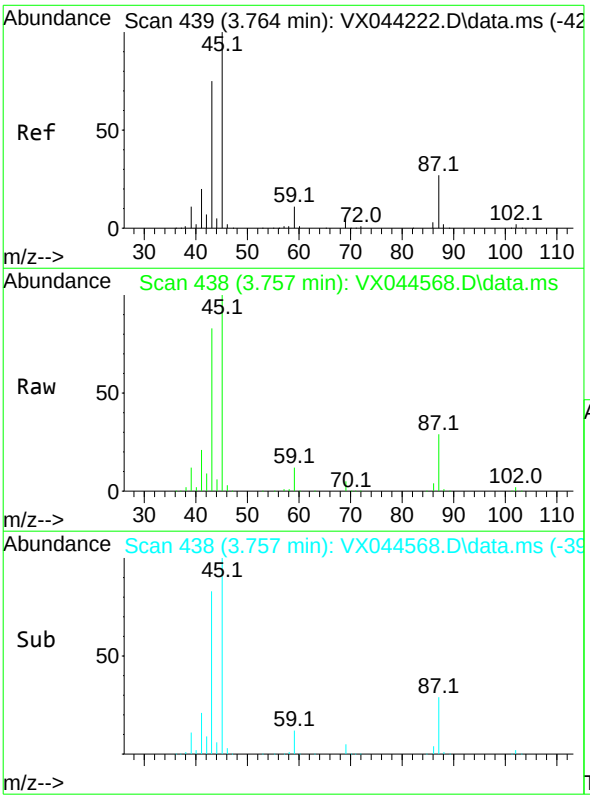
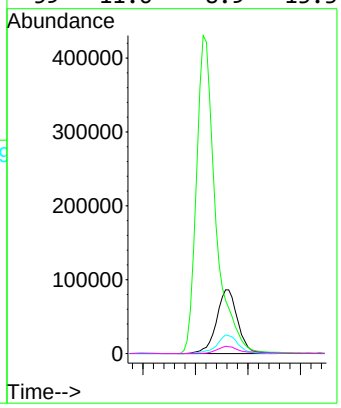


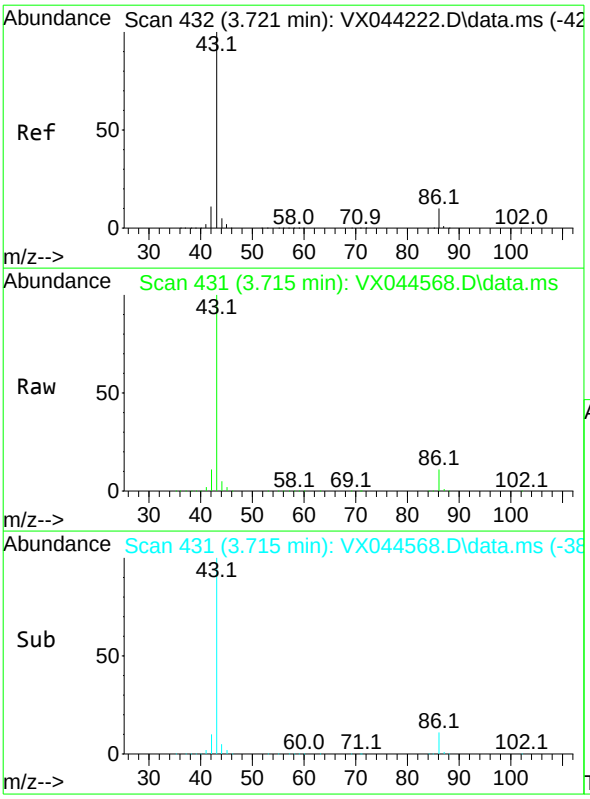


#22
Diisopropyl ether
Concen: 45.394 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 45 Resp: 242147

Ion	Ratio	Lower	Upper
45	100		
43	83.2	60.2	90.2
87	29.3	21.2	31.8
59	11.6	8.9	13.3





#23
Vinyl Acetate
Concen: 252.497 ug/l
RT: 3.715 min Scan# 43
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 43 Resp: 1095031

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.2	12.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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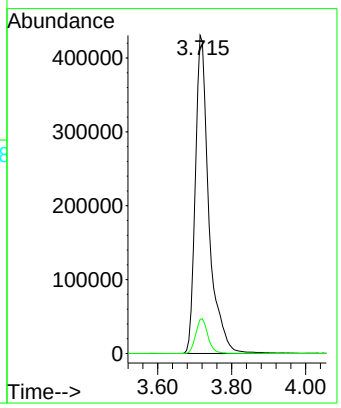
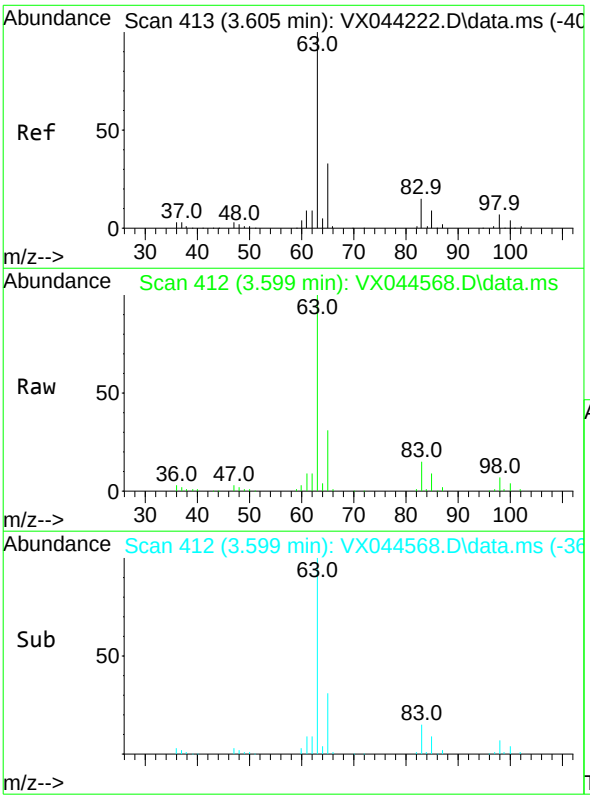
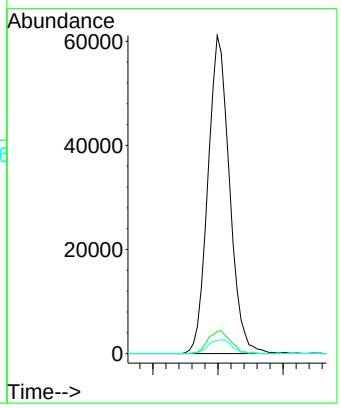


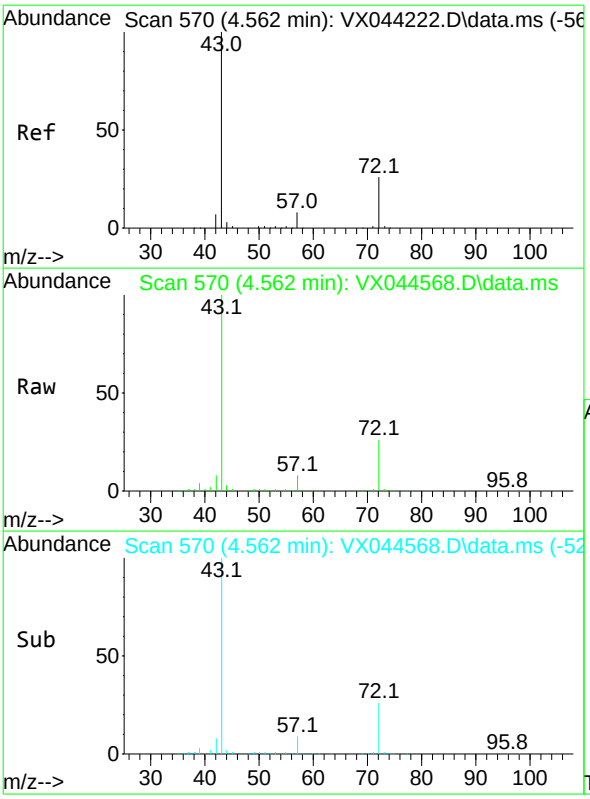


#24
1,1-Dichloroethane
Concen: 47.372 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 63 Resp: 140858

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.6	10.8
100	4.1	2.1	6.3





#25
2-Butanone
Concen: 227.270 ug/l
RT: 4.562 min Scan# 57
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 43 Resp: 293040

Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.2	30.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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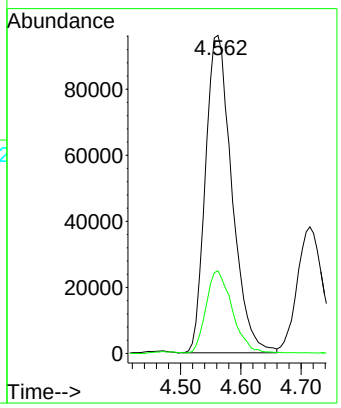
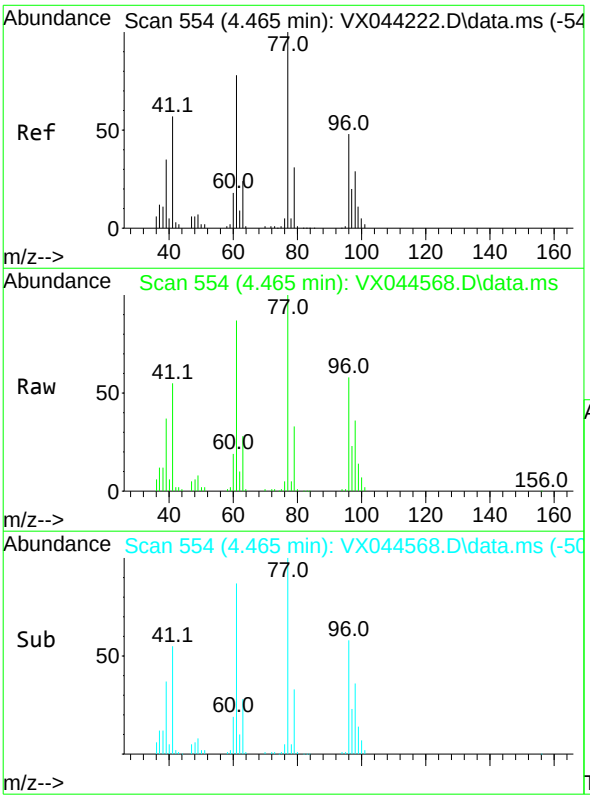
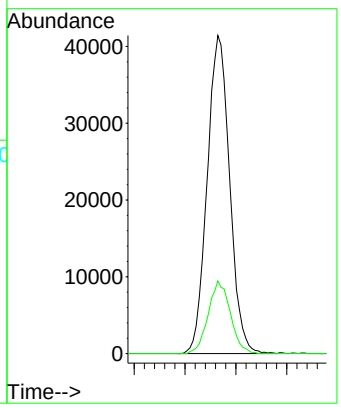


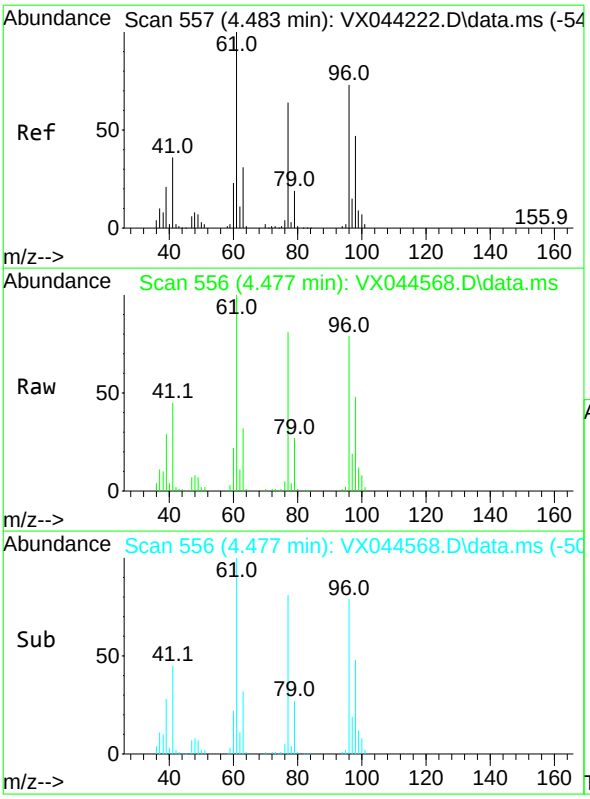


#26
2,2-Dichloropropane
Concen: 52.629 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 77 Resp: 127131

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 48.707 ug/l
RT: 4.477 min Scan# 55
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 96 Resp: 93500

Ion	Ratio	Lower	Upper
96	100		
61	141.3	0.0	299.0
98	63.6	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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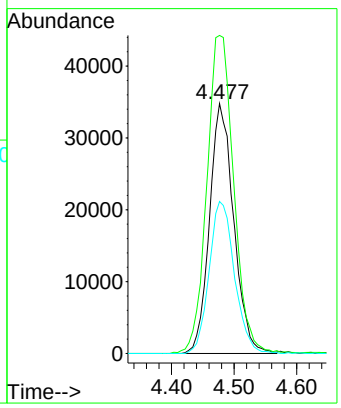
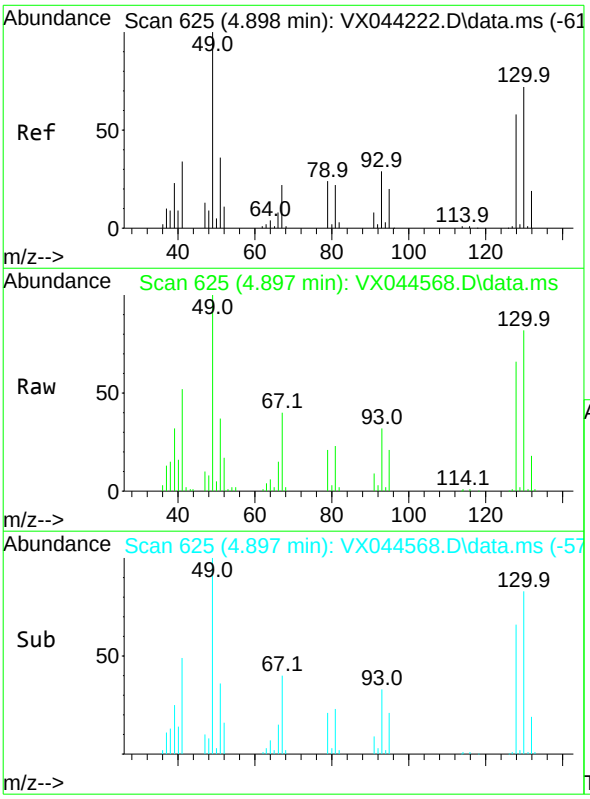
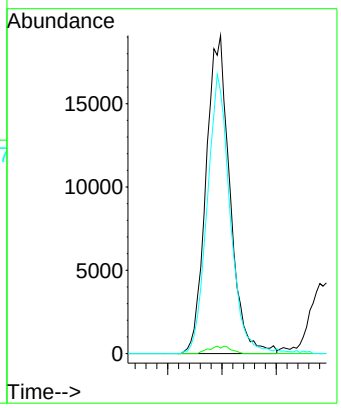


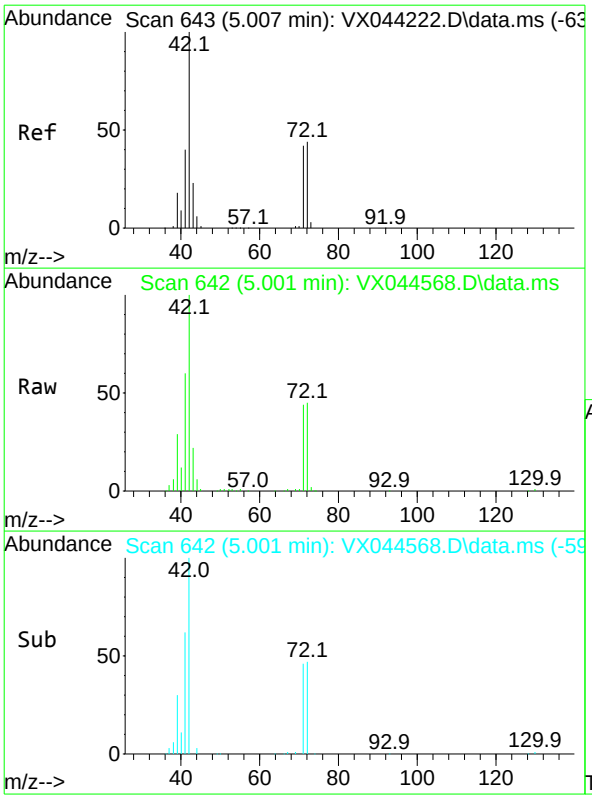


#28
Bromochloromethane
Concen: 40.106 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 49 Resp: 58477

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	83.6	62.1	93.1





#29
Tetrahydrofuran
Concen: 220.108 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 182165

Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.0	55.6
71	43.5	33.6	50.4

Manual Integrations
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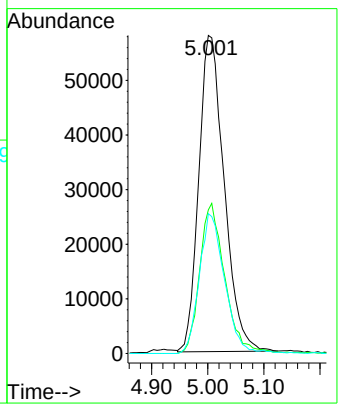
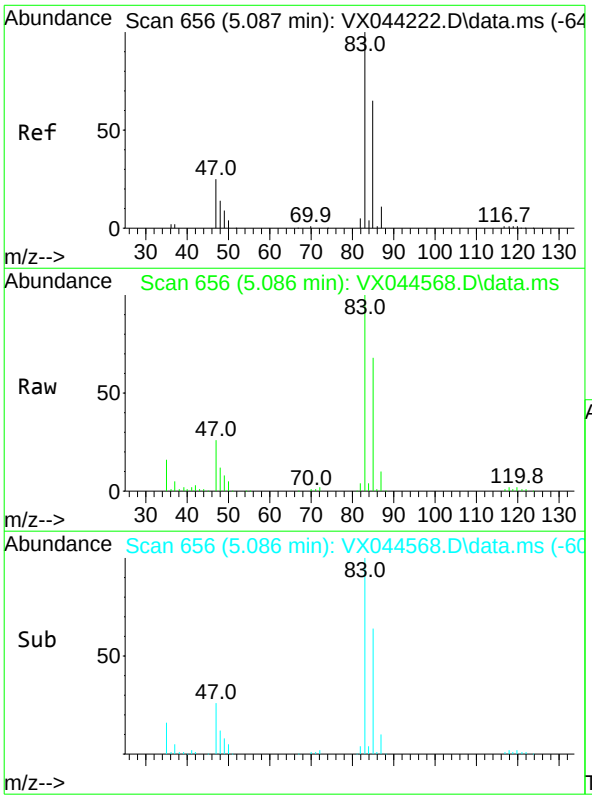
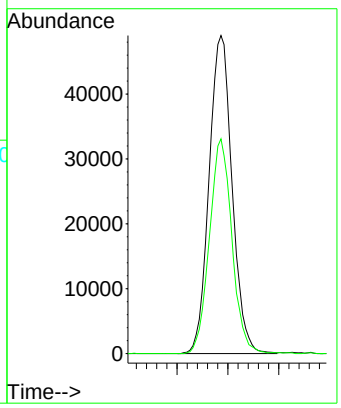


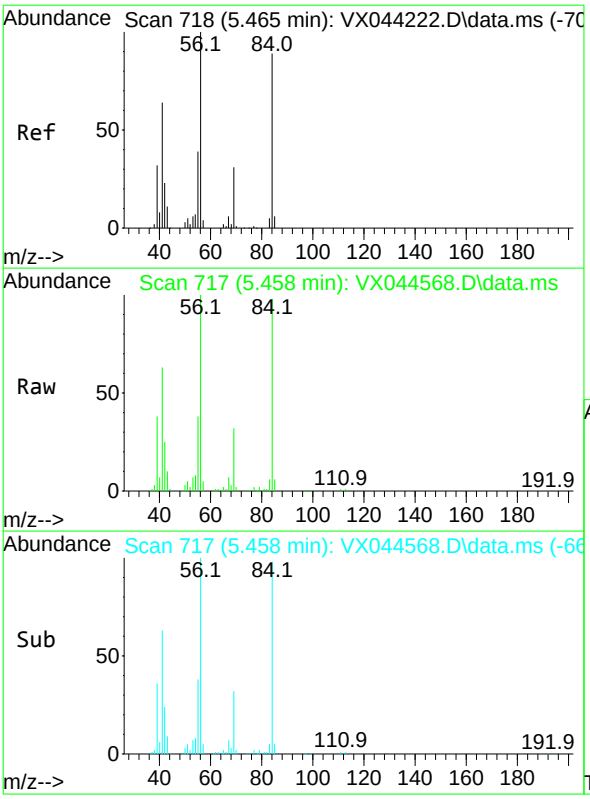


#30
Chloroform
Concen: 46.039 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 83 Resp: 153806

Ion	Ratio	Lower	Upper
83	100		
85	67.5	51.6	77.4





#31
Cyclohexane
Concen: 50.064 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 56 Resp: 120210

Ion	Ratio	Lower	Upper
56	100		
69	32.3	24.7	37.1
84	97.3	71.0	106.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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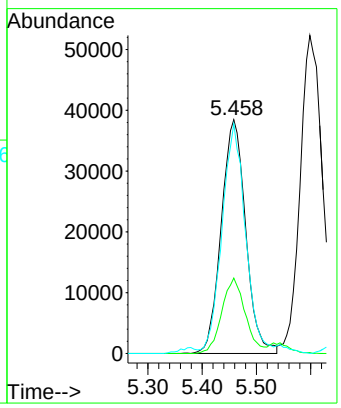
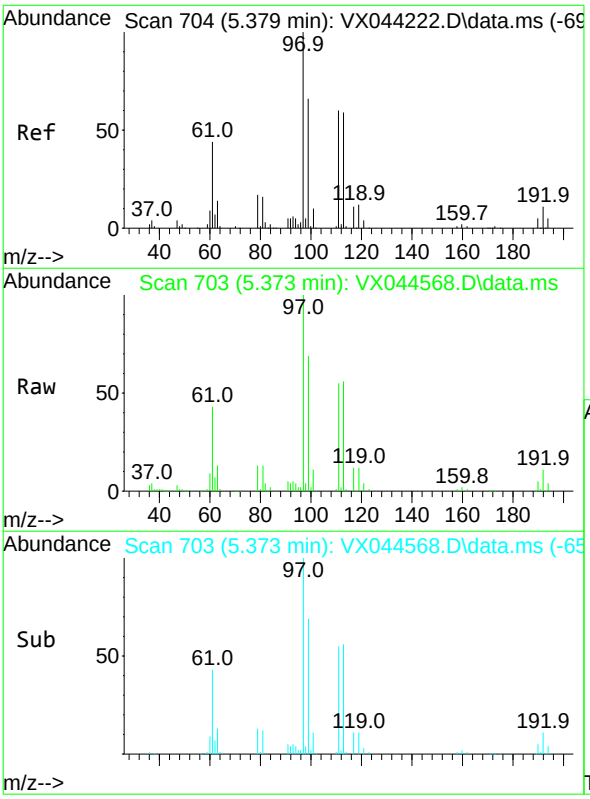
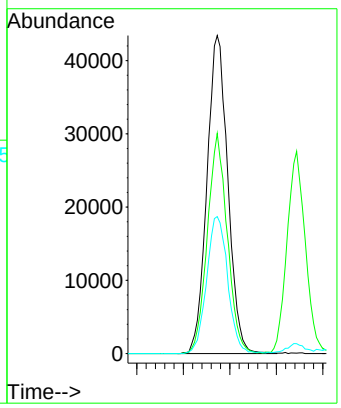


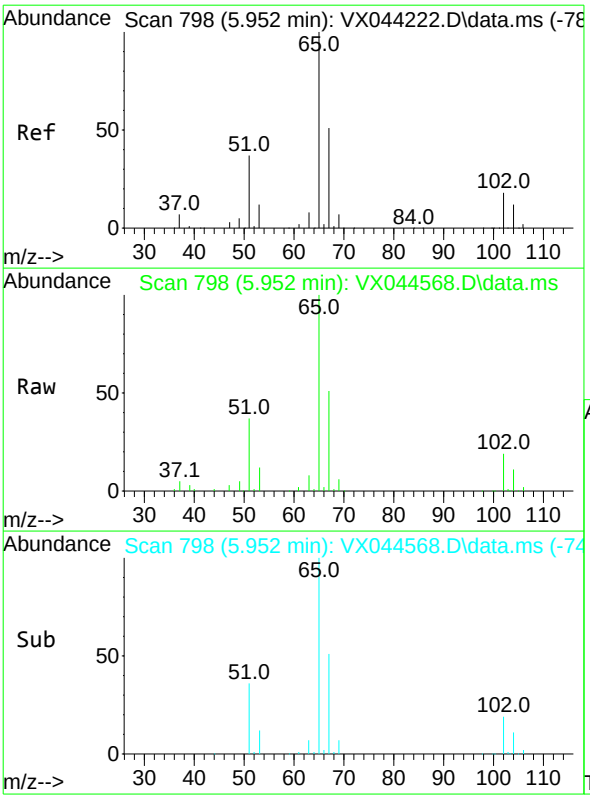


#32
1,1,1-Trichloroethane
Concen: 48.836 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 97 Resp: 135428

Ion	Ratio	Lower	Upper
97	100		
99	65.9	50.8	76.2
61	43.6	35.2	52.8





#33
1,2-Dichloroethane-d4
Concen: 40.585 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 65 Resp: 90290

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	101.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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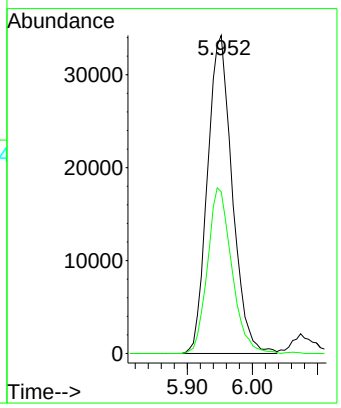
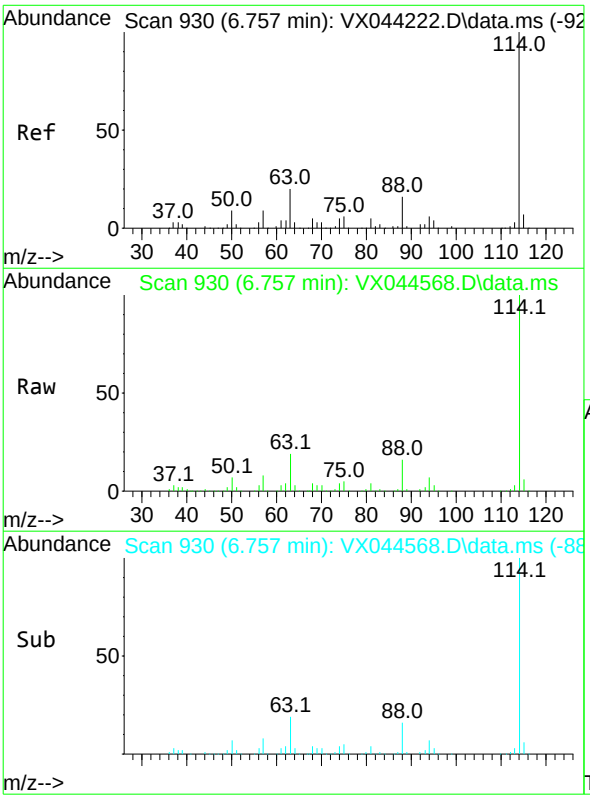
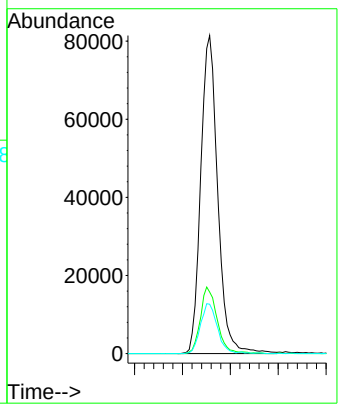


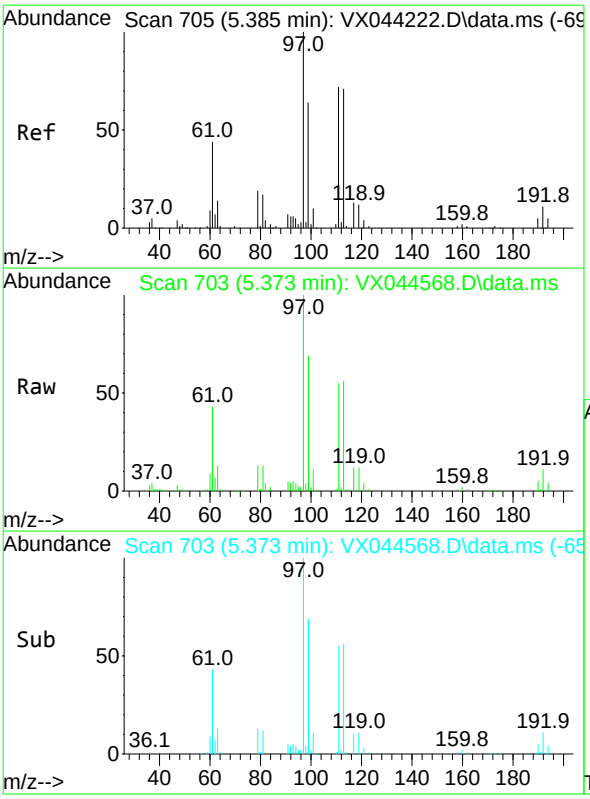


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:114 Resp: 200592

Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	40.6
88	15.5	0.0	31.8





#35
Dibromofluoromethane
Concen: 52.411 ug/l
RT: 5.373 min Scan# 70
Delta R.T. -0.012 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

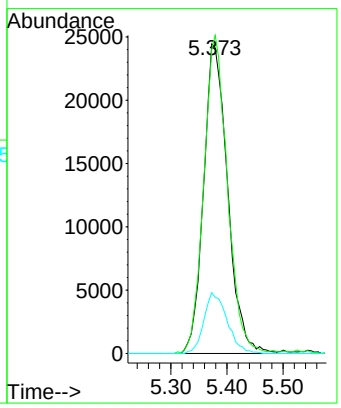
Tgt Ion:113 Resp: 72813

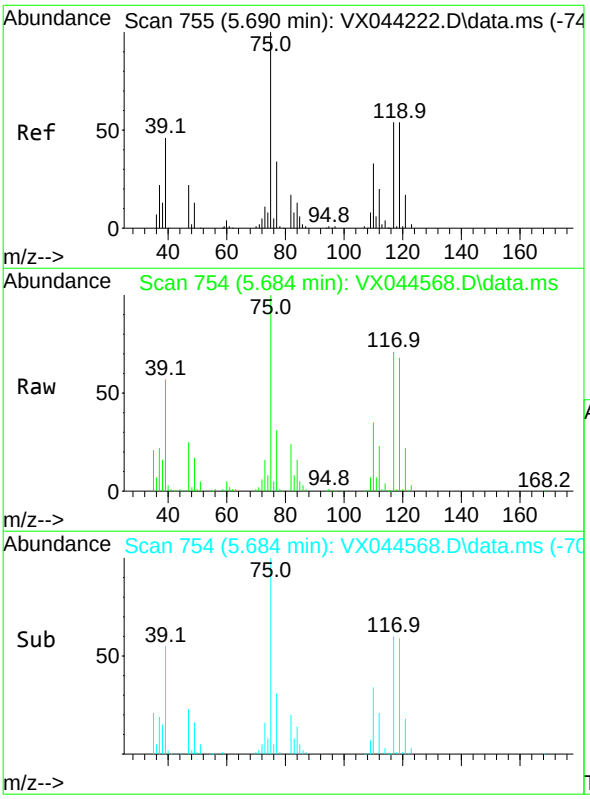
Ion	Ratio	Lower	Upper
113	100		
111	100.9	80.4	120.6
192	19.0	13.3	19.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

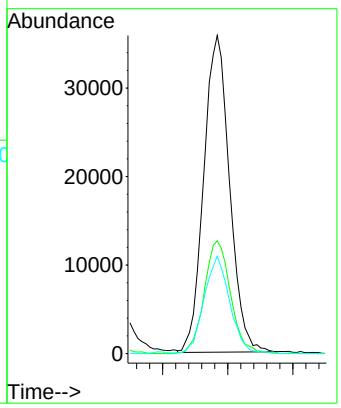


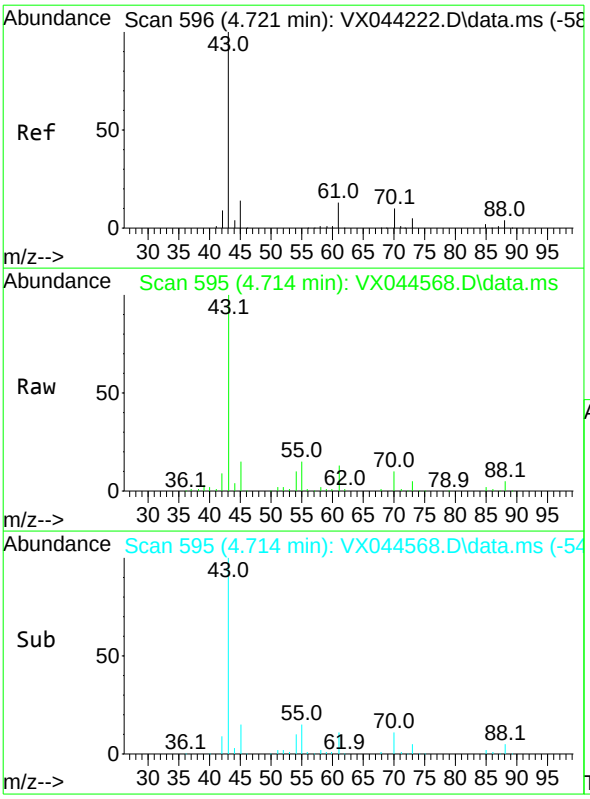


#36
1,1-Dichloropropene
Concen: 54.974 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 75 Resp: 98724

Ion	Ratio	Lower	Upper
75	100		
110	36.3	17.3	51.7
77	30.6	25.4	38.0





#37
Ethyl Acetate
Concen: 51.179 ug/l
RT: 4.714 min Scan# 59
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 43 Resp: 113611

Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.8	14.8
70	10.4	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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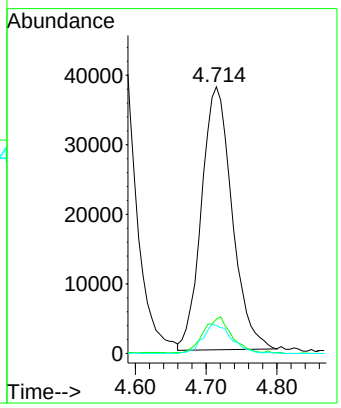
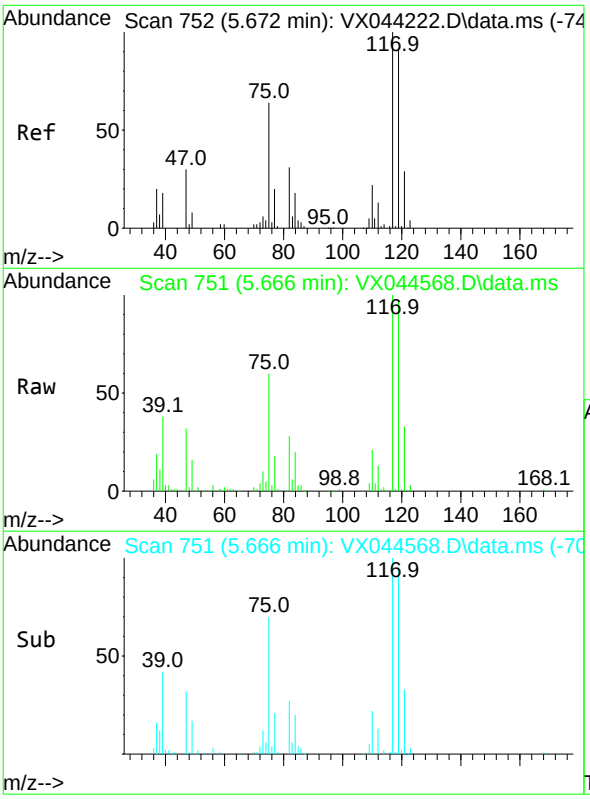
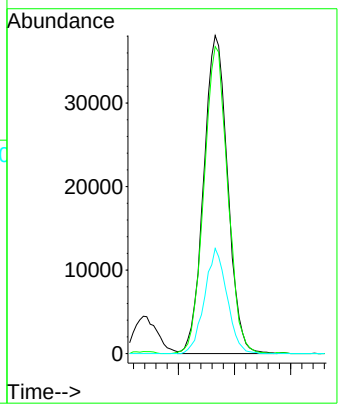


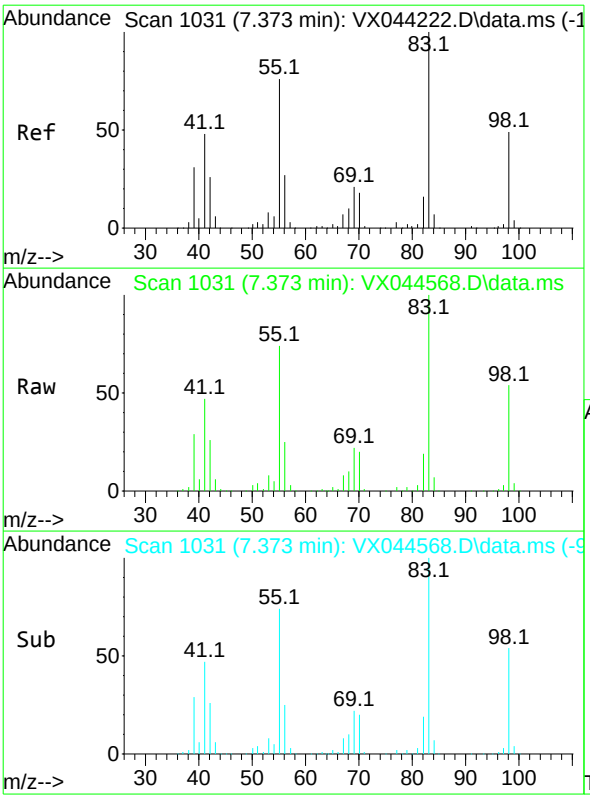


#38
Carbon Tetrachloride
Concen: 58.493 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:117 Resp: 113090

Ion	Ratio	Lower	Upper
117	100		
119	96.2	74.2	111.4
121	33.0	23.0	34.6





#39
Methylcyclohexane
Concen: 62.218 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 83 Resp: 133574

Ion	Ratio	Lower	Upper
83	100		
55	74.2	60.7	91.1
98	54.2	38.9	58.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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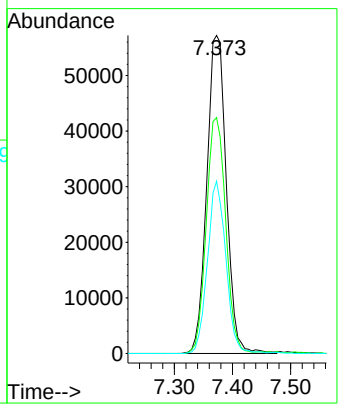
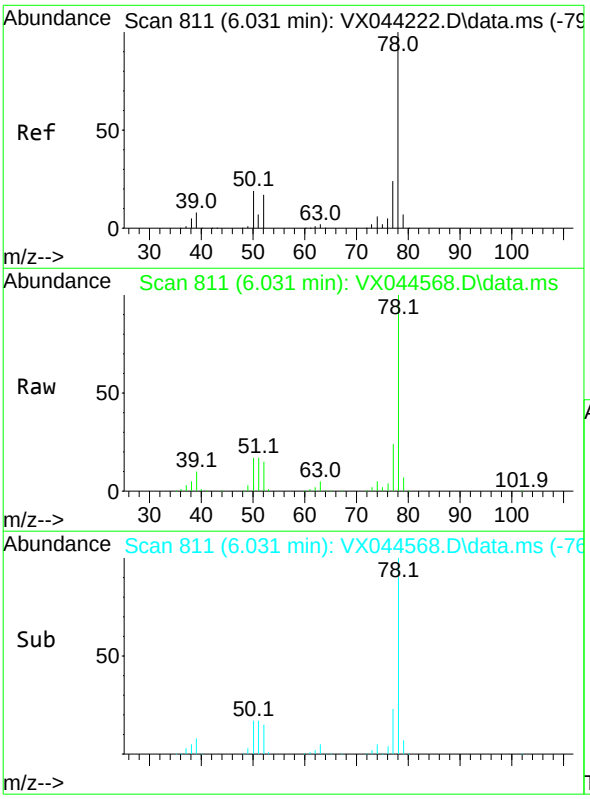
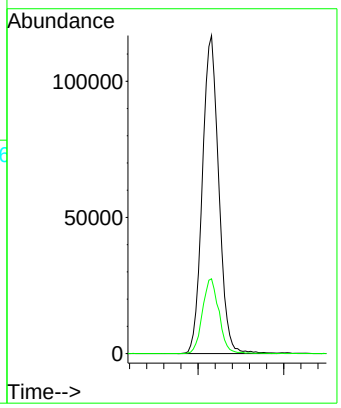


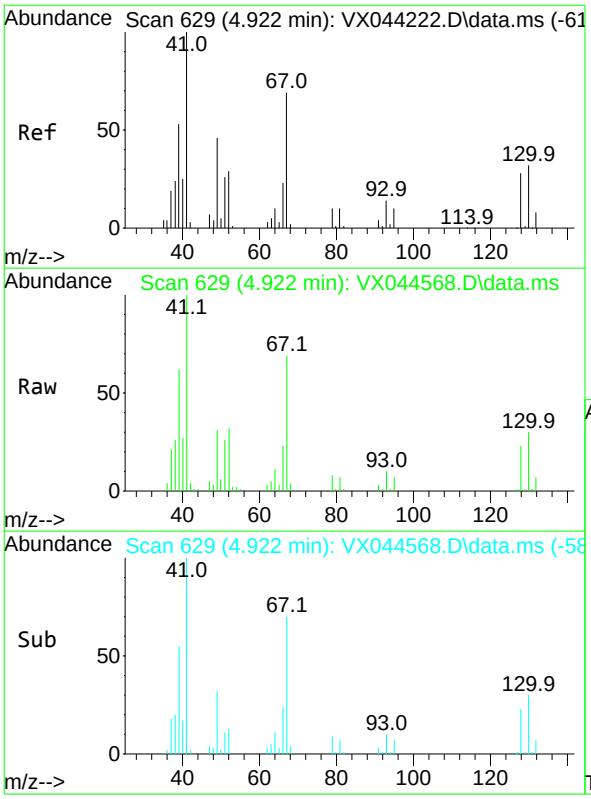


#40
Benzene
Concen: 56.956 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 78 Resp: 310549

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.3	28.9





#41
Methacrylonitrile
Concen: 53.187 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 41 Resp: 62695

Ion	Ratio	Lower	Upper
41	100		
39	56.7	44.2	66.4
67	71.8	57.2	85.8
52	32.9	24.6	37.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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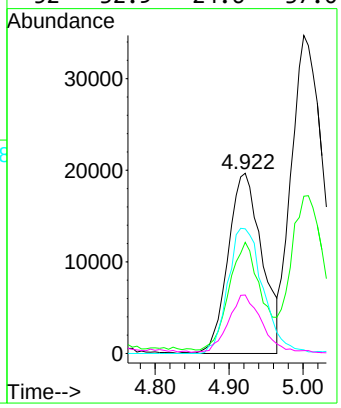
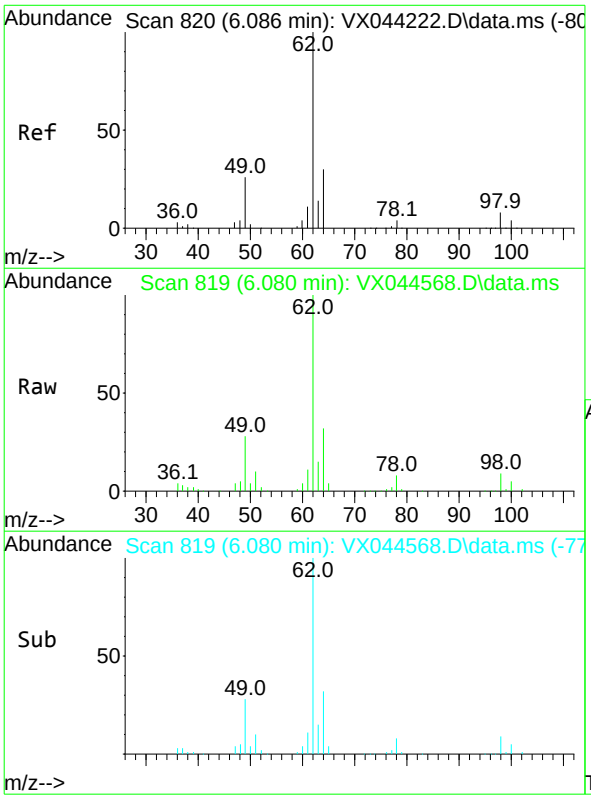
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

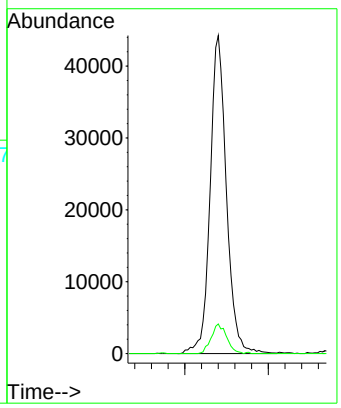


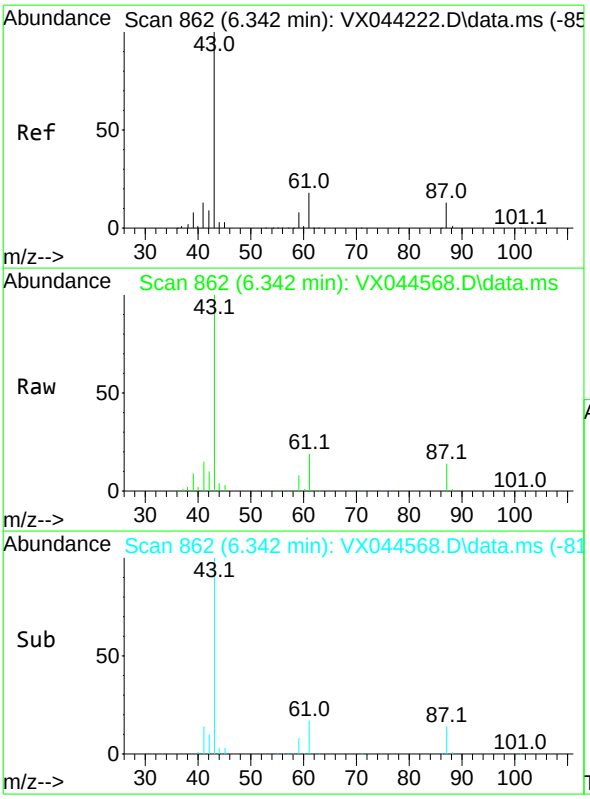


#42
1,2-Dichloroethane
Concen: 53.442 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 62 Resp: 120034

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	15.8





#43
Isopropyl Acetate
Concen: 52.612 ug/l
RT: 6.342 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 43 Resp: 182544

Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.2	21.2
87	13.6	10.2	15.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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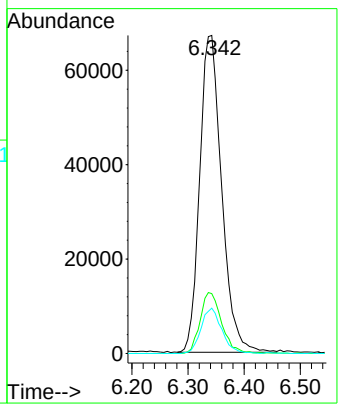
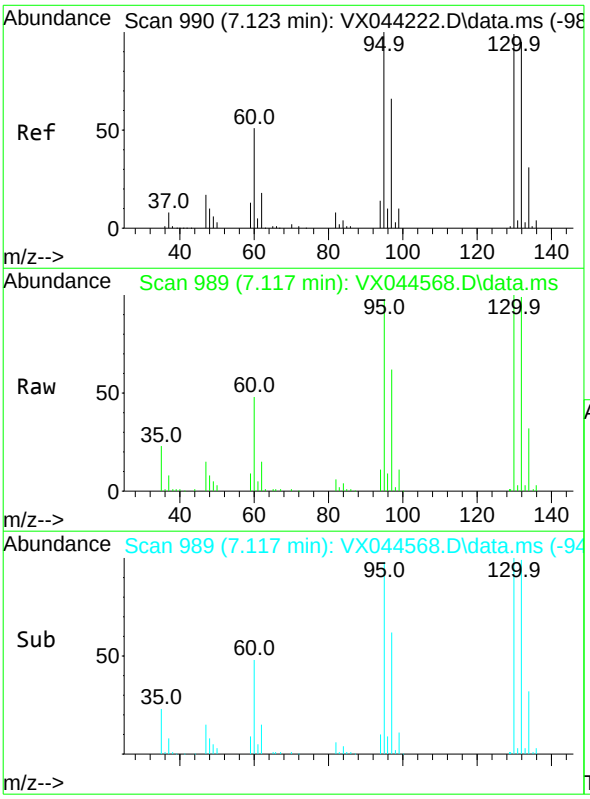
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

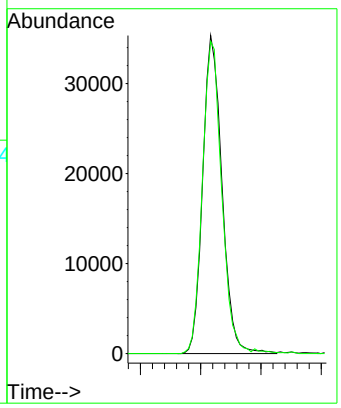


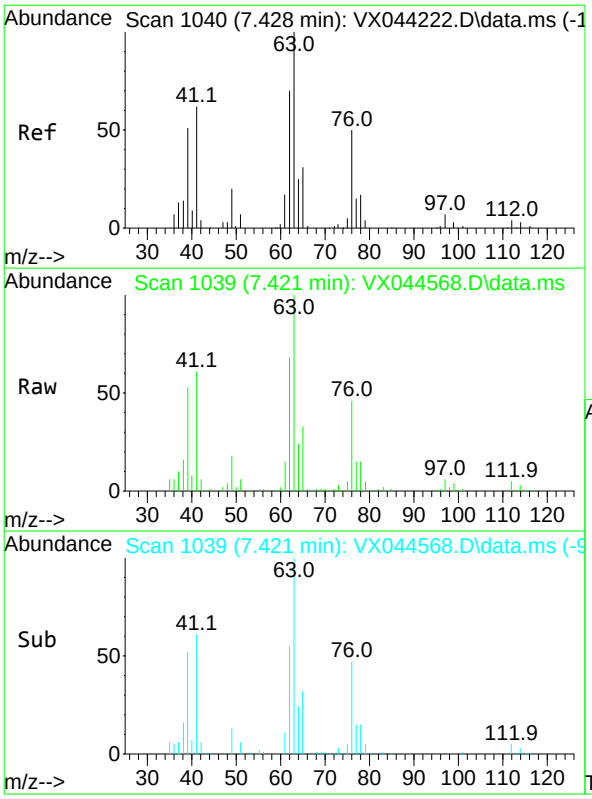


#44
Trichloroethene
Concen: 57.737 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:130 Resp: 78505

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	201.4





#45
1,2-Dichloropropane
Concen: 54.613 ug/l
RT: 7.421 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 63 Resp: 76077

Ion	Ratio	Lower	Upper
63	100		
65	32.7	24.6	37.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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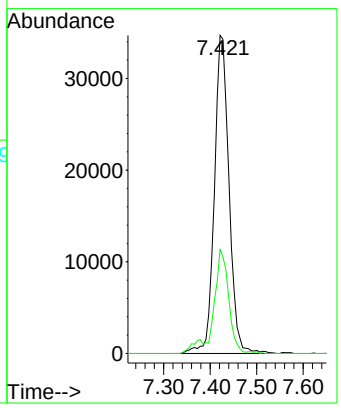
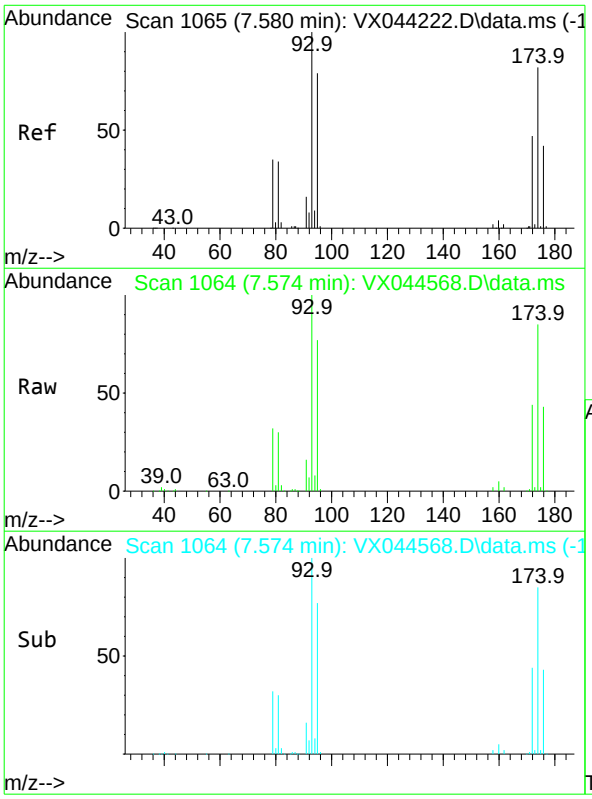
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

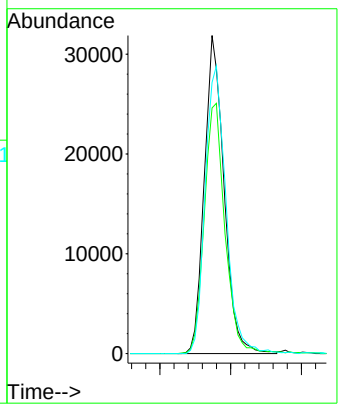


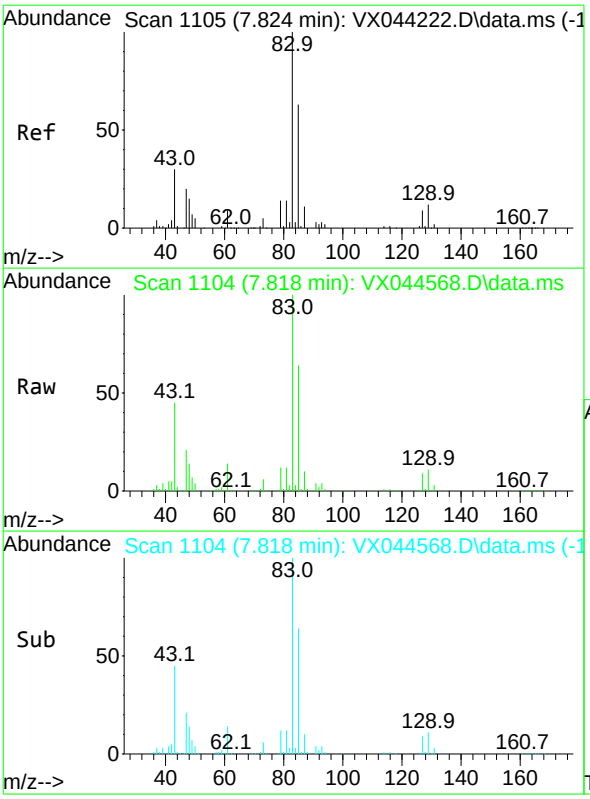


#46
Dibromomethane
Concen: 57.127 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 93 Resp: 61737

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.4	98.2
174	95.4	67.9	101.9





#47
Bromodichloromethane
Concen: 58.502 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

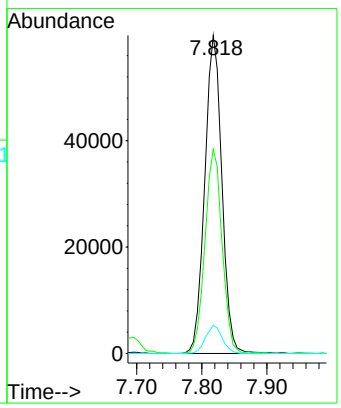
Tgt Ion: 83 Resp: 109189

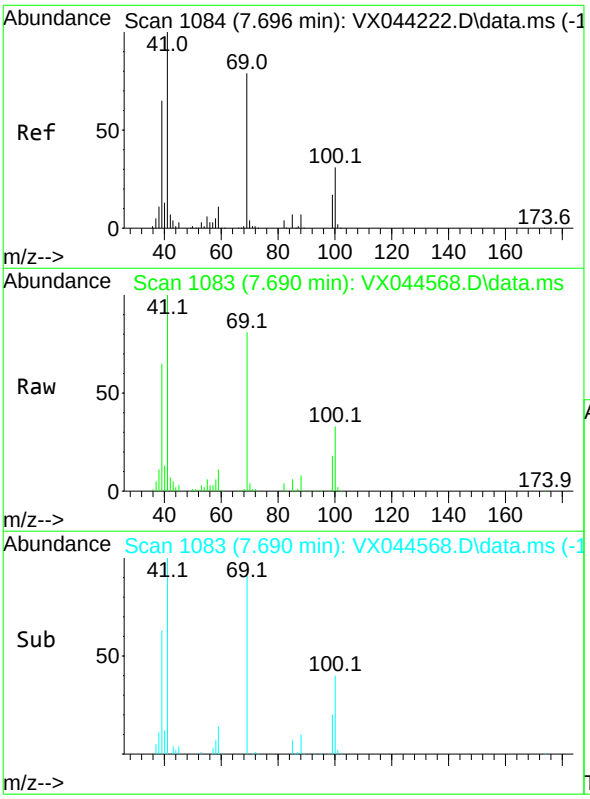
Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.6	75.8
127	8.8	7.3	10.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

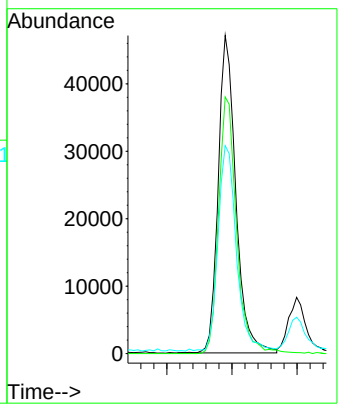


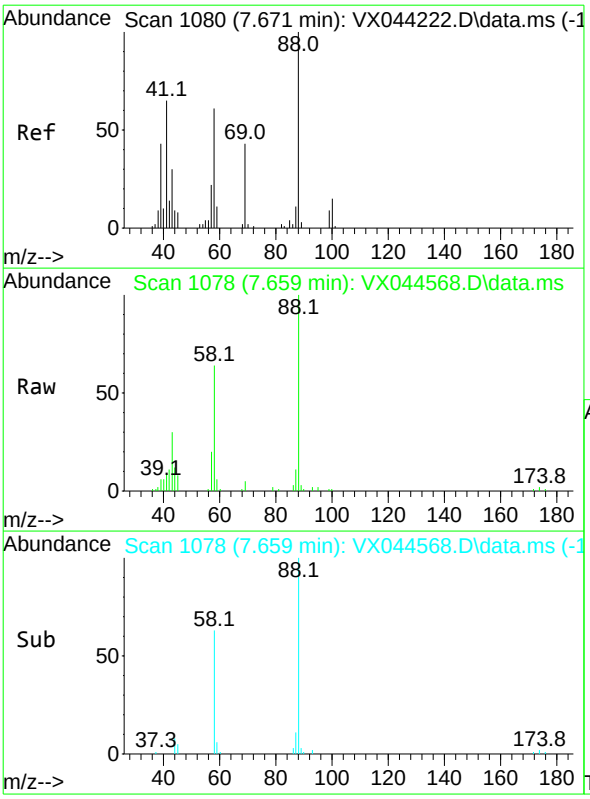


#48
Methyl methacrylate
Concen: 52.647 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 41 Resp: 88670

Ion	Ratio	Lower	Upper
41	100		
69	82.1	62.4	93.6
39	65.6	53.3	79.9





#49
1,4-Dioxane
Concen: 842.492 ug/l
RT: 7.659 min Scan# 10
Delta R.T. -0.012 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 88 Resp: 23526

Ion	Ratio	Lower	Upper
88	100		
43	45.5	27.1	40.7#
58	85.9	41.0	61.4#

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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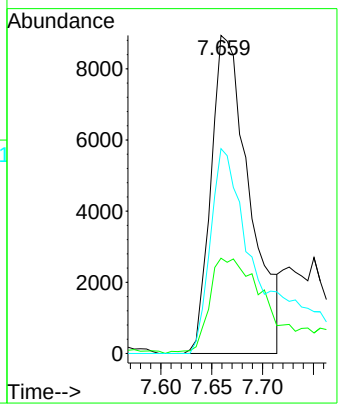
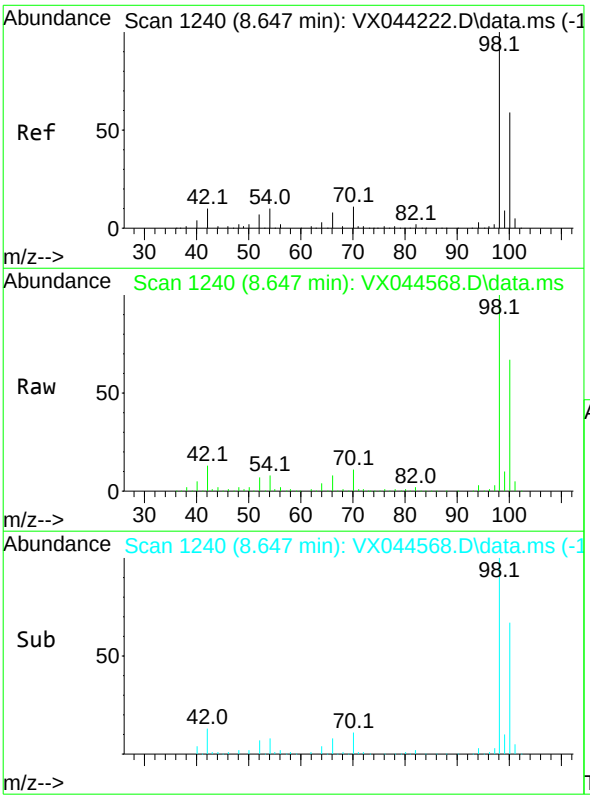
Supervised By :Mahesh Dadoda 01/02/2025

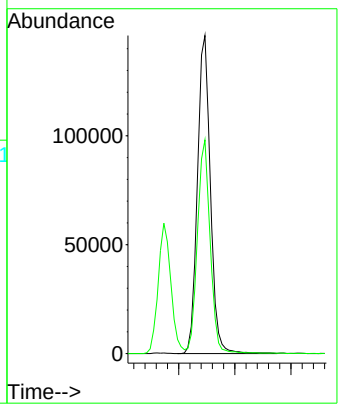


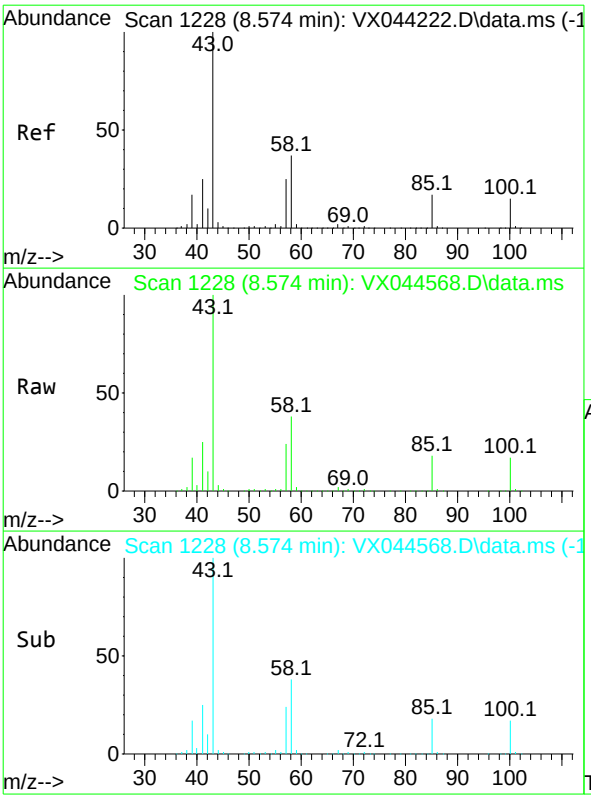


#50
Toluene-d8
Concen: 50.065 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 98 Resp: 234656

Ion	Ratio	Lower	Upper
98	100		
100	65.8	51.5	77.3





#51
4-Methyl-2-Pentanone
Concen: 261.860 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 43 Resp: 584184

Ion	Ratio	Lower	Upper
43	100		
58	37.6	29.4	44.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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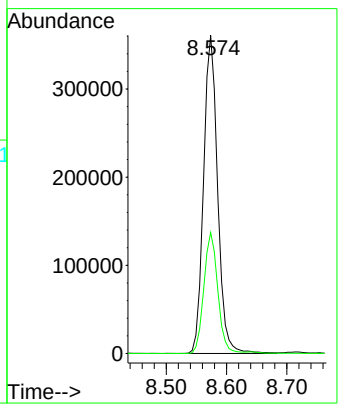
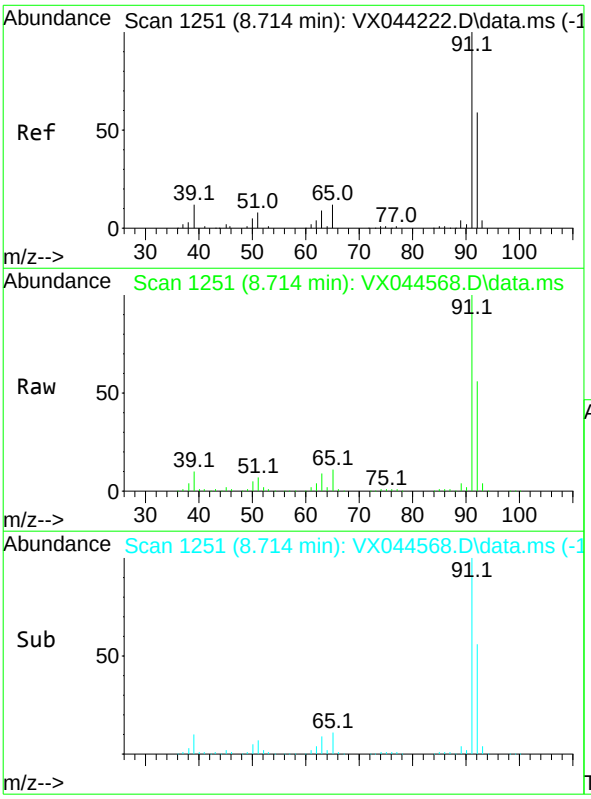
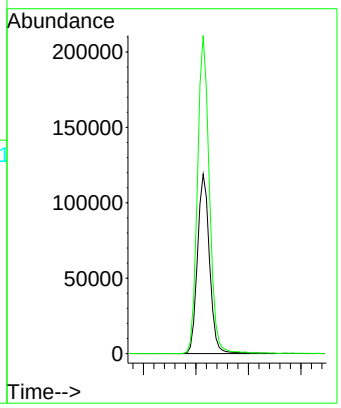


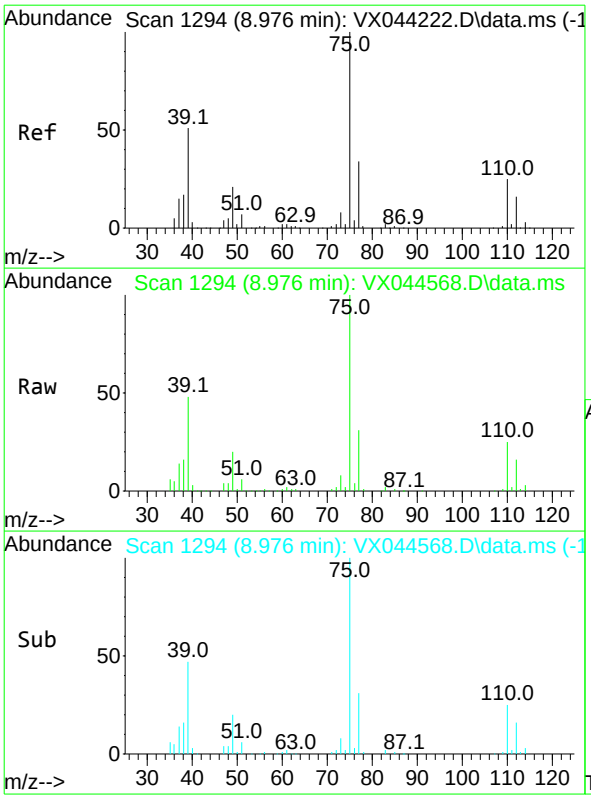


#52
Toluene
Concen: 55.324 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 92 Resp: 189430

Ion	Ratio	Lower	Upper
92	100		
91	175.0	137.0	205.6





#53
t-1,3-Dichloropropene
Concen: 55.413 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 75 Resp: 111851

Ion	Ratio	Lower	Upper
75	100		
77	31.3	27.2	40.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 01/02/2025
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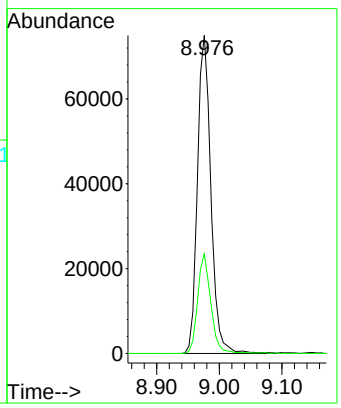
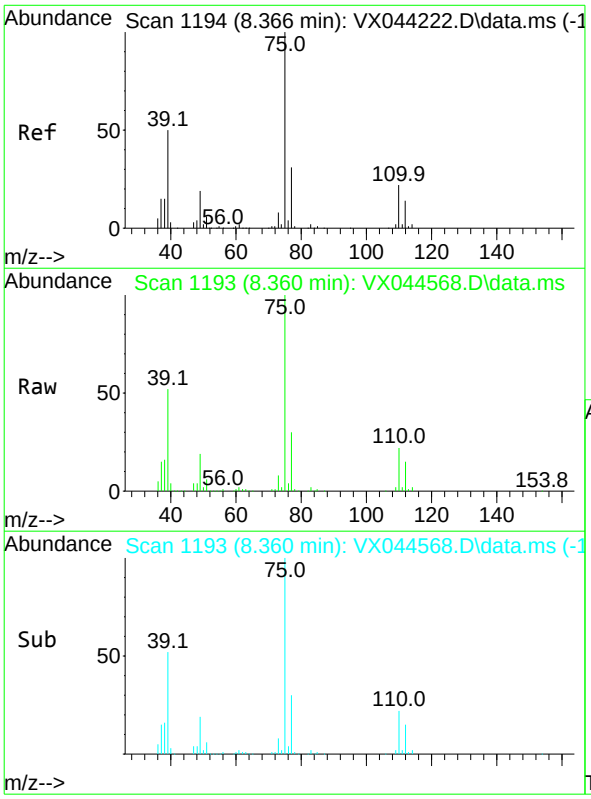
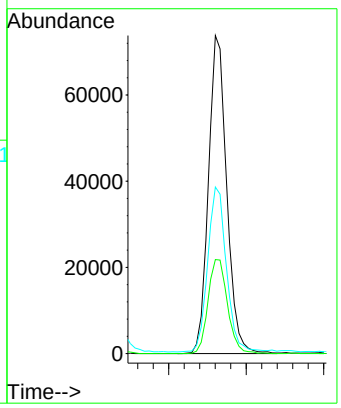


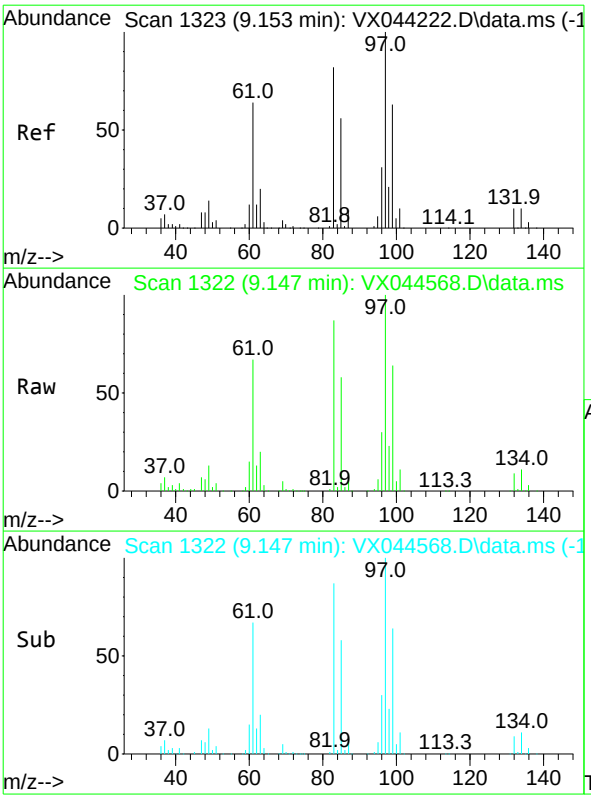


#54
cis-1,3-Dichloropropene
Concen: 59.484 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 75 Resp: 120884

Ion	Ratio	Lower	Upper
75	100		
77	29.6	24.7	37.1
39	51.8	40.3	60.5

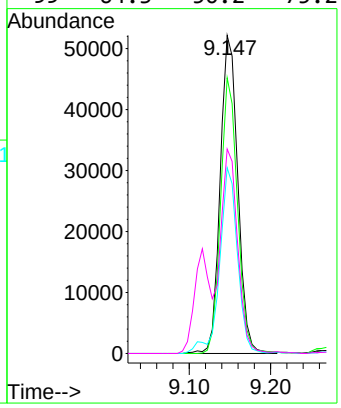




#55
1,1,2-Trichloroethane
Concen: 57.575 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 97 Resp: 78317

Ion	Ratio	Lower	Upper
97	100		
83	86.7	65.3	97.9
85	58.4	44.6	67.0
99	64.3	50.2	75.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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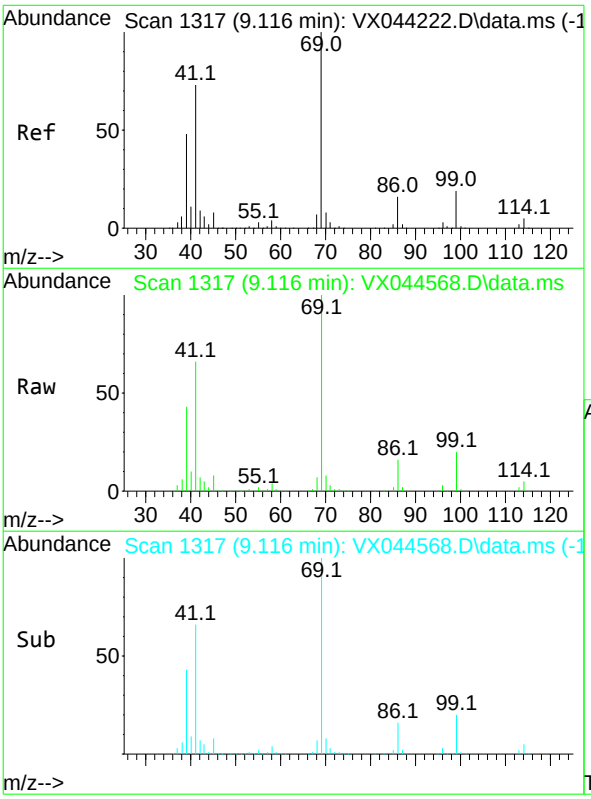
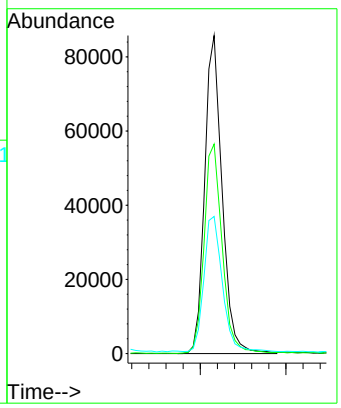
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

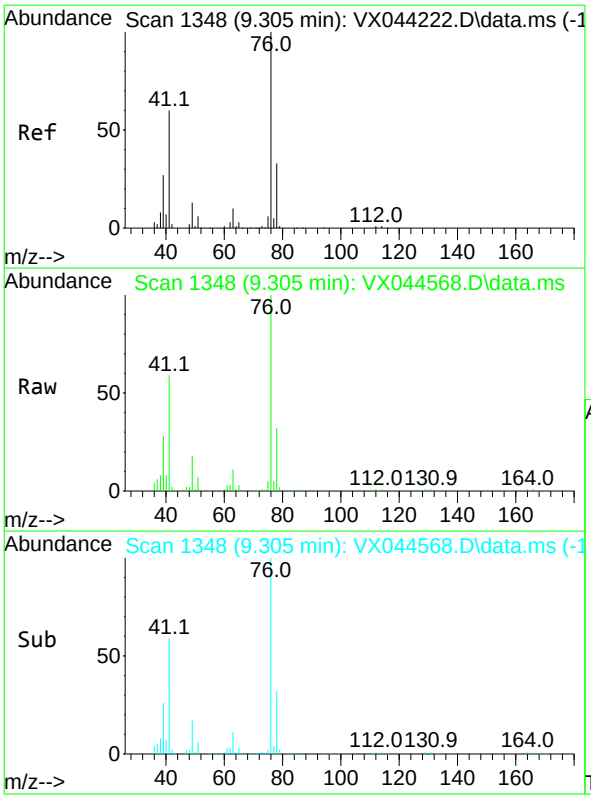


#56
Ethyl methacrylate
Concen: 56.449 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 69 Resp: 121218

Ion	Ratio	Lower	Upper
69	100		
41	67.8	56.6	85.0
39	45.0	37.4	56.0





#57
1,3-Dichloropropane
Concen: 54.928 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 76 Resp: 130051

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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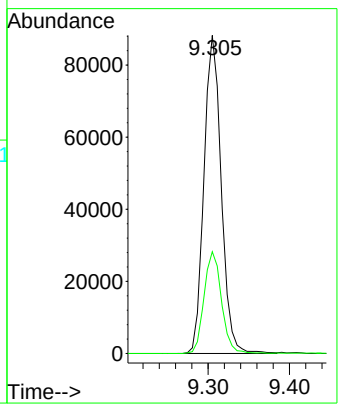
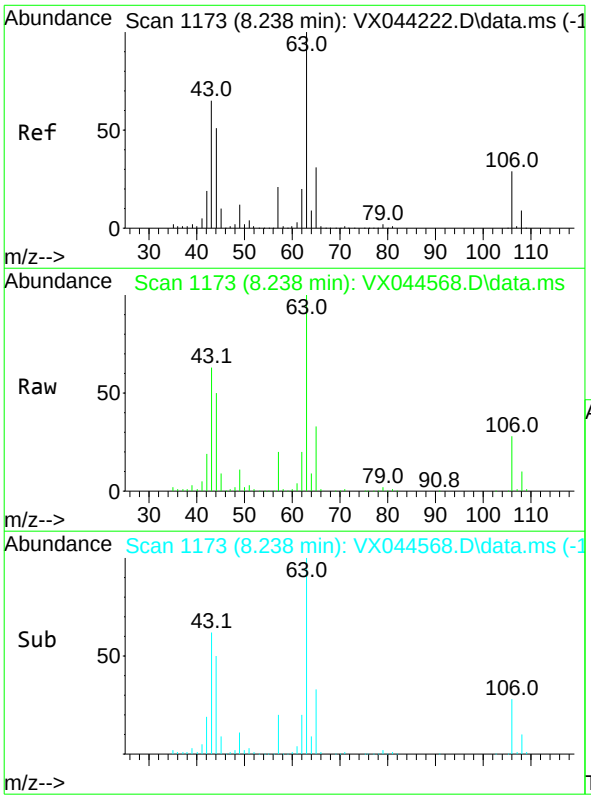
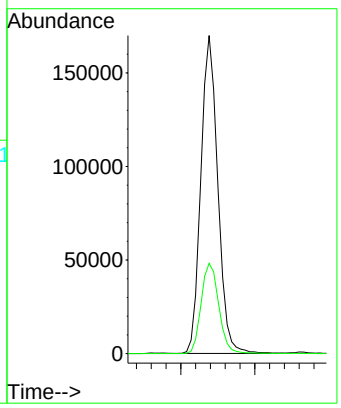


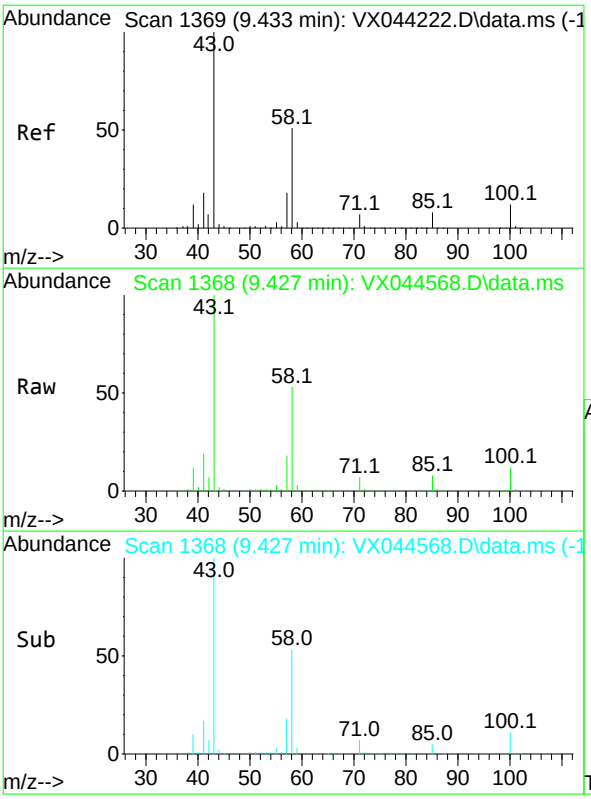


#58
2-Chloroethyl Vinyl ether
Concen: 249.641 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 63 Resp: 270384

Ion	Ratio	Lower	Upper
63	100		
106	29.5	22.8	34.2





#59
2-Hexanone
Concen: 269.228 ug/l
RT: 9.427 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 43 Resp: 434743

Ion	Ratio	Lower	Upper
43	100		
58	53.1	25.7	77.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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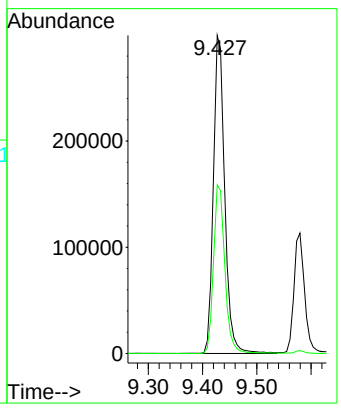
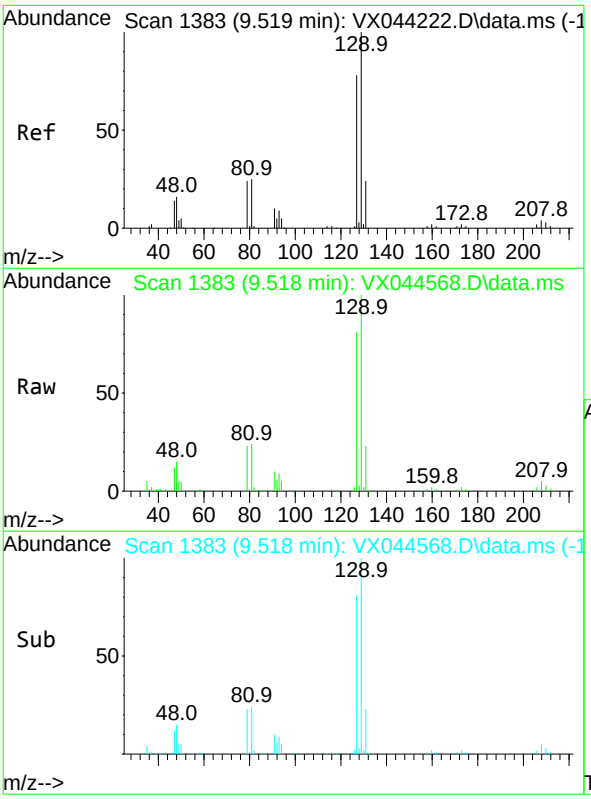
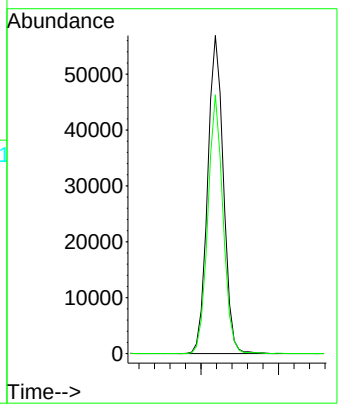


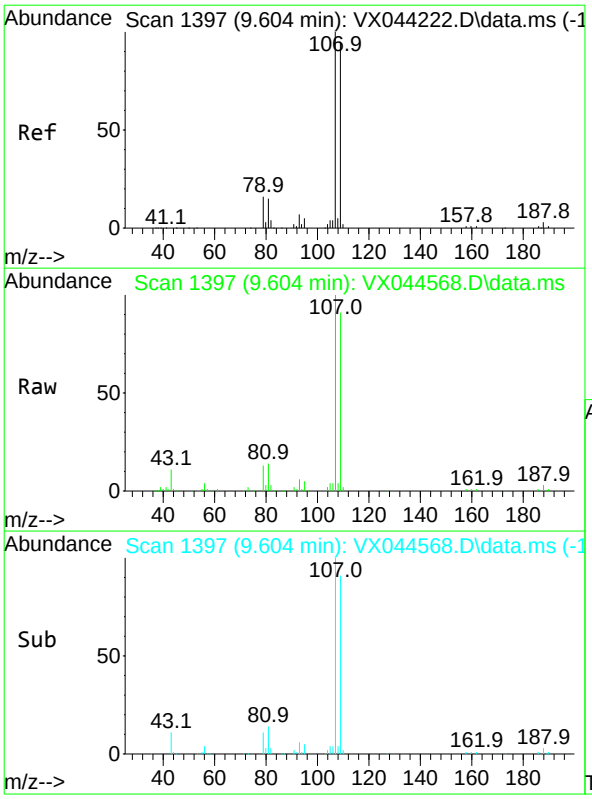


#60
Dibromochloromethane
Concen: 55.351 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:129 Resp: 80314

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.3





#61
1,2-Dibromoethane
Concen: 59.502 ug/l
RT: 9.604 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:107 Resp: 82386

Ion	Ratio	Lower	Upper
107	100		
109	93.7	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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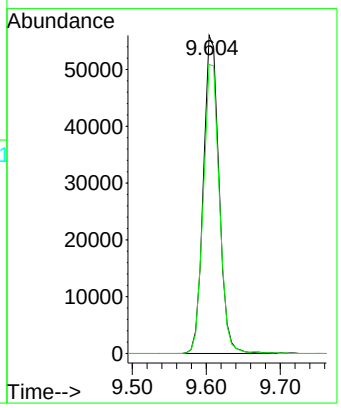
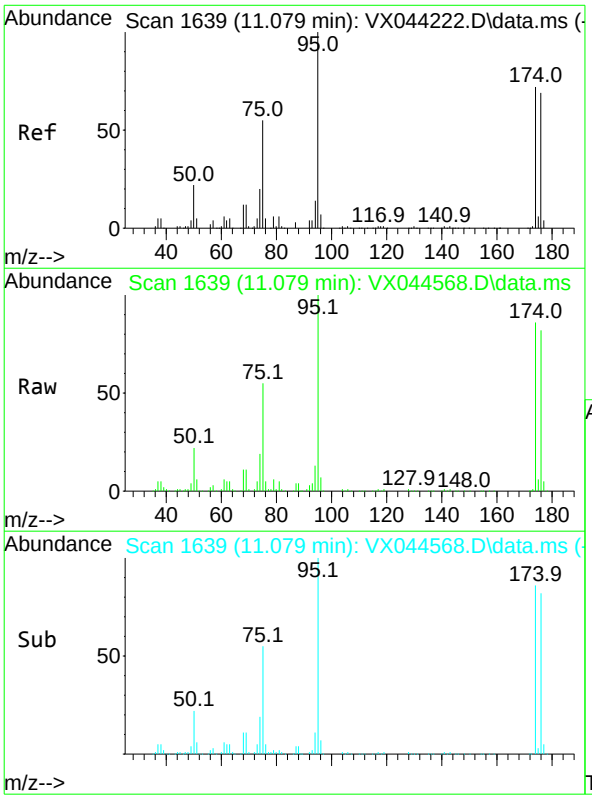
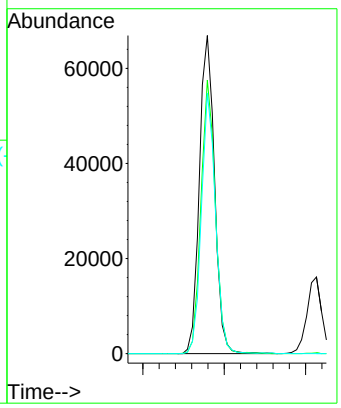


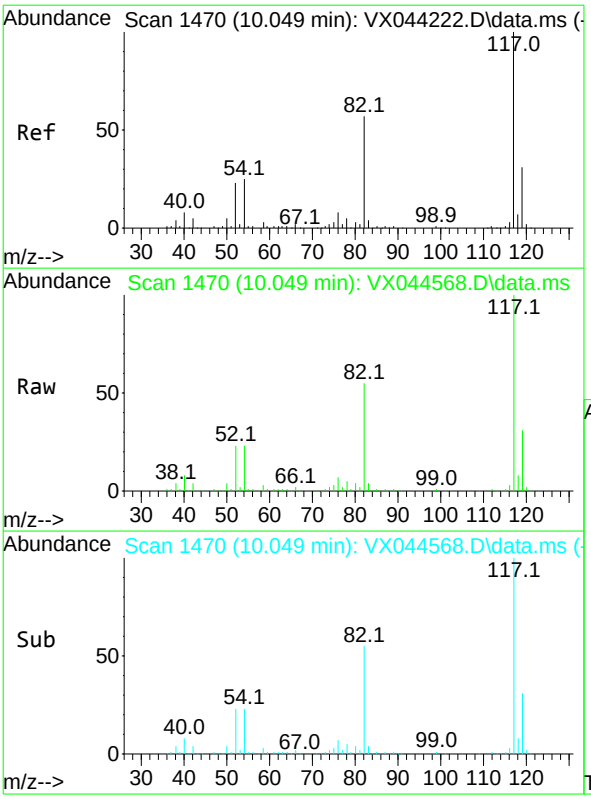


#62
4-Bromofluorobenzene
Concen: 52.781 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 95 Resp: 86443

Ion	Ratio	Lower	Upper
95	100		
174	81.6	0.0	145.8
176	76.5	0.0	137.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:117 Resp: 176322

Ion	Ratio	Lower	Upper
117	100		
82	55.3	45.8	68.8
119	31.4	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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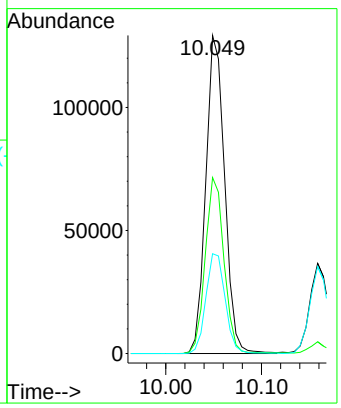
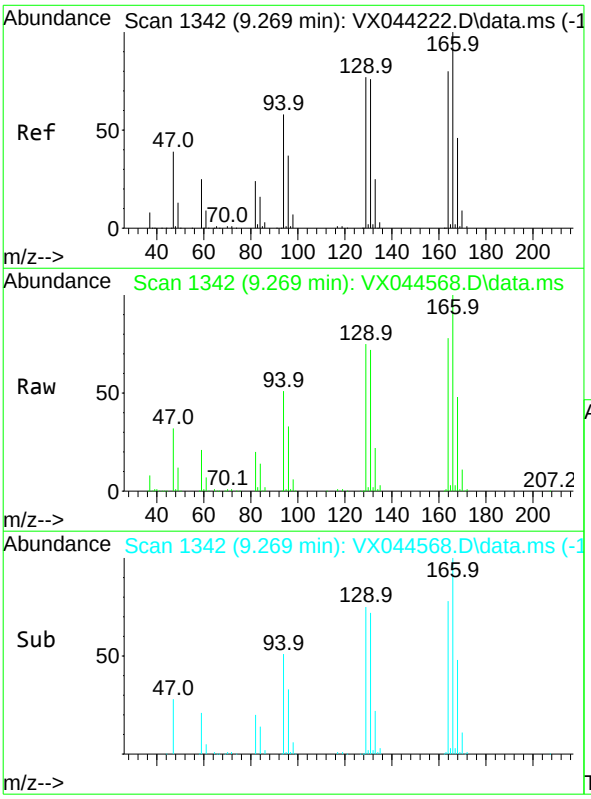
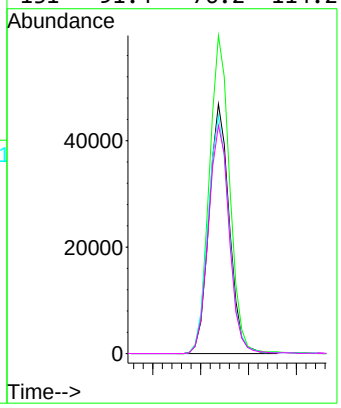


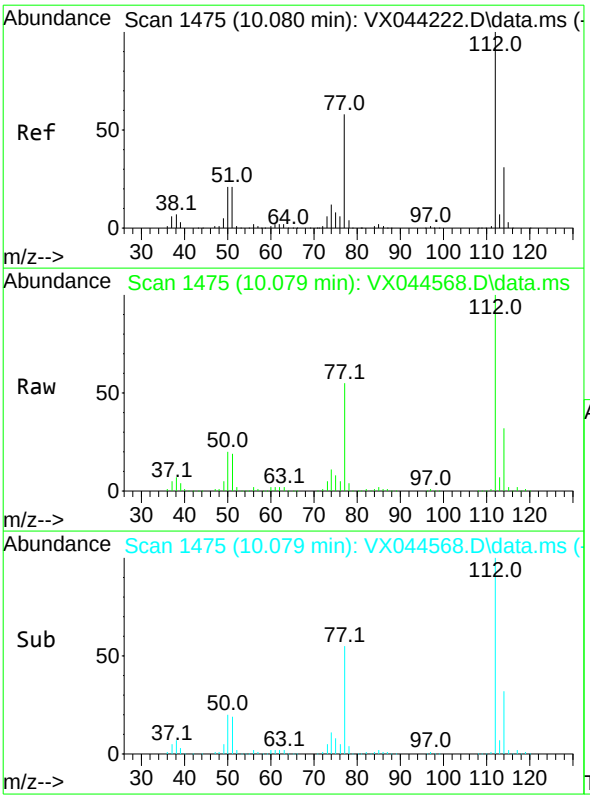


#64
Tetrachloroethene
Concen: 58.875 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:164 Resp: 68900

Ion	Ratio	Lower	Upper
164	100		
166	127.5	100.4	150.6
129	95.4	77.2	115.8
131	91.4	76.2	114.2





#65
Chlorobenzene
Concen: 56.329 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:112 Resp: 212820

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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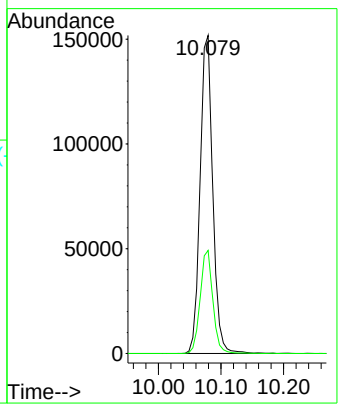
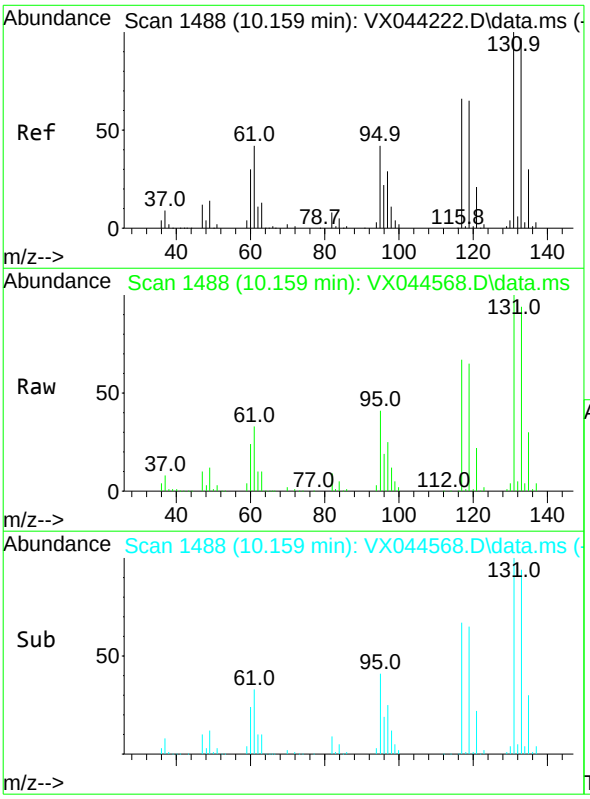
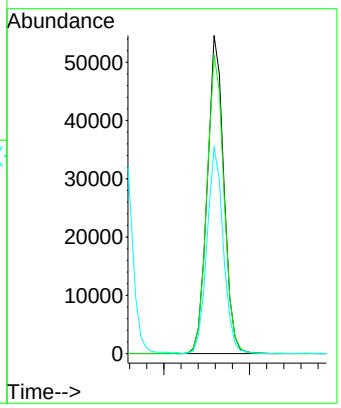


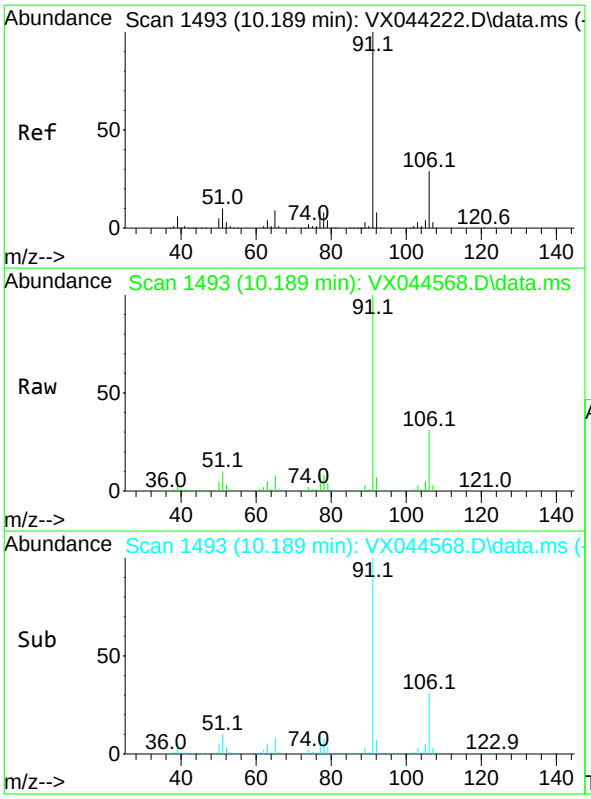


#66
1,1,1,2-Tetrachloroethane
Concen: 60.261 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:131 Resp: 73172

Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.3	141.8
119	64.2	31.6	95.0





#67
Ethyl Benzene
Concen: 56.061 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 91 Resp: 365971

Ion	Ratio	Lower	Upper
91	100		
106	31.3	23.5	35.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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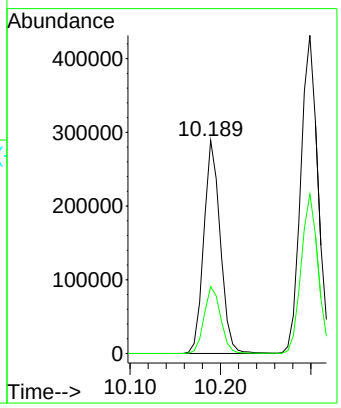
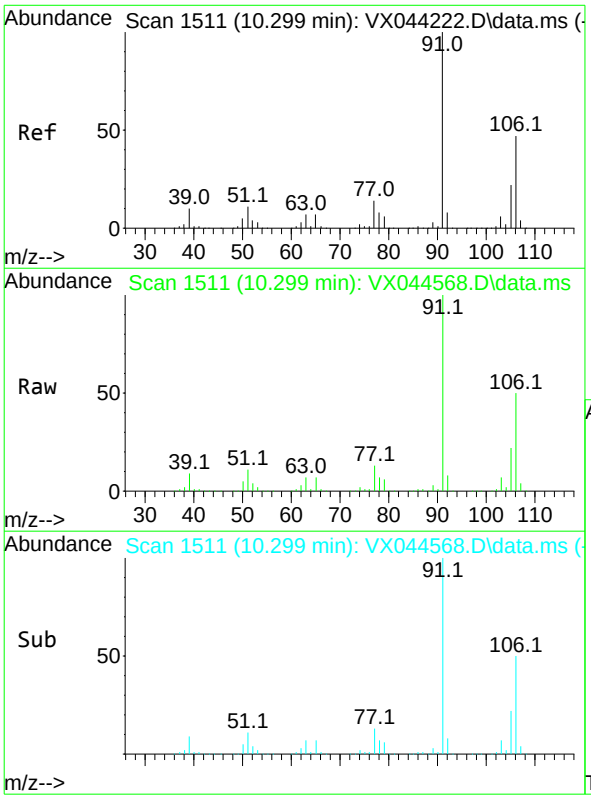
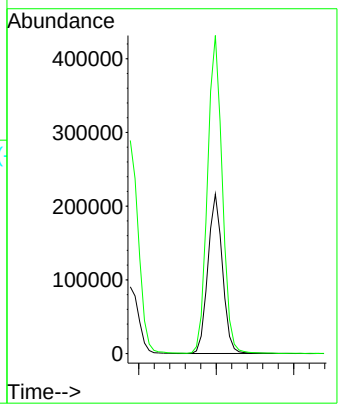


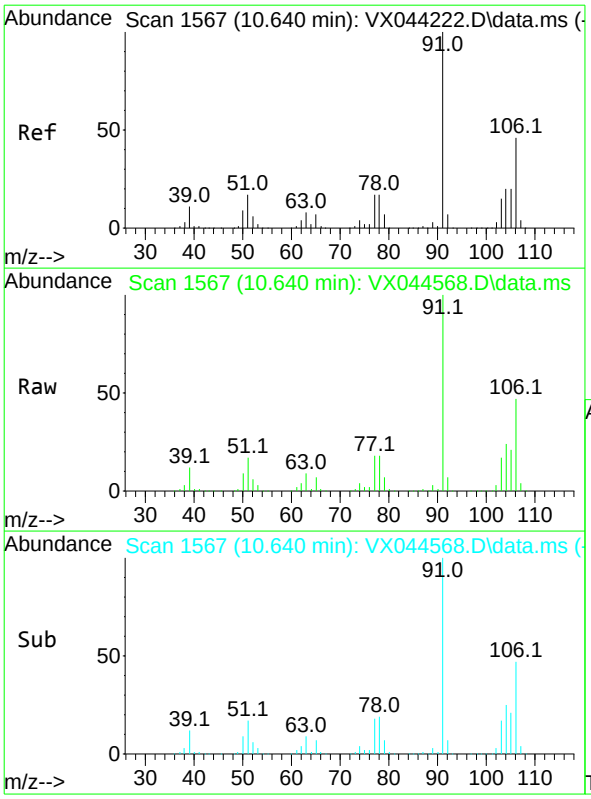


#68
m/p-Xylenes
Concen: 117.664 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:106 Resp: 281854

Ion	Ratio	Lower	Upper
106	100		
91	202.2	170.2	255.2





#69
o-Xylene
Concen: 55.747 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:106 Resp: 135114

Ion	Ratio	Lower	Upper
106	100		
91	220.9	112.3	337.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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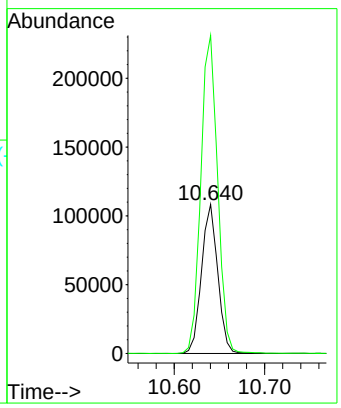
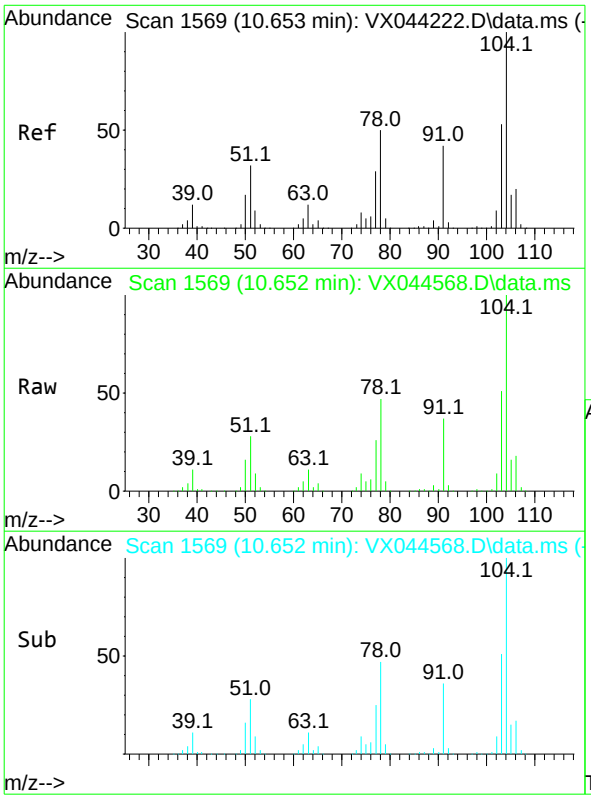
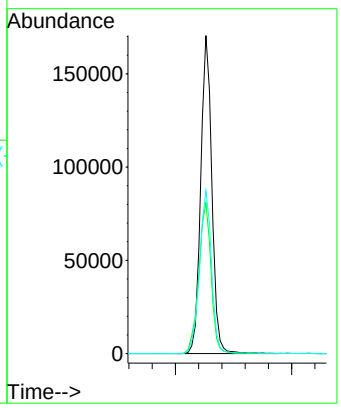


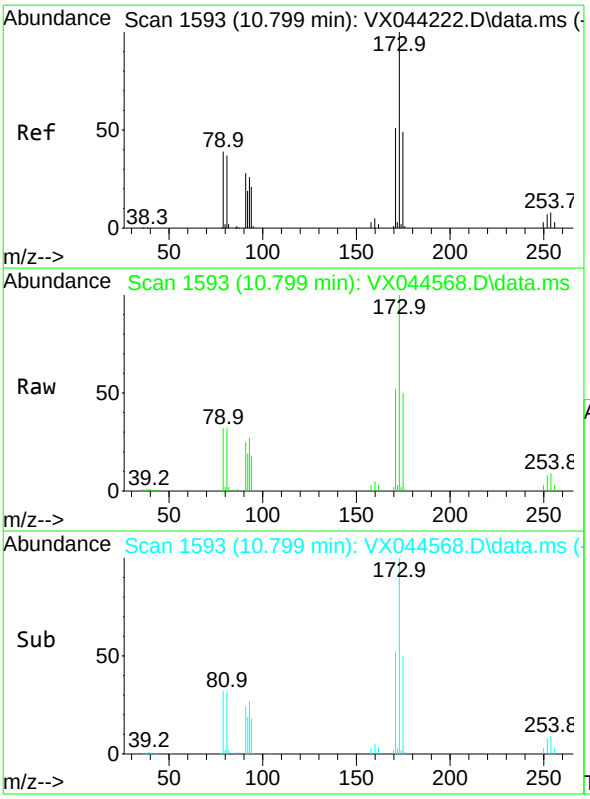


#70
Styrene
Concen: 58.516 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:104 Resp: 227359

Ion	Ratio	Lower	Upper
104	100		
78	52.6	44.6	67.0
103	55.1	45.4	68.0





#71
Bromoform
Concen: 59.018 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 51240

Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.8	71.4
254	0.0	0.0	0.0

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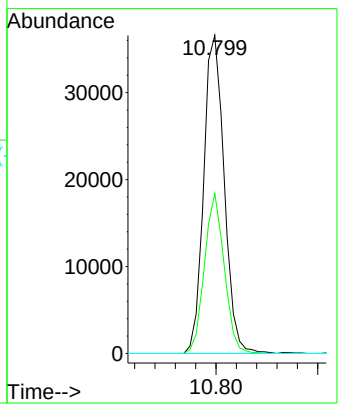
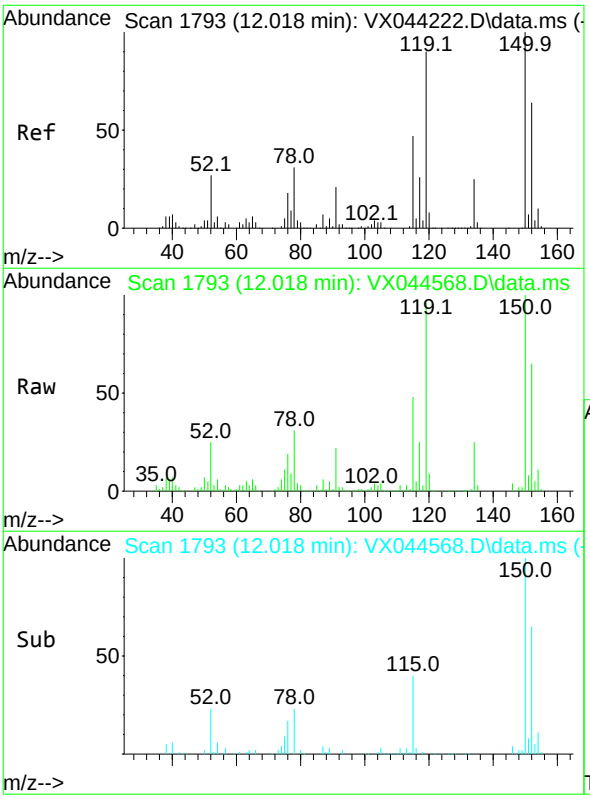
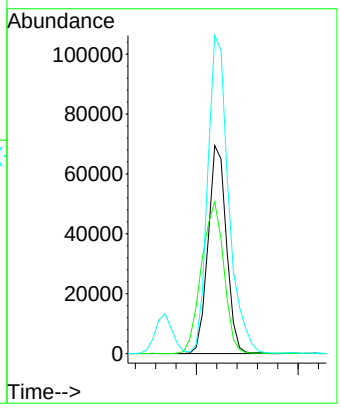


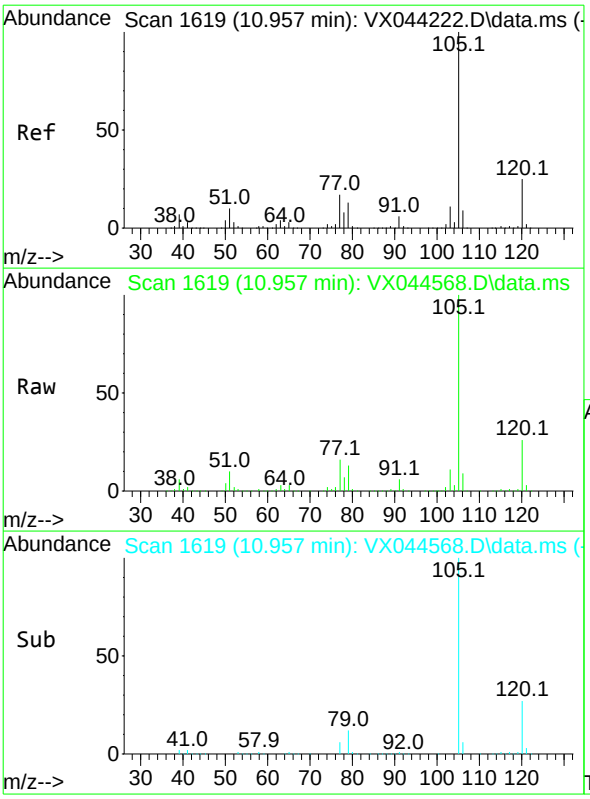


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:152 Resp: 86636

Ion	Ratio	Lower	Upper
152	100		
115	89.3	44.5	133.3
150	173.7	0.0	353.8





#73
Isopropylbenzene
Concen: 54.328 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:105 Resp: 360319

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.1	39.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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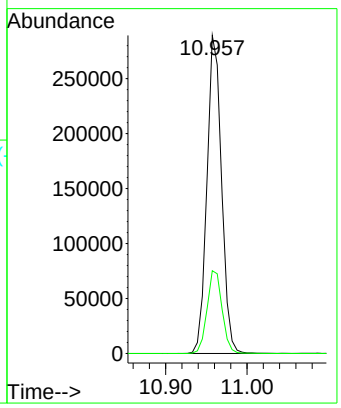
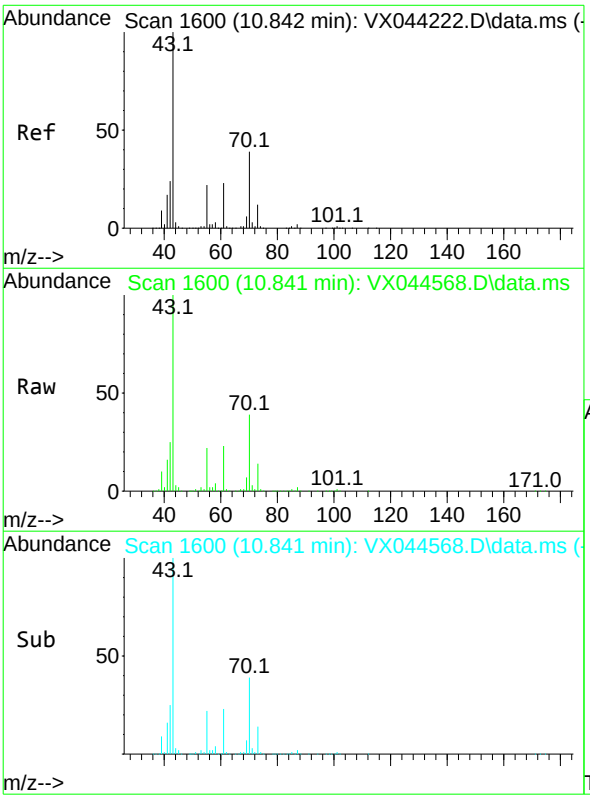
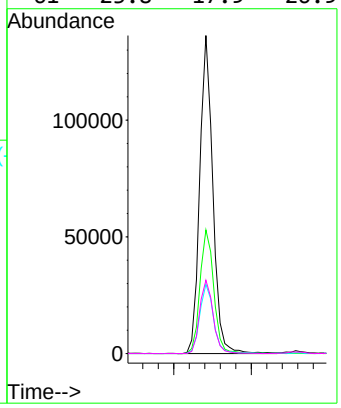


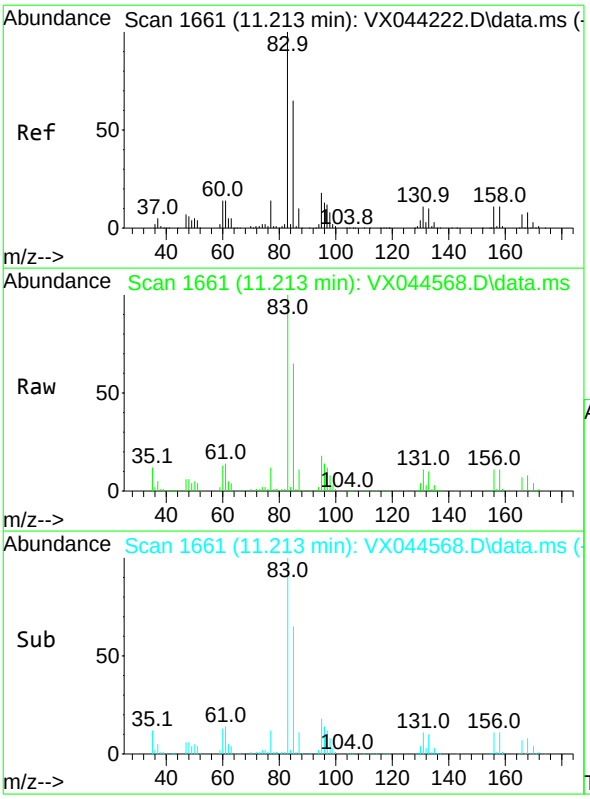


#74
N-amyl acetate
Concen: 52.165 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 43 Resp: 159895

Ion	Ratio	Lower	Upper
43	100		
70	41.1	31.9	47.9
55	22.9	17.9	26.9
61	23.8	17.9	26.9





#75
1,1,2,2-Tetrachloroethane
Concen: 51.834 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

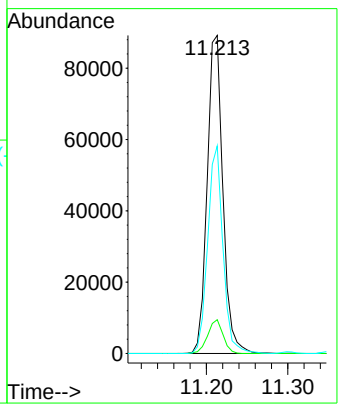
Tgt Ion: 83 Resp: 119406

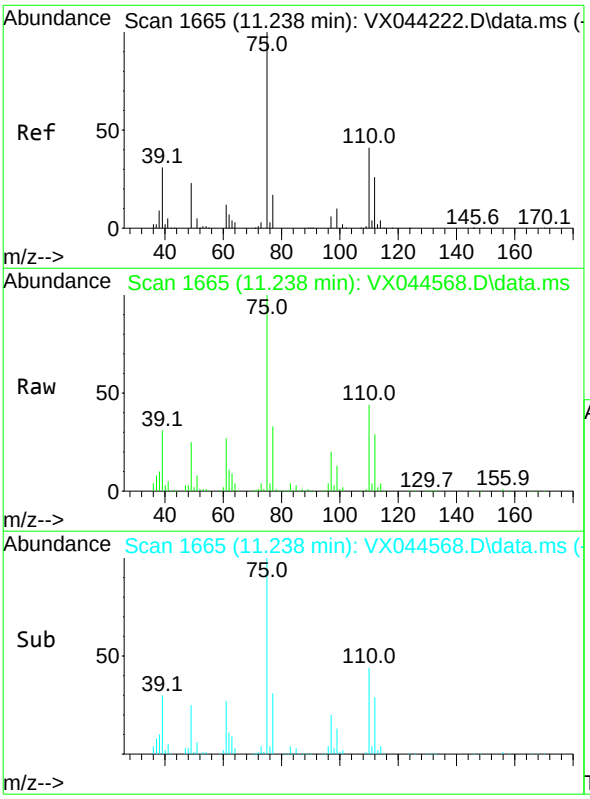
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.4
85	63.4	32.5	97.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

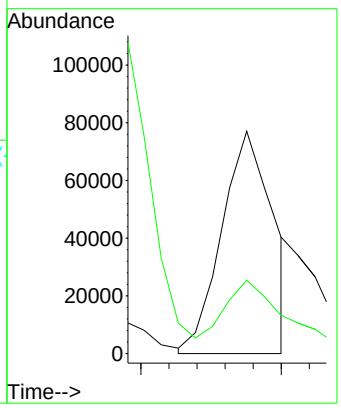


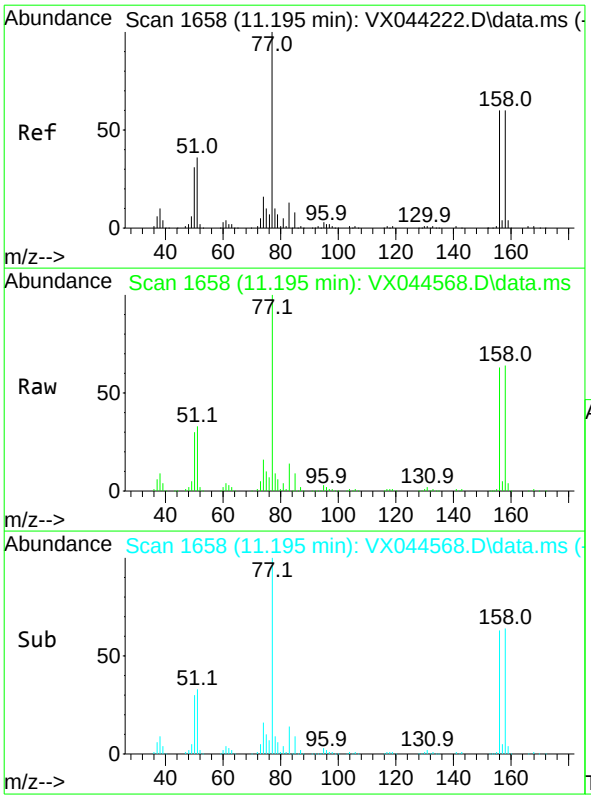


#76
1,2,3-Trichloropropane
Concen: 50.483 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 75 Resp: 97653

Ion	Ratio	Lower	Upper
75	100		
77	41.8	20.9	62.7





#77
Bromobenzene
Concen: 55.033 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:156 Resp: 88510

Ion	Ratio	Lower	Upper
156	100		
77	154.1	82.6	247.8
158	98.6	48.8	146.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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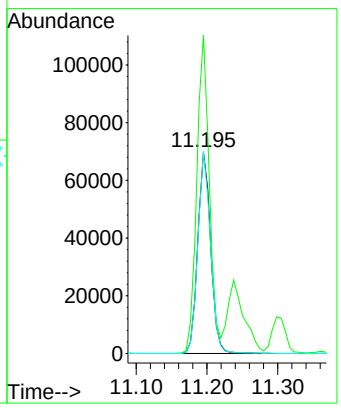
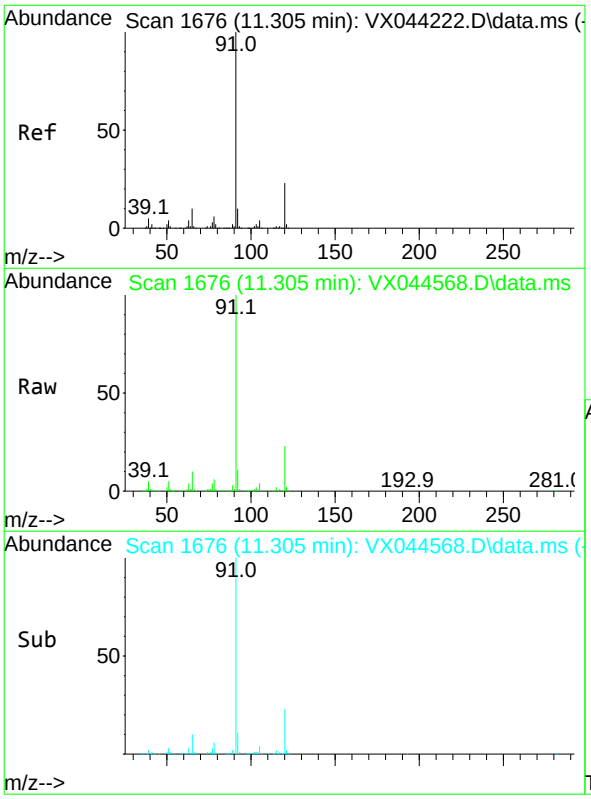
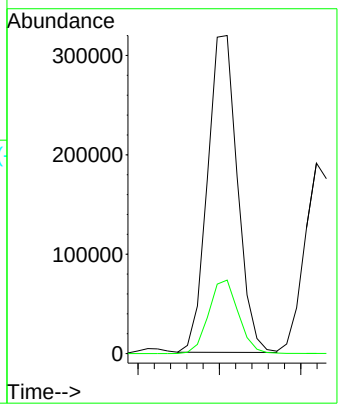


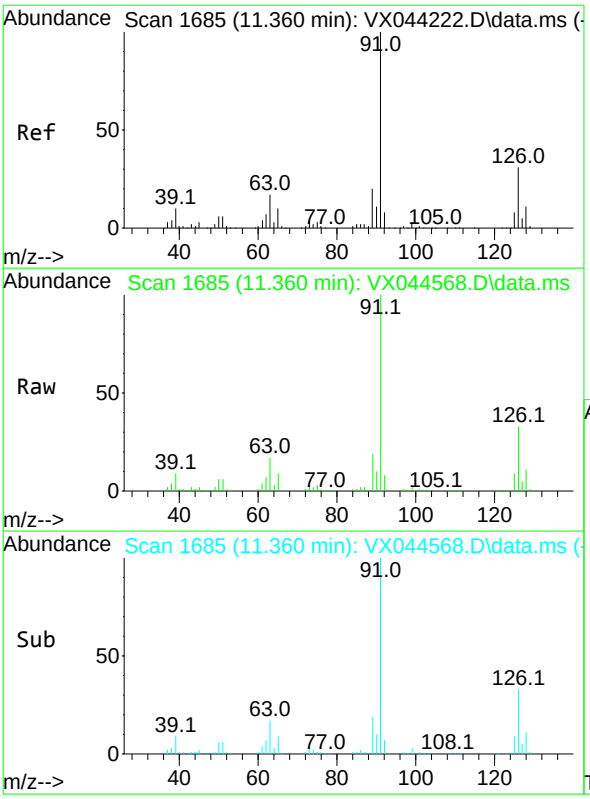


#78
n-propylbenzene
Concen: 55.705 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 91 Resp: 408343

Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.0	33.0





#79
2-Chlorotoluene
Concen: 52.375 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 91 Resp: 248301

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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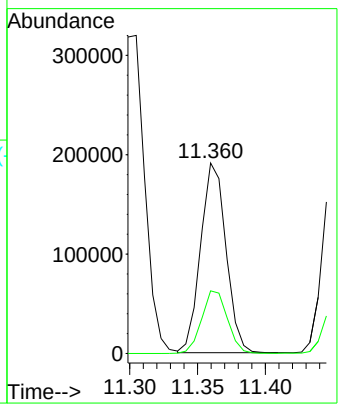
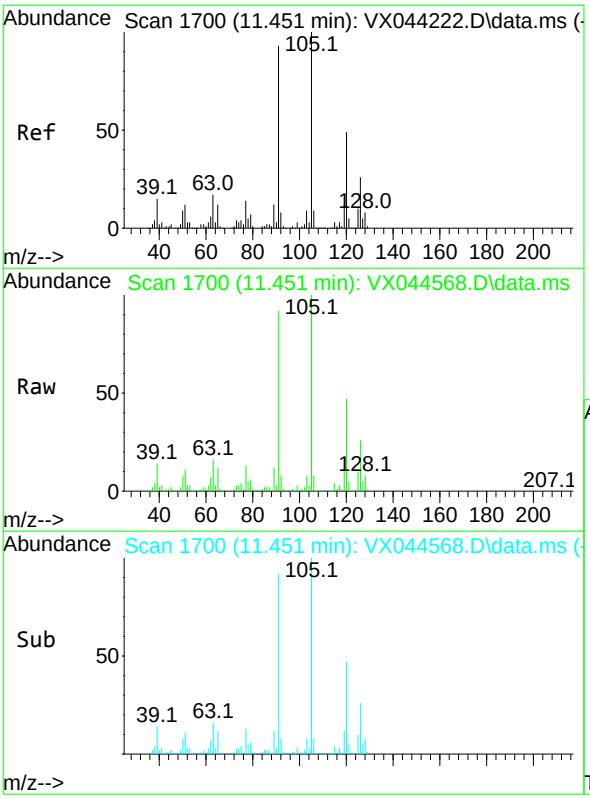
Supervised By :Mahesh Dadoda 01/02/2025

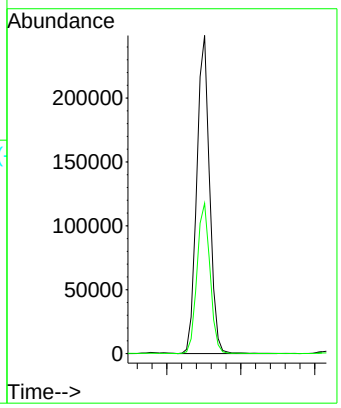


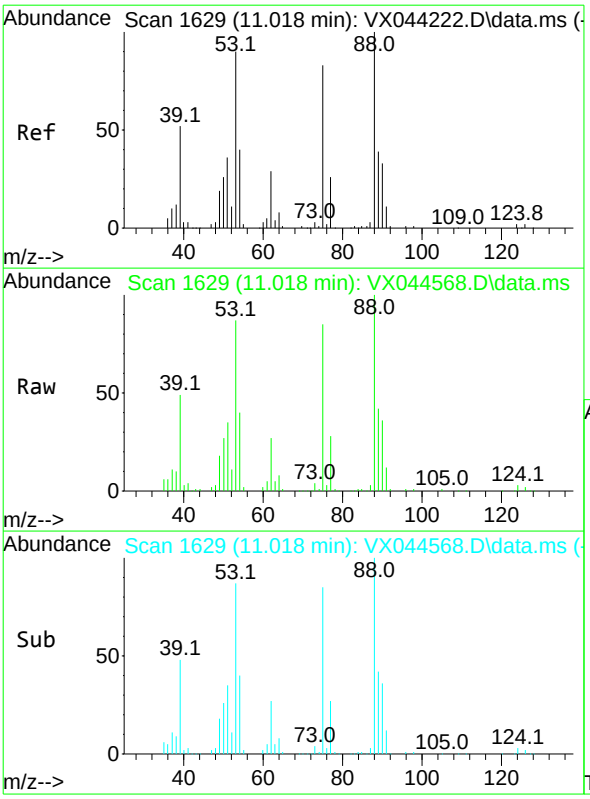


#80
1,3,5-Trimethylbenzene
Concen: 54.494 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:105 Resp: 299721

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.8	71.4





#81
trans-1,4-Dichloro-2-butene
Concen: 51.699 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 75 Resp: 35044

Ion	Ratio	Lower	Upper
75	100		
53	102.9	93.6	140.4
89	47.0	37.3	55.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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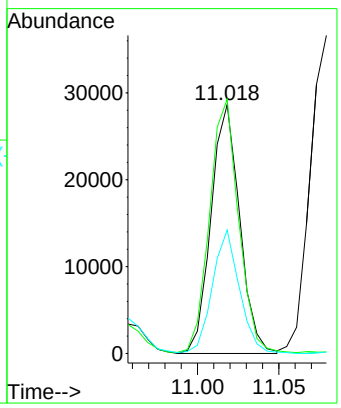
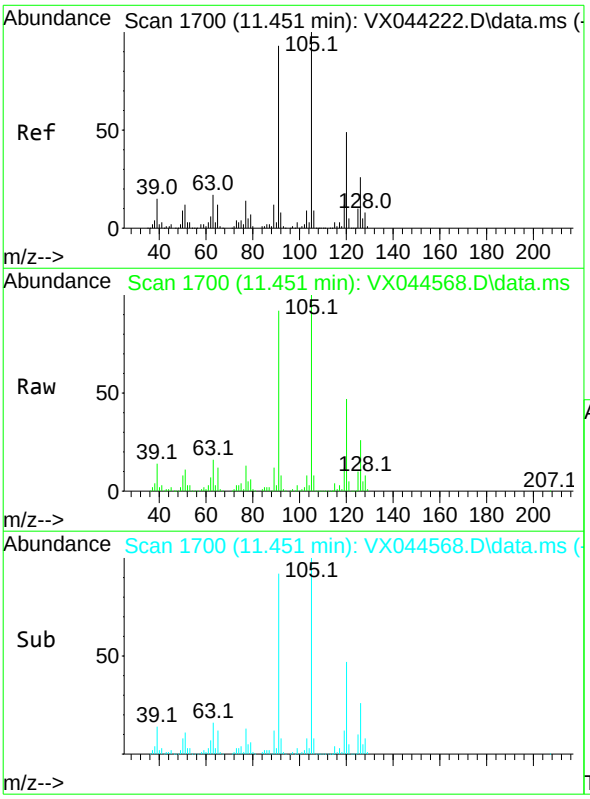
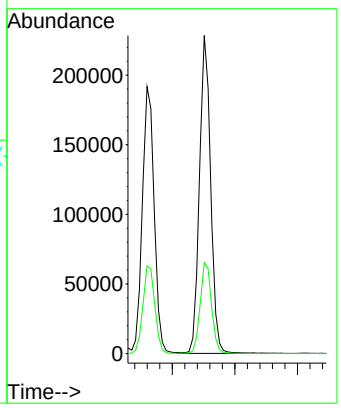


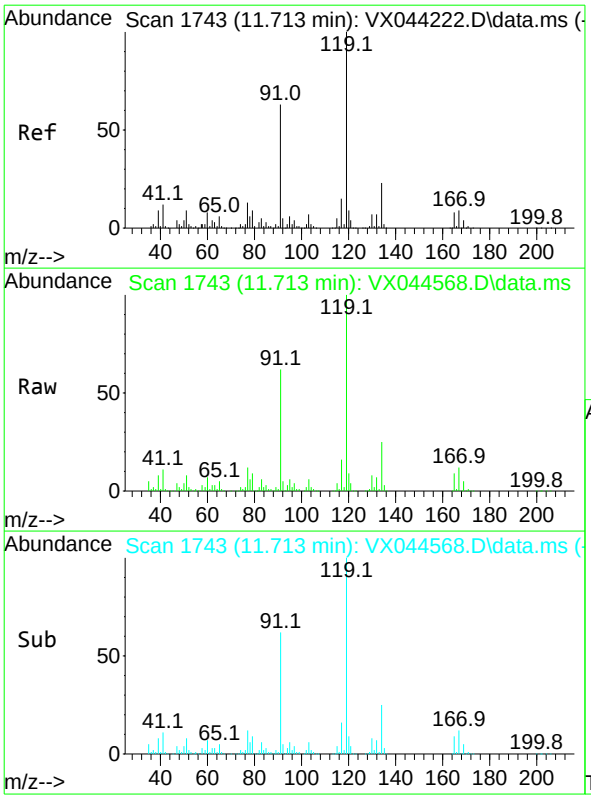


#82
4-Chlorotoluene
Concen: 54.013 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 91 Resp: 283555

Ion	Ratio	Lower	Upper
91	100		
126	29.3	14.5	43.5





#83
tert-Butylbenzene
Concen: 55.386 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:119 Resp: 301057

Ion	Ratio	Lower	Upper
119	100		
91	59.6	30.9	92.5
134	24.3	11.5	34.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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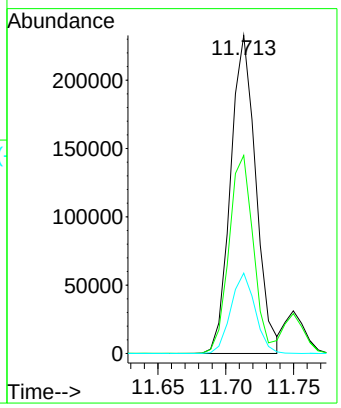
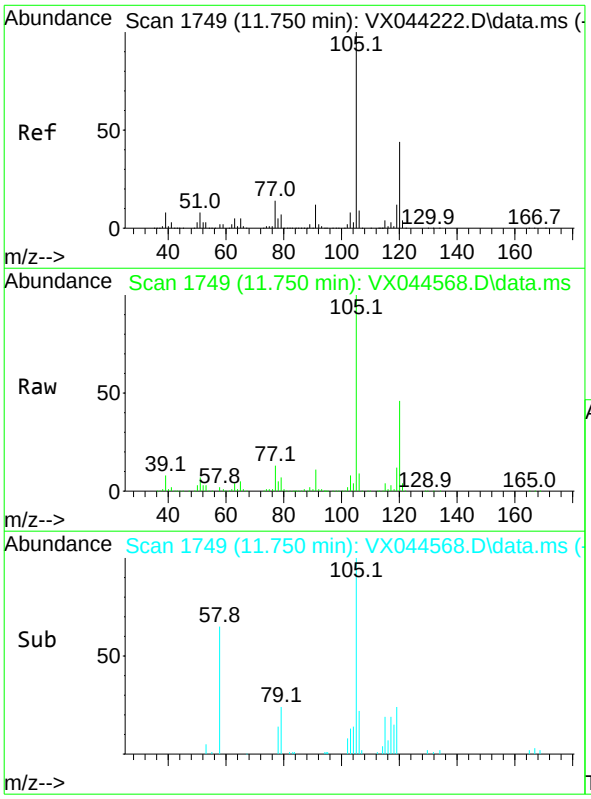
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

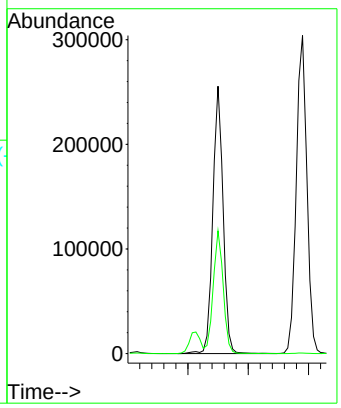


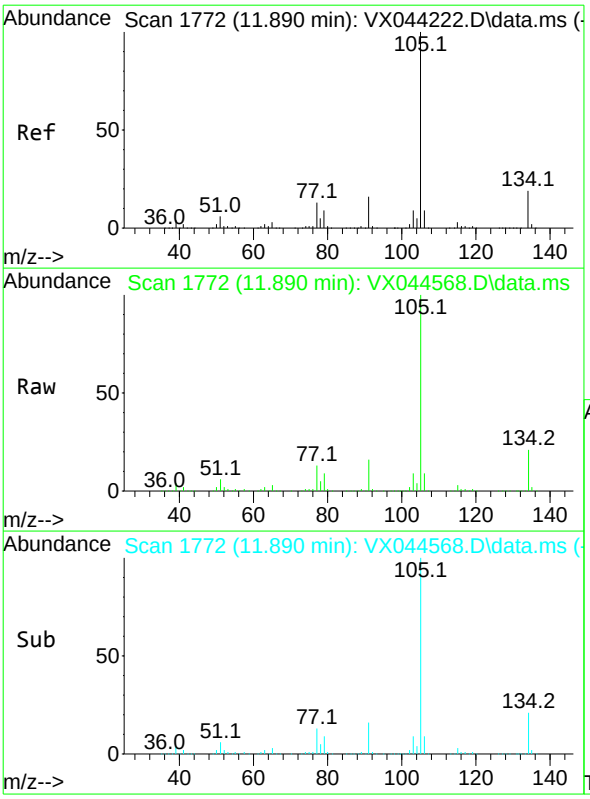


#84
1,2,4-Trimethylbenzene
Concen: 55.916 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:105 Resp: 302030

Ion	Ratio	Lower	Upper
105	100		
120	44.9	21.7	65.1





#85
sec-Butylbenzene
Concen: 56.216 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:105 Resp: 370955

Ion	Ratio	Lower	Upper
105	100		
134	20.2	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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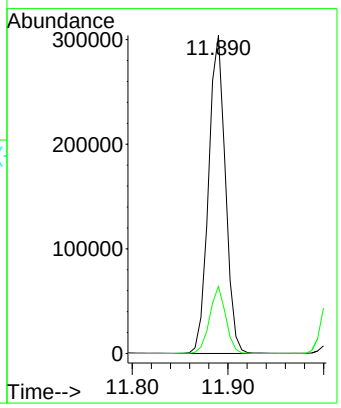
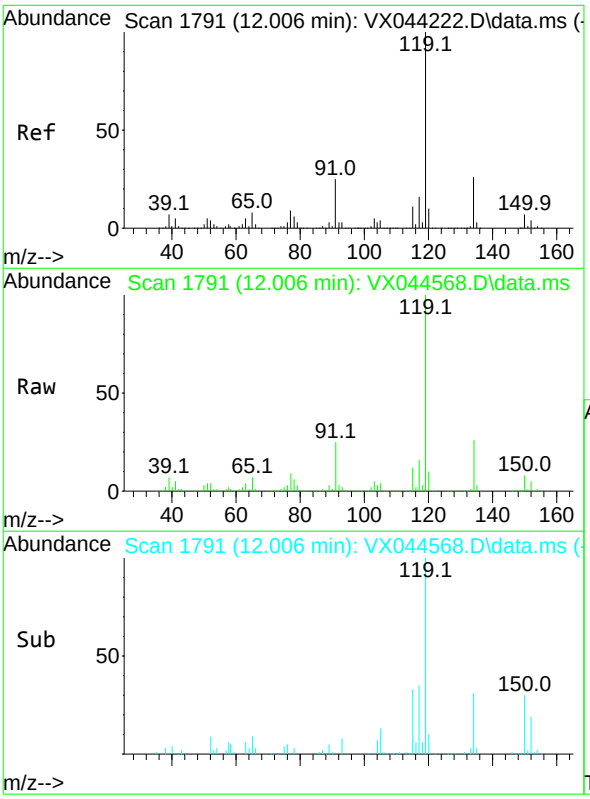
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

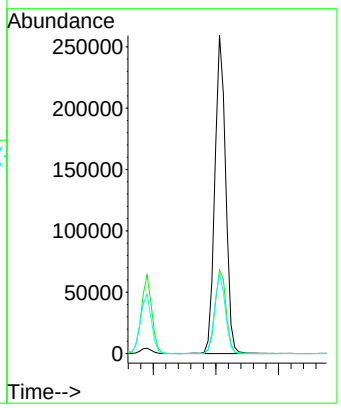


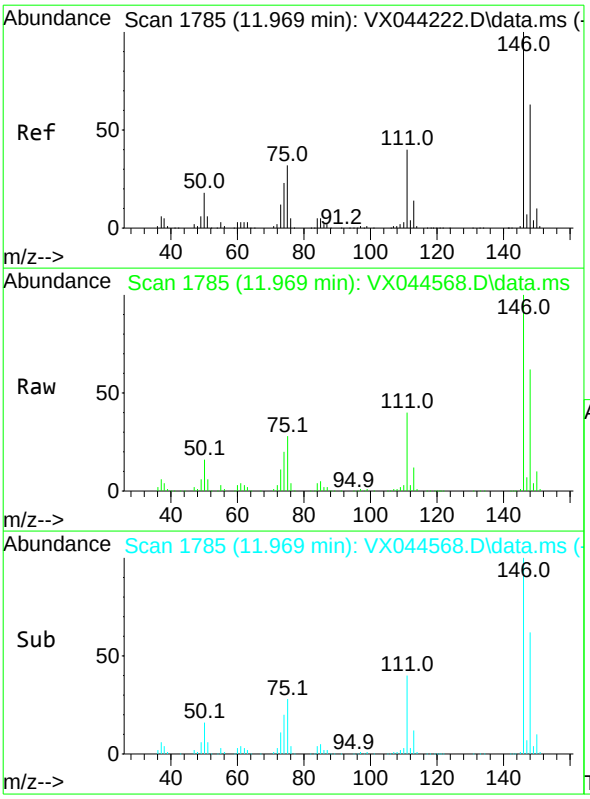


#86
p-Isopropyltoluene
Concen: 56.559 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:119 Resp: 310635

Ion	Ratio	Lower	Upper
119	100		
134	26.8	12.8	38.4
91	24.9	13.0	39.0





#87
1,3-Dichlorobenzene
Concen: 57.239 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:146 Resp: 160802

Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.4	64.2
148	62.9	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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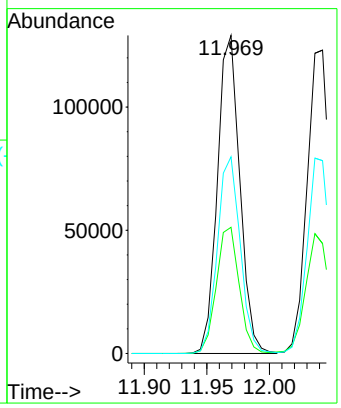
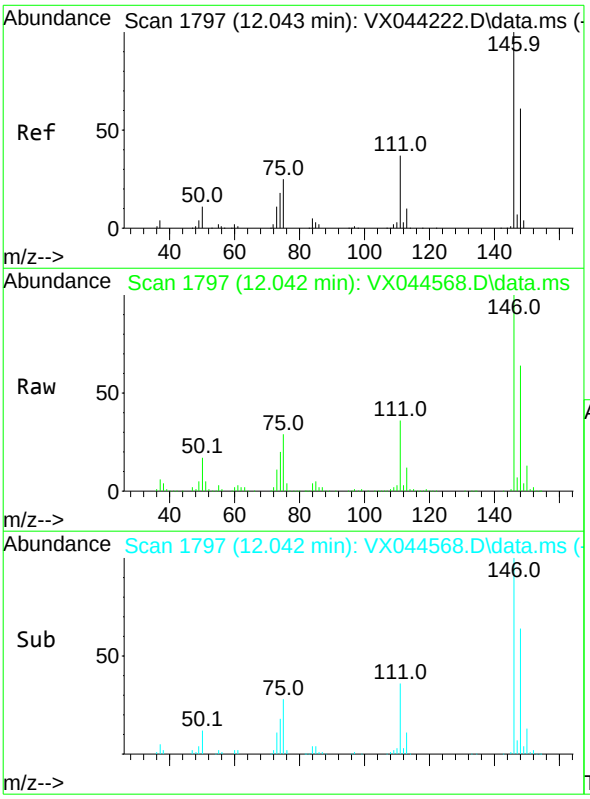
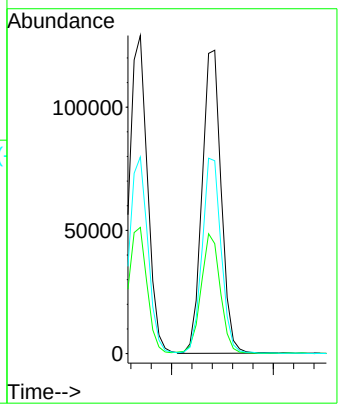


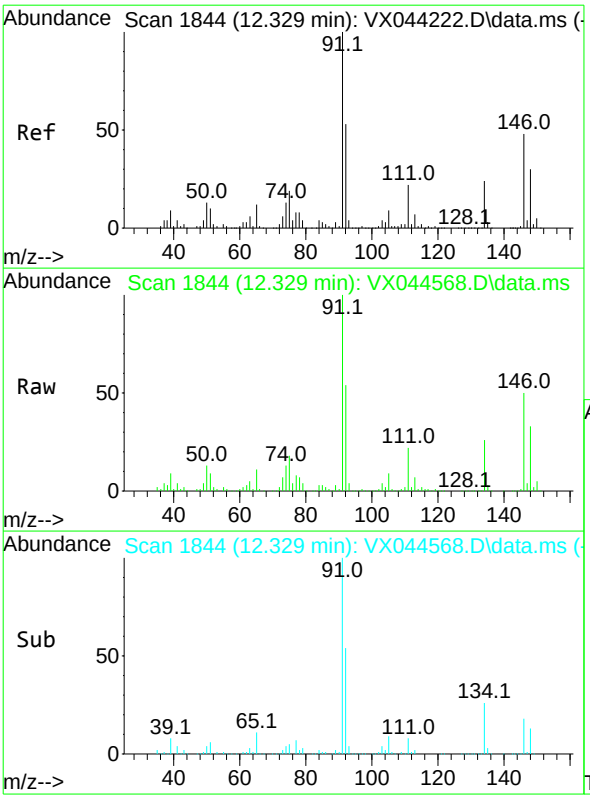


#88
1,4-Dichlorobenzene
Concen: 55.609 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:146 Resp: 160596

Ion	Ratio	Lower	Upper
146	100		
111	39.9	21.0	63.0
148	64.3	32.3	96.8





#89
n-Butylbenzene
Concen: 57.524 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 91 Resp: 265664

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.6	79.7
134	25.9	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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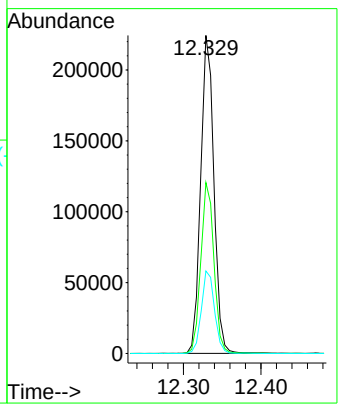
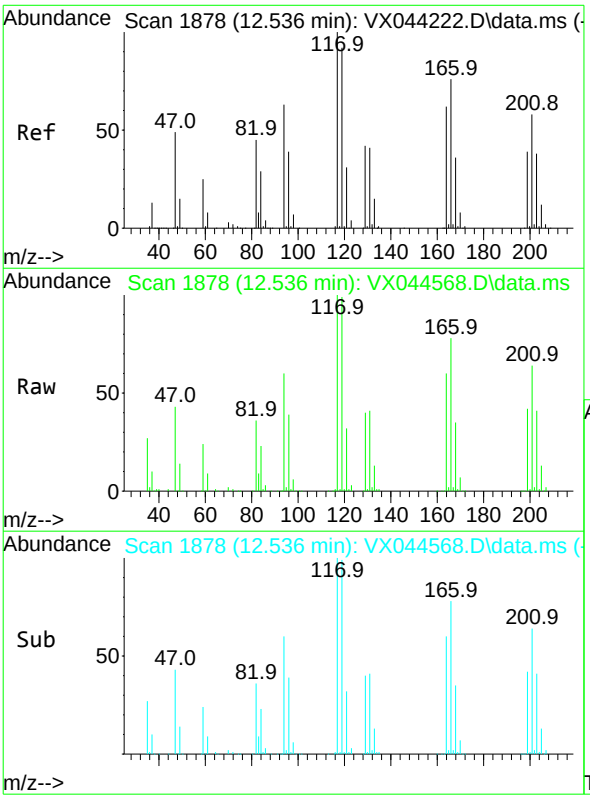
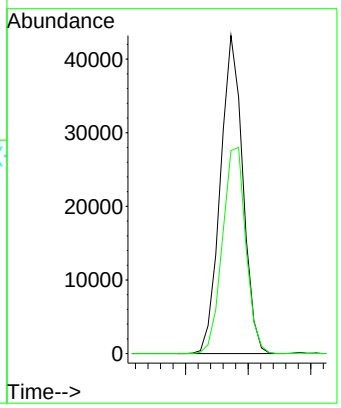


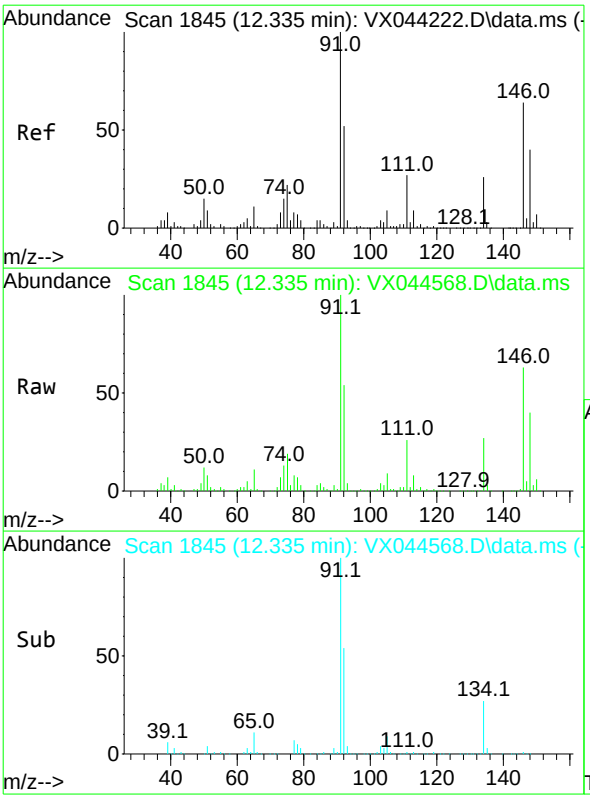


#90
Hexachloroethane
Concen: 67.110 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:117 Resp: 53804

Ion	Ratio	Lower	Upper
117	100		
201	67.5	31.4	94.2





#91
1,2-Dichlorobenzene
Concen: 54.413 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:146 Resp: 158724

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.4	64.3
148	64.1	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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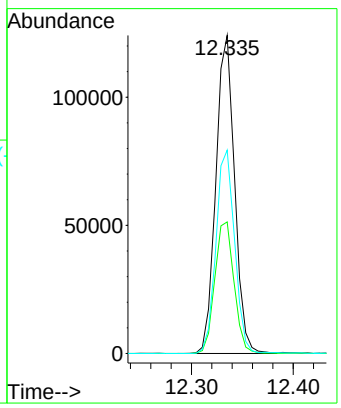
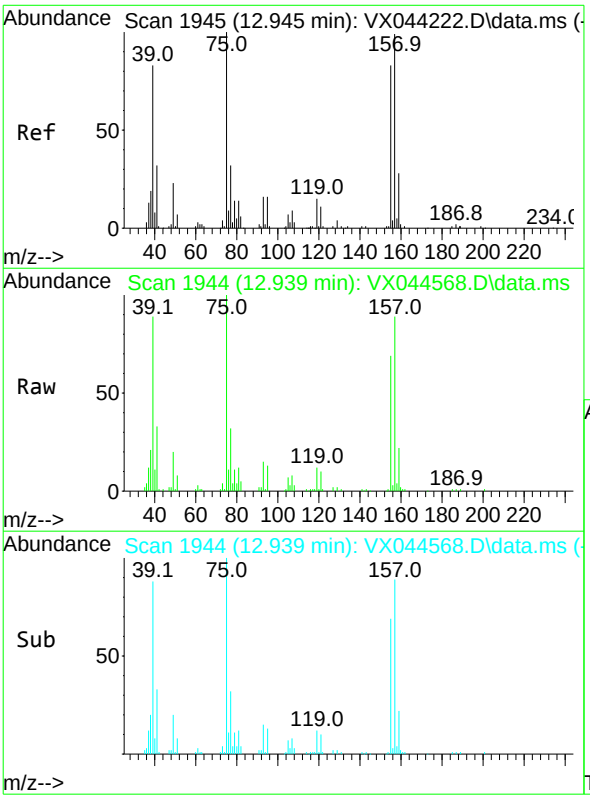
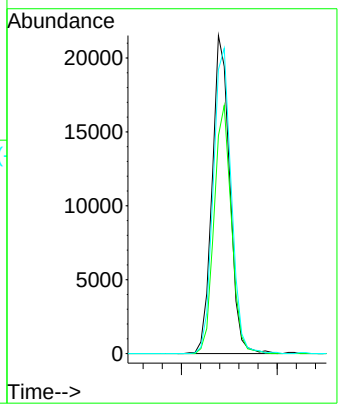


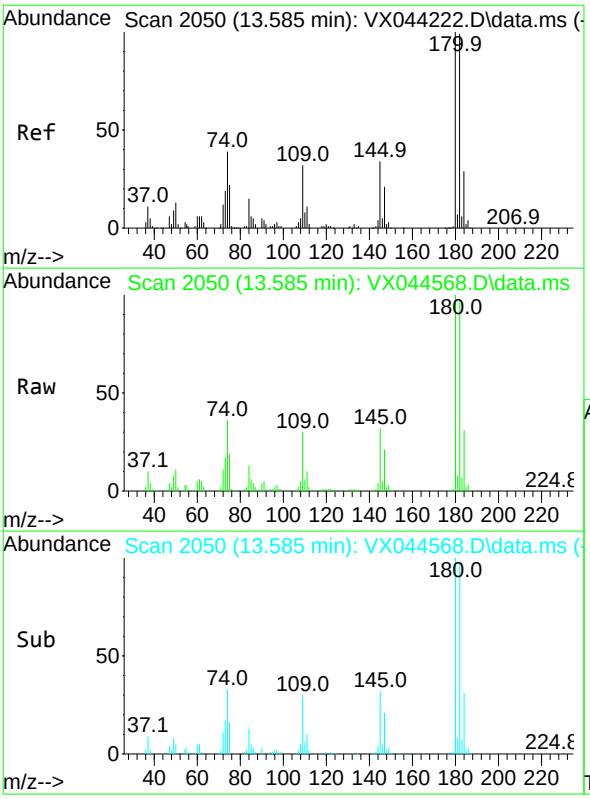


#92
1,2-Dibromo-3-Chloropropane
Concen: 61.261 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion: 75 Resp: 27395

Ion	Ratio	Lower	Upper
75	100		
155	77.1	38.1	114.3
157	98.6	47.2	141.6





#93
1,2,4-Trichlorobenzene
Concen: 63.468 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:180 Resp: 101500

Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.0	144.2
145	32.1	16.6	49.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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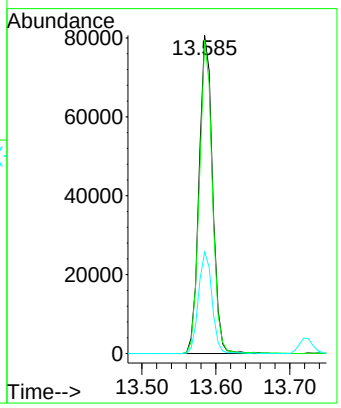
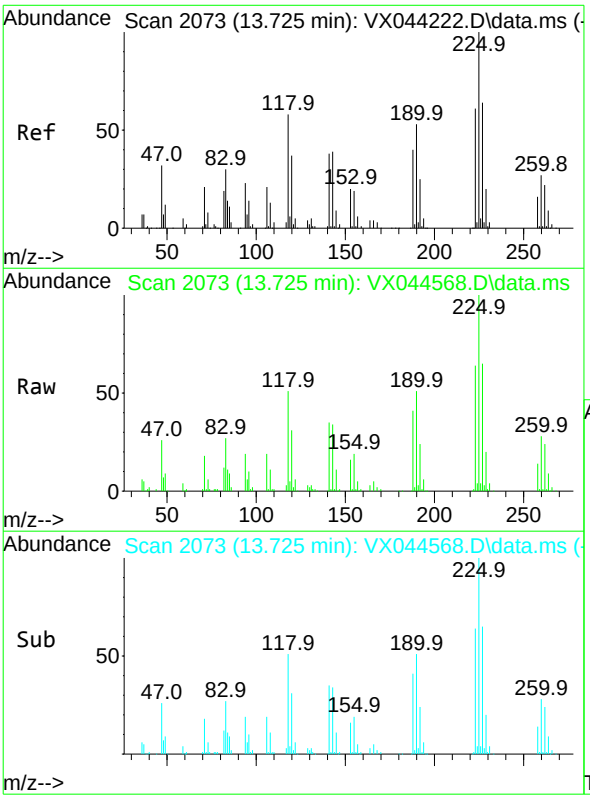
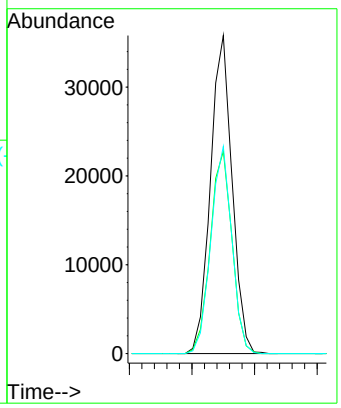


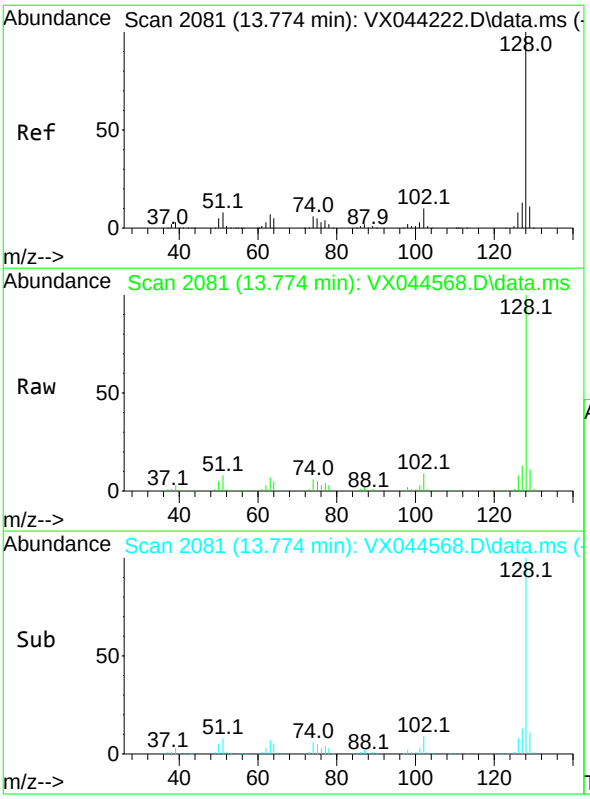


#94
Hexachlorobutadiene
Concen: 66.863 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:225 Resp: 43011

Ion	Ratio	Lower	Upper
225	100		
223	63.8	30.8	92.4
227	63.1	32.1	96.3





#95
Naphthalene
Concen: 56.827 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

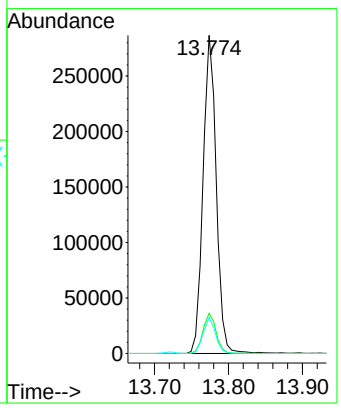
Tgt Ion:128 Resp: 354742

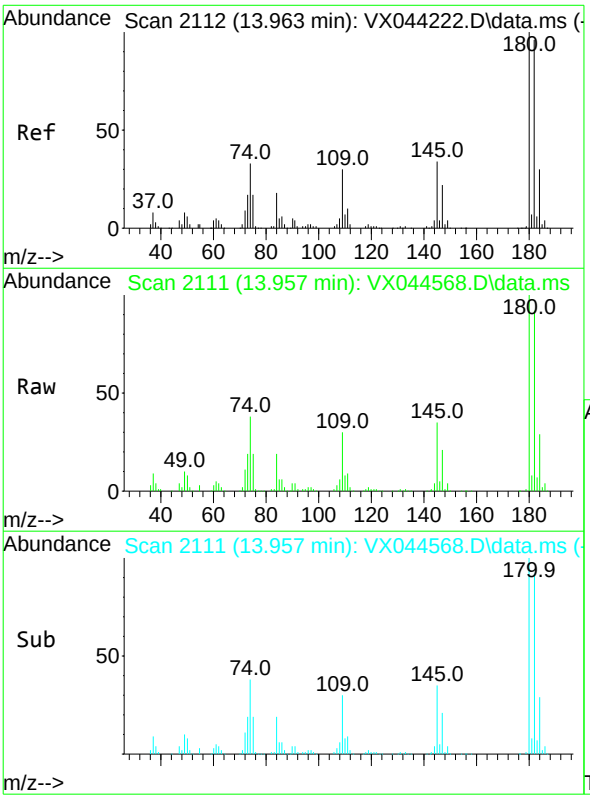
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	10.8	9.0	13.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

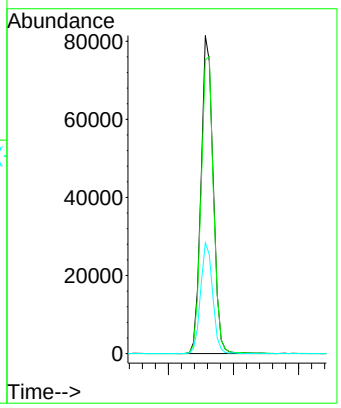




#96
1,2,3-Trichlorobenzene
Concen: 62.075 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044568.D
Acq: 31 Dec 2024 10:00

Tgt Ion:180 Resp: 105294

Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.0	144.0
145	34.5	17.7	53.1



Evaluate Continuing Calibration Report

Sample Results: **VX044568.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044568.D
Acq On : 31 Dec 2024 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 01 01:35:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	101	-0.01
2	T	Dichlorodifluoromethane	0.773	0.742	4.0	95	0.00
3	P	Chloromethane	0.739	0.675	8.7	90	0.00
4	C	Vinyl Chloride	0.770	0.711	7.7#	91	0.00
5	T	Bromomethane	0.546	0.482	11.7	88	0.00
6	T	Chloroethane	0.480	0.386	19.6	73	0.00
7	T	Trichlorofluoromethane	1.508	1.318	12.6	86	0.00
8	T	Diethyl Ether	0.515	0.461	10.5	91	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.610	0.643	-5.4	106	0.00
10	T	Methyl Iodide	0.804	0.821	-2.1	98	0.00
11	T	Tert butyl alcohol	0.124	0.094	24.2	79	0.00
12	CM	1,1-Dichloroethene	0.560	0.580	-3.6#	98	0.00
13	T	Acrolein	0.179	0.211	-17.9	115	0.00
14	T	Allyl chloride	0.933	0.937	-0.4	94	0.00
15	T	Acrylonitrile	0.342	0.326	4.7	92	0.00
16	T	Acetone	0.357	0.316	11.5	84	0.00
17	T	Carbon Disulfide	1.065	1.160	-8.9	102	0.00
18	T	Methyl Acetate	0.922	0.842	8.7	89	0.00
19	T	Methyl tert-butyl Ether	2.187	2.030	7.2	89	0.00
20	T	Methylene Chloride	0.671	0.638	4.9	93	0.00
21	T	trans-1,2-Dichloroethene	0.596	0.604	-1.3	98	0.00
22	T	Diisopropyl ether	2.102	1.908	9.2	89	0.00
23	T	Vinyl Acetate	1.709	1.726	-1.0	91	0.00
24	P	1,1-Dichloroethane	1.172	1.110	5.3	90	0.00
25	T	2-Butanone	0.508	0.462	9.1	85	0.00
26	T	2,2-Dichloropropane	0.952	1.002	-5.3	97	0.00
27	T	cis-1,2-Dichloroethene	0.756	0.737	2.5	96	0.00
28	T	Bromochloromethane	0.575	0.461	19.8	79	0.00
29	T	Tetrahydrofuran	0.326	0.287	12.0	86	0.00
30	C	Chloroform	1.316	1.212	7.9#	91	0.00
31	T	Cyclohexane	0.946	0.947	-0.1	98	0.00
32	T	1,1,1-Trichloroethane	1.093	1.067	2.4	92	0.00
33	S	1,2-Dichloroethane-d4	0.877	0.712	18.8	78	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	86	0.00
35	S	Dibromofluoromethane	0.346	0.363	-4.9	85	-0.01
36	T	1,1-Dichloropropene	0.448	0.492	-9.8	95	0.00
37	T	Ethyl Acetate	0.553	0.566	-2.4	84	0.00
38	T	Carbon Tetrachloride	0.482	0.564	-17.0	97	0.00
39	T	Methylcyclohexane	0.535	0.666	-24.5	103	0.00
40	TM	Benzene	1.359	1.548	-13.9	94	0.00
41	T	Methacrylonitrile	0.294	0.313	-6.5	89	0.00
42	TM	1,2-Dichloroethane	0.560	0.598	-6.8	88	0.00
43	T	Isopropyl Acetate	0.865	0.910	-5.2	85	0.00
44	TM	Trichloroethene	0.339	0.391	-15.3	96	0.00
45	C	1,2-Dichloropropane	0.347	0.379	-9.2#	91	0.00
46	T	Dibromomethane	0.269	0.308	-14.5	92	0.00
47	T	Bromodichloromethane	0.465	0.544	-17.0	92	0.00
48	T	Methyl methacrylate	0.420	0.442	-5.2	85	0.00

Sample Results: **VX044568.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044568.D
Acq On : 31 Dec 2024 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 01 01:35:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.007	0.006	14.3	67	-0.01
50	S	Toluene-d8	1.168	1.170	-0.2	80	0.00
51	T	4-Methyl-2-Pentanone	0.556	0.582	-4.7	85	0.00
52	CM	Toluene	0.853	0.944	-10.7#	93	0.00
53	T	t-1,3-Dichloropropene	0.455	0.558	-22.6	93	0.00
54	T	cis-1,3-Dichloropropene	0.507	0.603	-18.9	91	0.00
55	T	1,1,2-Trichloroethane	0.339	0.390	-15.0	94	0.00
56	T	Ethyl methacrylate	0.535	0.604	-12.9	90	0.00
57	T	1,3-Dichloropropane	0.590	0.648	-9.8	91	0.00
58	T	2-Chloroethyl Vinyl ether	0.270	0.270	0.0	79	0.00
59	T	2-Hexanone	0.403	0.433	-7.4	85	0.00
60	T	Dibromochloromethane	0.326	0.400	-22.7	93	0.00
61	T	1,2-Dibromoethane	0.345	0.411	-19.1	96	0.00
62	S	4-Bromofluorobenzene	0.408	0.431	-5.6	84	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
64	T	Tetrachloroethene	0.332	0.391	-17.8	105	0.00
65	PM	Chlorobenzene	1.071	1.207	-12.7	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.344	0.415	-20.6	95	0.00
67	C	Ethyl Benzene	1.851	2.076	-12.2#	93	0.00
68	T	m/p-Xylenes	0.679	0.799	-17.7	97	0.00
69	T	o-Xylene	0.687	0.766	-11.5	94	0.00
70	T	Styrene	1.102	1.289	-17.0	95	0.00
71	P	Bromoform	0.219	0.291	-32.9#	101	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
73	T	Isopropylbenzene	3.828	4.159	-8.6	97	0.00
74	T	N-amyl acetate	1.769	1.846	-4.4	88	0.00
75	P	1,1,2,2-Tetrachloroethane	1.329	1.378	-3.7	94	0.00
76	T	1,2,3-Trichloropropane	1.116	1.127	-1.0	91	0.00
77	T	Bromobenzene	0.928	1.022	-10.1	99	0.00
78	T	n-propylbenzene	4.231	4.713	-11.4	95	0.00
79	T	2-Chlorotoluene	2.736	2.866	-4.8	94	0.00
80	T	1,3,5-Trimethylbenzene	3.174	3.460	-9.0	95	0.00
81	T	trans-1,4-Dichloro-2-butene	0.347	0.404	-16.4	100	0.00
82	T	4-Chlorotoluene	3.030	3.273	-8.0	96	0.00
83	T	tert-Butylbenzene	3.137	3.475	-10.8	97	0.00
84	T	1,2,4-Trimethylbenzene	3.117	3.486	-11.8	96	0.00
85	T	sec-Butylbenzene	3.808	4.282	-12.4	98	0.00
86	T	p-Isopropyltoluene	3.170	3.586	-13.1	97	0.00
87	T	1,3-Dichlorobenzene	1.621	1.856	-14.5	100	0.00
88	T	1,4-Dichlorobenzene	1.667	1.854	-11.2	101	0.00
89	T	n-Butylbenzene	2.665	3.066	-15.0	98	0.00
90	T	Hexachloroethane	0.463	0.621	-34.1#	111	0.00
91	T	1,2-Dichlorobenzene	1.683	1.832	-8.9	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.258	0.316	-22.5	105	0.00
93	T	1,2,4-Trichlorobenzene	0.923	1.172	-27.0#	109	0.00
94	T	Hexachlorobutadiene	0.371	0.496	-33.7#	122	0.00
95	T	Naphthalene	3.603	4.095	-13.7	97	0.00

Sample Results: **VX044568.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044568.D
Acq On : 31 Dec 2024 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 01 01:35:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.979	1.215	-24.1	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Sample Results: **VX044568.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044568.D
Acq On : 31 Dec 2024 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 01 01:35:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	101	-0.01
2	T	Dichlorodifluoromethane	50.000	47.999	4.0	95	0.00
3	P	Chloromethane	50.000	45.678	8.6	90	0.00
4	C	Vinyl Chloride	50.000	46.169	7.7#	91	0.00
5	T	Bromomethane	50.000	44.122	11.8	88	0.00
6	T	Chloroethane	50.000	40.263	19.5	73	0.00
7	T	Trichlorofluoromethane	50.000	43.689	12.6	86	0.00
8	T	Diethyl Ether	50.000	44.744	10.5	91	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.708	-5.4	106	0.00
10	T	Methyl Iodide	50.000	51.077	-2.2	98	0.00
11	T	Tert butyl alcohol	250.000	189.910	24.0	79	0.00
12	CM	1,1-Dichloroethene	50.000	51.747	-3.5#	98	0.00
13	T	Acrolein	250.000	295.400	-18.2	115	0.00
14	T	Allyl chloride	50.000	50.195	-0.4	94	0.00
15	T	Acrylonitrile	250.000	238.263	4.7	92	0.00
16	T	Acetone	250.000	221.151	11.5	84	0.00
17	T	Carbon Disulfide	50.000	54.464	-8.9	102	0.00
18	T	Methyl Acetate	50.000	45.684	8.6	89	0.00
19	T	Methyl tert-butyl Ether	50.000	46.410	7.2	89	0.00
20	T	Methylene Chloride	50.000	47.500	5.0	93	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.675	-1.3	98	0.00
22	T	Diisopropyl ether	50.000	45.394	9.2	89	0.00
23	T	Vinyl Acetate	250.000	252.497	-1.0	91	0.00
24	P	1,1-Dichloroethane	50.000	47.372	5.3	90	0.00
25	T	2-Butanone	250.000	227.270	9.1	85	0.00
26	T	2,2-Dichloropropane	50.000	52.629	-5.3	97	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.707	2.6	96	0.00
28	T	Bromochloromethane	50.000	40.106	19.8	79	0.00
29	T	Tetrahydrofuran	250.000	220.108	12.0	86	0.00
30	C	Chloroform	50.000	46.039	7.9#	91	0.00
31	T	Cyclohexane	50.000	50.064	-0.1	98	0.00
32	T	1,1,1-Trichloroethane	50.000	48.836	2.3	92	0.00
33	S	1,2-Dichloroethane-d4	50.000	40.585	18.8	78	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	86	0.00
35	S	Dibromofluoromethane	50.000	52.411	-4.8	85	-0.01
36	T	1,1-Dichloropropene	50.000	54.974	-9.9	95	0.00
37	T	Ethyl Acetate	50.000	51.179	-2.4	84	0.00
38	T	Carbon Tetrachloride	50.000	58.493	-17.0	97	0.00
39	T	Methylcyclohexane	50.000	62.218	-24.4	103	0.00
40	TM	Benzene	50.000	56.956	-13.9	94	0.00
41	T	Methacrylonitrile	50.000	53.187	-6.4	89	0.00
42	TM	1,2-Dichloroethane	50.000	53.442	-6.9	88	0.00
43	T	Isopropyl Acetate	50.000	52.612	-5.2	85	0.00
44	TM	Trichloroethene	50.000	57.737	-15.5	96	0.00
45	C	1,2-Dichloropropane	50.000	54.613	-9.2#	91	0.00
46	T	Dibromomethane	50.000	57.127	-14.3	92	0.00
47	T	Bromodichloromethane	50.000	58.502	-17.0	92	0.00
48	T	Methyl methacrylate	50.000	52.647	-5.3	85	0.00

Sample Results: **VX044568.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044568.D
Acq On : 31 Dec 2024 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 01 01:35:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	842.492	15.8	67	-0.01
50	S	Toluene-d8	50.000	50.065	-0.1	80	0.00
51	T	4-Methyl-2-Pentanone	250.000	261.860	-4.7	85	0.00
52	CM	Toluene	50.000	55.324	-10.6#	93	0.00
53	T	t-1,3-Dichloropropene	50.000	55.413	-10.8	93	0.00
54	T	cis-1,3-Dichloropropene	50.000	59.484	-19.0	91	0.00
55	T	1,1,2-Trichloroethane	50.000	57.575	-15.2	94	0.00
56	T	Ethyl methacrylate	50.000	56.449	-12.9	90	0.00
57	T	1,3-Dichloropropane	50.000	54.928	-9.9	91	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	249.641	0.1	79	0.00
59	T	2-Hexanone	250.000	269.228	-7.7	85	0.00
60	T	Dibromochloromethane	50.000	55.351	-10.7	93	0.00
61	T	1,2-Dibromoethane	50.000	59.502	-19.0	96	0.00
62	S	4-Bromofluorobenzene	50.000	52.781	-5.6	84	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.00
64	T	Tetrachloroethene	50.000	58.875	-17.8	105	0.00
65	PM	Chlorobenzene	50.000	56.329	-12.7	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	60.261	-20.5	95	0.00
67	C	Ethyl Benzene	50.000	56.061	-12.1#	93	0.00
68	T	m/p-Xylenes	100.000	117.664	-17.7	97	0.00
69	T	o-Xylene	50.000	55.747	-11.5	94	0.00
70	T	Styrene	50.000	58.516	-17.0	95	0.00
71	P	Bromoform	50.000	59.018	-18.0	101	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	91	0.00
73	T	Isopropylbenzene	50.000	54.328	-8.7	97	0.00
74	T	N-amyl acetate	50.000	52.165	-4.3	88	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.834	-3.7	94	0.00
76	T	1,2,3-Trichloropropane	50.000	50.483	-1.0	91	0.00
77	T	Bromobenzene	50.000	55.033	-10.1	99	0.00
78	T	n-propylbenzene	50.000	55.705	-11.4	95	0.00
79	T	2-Chlorotoluene	50.000	52.375	-4.8	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.494	-9.0	95	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.699	-3.4	100	0.00
82	T	4-Chlorotoluene	50.000	54.013	-8.0	96	0.00
83	T	tert-Butylbenzene	50.000	55.386	-10.8	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.916	-11.8	96	0.00
85	T	sec-Butylbenzene	50.000	56.216	-12.4	98	0.00
86	T	p-Isopropyltoluene	50.000	56.559	-13.1	97	0.00
87	T	1,3-Dichlorobenzene	50.000	57.239	-14.5	100	0.00
88	T	1,4-Dichlorobenzene	50.000	55.609	-11.2	101	0.00
89	T	n-Butylbenzene	50.000	57.524	-15.0	98	0.00
90	T	Hexachloroethane	50.000	67.110	-34.2#	111	0.00
91	T	1,2-Dichlorobenzene	50.000	54.413	-8.8	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	61.261	-22.5	105	0.00
93	T	1,2,4-Trichlorobenzene	50.000	63.468	-26.9#	109	0.00
94	T	Hexachlorobutadiene	50.000	66.863	-33.7#	122	0.00
95	T	Naphthalene	50.000	56.827	-13.7	97	0.00

Sample Results: **VX044568.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044568.D
Acq On : 31 Dec 2024 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 01 01:35:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	62.075	-24.2	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX044576.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5376 SAS No.: P5376 SDG No.: P5376

Instrument ID: MSVOA_X Calibration Date/Time: 12/31/2024 13:27

Lab File ID: VX044576.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.773	0.737		-4.66	50
Chloromethane	0.739	0.676	0.1	-8.52	50
Vinyl Chloride	0.770	0.695		-9.74	50
Bromomethane	0.546	0.476		-12.82	50
Chloroethane	0.480	0.435		-9.38	50
Trichlorofluoromethane	1.508	1.259		-16.51	50
1,1,2-Trichlorotrifluoroethane	0.610	0.714		17.05	50
1,1-Dichloroethene	0.560	0.664		18.57	50
Acetone	0.357	0.345		-3.36	50
Carbon Disulfide	1.065	1.278		20	50
Methyl tert-butyl Ether	2.187	1.956		-10.56	50
Methyl Acetate	0.922	0.816		-11.5	50
Methylene Chloride	0.671	0.646		-3.73	50
trans-1,2-Dichloroethene	0.596	0.588		-1.34	50
1,1-Dichloroethane	1.172	1.127	0.1	-3.84	50
Cyclohexane	0.946	0.900		-4.86	50
2-Butanone	0.508	0.442		-12.99	50
Carbon Tetrachloride	0.482	0.536		11.2	50
cis-1,2-Dichloroethene	0.756	0.713		-5.69	50
Bromochloromethane	0.575	0.446		-22.43	50
Chloroform	1.316	1.208		-8.21	50
1,1,1-Trichloroethane	1.093	1.052		-3.75	50
Methylcyclohexane	0.535	0.630		17.76	50
Benzene	1.359	1.493		9.86	50
1,2-Dichloroethane	0.560	0.570		1.79	50
Trichloroethene	0.339	0.384		13.27	50
1,2-Dichloropropane	0.347	0.361		4.03	50
Bromodichloromethane	0.465	0.521		12.04	50
4-Methyl-2-Pentanone	0.556	0.568		2.16	50
Toluene	0.853	0.918		7.62	50
t-1,3-Dichloropropene	0.455	0.524		15.16	50
cis-1,3-Dichloropropene	0.507	0.568		12.03	50
1,1,2-Trichloroethane	0.339	0.376		10.91	50
2-Hexanone	0.403	0.421		4.47	50
Dibromochloromethane	0.326	0.397		21.78	50
1,2-Dibromoethane	0.345	0.399		15.65	50
Tetrachloroethene	0.332	0.393		18.37	50
Chlorobenzene	1.071	1.185	0.3	10.64	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VX044576.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: P5376 SAS No.: P5376 SDG No.: P5376

Instrument ID: MSVOA_X Calibration Date/Time: 12/31/2024 13:27

Lab File ID: VX044576.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	$\overline{RRF}$	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.851	2.017		8.97	50
m/p-Xylenes	0.679	0.765		12.67	50
o-Xylene	0.687	0.759		10.48	50
Styrene	1.102	1.248		13.25	50
Bromoform	0.219	0.285	0.1	30.14	50
Isopropylbenzene	3.828	4.027		5.2	50
1,1,2,2-Tetrachloroethane	1.329	1.313	0.3	-1.2	50
1,3-Dichlorobenzene	1.621	1.802		11.17	50
1,4-Dichlorobenzene	1.667	1.804		8.22	50
1,2-Dichlorobenzene	1.684	1.807		7.3	50
1,2-Dibromo-3-Chloropropane	0.258	0.250		-3.1	50
1,2,4-Trichlorobenzene	0.923	1.099		19.07	50
1,2,3-Trichlorobenzene	0.979	1.124		14.81	50
1,2-Dichloroethane-d4	0.877	0.692		-21.09	50
Dibromofluoromethane	0.346	0.345		-0.29	50
Toluene-d8	1.168	1.152		-1.37	50
4-Bromofluorobenzene	0.408	0.410		0.49	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Quantitation Report (QT Reviewed)

Sample Results: **VX044576.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044576.D
Acq On : 31 Dec 2024 13:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jan 01 01:40:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	140960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	225685	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	198399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	97576	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97535	39.464	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 78.920%			
35) Dibromofluoromethane	5.385	113	77928	49.856	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.720%			
50) Toluene-d8	8.647	98	260069	49.317	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.640%			
62) 4-Bromofluorobenzene	11.079	95	92627	50.269	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	103892	47.666	ug/l	99
3) Chloromethane	1.294	50	95257	45.702	ug/l	97
4) Vinyl Chloride	1.374	62	98020	45.141	ug/l	100
5) Bromomethane	1.593	94	67095	43.554	ug/l	99
6) Chloroethane	1.660	64	61308	45.342	ug/l	97
7) Trichlorofluoromethane	1.868	101	177449	41.743	ug/l	100
8) Diethyl Ether	2.130	74	67246	46.343	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.313	101	100576	58.469	ug/l	96
10) Methyl Iodide	2.441	142	130181	57.421	ug/l	96
11) Tert butyl alcohol	2.995	59	69968	200.872	ug/l	99
12) 1,1-Dichloroethene	2.307	96	93531	59.197	ug/l	97
13) Acrolein	2.233	56	174525	346.137	ug/l	99
14) Allyl chloride	2.654	41	125491	47.685	ug/l	98
15) Acrylonitrile	3.069	53	220918	228.963	ug/l	98
16) Acetone	2.386	43	243176	241.344	ug/l	97
17) Carbon Disulfide	2.495	76	180172	59.990	ug/l	99
18) Methyl Acetate	2.703	43	115058	44.288	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	275680	44.712	ug/l	99
20) Methylene Chloride	2.782	84	91018	48.094	ug/l	93
21) trans-1,2-Dichloroethene	3.081	96	82914	49.377	ug/l	96
22) Diisopropyl ether	3.764	45	262179	44.241	ug/l	97
23) Vinyl Acetate	3.721	43	1169124	242.662	ug/l	98
24) 1,1-Dichloroethane	3.605	63	158925	48.111	ug/l	99
25) 2-Butanone	4.562	43	311632	217.555	ug/l	98
26) 2,2-Dichloropropane	4.465	77	127921	47.668	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	100532	47.140	ug/l	95
28) Bromochloromethane	4.891	49	62889	38.824	ug/l	90
29) Tetrahydrofuran	5.007	42	202782	220.552	ug/l	99
30) Chloroform	5.086	83	170222	45.865	ug/l	97
31) Cyclohexane	5.458	56	126907	47.576	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	148300	48.137	ug/l	99
36) 1,1-Dichloropropene	5.684	75	106678	52.798	ug/l	98
37) Ethyl Acetate	4.715	43	127358	50.993	ug/l	98
38) Carbon Tetrachloride	5.666	117	121006	55.628	ug/l	95
39) Methylcyclohexane	7.373	83	142252	58.893	ug/l	96
40) Benzene	6.031	78	337023	54.939	ug/l	99

Sample Results: **VX044576.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044576.D
Acq On : 31 Dec 2024 13:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jan 01 01:40:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	68596	51.723 ug/l	99
42) 1,2-Dichloroethane	6.080	62	128562	50.875 ug/l	97
43) Isopropyl Acetate	6.342	43	201793	51.693 ug/l	98
44) Trichloroethene	7.123	130	86732	56.695 ug/l	92
45) 1,2-Dichloropropane	7.421	63	81441	51.964 ug/l	97
46) Dibromomethane	7.580	93	66665	54.828 ug/l	91
47) Bromodichloromethane	7.818	83	117575	55.991 ug/l	97
48) Methyl methacrylate	7.690	41	95572	50.435 ug/l	96
49) 1,4-Dioxane	7.659	88	27411	872.476 ug/l #	71
51) 4-Methyl-2-Pentanone	8.574	43	641305	255.503 ug/l	98
52) Toluene	8.714	92	207232	53.794 ug/l	97
53) t-1,3-Dichloropropene	8.976	75	118338	52.328 ug/l	95
54) cis-1,3-Dichloropropene	8.360	75	128135	56.041 ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	84959	55.514 ug/l	97
56) Ethyl methacrylate	9.116	69	130921	54.188 ug/l	97
57) 1,3-Dichloropropane	9.305	76	140059	52.578 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	274133	224.961 ug/l	98
59) 2-Hexanone	9.433	43	474933	261.415 ug/l	98
60) Dibromochloromethane	9.519	129	89535	54.879 ug/l	98
61) 1,2-Dibromoethane	9.610	107	90037	57.798 ug/l	97
64) Tetrachloroethene	9.269	164	78034	59.260 ug/l	98
65) Chlorobenzene	10.079	112	235032	55.285 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	80153	58.664 ug/l	98
67) Ethyl Benzene	10.189	91	400163	54.478 ug/l	98
68) m/p-Xylenes	10.299	106	303741	112.691 ug/l	95
69) o-Xylene	10.640	106	150613	55.227 ug/l	95
70) Styrene	10.653	104	247655	56.647 ug/l	97
71) Bromoform	10.799	173	56502	57.985 ug/l #	99
73) Isopropylbenzene	10.963	105	392941	52.604 ug/l	99
74) N-amyl acetate	10.842	43	167165	48.422 ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	128112	49.378 ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	104703m	48.059 ug/l	
77) Bromobenzene	11.195	156	98184	54.204 ug/l	92
78) n-propylbenzene	11.305	91	442694	53.620 ug/l	98
79) 2-Chlorotoluene	11.366	91	265615	49.746 ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	323069	52.153 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	33990	45.297 ug/l	98
82) 4-Chlorotoluene	11.451	91	301813	51.045 ug/l	98
83) tert-Butylbenzene	11.713	119	326099	53.267 ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	327138	53.774 ug/l	97
85) sec-Butylbenzene	11.890	105	397663	53.507 ug/l	98
86) p-Isopropyltoluene	12.006	119	341208	55.160 ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	175836	55.573 ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	176047	54.125 ug/l	98
89) n-Butylbenzene	12.329	91	284584	54.712 ug/l	99
90) Hexachloroethane	12.536	117	51267	56.776 ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	176325	53.670 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	24434	48.513 ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	107249	59.544 ug/l	99
94) Hexachlorobutadiene	13.725	225	45565	62.892 ug/l	99
95) Naphthalene	13.774	128	364180	51.798 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	109714	57.429 ug/l	98

Sample Results: **VX044576.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044576.D
Acq On : 31 Dec 2024 13:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

Quant Time: Jan 01 01:40:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

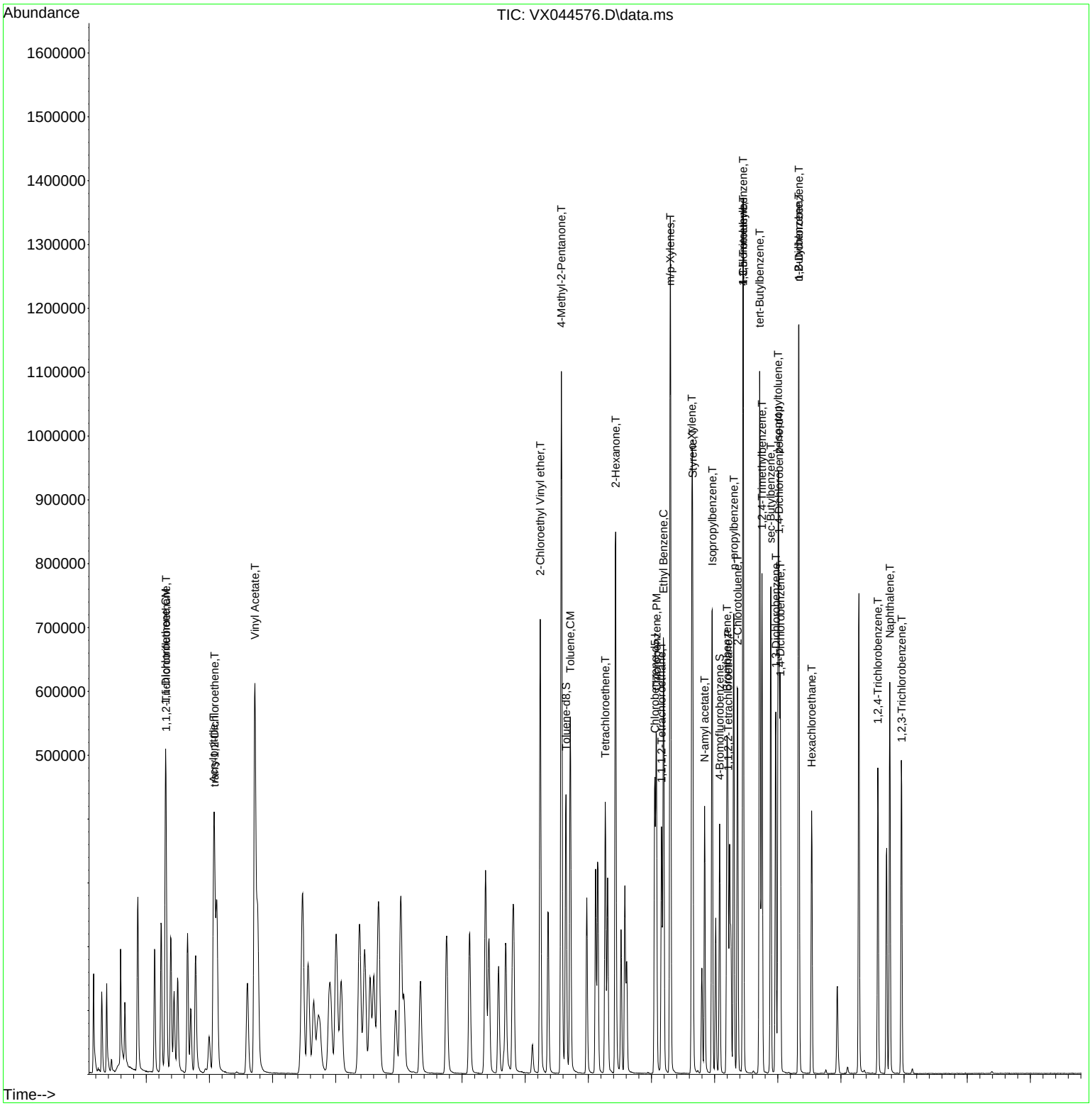
Sample Results: **VX044576.D**

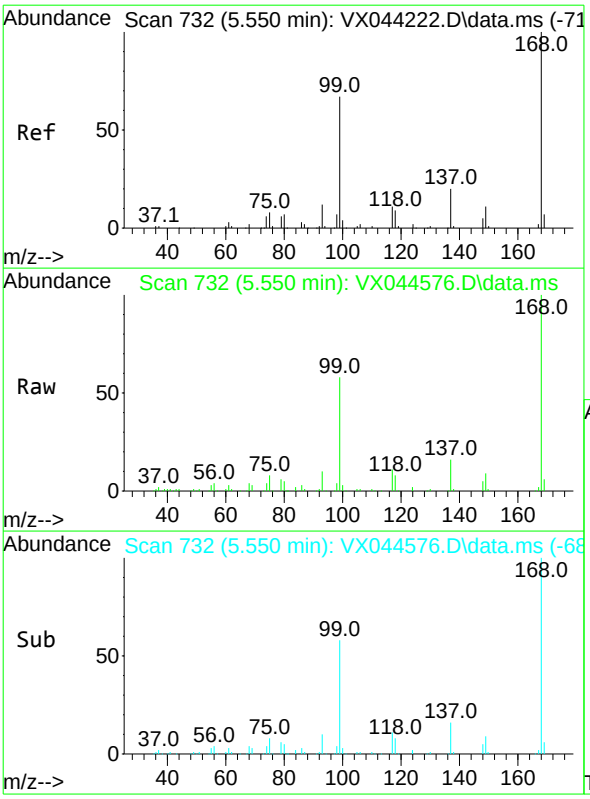
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044576.D
Acq On : 31 Dec 2024 13:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jan 01 01:40:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

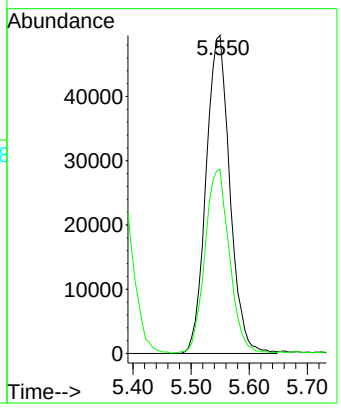
Tgt Ion:168 Resp: 140960

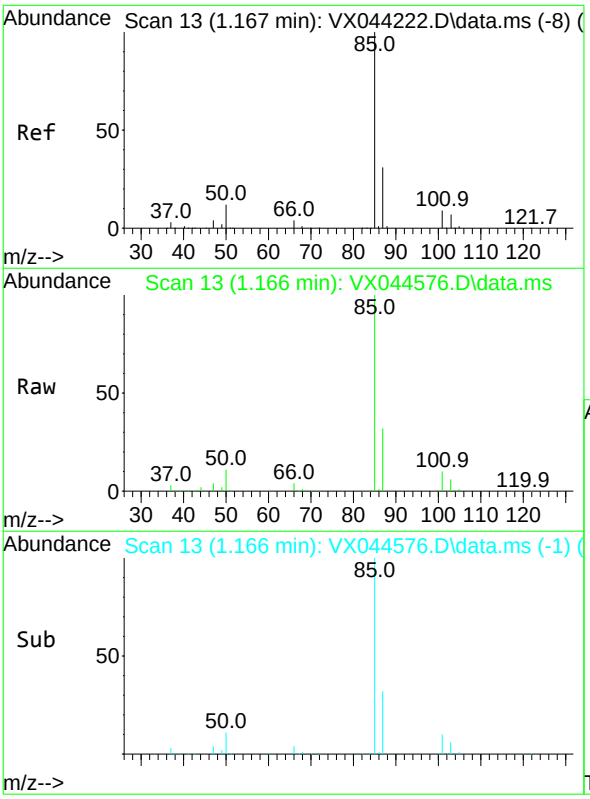
Ion	Ratio	Lower	Upper
168	100		
99	57.6	53.4	80.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

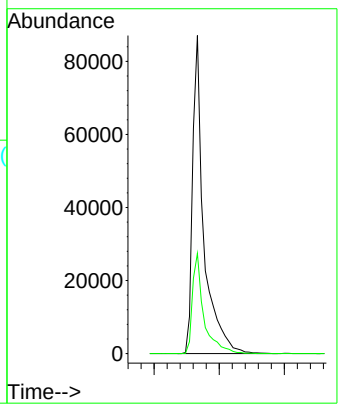


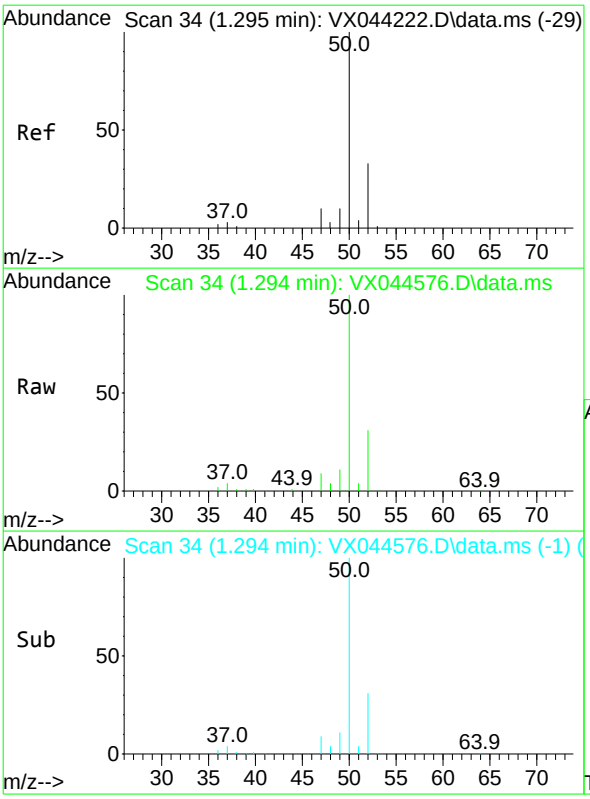


#2
Dichlorodifluoromethane
Concen: 47.666 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 85 Resp: 103892

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.4	46.4





#3
Chloromethane
Concen: 45.702 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 50 Resp: 95257

Ion	Ratio	Lower	Upper
50	100		
52	31.2	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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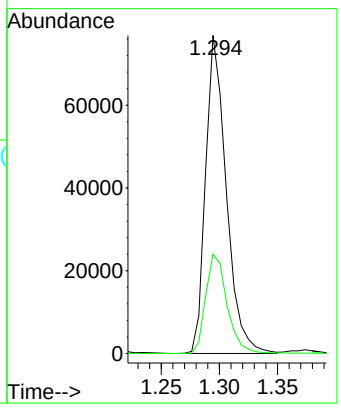
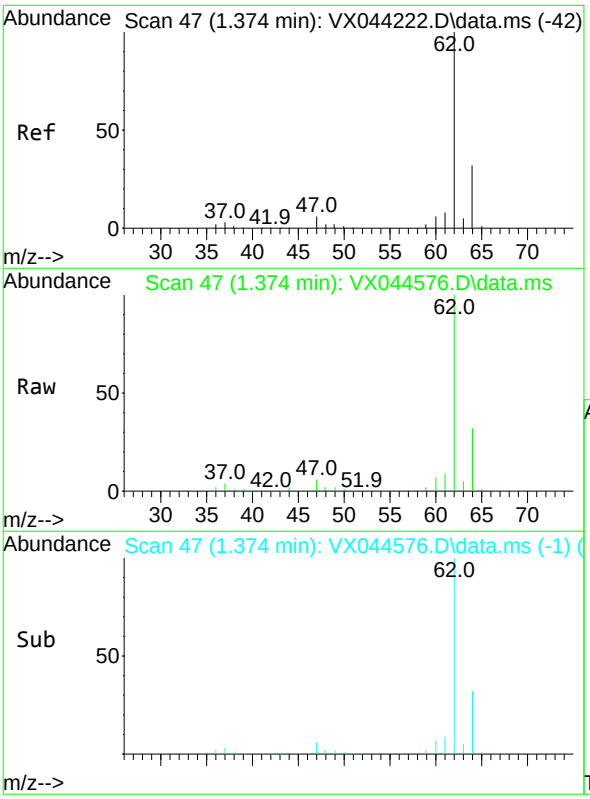
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

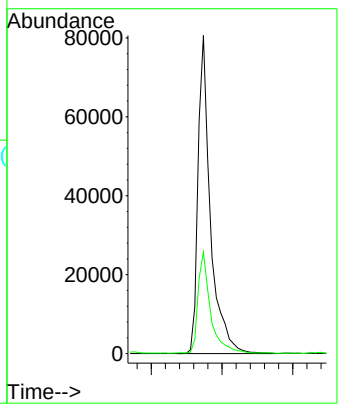


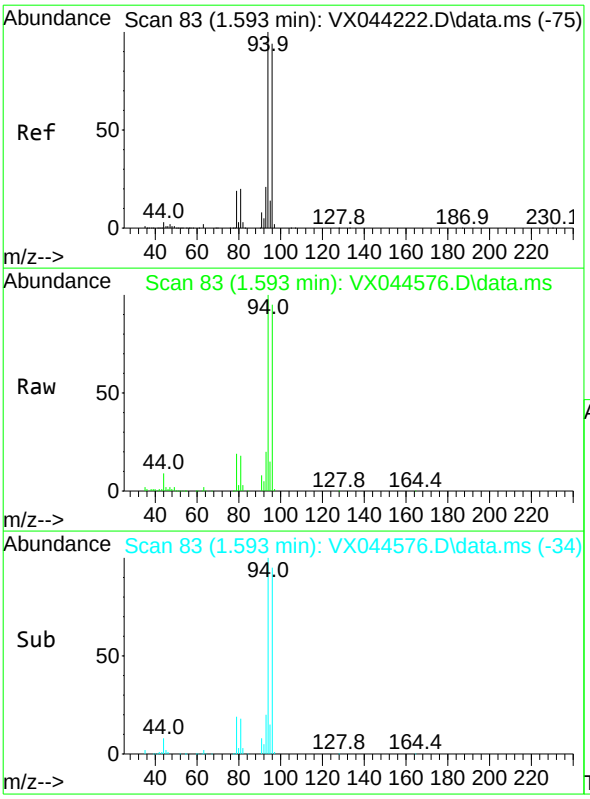


#4
Vinyl Chloride
Concen: 45.141 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 62 Resp: 98020

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.7	38.5





#5
Bromomethane
Concen: 43.554 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 94 Resp: 67095

Ion	Ratio	Lower	Upper
94	100		
96	94.8	74.9	112.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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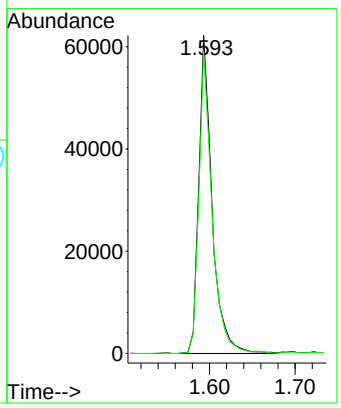
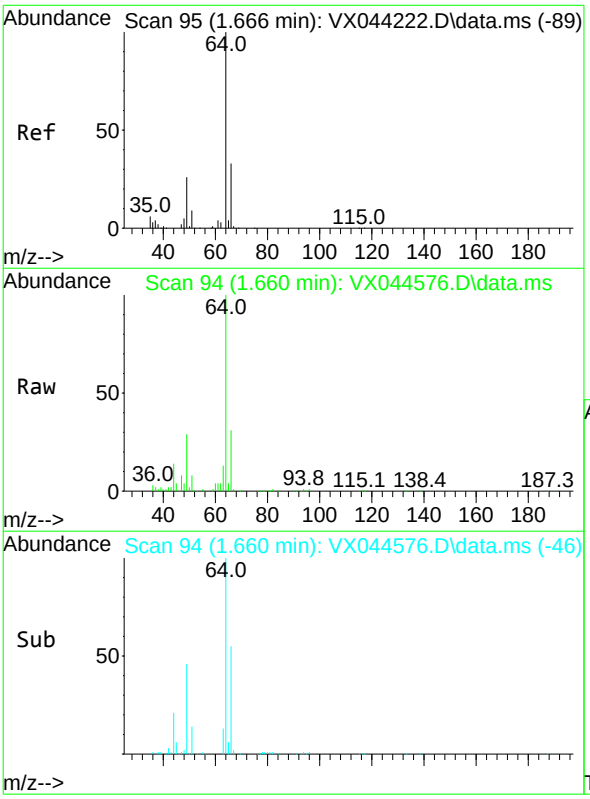
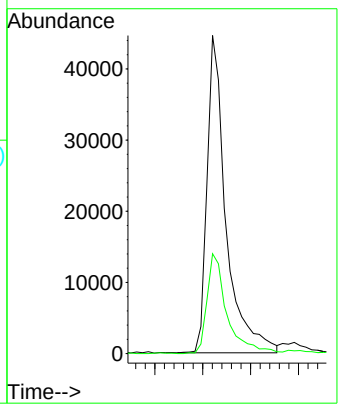


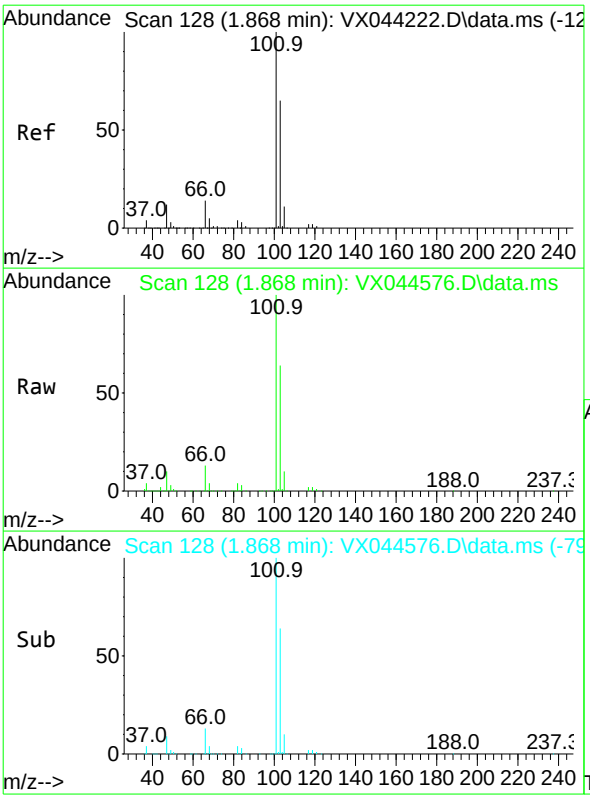


#6
Chloroethane
Concen: 45.342 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 64 Resp: 61308

Ion	Ratio	Lower	Upper
64	100		
66	31.5	26.6	39.8





#7
Trichlorofluoromethane
Concen: 41.743 ug/l
RT: 1.868 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:101 Resp: 177449

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.8	77.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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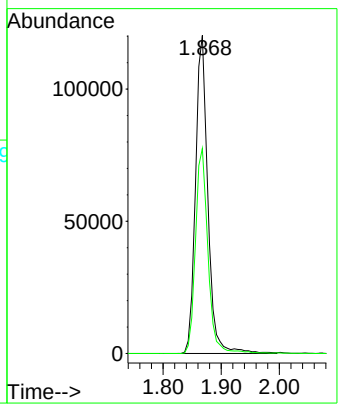
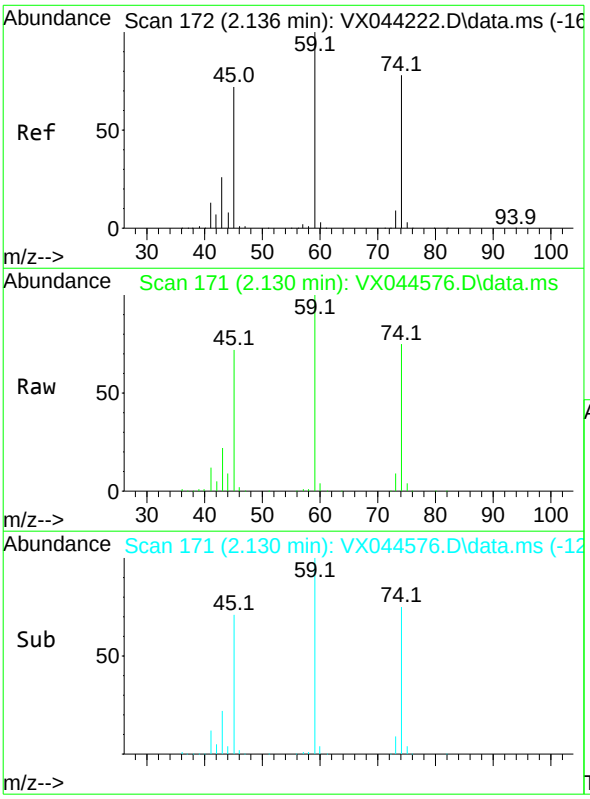
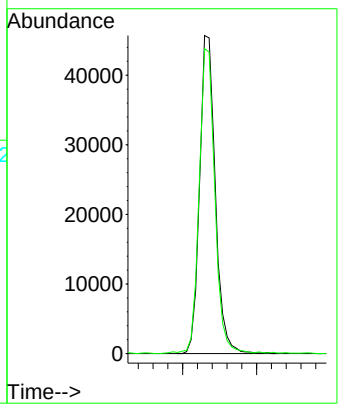


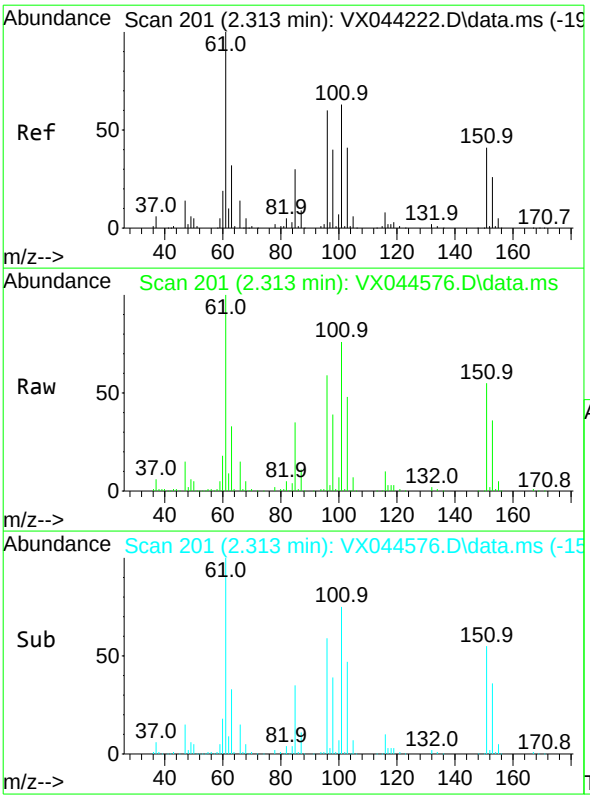


#8
Diethyl Ether
Concen: 46.343 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 74 Resp: 67246

Ion	Ratio	Lower	Upper
74	100		
45	96.2	48.4	145.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 58.469 ug/l
RT: 2.313 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:101 Resp: 100576

Ion	Ratio	Lower	Upper
101	100		
85	46.4	38.5	57.7
151	74.0	55.8	83.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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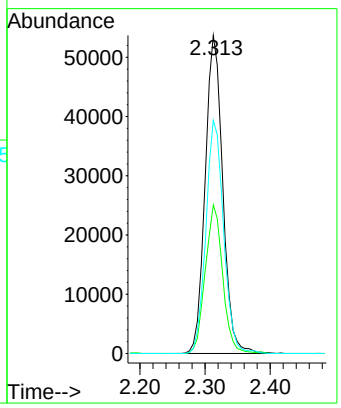
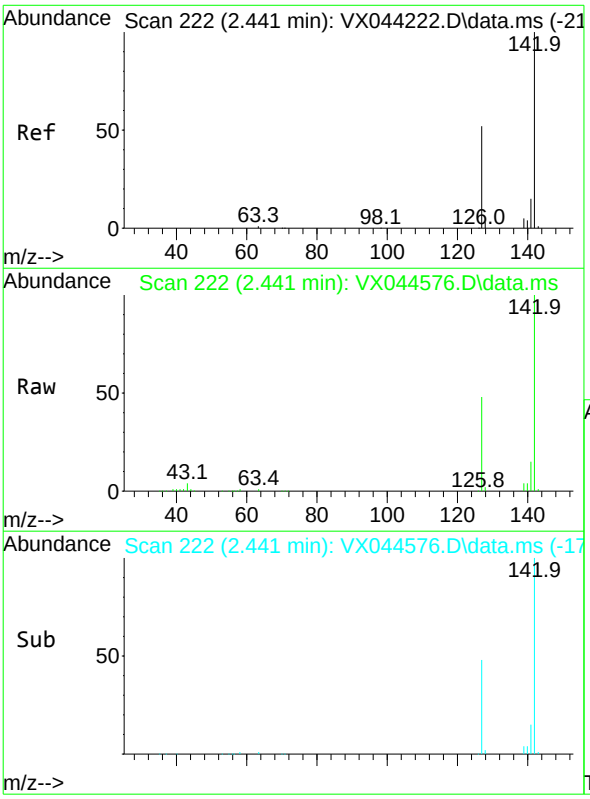
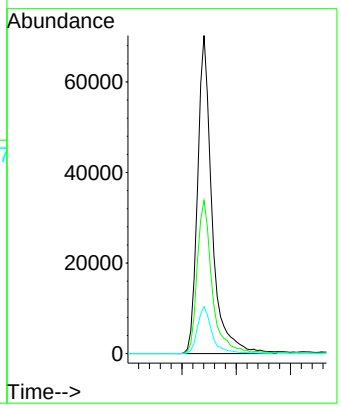


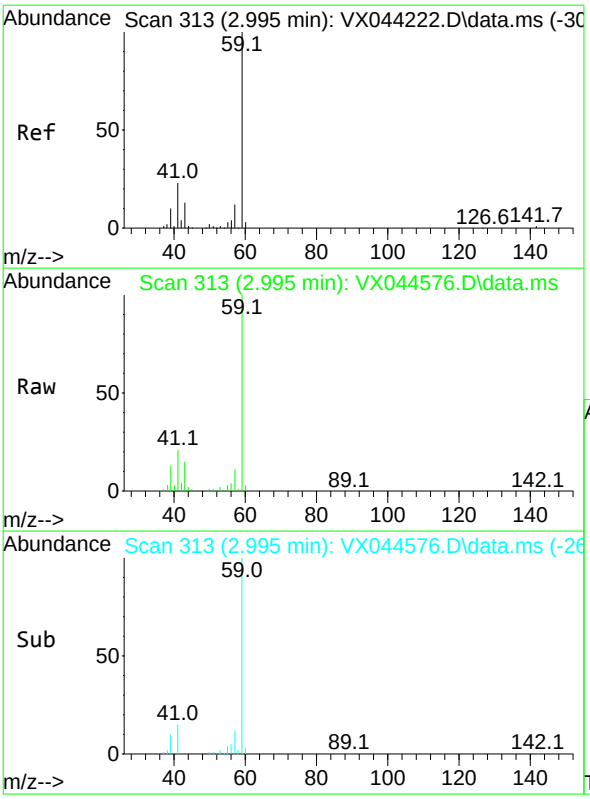


#10
Methyl Iodide
Concen: 57.421 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:142 Resp: 130181

Ion	Ratio	Lower	Upper
142	100		
127	49.4	41.8	62.8
141	15.0	11.5	17.3





#11
Tert butyl alcohol
Concen: 200.872 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 59 Resp: 69968

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.8	13.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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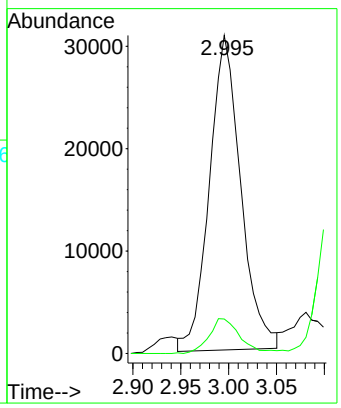
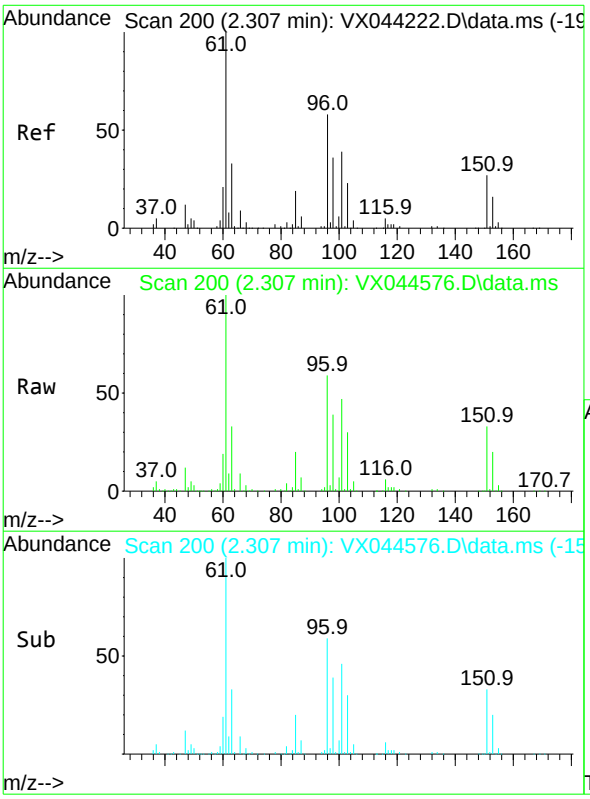
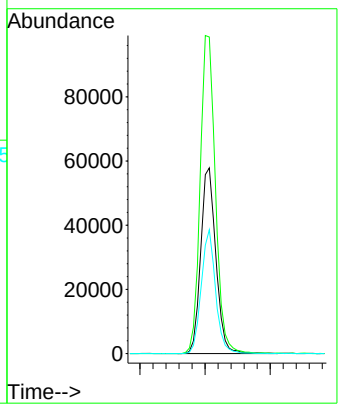


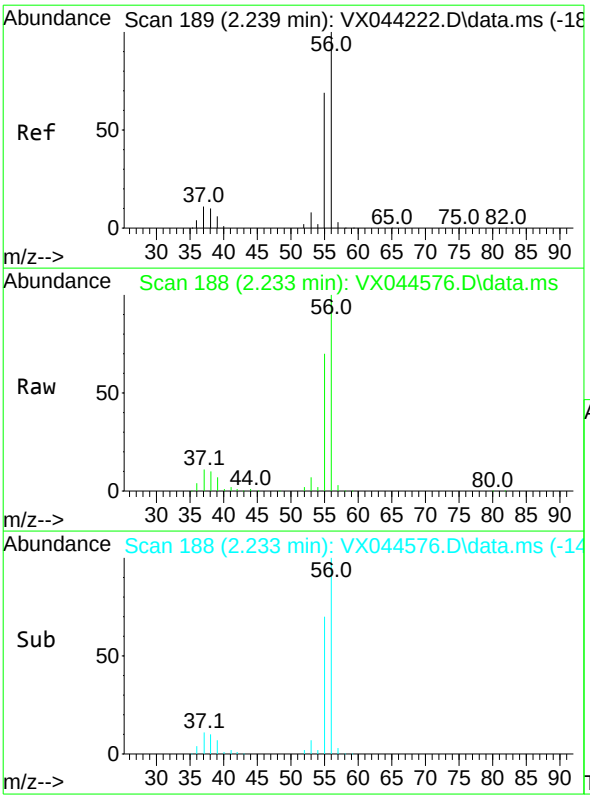


#12
1,1-Dichloroethene
Concen: 59.197 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 96 Resp: 93531

Ion	Ratio	Lower	Upper
96	100		
61	170.5	138.0	207.0
98	66.7	50.0	75.0





#13
Acrolein
Concen: 346.137 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.006 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 56 Resp: 174525

Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.6	84.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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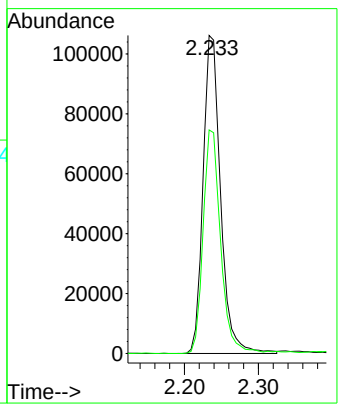
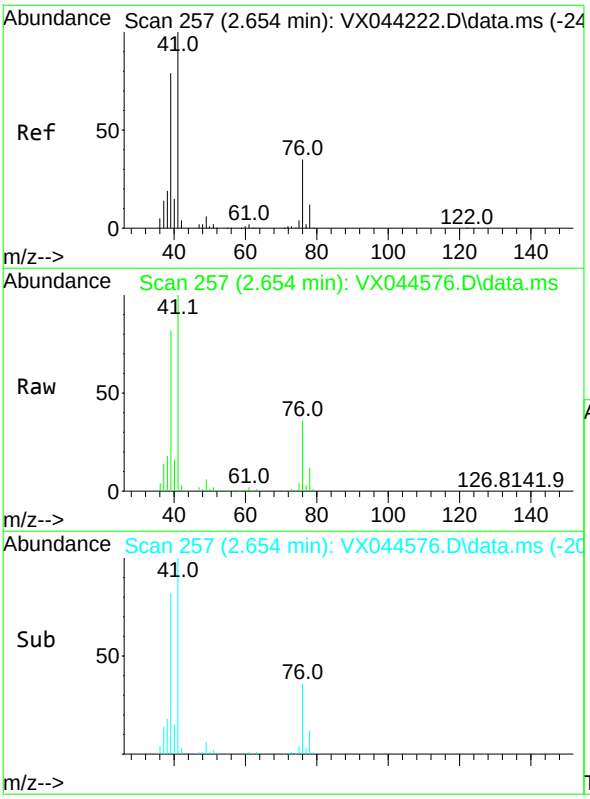
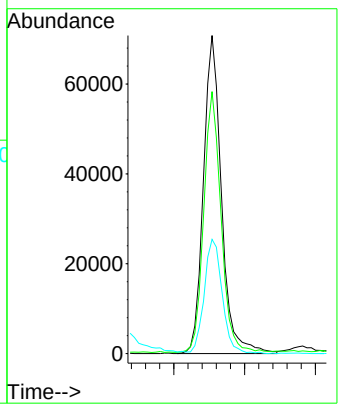


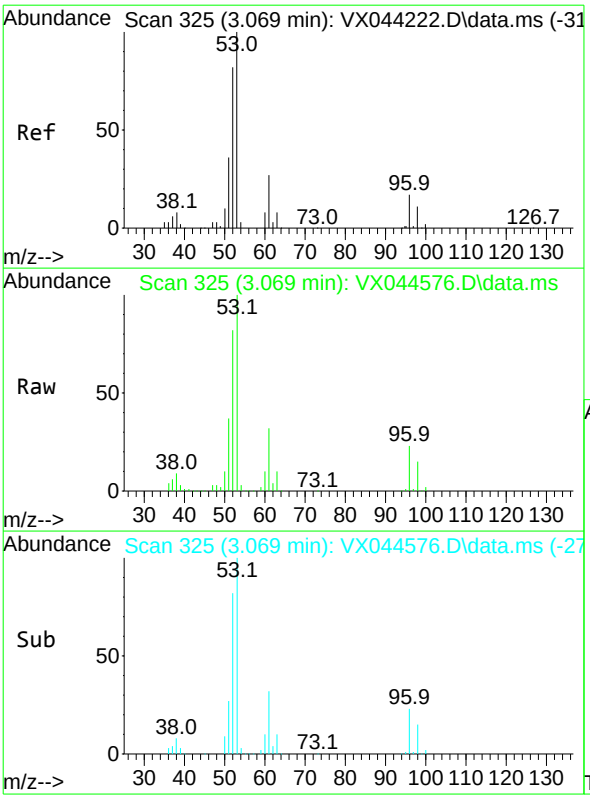


#14
Allyl chloride
Concen: 47.685 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 41 Resp: 125491

Ion	Ratio	Lower	Upper
41	100		
39	78.4	61.9	92.9
76	35.8	27.4	41.2





#15
Acrylonitrile
Concen: 228.963 ug/l
RT: 3.069 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 53 Resp: 220918

Ion	Ratio	Lower	Upper
53	100		
52	85.9	67.4	101.0
51	38.4	30.3	45.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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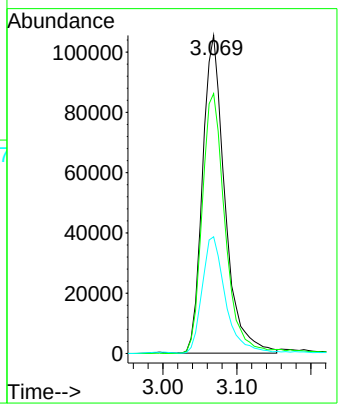
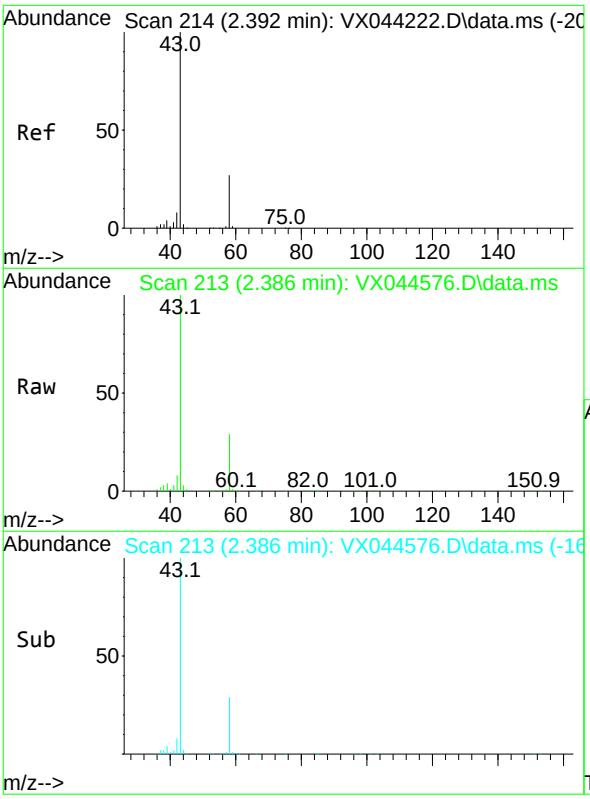
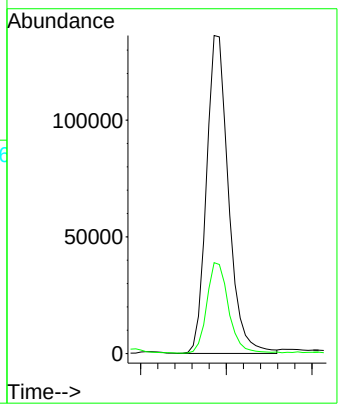


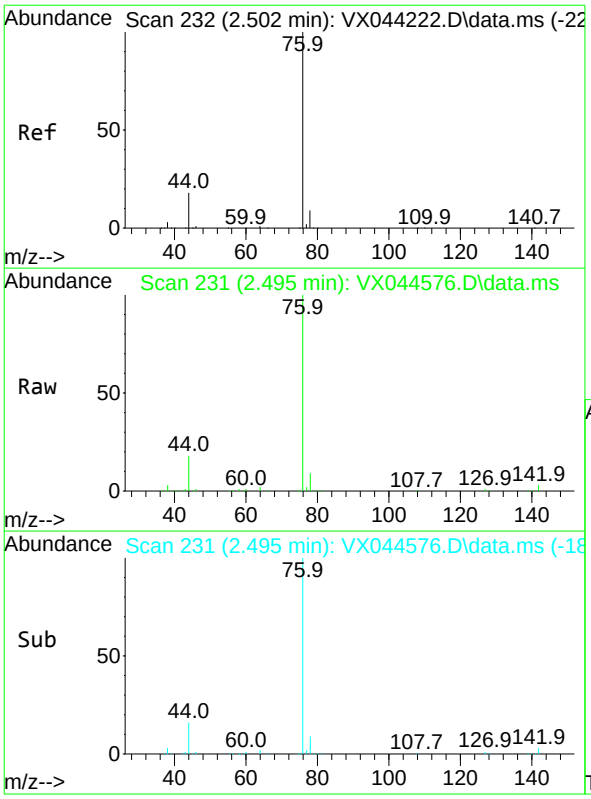


#16
Acetone
Concen: 241.344 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 43 Resp: 243176

Ion	Ratio	Lower	Upper
43	100		
58	28.4	21.6	32.4





#17
Carbon Disulfide
Concen: 59.990 ug/l
RT: 2.495 min Scan# 23
Delta R.T. -0.006 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 76 Resp: 180172

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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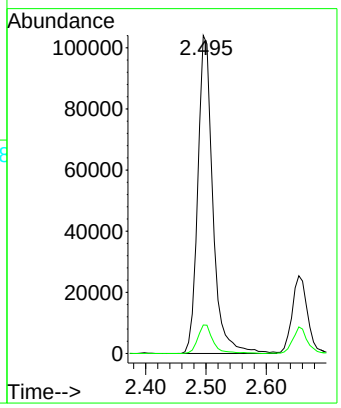
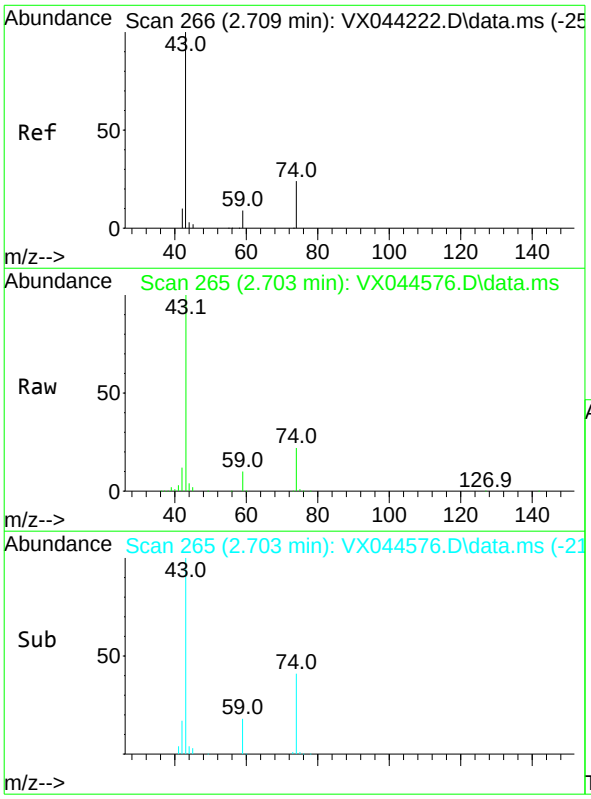
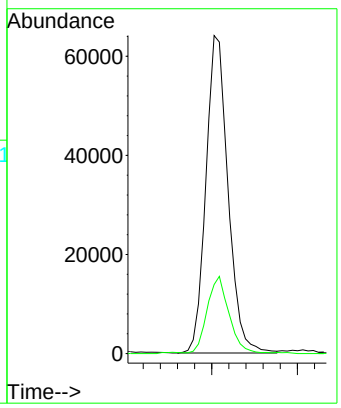


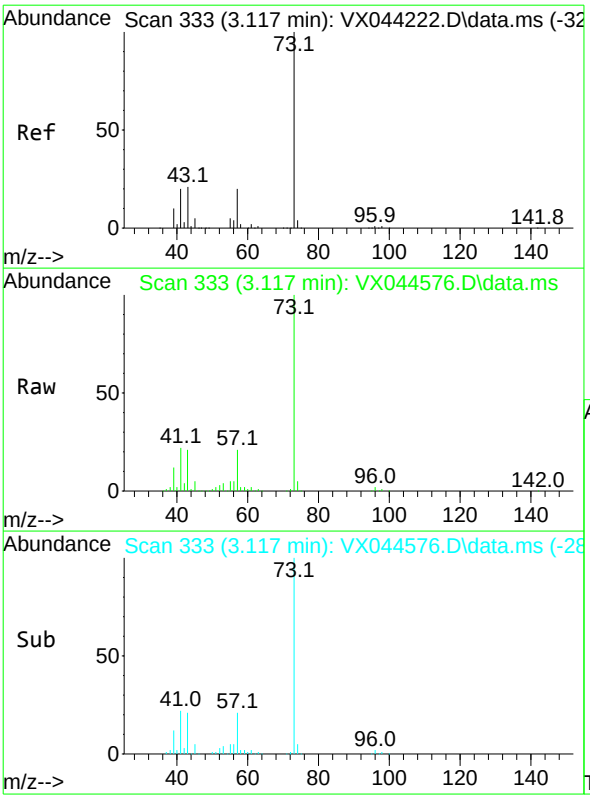


#18
Methyl Acetate
Concen: 44.288 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 43 Resp: 115058

Ion	Ratio	Lower	Upper
43	100		
74	23.2	17.7	26.5





#19
Methyl tert-butyl Ether
Concen: 44.712 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 73 Resp: 275680

Ion	Ratio	Lower	Upper
73	100		
57	20.9	16.2	24.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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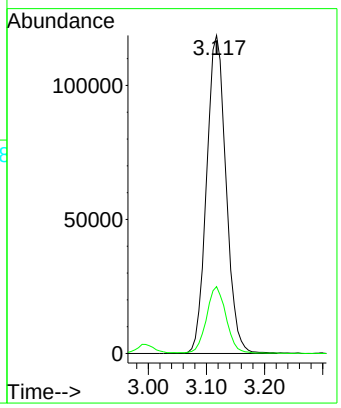
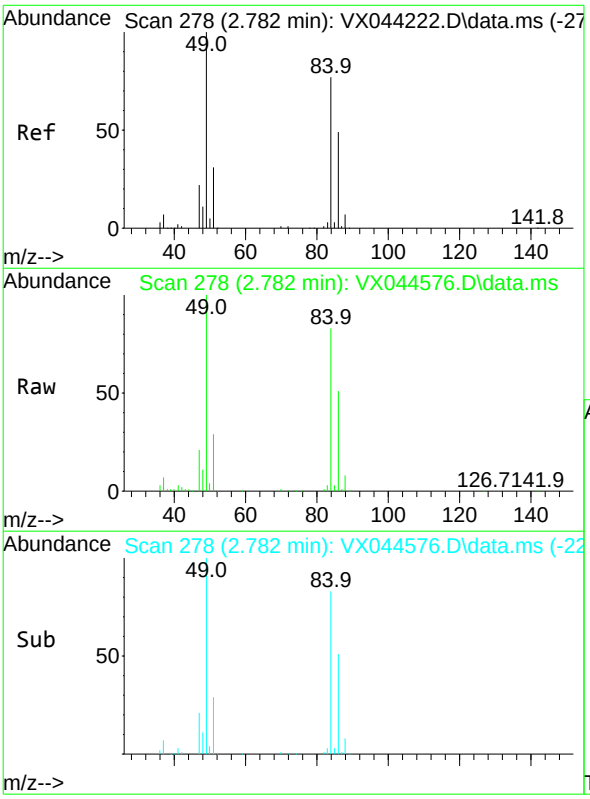
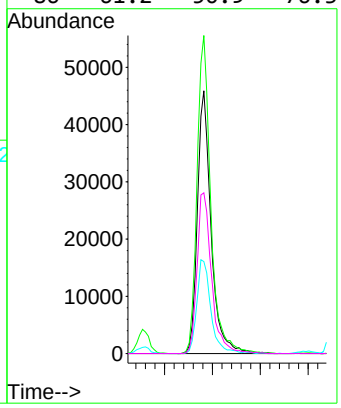


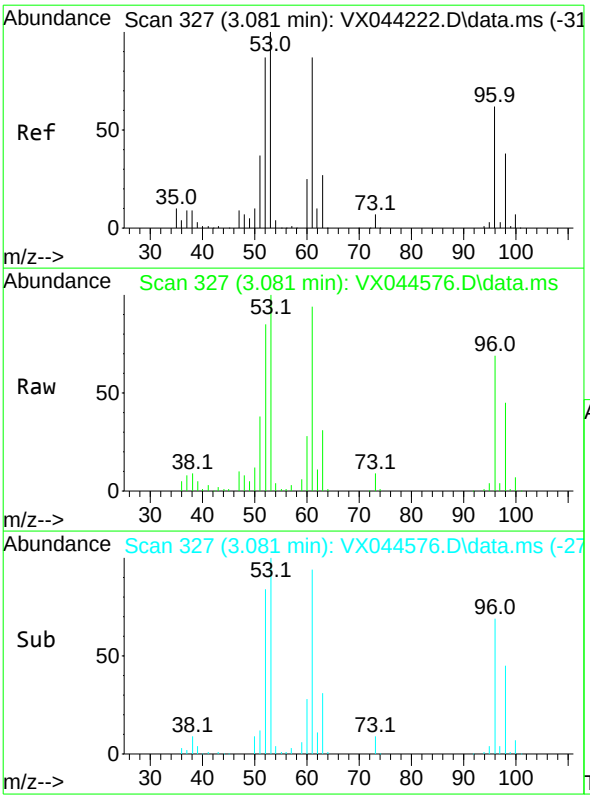


#20
Methylene Chloride
Concen: 48.094 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 84 Resp: 91018

Ion	Ratio	Lower	Upper
84	100		
49	121.0	104.2	156.4
51	35.0	32.2	48.4
86	61.2	50.9	76.3





#21
trans-1,2-Dichloroethene
Concen: 49.377 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 96 Resp: 82914

Ion	Ratio	Lower	Upper
96	100		
61	135.8	112.0	168.0
98	64.9	48.8	73.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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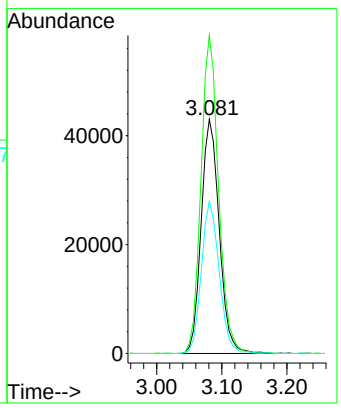
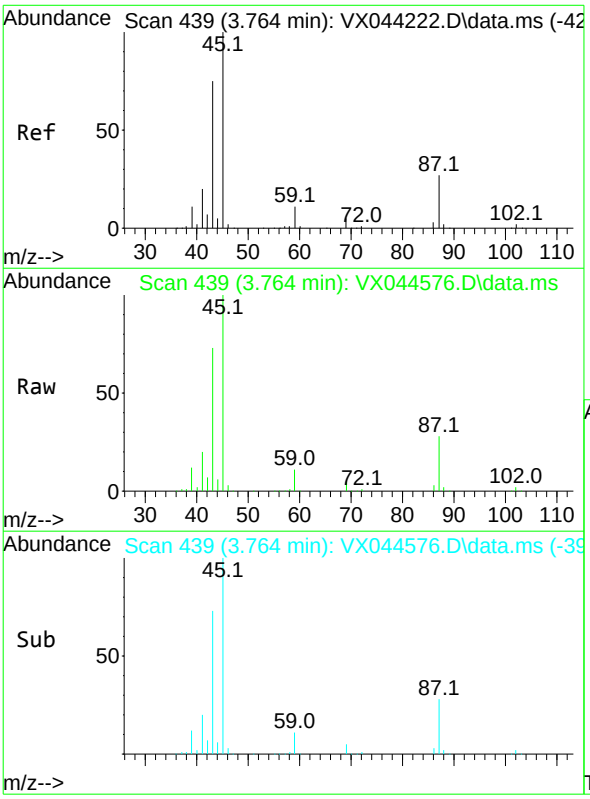
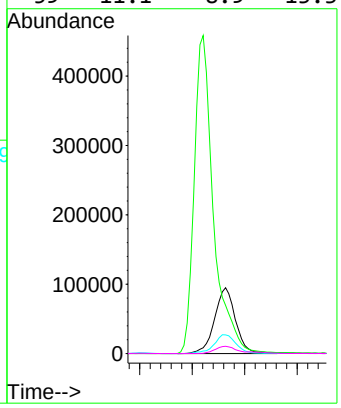


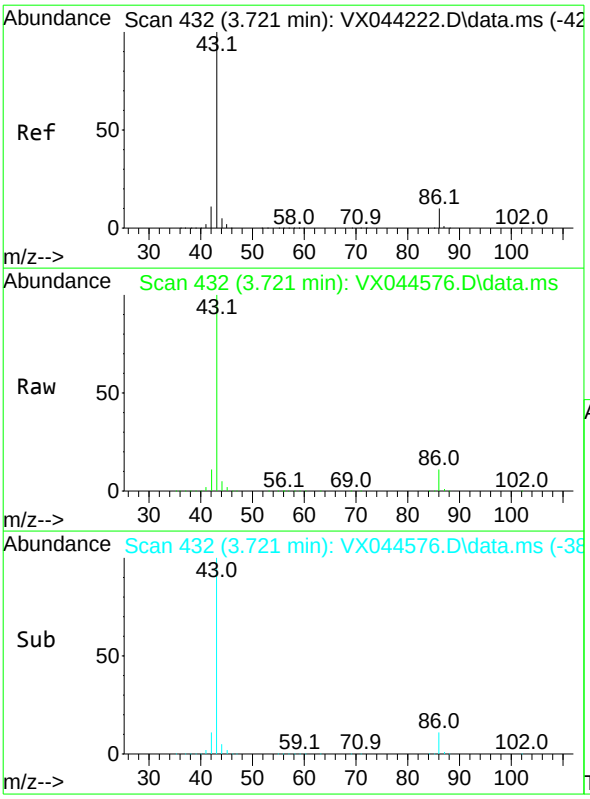


#22
Diisopropyl ether
Concen: 44.241 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 45 Resp: 262179

Ion	Ratio	Lower	Upper
45	100		
43	72.9	60.2	90.2
87	28.3	21.2	31.8
59	11.1	8.9	13.3





#23
Vinyl Acetate
Concen: 242.662 ug/l
RT: 3.721 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 43 Resp: 1169124

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.2	12.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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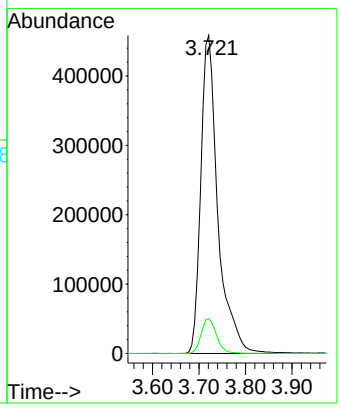
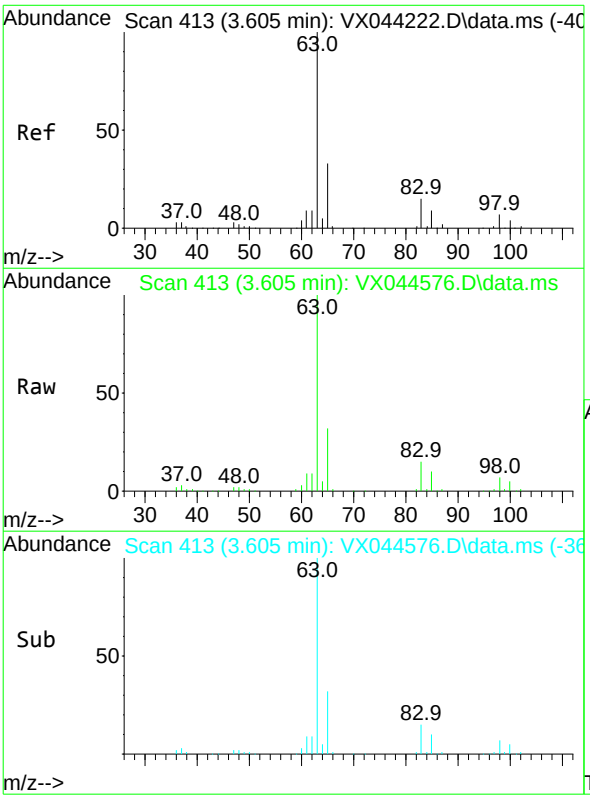
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

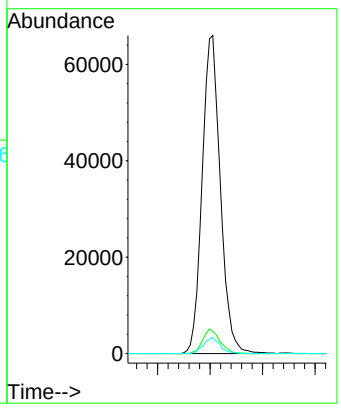


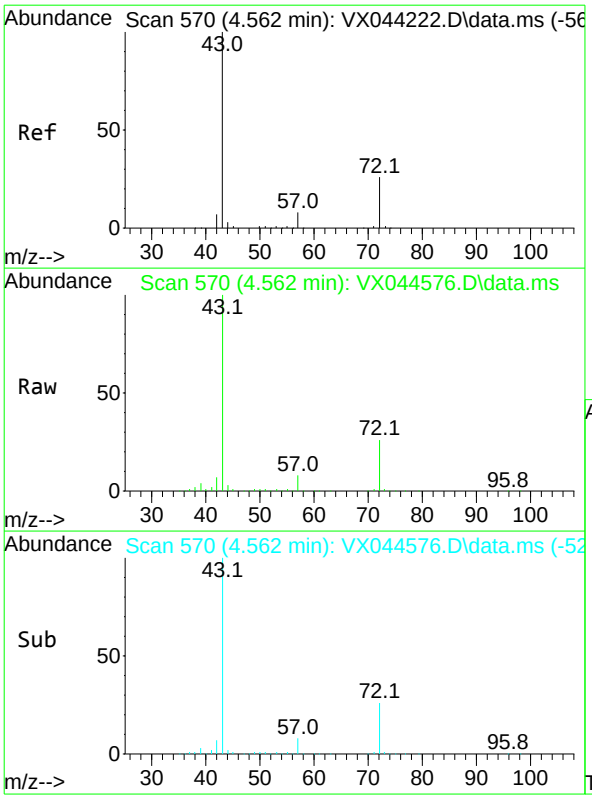


#24
1,1-Dichloroethane
Concen: 48.111 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 63 Resp: 158925

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.6	10.8
100	5.1	2.1	6.3





#25
2-Butanone
Concen: 217.555 ug/l
RT: 4.562 min Scan# 57
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 43 Resp: 311632

Ion	Ratio	Lower	Upper
43	100		
72	26.1	20.2	30.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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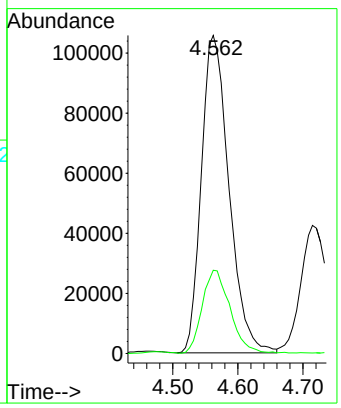
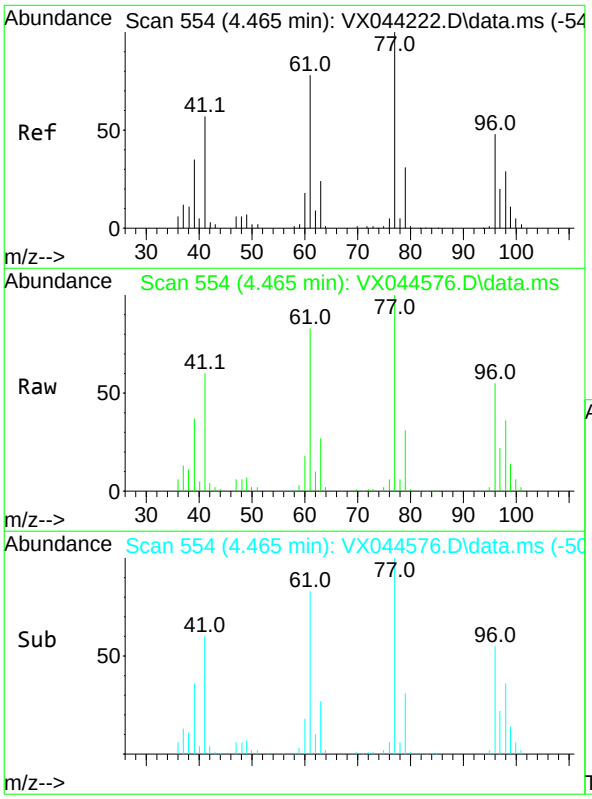
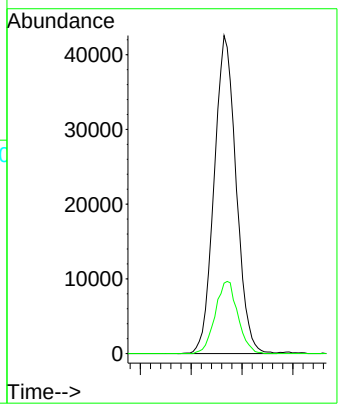


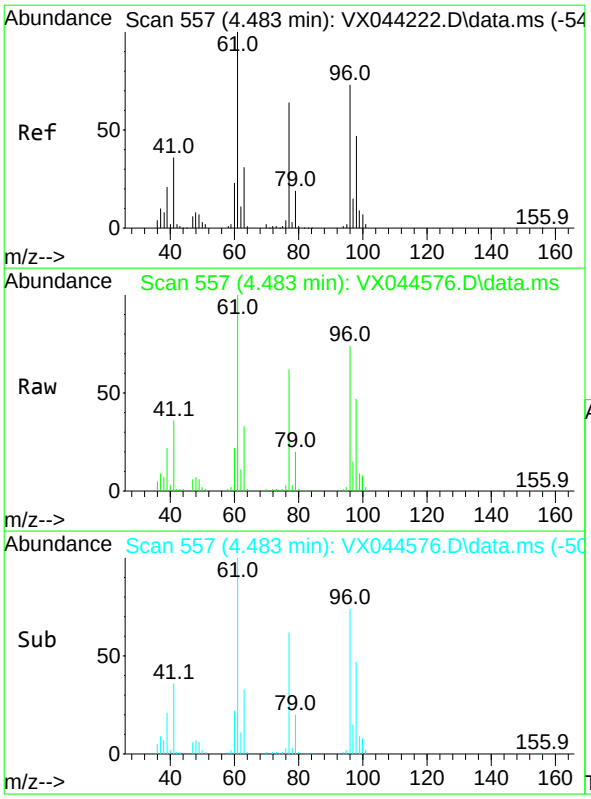


#26
2,2-Dichloropropane
Concen: 47.668 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 77 Resp: 127921

Ion	Ratio	Lower	Upper
77	100		
97	23.2	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 47.140 ug/l
RT: 4.483 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 96 Resp: 100532

Ion	Ratio	Lower	Upper
96	100		
61	141.8	0.0	299.0
98	65.1	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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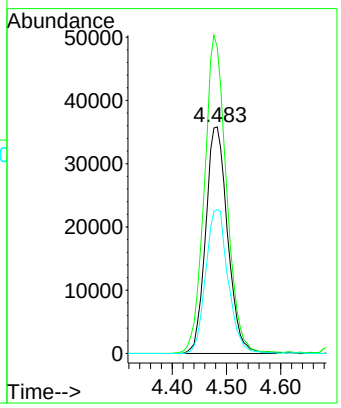
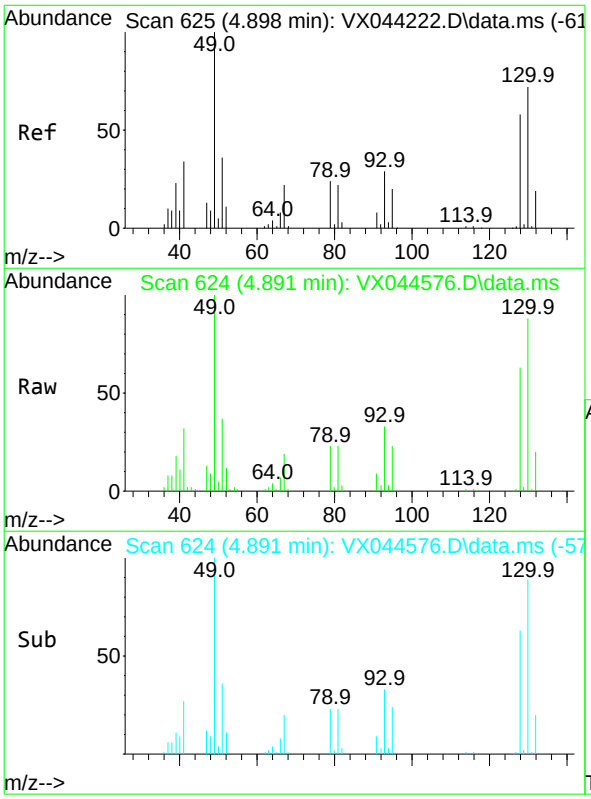
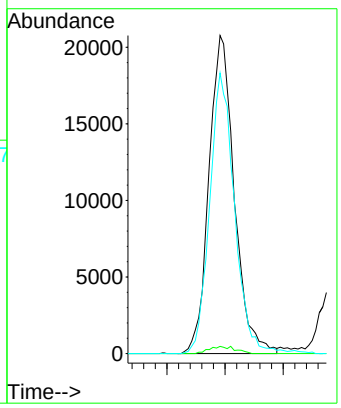


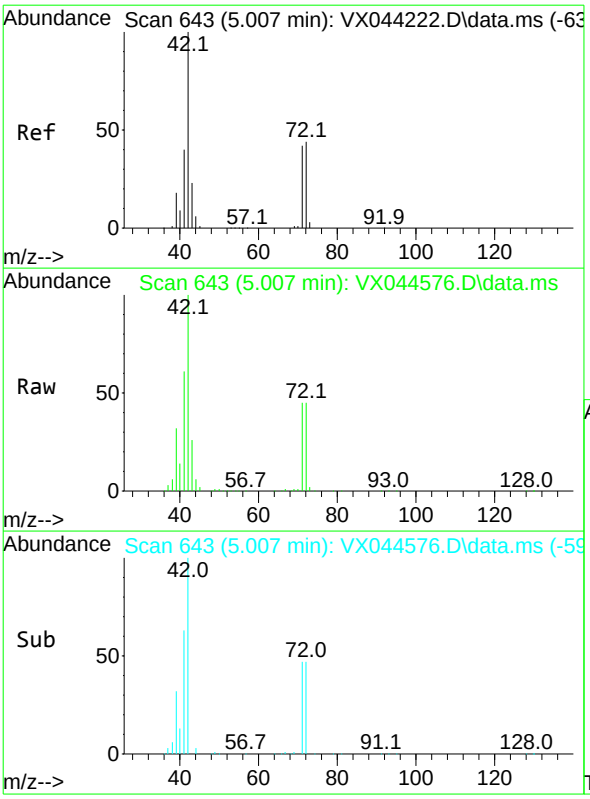


#28
Bromochloromethane
Concen: 38.824 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 49 Resp: 62889

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	86.2	62.1	93.1





#29
Tetrahydrofuran
Concen: 220.552 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 202782

Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.0	55.6
71	43.0	33.6	50.4

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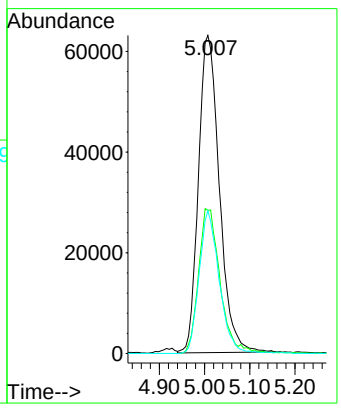
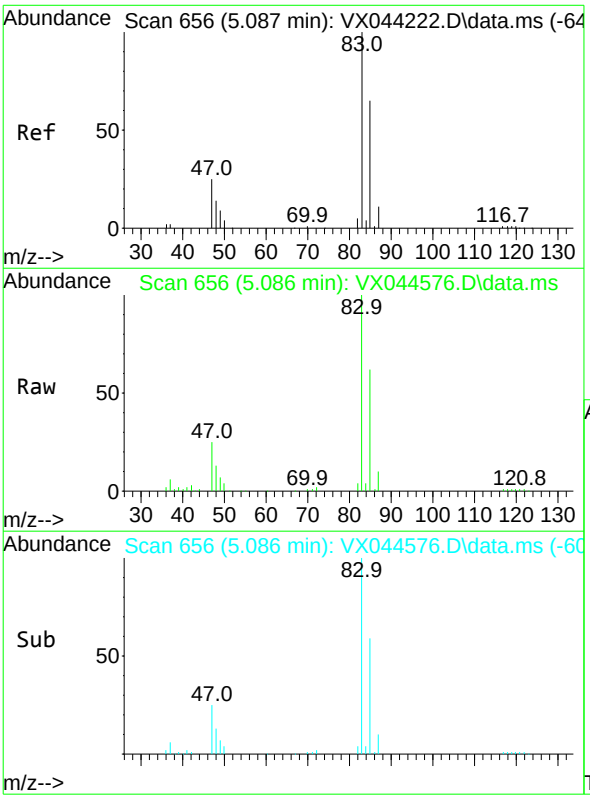
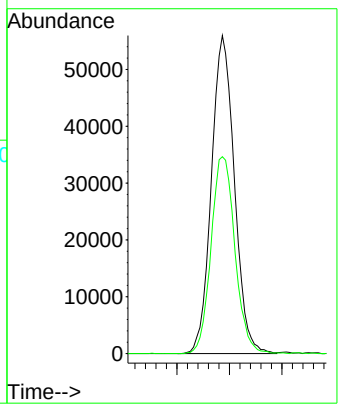


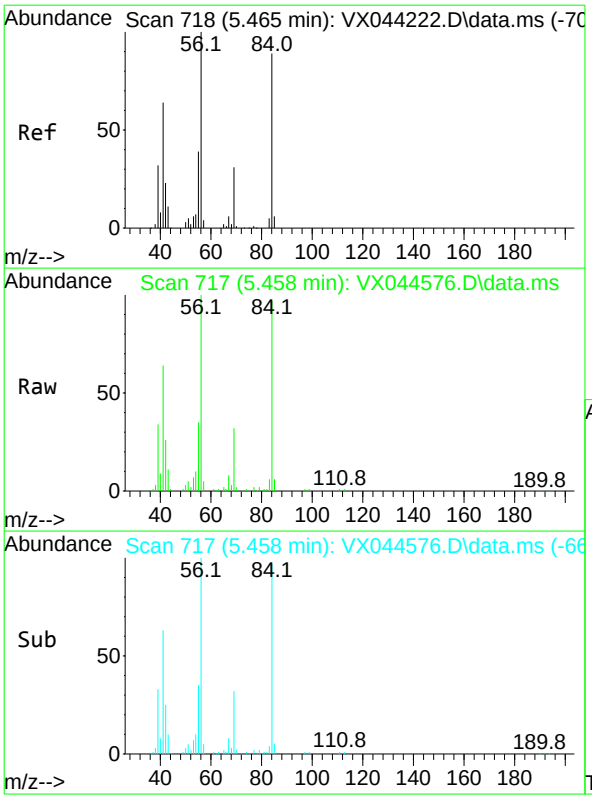


#30
Chloroform
Concen: 45.865 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 83 Resp: 170222

Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.6	77.4





#31
Cyclohexane
Concen: 47.576 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 56 Resp: 126907

Ion	Ratio	Lower	Upper
56	100		
69	32.4	24.7	37.1
84	94.1	71.0	106.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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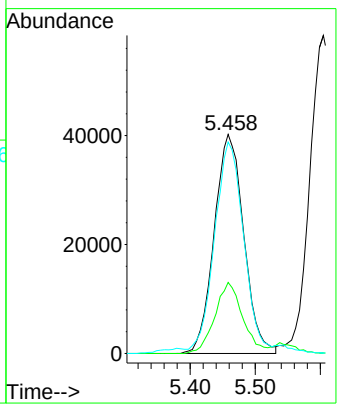
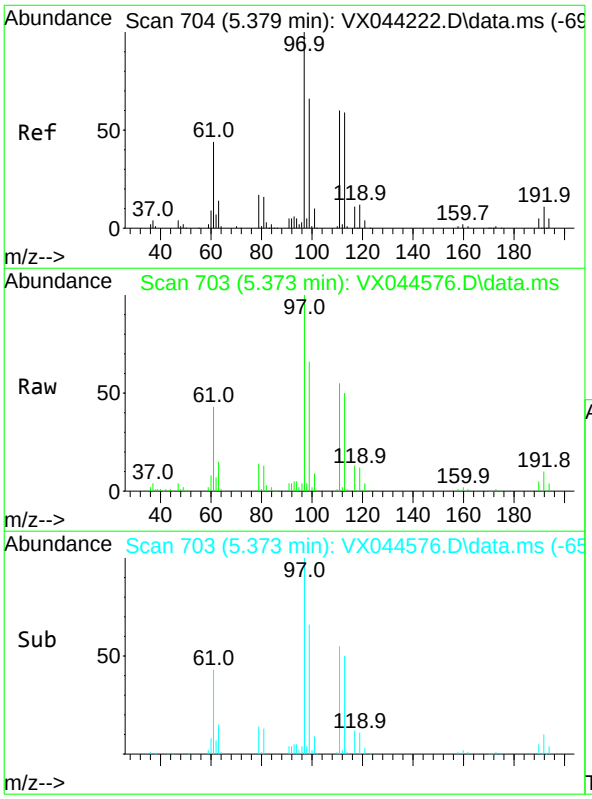
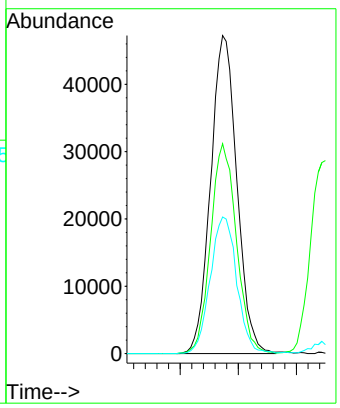


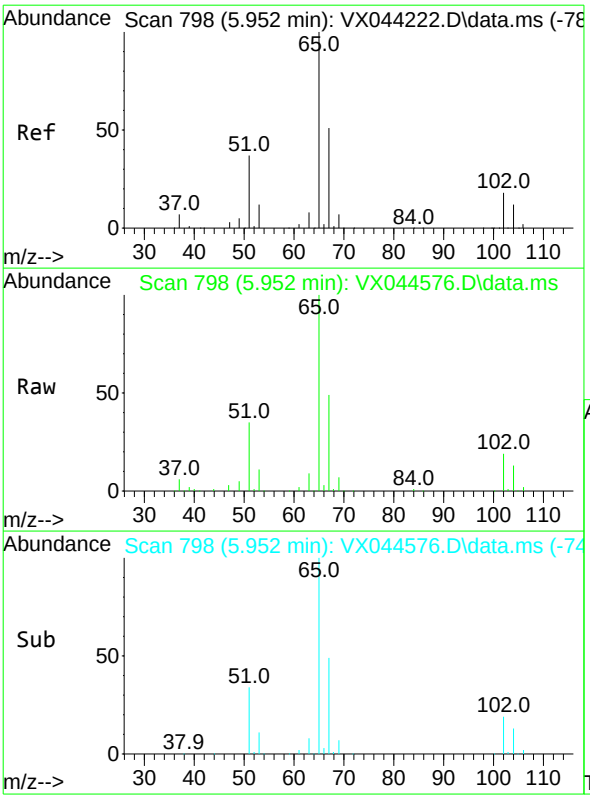


#32
1,1,1-Trichloroethane
Concen: 48.137 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 97 Resp: 148300

Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.8	76.2
61	43.5	35.2	52.8





#33
1,2-Dichloroethane-d4
Concen: 39.464 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 65 Resp: 97535

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	101.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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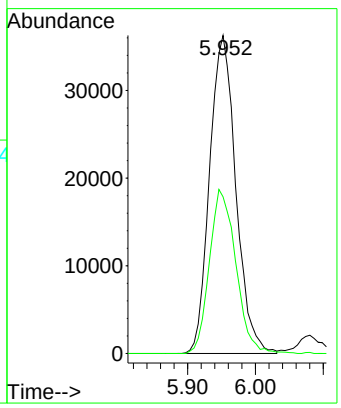
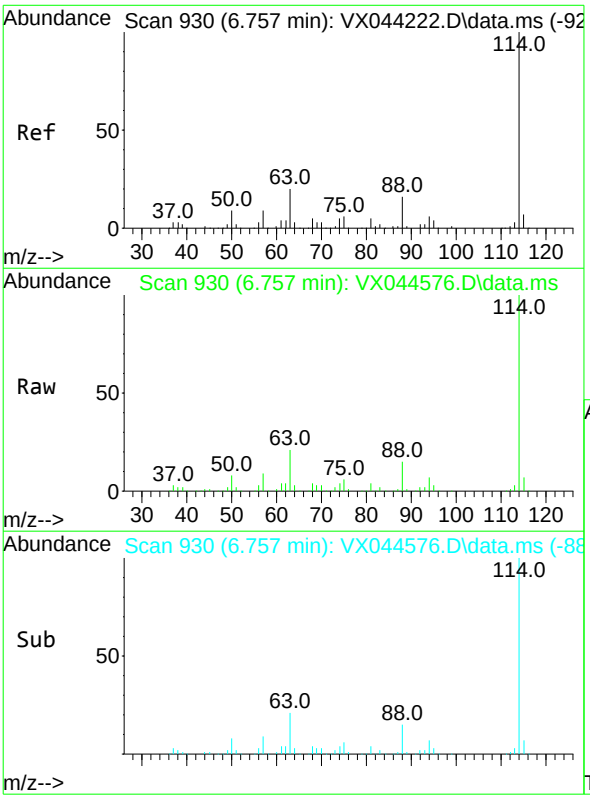
Supervised By :Mahesh Dadoda 01/02/2025

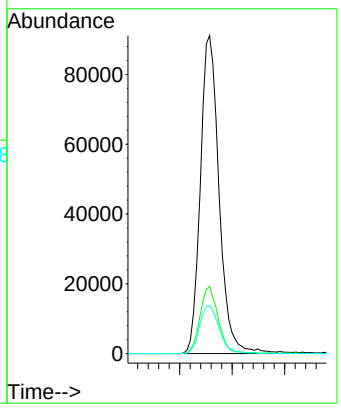


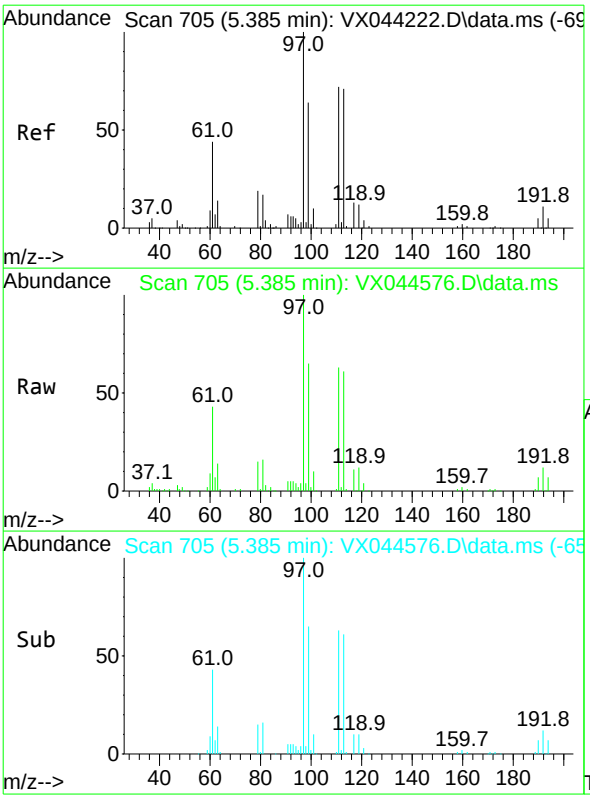


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:114 Resp: 225685

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.6
88	15.0	0.0	31.8





#35
Dibromofluoromethane
Concen: 49.856 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:113 Resp: 77928

Ion	Ratio	Lower	Upper
113	100		
111	104.9	80.4	120.6
192	19.3	13.3	19.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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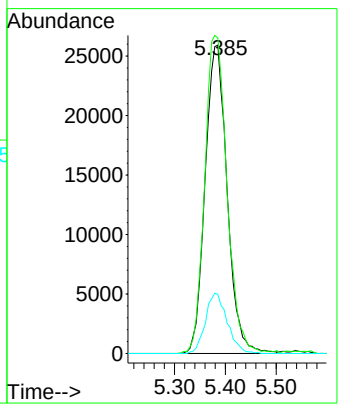
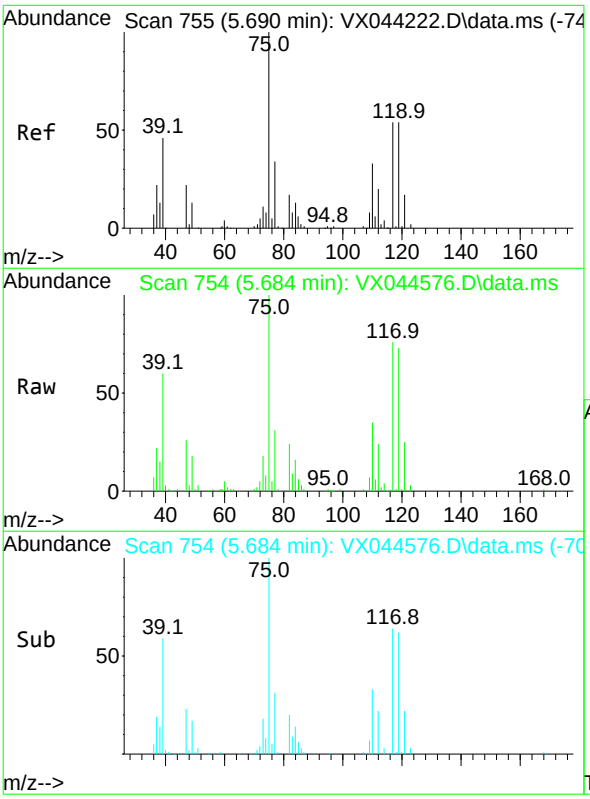
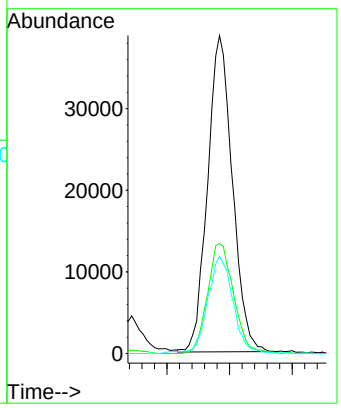


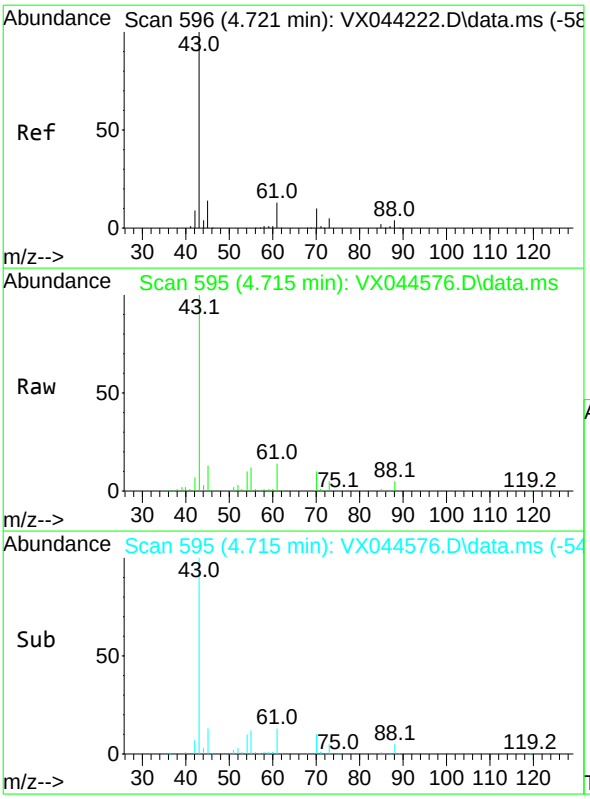


#36
1,1-Dichloropropene
Concen: 52.798 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 75 Resp: 106678

Ion	Ratio	Lower	Upper
75	100		
110	36.6	17.3	51.7
77	31.5	25.4	38.0





#37
Ethyl Acetate
Concen: 50.993 ug/l
RT: 4.715 min Scan# 59
Delta R.T. -0.006 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 43 Resp: 127358

Ion	Ratio	Lower	Upper
43	100		
61	13.4	9.8	14.8
70	10.0	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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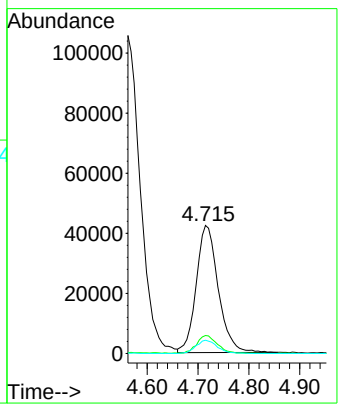
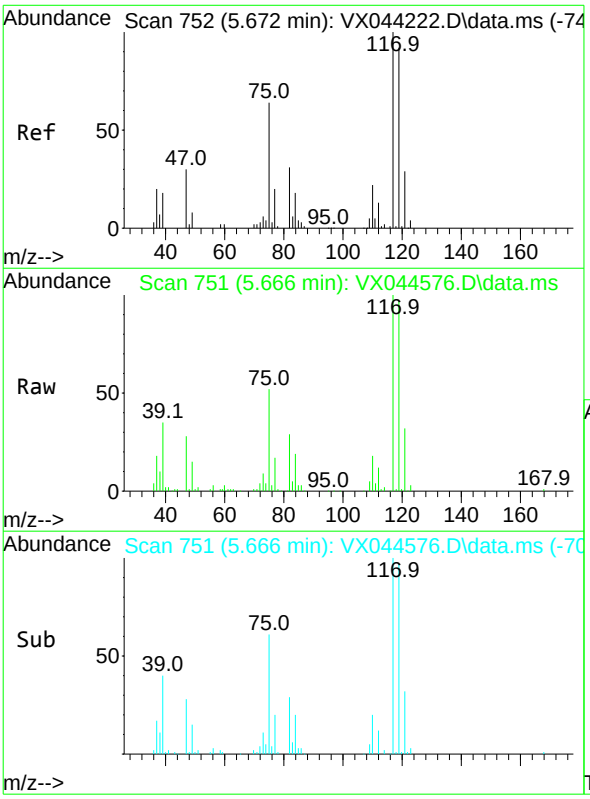
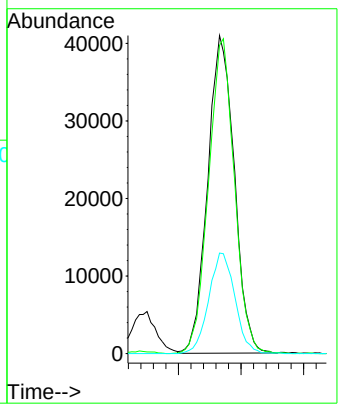


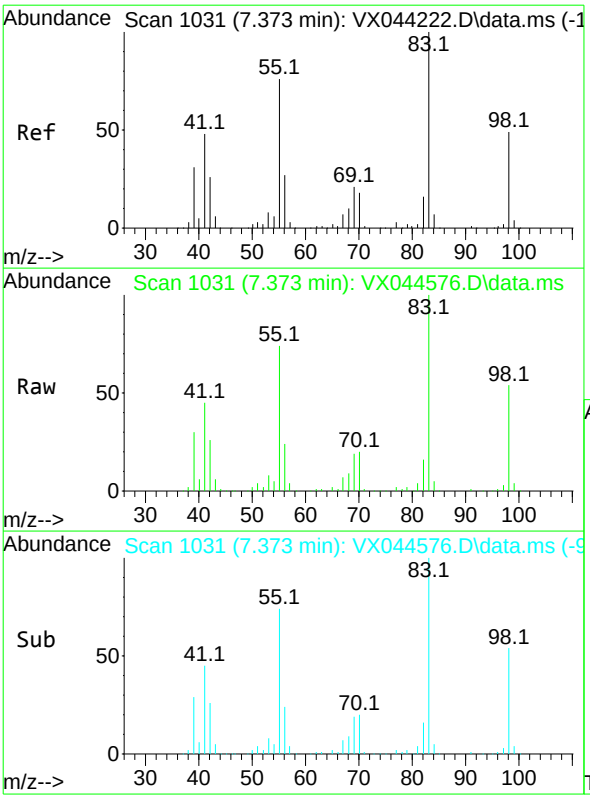


#38
Carbon Tetrachloride
Concen: 55.628 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:117 Resp: 121006

Ion	Ratio	Lower	Upper
117	100		
119	96.9	74.2	111.4
121	31.7	23.0	34.6





#39
Methylcyclohexane
Concen: 58.893 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 83 Resp: 142252

Ion	Ratio	Lower	Upper
83	100		
55	74.5	60.7	91.1
98	53.8	38.9	58.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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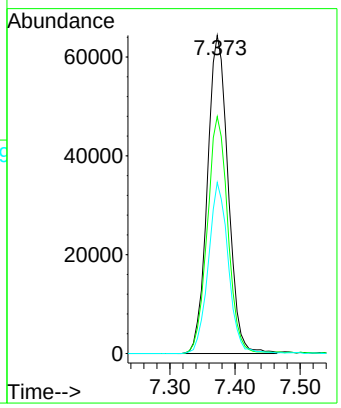
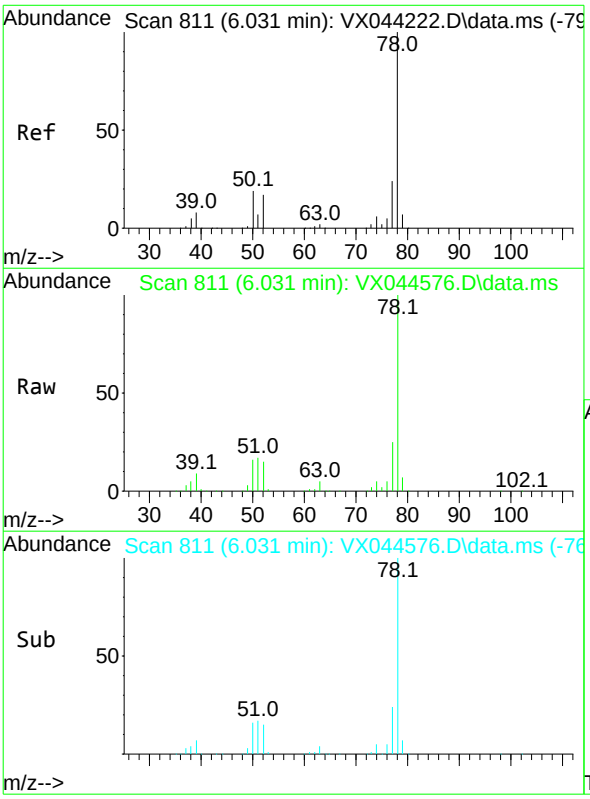
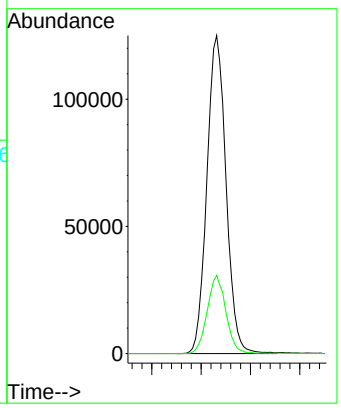


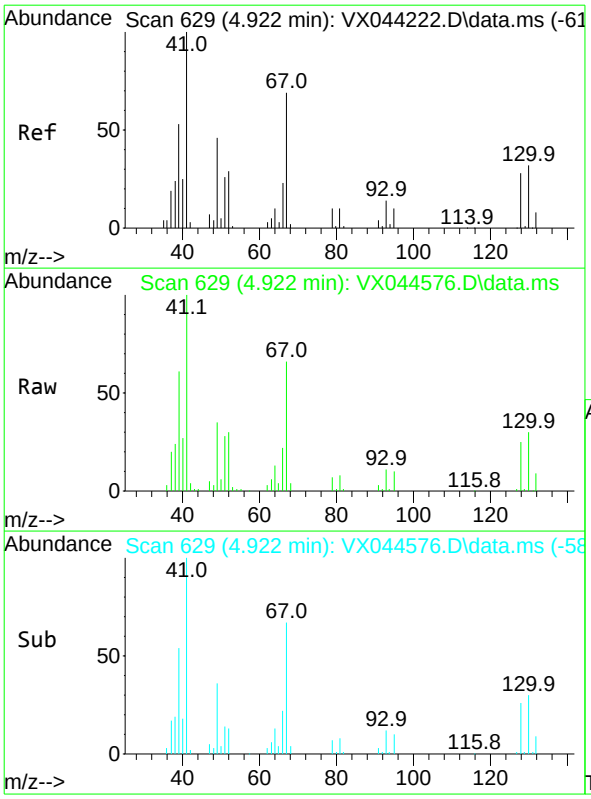


#40
Benzene
Concen: 54.939 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 78 Resp: 337023

Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.3	28.9





#41
Methacrylonitrile
Concen: 51.723 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 41 Resp: 68596

Ion	Ratio	Lower	Upper
41	100		
39	56.8	44.2	66.4
67	70.8	57.2	85.8
52	31.2	24.6	37.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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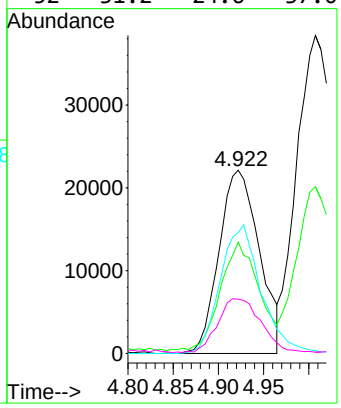
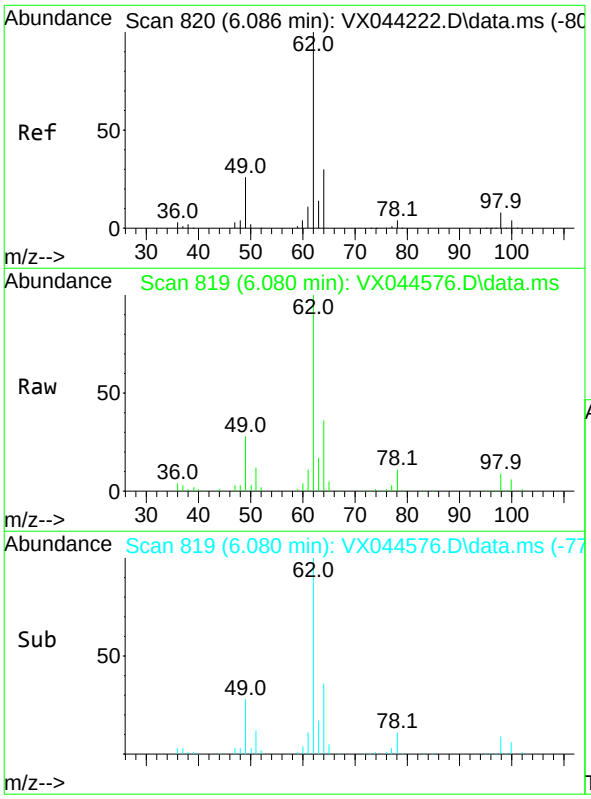
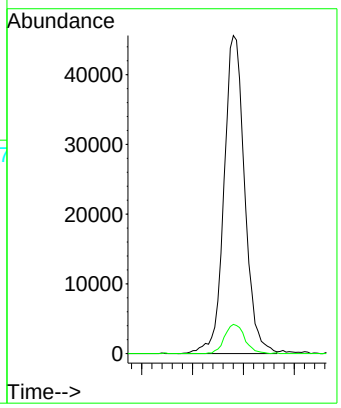


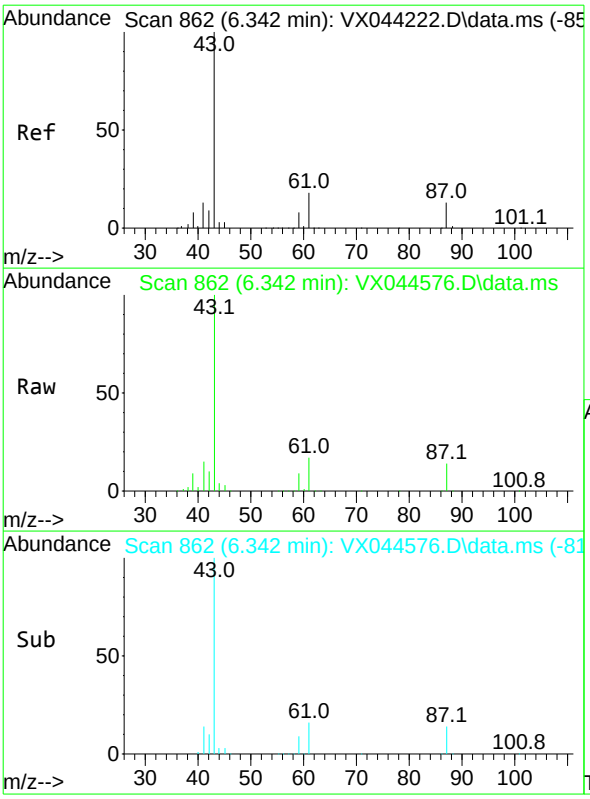


#42
1,2-Dichloroethane
Concen: 50.875 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 62 Resp: 128562

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	15.8





#43
Isopropyl Acetate
Concen: 51.693 ug/l
RT: 6.342 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 43 Resp: 201793

Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.2	21.2
87	13.5	10.2	15.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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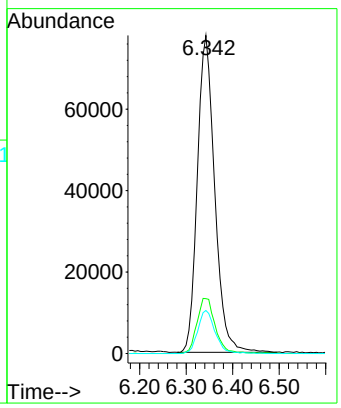
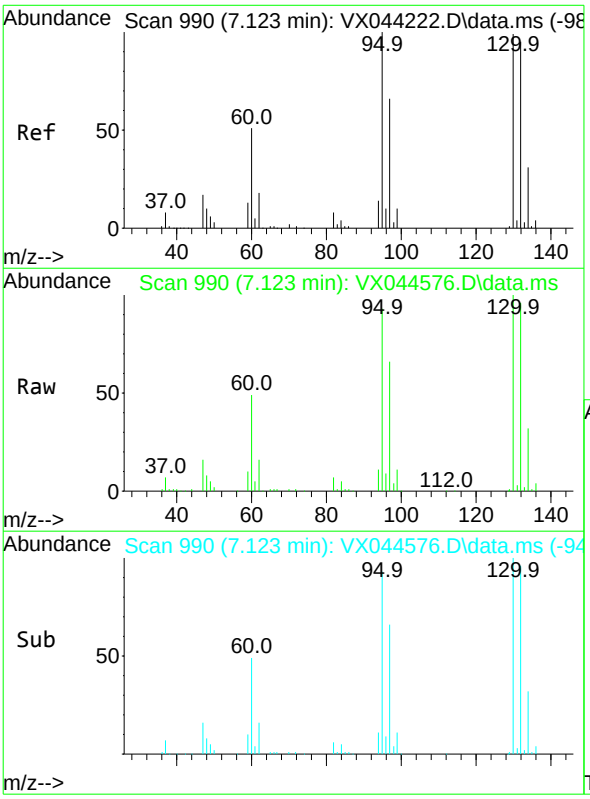
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

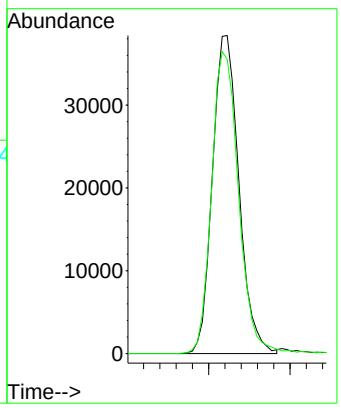


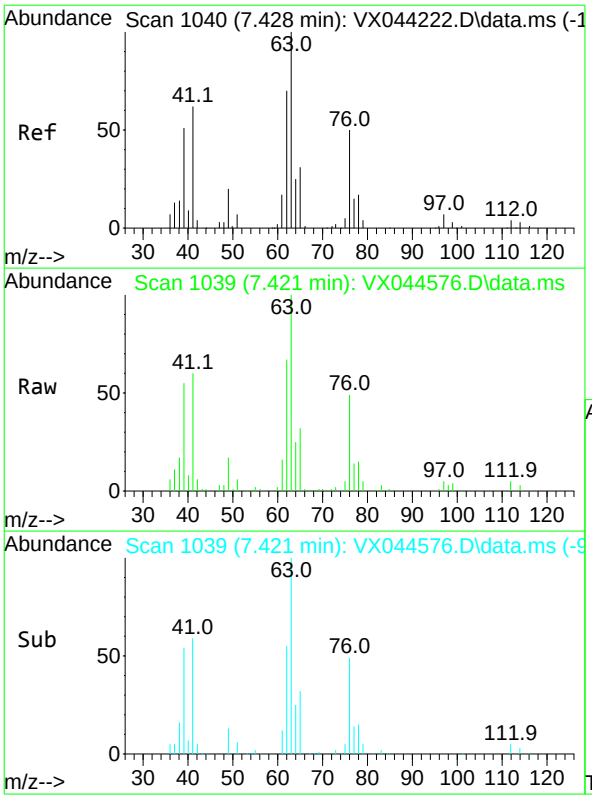


#44
Trichloroethene
Concen: 56.695 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:130 Resp: 86732

Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	201.4





#45
1,2-Dichloropropane
Concen: 51.964 ug/l
RT: 7.421 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 63 Resp: 81441

Ion	Ratio	Lower	Upper
63	100		
65	32.4	24.6	37.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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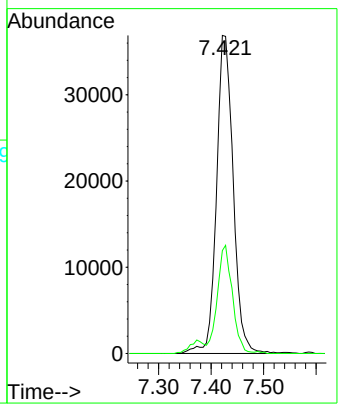
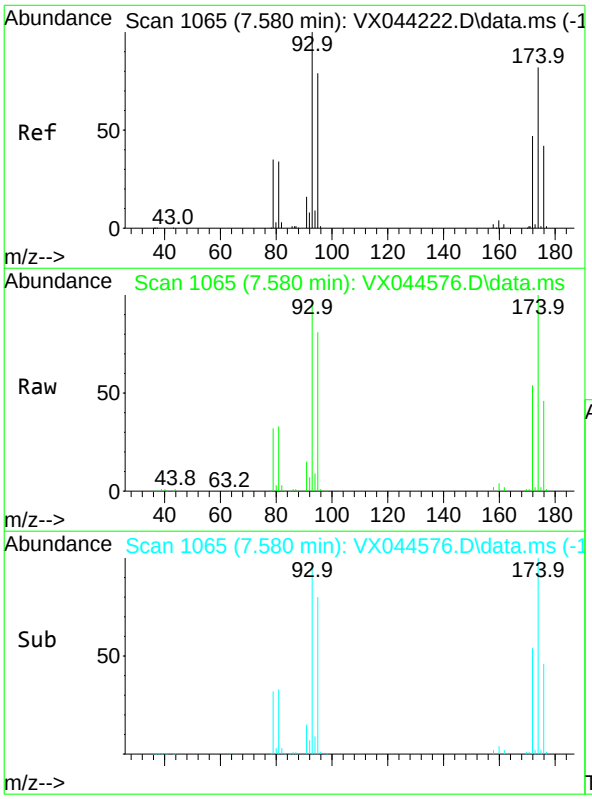
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

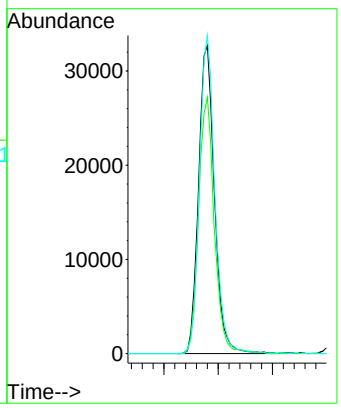


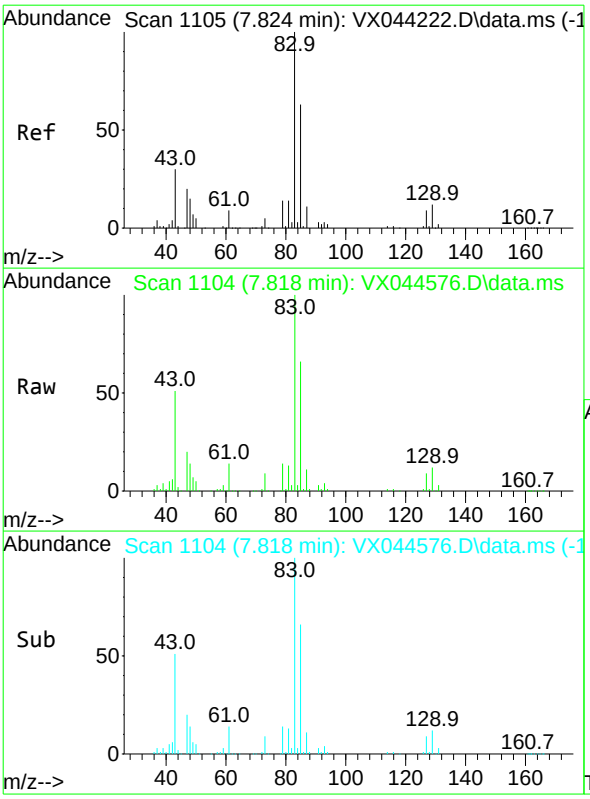


#46
Dibromomethane
Concen: 54.828 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 93 Resp: 66665

Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.4	98.2
174	99.7	67.9	101.9





#47
Bromodichloromethane
Concen: 55.991 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 83 Resp: 117575

Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.6	75.8
127	9.3	7.3	10.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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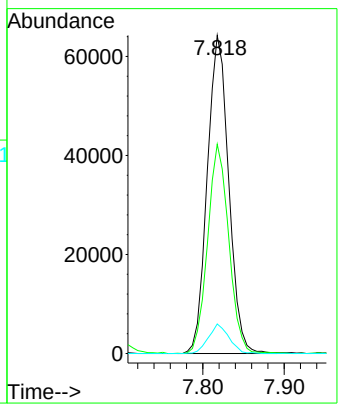
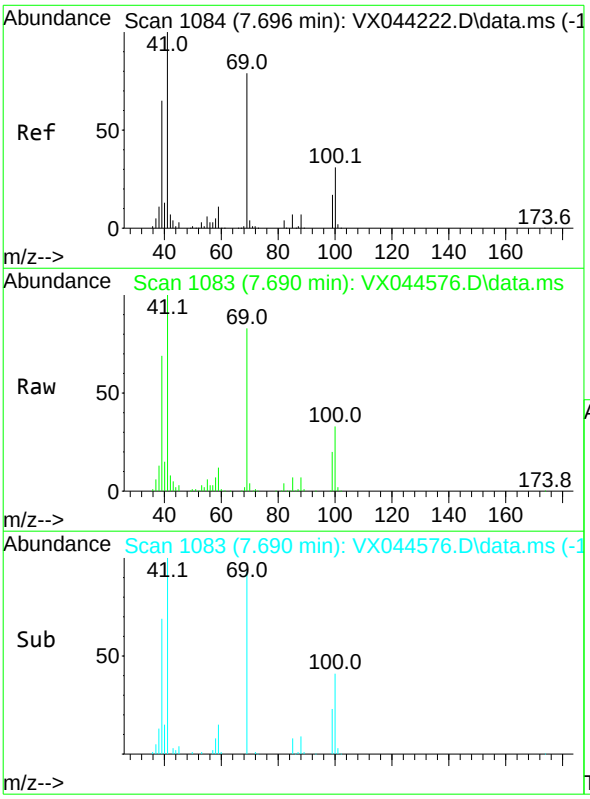
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

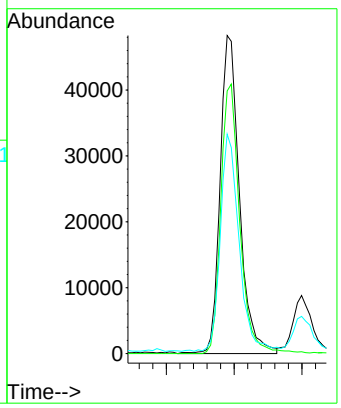


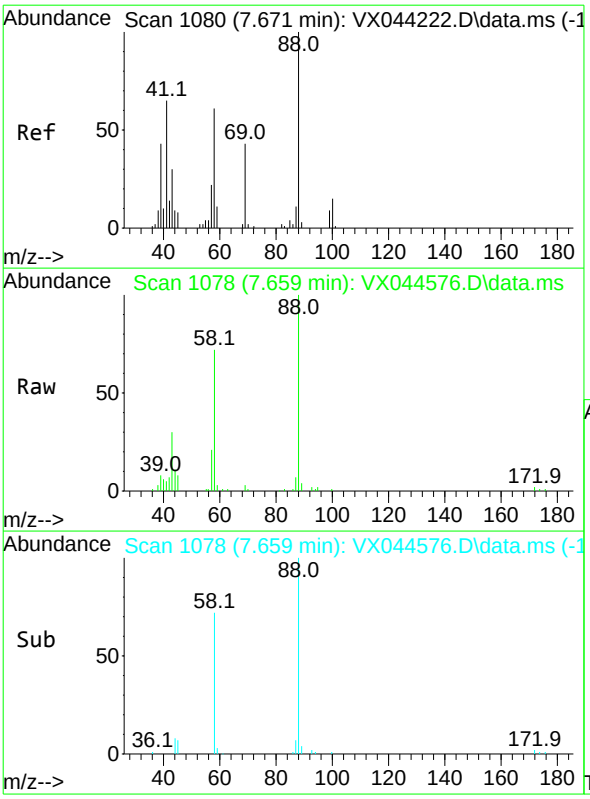


#48
Methyl methacrylate
Concen: 50.435 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 41 Resp: 95572

Ion	Ratio	Lower	Upper
41	100		
69	83.4	62.4	93.6
39	66.0	53.3	79.9





#49
1,4-Dioxane
Concen: 872.476 ug/l
RT: 7.659 min Scan# 10
Delta R.T. -0.012 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 88 Resp: 27411

Ion	Ratio	Lower	Upper
88	100		
43	46.2	27.1	40.7#
58	75.1	41.0	61.4#

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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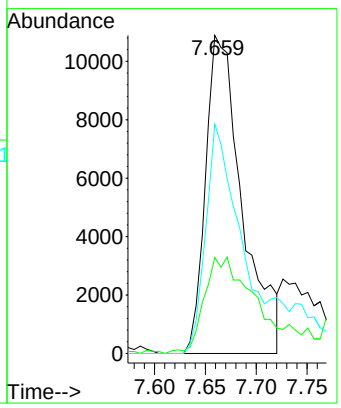
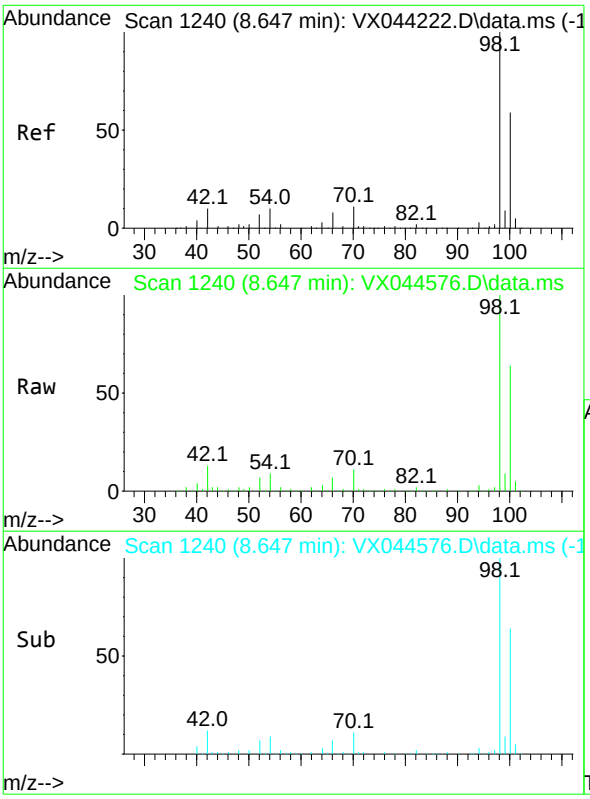
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

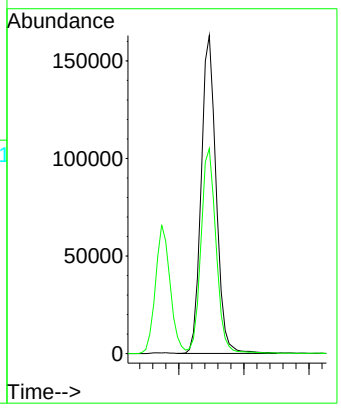


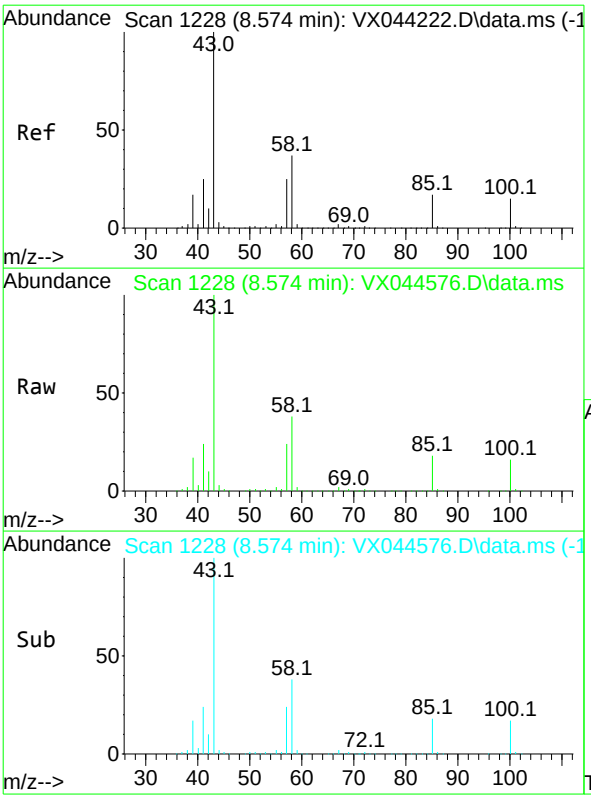


#50
Toluene-d8
Concen: 49.317 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 98 Resp: 260069

Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.5	77.3





#51
4-Methyl-2-Pentanone
Concen: 255.503 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 43 Resp: 641305

Ion	Ratio	Lower	Upper
43	100		
58	37.8	29.4	44.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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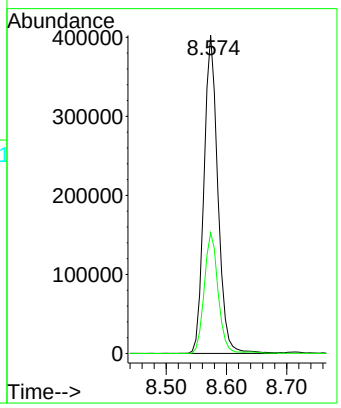
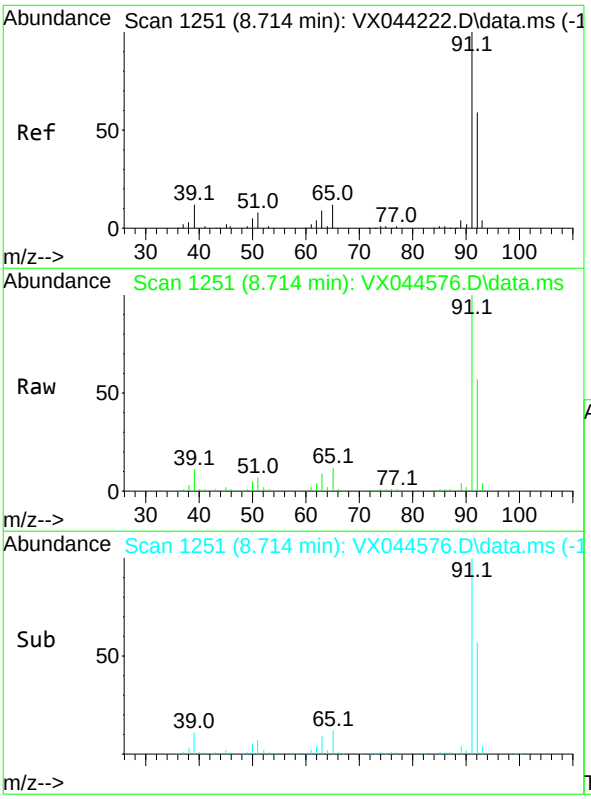
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

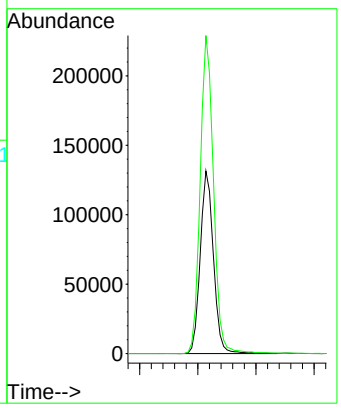


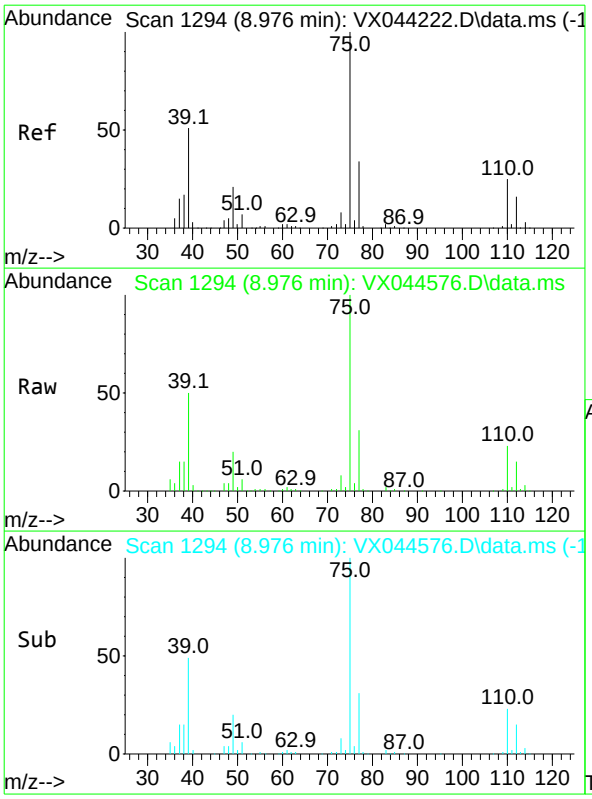


#52
Toluene
Concen: 53.794 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 92 Resp: 207232

Ion	Ratio	Lower	Upper
92	100		
91	175.6	137.0	205.6





#53
t-1,3-Dichloropropene
Concen: 52.328 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 75 Resp: 118338

Ion	Ratio	Lower	Upper
75	100		
77	31.3	27.2	40.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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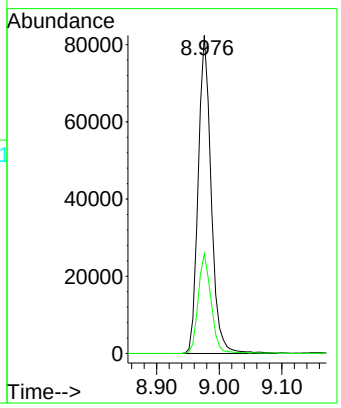
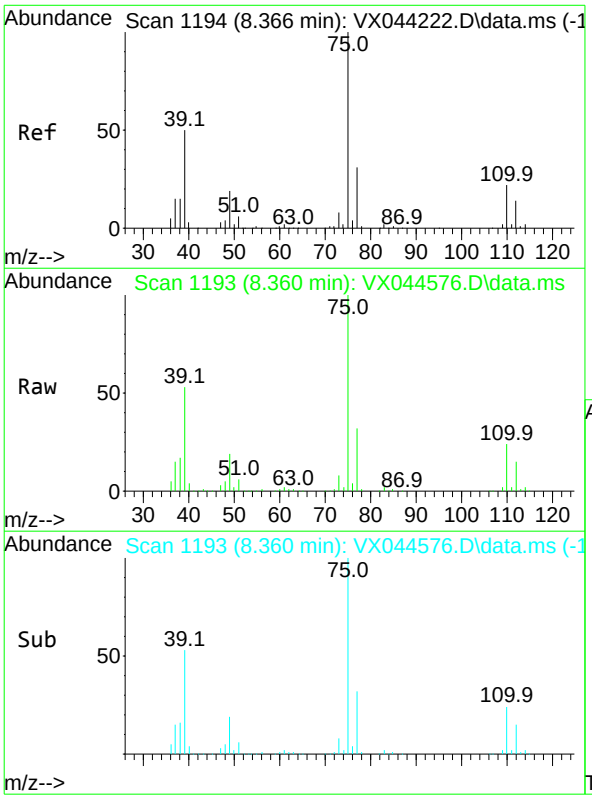
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

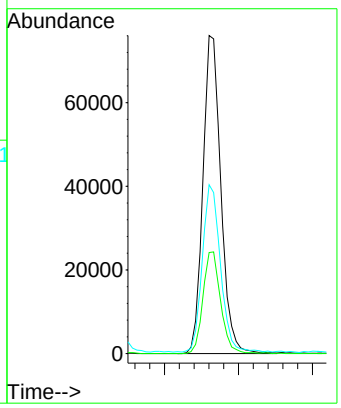


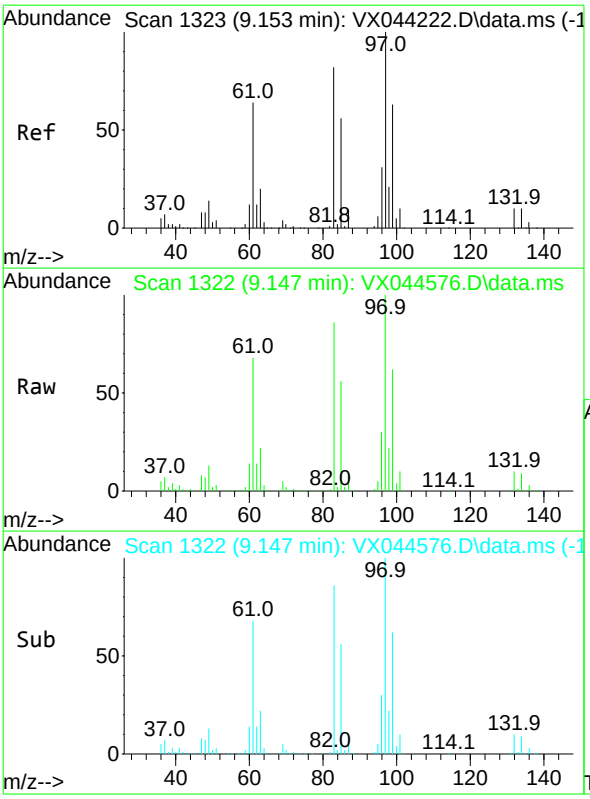


#54
cis-1,3-Dichloropropene
Concen: 56.041 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 75 Resp: 128135

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.7	37.1
39	52.5	40.3	60.5





#55
1,1,2-Trichloroethane
Concen: 55.514 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 97 Resp: 84959

Ion	Ratio	Lower	Upper
97	100		
83	86.1	65.3	97.9
85	55.5	44.6	67.0
99	61.5	50.2	75.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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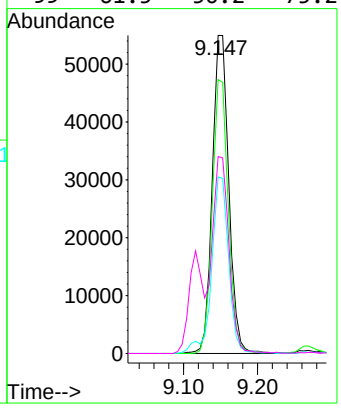
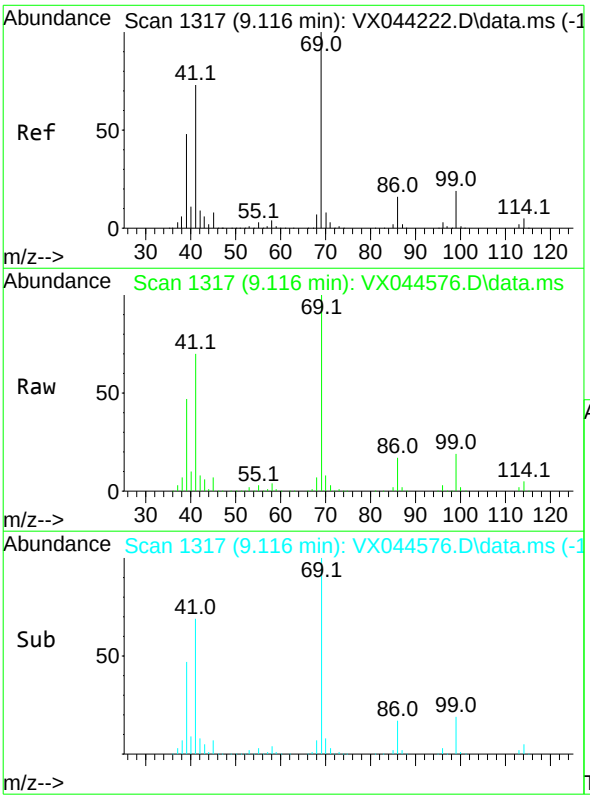
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

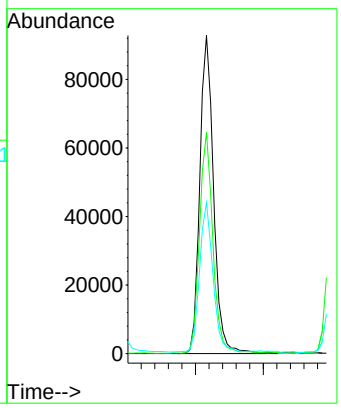


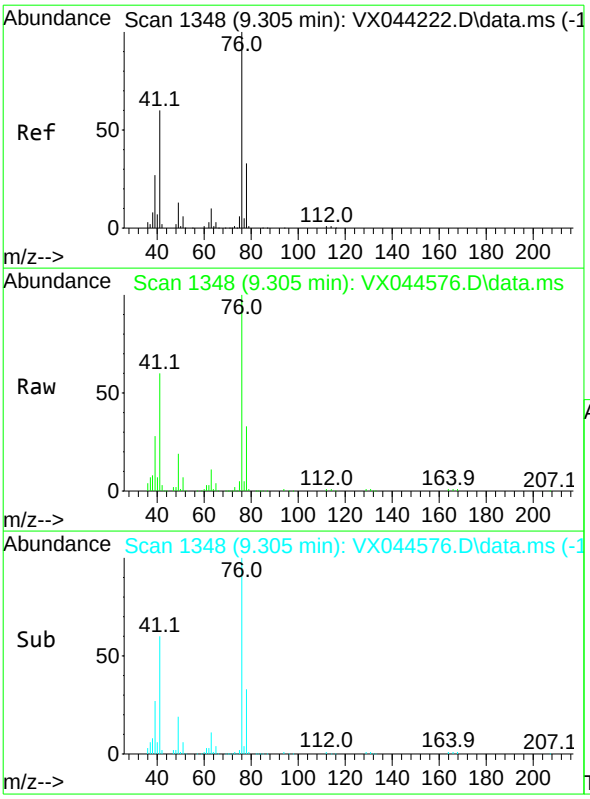


#56
Ethyl methacrylate
Concen: 54.188 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 69 Resp: 130921

Ion	Ratio	Lower	Upper
69	100		
41	67.6	56.6	85.0
39	45.6	37.4	56.0





#57
1,3-Dichloropropane
Concen: 52.578 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 76 Resp: 140059

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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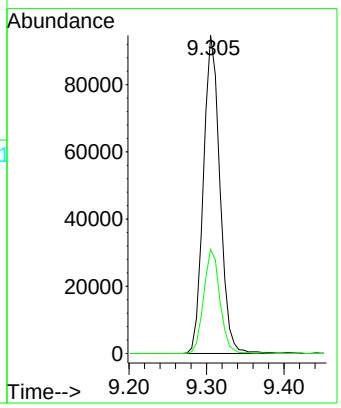
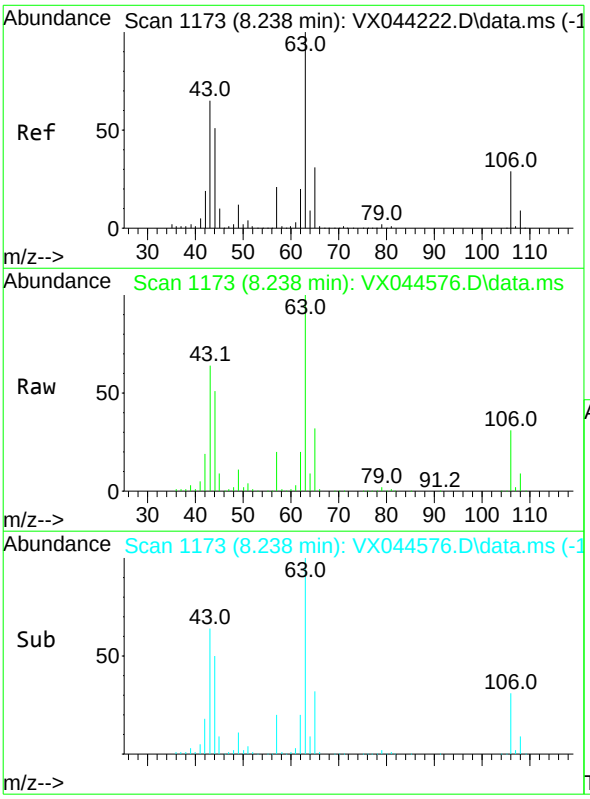
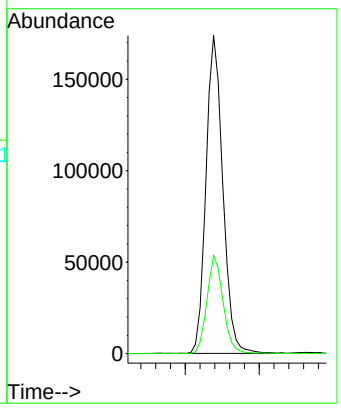


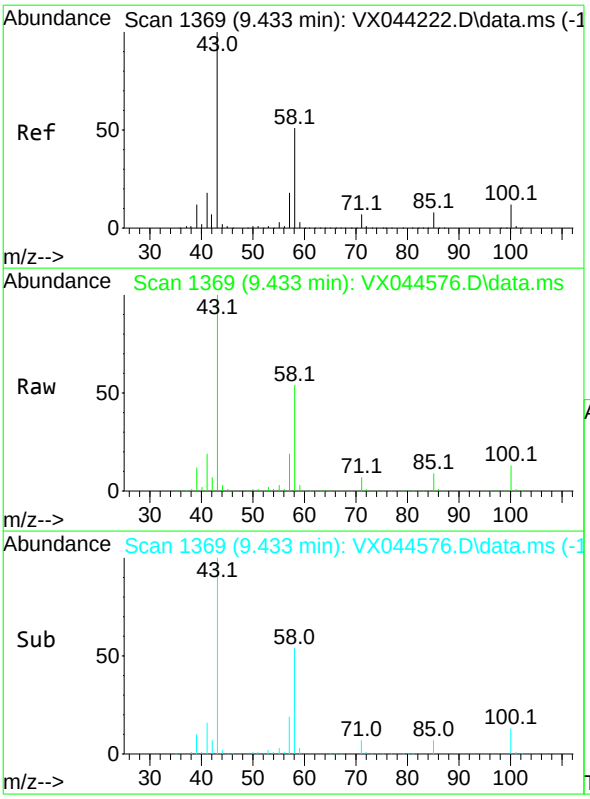


#58
2-Chloroethyl Vinyl ether
Concen: 224.961 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 63 Resp: 274133

Ion	Ratio	Lower	Upper
63	100		
106	29.7	22.8	34.2





#59
2-Hexanone
Concen: 261.415 ug/l
RT: 9.433 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 43 Resp: 474933

Ion	Ratio	Lower	Upper
43	100		
58	52.7	25.7	77.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 01/02/2025
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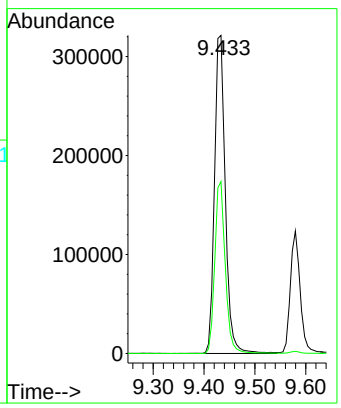
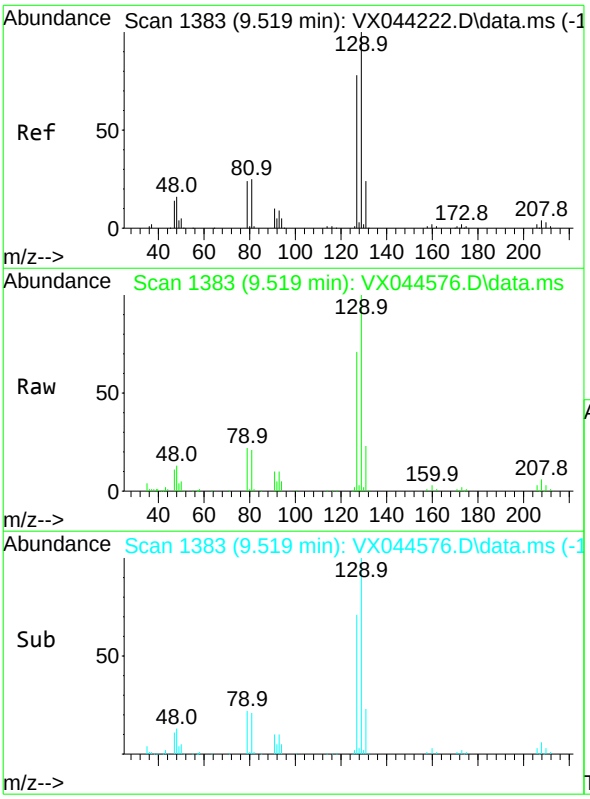
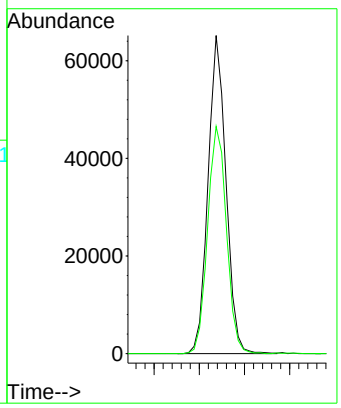


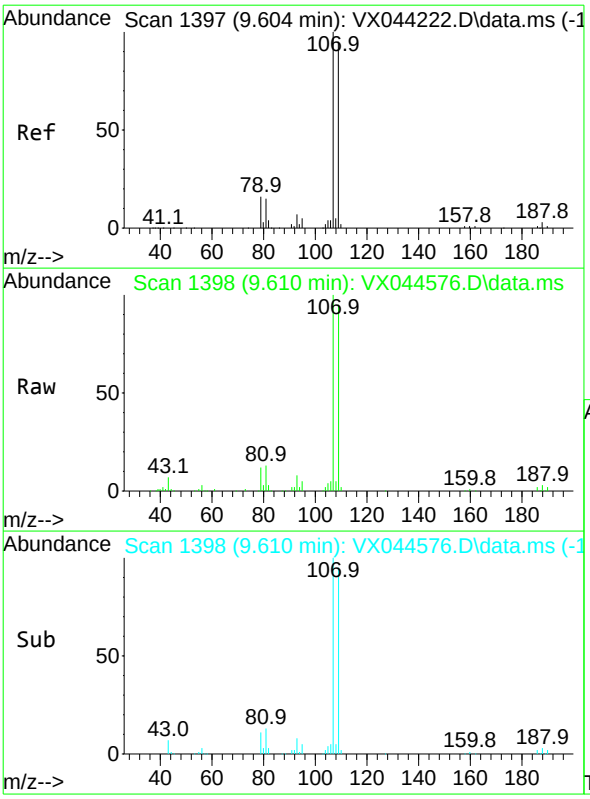


#60
Dibromochloromethane
Concen: 54.879 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:129 Resp: 89535

Ion	Ratio	Lower	Upper
129	100		
127	75.1	38.5	115.3





#61
1,2-Dibromoethane
Concen: 57.798 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:107 Resp: 90037

Ion	Ratio	Lower	Upper
107	100		
109	93.4	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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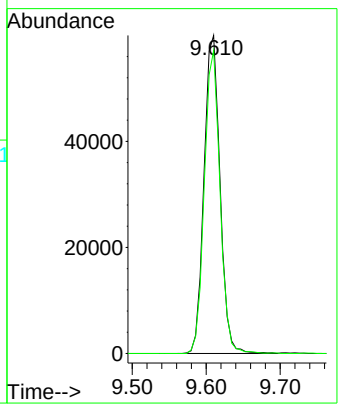
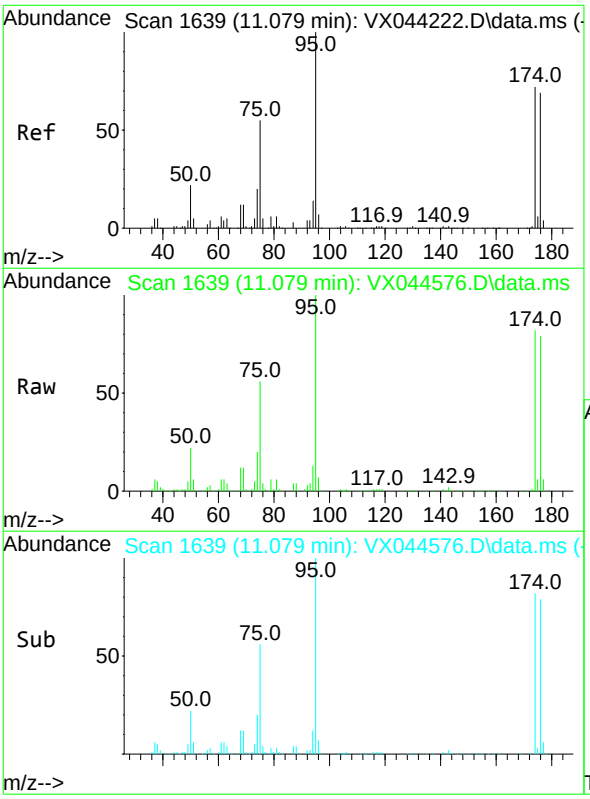
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

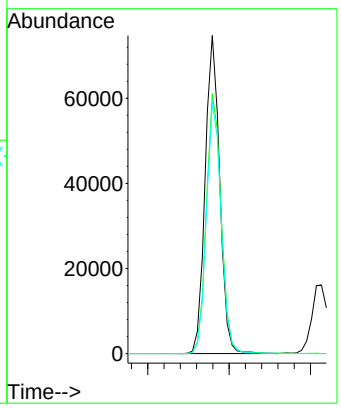


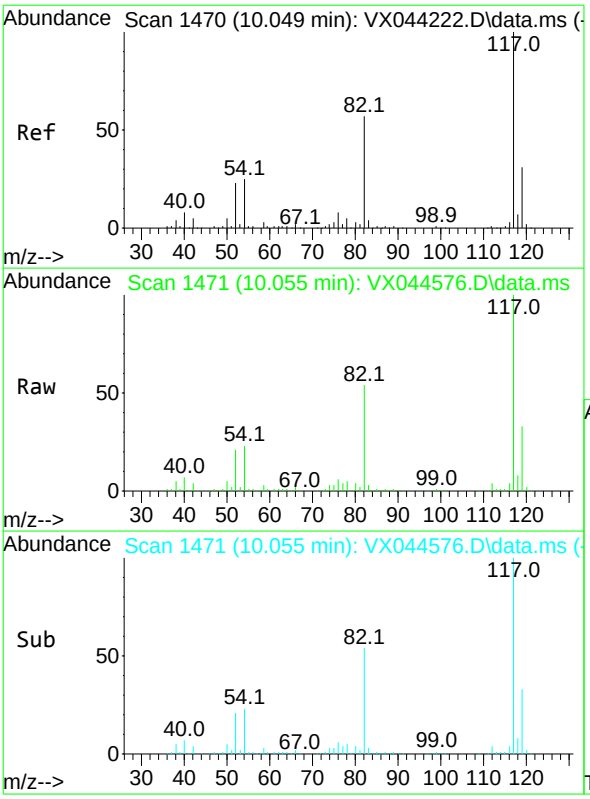


#62
4-Bromofluorobenzene
Concen: 50.269 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 95 Resp: 92627

Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	145.8
176	80.2	0.0	137.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:117 Resp: 198399

Ion	Ratio	Lower	Upper
117	100		
82	54.3	45.8	68.8
119	33.0	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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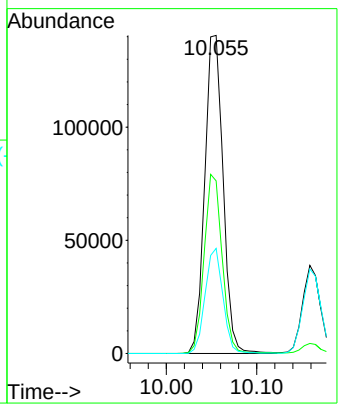
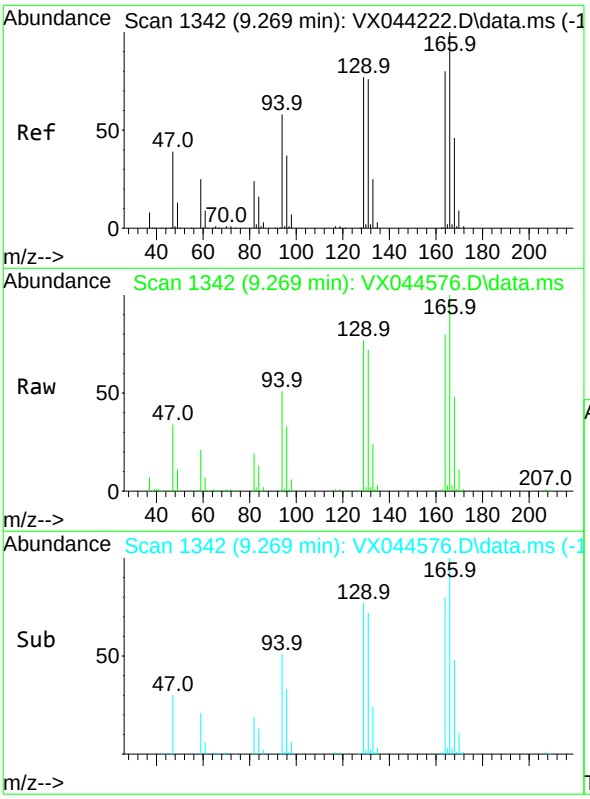
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

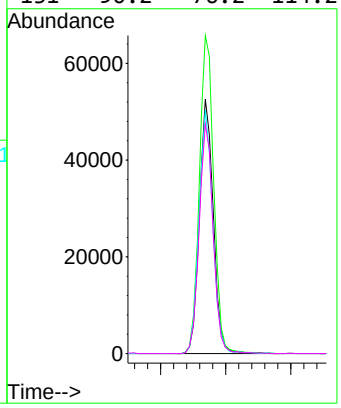


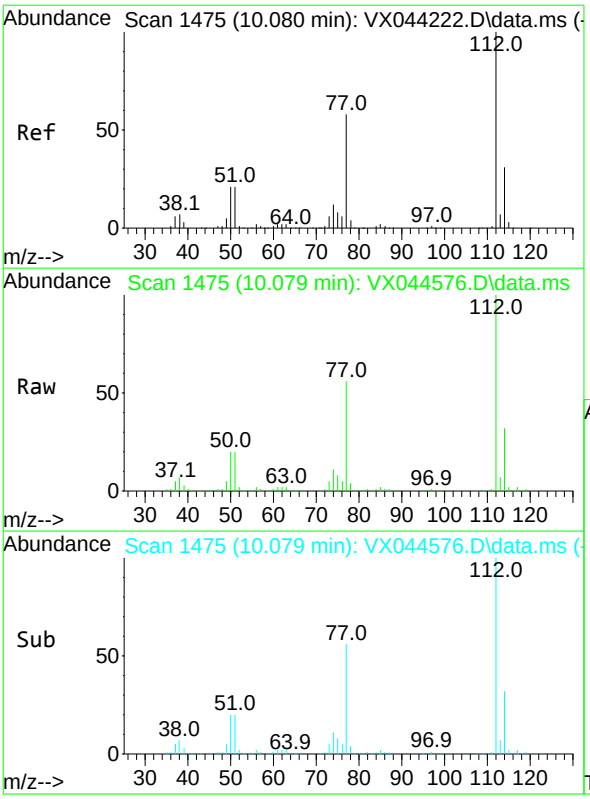


#64
Tetrachloroethene
Concen: 59.260 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:164 Resp: 78034

Ion	Ratio	Lower	Upper
164	100		
166	125.0	100.4	150.6
129	95.7	77.2	115.8
131	90.2	76.2	114.2





#65
Chlorobenzene
Concen: 55.285 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:112 Resp: 235032

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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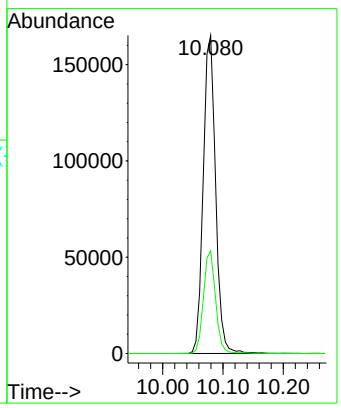
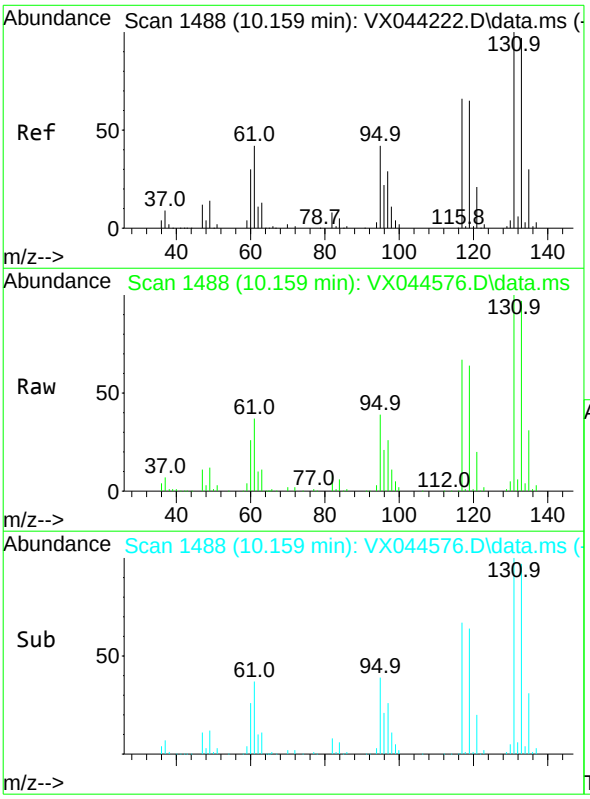
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

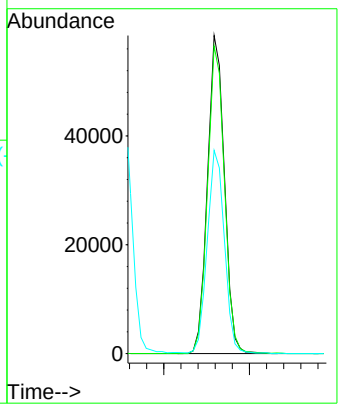


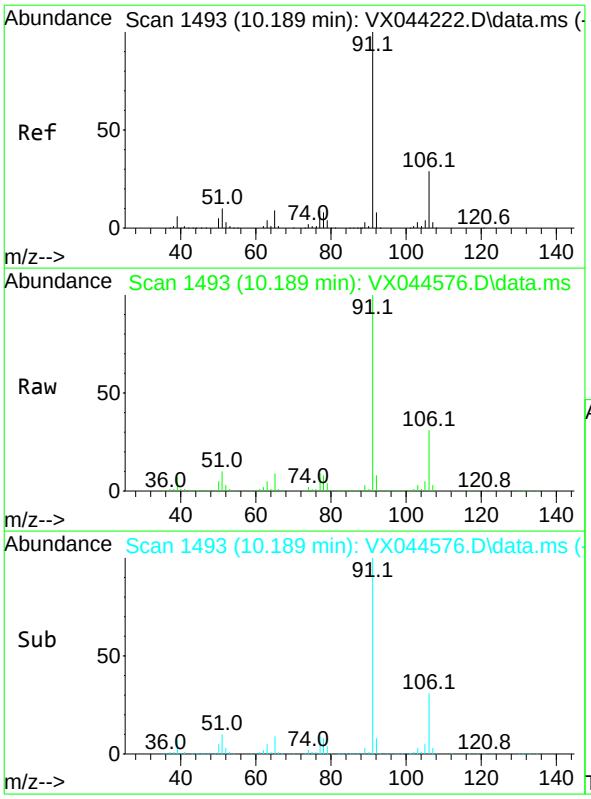


#66
1,1,1,2-Tetrachloroethane
Concen: 58.664 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:131 Resp: 80153

Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.3	141.8
119	64.9	31.6	95.0





#67
Ethyl Benzene
Concen: 54.478 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 91 Resp: 400163

Ion	Ratio	Lower	Upper
91	100		
106	30.7	23.5	35.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 01/02/2025
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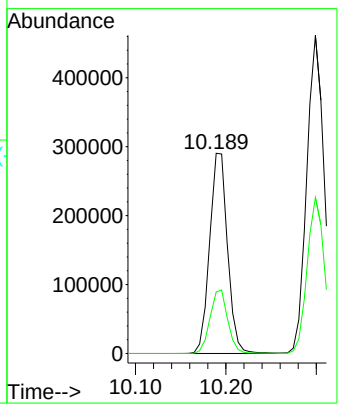
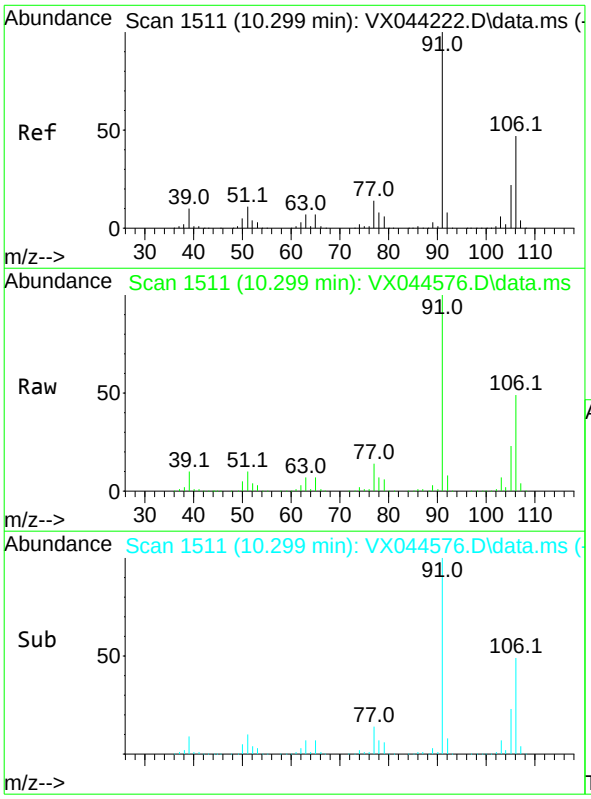
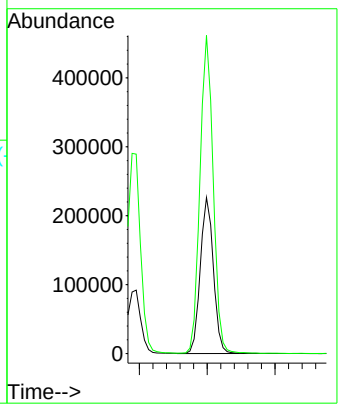


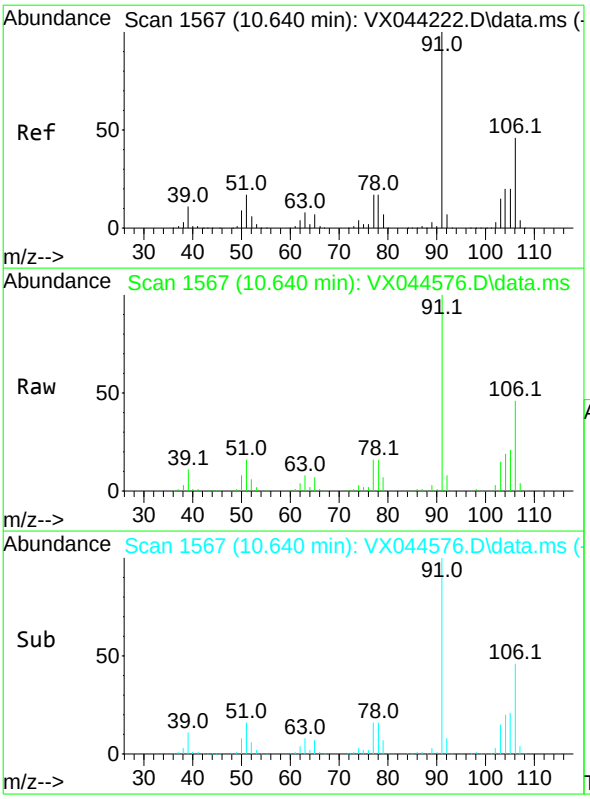


#68
m/p-Xylenes
Concen: 112.691 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:106 Resp: 303741

Ion	Ratio	Lower	Upper
106	100		
91	205.0	170.2	255.2





#69
o-Xylene
Concen: 55.227 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:106 Resp: 150613

Ion	Ratio	Lower	Upper
106	100		
91	216.7	112.3	337.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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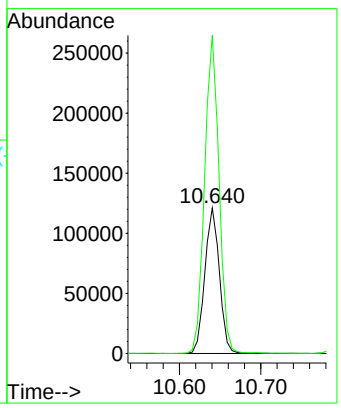
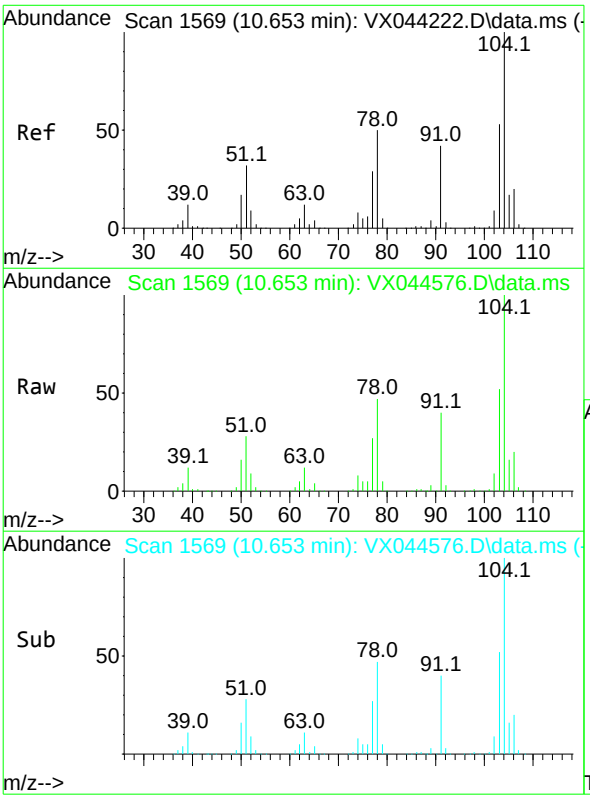
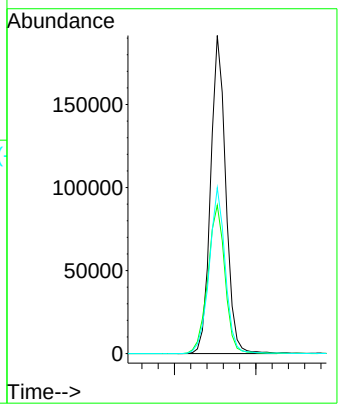


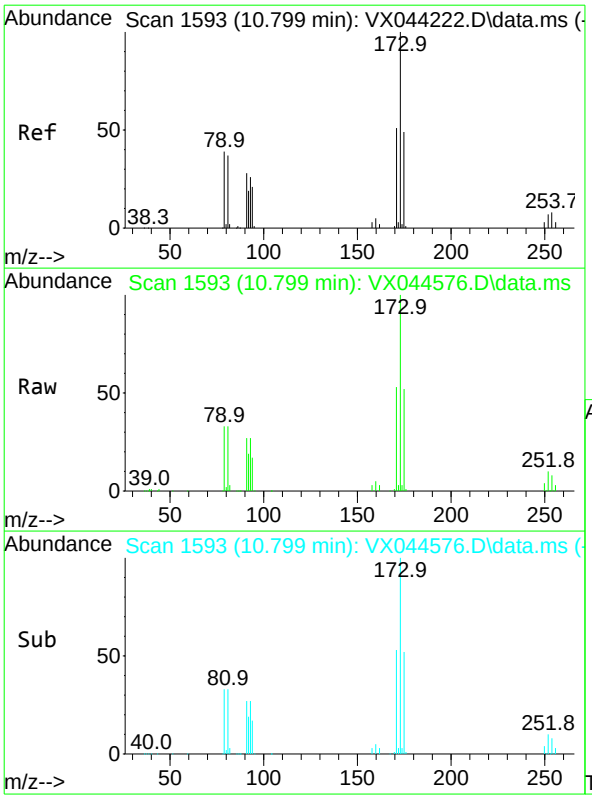


#70
Styrene
Concen: 56.647 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:104 Resp: 247655

Ion	Ratio	Lower	Upper
104	100		
78	52.8	44.6	67.0
103	55.5	45.4	68.0





#71
Bromoform
Concen: 57.985 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 56502

Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.8	71.4
254	0.1	0.0	0.0#

Manual Integrations
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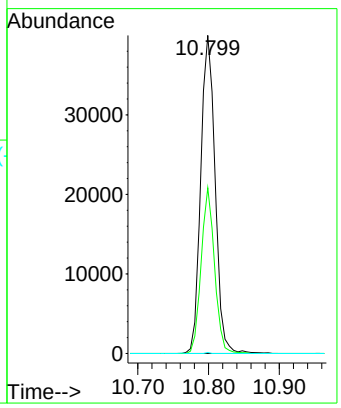
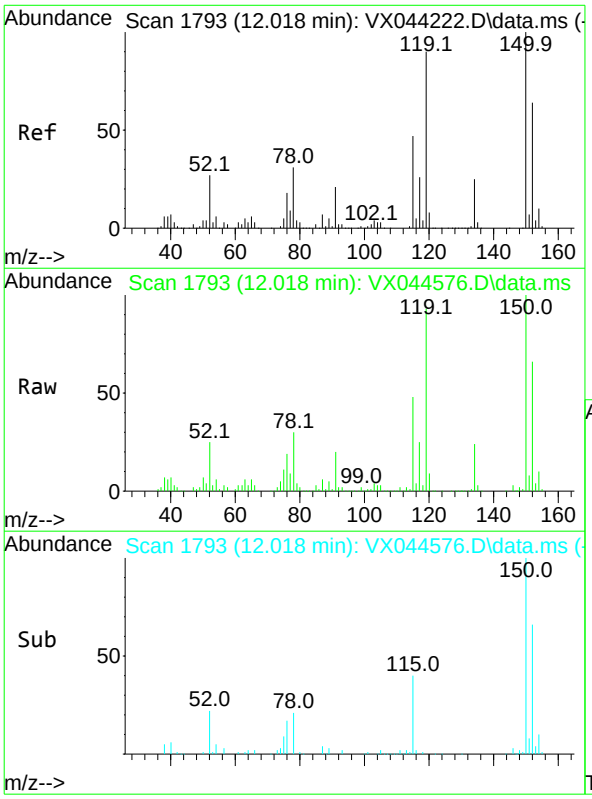
Supervised By :Mahesh Dadoda 01/02/2025

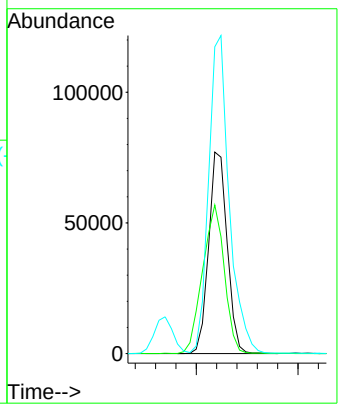


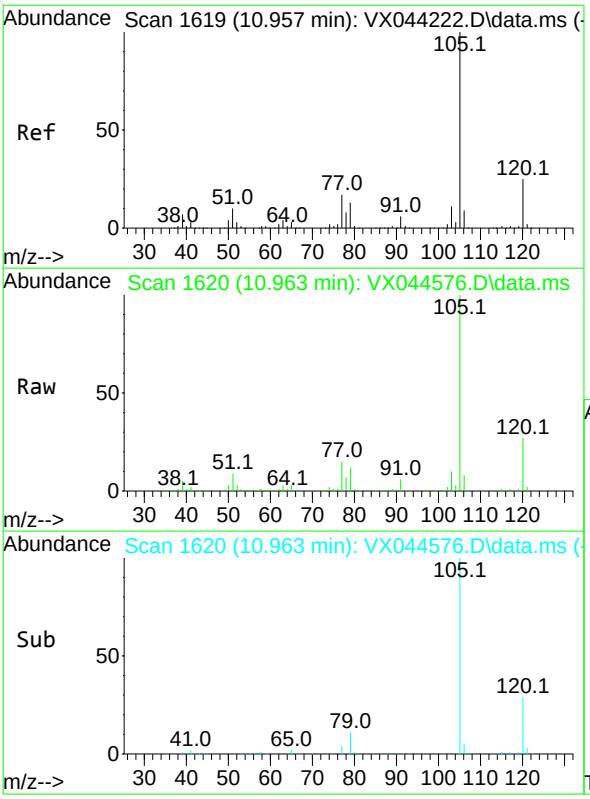


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:152 Resp: 97576

Ion	Ratio	Lower	Upper
152	100		
115	86.7	44.5	133.3
150	175.5	0.0	353.8





#73
Isopropylbenzene
Concen: 52.604 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:105 Resp: 392941

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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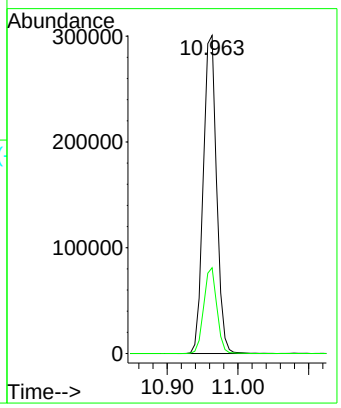
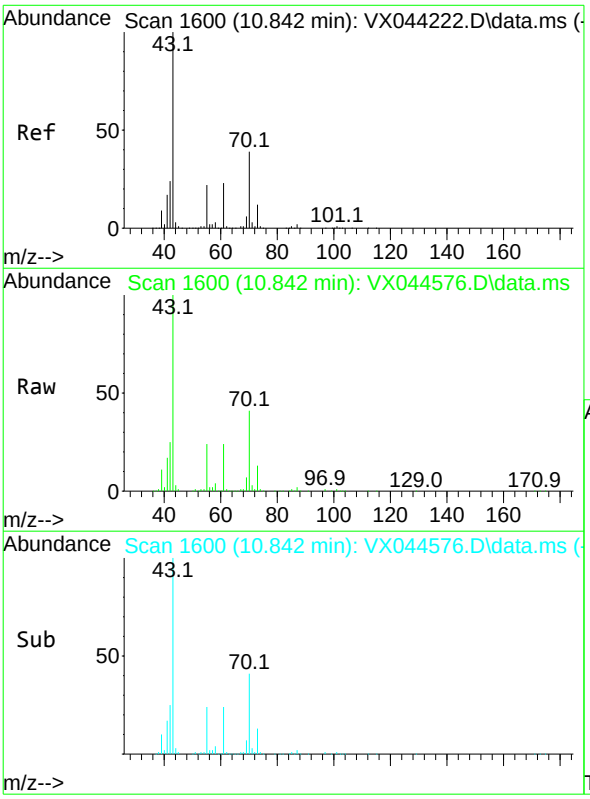
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

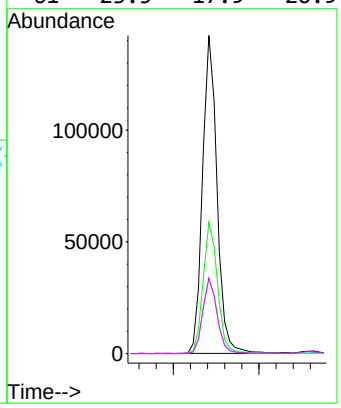


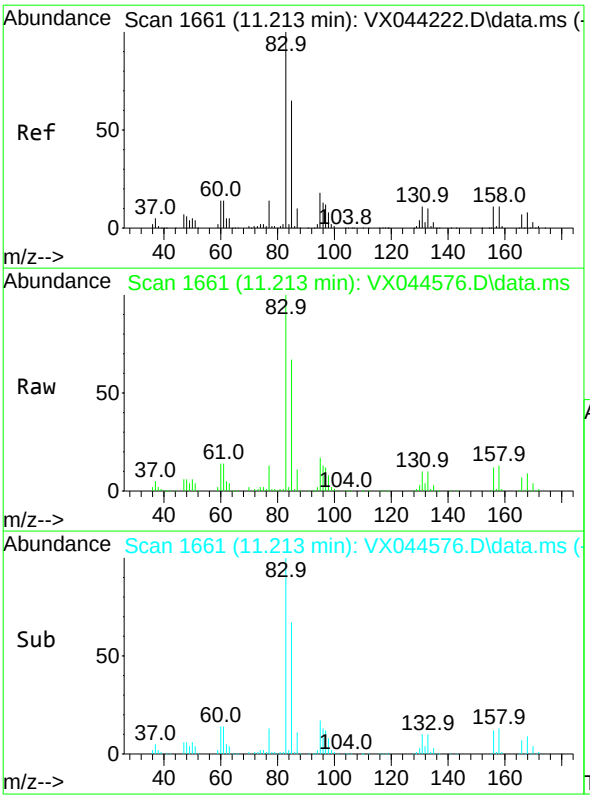


#74
N-amyl acetate
Concen: 48.422 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 43 Resp: 167165

Ion	Ratio	Lower	Upper
43	100		
70	41.7	31.9	47.9
55	24.1	17.9	26.9
61	23.5	17.9	26.9





#75
1,1,2,2-Tetrachloroethane
Concen: 49.378 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 83 Resp: 128112

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.4
85	65.2	32.5	97.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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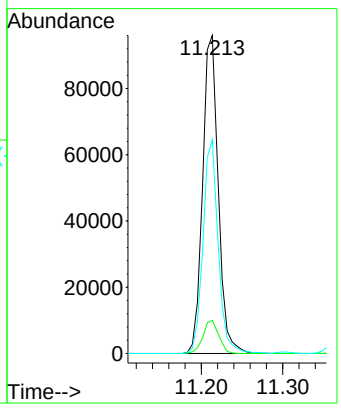
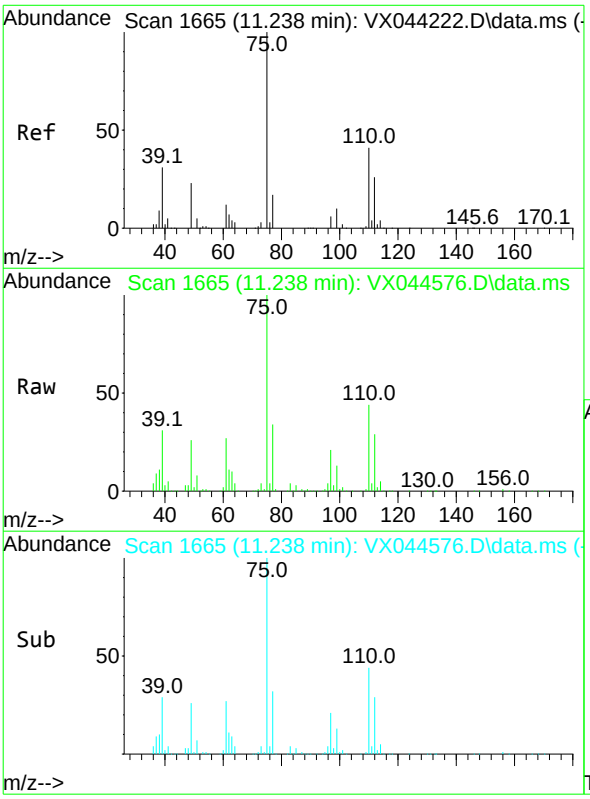
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

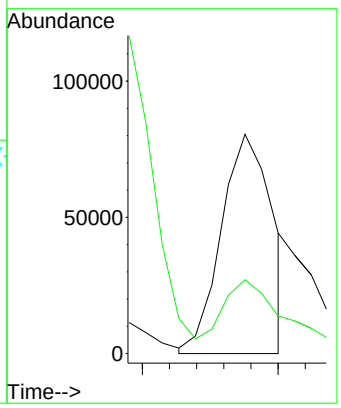


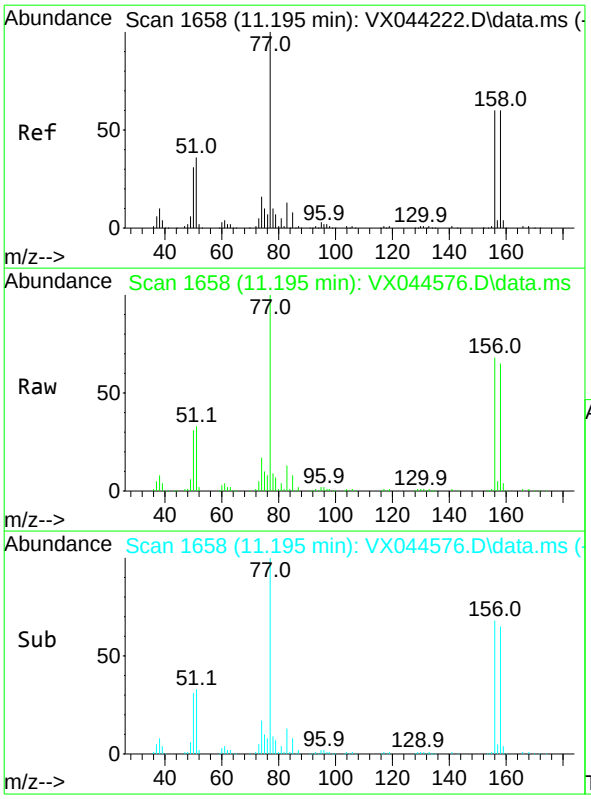


#76
1,2,3-Trichloropropane
Concen: 48.059 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 75 Resp: 104703

Ion	Ratio	Lower	Upper
75	100		
77	42.6	20.9	62.7





#77
Bromobenzene
Concen: 54.204 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:156 Resp: 98184

Ion	Ratio	Lower	Upper
156	100		
77	149.6	82.6	247.8
158	99.7	48.8	146.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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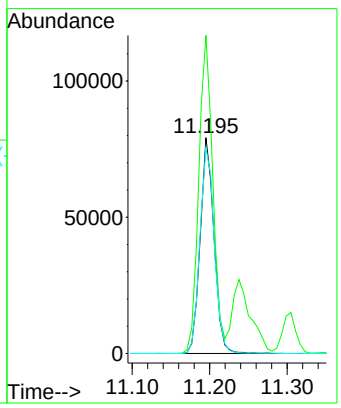
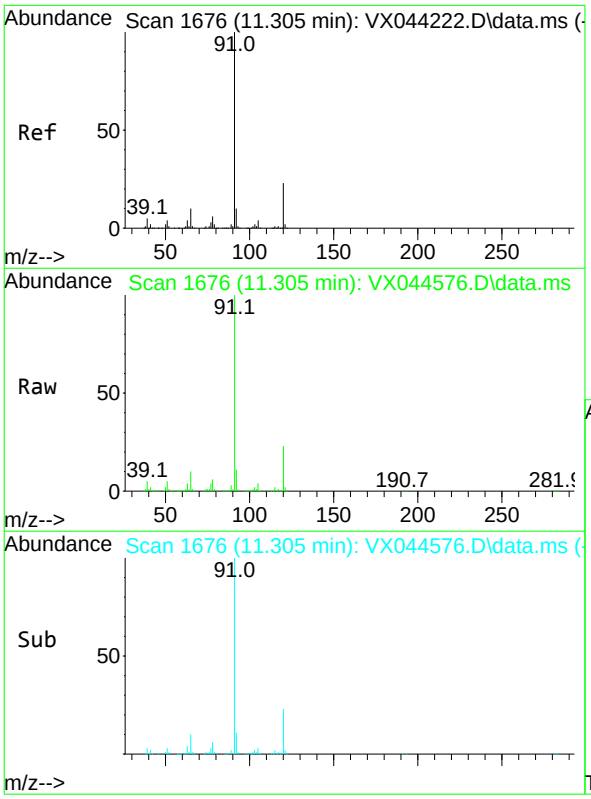
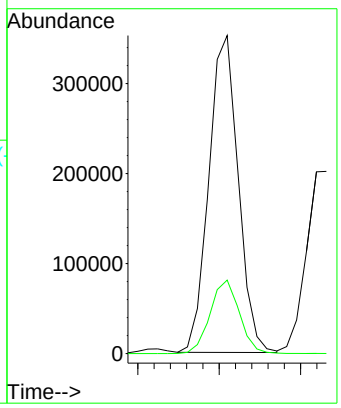


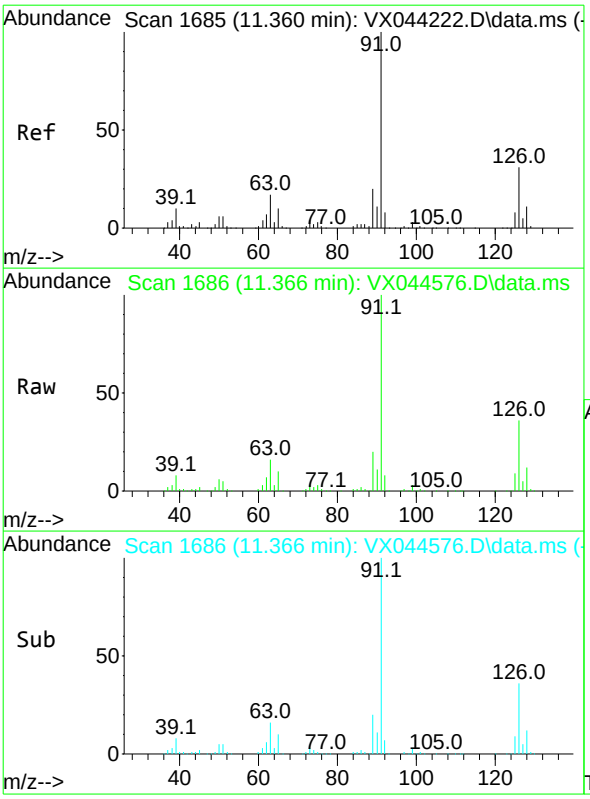


#78
n-propylbenzene
Concen: 53.620 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 91 Resp: 442694

Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.0	33.0





#79
2-Chlorotoluene
Concen: 49.746 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 91 Resp: 265615

Ion	Ratio	Lower	Upper
91	100		
126	35.0	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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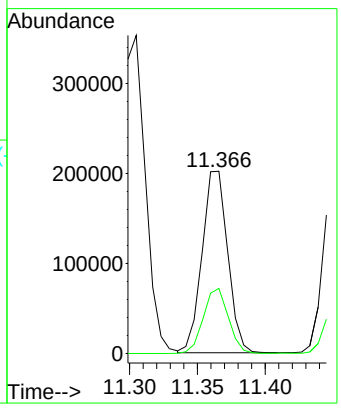
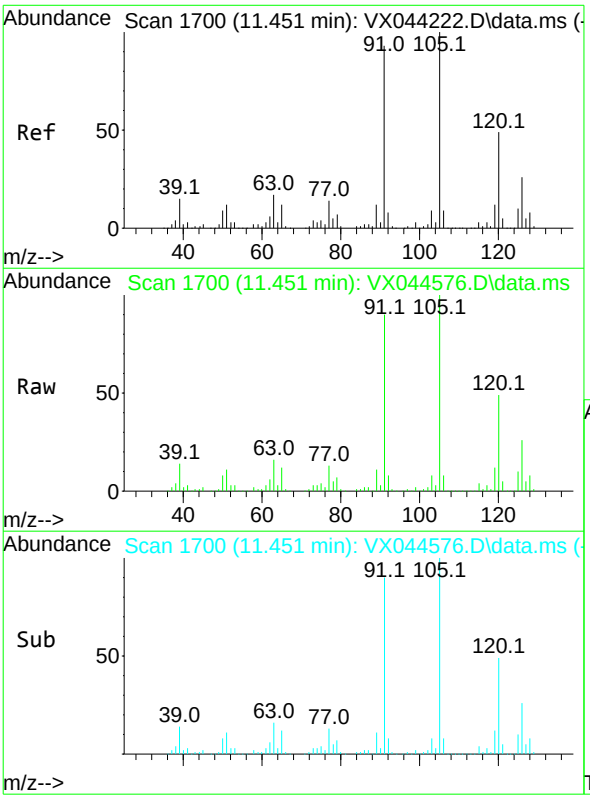
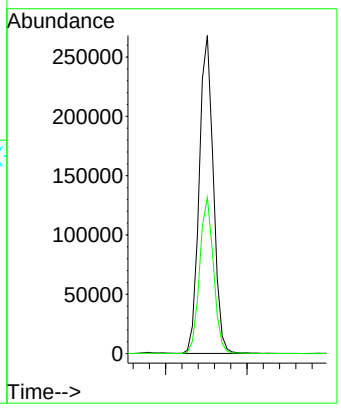


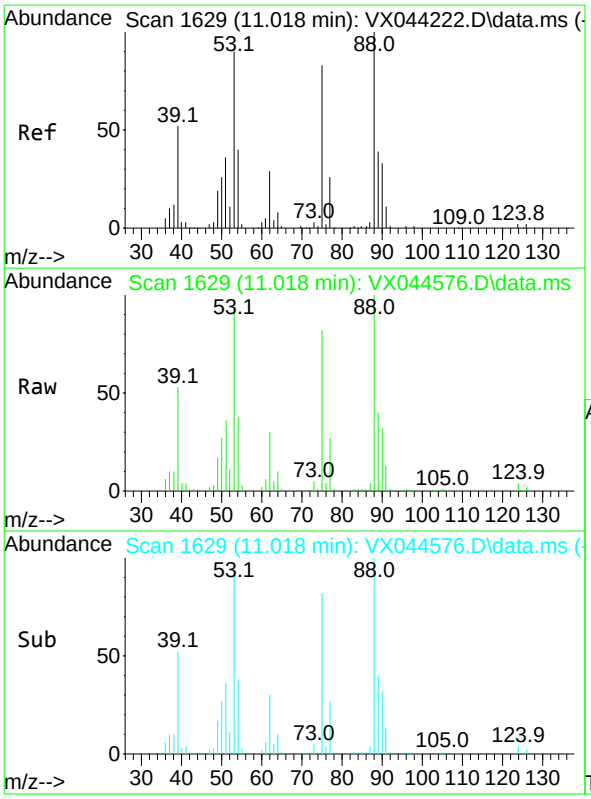


#80
1,3,5-Trimethylbenzene
Concen: 52.153 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:105 Resp: 323069

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.8	71.4





#81
trans-1,4-Dichloro-2-butene
Concen: 45.297 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 75 Resp: 33990

Ion	Ratio	Lower	Upper
75	100		
53	115.3	93.6	140.4
89	49.3	37.3	55.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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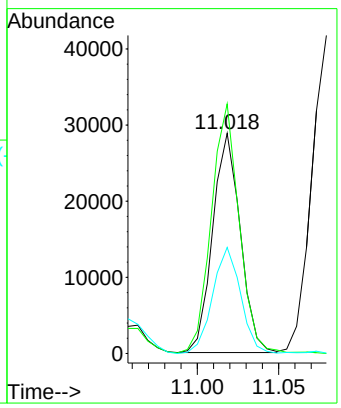
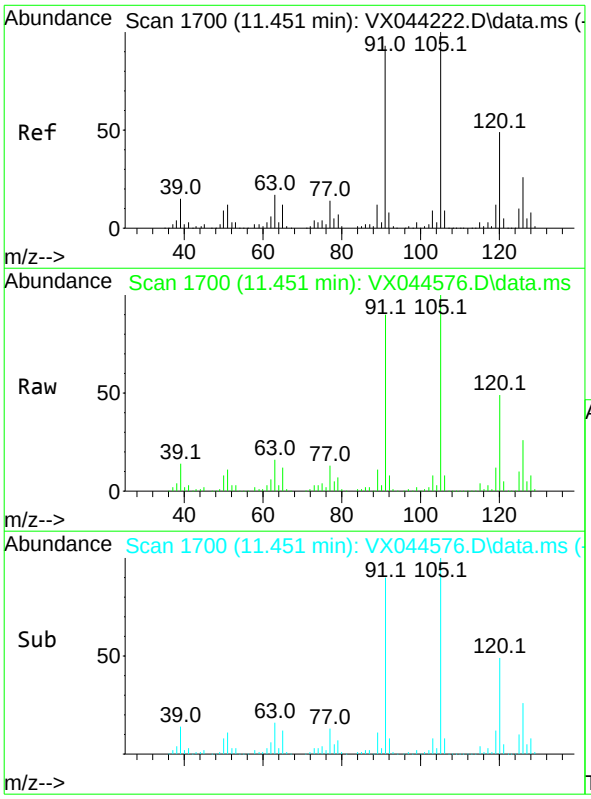
Supervised By :Mahesh Dadoda 01/02/2025

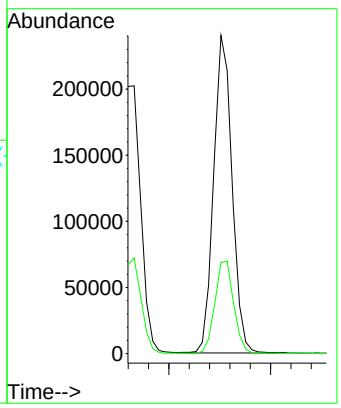


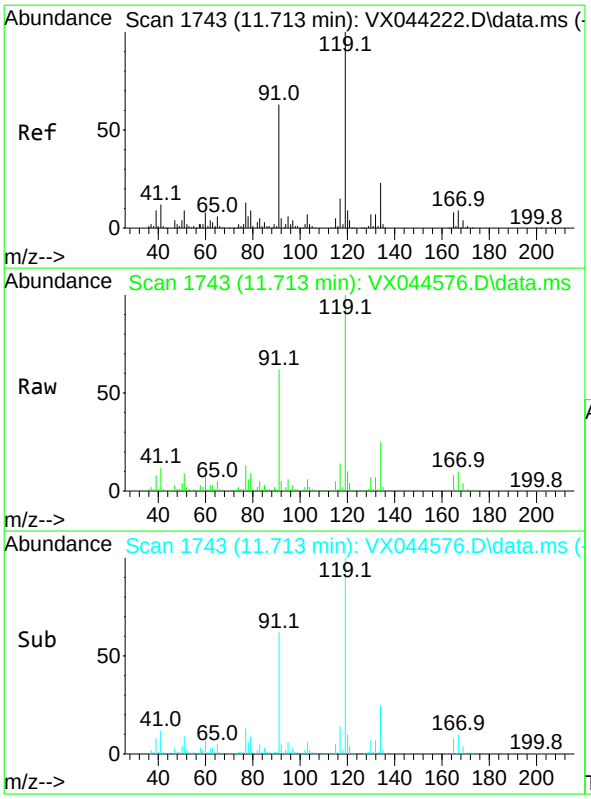


#82
4-Chlorotoluene
Concen: 51.045 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 91 Resp: 301813

Ion	Ratio	Lower	Upper
91	100		
126	30.1	14.5	43.5





#83
tert-Butylbenzene
Concen: 53.267 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

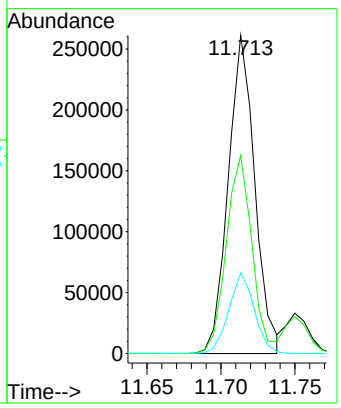
Tgt Ion:119 Resp: 326099

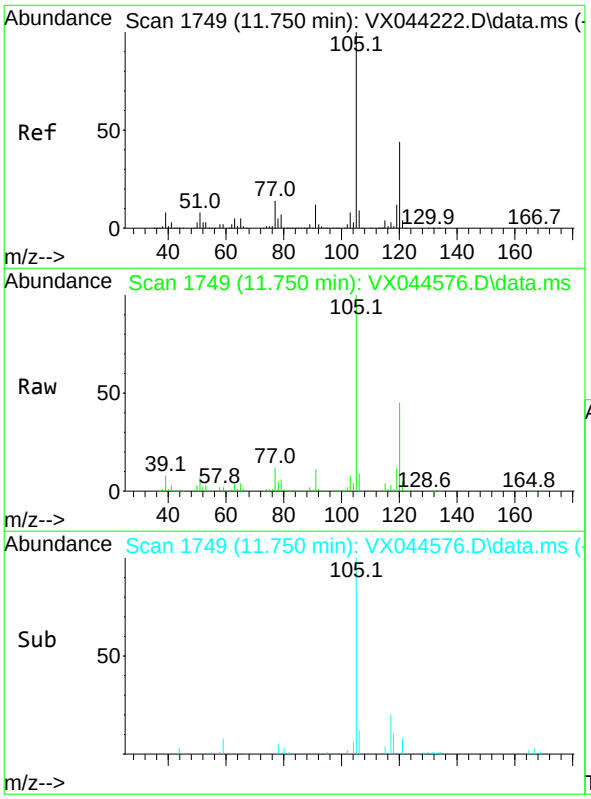
Ion	Ratio	Lower	Upper
119	100		
91	60.5	30.9	92.5
134	24.3	11.5	34.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

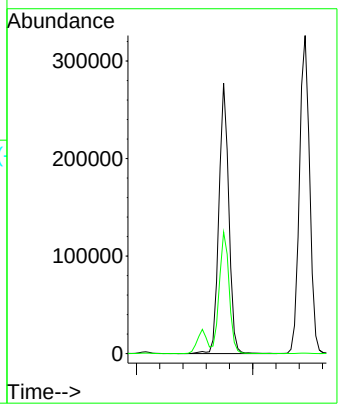


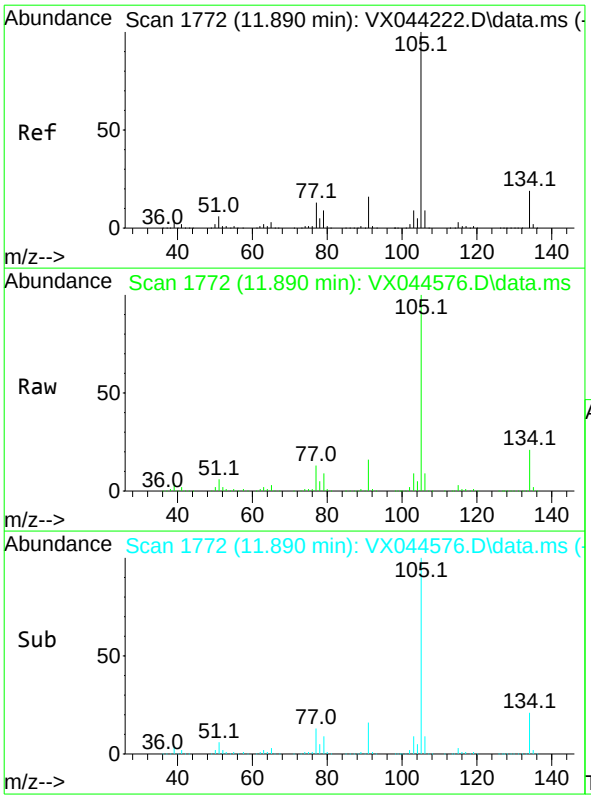


#84
1,2,4-Trimethylbenzene
Concen: 53.774 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:105 Resp: 327138

Ion	Ratio	Lower	Upper
105	100		
120	45.3	21.7	65.1





#85
sec-Butylbenzene
Concen: 53.507 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:105 Resp: 397663

Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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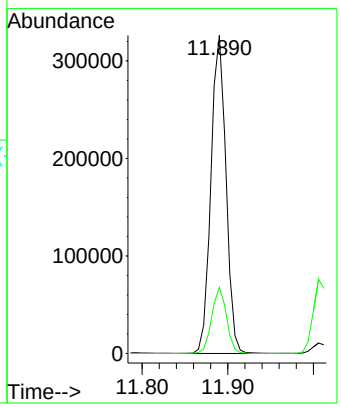
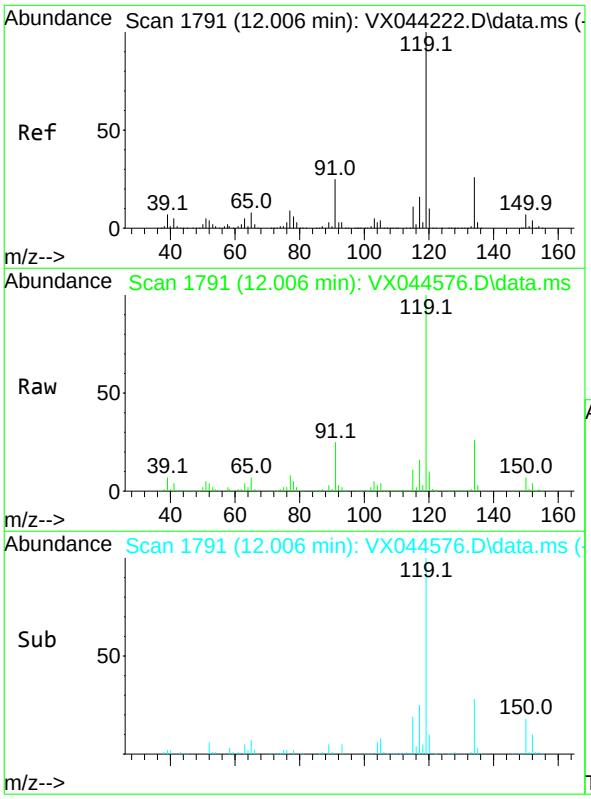
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

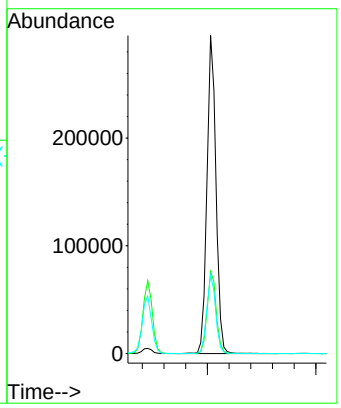


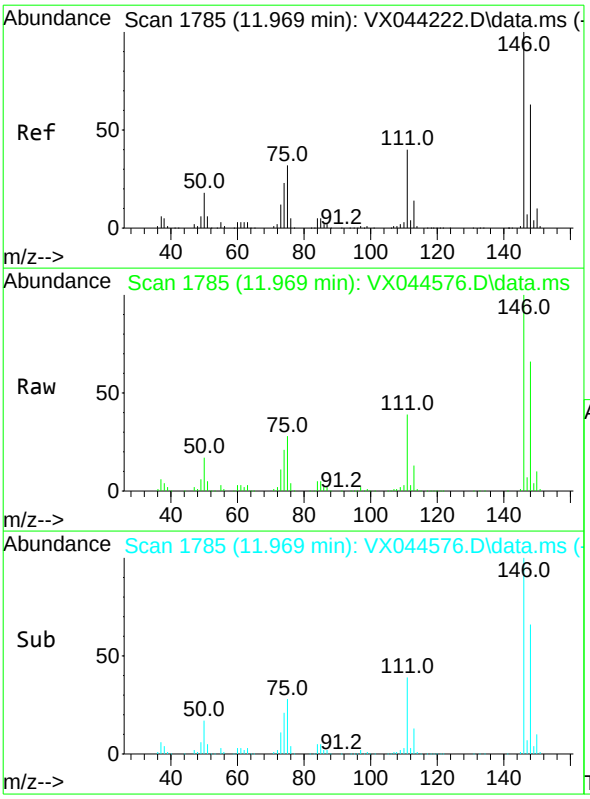


#86
p-Isopropyltoluene
Concen: 55.160 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:119 Resp: 341208

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.8	38.4
91	24.6	13.0	39.0





#87
1,3-Dichlorobenzene
Concen: 55.573 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

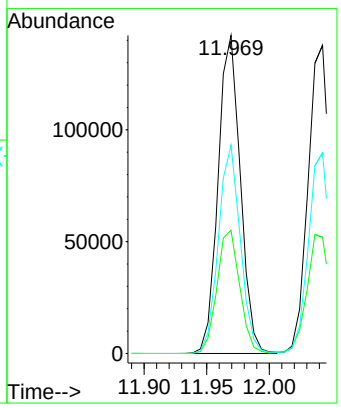
Tgt Ion:146 Resp: 175836

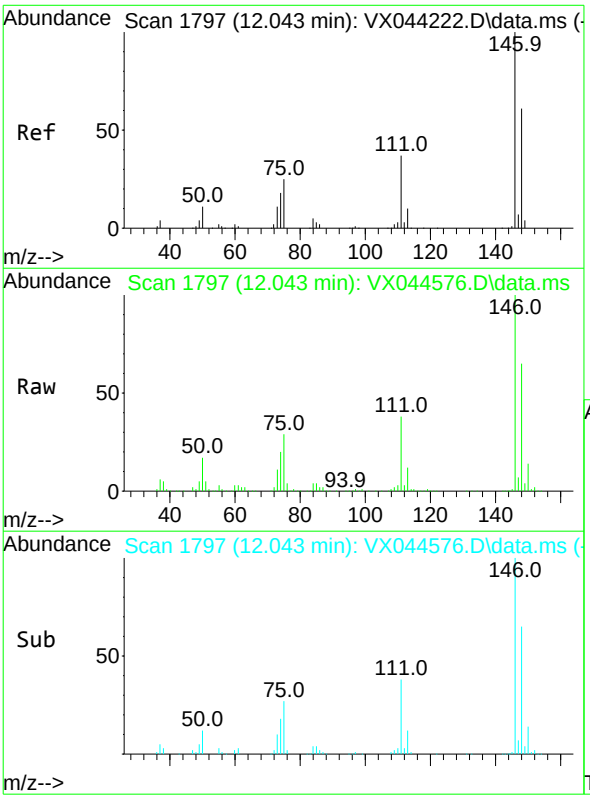
Ion	Ratio	Lower	Upper
146	100		
111	39.6	21.4	64.2
148	64.6	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

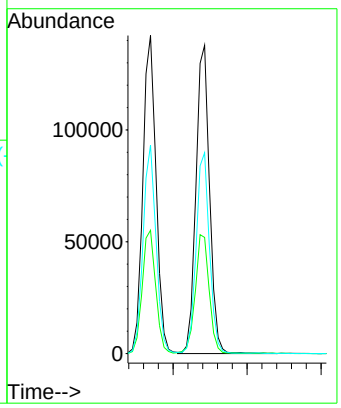


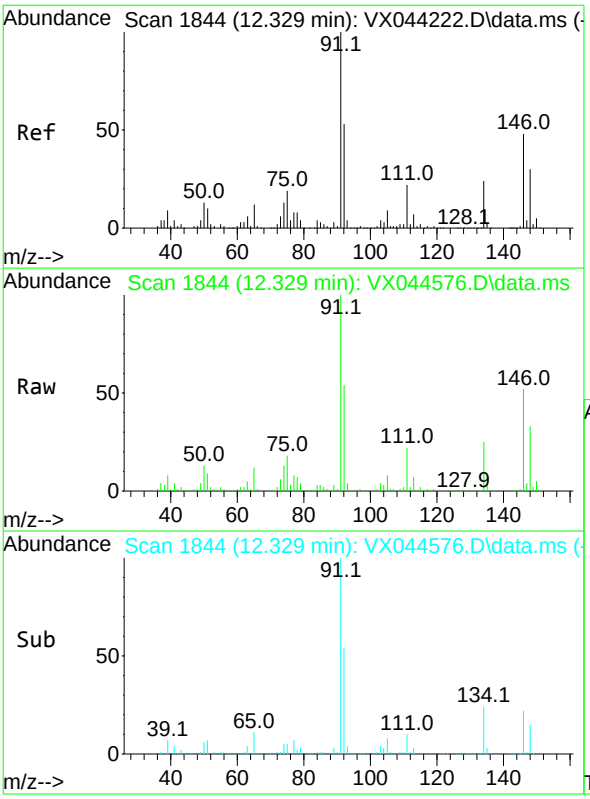


#88
1,4-Dichlorobenzene
Concen: 54.125 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:146 Resp: 176047

Ion	Ratio	Lower	Upper
146	100		
111	39.3	21.0	63.0
148	63.5	32.3	96.8





#89
n-Butylbenzene
Concen: 54.712 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

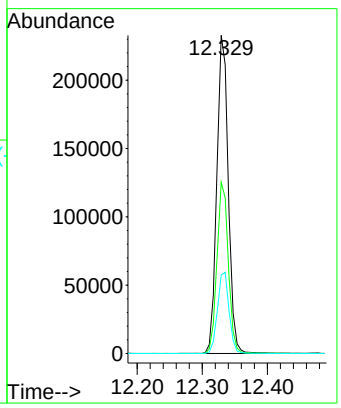
Tgt Ion: 91 Resp: 284584

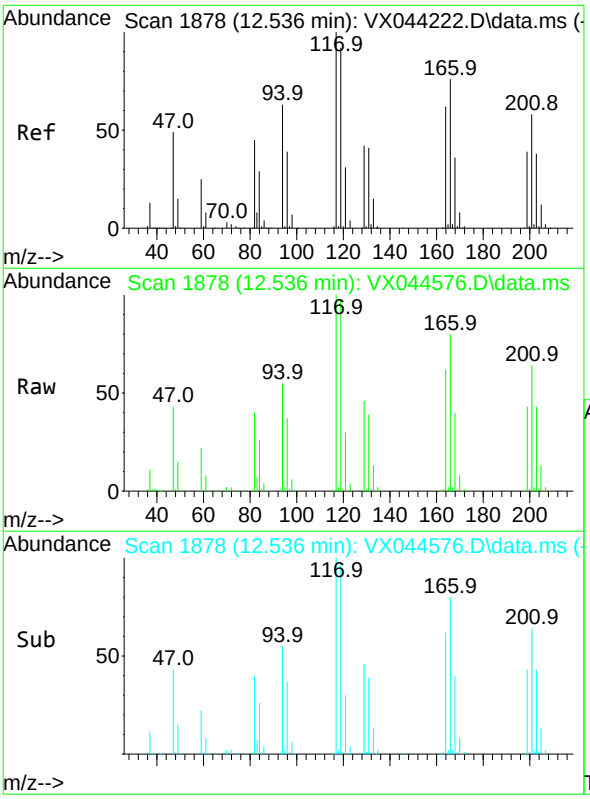
Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.6	79.7
134	25.8	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

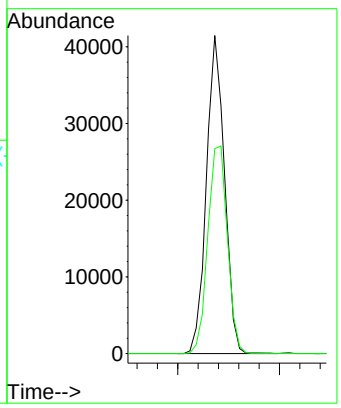


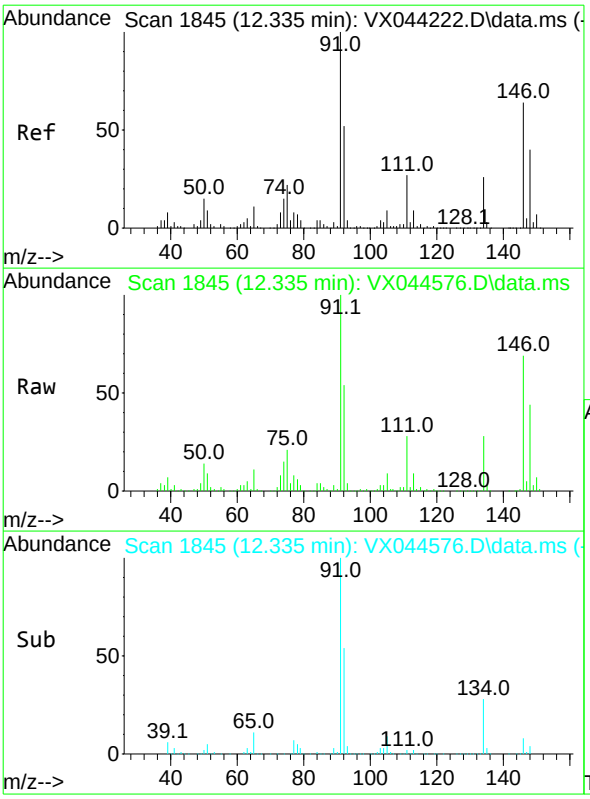


#90
Hexachloroethane
Concen: 56.776 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:117 Resp: 51267

Ion	Ratio	Lower	Upper
117	100		
201	70.5	31.4	94.2





#91
1,2-Dichlorobenzene
Concen: 53.670 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:146 Resp: 176325

Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.4	64.3
148	64.2	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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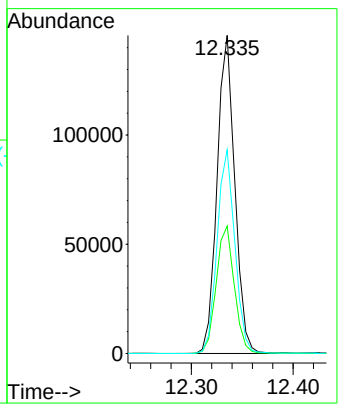
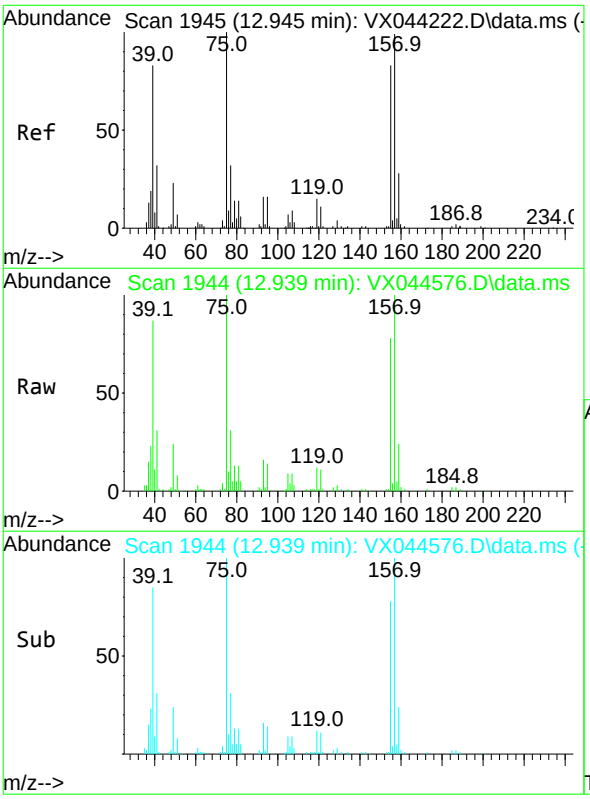
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

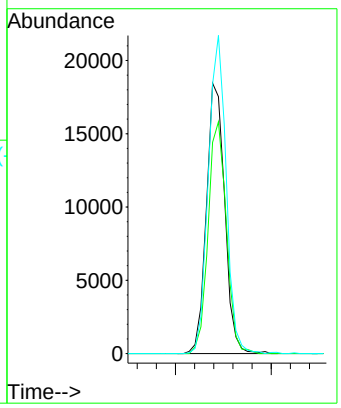


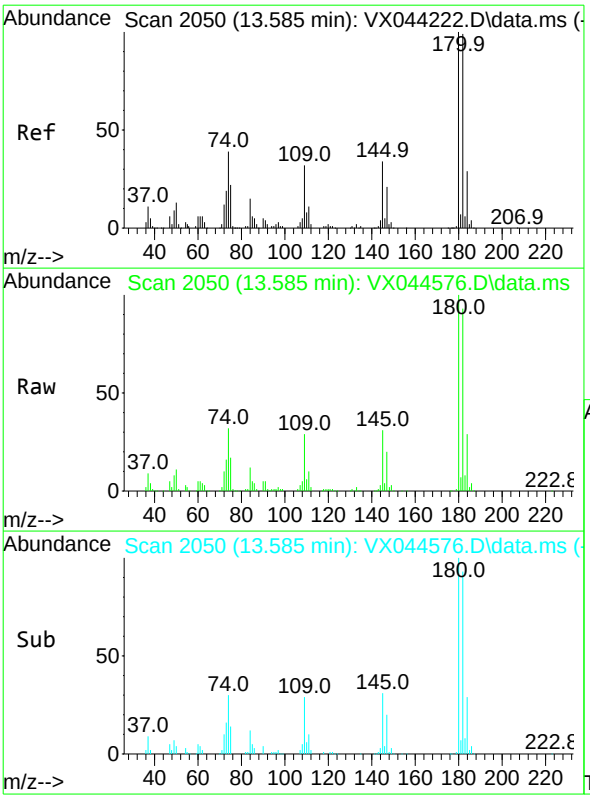


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.513 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion: 75 Resp: 24434

Ion	Ratio	Lower	Upper
75	100		
155	85.5	38.1	114.3
157	114.7	47.2	141.6





#93
1,2,4-Trichlorobenzene
Concen: 59.544 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:180 Resp: 107249

Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.0	144.2
145	31.5	16.6	49.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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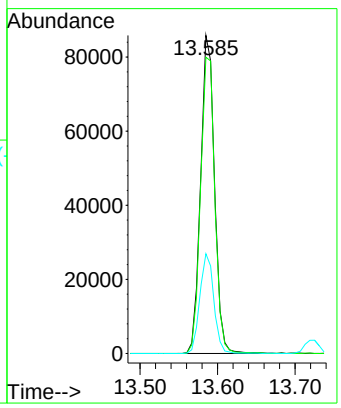
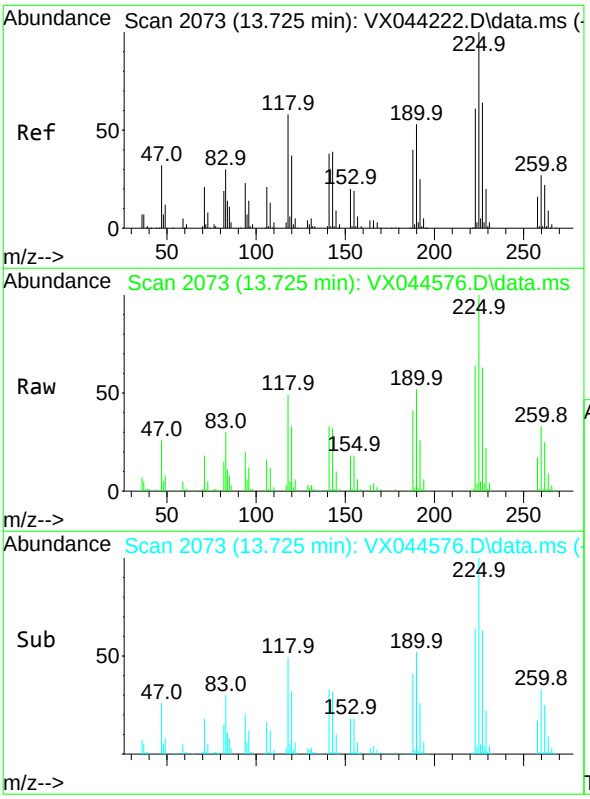
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

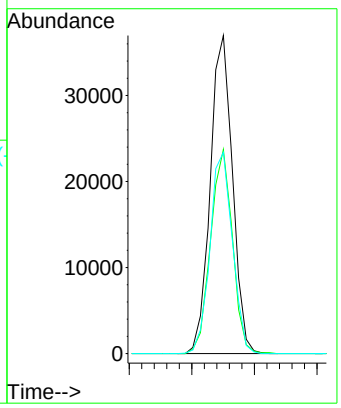


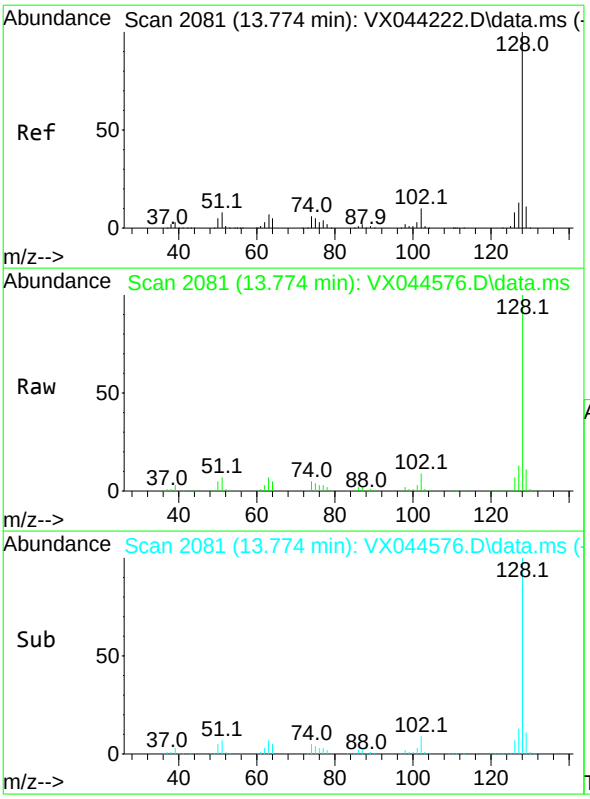


#94
Hexachlorobutadiene
Concen: 62.892 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:225 Resp: 45565

Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.8	92.4
227	63.7	32.1	96.3





#95
Naphthalene
Concen: 51.798 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

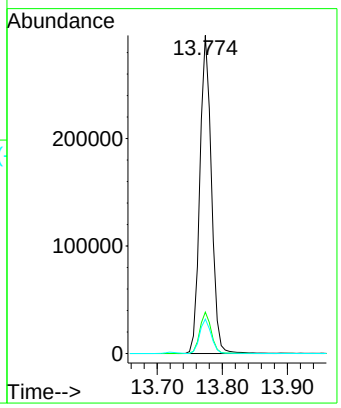
Tgt Ion:128 Resp: 364180

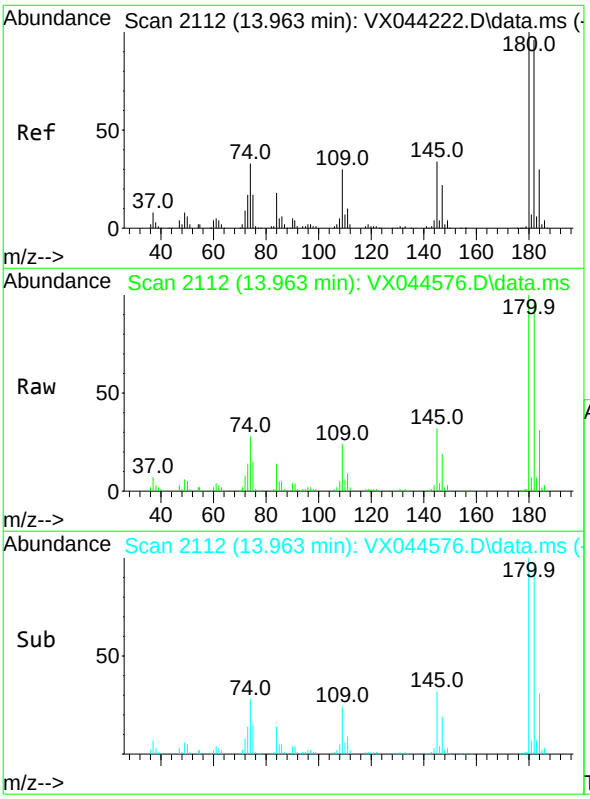
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.8	9.0	13.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

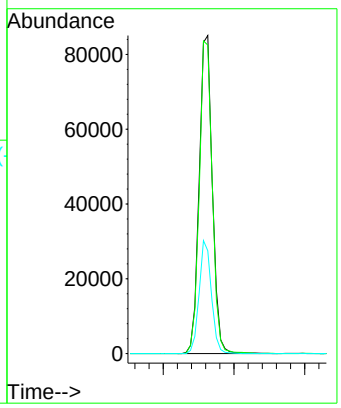




#96
1,2,3-Trichlorobenzene
Concen: 57.429 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044576.D
Acq: 31 Dec 2024 13:27

Tgt Ion:180 Resp: 109714

Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.0	144.0
145	33.2	17.7	53.1



Sample Results: **VX044576.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044576.D
Acq On : 31 Dec 2024 13:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 01 01:40:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	112	0.00
2	T	Dichlorodifluoromethane	0.773	0.737	4.7	105	0.00
3	P	Chloromethane	0.739	0.676	8.5	100	0.00
4	C	Vinyl Chloride	0.770	0.695	9.7#	99	0.00
5	T	Bromomethane	0.546	0.476	12.8	97	0.00
6	T	Chloroethane	0.480	0.435	9.4	92	0.00
7	T	Trichlorofluoromethane	1.508	1.259	16.5	92	0.00
8	T	Diethyl Ether	0.515	0.477	7.4	104	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.610	0.714	-17.0	130	0.00
10	T	Methyl Iodide	0.804	0.924	-14.9	122	0.00
11	T	Tert butyl alcohol	0.124	0.099	20.2	92	0.00
12	CM	1,1-Dichloroethene	0.560	0.664	-18.6#	125	0.00
13	T	Acrolein	0.179	0.248	-38.5#	150#	0.00
14	T	Allyl chloride	0.933	0.890	4.6	99	0.00
15	T	Acrylonitrile	0.342	0.313	8.5	98	0.00
16	T	Acetone	0.357	0.345	3.4	101	0.00
17	T	Carbon Disulfide	1.065	1.278	-20.0	125	0.00
18	T	Methyl Acetate	0.922	0.816	11.5	96	0.00
19	T	Methyl tert-butyl Ether	2.187	1.956	10.6	95	0.00
20	T	Methylene Chloride	0.671	0.646	3.7	105	0.00
21	T	trans-1,2-Dichloroethene	0.596	0.588	1.3	107	0.00
22	T	Diisopropyl ether	2.102	1.860	11.5	96	0.00
23	T	Vinyl Acetate	1.709	1.659	2.9	97	0.00
24	P	1,1-Dichloroethane	1.172	1.127	3.8	102	0.00
25	T	2-Butanone	0.508	0.442	13.0	90	0.00
26	T	2,2-Dichloropropane	0.952	0.907	4.7	97	0.00
27	T	cis-1,2-Dichloroethene	0.756	0.713	5.7	104	0.00
28	T	Bromochloromethane	0.575	0.446	22.4	84	0.00
29	T	Tetrahydrofuran	0.326	0.288	11.7	96	0.00
30	C	Chloroform	1.316	1.208	8.2#	101	0.00
31	T	Cyclohexane	0.946	0.900	4.9	103	0.00
32	T	1,1,1-Trichloroethane	1.093	1.052	3.8	100	0.00
33	S	1,2-Dichloroethane-d4	0.877	0.692	21.1	84	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35	S	Dibromofluoromethane	0.346	0.345	0.3	91	0.00
36	T	1,1-Dichloropropene	0.448	0.473	-5.6	103	0.00
37	T	Ethyl Acetate	0.553	0.564	-2.0	94	0.00
38	T	Carbon Tetrachloride	0.482	0.536	-11.2	103	0.00
39	T	Methylcyclohexane	0.535	0.630	-17.8	110	0.00
40	TM	Benzene	1.359	1.493	-9.9	102	0.00
41	T	Methacrylonitrile	0.294	0.304	-3.4	97	0.00
42	TM	1,2-Dichloroethane	0.560	0.570	-1.8	94	0.00
43	T	Isopropyl Acetate	0.865	0.894	-3.4	94	0.00
44	TM	Trichloroethene	0.339	0.384	-13.3	106	0.00
45	C	1,2-Dichloropropane	0.347	0.361	-4.0#	98	0.00
46	T	Dibromomethane	0.269	0.295	-9.7	100	0.00
47	T	Bromodichloromethane	0.465	0.521	-12.0	99	0.00
48	T	Methyl methacrylate	0.420	0.423	-0.7	92	0.00

Sample Results: **VX044576.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044576.D
Acq On : 31 Dec 2024 13:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 01 01:40:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.007	0.006	14.3	78	-0.01
50	S	Toluene-d8	1.168	1.152	1.4	89	0.00
51	T	4-Methyl-2-Pentanone	0.556	0.568	-2.2	93	0.00
52	CM	Toluene	0.853	0.918	-7.6#	101	0.00
53	T	t-1,3-Dichloropropene	0.455	0.524	-15.2	99	0.00
54	T	cis-1,3-Dichloropropene	0.507	0.568	-12.0	97	0.00
55	T	1,1,2-Trichloroethane	0.339	0.376	-10.9	102	0.00
56	T	Ethyl methacrylate	0.535	0.580	-8.4	97	0.00
57	T	1,3-Dichloropropane	0.590	0.621	-5.3	98	0.00
58	T	2-Chloroethyl Vinyl ether	0.270	0.243	10.0	80	0.00
59	T	2-Hexanone	0.403	0.421	-4.5	93	0.00
60	T	Dibromochloromethane	0.326	0.397	-21.8	104	0.00
61	T	1,2-Dibromoethane	0.345	0.399	-15.7	105	0.00
62	S	4-Bromofluorobenzene	0.408	0.410	-0.5	90	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64	T	Tetrachloroethene	0.332	0.393	-18.4	118	0.00
65	PM	Chlorobenzene	1.071	1.185	-10.6	105	0.00
66	T	1,1,1,2-Tetrachloroethane	0.344	0.404	-17.4	104	0.00
67	C	Ethyl Benzene	1.851	2.017	-9.0#	101	0.00
68	T	m/p-Xylenes	0.679	0.765	-12.7	105	0.00
69	T	o-Xylene	0.687	0.759	-10.5	104	0.00
70	T	Styrene	1.102	1.248	-13.2	104	0.00
71	P	Bromoform	0.219	0.285	-30.1#	112	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73	T	Isopropylbenzene	3.828	4.027	-5.2	105	0.00
74	T	N-amyl acetate	1.769	1.713	3.2	92	0.00
75	P	1,1,2,2-Tetrachloroethane	1.329	1.313	1.2	101	0.00
76	T	1,2,3-Trichloropropane	1.116	1.073	3.9	98	0.00
77	T	Bromobenzene	0.928	1.006	-8.4	109	0.00
78	T	n-propylbenzene	4.231	4.537	-7.2	103	0.00
79	T	2-Chlorotoluene	2.736	2.722	0.5	101	0.00
80	T	1,3,5-Trimethylbenzene	3.174	3.311	-4.3	103	0.00
81	T	trans-1,4-Dichloro-2-butene	0.347	0.348	-0.3	97	0.00
82	T	4-Chlorotoluene	3.030	3.093	-2.1	102	0.00
83	T	tert-Butylbenzene	3.137	3.342	-6.5	105	0.00
84	T	1,2,4-Trimethylbenzene	3.117	3.353	-7.6	104	0.00
85	T	sec-Butylbenzene	3.808	4.075	-7.0	105	0.00
86	T	p-Isopropyltoluene	3.170	3.497	-10.3	107	0.00
87	T	1,3-Dichlorobenzene	1.621	1.802	-11.2	110	0.00
88	T	1,4-Dichlorobenzene	1.667	1.804	-8.2	111	0.00
89	T	n-Butylbenzene	2.665	2.917	-9.5	105	0.00
90	T	Hexachloroethane	0.463	0.525	-13.4	106	0.00
91	T	1,2-Dichlorobenzene	1.683	1.807	-7.4	107	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.258	0.250	3.1	94	0.00
93	T	1,2,4-Trichlorobenzene	0.923	1.099	-19.1	115	0.00
94	T	Hexachlorobutadiene	0.371	0.467	-25.9#	130	0.00
95	T	Naphthalene	3.603	3.732	-3.6	100	0.00

Sample Results: **VX044576.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044576.D
Acq On : 31 Dec 2024 13:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 01 01:40:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.979	1.124	-14.8	113	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Sample Results: **VX044576.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044576.D
Acq On : 31 Dec 2024 13:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 01 01:40:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	112	0.00
2	T	Dichlorodifluoromethane	50.000	47.666	4.7	105	0.00
3	P	Chloromethane	50.000	45.702	8.6	100	0.00
4	C	Vinyl Chloride	50.000	45.141	9.7#	99	0.00
5	T	Bromomethane	50.000	43.554	12.9	97	0.00
6	T	Chloroethane	50.000	45.342	9.3	92	0.00
7	T	Trichlorofluoromethane	50.000	41.743	16.5	92	0.00
8	T	Diethyl Ether	50.000	46.343	7.3	104	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	58.469	-16.9	130	0.00
10	T	Methyl Iodide	50.000	57.421	-14.8	122	0.00
11	T	Tert butyl alcohol	250.000	200.872	19.7	92	0.00
12	CM	1,1-Dichloroethene	50.000	59.197	-18.4#	125	0.00
13	T	Acrolein	250.000	346.137	-38.5#	150	0.00
14	T	Allyl chloride	50.000	47.685	4.6	99	0.00
15	T	Acrylonitrile	250.000	228.963	8.4	98	0.00
16	T	Acetone	250.000	241.344	3.5	101	0.00
17	T	Carbon Disulfide	50.000	59.990	-20.0	125	0.00
18	T	Methyl Acetate	50.000	44.288	11.4	96	0.00
19	T	Methyl tert-butyl Ether	50.000	44.712	10.6	95	0.00
20	T	Methylene Chloride	50.000	48.094	3.8	105	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.377	1.2	107	0.00
22	T	Diisopropyl ether	50.000	44.241	11.5	96	0.00
23	T	Vinyl Acetate	250.000	242.662	2.9	97	0.00
24	P	1,1-Dichloroethane	50.000	48.111	3.8	102	0.00
25	T	2-Butanone	250.000	217.555	13.0	90	0.00
26	T	2,2-Dichloropropane	50.000	47.668	4.7	97	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.140	5.7	104	0.00
28	T	Bromochloromethane	50.000	38.824	22.4	84	0.00
29	T	Tetrahydrofuran	250.000	220.552	11.8	96	0.00
30	C	Chloroform	50.000	45.865	8.3#	101	0.00
31	T	Cyclohexane	50.000	47.576	4.8	103	0.00
32	T	1,1,1-Trichloroethane	50.000	48.137	3.7	100	0.00
33	S	1,2-Dichloroethane-d4	50.000	39.464	21.1	84	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35	S	Dibromofluoromethane	50.000	49.856	0.3	91	0.00
36	T	1,1-Dichloropropene	50.000	52.798	-5.6	103	0.00
37	T	Ethyl Acetate	50.000	50.993	-2.0	94	0.00
38	T	Carbon Tetrachloride	50.000	55.628	-11.3	103	0.00
39	T	Methylcyclohexane	50.000	58.893	-17.8	110	0.00
40	TM	Benzene	50.000	54.939	-9.9	102	0.00
41	T	Methacrylonitrile	50.000	51.723	-3.4	97	0.00
42	TM	1,2-Dichloroethane	50.000	50.875	-1.8	94	0.00
43	T	Isopropyl Acetate	50.000	51.693	-3.4	94	0.00
44	TM	Trichloroethene	50.000	56.695	-13.4	106	0.00
45	C	1,2-Dichloropropane	50.000	51.964	-3.9#	98	0.00
46	T	Dibromomethane	50.000	54.828	-9.7	100	0.00
47	T	Bromodichloromethane	50.000	55.991	-12.0	99	0.00
48	T	Methyl methacrylate	50.000	50.435	-0.9	92	0.00

Sample Results: **VX044576.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044576.D
Acq On : 31 Dec 2024 13:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 01 01:40:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	872.476	12.8	78	-0.01
50	S	Toluene-d8	50.000	49.317	1.4	89	0.00
51	T	4-Methyl-2-Pentanone	250.000	255.503	-2.2	93	0.00
52	CM	Toluene	50.000	53.794	-7.6#	101	0.00
53	T	t-1,3-Dichloropropene	50.000	52.328	-4.7	99	0.00
54	T	cis-1,3-Dichloropropene	50.000	56.041	-12.1	97	0.00
55	T	1,1,2-Trichloroethane	50.000	55.514	-11.0	102	0.00
56	T	Ethyl methacrylate	50.000	54.188	-8.4	97	0.00
57	T	1,3-Dichloropropane	50.000	52.578	-5.2	98	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	224.961	10.0	80	0.00
59	T	2-Hexanone	250.000	261.415	-4.6	93	0.00
60	T	Dibromochloromethane	50.000	54.879	-9.8	104	0.00
61	T	1,2-Dibromoethane	50.000	57.798	-15.6	105	0.00
62	S	4-Bromofluorobenzene	50.000	50.269	-0.5	90	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64	T	Tetrachloroethene	50.000	59.260	-18.5	118	0.00
65	PM	Chlorobenzene	50.000	55.285	-10.6	105	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	58.664	-17.3	104	0.00
67	C	Ethyl Benzene	50.000	54.478	-9.0#	101	0.00
68	T	m/p-Xylenes	100.000	112.691	-12.7	105	0.00
69	T	o-Xylene	50.000	55.227	-10.5	104	0.00
70	T	Styrene	50.000	56.647	-13.3	104	0.00
71	P	Bromoform	50.000	57.985	-16.0	112	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73	T	Isopropylbenzene	50.000	52.604	-5.2	105	0.00
74	T	N-amyl acetate	50.000	48.422	3.2	92	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.378	1.2	101	0.00
76	T	1,2,3-Trichloropropane	50.000	48.059	3.9	98	0.00
77	T	Bromobenzene	50.000	54.204	-8.4	109	0.00
78	T	n-propylbenzene	50.000	53.620	-7.2	103	0.00
79	T	2-Chlorotoluene	50.000	49.746	0.5	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.153	-4.3	103	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.297	9.4	97	0.00
82	T	4-Chlorotoluene	50.000	51.045	-2.1	102	0.00
83	T	tert-Butylbenzene	50.000	53.267	-6.5	105	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.774	-7.5	104	0.00
85	T	sec-Butylbenzene	50.000	53.507	-7.0	105	0.00
86	T	p-Isopropyltoluene	50.000	55.160	-10.3	107	0.00
87	T	1,3-Dichlorobenzene	50.000	55.573	-11.1	110	0.00
88	T	1,4-Dichlorobenzene	50.000	54.125	-8.3	111	0.00
89	T	n-Butylbenzene	50.000	54.712	-9.4	105	0.00
90	T	Hexachloroethane	50.000	56.776	-13.6	106	0.00
91	T	1,2-Dichlorobenzene	50.000	53.670	-7.3	107	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.513	3.0	94	0.00
93	T	1,2,4-Trichlorobenzene	50.000	59.544	-19.1	115	0.00
94	T	Hexachlorobutadiene	50.000	62.892	-25.8#	130	0.00
95	T	Naphthalene	50.000	51.798	-3.6	100	0.00

Sample Results: **VX044576.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044576.D
Acq On : 31 Dec 2024 13:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 01 01:40:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	57.429	-14.9	113	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

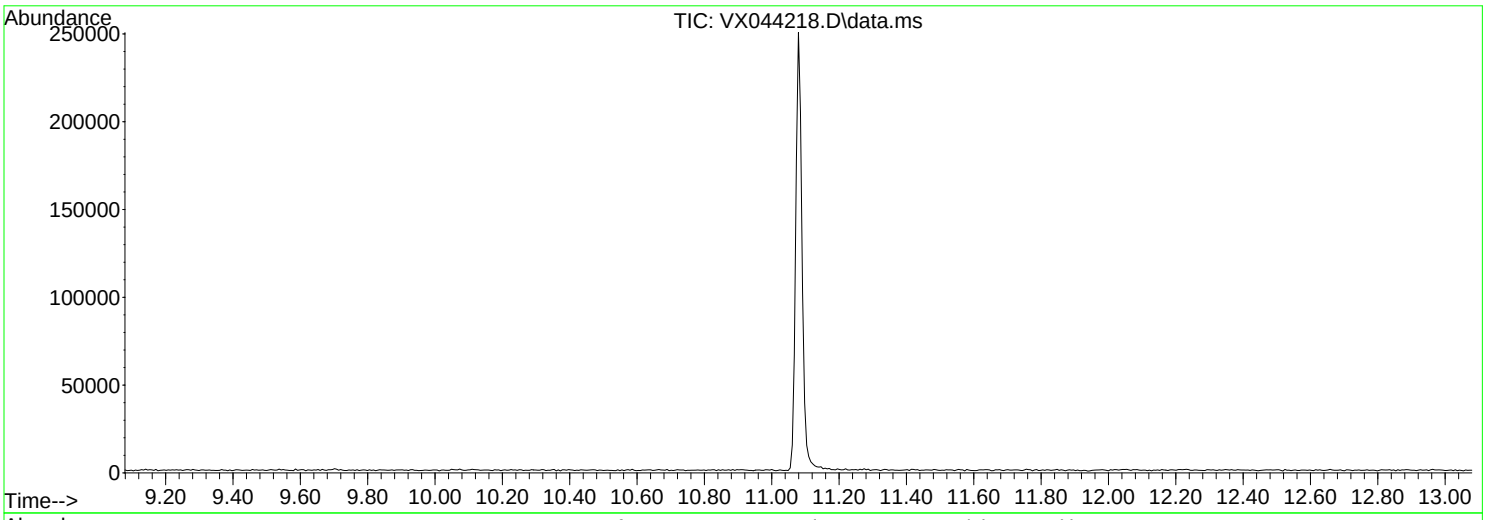
Sample Results: **VX044218.D**

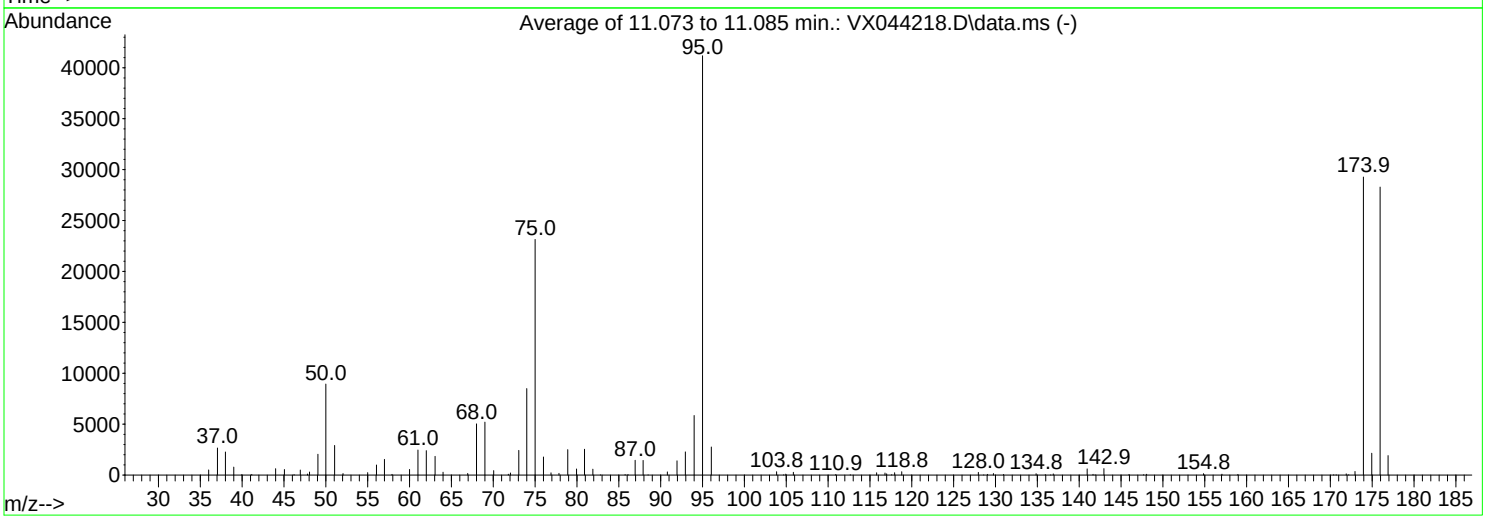
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044218.D
Acq On : 11 Dec 2024 10:13
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Title : SW846 8260
Last Update : Thu Dec 12 04:28:14 2024





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.7	8939	PASS
75	95	30	60	56.2	23141	PASS
95	95	100	100	100.0	41184	PASS
96	95	5	9	6.7	2759	PASS
173	174	0.00	2	1.2	353	PASS
174	95	50	100	71.1	29272	PASS
175	174	5	9	7.3	2147	PASS
176	174	95	101	96.6	28285	PASS
177	176	5	9	6.8	1915	PASS

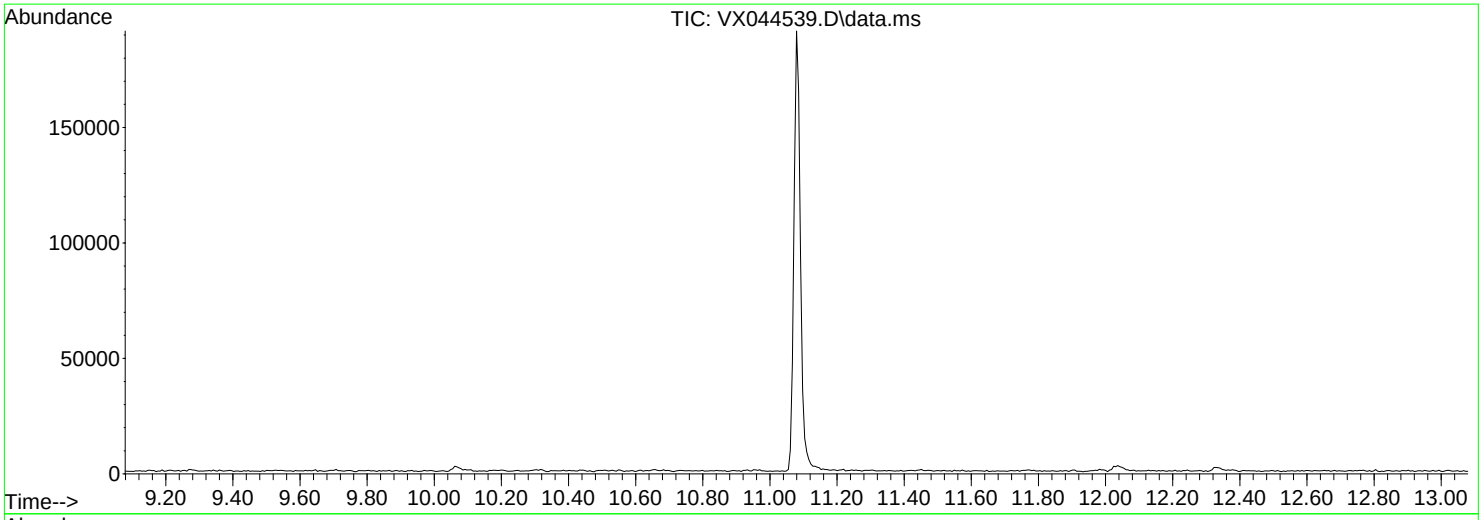
Sample Results: **VX044539.D**

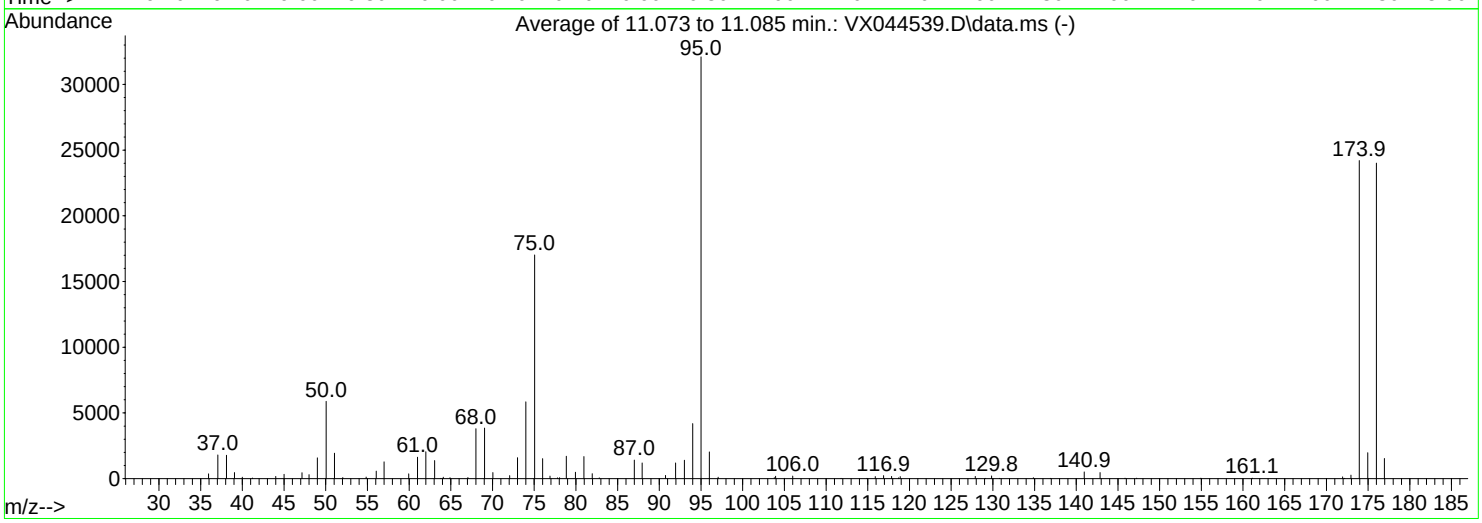
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044539.D
Acq On : 30 Dec 2024 12:39
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Title : SW846 8260
Last Update : Thu Dec 12 04:28:14 2024





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.3	5876	PASS
75	95	30	60	53.0	17024	PASS
95	95	100	100	100.0	32099	PASS
96	95	5	9	6.3	2033	PASS
173	174	0.00	2	1.1	271	PASS
174	95	50	100	75.4	24205	PASS
175	174	5	9	8.2	1978	PASS
176	174	95	101	99.2	24012	PASS
177	176	5	9	6.4	1533	PASS

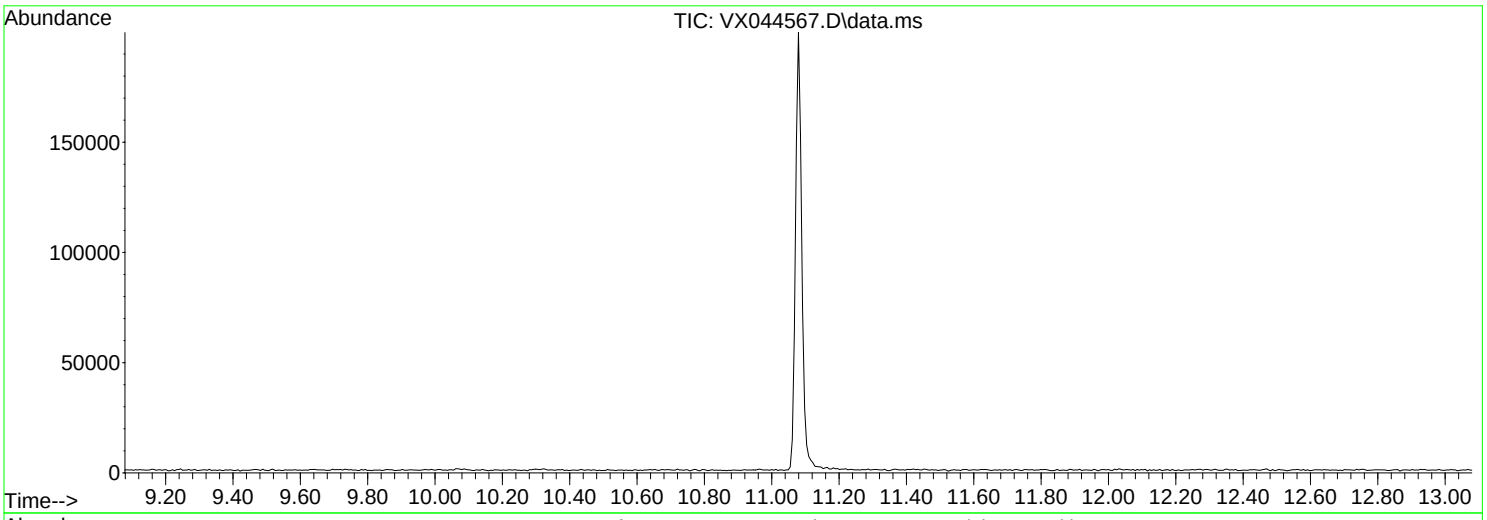
Sample Results: **VX044567.D**

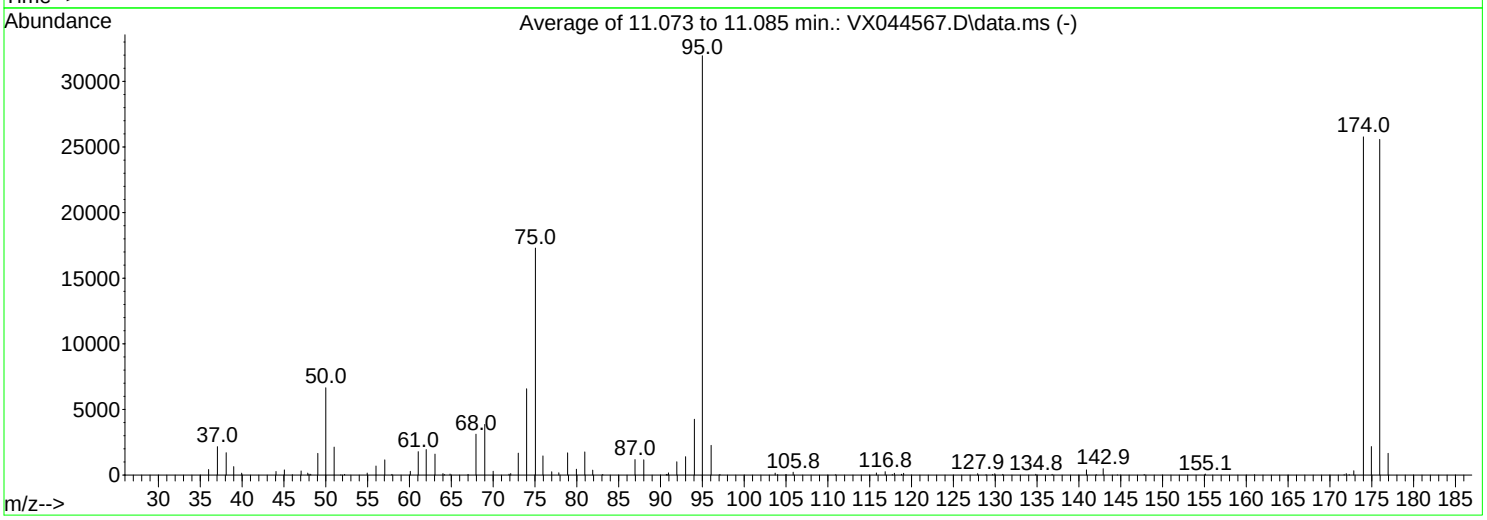
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044567.D
Acq On : 31 Dec 2024 08:07
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Title : SW846 8260
Last Update : Thu Dec 12 04:28:14 2024





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.8	6652	PASS
75	95	30	60	54.1	17298	PASS
95	95	100	100	100.0	31955	PASS
96	95	5	9	7.1	2267	PASS
173	174	0.00	2	1.3	331	PASS
174	95	50	100	80.7	25773	PASS
175	174	5	9	8.4	2174	PASS
176	174	95	101	99.2	25579	PASS
177	176	5	9	6.5	1656	PASS

Raw Data: **VX044542.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1231WBL01	SDG No.:	P5376
Lab Sample ID:	VX1231WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044542.D	1		12/30/24 14:26	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX044542.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1231WBL01	SDG No.:	P5376
Lab Sample ID:	VX1231WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044542.D	1		12/30/24 14:26	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.7		81 - 118		91%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	55.2		89 - 112		110%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	117000	5.55				
540-36-3	1,4-Difluorobenzene	201000	6.757				
3114-55-4	Chlorobenzene-d5	173000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	71700	12.018				

Raw Data: **VX044542.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1231WBL01	SDG No.:	P5376
Lab Sample ID:	VX1231WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044542.D	1		12/30/24 14:26	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Sample Results: **VX044542.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044542.D
Acq On : 30 Dec 2024 14:26
Operator : JC/MD
Sample : VX1231WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBL01

Quant Time: Dec 31 00:28:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.550	168	117464	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	200538	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.055	117	172503	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71731	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.952	65	94080	45.680 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.360%		
35) Dibromofluoromethane	5.385	113	71368	51.384 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.760%		
50) Toluene-d8	8.647	98	258440	55.154 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.300%		
62) 4-Bromofluorobenzene	11.079	95	83152	50.785 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.580%		

Target Compounds Qvalue

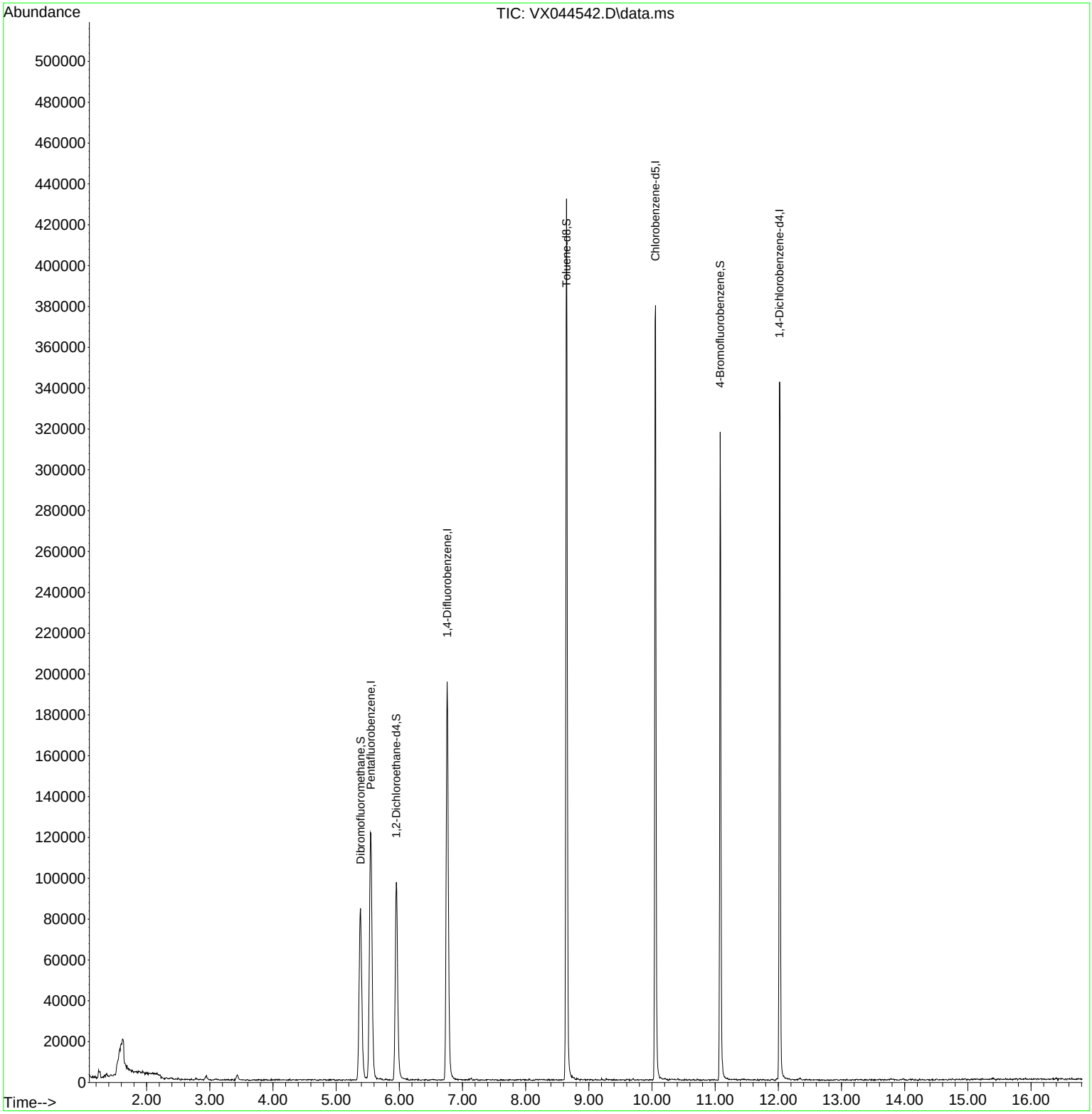
(#) = qualifier out of range (m) = manual integration (+) = signals summed

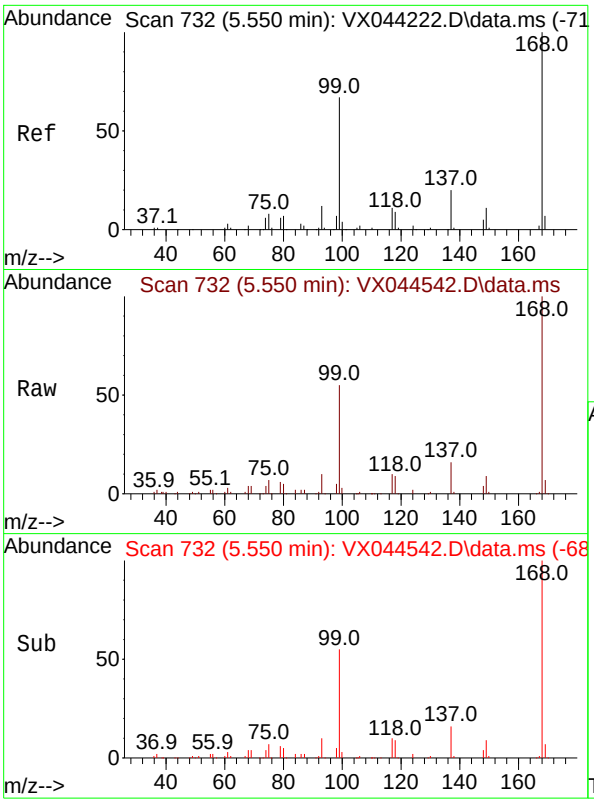
Sample Results: **VX044542.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044542.D
Acq On : 30 Dec 2024 14:26
Operator : JC/MD
Sample : VX1231WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBL01

Quant Time: Dec 31 00:28:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



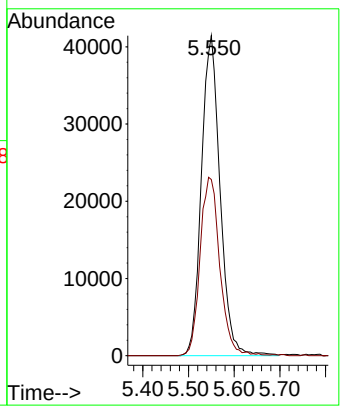


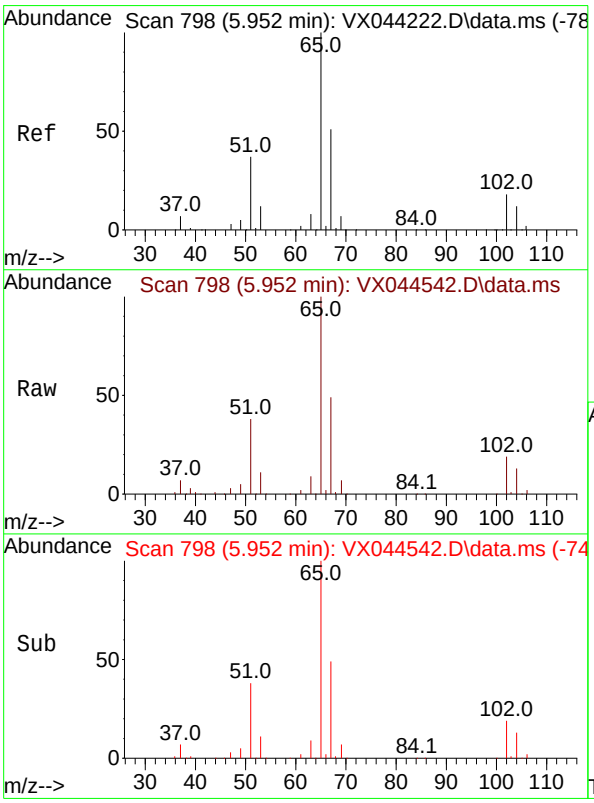
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044542.D
Acq: 30 Dec 2024 14:26

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBL01

Tgt Ion:168 Resp: 117464

Ion	Ratio	Lower	Upper
168	100		
99	55.0	53.4	80.0

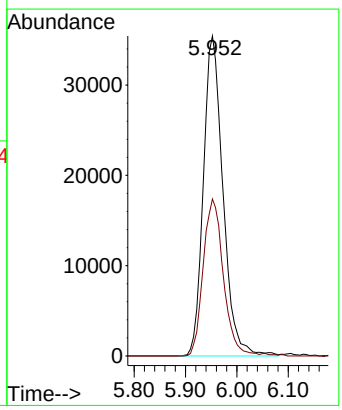


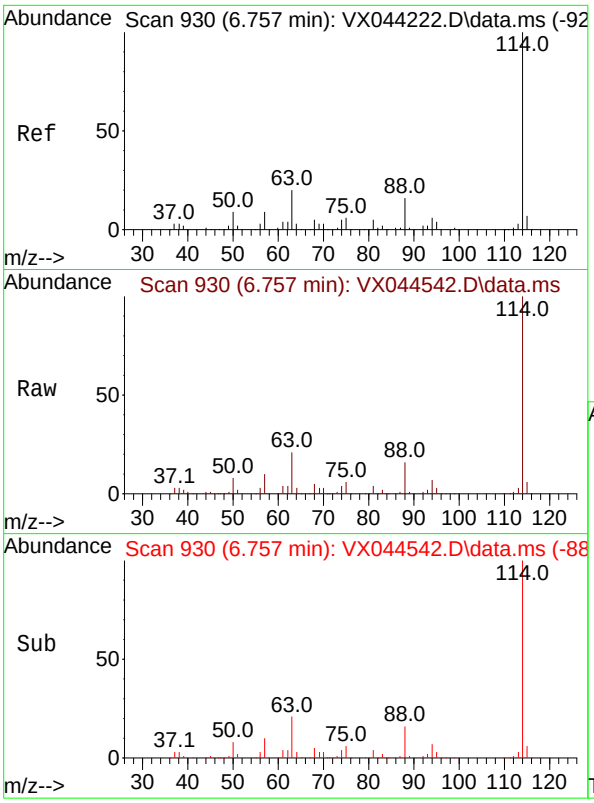


#33
1,2-Dichloroethane-d4
Concen: 45.680 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX044542.D
Acq: 30 Dec 2024 14:26

Tgt Ion: 65 Resp: 94080

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	101.6



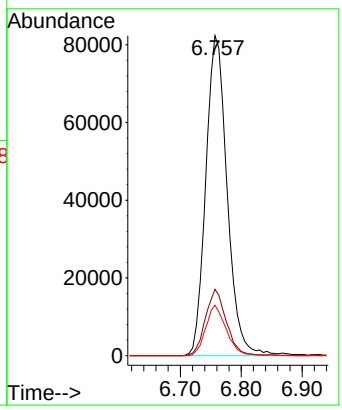


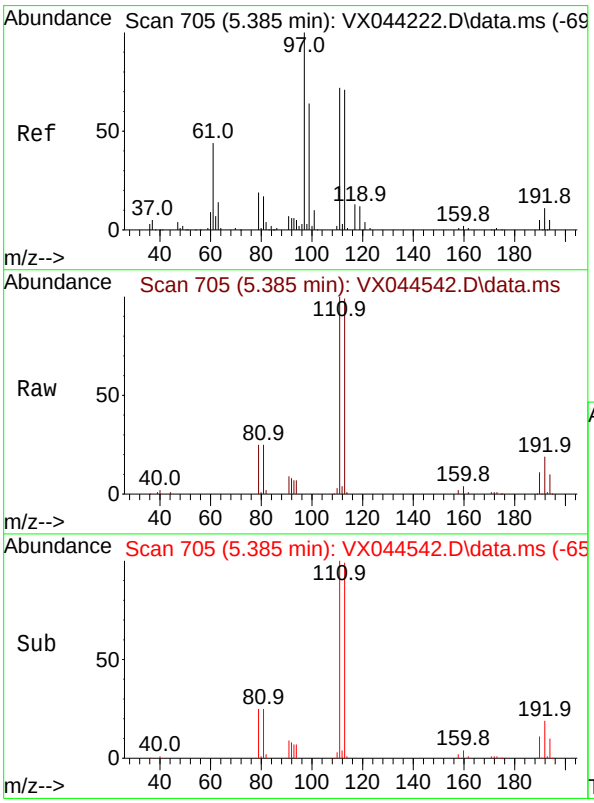
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX044542.D
Acq: 30 Dec 2024 14:26

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBL01

Tgt Ion:114 Resp: 200538

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.6
88	15.8	0.0	31.8

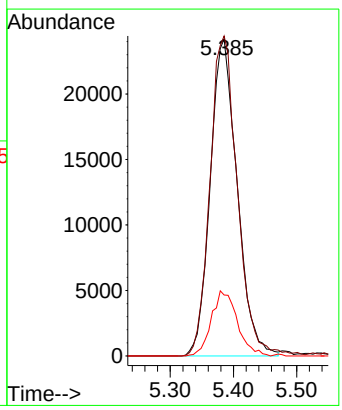


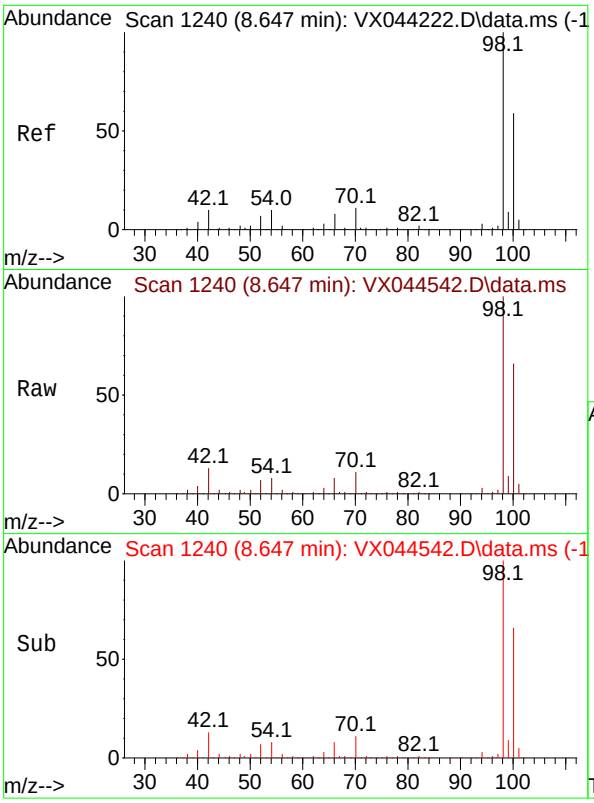


#35
Dibromofluoromethane
Concen: 51.384 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX044542.D
Acq: 30 Dec 2024 14:26

Tgt Ion:113 Resp: 71368

Ion	Ratio	Lower	Upper
113	100		
111	102.9	80.4	120.6
192	19.8	13.3	19.9



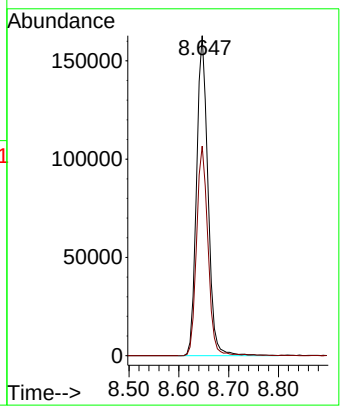


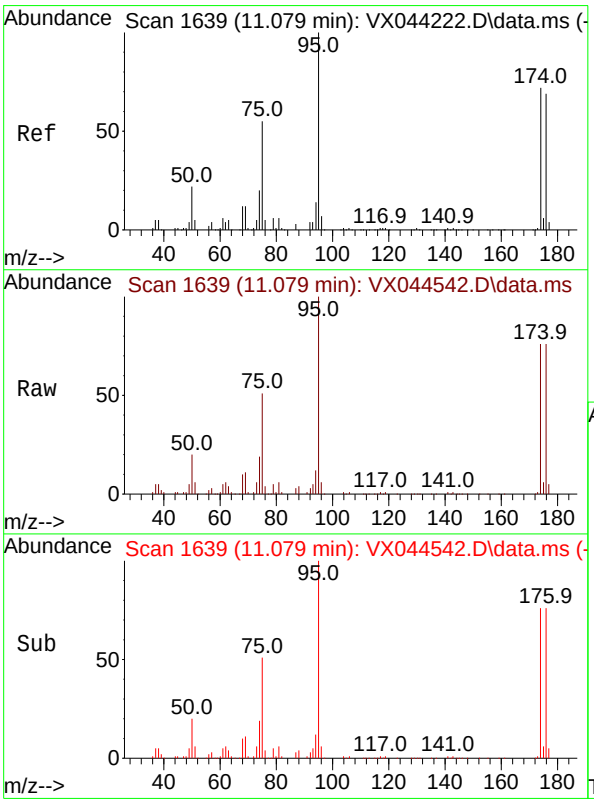
#50
Toluene-d8
Concen: 55.154 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044542.D
Acq: 30 Dec 2024 14:26

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBL01

Tgt Ion: 98 Resp: 258440

Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.5	77.3

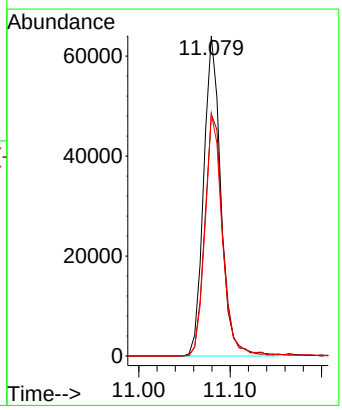


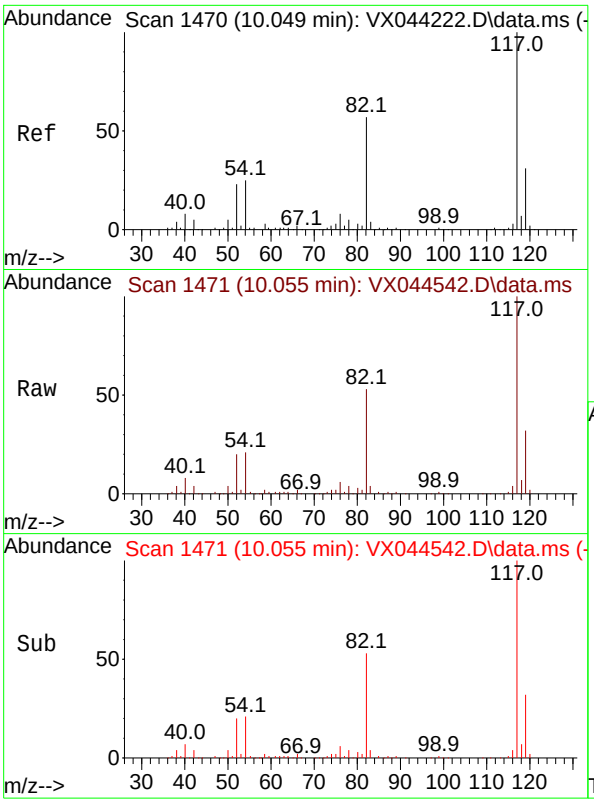


#62
4-Bromofluorobenzene
Concen: 50.785 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044542.D
Acq: 30 Dec 2024 14:26

Tgt Ion: 95 Resp: 83152

Ion	Ratio	Lower	Upper
95	100		
174	80.0	0.0	145.8
176	76.4	0.0	137.8



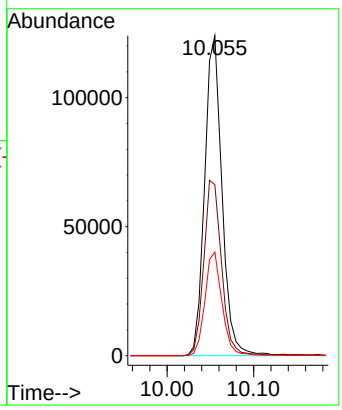


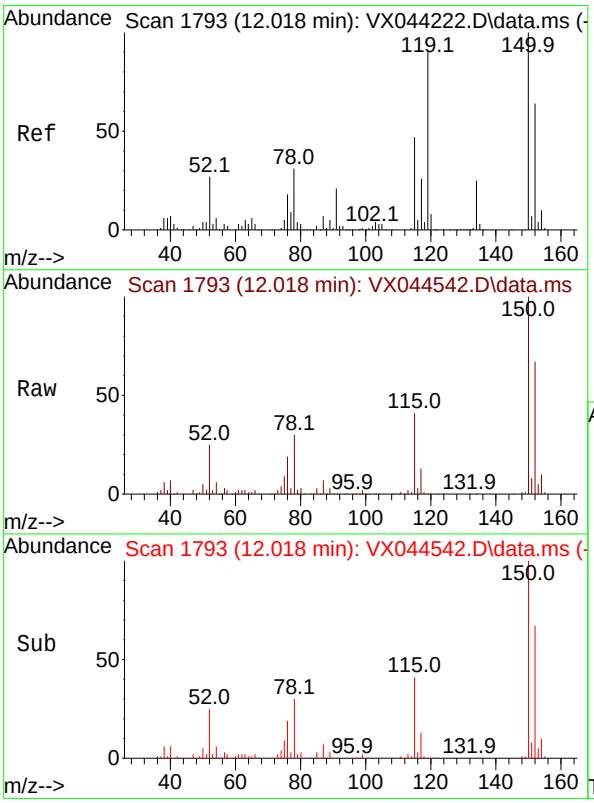
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044542.D
Acq: 30 Dec 2024 14:26

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBL01

Tgt Ion:117 Resp: 172503

Ion	Ratio	Lower	Upper
117	100		
82	53.5	45.8	68.8
119	32.4	25.0	37.4

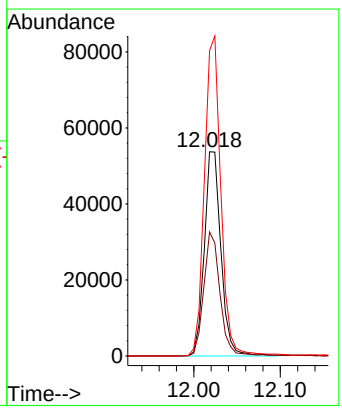




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044542.D
Acq: 30 Dec 2024 14:26

Tgt Ion:152 Resp: 71731

Ion	Ratio	Lower	Upper
152	100		
115	59.4	44.5	133.3
150	154.9	0.0	353.8



Raw Data: **VX044570.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1231WBL02	SDG No.:	P5376
Lab Sample ID:	VX1231WBL02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044570.D	1		12/31/24 10:49	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX044570.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1231WBL02	SDG No.:	P5376
Lab Sample ID:	VX1231WBL02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044570.D	1		12/31/24 10:49	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.3		81 - 118		85%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	52.8		89 - 112		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	129000	5.544				
540-36-3	1,4-Difluorobenzene	217000	6.757				
3114-55-4	Chlorobenzene-d5	189000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	80000	12.018				

Raw Data: **VX044570.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1231WBL02	SDG No.:	P5376
Lab Sample ID:	VX1231WBL02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044570.D	1		12/31/24 10:49	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Sample Results: **VX044570.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044570.D
Acq On : 31 Dec 2024 10:49
Operator : JC/MD
Sample : VX1231WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBL02

Quant Time: Jan 01 01:36:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	128703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	217401	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	189142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	80019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95381	42.268	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 84.540%			
35) Dibromofluoromethane	5.379	113	75909	50.414	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.820%			
50) Toluene-d8	8.647	98	268209	52.799	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.600%			
62) 4-Bromofluorobenzene	11.079	95	84593	47.658	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.320%			

Target Compounds Qvalue

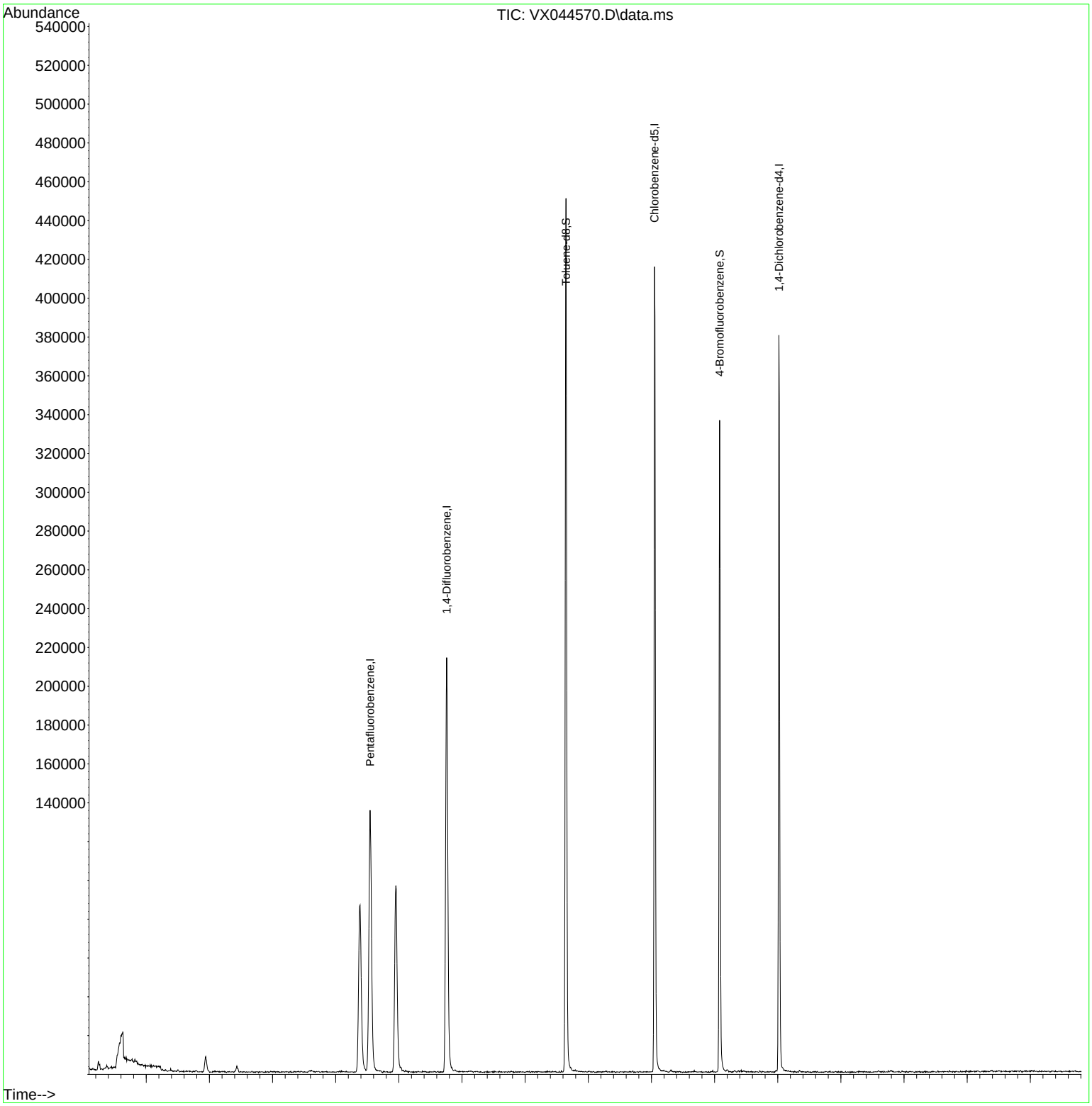
(#) = qualifier out of range (m) = manual integration (+) = signals summed

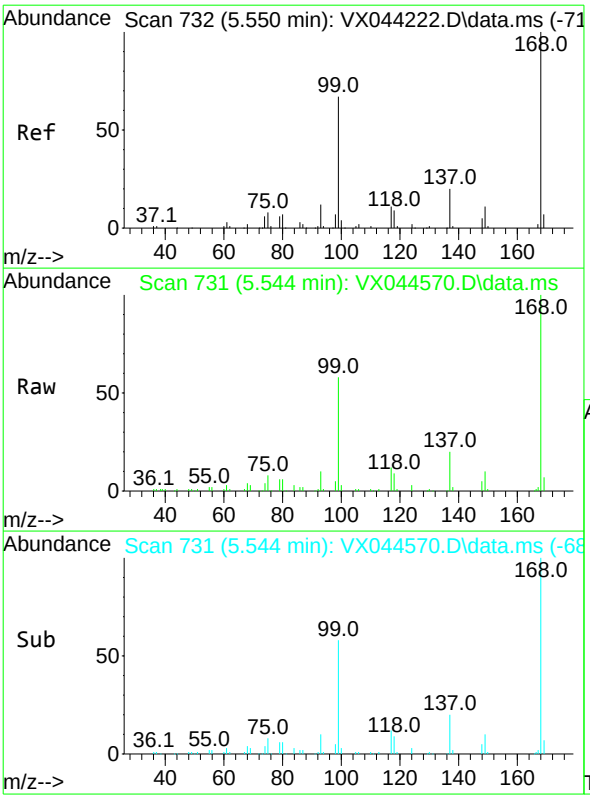
Sample Results: **VX044570.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044570.D
Acq On : 31 Dec 2024 10:49
Operator : JC/MD
Sample : VX1231WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBL02

Quant Time: Jan 01 01:36:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



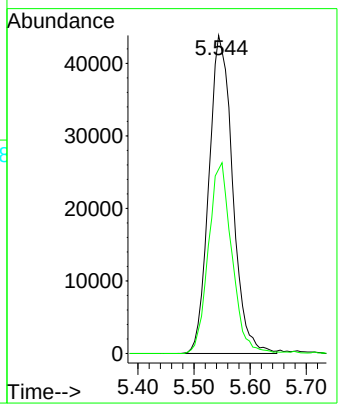


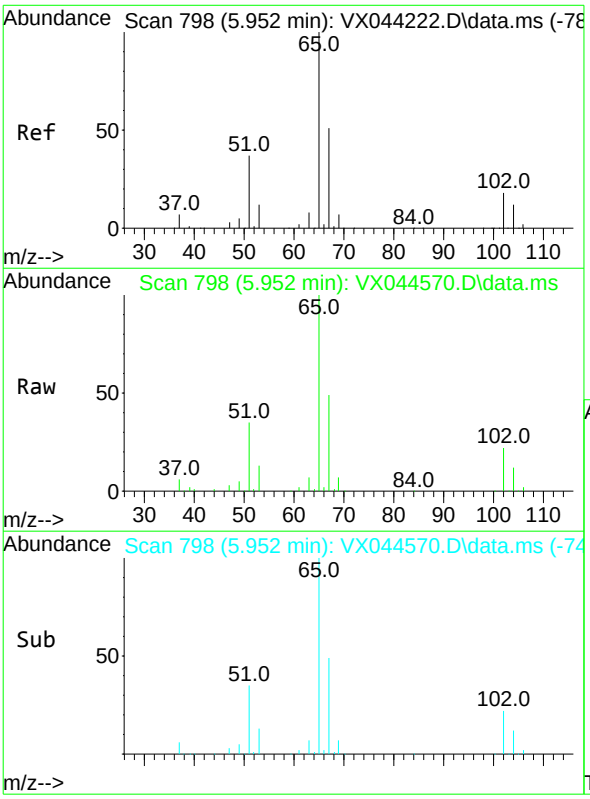
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044570.D
Acq: 31 Dec 2024 10:49

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBL02

Tgt Ion:168 Resp: 128703

Ion	Ratio	Lower	Upper
168	100		
99	57.9	53.4	80.0

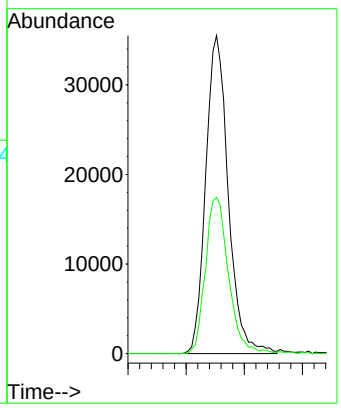


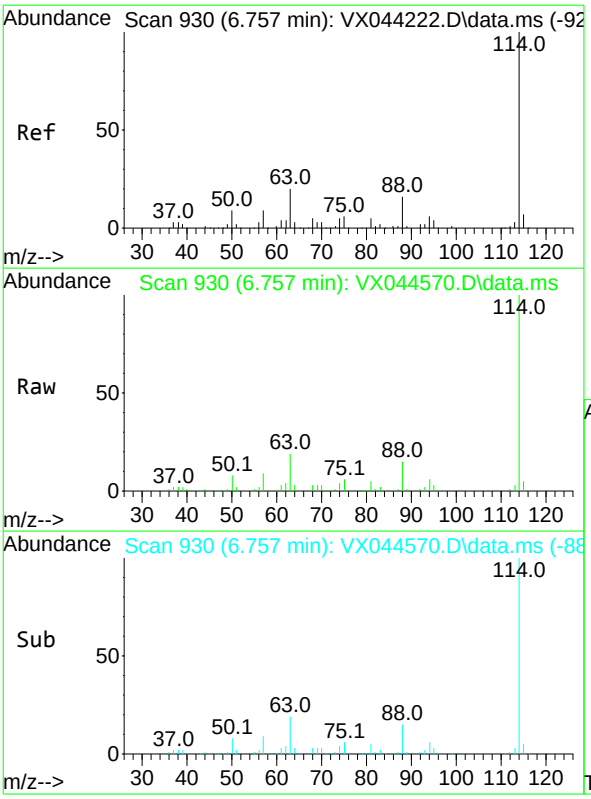


#33
1,2-Dichloroethane-d4
Concen: 42.268 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX044570.D
Acq: 31 Dec 2024 10:49

Tgt Ion: 65 Resp: 95381

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	101.6



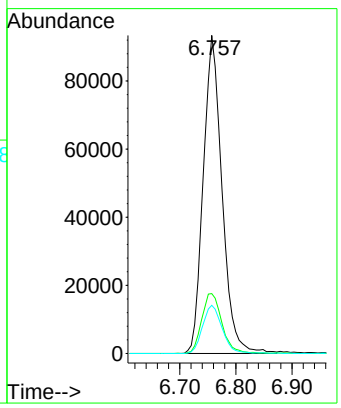


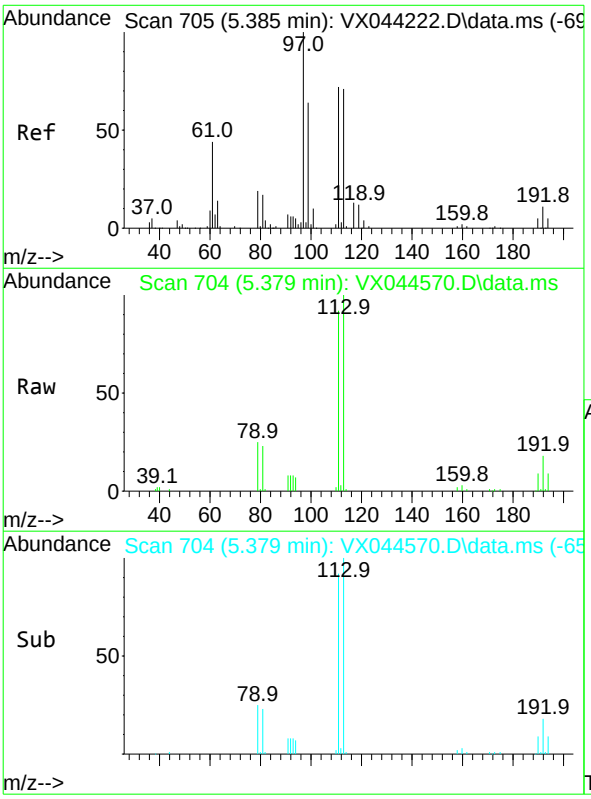
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX044570.D
Acq: 31 Dec 2024 10:49

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBL02

Tgt Ion:114 Resp: 217401

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	40.6
88	15.1	0.0	31.8

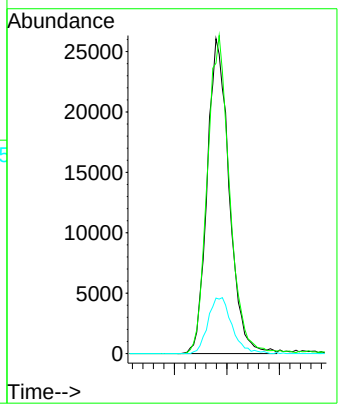


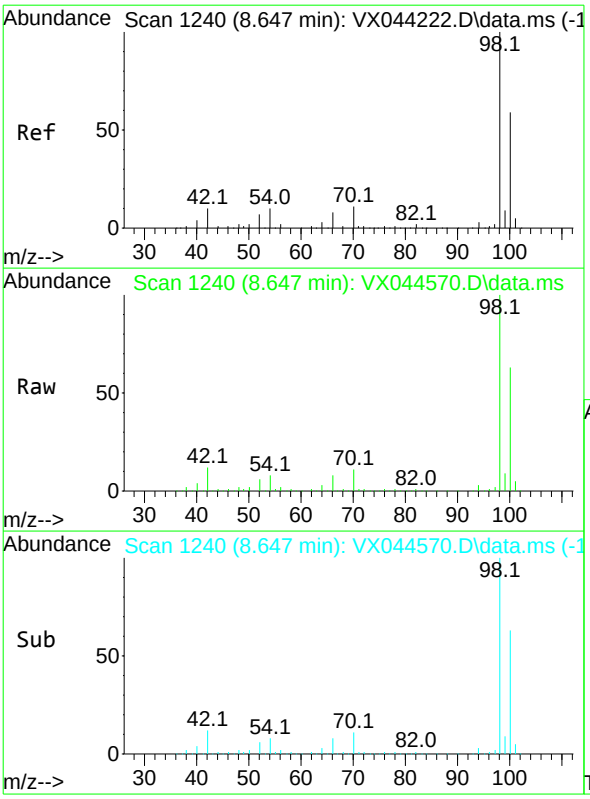


#35
Dibromofluoromethane
Concen: 50.414 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX044570.D
Acq: 31 Dec 2024 10:49

Tgt Ion:113 Resp: 75909

Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.4	120.6
192	19.3	13.3	19.9



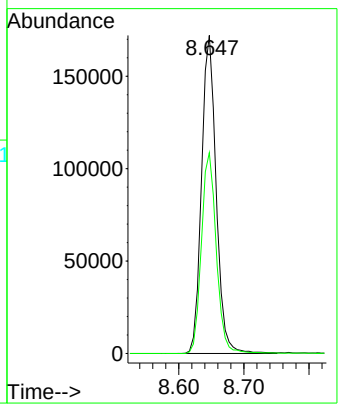


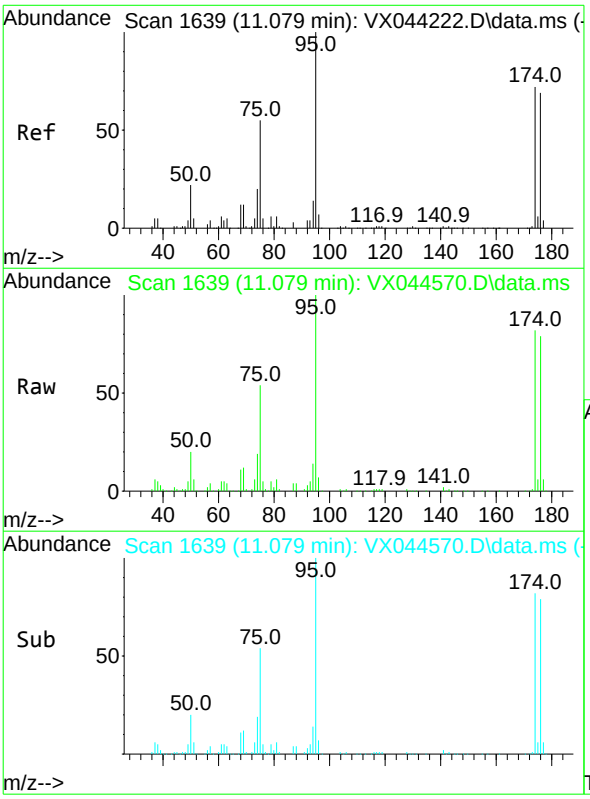
#50
Toluene-d8
Concen: 52.799 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044570.D
Acq: 31 Dec 2024 10:49

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBL02

Tgt Ion: 98 Resp: 268209

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.5	77.3

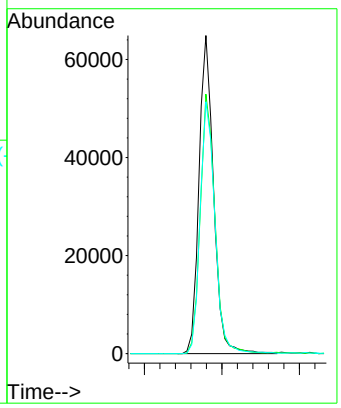


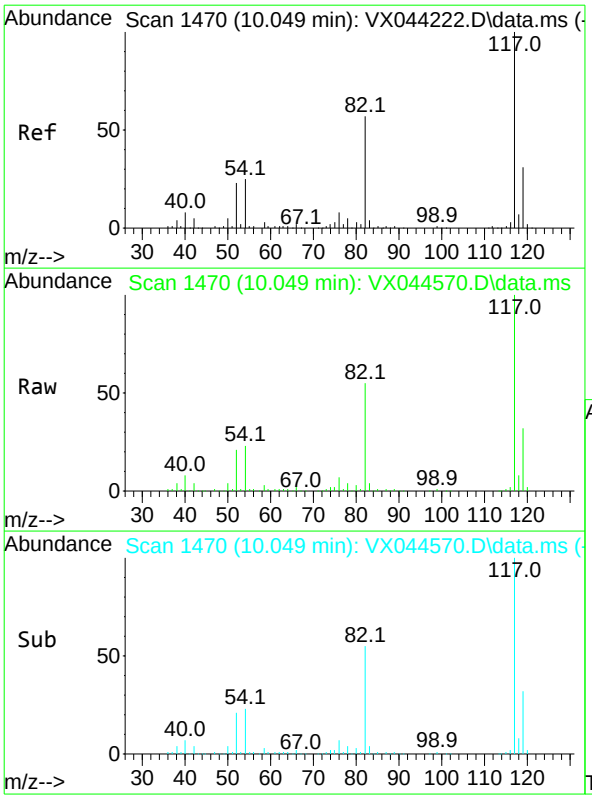


#62
4-Bromofluorobenzene
Concen: 47.658 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044570.D
Acq: 31 Dec 2024 10:49

Tgt Ion: 95 Resp: 84593

Ion	Ratio	Lower	Upper
95	100		
174	81.9	0.0	145.8
176	80.9	0.0	137.8



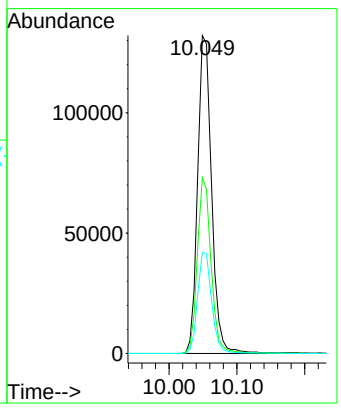


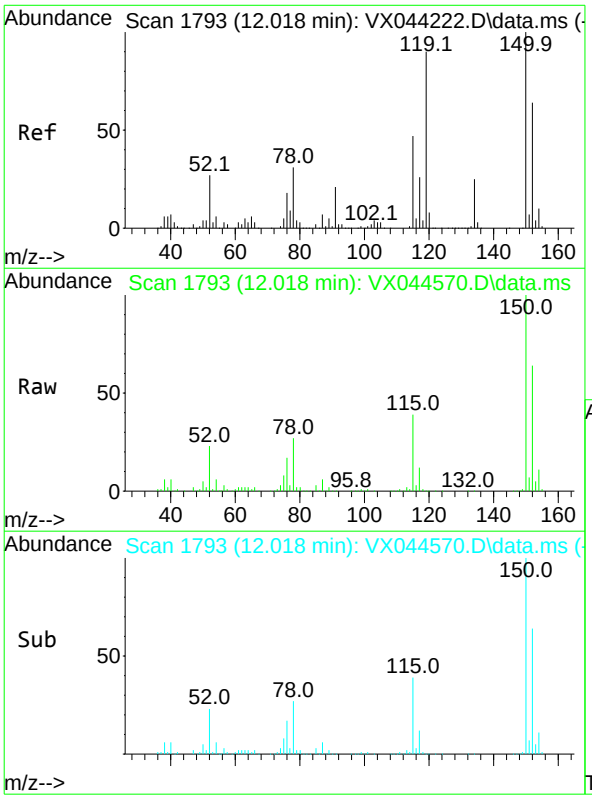
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044570.D
Acq: 31 Dec 2024 10:49

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBL02

Tgt Ion:117 Resp: 189142

Ion	Ratio	Lower	Upper
117	100		
82	55.3	45.8	68.8
119	31.8	25.0	37.4

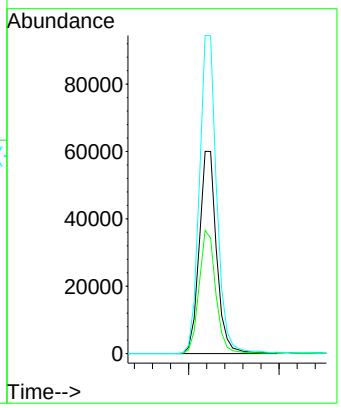




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044570.D
Acq: 31 Dec 2024 10:49

Tgt Ion:152 Resp: 80019

Ion	Ratio	Lower	Upper
152	100		
115	58.7	44.5	133.3
150	157.0	0.0	353.8



Raw Data: **VX044543.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1231WBS01	SDG No.:	P5376
Lab Sample ID:	VX1231WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044543.D	1		12/30/24 14:54	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	16.4		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	15.8		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.6		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	15.6		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	17.2		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	14.9		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.2		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.6		0.26	0.75	1.00	ug/L
67-64-1	Acetone	74.3		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	14.7		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	16.6		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	17.6		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	17.4		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.2		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.4		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	16.4		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	80.3		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.9		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.2		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	16.9		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	16.8		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	16.9		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	19.1		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.3		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.7		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.9		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.8		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	18.7		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	90.7		0.75	2.50	5.00	ug/L
108-88-3	Toluene	18.9		0.18	0.50	1.00	ug/L

Raw Data: **VX044543.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1231WBS01	SDG No.:	P5376
Lab Sample ID:	VX1231WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044543.D	1		12/30/24 14:54	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	17.9		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.2		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.2		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	91.0		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	18.8		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.0		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	20.7		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.3		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.0		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.4		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	19.1		0.14	0.50	1.00	ug/L
100-42-5	Styrene	19.5		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	20.0		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.5		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.4		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.5		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.0		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.4		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.6		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.7		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.6		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.4		81 - 118		85%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.7		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	154000	5.543				
540-36-3	1,4-Difluorobenzene	254000	6.757				
3114-55-4	Chlorobenzene-d5	220000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	101000	12.024				

Raw Data: **VX044543.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1231WBS01	SDG No.:	P5376
Lab Sample ID:	VX1231WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044543.D	1		12/30/24 14:54	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Sample Results: **VX044543.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044543.D
Acq On : 30 Dec 2024 14:54
Operator : JC/MD
Sample : VX1231WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Quant Time: Dec 31 00:28:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.543	168	153746	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	254154	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.055	117	219785	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100843	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.952	65	114312	42.406 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 84.820%		
35) Dibromofluoromethane	5.385	113	90038	51.151 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.300%		
50) Toluene-d8	8.646	98	301165	50.713 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.420%		
62) 4-Bromofluorobenzene	11.079	95	103985	50.111 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.220%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.166	85	39021	16.414 ug/l	97
3) Chloromethane	1.300	50	36025	15.847 ug/l	97
4) Vinyl Chloride	1.373	62	39305	16.596 ug/l	97
5) Bromomethane	1.593	94	26141	15.558 ug/l	99
6) Chloroethane	1.666	64	25379	17.209 ug/l	91
7) Trichlorofluoromethane	1.873	101	69078	14.898 ug/l	100
8) Diethyl Ether	2.135	74	28126	17.771 ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	34139	18.196 ug/l	94
10) Methyl Iodide	2.440	142	44638	18.052 ug/l	97
11) Tert butyl alcohol	2.983	59	30824	81.134 ug/l	96
12) 1,1-Dichloroethene	2.306	96	31973	18.553 ug/l	94
13) Acrolein	2.233	56	65679	119.429 ug/l	99
14) Allyl chloride	2.654	41	47046	16.390 ug/l	97
15) Acrylonitrile	3.068	53	91236	86.695 ug/l	98
16) Acetone	2.385	43	81705	74.346 ug/l	96
17) Carbon Disulfide	2.501	76	48174	14.706 ug/l	99
18) Methyl Acetate	2.702	43	49803	17.576 ug/l	96
19) Methyl tert-butyl Ether	3.111	73	111711	16.611 ug/l	100
20) Methylene Chloride	2.782	84	35960	17.421 ug/l	92
21) trans-1,2-Dichloroethene	3.080	96	31555	17.229 ug/l	94
22) Diisopropyl ether	3.763	45	105148	16.268 ug/l	95
23) Vinyl Acetate	3.720	43	443441	84.386 ug/l	99
24) 1,1-Dichloroethane	3.605	63	62553	17.362 ug/l	97
25) 2-Butanone	4.562	43	125426	80.280 ug/l	98
26) 2,2-Dichloropropane	4.470	77	50413	17.223 ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	39939	17.170 ug/l	95
28) Bromochloromethane	4.897	49	29914	16.932 ug/l	94
29) Tetrahydrofuran	5.007	42	80671	80.443 ug/l	97
30) Chloroform	5.086	83	68047	16.810 ug/l	100
31) Cyclohexane	5.458	56	47583	16.355 ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	56892	16.931 ug/l	99
36) 1,1-Dichloropropene	5.690	75	41811	18.376 ug/l	97
37) Ethyl Acetate	4.720	43	48902	17.387 ug/l	99
38) Carbon Tetrachloride	5.665	117	46337	18.916 ug/l	99
39) Methylcyclohexane	7.372	83	52019	19.124 ug/l	97
40) Benzene	6.031	78	133403	19.310 ug/l	100

Sample Results: **VX044543.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044543.D
Acq On : 30 Dec 2024 14:54
Operator : JC/MD
Sample : VX1231WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 31 00:28:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.921	41	26206	17.547 ug/l	95
42) 1,2-Dichloroethane	6.080	62	53308	18.732 ug/l	97
43) Isopropyl Acetate	6.342	43	77717	17.679 ug/l	97
44) Trichloroethene	7.122	130	34218	19.862 ug/l	99
45) 1,2-Dichloropropane	7.427	63	33258	18.843 ug/l	99
46) Dibromomethane	7.580	93	26469	19.331 ug/l	93
47) Bromodichloromethane	7.817	83	44308	18.736 ug/l	99
48) Methyl methacrylate	7.695	41	38081	17.845 ug/l	99
49) 1,4-Dioxane	7.665	88	11920m	336.907 ug/l	
51) 4-Methyl-2-Pentanone	8.573	43	256481	90.739 ug/l	99
52) Toluene	8.713	92	81853	18.868 ug/l	98
53) t-1,3-Dichloropropene	8.976	75	42464	17.946 ug/l	92
54) cis-1,3-Dichloropropene	8.366	75	49386	19.180 ug/l	97
55) 1,1,2-Trichloroethane	9.152	97	34756	20.166 ug/l	97
56) Ethyl methacrylate	9.116	69	48658	17.884 ug/l	99
57) 1,3-Dichloropropane	9.305	76	57049	19.017 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	113825	82.945 ug/l	98
59) 2-Hexanone	9.433	43	186080	90.950 ug/l	98
60) Dibromochloromethane	9.518	129	31945	18.797 ug/l	99
61) 1,2-Dibromoethane	9.610	107	35083	19.998 ug/l	97
64) Tetrachloroethene	9.268	164	30154	20.671 ug/l	97
65) Chlorobenzene	10.079	112	91014	19.326 ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.164	131	30176	19.937 ug/l	99
67) Ethyl Benzene	10.195	91	154584	18.997 ug/l	97
68) m/p-Xylenes	10.299	106	117637	39.398 ug/l	95
69) o-Xylene	10.640	106	57605	19.067 ug/l	97
70) Styrene	10.652	104	94578	19.528 ug/l	97
71) Bromoform	10.798	173	19071	20.029 ug/l #	100
73) Isopropylbenzene	10.963	105	150815	19.536 ug/l	100
74) N-amyl acetate	10.841	43	60883	17.065 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	52073	19.420 ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	42245m	18.762 ug/l	
77) Bromobenzene	11.201	156	38364	20.493 ug/l	92
78) n-propylbenzene	11.304	91	163660	19.181 ug/l	97
79) 2-Chlorotoluene	11.365	91	104313	18.903 ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	125956	19.674 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	12327	19.517 ug/l	97
82) 4-Chlorotoluene	11.451	91	115520	18.905 ug/l	96
83) tert-Butylbenzene	11.713	119	124037	19.605 ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	125891	20.023 ug/l	99
85) sec-Butylbenzene	11.890	105	152233	19.820 ug/l	98
86) p-Isopropyltoluene	12.006	119	126730	19.824 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	66973	20.481 ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	67120	19.967 ug/l	99
89) n-Butylbenzene	12.329	91	102486	19.065 ug/l	100
90) Hexachloroethane	12.536	117	17305	18.544 ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	65715	19.354 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	8617	16.555 ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	38478	20.671 ug/l	98
94) Hexachlorobutadiene	13.725	225	16427	21.939 ug/l	98
95) Naphthalene	13.774	128	134577	18.521 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	40587	20.557 ug/l	99

Sample Results: **VX044543.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044543.D
Acq On : 30 Dec 2024 14:54
Operator : JC/MD
Sample : VX1231WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 31 00:28:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Sample Results: **VX044543.D**

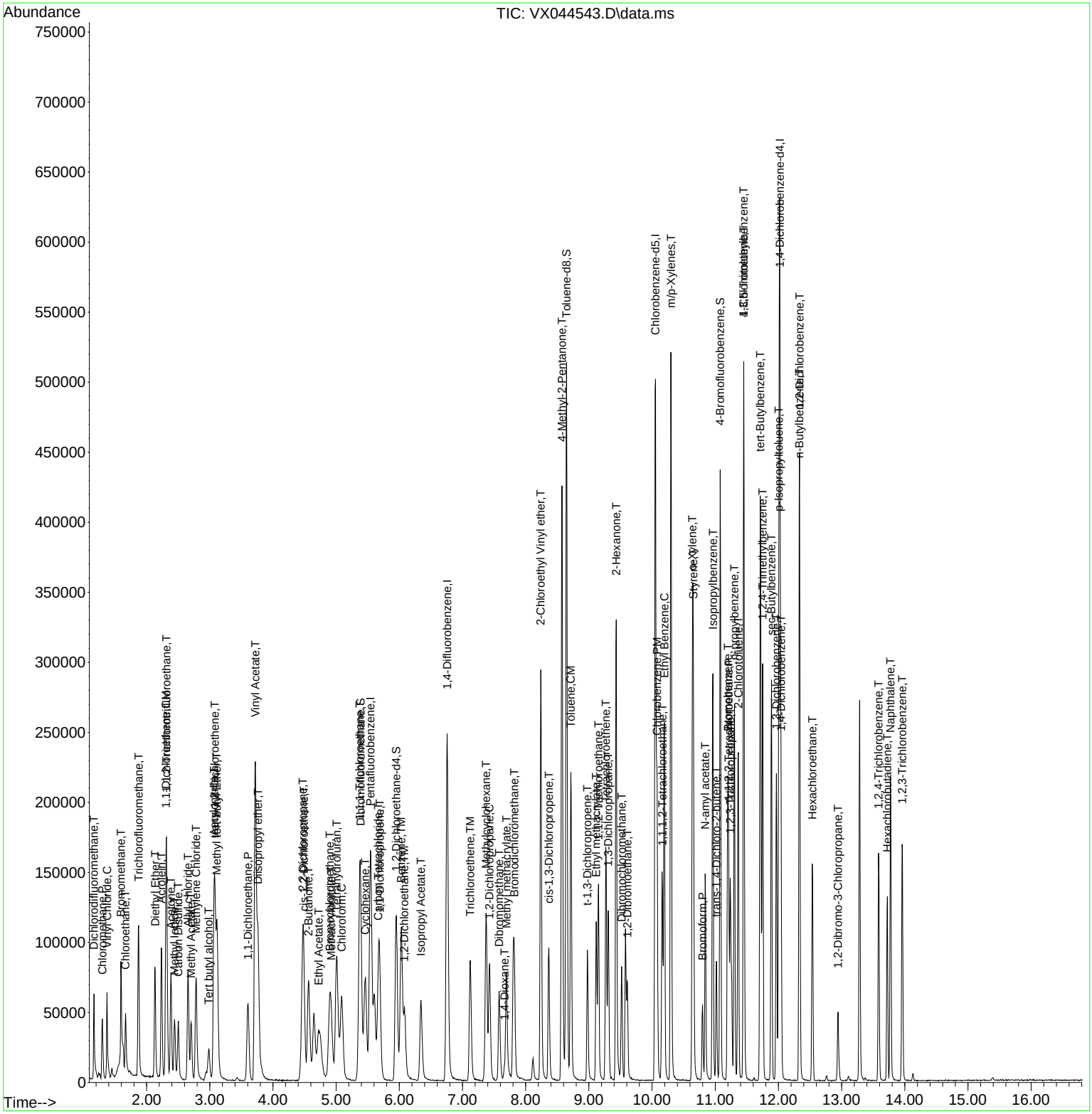
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044543.D
Acq On : 30 Dec 2024 14:54
Operator : JC/MD
Sample : VX1231WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

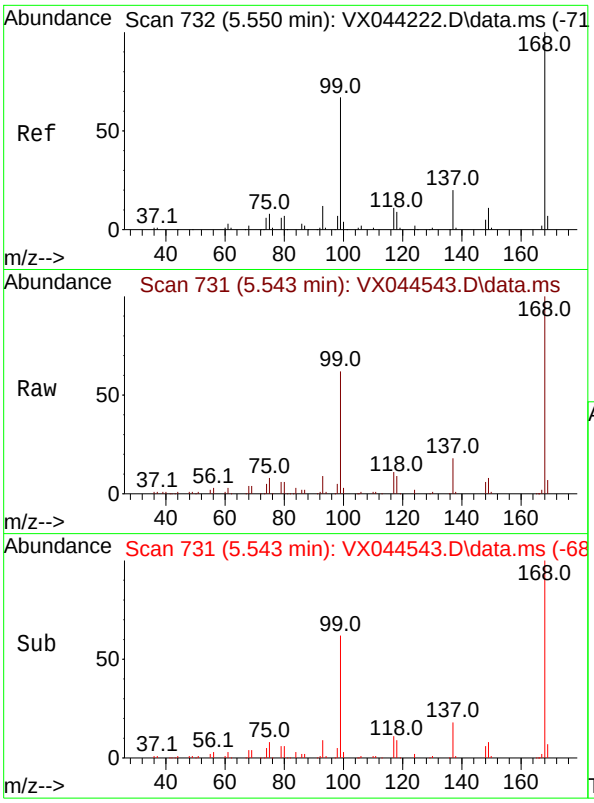
Quant Time: Dec 31 00:28:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

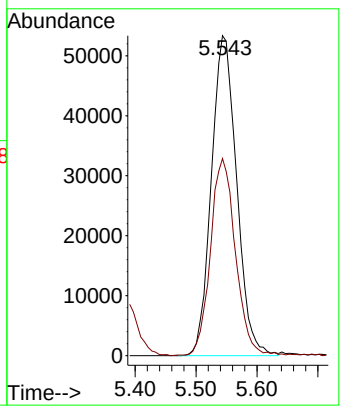
Tgt Ion:168 Resp: 15374

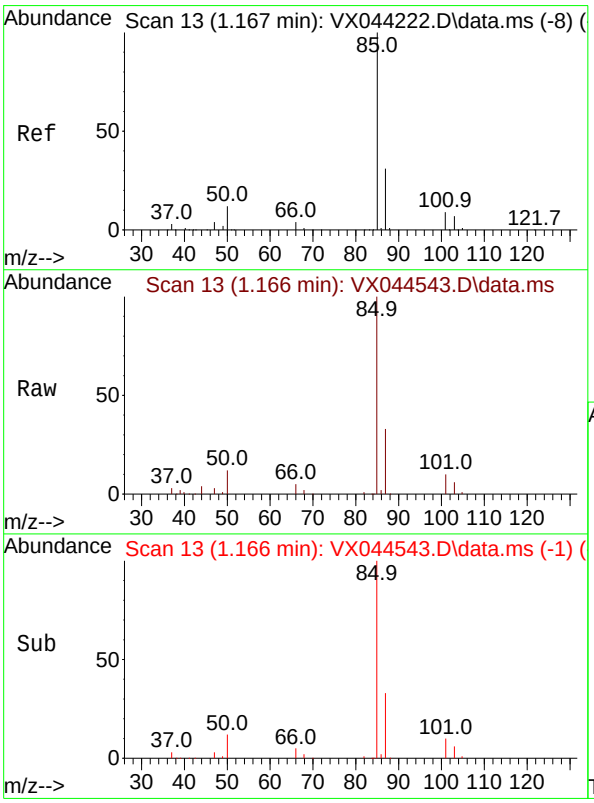
Ion	Ratio	Lower	Upper
168	100		
99	61.4	53.4	80.0

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

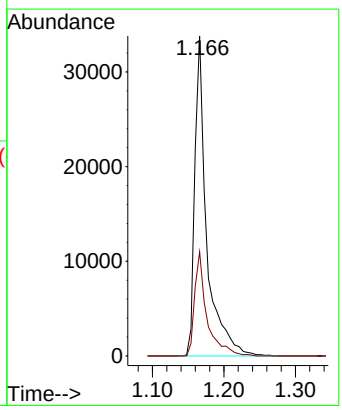


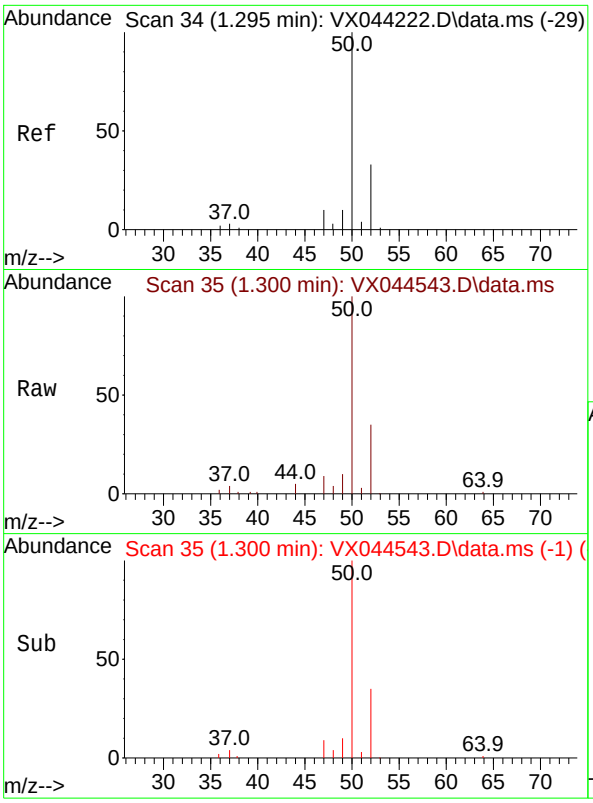


#2
Dichlorodifluoromethane
Concen: 16.414 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 85 Resp: 39021

Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.4	46.4





#3
Chloromethane
Concen: 15.847 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

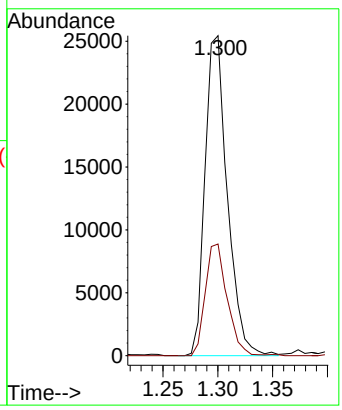
Tgt Ion: 50 Resp: 3602

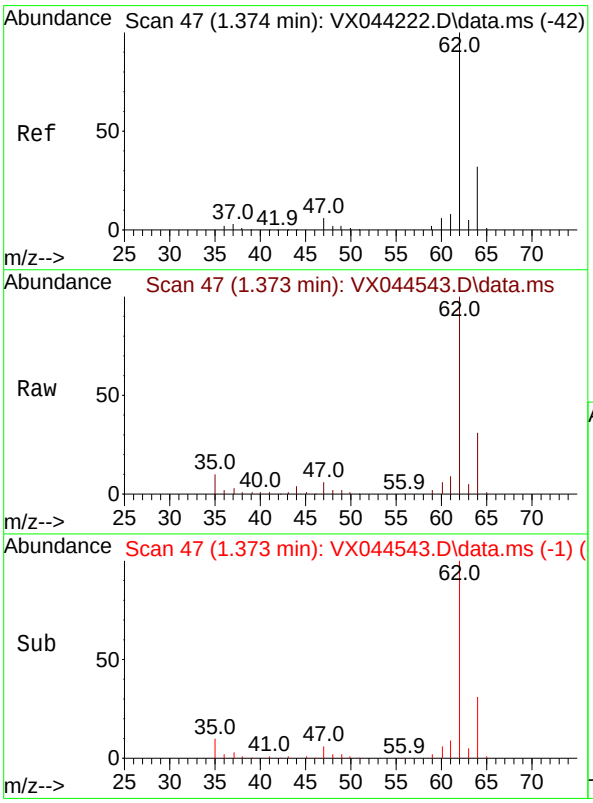
Ion	Ratio	Lower	Upper
50	100		
52	34.9	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

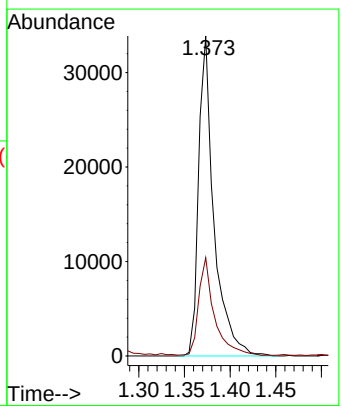


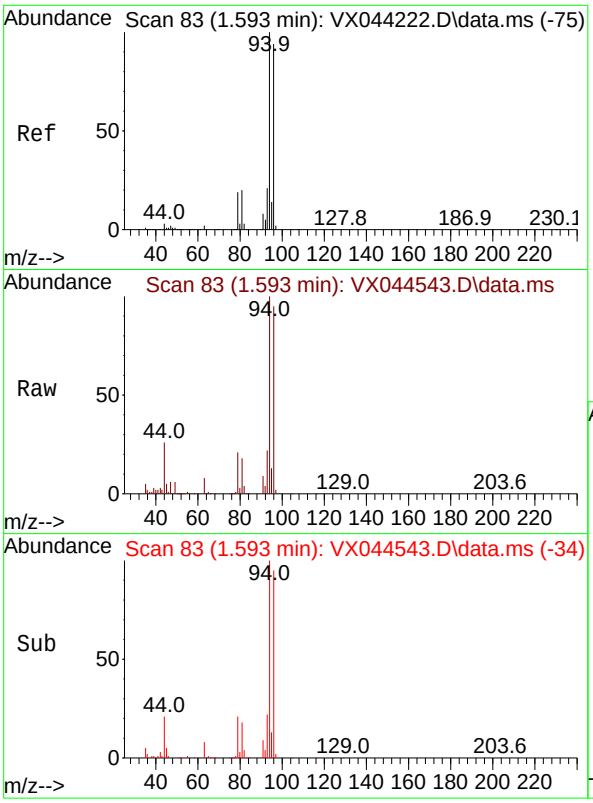


#4
Vinyl Chloride
Concen: 16.596 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 62 Resp: 39305

Ion	Ratio	Lower	Upper
62	100		
64	30.5	25.7	38.5





#5
Bromomethane
Concen: 15.558 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

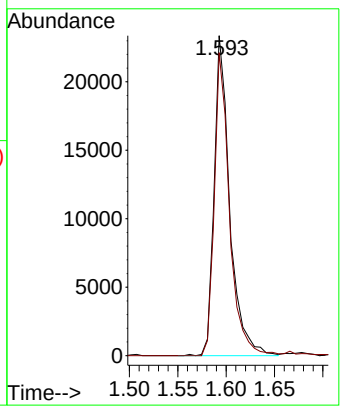
Tgt Ion: 94 Resp: 2614

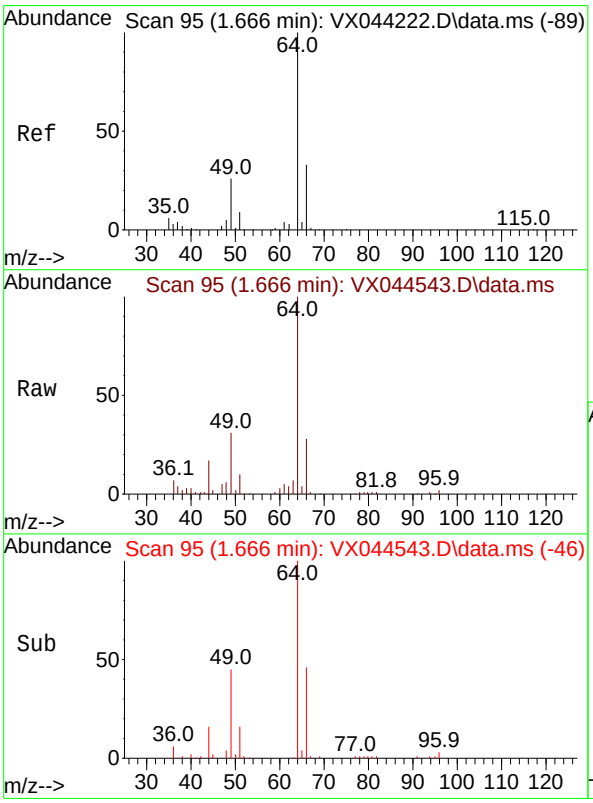
Ion	Ratio	Lower	Upper
94	100		
96	94.7	74.9	112.3

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

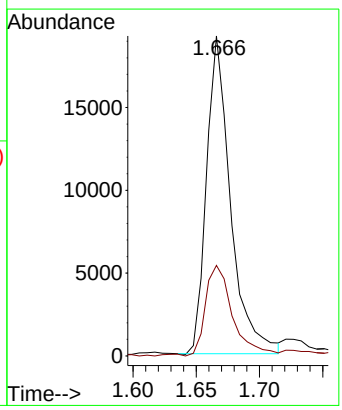


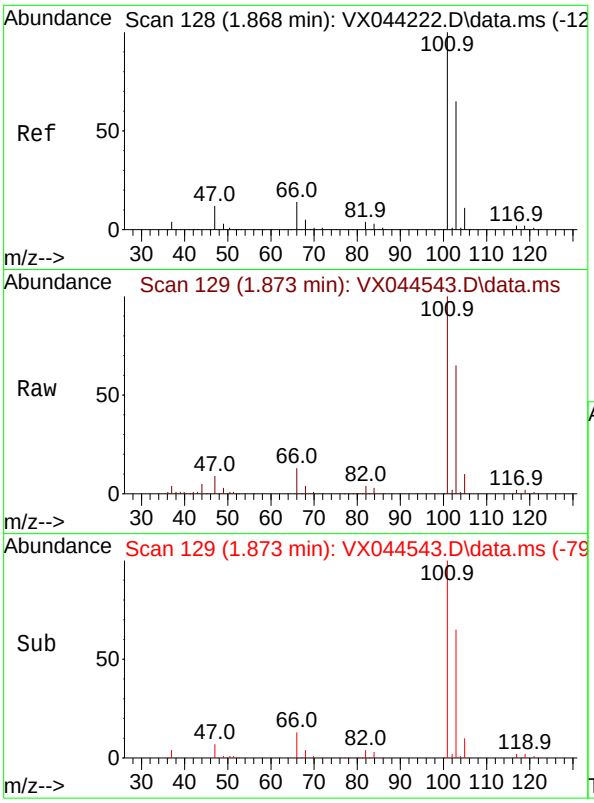


#6
Chloroethane
Concen: 17.209 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 64 Resp: 25379

Ion	Ratio	Lower	Upper
64	100		
66	27.9	26.6	39.8





#7
Trichlorofluoromethane
Concen: 14.898 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:101 Resp: 6907

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.8	77.8

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
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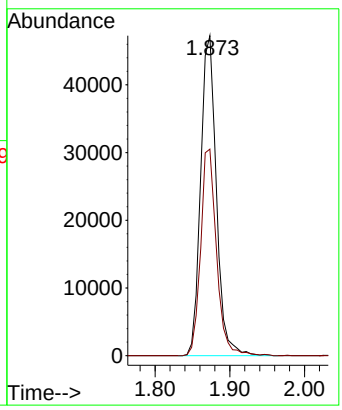
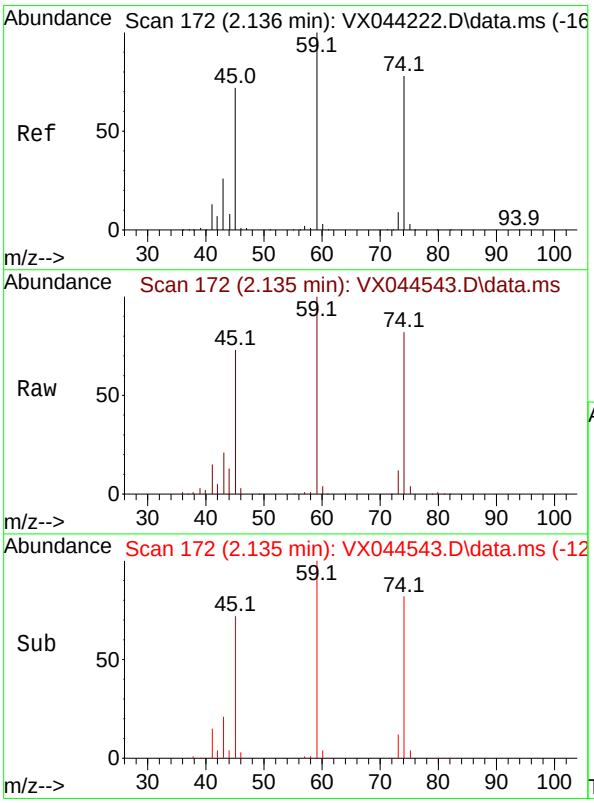
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

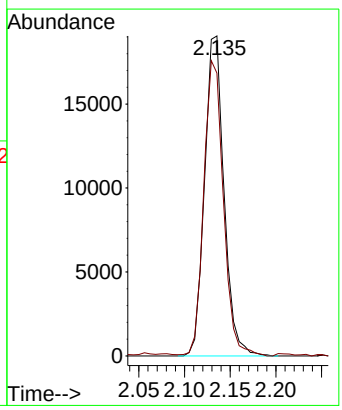


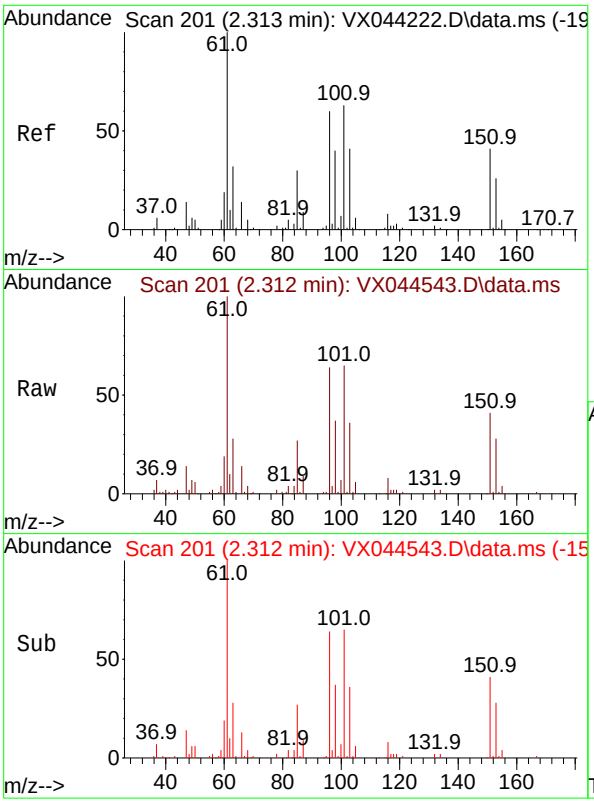


#8
Diethyl Ether
Concen: 17.771 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 74 Resp: 28126

Ion	Ratio	Lower	Upper
74	100		
45	93.1	48.4	145.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.196 ug/l
RT: 2.312 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion:101 Resp: 3413

Ion	Ratio	Lower	Upper
101	100		
85	46.5	38.5	57.7
151	76.3	55.8	83.6

Manual Integrations
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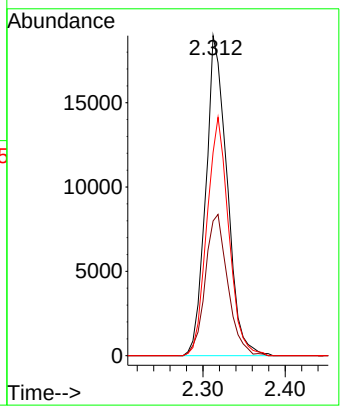
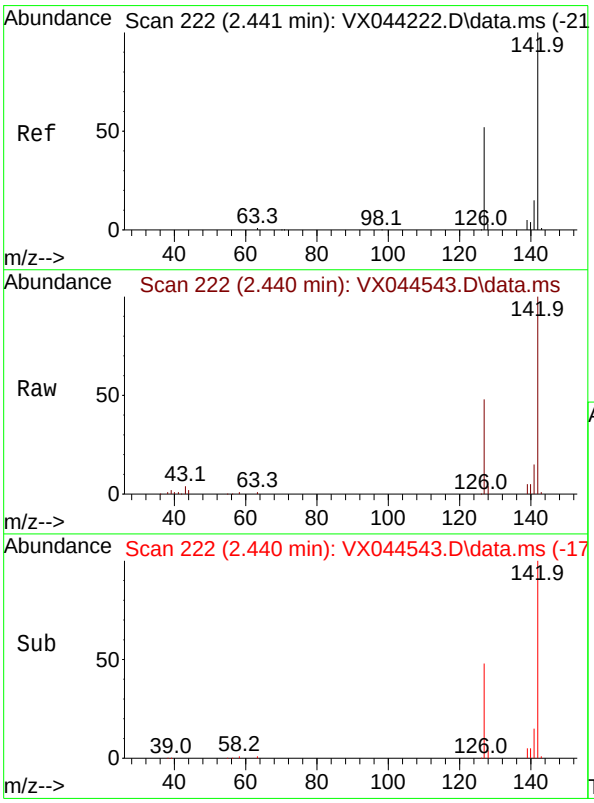
Supervised By :Mahesh Dadoda 12/31/2024

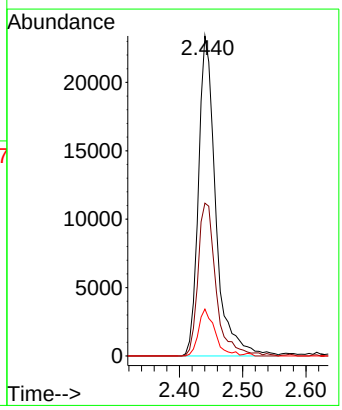


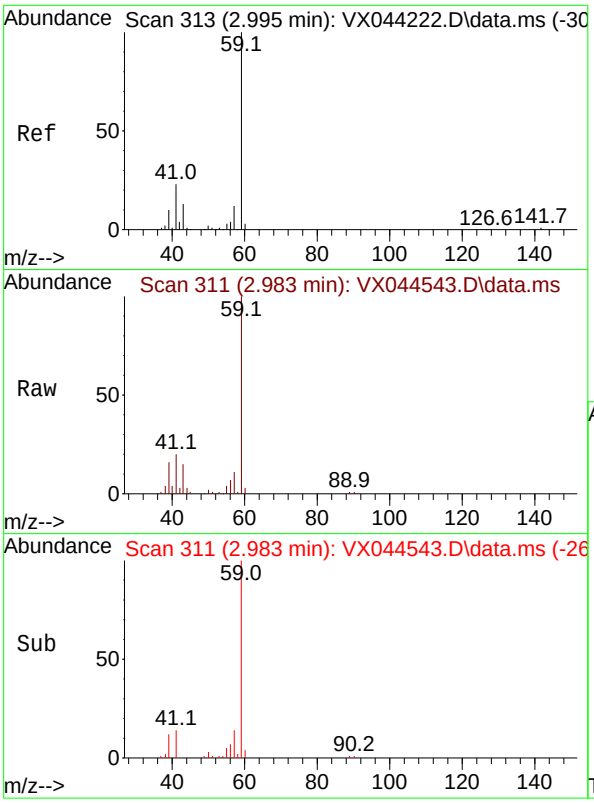


#10
Methyl Iodide
Concen: 18.052 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:142 Resp: 44638

Ion	Ratio	Lower	Upper
142	100		
127	49.7	41.8	62.8
141	14.0	11.5	17.3





#11
Tert butyl alcohol
Concen: 81.134 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.013 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 59 Resp: 3082

Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.8	13.2

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
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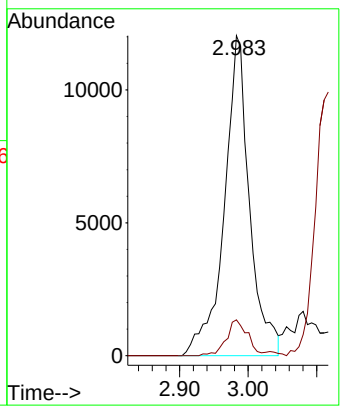
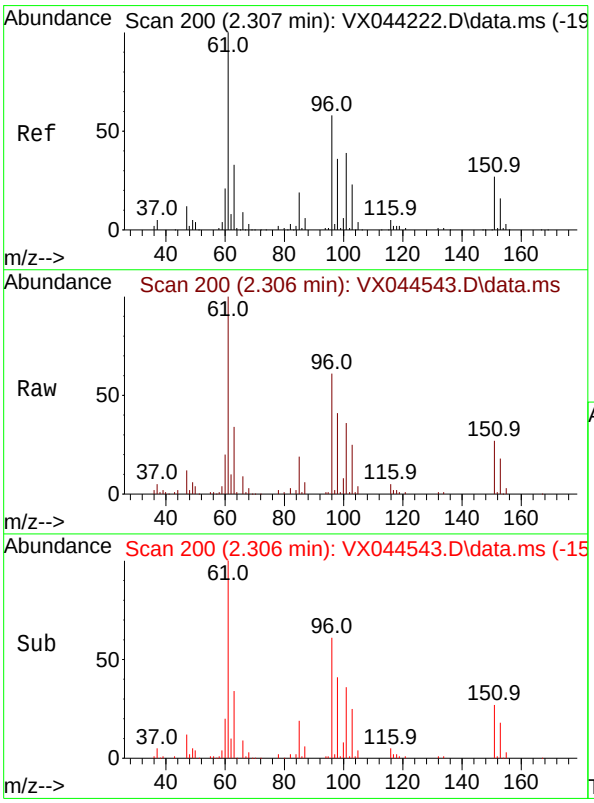
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

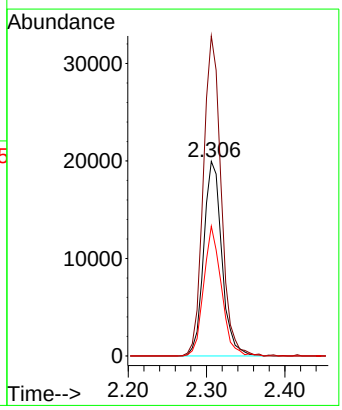


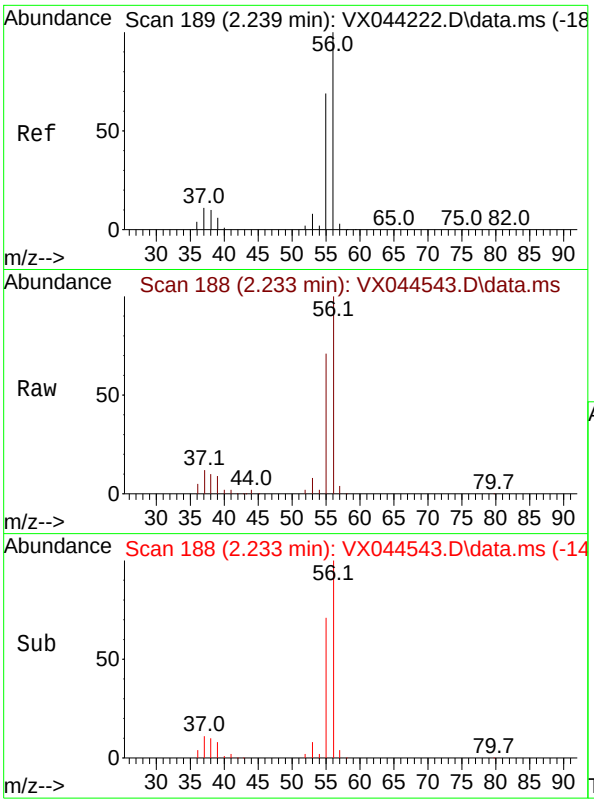


#12
1,1-Dichloroethene
Concen: 18.553 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 96 Resp: 31973

Ion	Ratio	Lower	Upper
96	100		
61	164.5	138.0	207.0
98	66.7	50.0	75.0





#13
Acrolein
Concen: 119.429 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 56 Resp: 6567

Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.6	84.8

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

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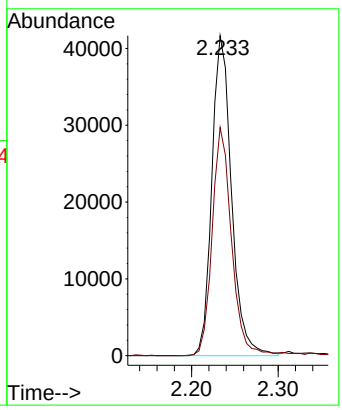
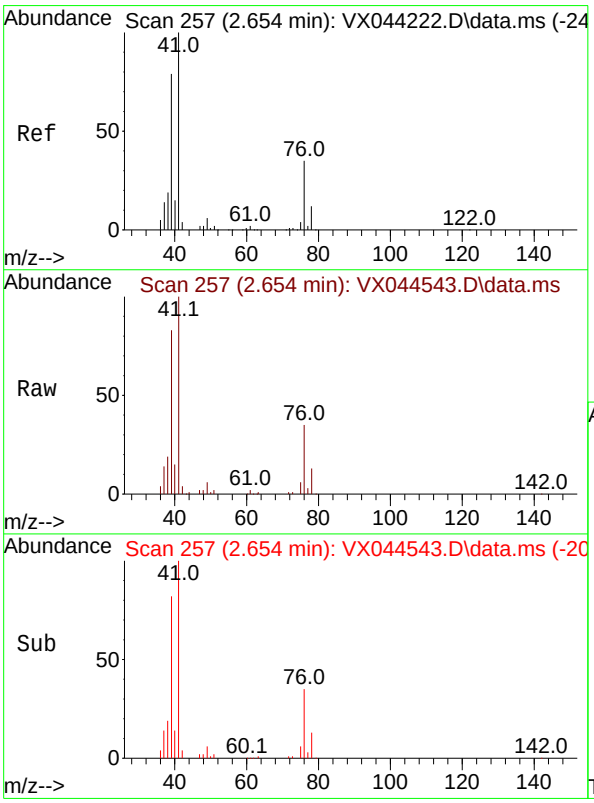
Supervised By :Mahesh Dadoda 12/31/2024

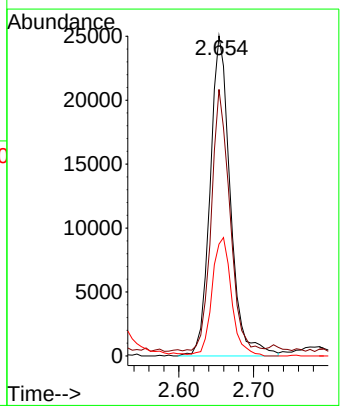


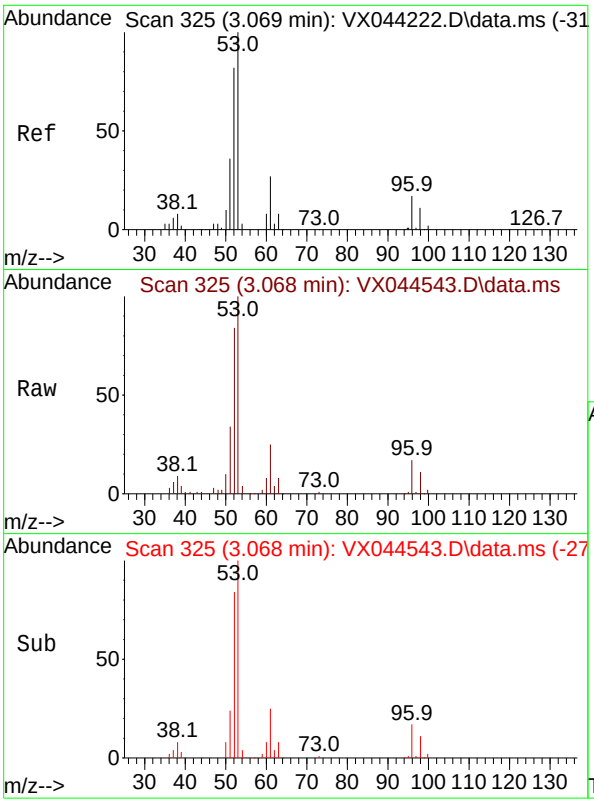


#14
Allyl chloride
Concen: 16.390 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 41 Resp: 47046

Ion	Ratio	Lower	Upper
41	100		
39	74.3	61.9	92.9
76	35.6	27.4	41.2





#15
Acrylonitrile
Concen: 86.695 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 53 Resp: 9123

Ion	Ratio	Lower	Upper
53	100		
52	82.0	67.4	101.0
51	37.7	30.3	45.5

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
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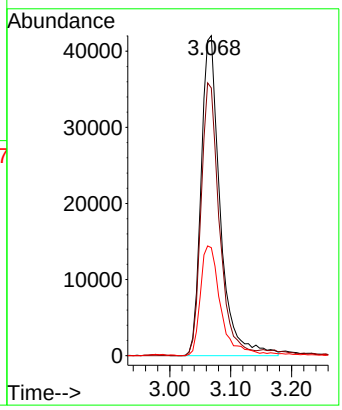
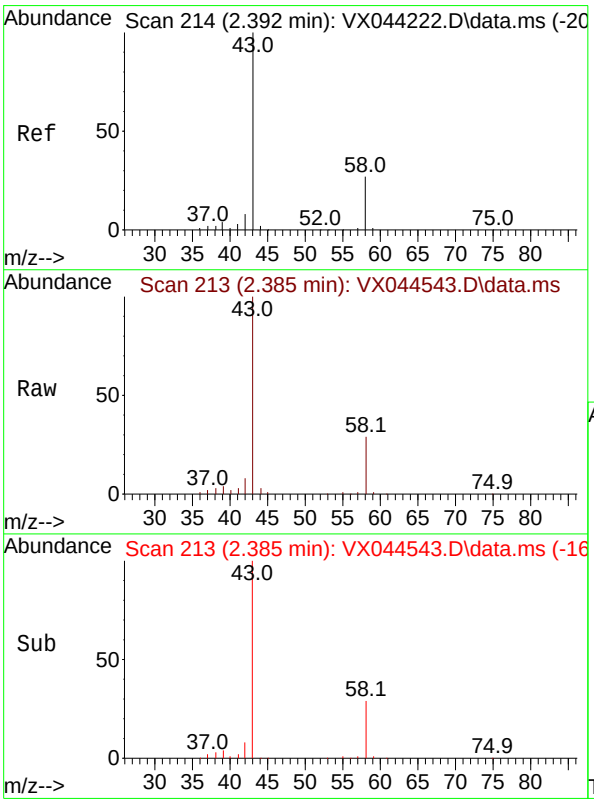
Supervised By :Mahesh Dadoda 12/31/2024

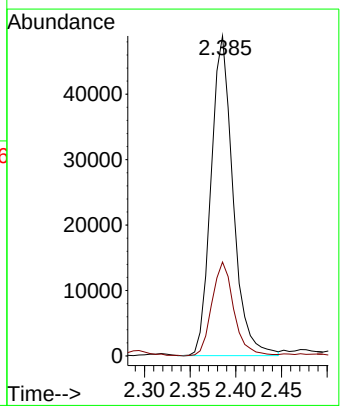


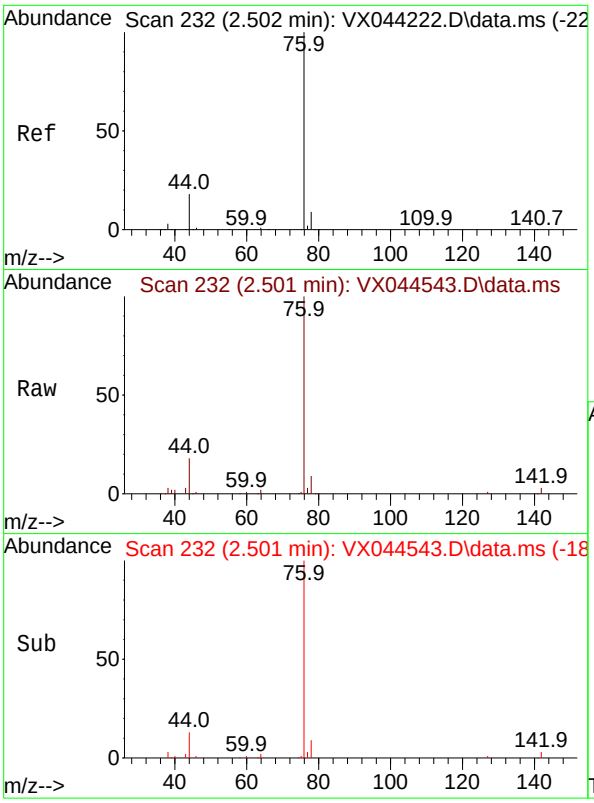


#16
Acetone
Concen: 74.346 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 43 Resp: 81705

Ion	Ratio	Lower	Upper
43	100		
58	29.2	21.6	32.4





#17
Carbon Disulfide
Concen: 14.706 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 76 Resp: 4817

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
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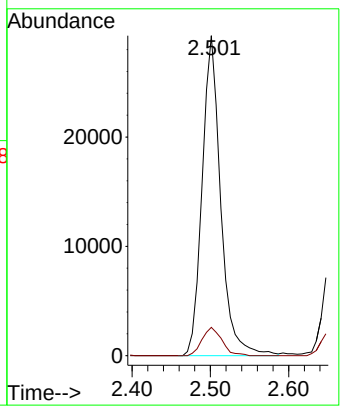
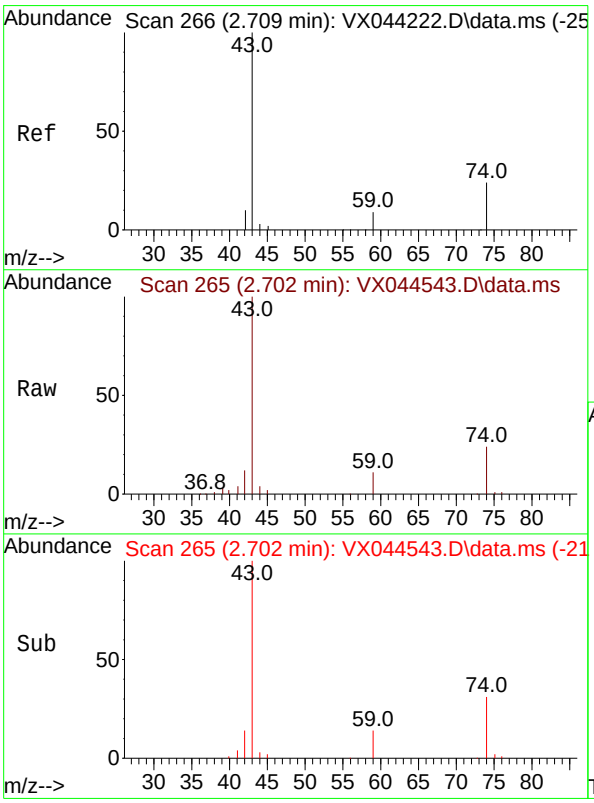
Supervised By :Mahesh Dadoda 12/31/2024

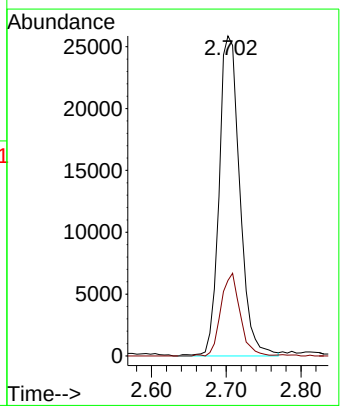


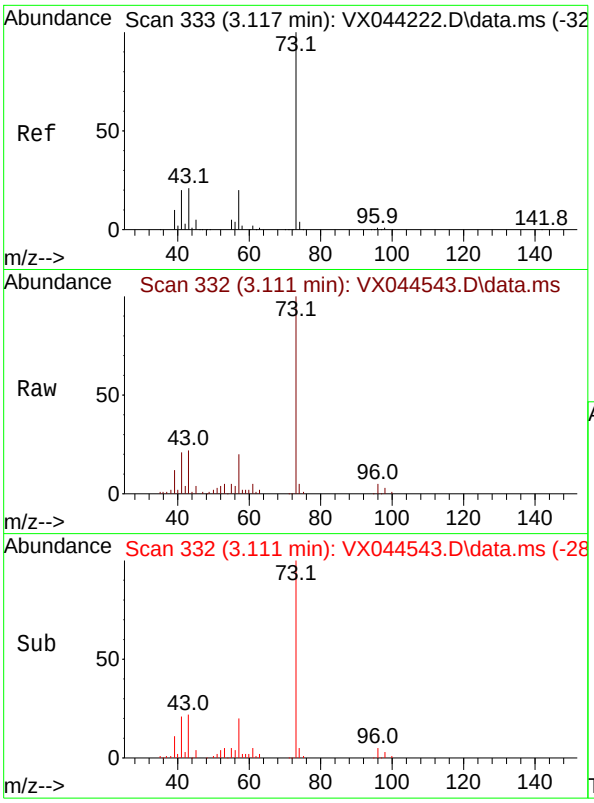


#18
Methyl Acetate
Concen: 17.576 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 43 Resp: 49803

Ion	Ratio	Lower	Upper
43	100		
74	24.1	17.7	26.5





#19
Methyl tert-butyl Ether
Concen: 16.611 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 73 Resp: 11171

Ion	Ratio	Lower	Upper
73	100		
57	20.1	16.2	24.4

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
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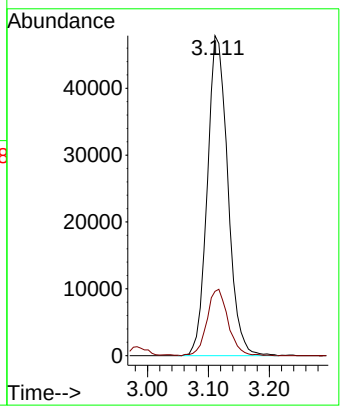
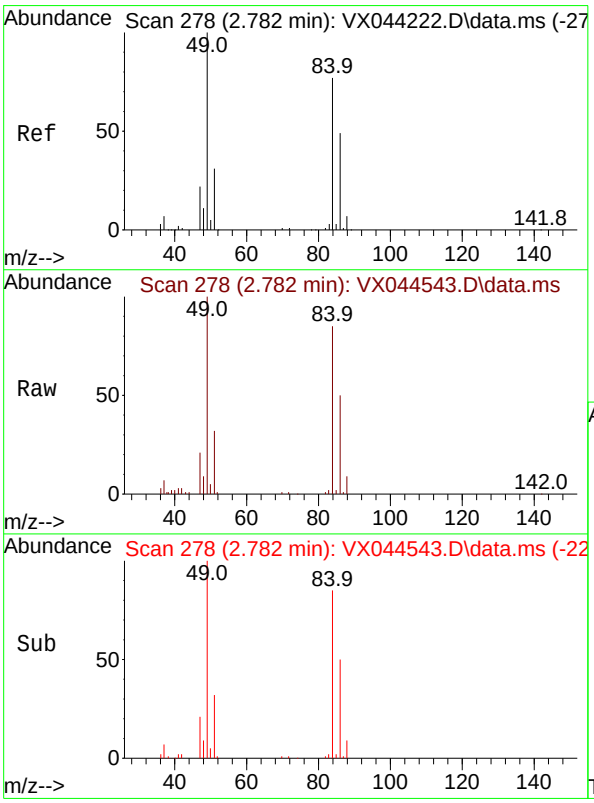
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

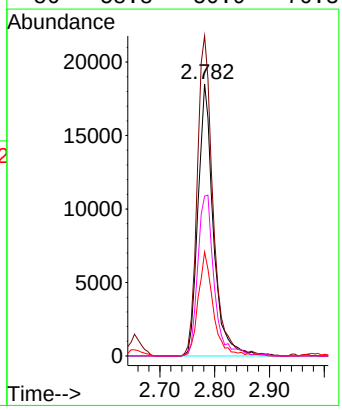


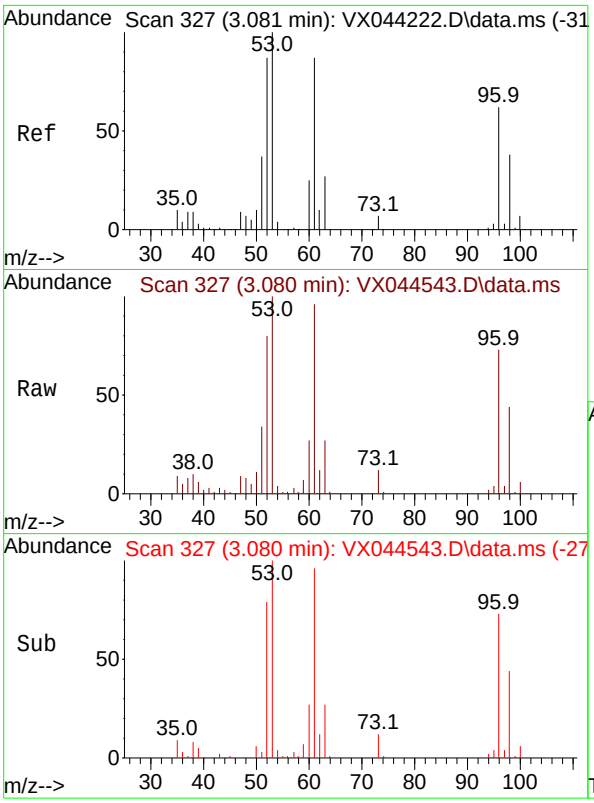


#20
Methylene Chloride
Concen: 17.421 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 84 Resp: 35960

Ion	Ratio	Lower	Upper
84	100		
49	117.6	104.2	156.4
51	38.2	32.2	48.4
86	58.8	50.9	76.3





#21
trans-1,2-Dichloroethene
Concen: 17.229 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 96 Resp: 3155

Ion	Ratio	Lower	Upper
96	100		
61	130.9	112.0	168.0
98	60.2	48.8	73.2

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

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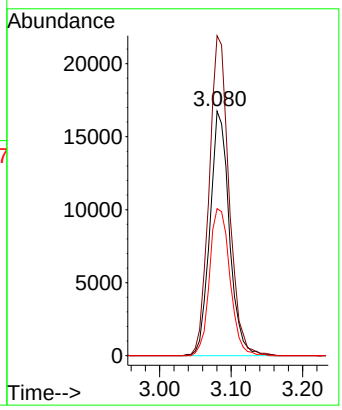
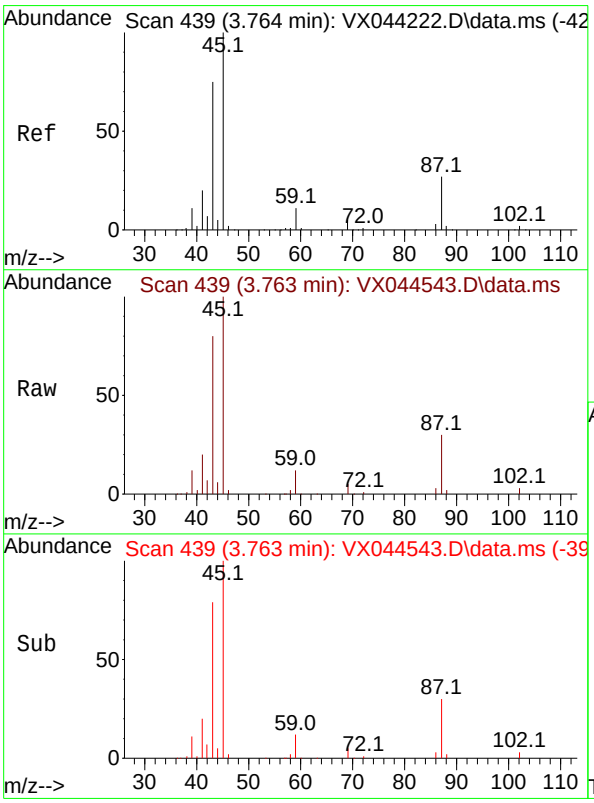
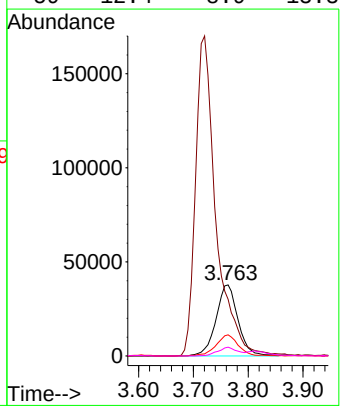


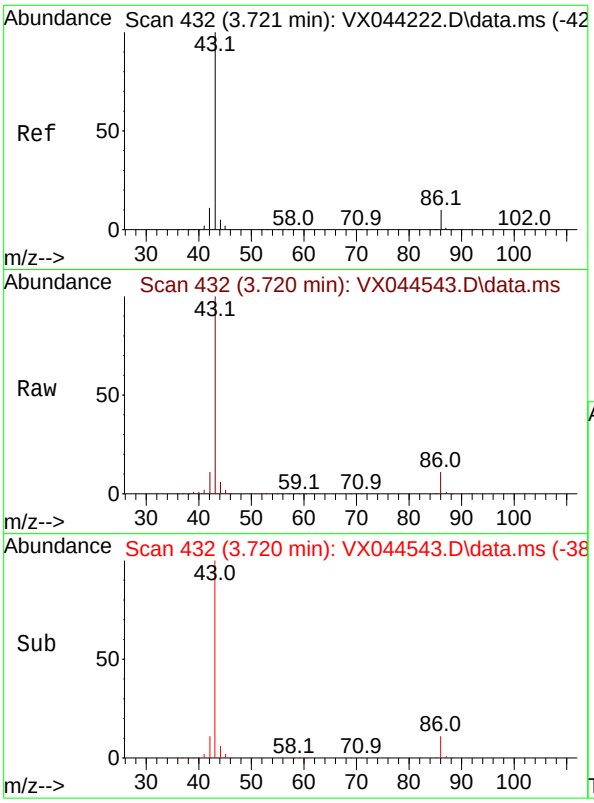


#22
Diisopropyl ether
Concen: 16.268 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 45 Resp: 105148

Ion	Ratio	Lower	Upper
45	100		
43	79.4	60.2	90.2
87	29.8	21.2	31.8
59	12.4	8.9	13.3





#23
Vinyl Acetate
Concen: 84.386 ug/l
RT: 3.720 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 43 Resp: 44344

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.2	12.2

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
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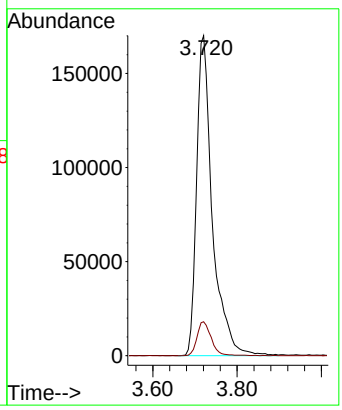
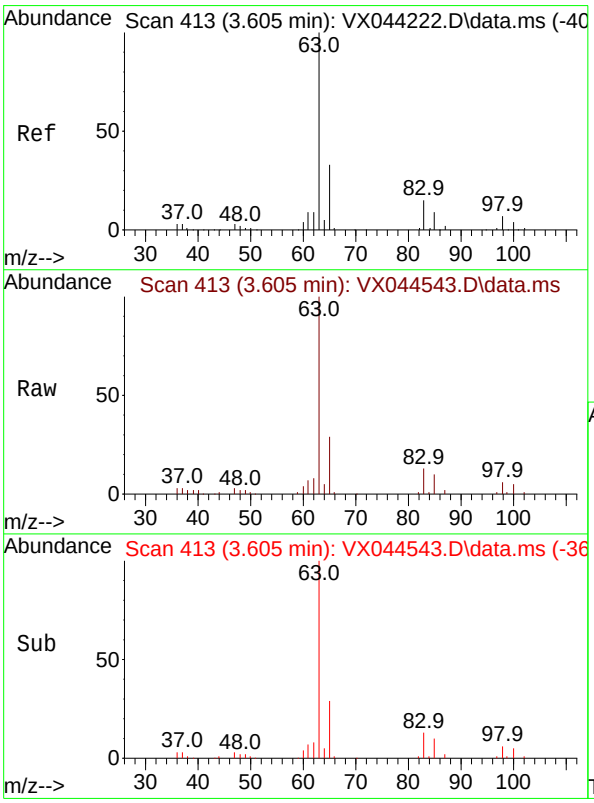
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

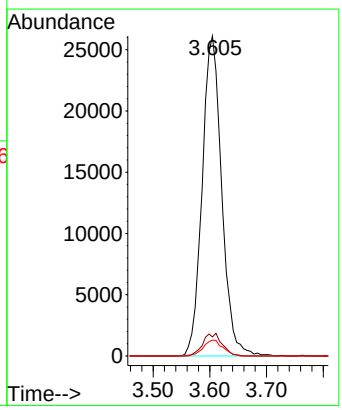


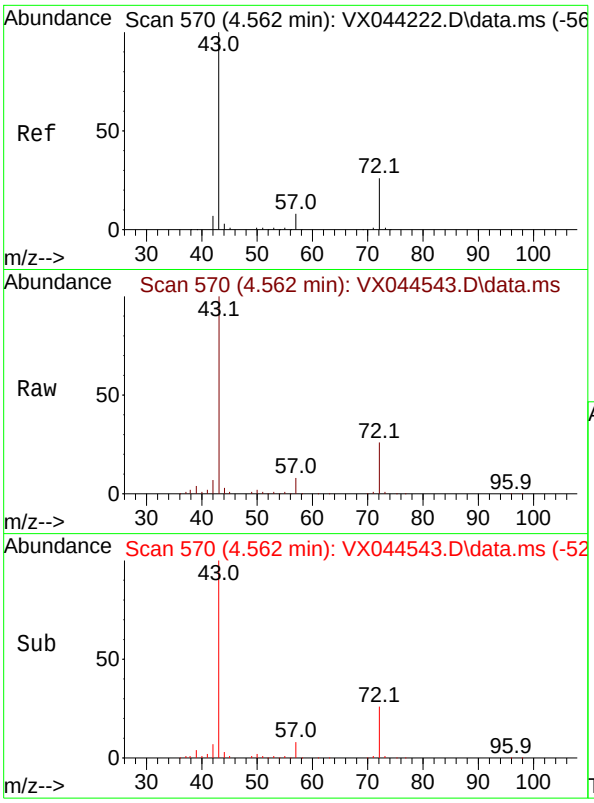


#24
1,1-Dichloroethane
Concen: 17.362 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 63 Resp: 62553

Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.6	10.8
100	4.9	2.1	6.3





#25
2-Butanone
Concen: 80.280 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 43 Resp: 12542

Ion	Ratio	Lower	Upper
43	100		
72	26.3	20.2	30.4

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
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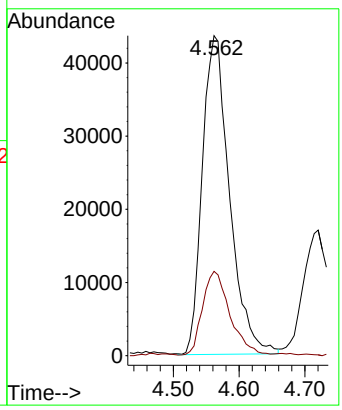
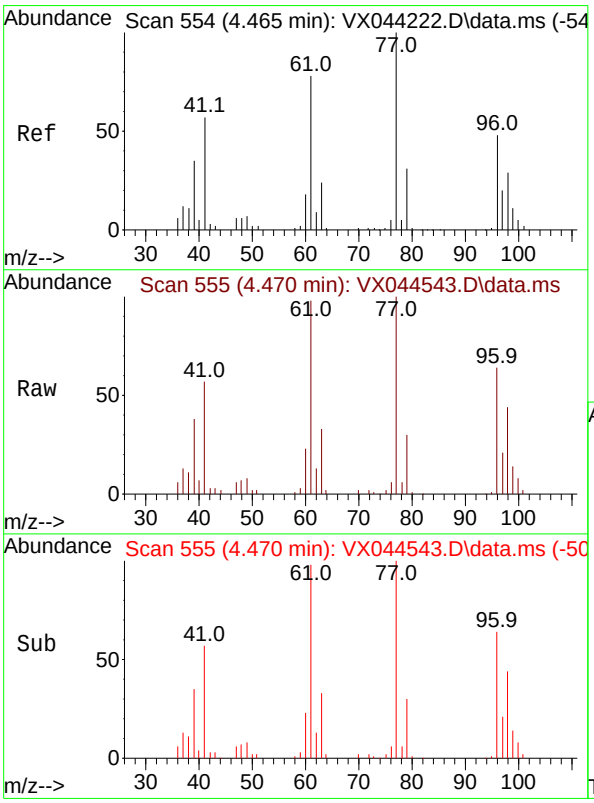
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

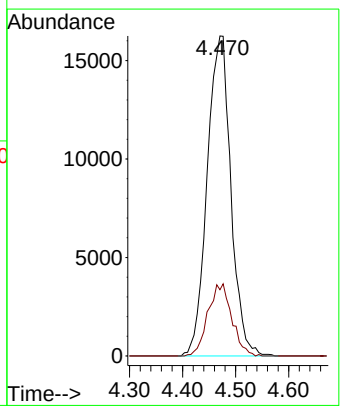


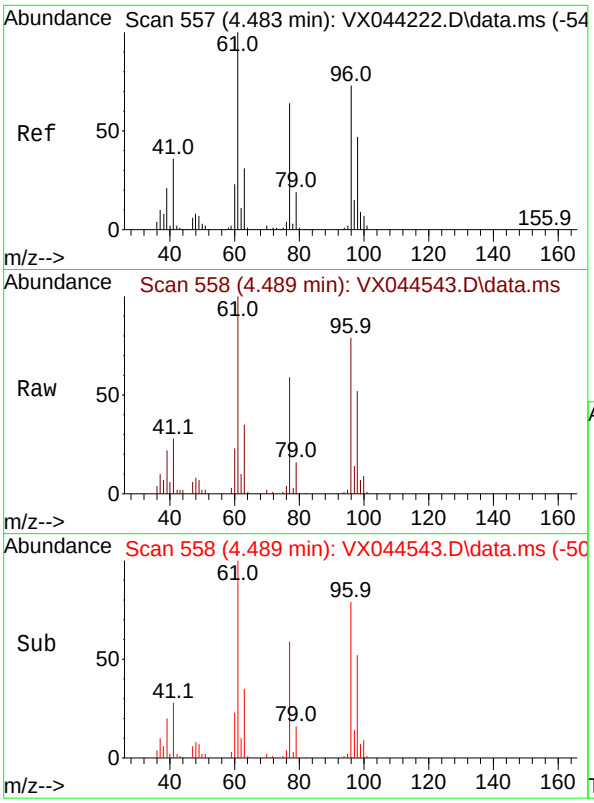


#26
2,2-Dichloropropane
Concen: 17.223 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 77 Resp: 50413

Ion	Ratio	Lower	Upper
77	100		
97	22.7	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 17.170 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 96 Resp: 3993

Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	299.0
98	64.5	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

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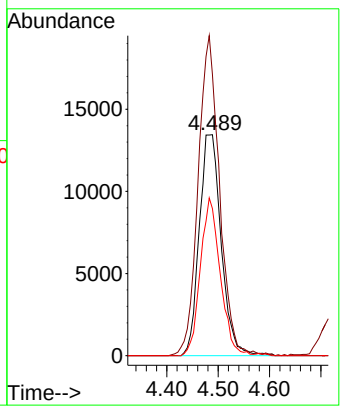
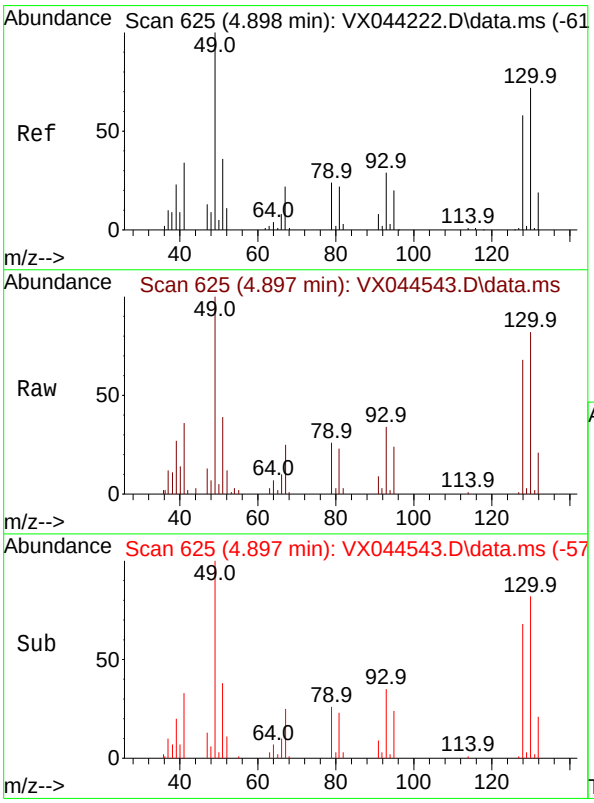
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

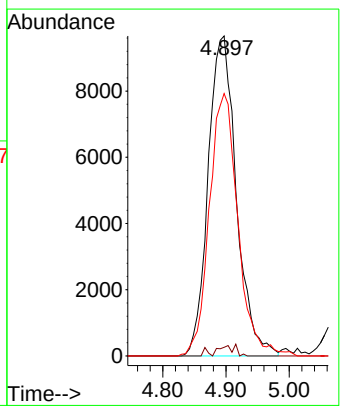


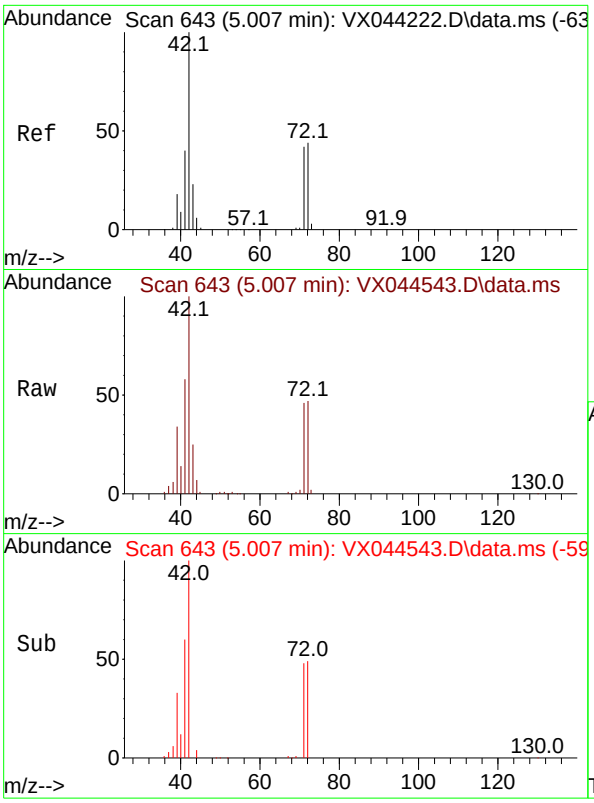


#28
Bromochloromethane
Concen: 16.932 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 49 Resp: 29914

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	83.0	62.1	93.1





#29
Tetrahydrofuran
Concen: 80.443 ug/l
RT: 5.007 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 42 Resp: 8067

Ion	Ratio	Lower	Upper
42	100		
72	47.7	37.0	55.6
71	44.5	33.6	50.4

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

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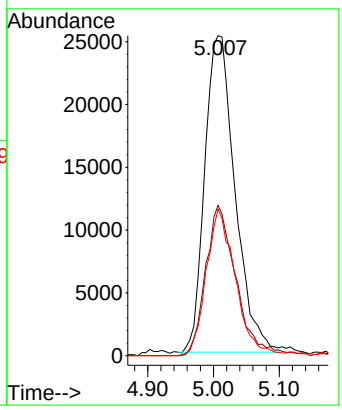
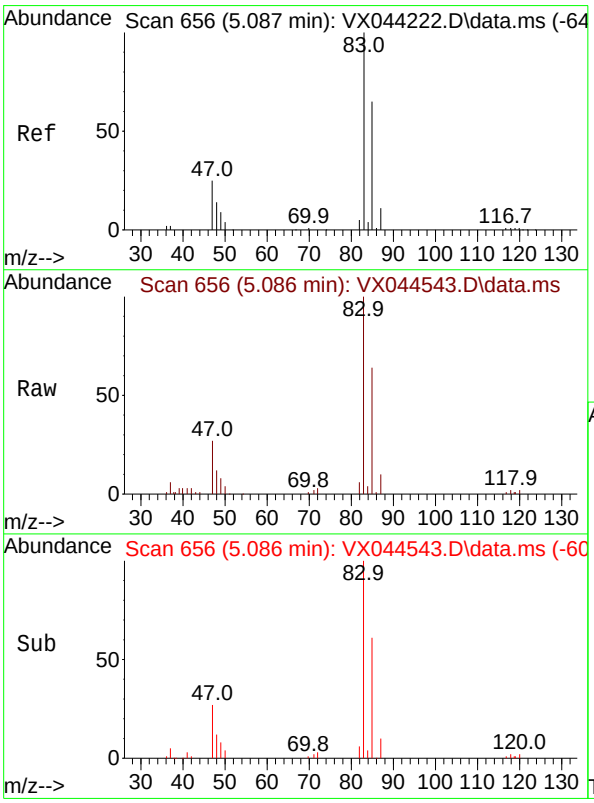
Supervised By :Mahesh Dadoda 12/31/2024

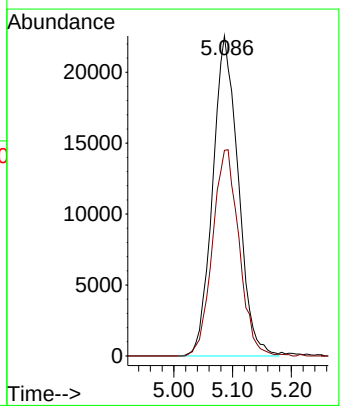


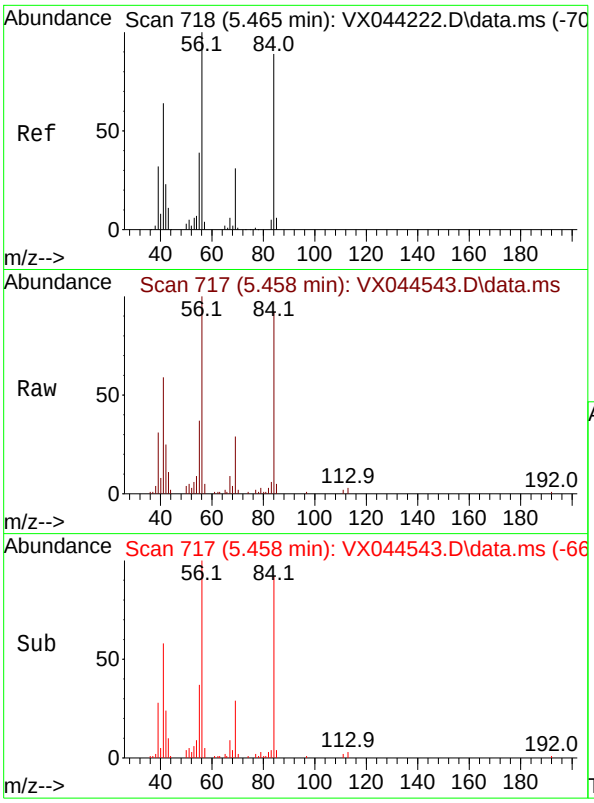


#30
Chloroform
Concen: 16.810 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 83 Resp: 68047

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.6	77.4





#31
Cyclohexane
Concen: 16.355 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 56 Resp: 4758

Ion	Ratio	Lower	Upper
56	100		
69	28.8	24.7	37.1
84	88.8	71.0	106.6

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

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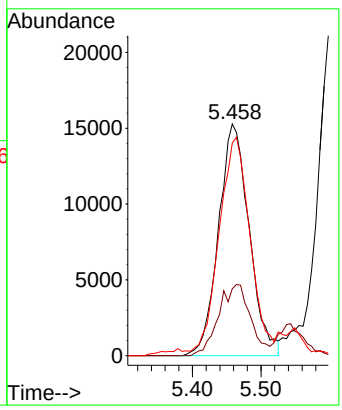
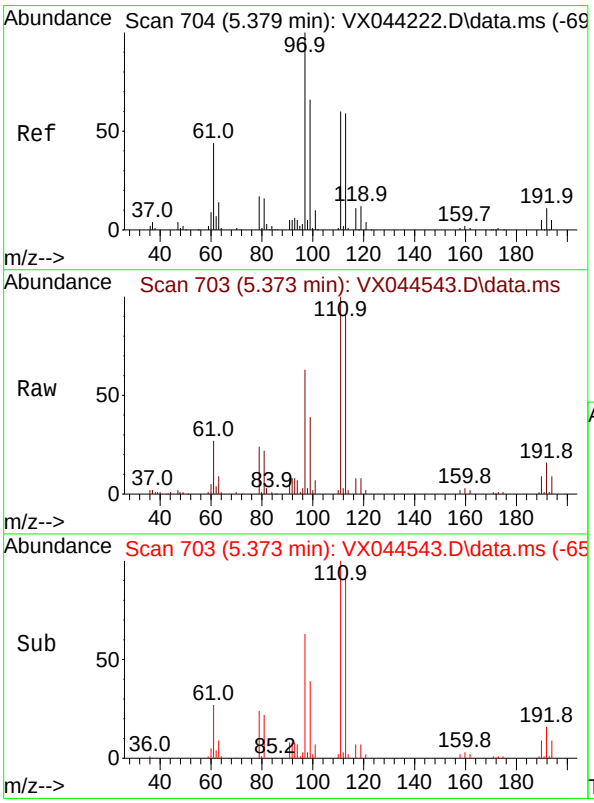
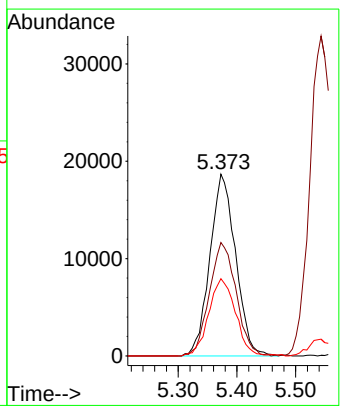


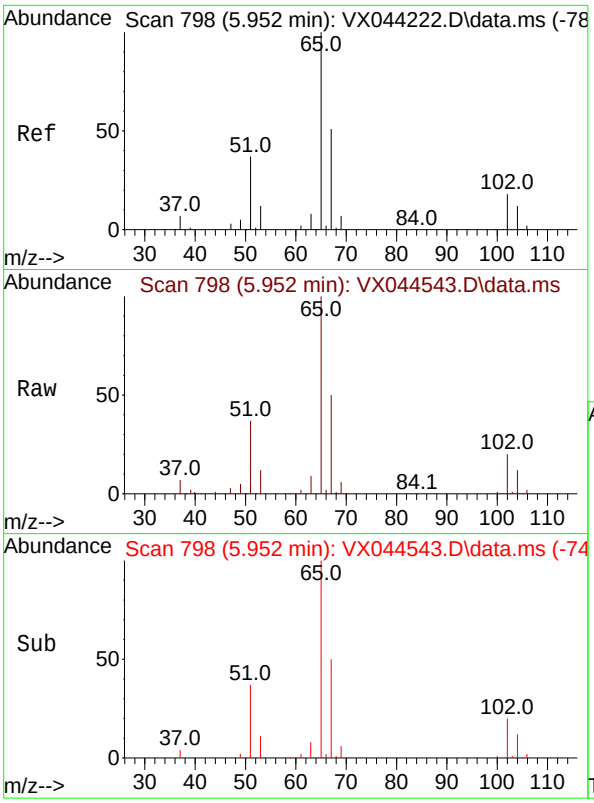


#32
1,1,1-Trichloroethane
Concen: 16.931 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 97 Resp: 56892

Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.8	76.2
61	44.0	35.2	52.8





#33
1,2-Dichloroethane-d4
Concen: 42.406 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 65 Resp: 11431

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	101.6

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

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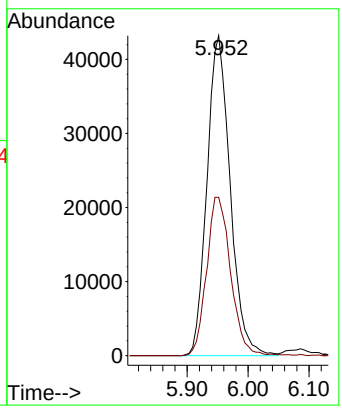
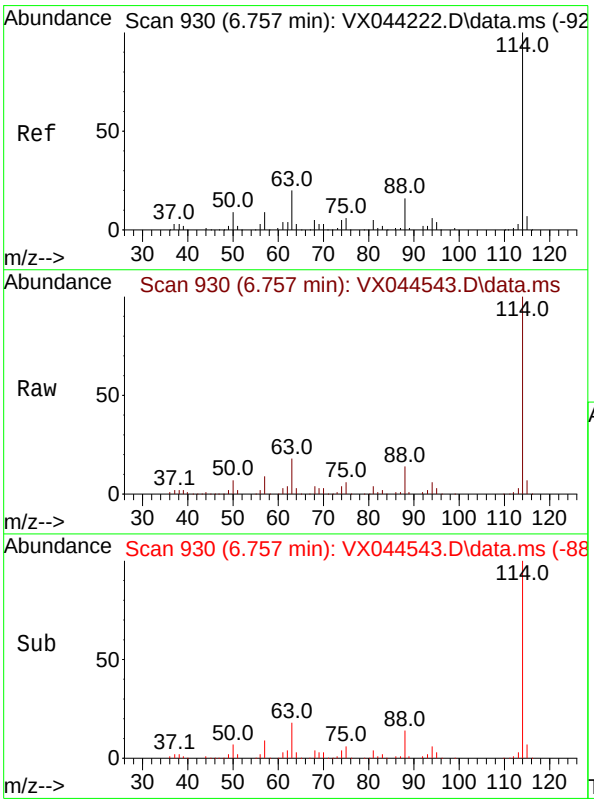
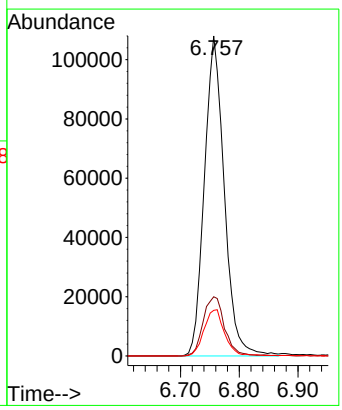


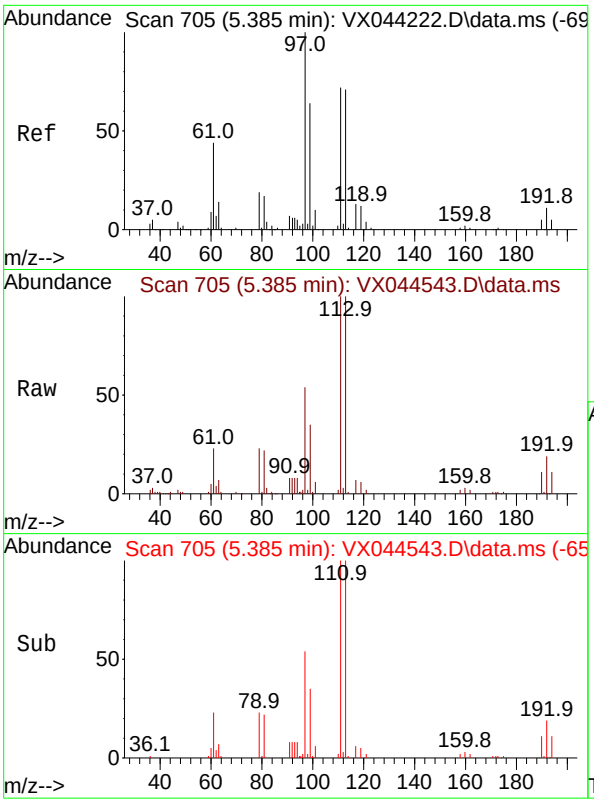


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:114 Resp: 254154

Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	40.6
88	14.2	0.0	31.8





#35
Dibromofluoromethane
Concen: 51.151 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:113 Resp: 9003

Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.4	120.6
192	18.7	13.3	19.9

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

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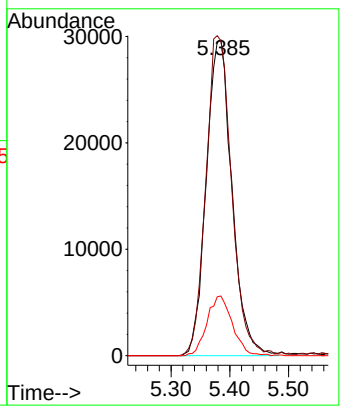
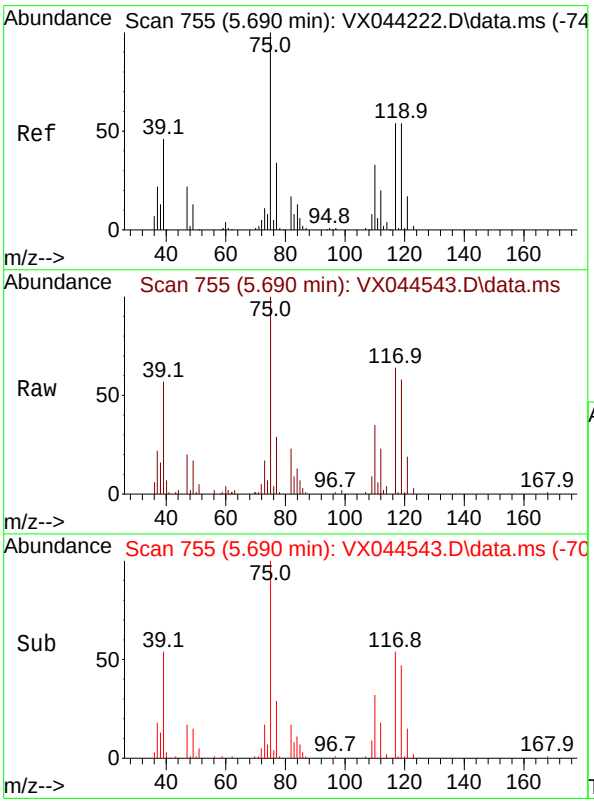
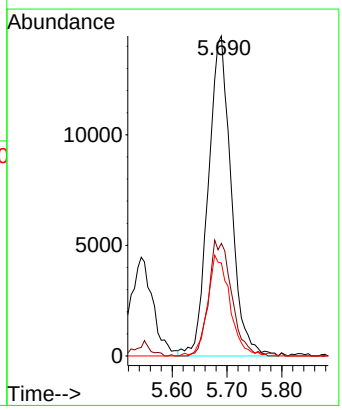


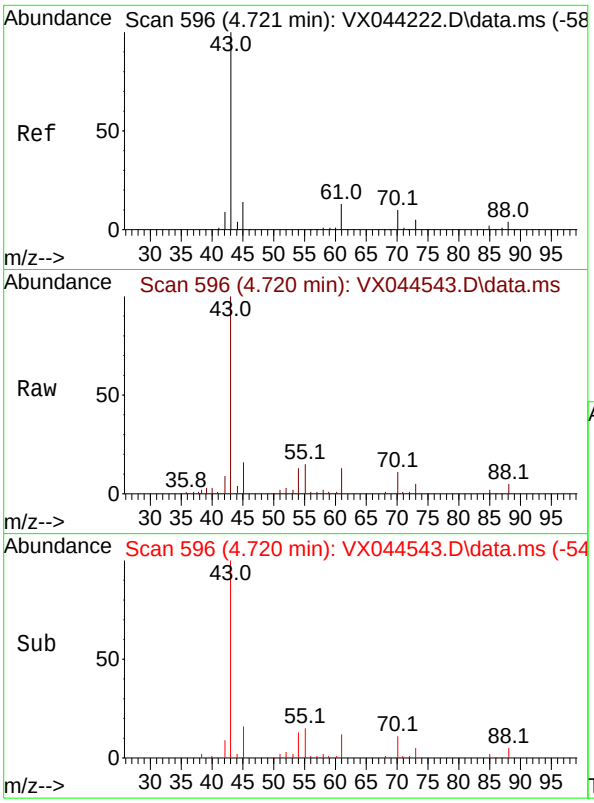


#36
1,1-Dichloropropene
Concen: 18.376 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 75 Resp: 41811

Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.3	51.7
77	30.6	25.4	38.0





#37
Ethyl Acetate
Concen: 17.387 ug/l
RT: 4.720 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 43 Resp: 4890

Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.8	14.8
70	10.4	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
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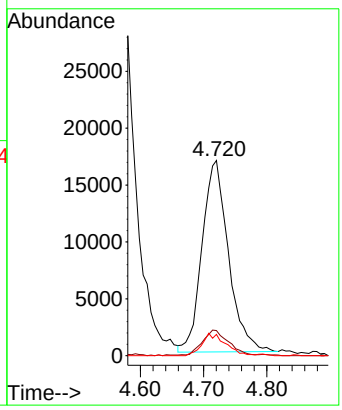
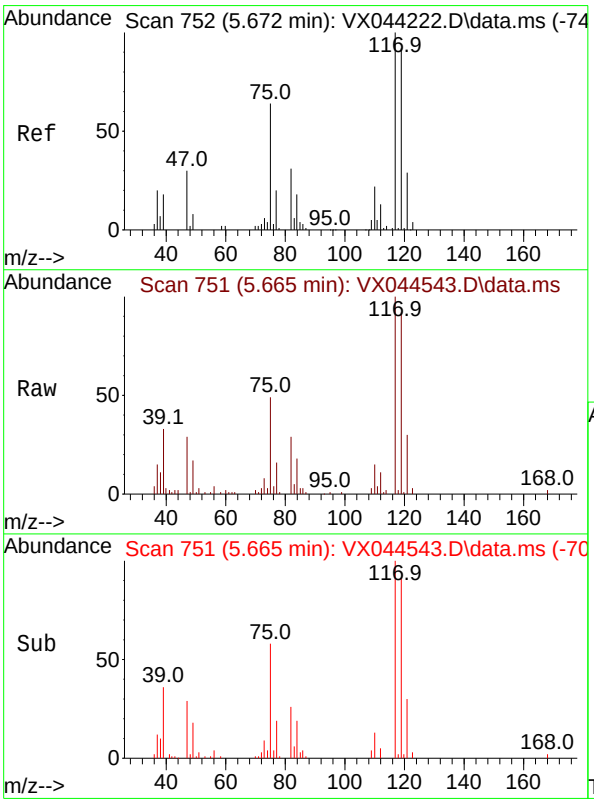
Supervised By :Mahesh Dadoda 12/31/2024

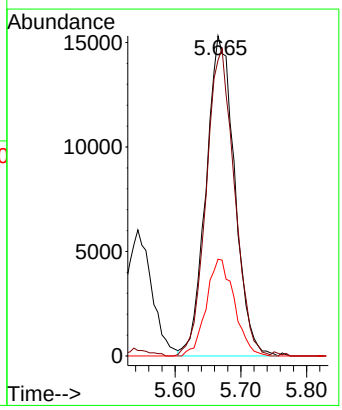


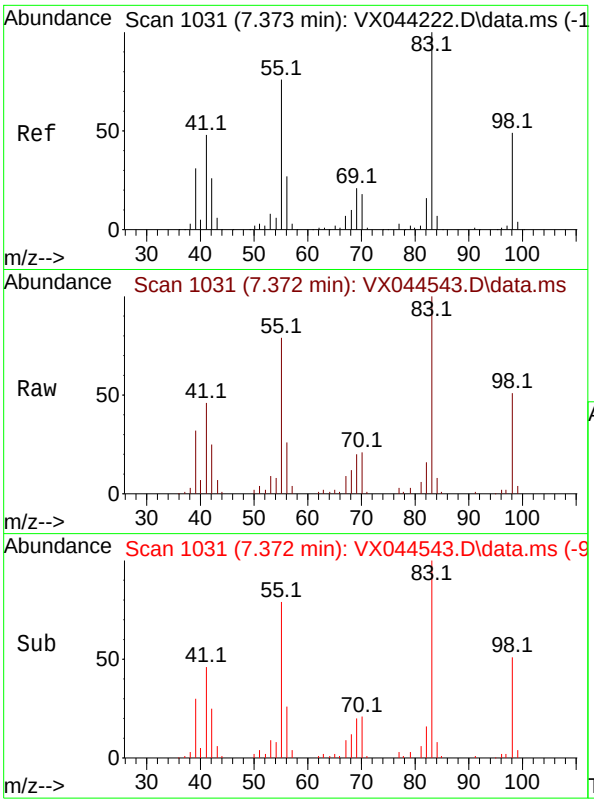


#38
Carbon Tetrachloride
Concen: 18.916 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:117 Resp: 46337

Ion	Ratio	Lower	Upper
117	100		
119	92.0	74.2	111.4
121	30.2	23.0	34.6





#39
Methylcyclohexane
Concen: 19.124 ug/l
RT: 7.372 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 83 Resp: 5201

Ion	Ratio	Lower	Upper
83	100		
55	79.2	60.7	91.1
98	50.5	38.9	58.3

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
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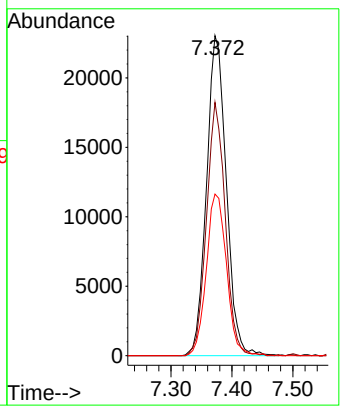
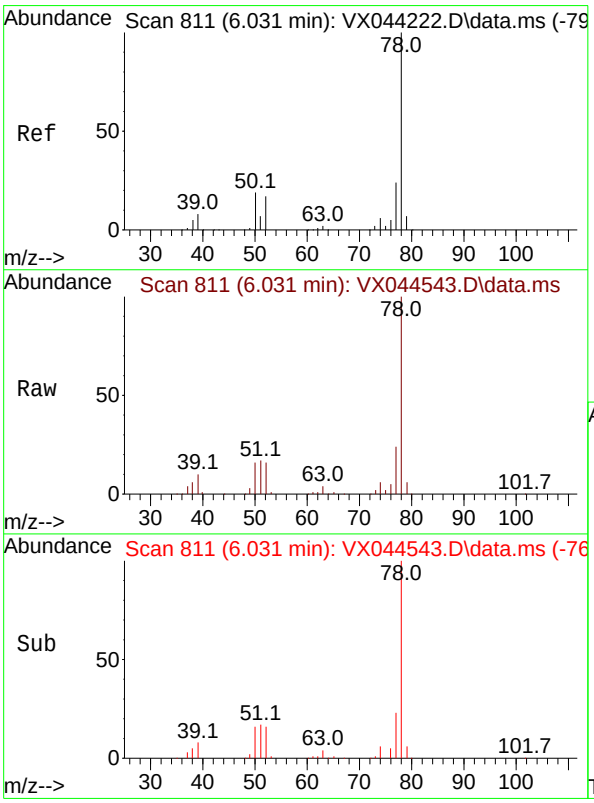
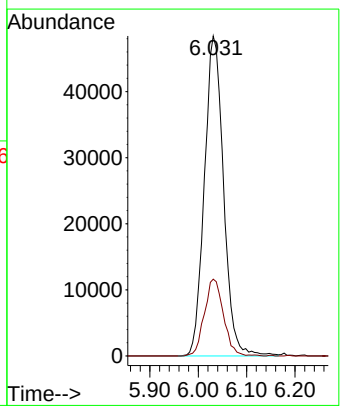


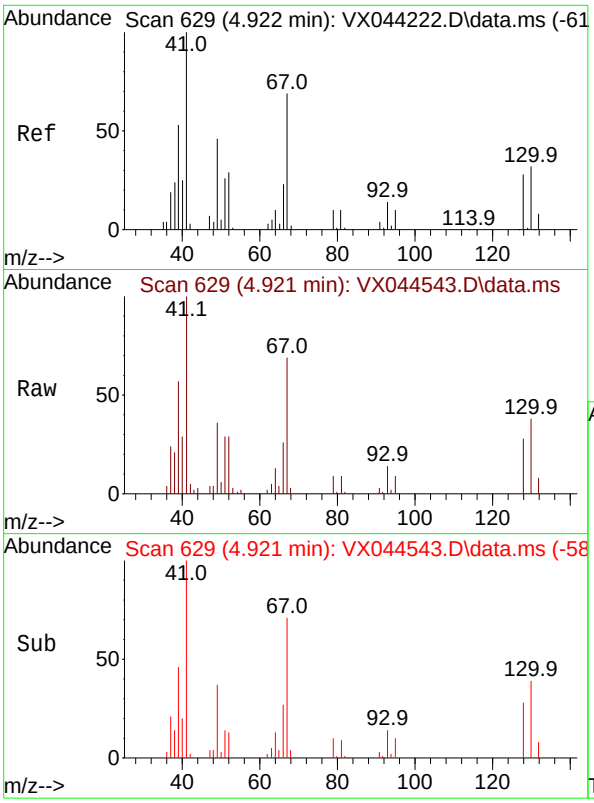


#40
Benzene
Concen: 19.310 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 78 Resp: 133403

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9





#41
Methacrylonitrile
Concen: 17.547 ug/l
RT: 4.921 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 41 Resp: 2620

Ion	Ratio	Lower	Upper
41	100		
39	59.9	44.2	66.4
67	73.7	57.2	85.8
52	34.7	24.6	37.0

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

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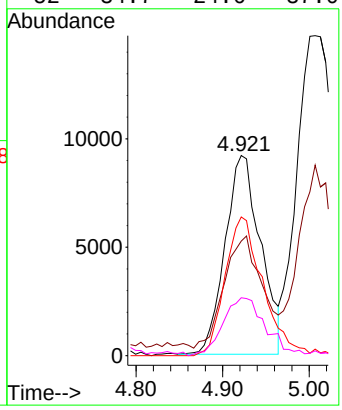
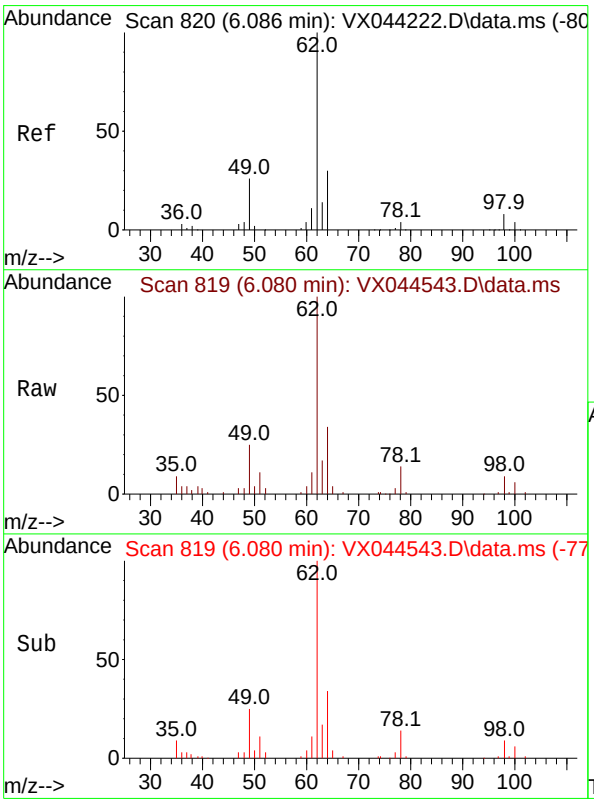
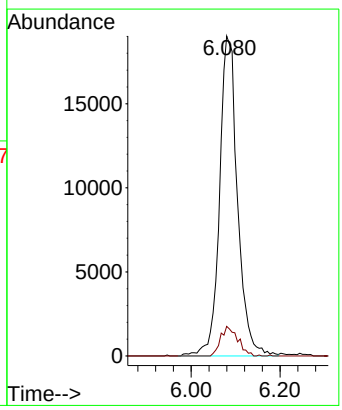


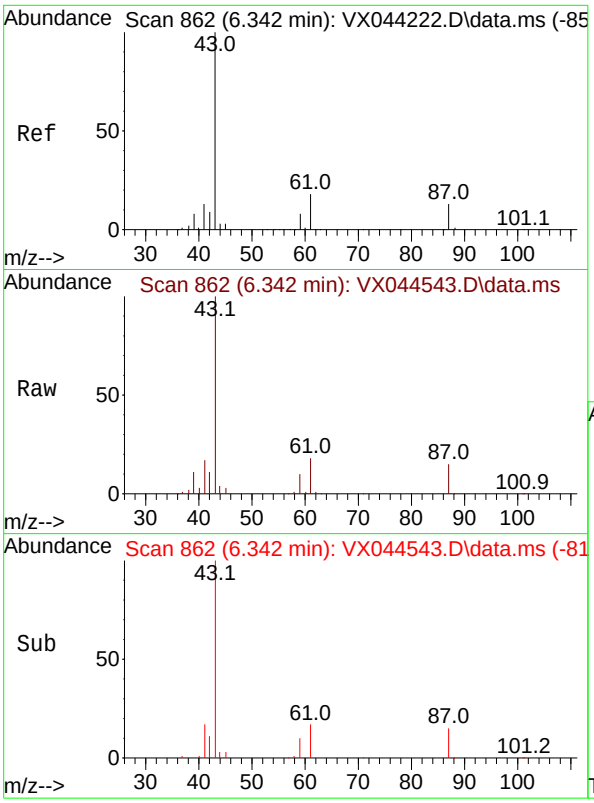


#42
1,2-Dichloroethane
Concen: 18.732 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 62 Resp: 53308

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	15.8





#43
Isopropyl Acetate
Concen: 17.679 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 43 Resp: 7771

Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.2	21.2
87	14.1	10.2	15.2

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

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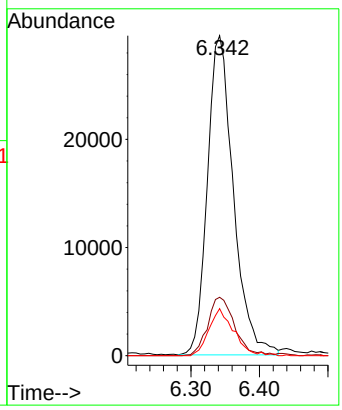
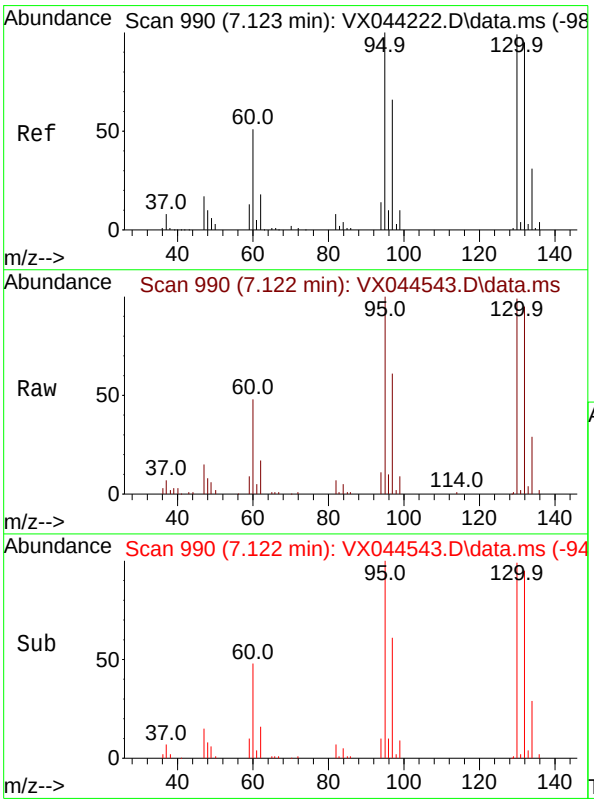
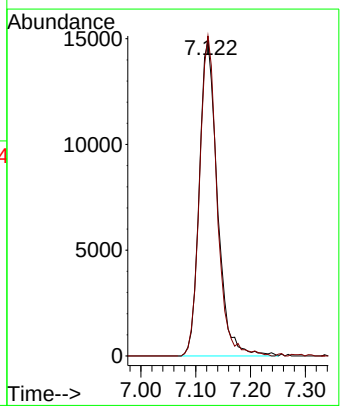


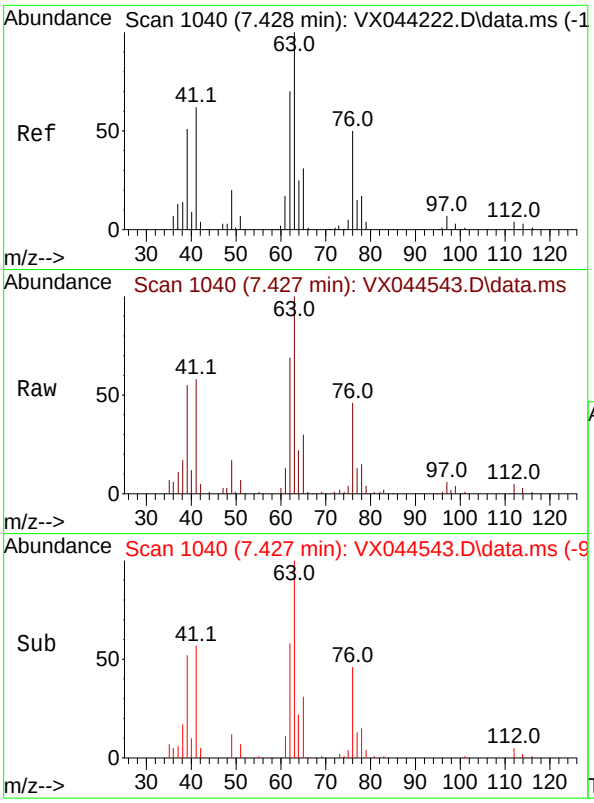


#44
Trichloroethene
Concen: 19.862 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:130 Resp: 34218

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	201.4





#45
1,2-Dichloropropane
Concen: 18.843 ug/l
RT: 7.427 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 63 Resp: 3325

Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.6	37.0

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
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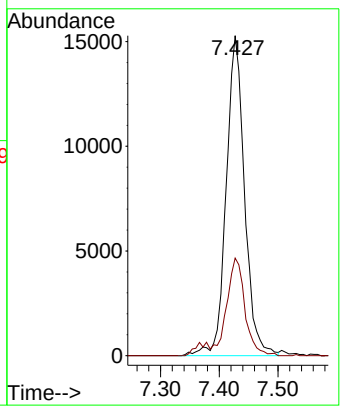
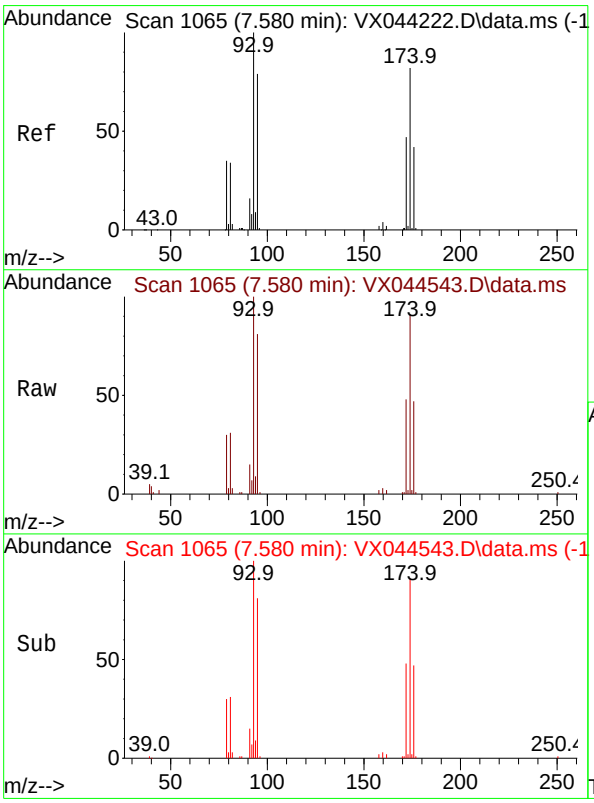
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

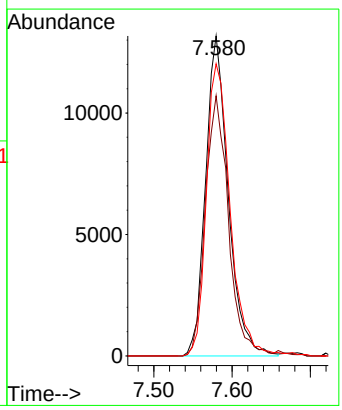


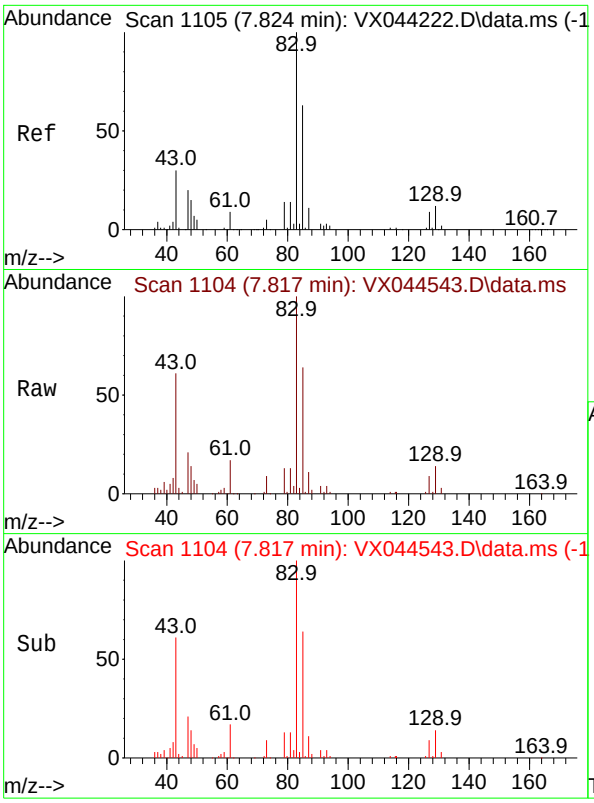


#46
Dibromomethane
Concen: 19.331 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 93 Resp: 26469

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.4	98.2
174	96.4	67.9	101.9





#47
Bromodichloromethane
Concen: 18.736 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 83 Resp: 4430

Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.6	75.8
127	8.7	7.3	10.9

Manual Integrations
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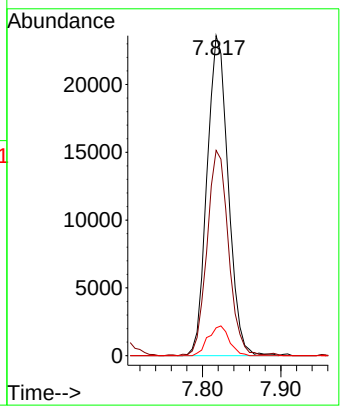
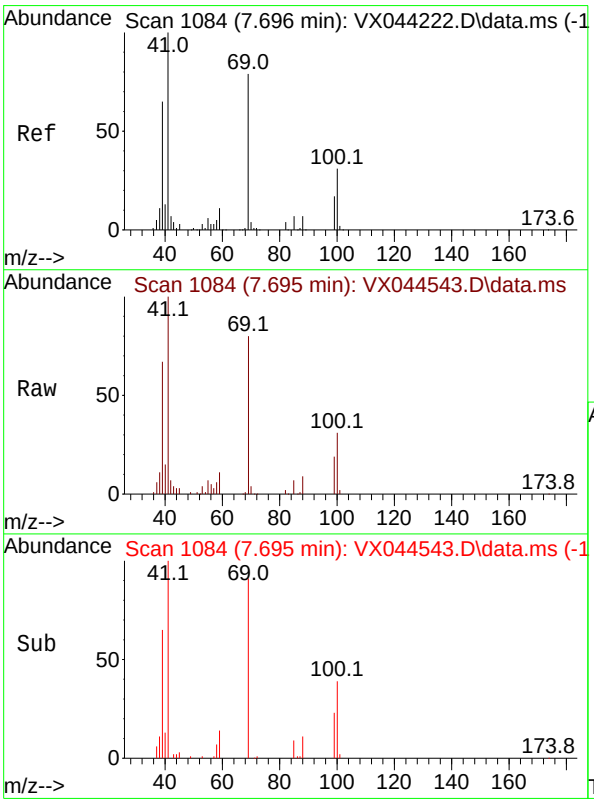
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

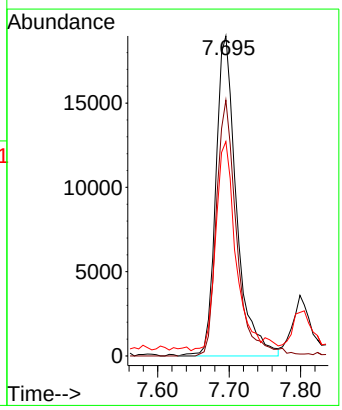


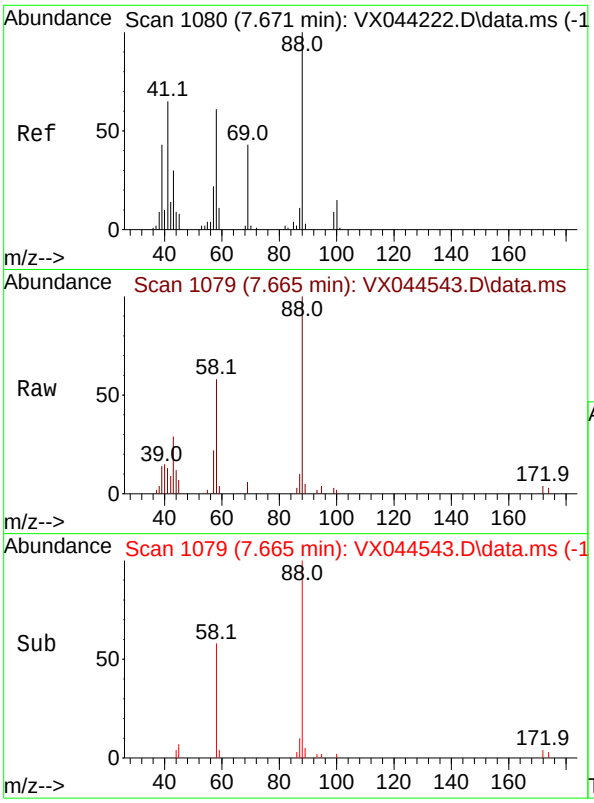


#48
Methyl methacrylate
Concen: 17.845 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 41 Resp: 38081

Ion	Ratio	Lower	Upper
41	100		
69	78.5	62.4	93.6
39	64.7	53.3	79.9





#49
1,4-Dioxane
Concen: 336.907 ug/l m
RT: 7.665 min Scan# 1(
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 88 Resp: 1192(

Ion	Ratio	Lower	Upper
88	100		
43	33.6	27.1	40.7
58	53.6	41.0	61.4

Manual Integrations
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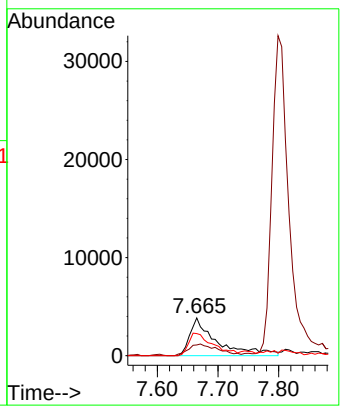
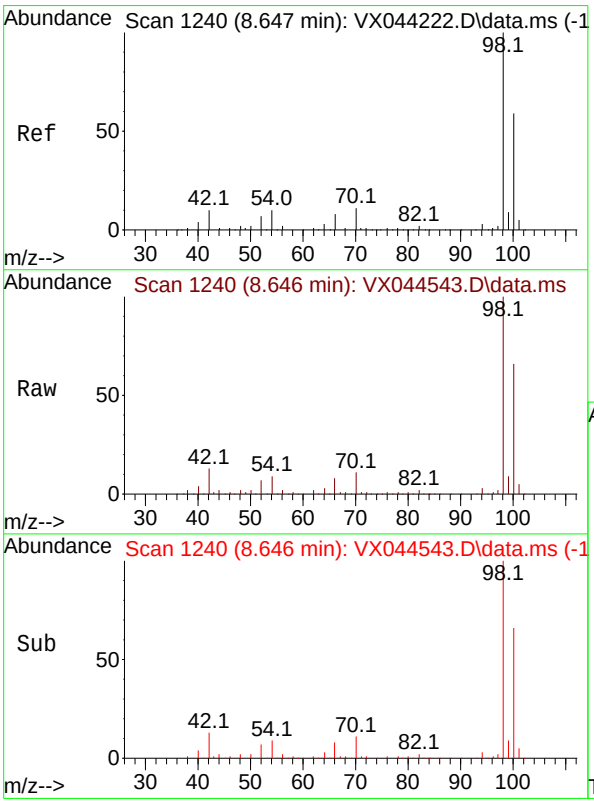
Supervised By :Mahesh Dadoda 12/31/2024

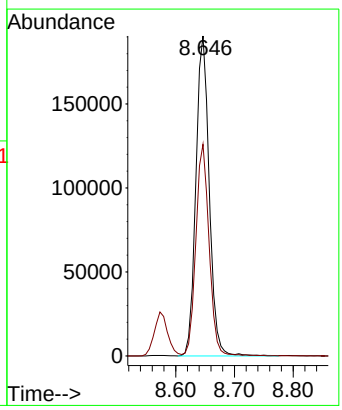


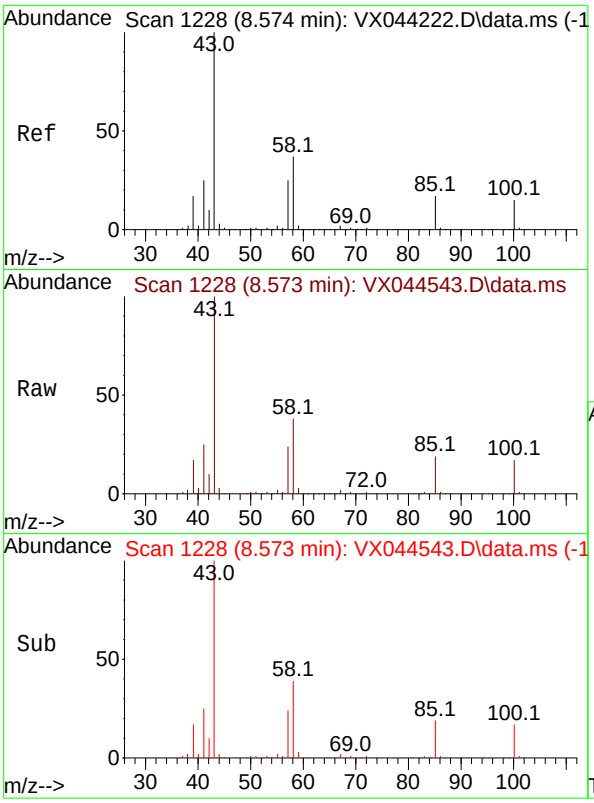


#50
Toluene-d8
Concen: 50.713 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 98 Resp: 301165

Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.5	77.3





#51
4-Methyl-2-Pentanone
Concen: 90.739 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 43 Resp: 25648

Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.4	44.0

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
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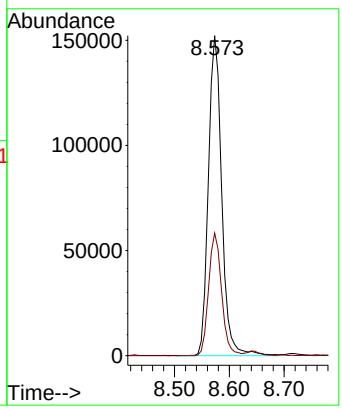
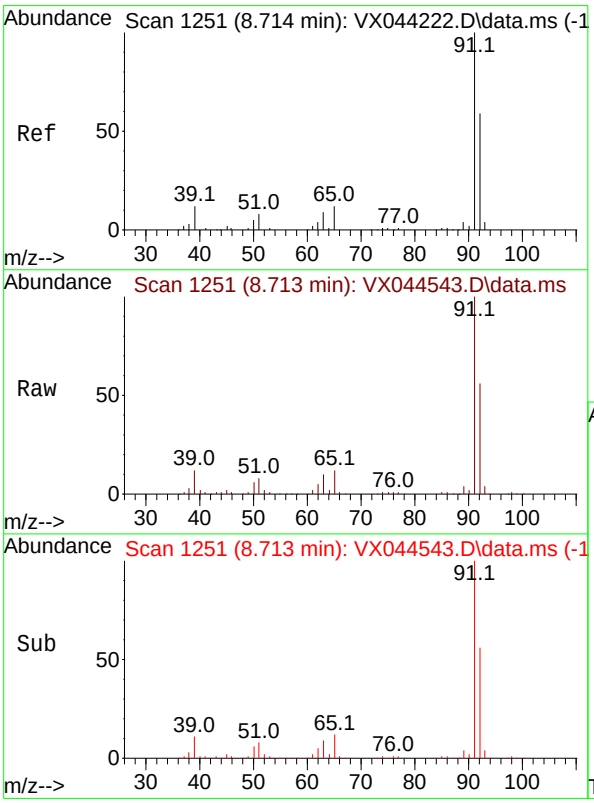
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

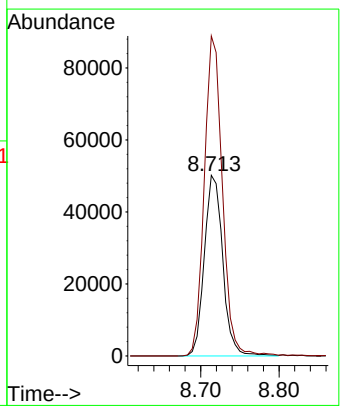


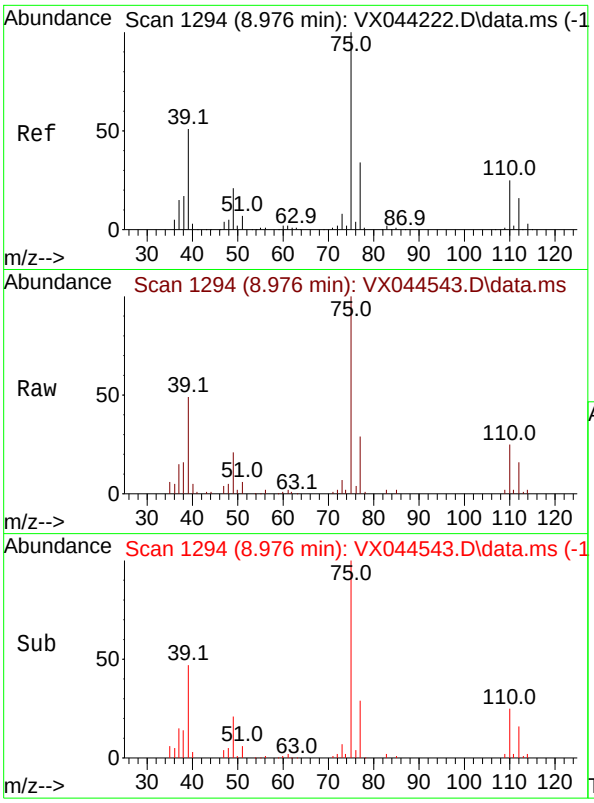


#52
Toluene
Concen: 18.868 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 92 Resp: 81853

Ion	Ratio	Lower	Upper
92	100		
91	173.8	137.0	205.6





#53
t-1,3-Dichloropropene
Concen: 17.946 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 75 Resp: 4246

Ion	Ratio	Lower	Upper
75	100		
77	29.4	27.2	40.8

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
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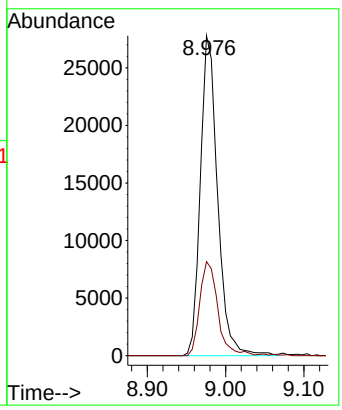
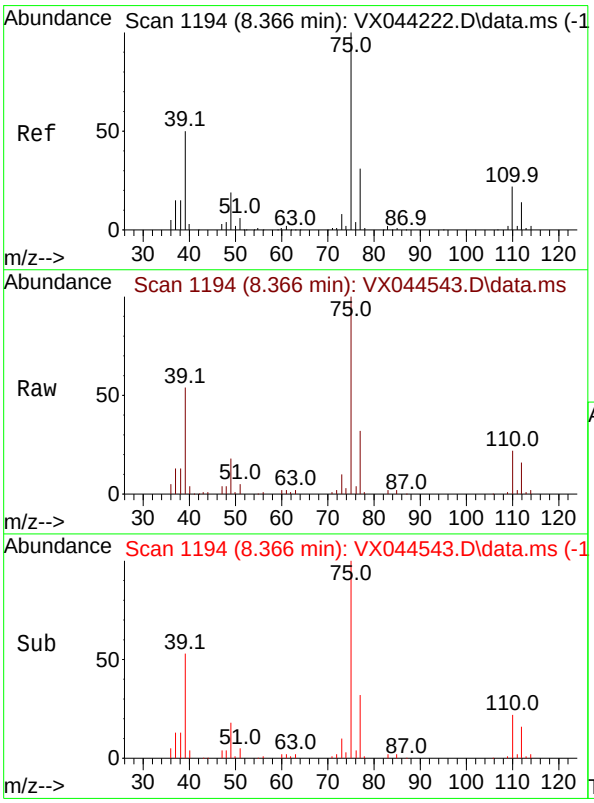
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

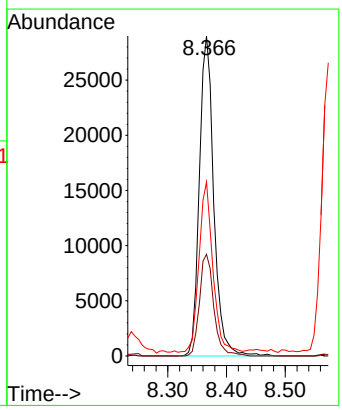


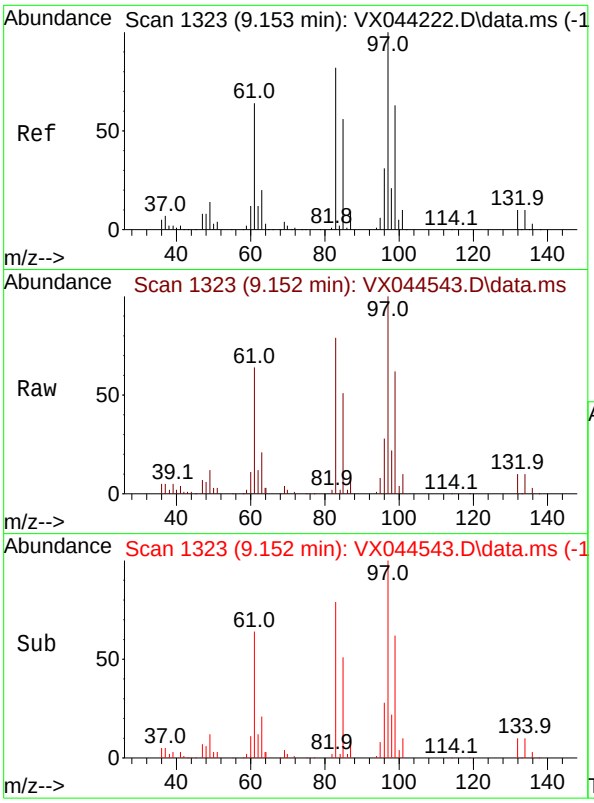


#54
cis-1,3-Dichloropropene
Concen: 19.180 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 75 Resp: 49386

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.7	37.1
39	53.3	40.3	60.5





#55
1,1,2-Trichloroethane
Concen: 20.166 ug/l
RT: 9.152 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 97 Resp: 3475

Ion	Ratio	Lower	Upper
97	100		
83	79.4	65.3	97.9
85	51.4	44.6	67.0
99	62.0	50.2	75.2

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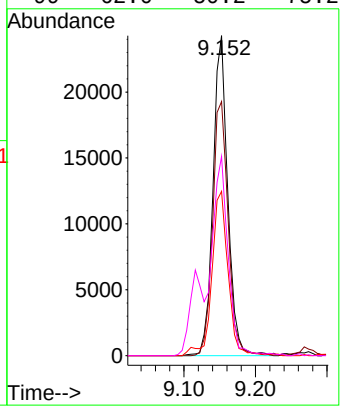
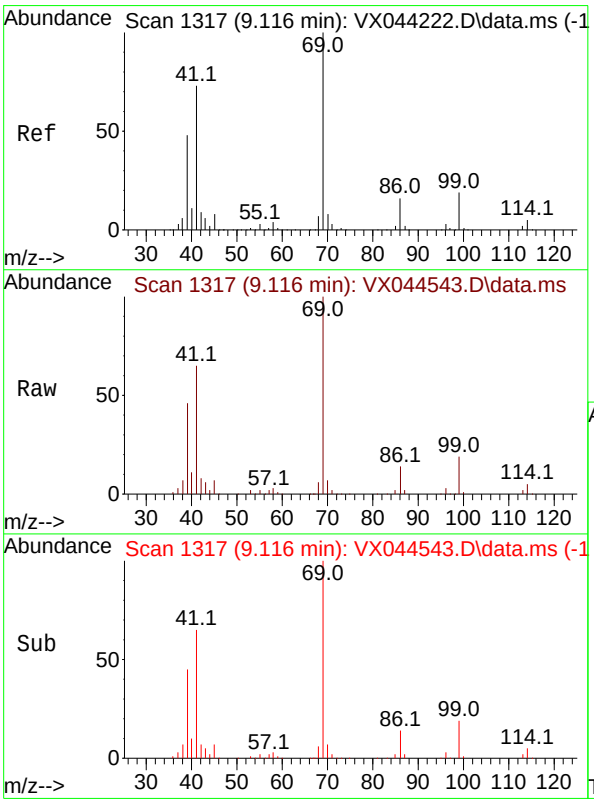
Supervised By :Mahesh Dadoda 12/31/2024

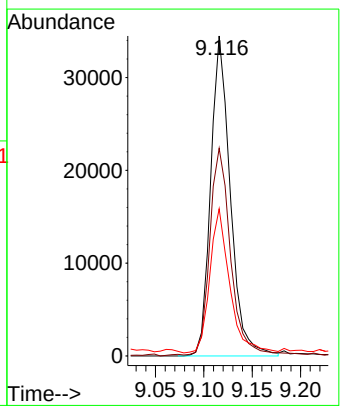


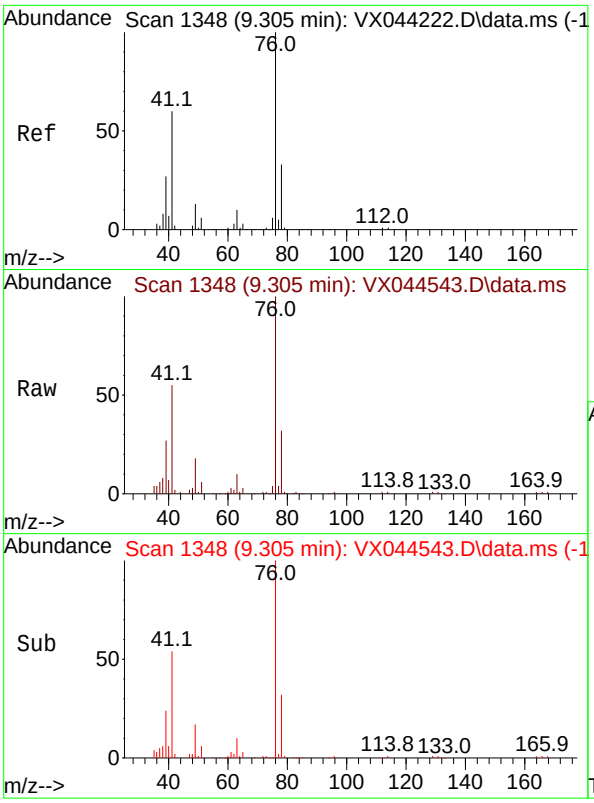


#56
Ethyl methacrylate
Concen: 17.884 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 69 Resp: 48658

Ion	Ratio	Lower	Upper
69	100		
41	70.2	56.6	85.0
39	45.6	37.4	56.0





#57
1,3-Dichloropropane
Concen: 19.017 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 76 Resp: 5704

Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
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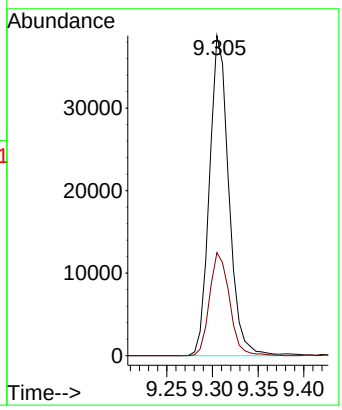
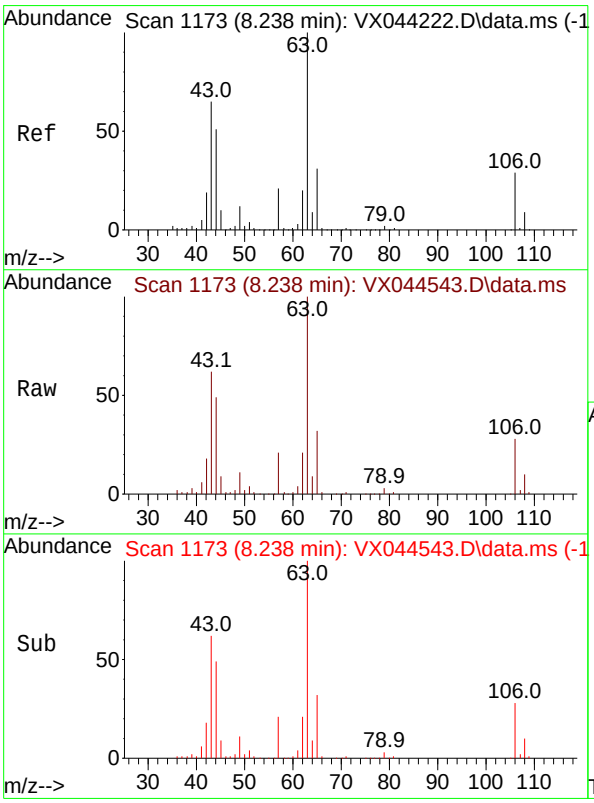
Supervised By :Mahesh Dadoda 12/31/2024

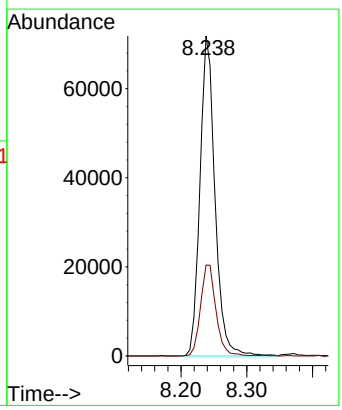


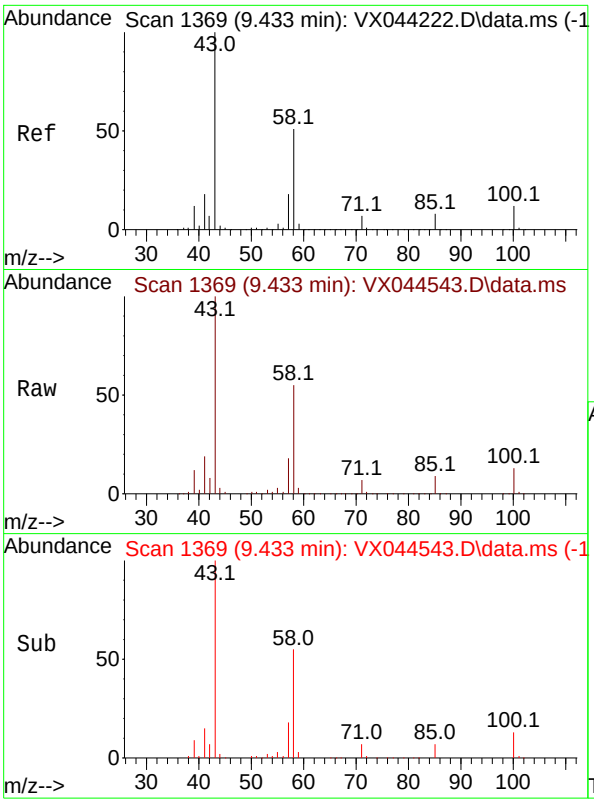


#58
2-Chloroethyl Vinyl ether
Concen: 82.945 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 63 Resp: 113825

Ion	Ratio	Lower	Upper
63	100		
106	29.3	22.8	34.2





#59
2-Hexanone
Concen: 90.950 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 43 Resp: 18608

Ion	Ratio	Lower	Upper
43	100		
58	52.7	25.7	77.0

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
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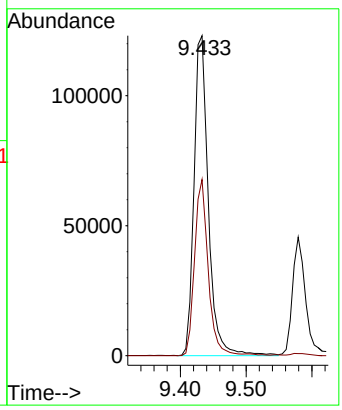
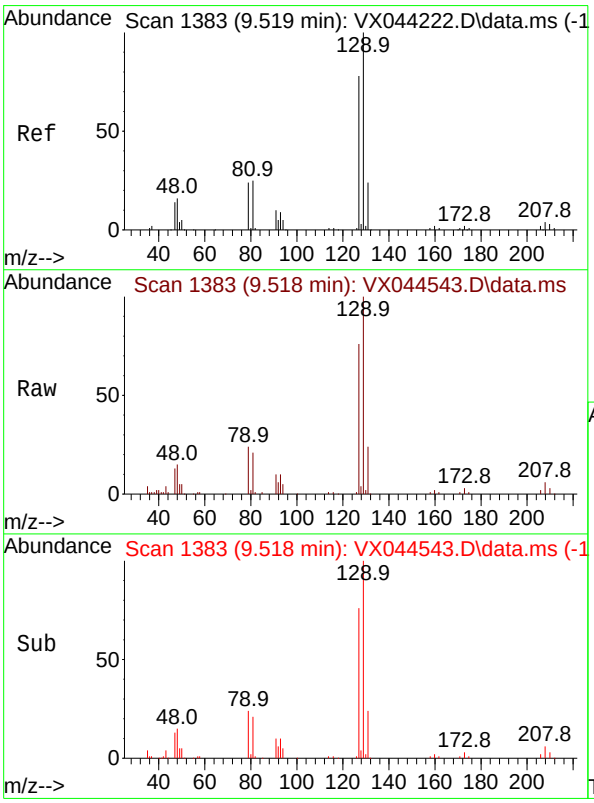
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

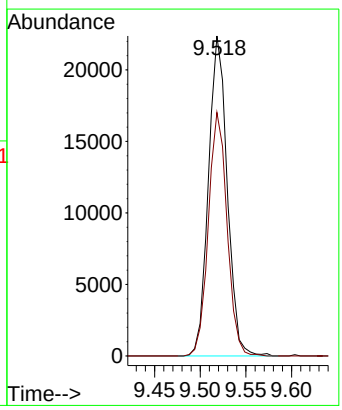


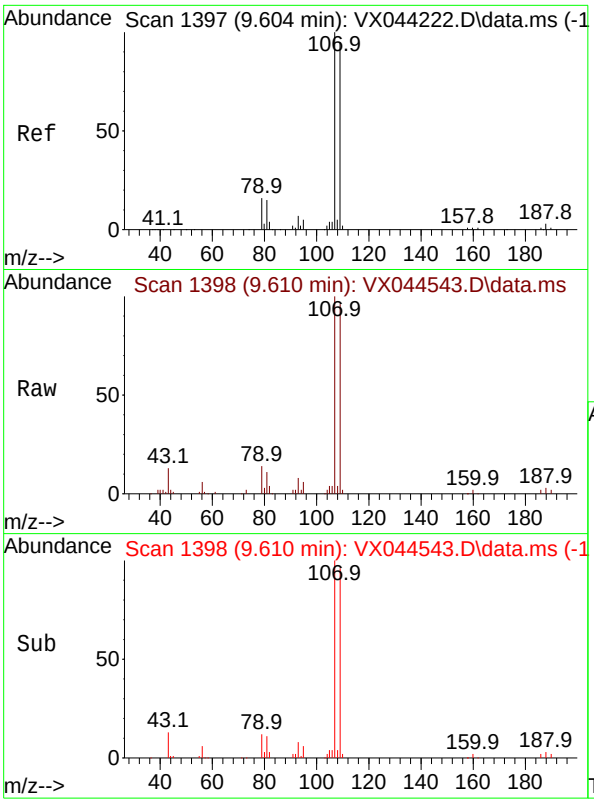


#60
Dibromochloromethane
Concen: 18.797 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:129 Resp: 31945

Ion	Ratio	Lower	Upper
129	100		
127	75.7	38.5	115.3





#61
1,2-Dibromoethane
Concen: 19.998 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:107 Resp: 3508

Ion	Ratio	Lower	Upper
107	100		
109	92.8	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

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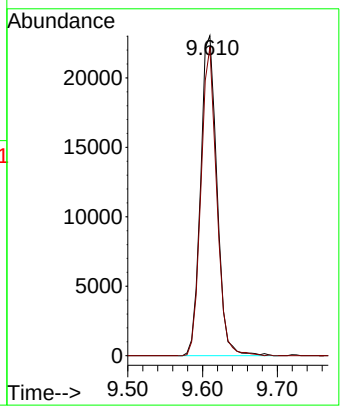
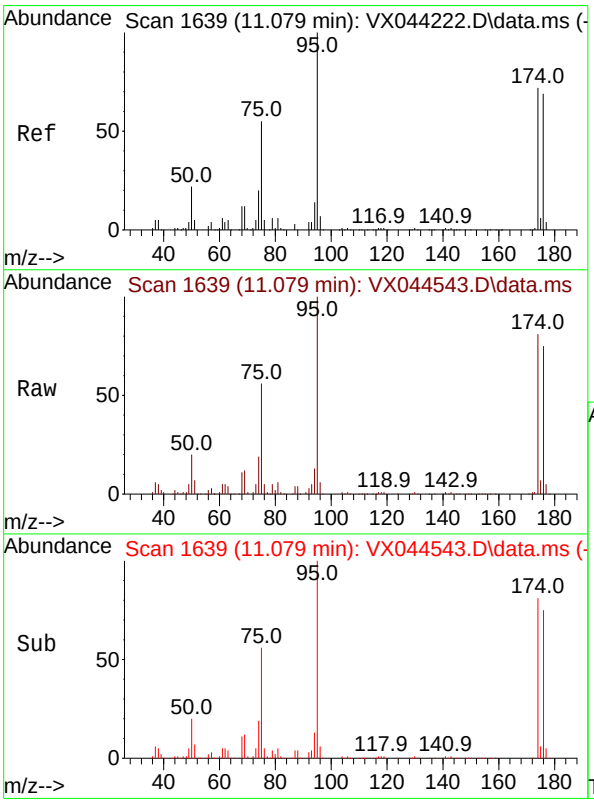
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

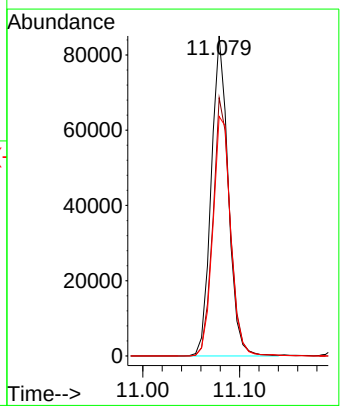


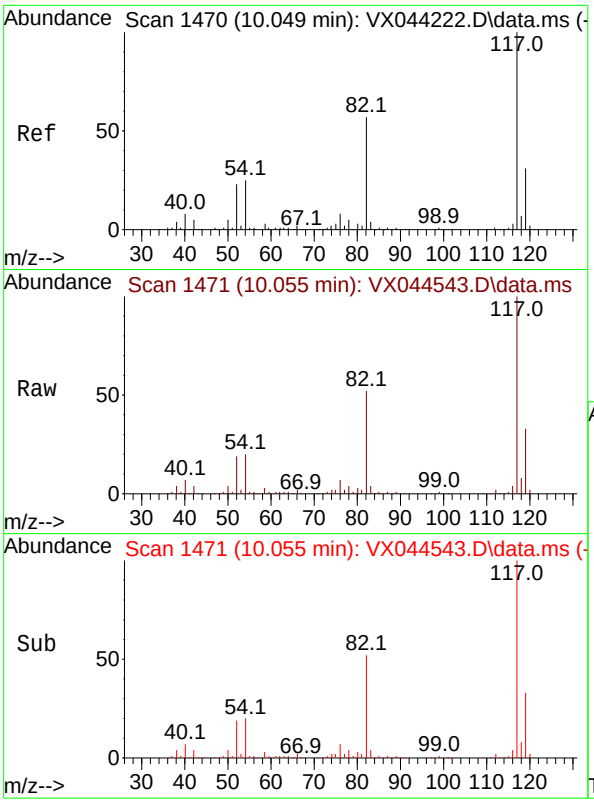


#62
4-Bromofluorobenzene
Concen: 50.111 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 95 Resp: 103985

Ion	Ratio	Lower	Upper
95	100		
174	81.8	0.0	145.8
176	78.6	0.0	137.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:117 Resp: 21978

Ion	Ratio	Lower	Upper
117	100		
82	51.7	45.8	68.8
119	32.7	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
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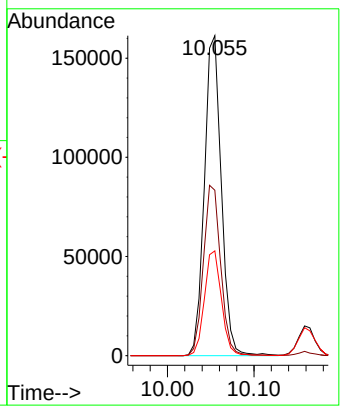
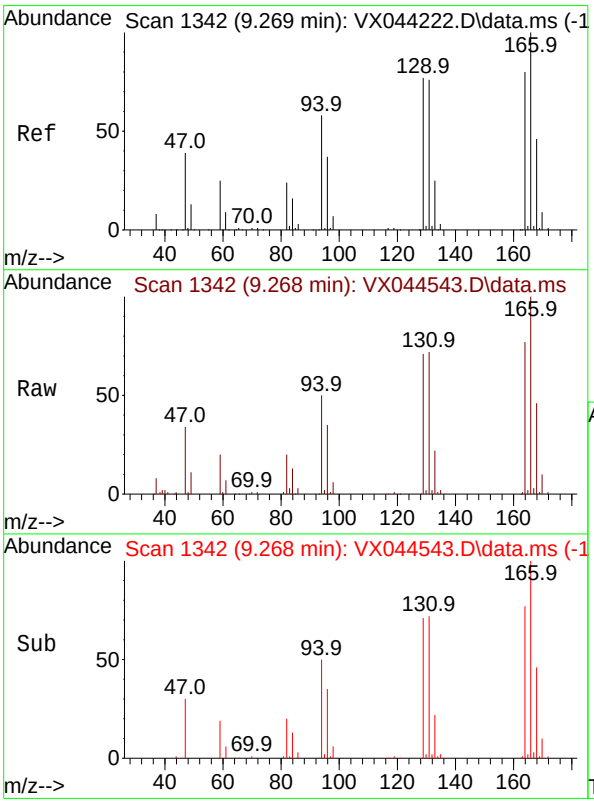
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

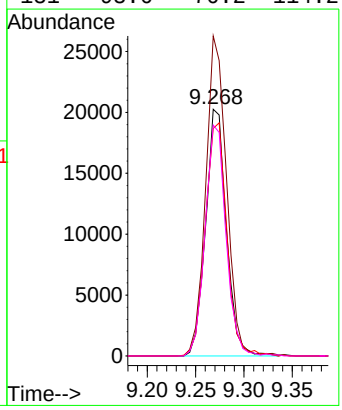


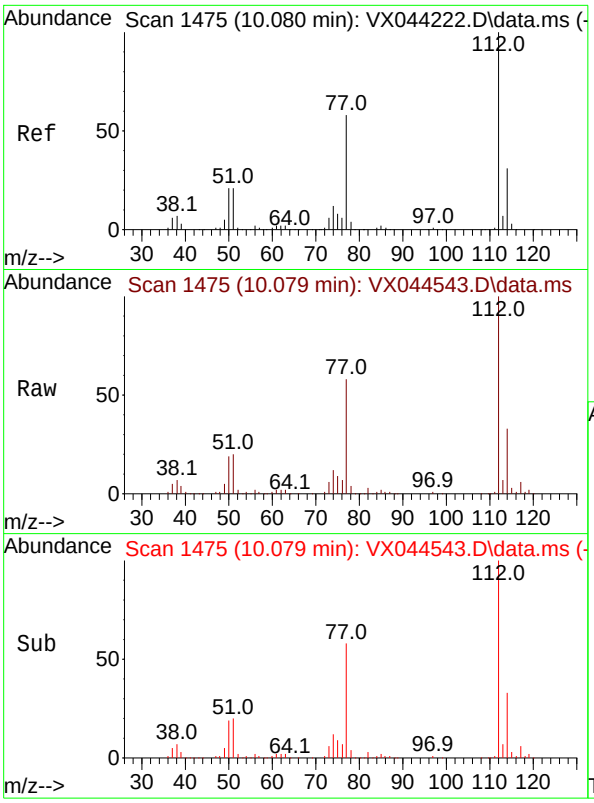


#64
Tetrachloroethene
Concen: 20.671 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:164 Resp: 30154

Ion	Ratio	Lower	Upper
164	100		
166	129.7	100.4	150.6
129	92.2	77.2	115.8
131	93.6	76.2	114.2





#65
Chlorobenzene
Concen: 19.326 ug/l
RT: 10.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

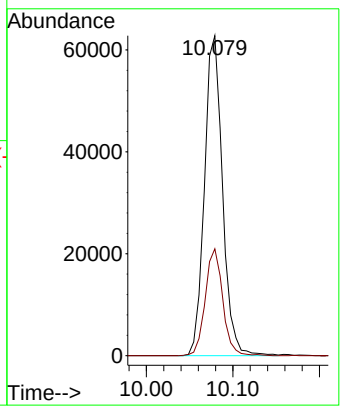
Tgt Ion:112 Resp: 9101

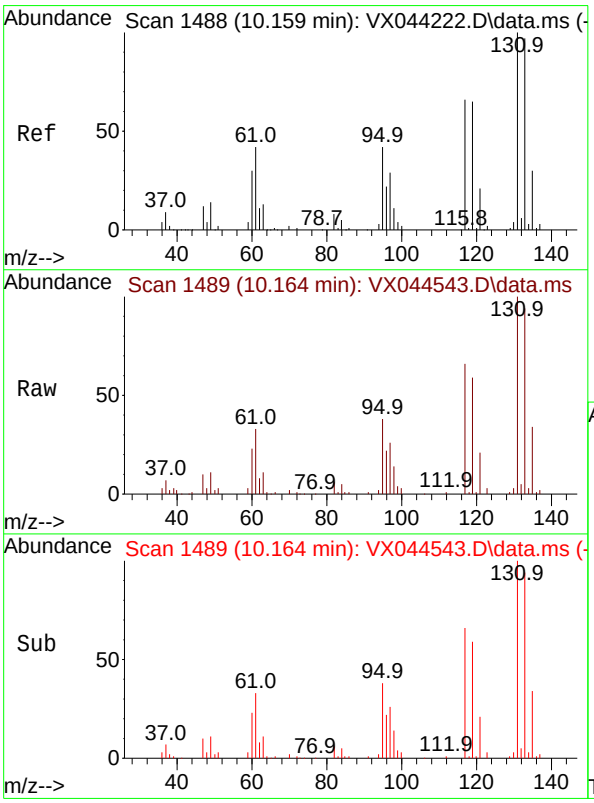
Ion	Ratio	Lower	Upper
112	100		
114	33.4	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

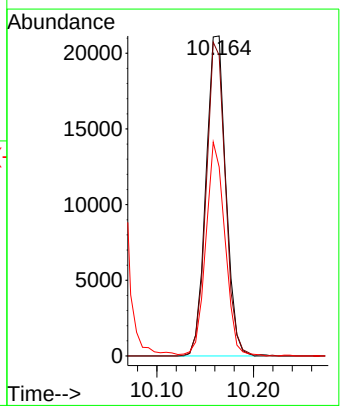


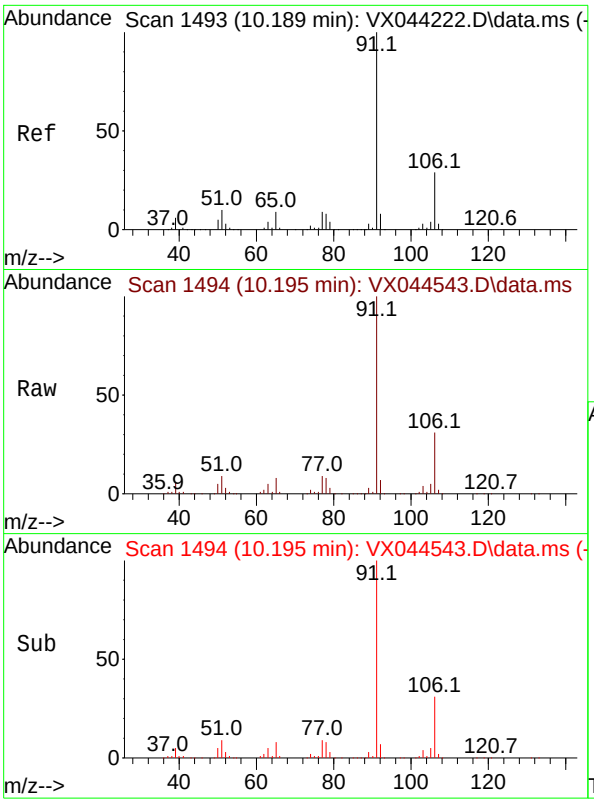


#66
1,1,1,2-Tetrachloroethane
Concen: 19.937 ug/l
RT: 10.164 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:131 Resp: 30176

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.3	141.8
119	64.3	31.6	95.0





#67
Ethyl Benzene
Concen: 18.997 ug/l
RT: 10.195 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

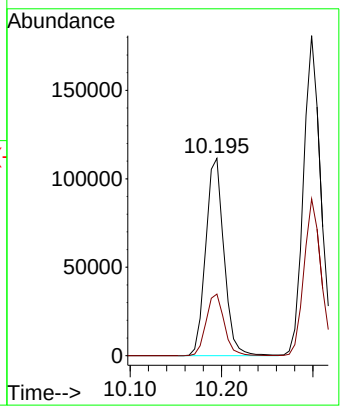
Tgt Ion: 91 Resp: 15458

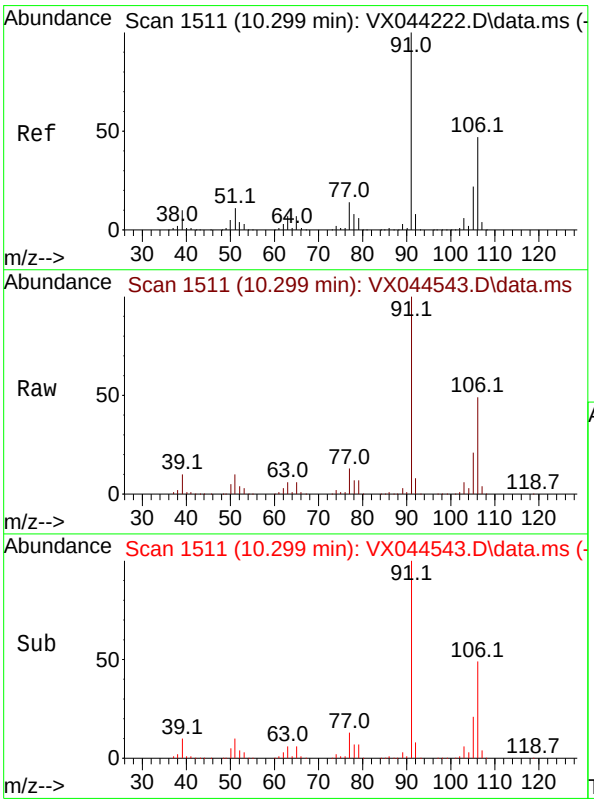
Ion	Ratio	Lower	Upper
91	100		
106	31.3	23.5	35.3

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

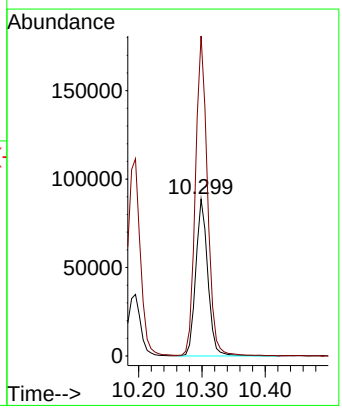


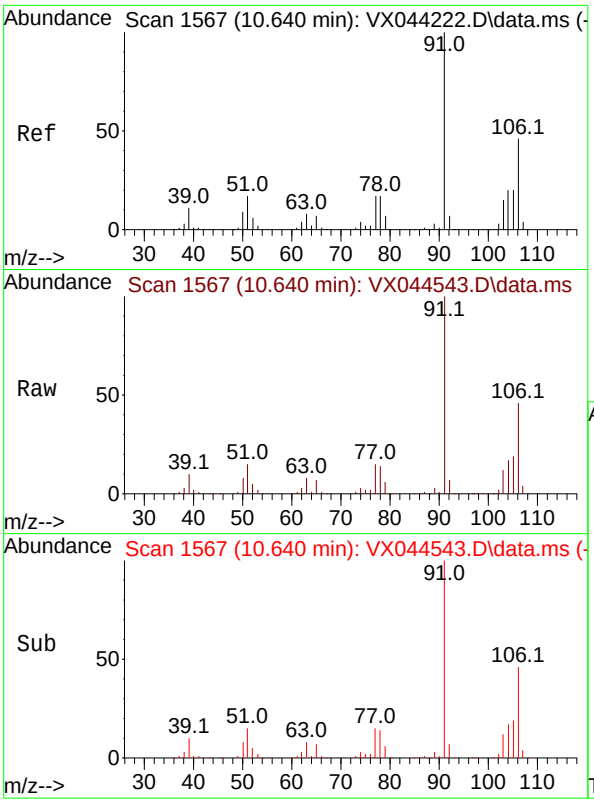


#68
m/p-Xylenes
Concen: 39.398 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:106 Resp: 117637

Ion	Ratio	Lower	Upper
106	100		
91	204.2	170.2	255.2





#69
o-Xylene
Concen: 19.067 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:106 Resp: 5760

Ion	Ratio	Lower	Upper
106	100		
91	220.3	112.3	337.0

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

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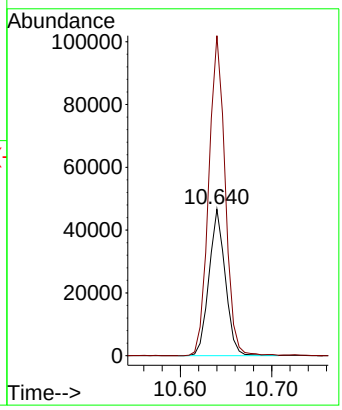
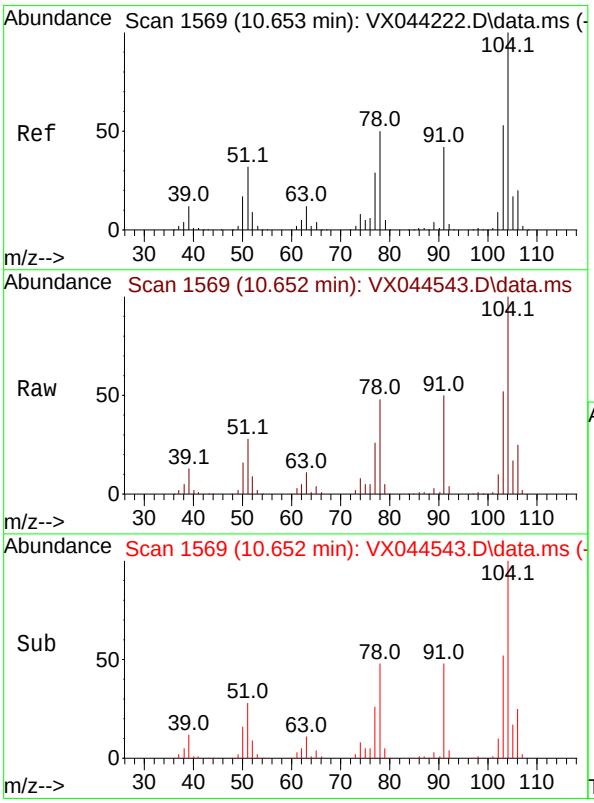
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

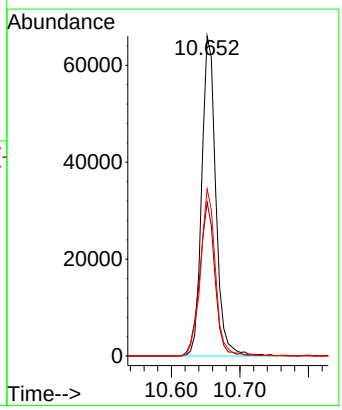


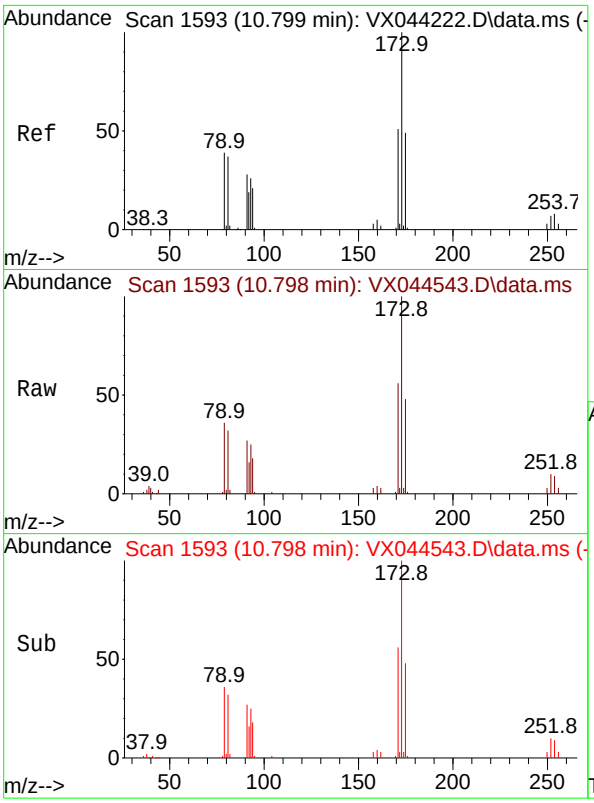


#70
Styrene
Concen: 19.528 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:104 Resp: 94578

Ion	Ratio	Lower	Upper
104	100		
78	52.3	44.6	67.0
103	55.7	45.4	68.0





#71
Bromoform
Concen: 20.029 ug/l
RT: 10.798 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

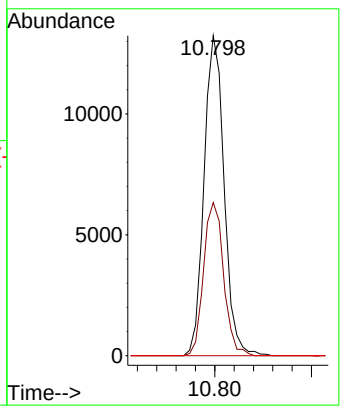
Tgt Ion:173 Resp: 1907

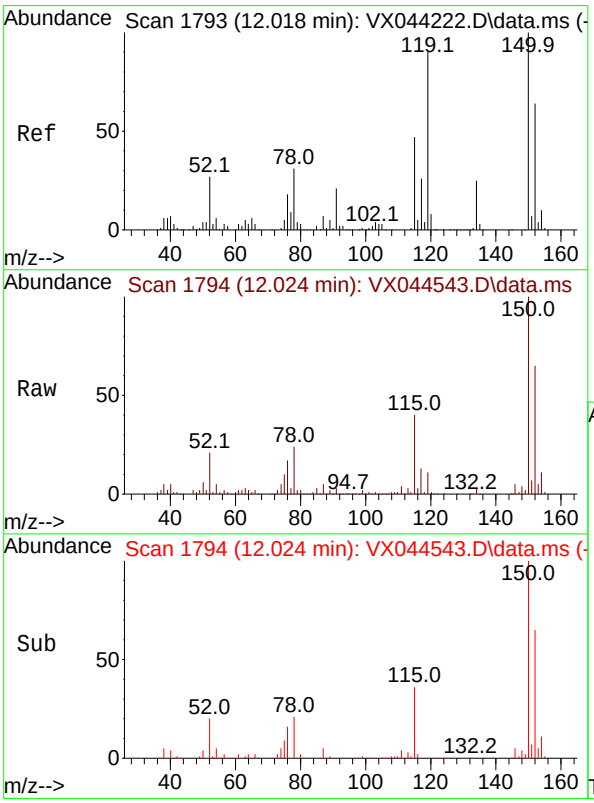
Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.8	71.4
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

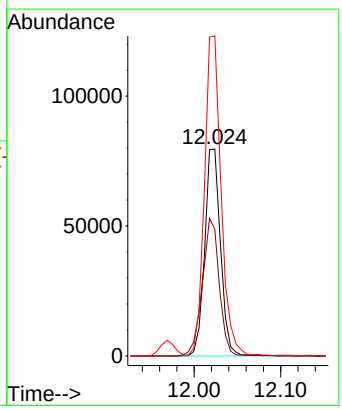


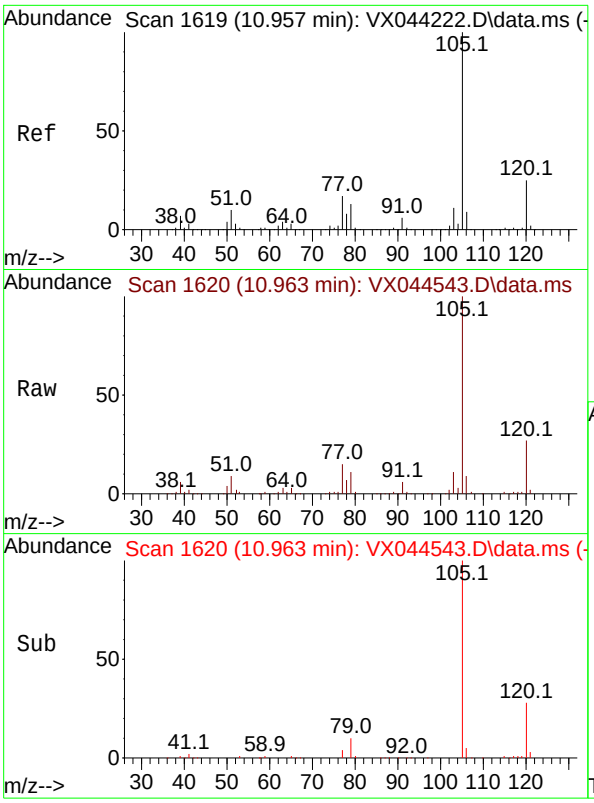


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:152 Resp: 100843

Ion	Ratio	Lower	Upper
152	100		
115	71.1	44.5	133.3
150	162.8	0.0	353.8





#73
Isopropylbenzene
Concen: 19.536 ug/l
RT: 10.963 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:105 Resp: 150815

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.1	39.3

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
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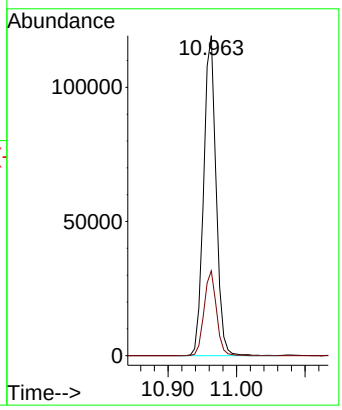
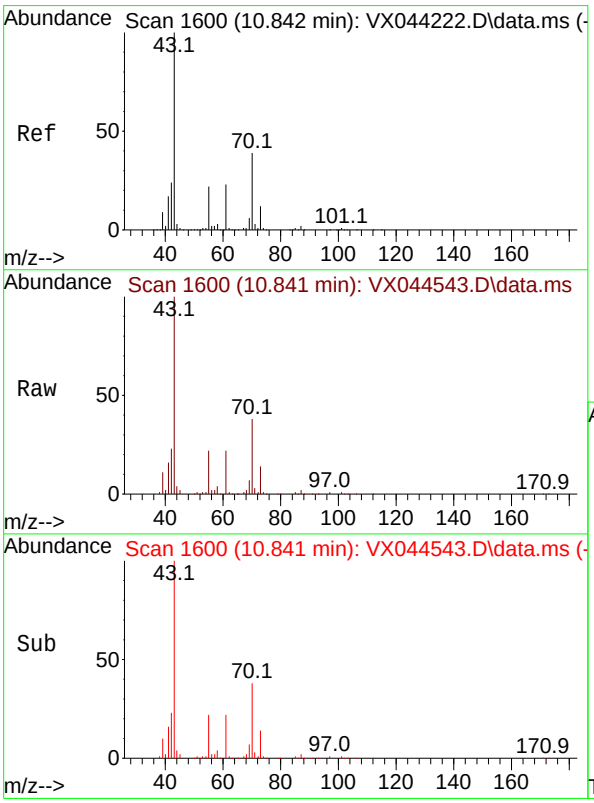
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

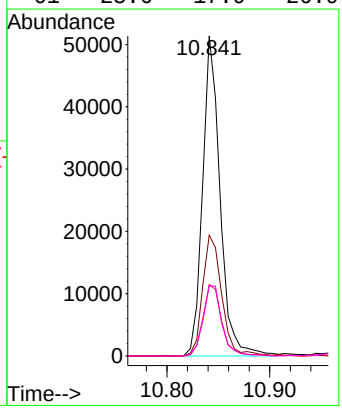


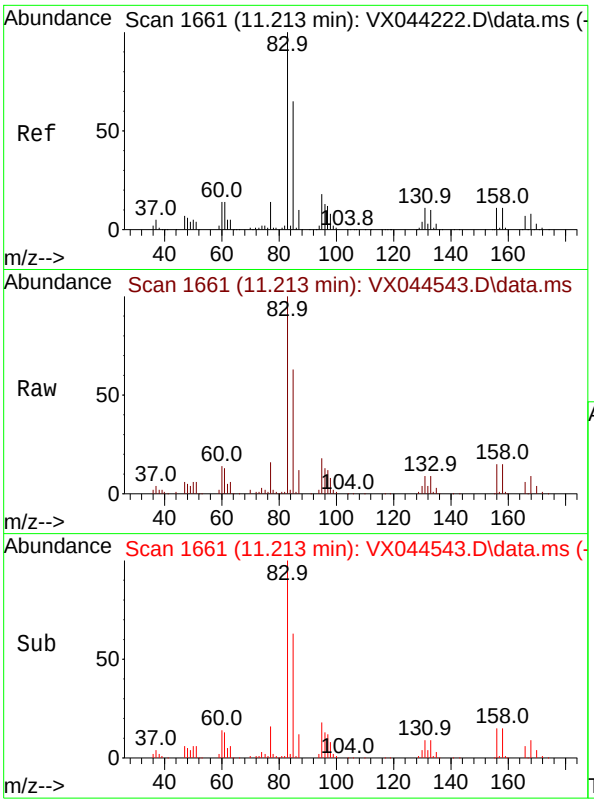


#74
N-amyl acetate
Concen: 17.065 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 43 Resp: 60883

Ion	Ratio	Lower	Upper
43	100		
70	41.2	31.9	47.9
55	23.9	17.9	26.9
61	23.6	17.9	26.9





#75
1,1,2,2-Tetrachloroethane
Concen: 19.420 ug/l
RT: 11.213 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 83 Resp: 5207

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.4
85	64.8	32.5	97.4

Manual Integrations
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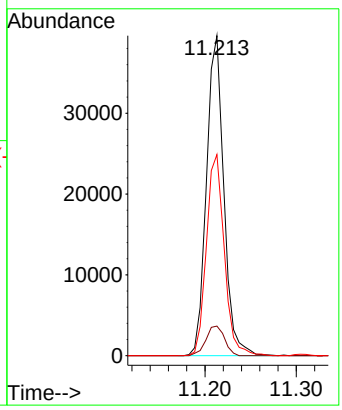
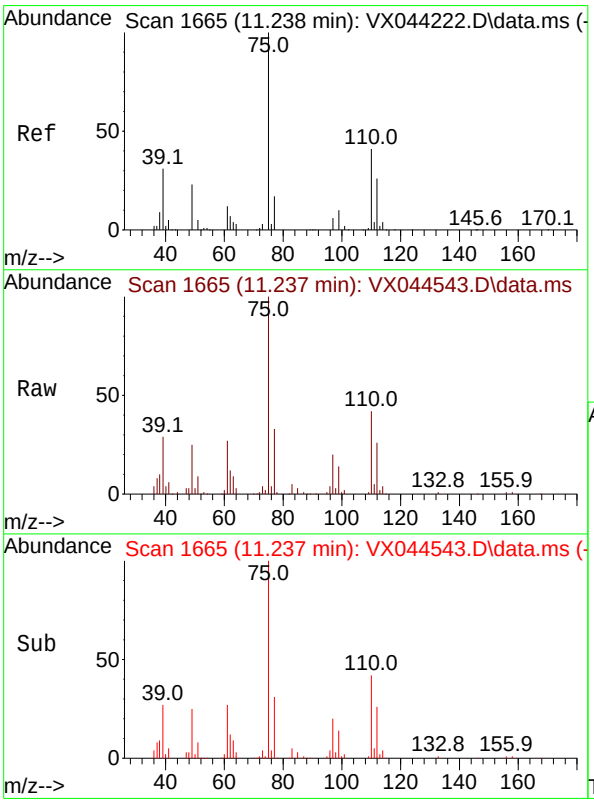
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

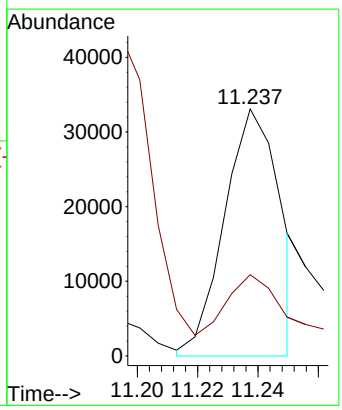


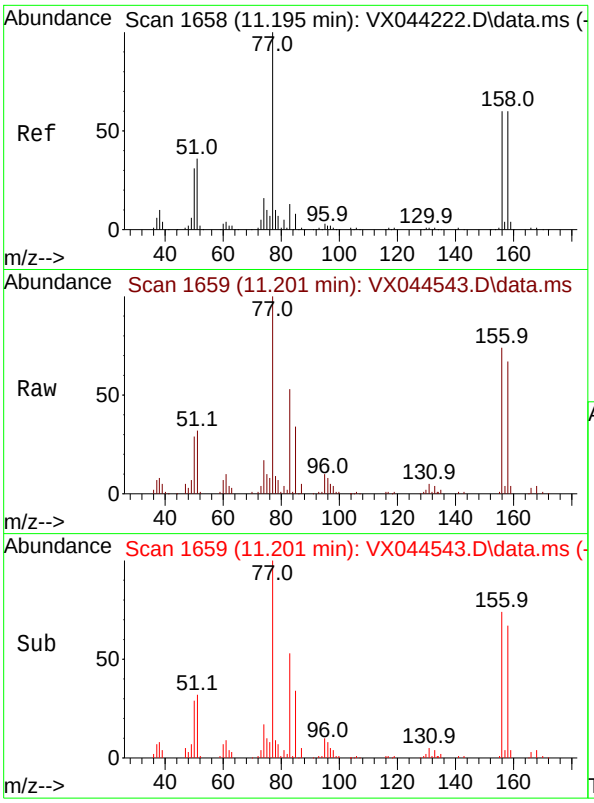


#76
1,2,3-Trichloropropane
Concen: 18.762 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 75 Resp: 42245

Ion	Ratio	Lower	Upper
75	100		
77	42.4	20.9	62.7





#77
Bromobenzene
Concen: 20.493 ug/l
RT: 11.201 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

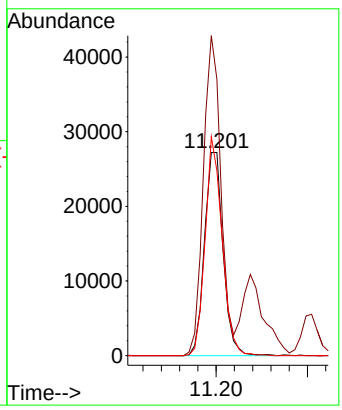
Tgt Ion:156 Resp: 3836

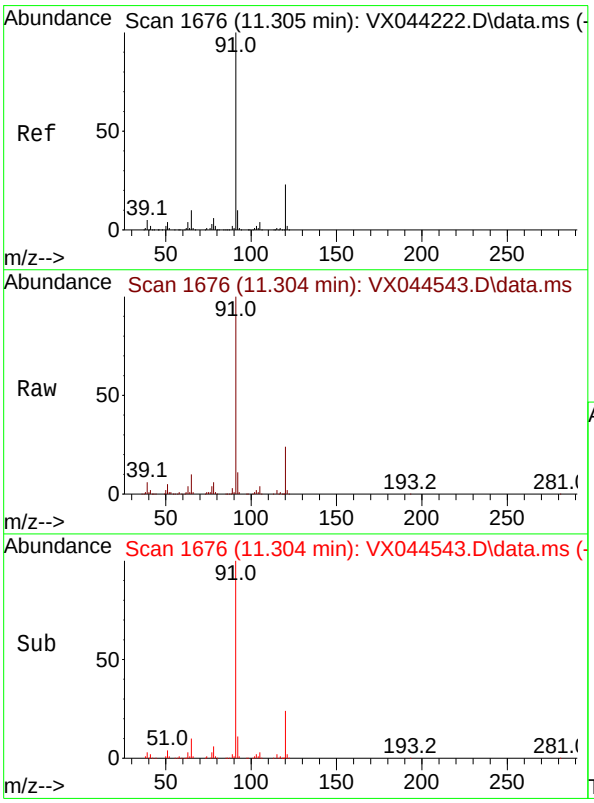
Ion	Ratio	Lower	Upper
156	100		
77	148.4	82.6	247.8
158	98.4	48.8	146.4

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

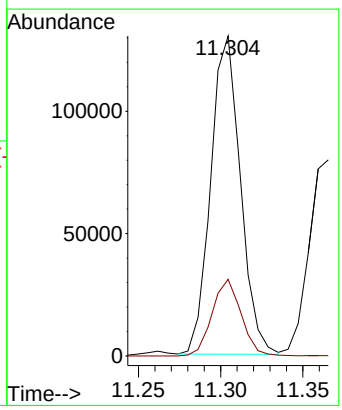


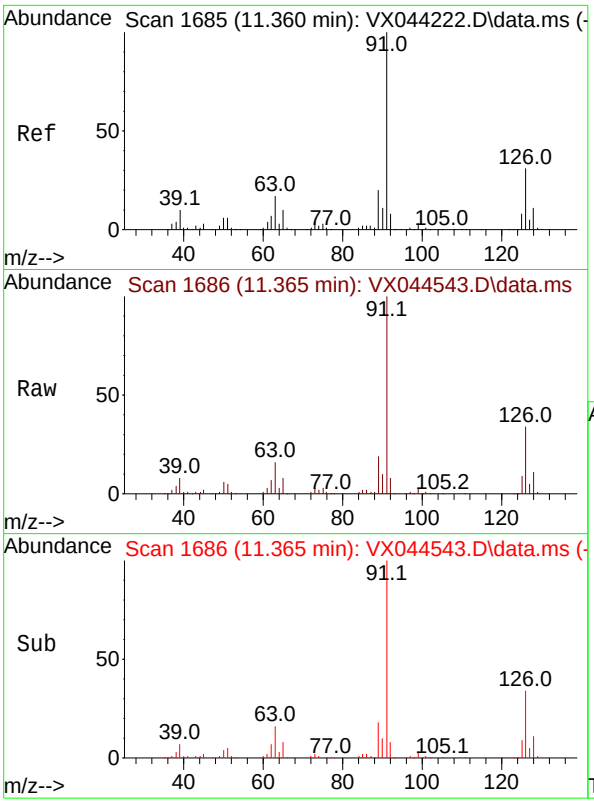


#78
n-propylbenzene
Concen: 19.181 ug/l
RT: 11.304 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 91 Resp: 163660

Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.0	33.0





#79
2-Chlorotoluene
Concen: 18.903 ug/l
RT: 11.365 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 91 Resp: 10431

Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
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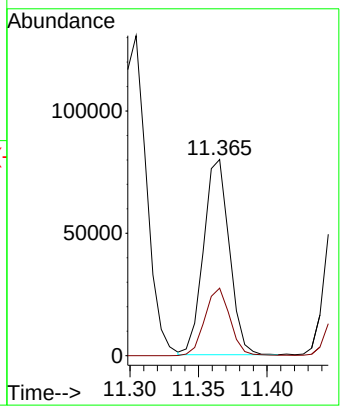
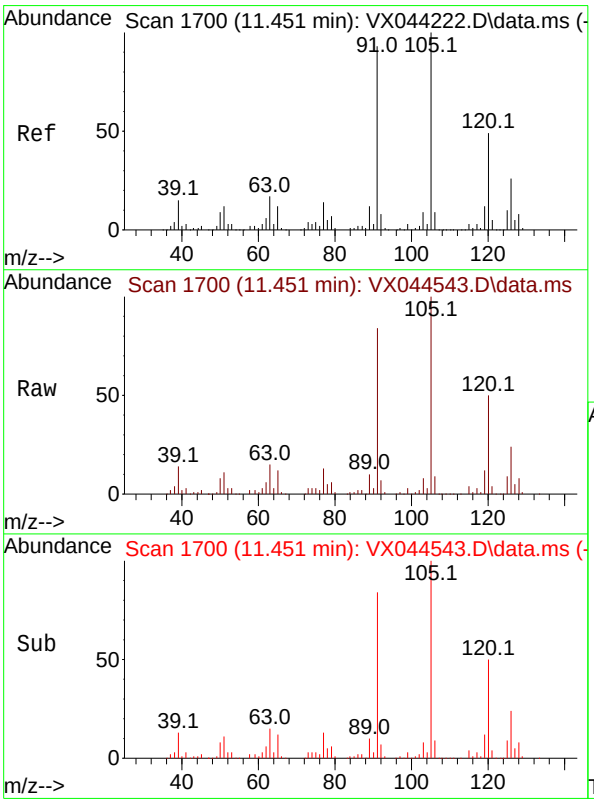
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

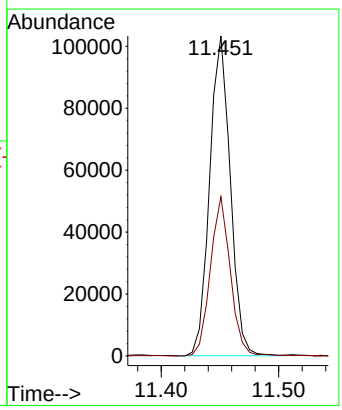


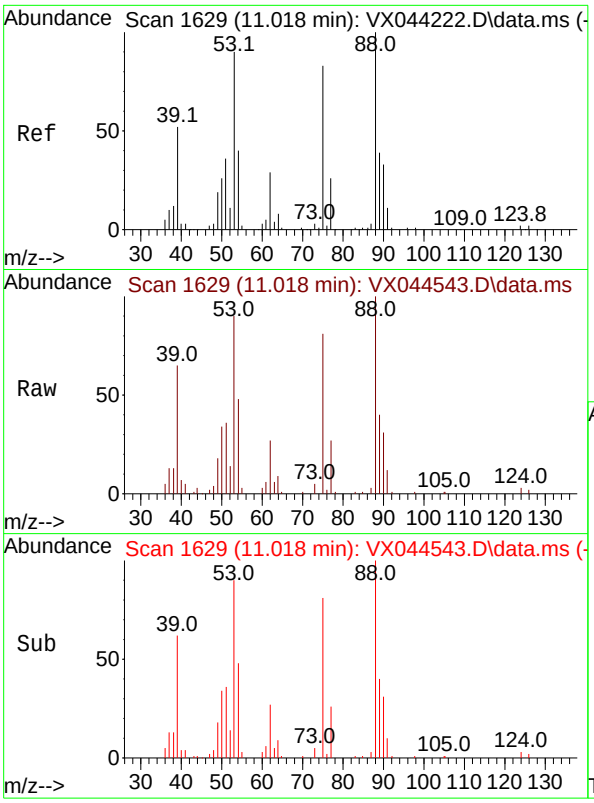


#80
1,3,5-Trimethylbenzene
Concen: 19.674 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:105 Resp: 125956

Ion	Ratio	Lower	Upper
105	100		
120	48.5	23.8	71.4





#81
trans-1,4-Dichloro-2-butene
Concen: 19.517 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 75 Resp: 1232

Ion	Ratio	Lower	Upper
75	100		
53	112.6	93.6	140.4
89	47.7	37.3	55.9

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
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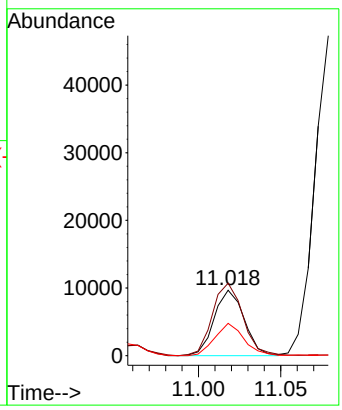
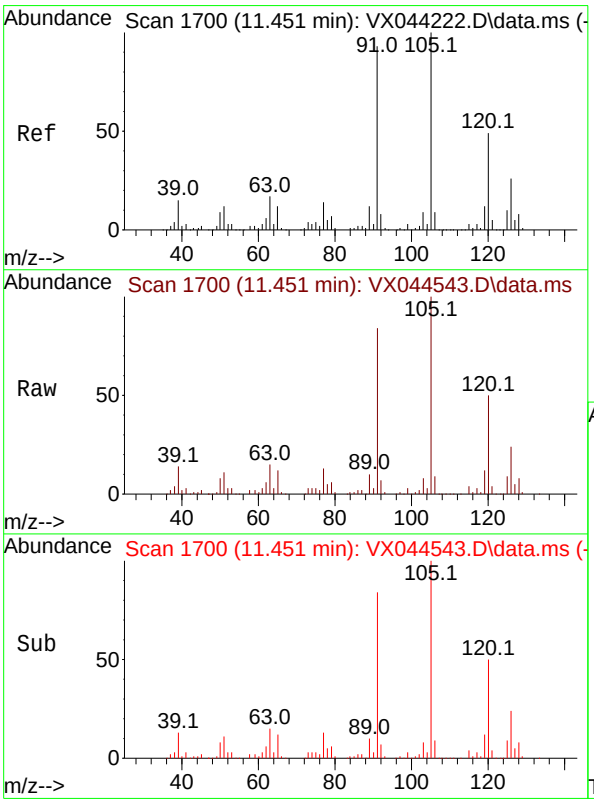
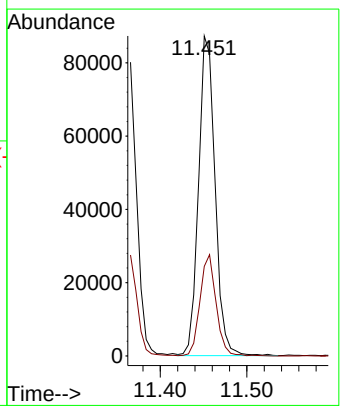


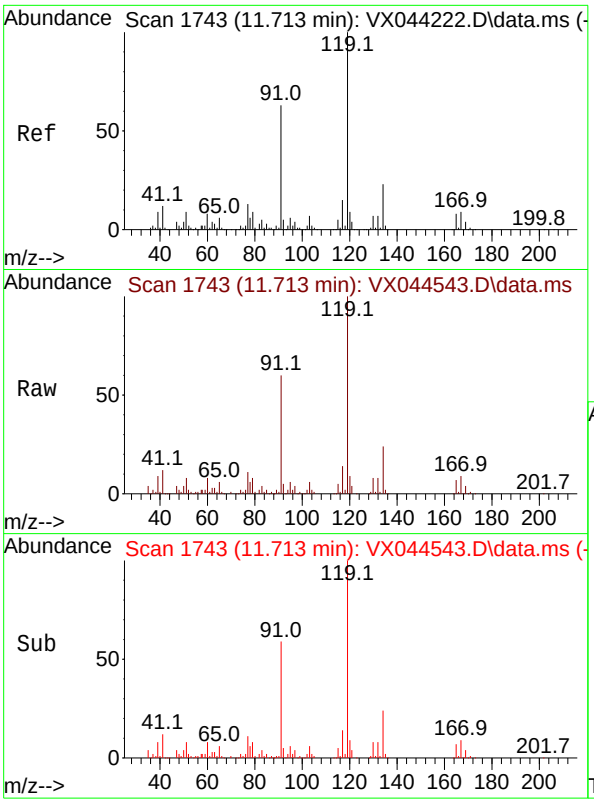


#82
4-Chlorotoluene
Concen: 18.905 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 91 Resp: 115520

Ion	Ratio	Lower	Upper
91	100		
126	31.0	14.5	43.5





#83
tert-Butylbenzene
Concen: 19.605 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:119 Resp: 12403

Ion	Ratio	Lower	Upper
119	100		
91	60.7	30.9	92.5
134	24.9	11.5	34.4

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
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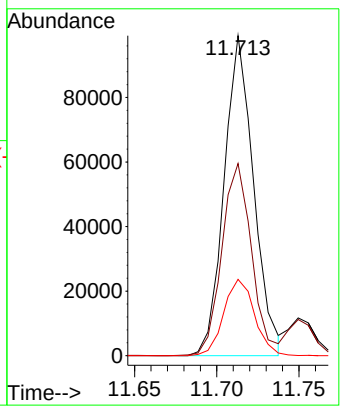
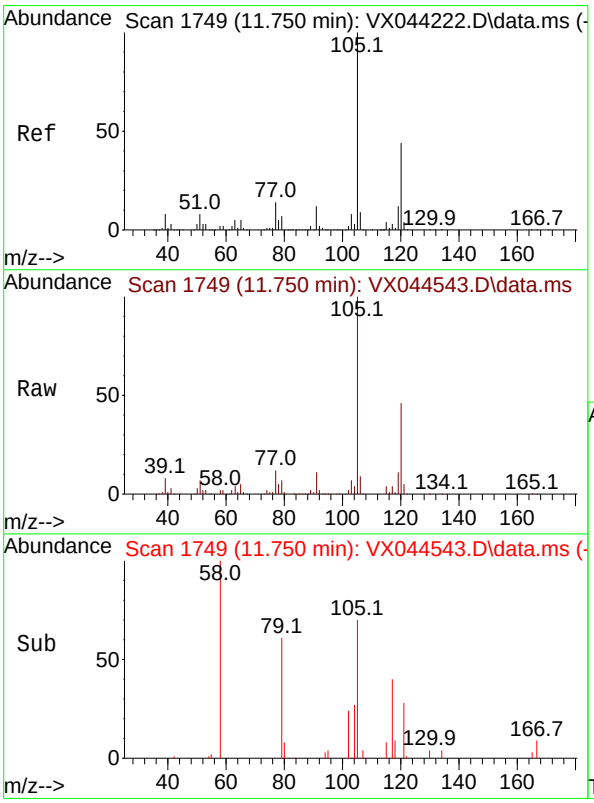
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

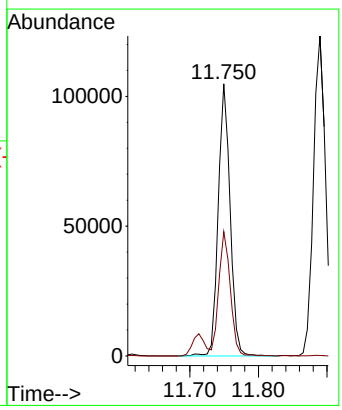


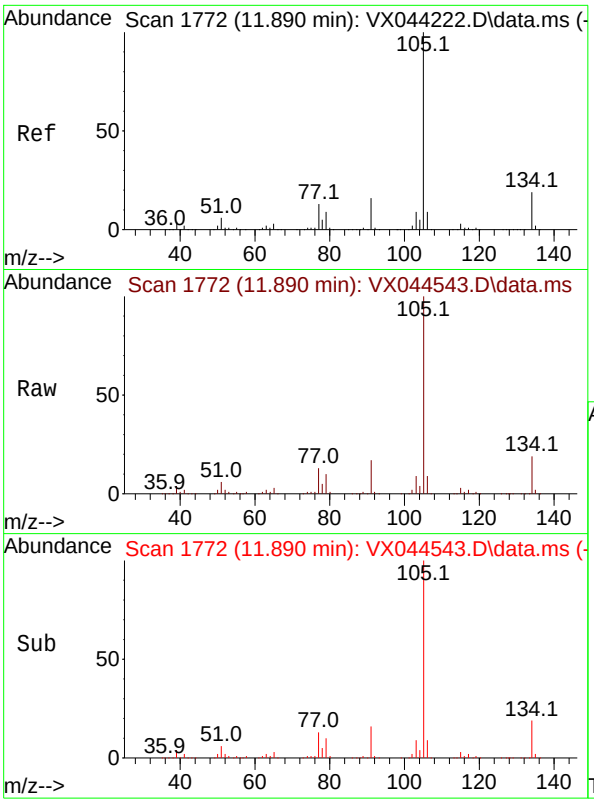


#84
1,2,4-Trimethylbenzene
Concen: 20.023 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:105 Resp: 125891

Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.7	65.1





#85
sec-Butylbenzene
Concen: 19.820 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

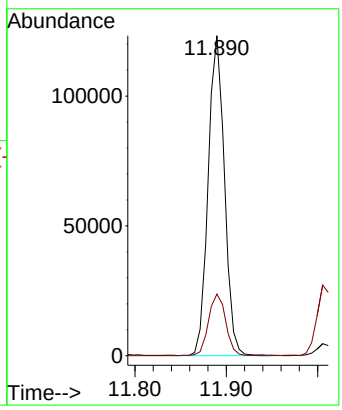
Tgt Ion:105 Resp: 15223

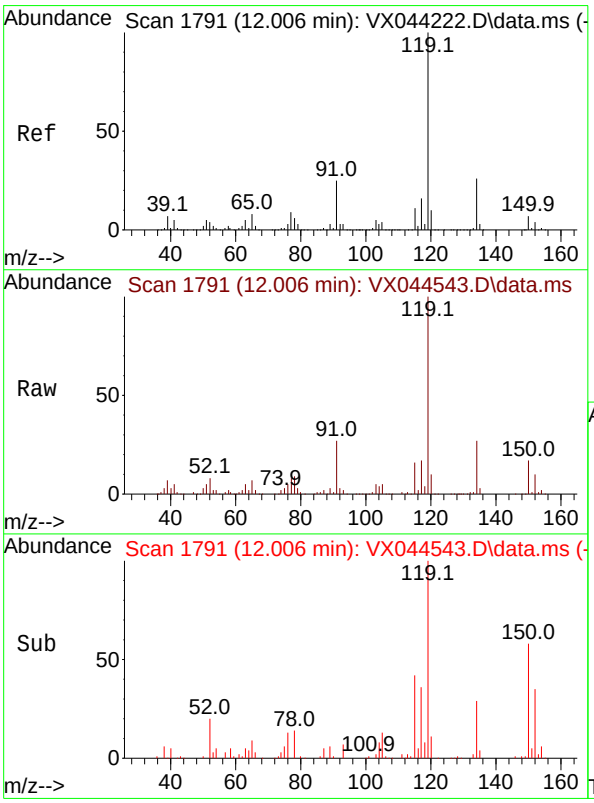
Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

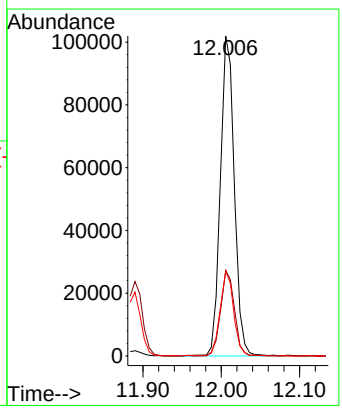


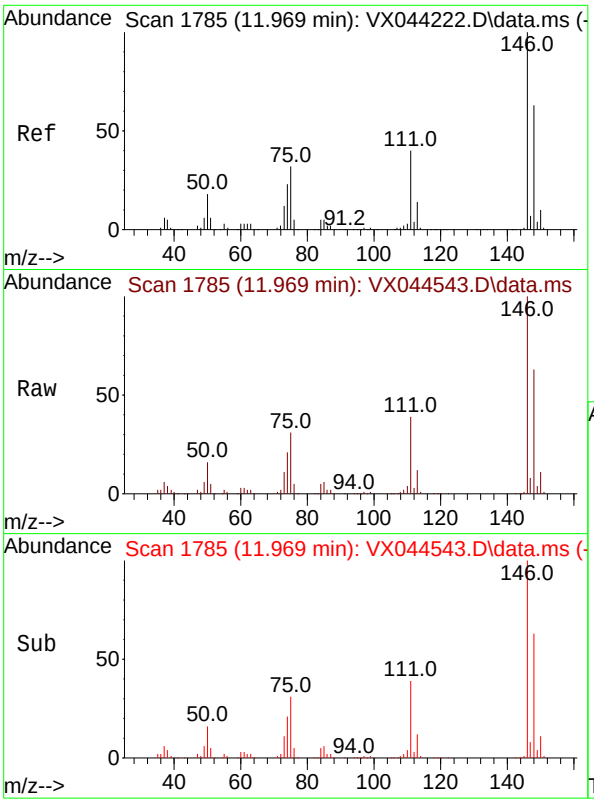


#86
p-Isopropyltoluene
Concen: 19.824 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:119 Resp: 126730

Ion	Ratio	Lower	Upper
119	100		
134	26.6	12.8	38.4
91	25.8	13.0	39.0





#87
1,3-Dichlorobenzene
Concen: 20.481 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

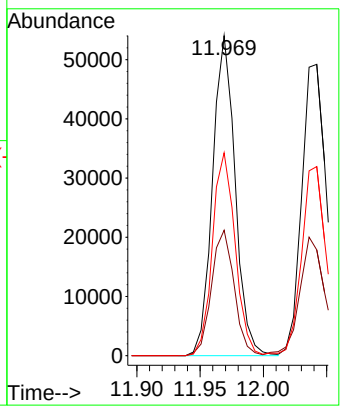
Tgt Ion:146 Resp: 6697

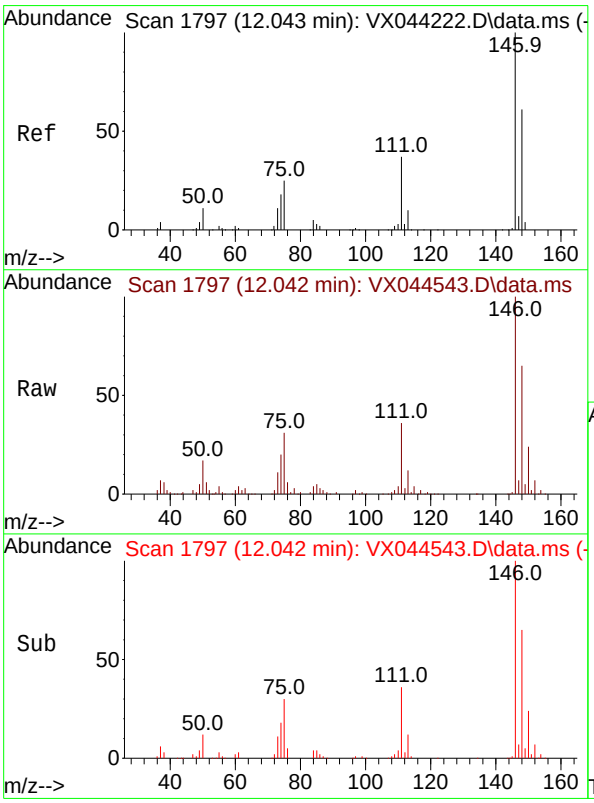
Ion	Ratio	Lower	Upper
146	100		
111	39.4	21.4	64.2
148	63.7	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

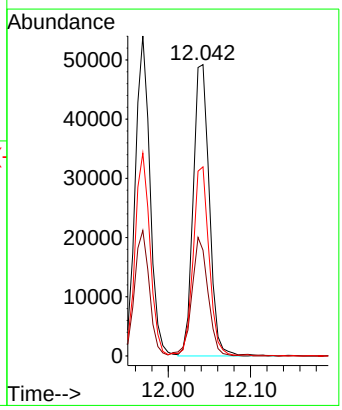


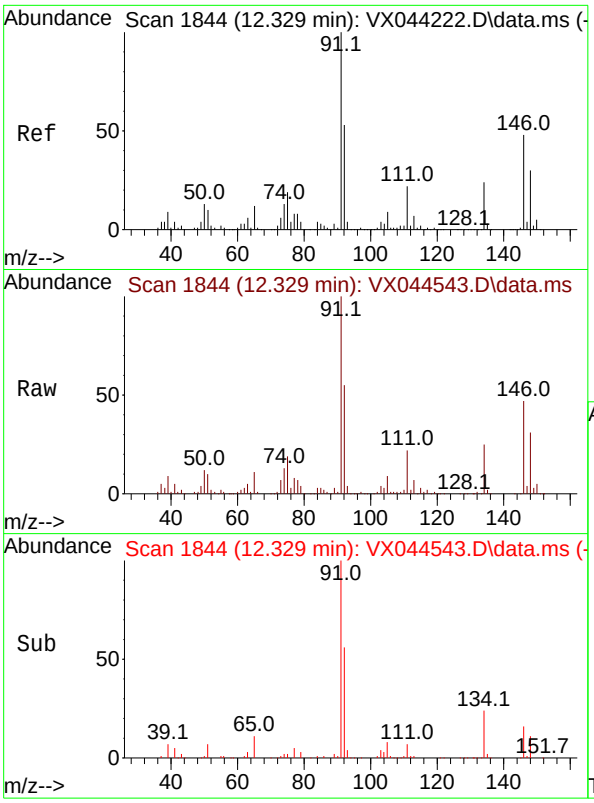


#88
1,4-Dichlorobenzene
Concen: 19.967 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:146 Resp: 67120

Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.0	63.0
148	64.5	32.3	96.8





#89
n-Butylbenzene
Concen: 19.065 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

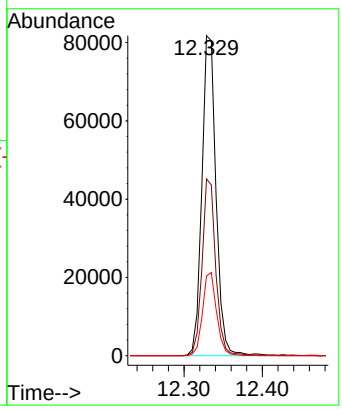
Tgt Ion: 91 Resp: 10248

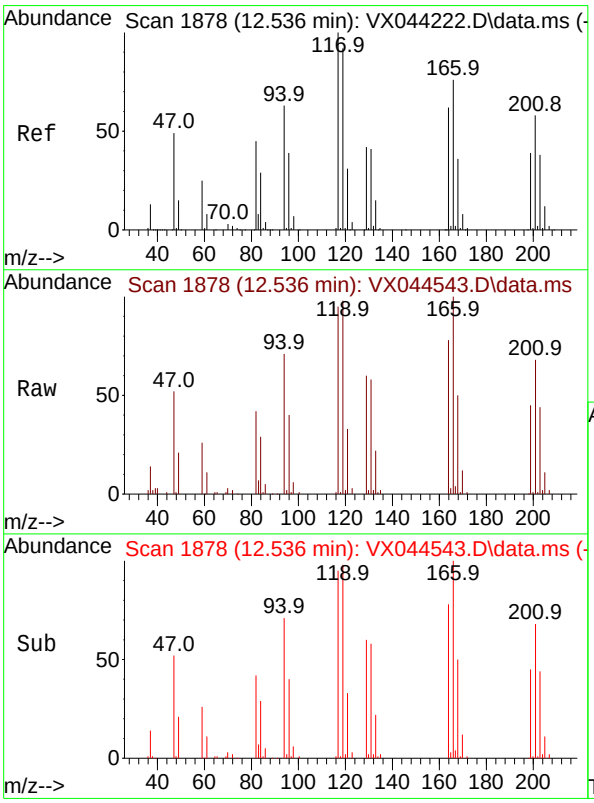
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.7
134	25.7	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

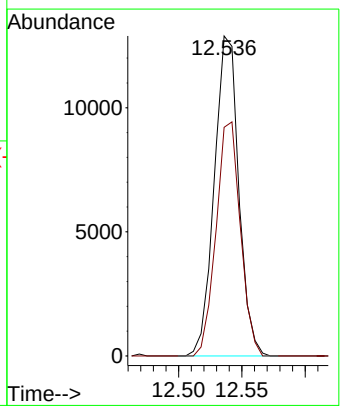


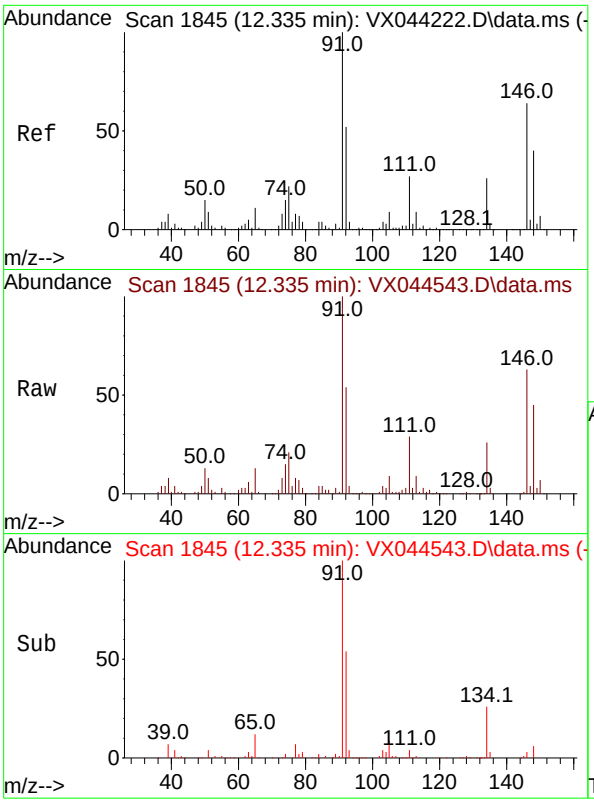


#90
Hexachloroethane
Concen: 18.544 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:117 Resp: 17305

Ion	Ratio	Lower	Upper
117	100		
201	72.7	31.4	94.2





#91
1,2-Dichlorobenzene
Concen: 19.354 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

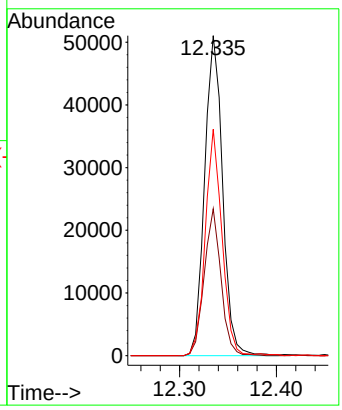
Tgt Ion:146 Resp: 6571

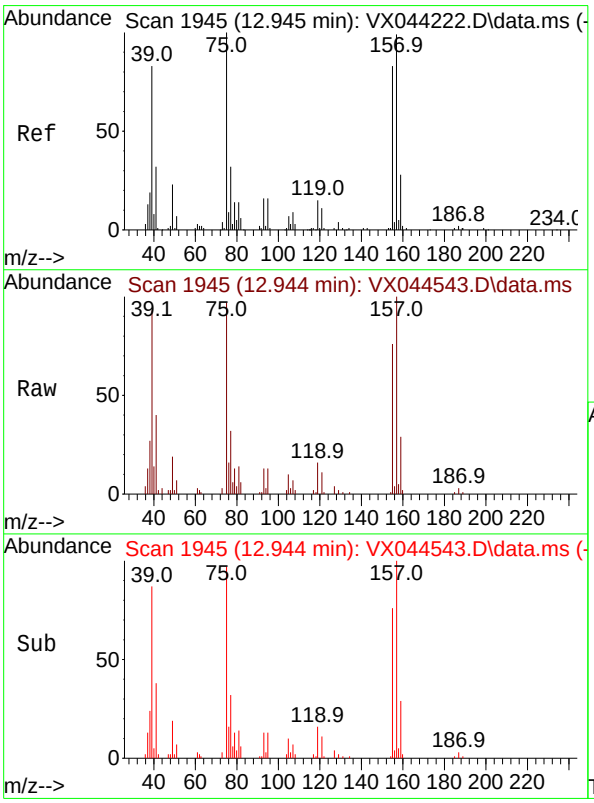
Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.4	64.3
148	66.2	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

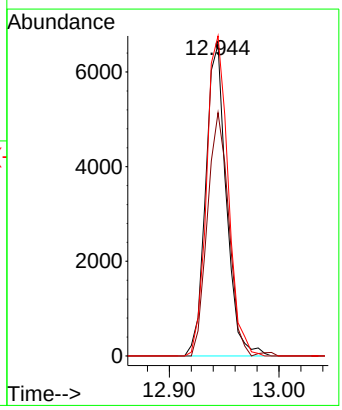


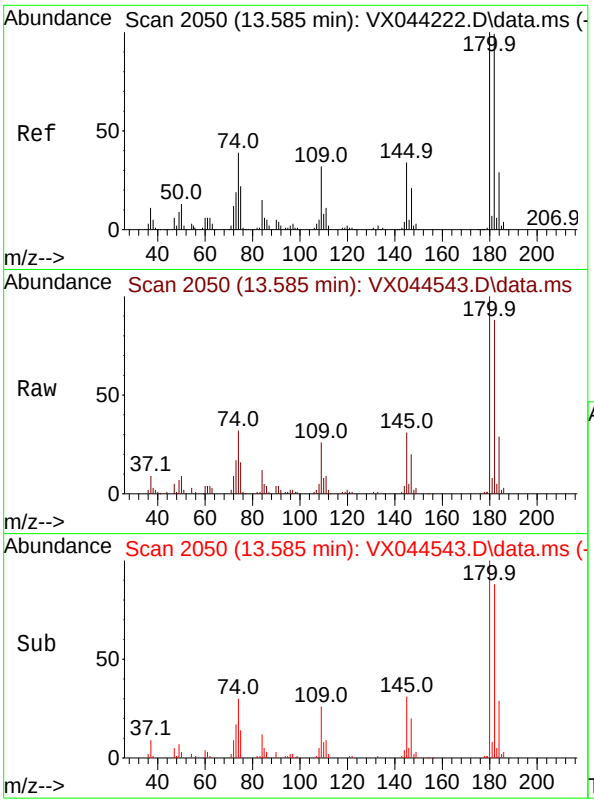


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.555 ug/l
RT: 12.944 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 75 Resp: 8617

Ion	Ratio	Lower	Upper
75	100		
155	80.8	38.1	114.3
157	107.0	47.2	141.6





#93
1,2,4-Trichlorobenzene
Concen: 20.671 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

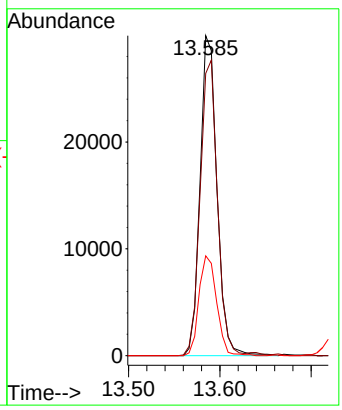
Tgt Ion:180 Resp: 3847

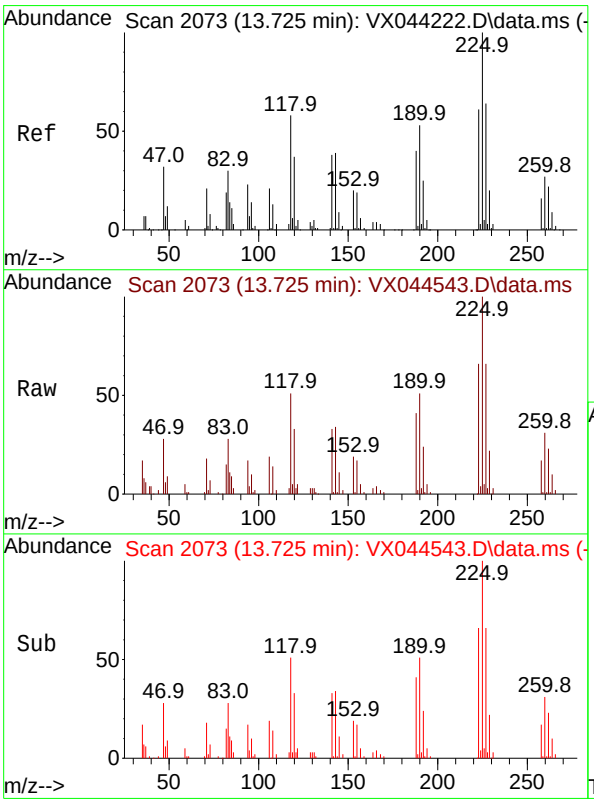
Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.0	144.2
145	32.5	16.6	49.7

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

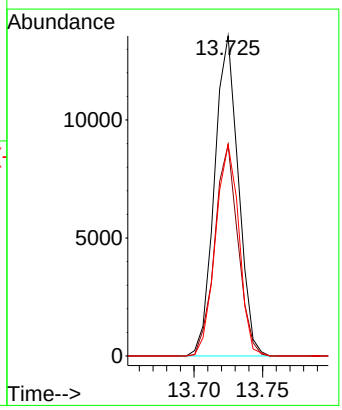


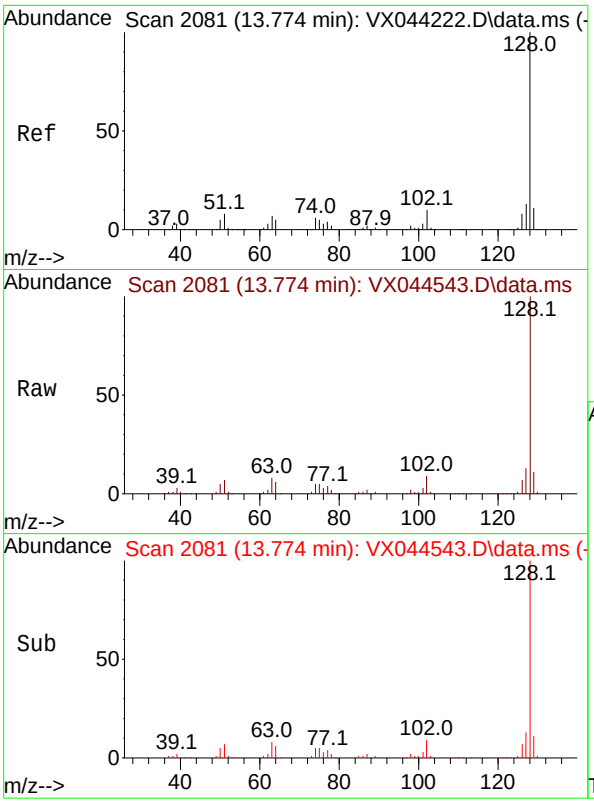


#94
Hexachlorobutadiene
Concen: 21.939 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:225 Resp: 16427

Ion	Ratio	Lower	Upper
225	100		
223	64.4	30.8	92.4
227	64.9	32.1	96.3





#95
Naphthalene
Concen: 18.521 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

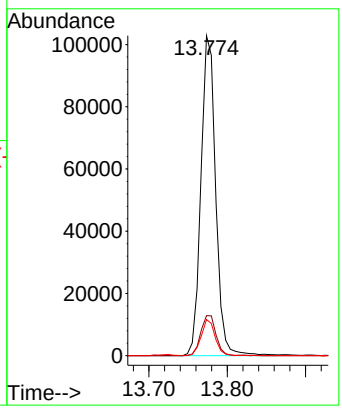
Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

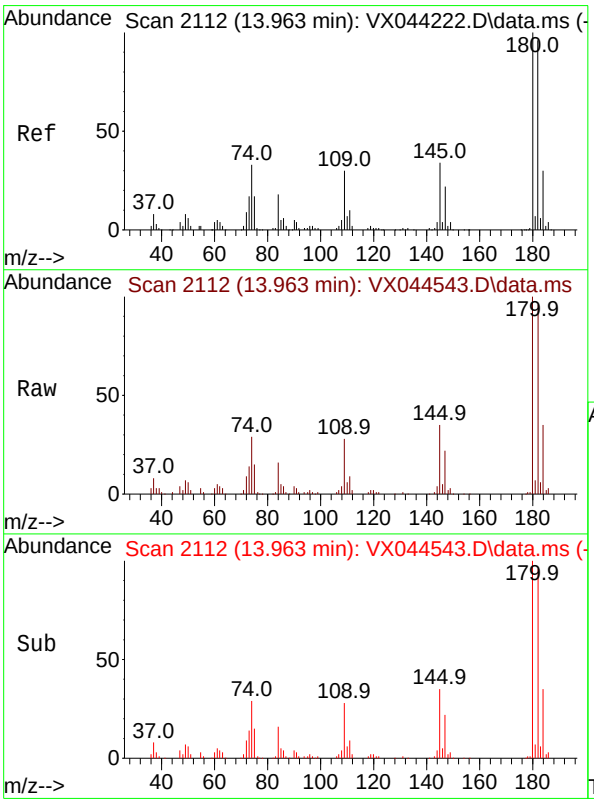
Tgt Ion:128 Resp: 13457

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.8	9.0	13.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

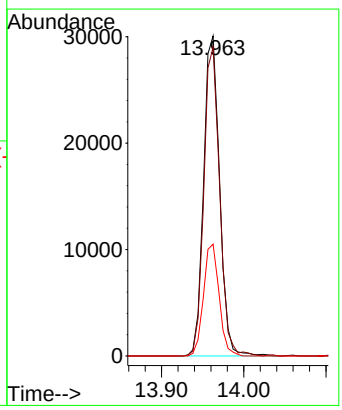




#96
1,2,3-Trichlorobenzene
Concen: 20.557 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:180 Resp: 40587

Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.0	144.0
145	34.2	17.7	53.1



Raw Data: **VX044571.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1231WBS02	SDG No.:	P5376
Lab Sample ID:	VX1231WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044571.D	1		12/31/24 11:12	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	15.7		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	16.4		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	15.9		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	15.8		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	17.7		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	14.5		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.0		0.26	0.75	1.00	ug/L
67-64-1	Acetone	70.9		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	17.2		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	16.0		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	16.0		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	17.2		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.3		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.0		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	16.5		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	76.3		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.4		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.3		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	17.2		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	16.5		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	16.6		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	19.2		0.19	0.50	1.00	ug/L
71-43-2	Benzene	18.9		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.9		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.1		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	17.2		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	18.8		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	84.8		0.75	2.50	5.00	ug/L
108-88-3	Toluene	18.7		0.18	0.50	1.00	ug/L

Raw Data: **VX044571.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1231WBS02	SDG No.:	P5376
Lab Sample ID:	VX1231WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044571.D	1		12/31/24 11:12	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	17.8		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.5		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.2		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	84.9		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	18.4		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.4		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	21.8		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.3		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.0		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.3		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	19.3		0.14	0.50	1.00	ug/L
100-42-5	Styrene	19.5		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	20.8		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.2		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.0		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.0		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.2		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.8		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.6		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.2		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.1		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.1		81 - 118		86%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	158000	5.544				
540-36-3	1,4-Difluorobenzene	263000	6.757				
3114-55-4	Chlorobenzene-d5	220000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	100000	12.018				

Raw Data: **VX044571.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX1231WBS02	SDG No.:	P5376
Lab Sample ID:	VX1231WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044571.D	1		12/31/24 11:12	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Sample Results: **VX044571.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044571.D
Acq On : 31 Dec 2024 11:12
Operator : JC/MD
Sample : VX1231WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jan 01 01:37:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations APPROVED
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	157790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	262850	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	220076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	100083	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	119228	43.096	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 86.200%			
35) Dibromofluoromethane	5.385	113	93532	51.378	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.760%			
50) Toluene-d8	8.647	98	303964	49.491	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.980%			
62) 4-Bromofluorobenzene	11.079	95	100980	47.053	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	38360	15.722	ug/l	91
3) Chloromethane	1.294	50	38210	16.377	ug/l	98
4) Vinyl Chloride	1.374	62	38613	15.886	ug/l	96
5) Bromomethane	1.593	94	27322	15.844	ug/l	98
6) Chloroethane	1.666	64	26754	17.676	ug/l	96
7) Trichlorofluoromethane	1.867	101	69104	14.522	ug/l	99
8) Diethyl Ether	2.136	74	26975	16.607	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	32992	17.134	ug/l	92
10) Methyl Iodide	2.440	142	46691	18.398	ug/l	94
11) Tert butyl alcohol	2.989	59	30147	77.318	ug/l	99
12) 1,1-Dichloroethene	2.306	96	31773	17.965	ug/l	93
13) Acrolein	2.239	56	53128	94.130	ug/l	97
14) Allyl chloride	2.660	41	48299	16.395	ug/l	97
15) Acrylonitrile	3.068	53	88739	82.161	ug/l	98
16) Acetone	2.386	43	80007	70.935	ug/l	93
17) Carbon Disulfide	2.501	76	57765	17.182	ug/l	100
18) Methyl Acetate	2.703	43	46505	15.991	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	110264	15.976	ug/l	98
20) Methylene Chloride	2.782	84	36472	17.216	ug/l	92
21) trans-1,2-Dichloroethene	3.087	96	32540	17.311	ug/l	93
22) Diisopropyl ether	3.763	45	104481	15.750	ug/l	95
23) Vinyl Acetate	3.721	43	454330	84.242	ug/l	98
24) 1,1-Dichloroethane	3.605	63	63004	17.039	ug/l	99
25) 2-Butanone	4.562	43	122309	76.278	ug/l	100
26) 2,2-Dichloropropane	4.471	77	50785	16.906	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	41301	17.301	ug/l	93
28) Bromochloromethane	4.897	49	31147	17.178	ug/l	94
29) Tetrahydrofuran	5.007	42	79881	77.614	ug/l	99
30) Chloroform	5.086	83	68529	16.495	ug/l	98
31) Cyclohexane	5.458	56	49263	16.498	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	57172	16.578	ug/l	97
36) 1,1-Dichloropropene	5.690	75	42990	18.269	ug/l	98
37) Ethyl Acetate	4.714	43	49505	17.019	ug/l	97
38) Carbon Tetrachloride	5.665	117	46703	18.434	ug/l	97
39) Methylcyclohexane	7.373	83	54140	19.245	ug/l	95
40) Benzene	6.031	78	135026	18.899	ug/l	98

Sample Results: **VX044571.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044571.D
Acq On : 31 Dec 2024 11:12
Operator : JC/MD
Sample : VX1231WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jan 01 01:37:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
APPROVED
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	25668	16.618 ug/l	94
42) 1,2-Dichloroethane	6.080	62	52618	17.878 ug/l	98
43) Isopropyl Acetate	6.342	43	75184	16.537 ug/l	96
44) Trichloroethene	7.123	130	34047	19.109 ug/l	94
45) 1,2-Dichloropropane	7.427	63	31386	17.194 ug/l	97
46) Dibromomethane	7.580	93	26852	18.962 ug/l	95
47) Bromodichloromethane	7.818	83	45988	18.804 ug/l	99
48) Methyl methacrylate	7.690	41	36713	16.635 ug/l	96
49) 1,4-Dioxane	7.665	88	10573	288.949 ug/l #	67
51) 4-Methyl-2-Pentanone	8.574	43	247908	84.804 ug/l	98
52) Toluene	8.714	92	83762	18.669 ug/l	97
53) t-1,3-Dichloropropene	8.976	75	43434	17.763 ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	49307	18.516 ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	34200	19.187 ug/l	98
56) Ethyl methacrylate	9.116	69	49494	17.589 ug/l	98
57) 1,3-Dichloropropane	9.305	76	57637	18.578 ug/l	96
58) 2-Chloroethyl Vinyl ether	8.238	63	105524	74.352 ug/l	97
59) 2-Hexanone	9.433	43	179685	84.919 ug/l	98
60) Dibromochloromethane	9.518	129	32332	18.428 ug/l	100
61) 1,2-Dibromoethane	9.610	107	35197	19.399 ug/l	96
64) Tetrachloroethene	9.269	164	31847	21.803 ug/l	94
65) Chlorobenzene	10.079	112	91033	19.304 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	31287	20.644 ug/l	98
67) Ethyl Benzene	10.189	91	154680	18.984 ug/l	98
68) m/p-Xylenes	10.299	106	117612	39.337 ug/l	95
69) o-Xylene	10.640	106	58437	19.317 ug/l	94
70) Styrene	10.652	104	94475	19.481 ug/l	96
71) Bromoform	10.799	173	19902	20.788 ug/l #	97
73) Isopropylbenzene	10.963	105	147179	19.210 ug/l	100
74) N-amyl acetate	10.841	43	61031	17.236 ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	50455	18.960 ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	41254m	18.461 ug/l	
77) Bromobenzene	11.195	156	37903	20.401 ug/l	91
78) n-propylbenzene	11.305	91	161531	19.075 ug/l	97
79) 2-Chlorotoluene	11.360	91	101236	18.485 ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	124209	19.549 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	11717	18.927 ug/l	94
82) 4-Chlorotoluene	11.451	91	112294	18.516 ug/l	97
83) tert-Butylbenzene	11.713	119	122030	19.434 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	124140	19.894 ug/l	100
85) sec-Butylbenzene	11.890	105	146216	19.181 ug/l	98
86) p-Isopropyltoluene	12.006	119	125017	19.704 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	64797	19.966 ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	64153	19.230 ug/l	99
89) n-Butylbenzene	12.329	91	97910	18.352 ug/l	99
90) Hexachloroethane	12.536	117	17323	18.704 ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	66845	19.837 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8588	16.624 ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	37288	20.183 ug/l	99
94) Hexachlorobutadiene	13.725	225	16792	22.597 ug/l	98
95) Naphthalene	13.774	128	131034	18.171 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	39293	20.053 ug/l	98

Sample Results: **VX044571.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044571.D
Acq On : 31 Dec 2024 11:12
Operator : JC/MD
Sample : VX1231WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Quant Time: Jan 01 01:37:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

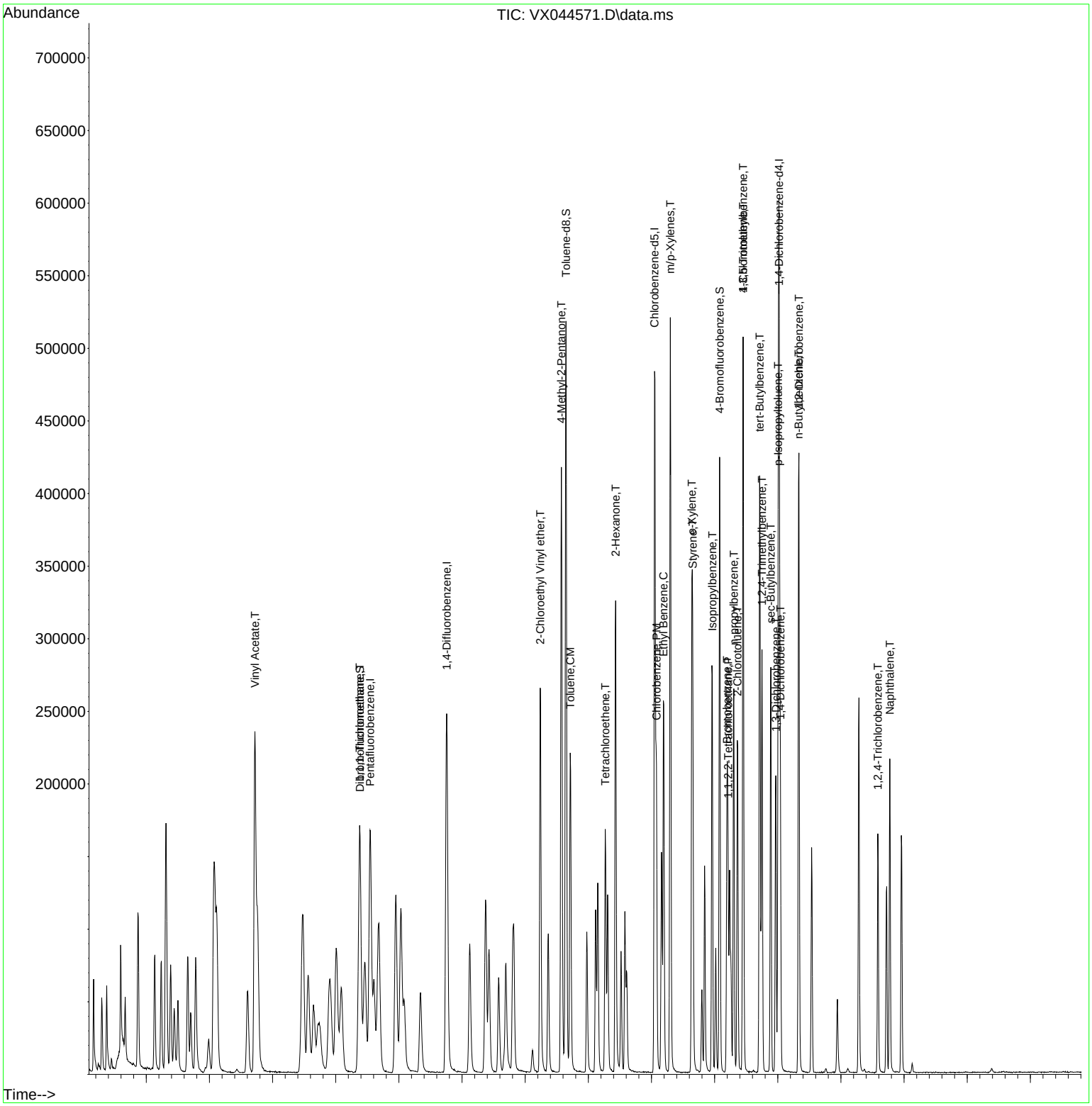
Sample Results: **VX044571.D**

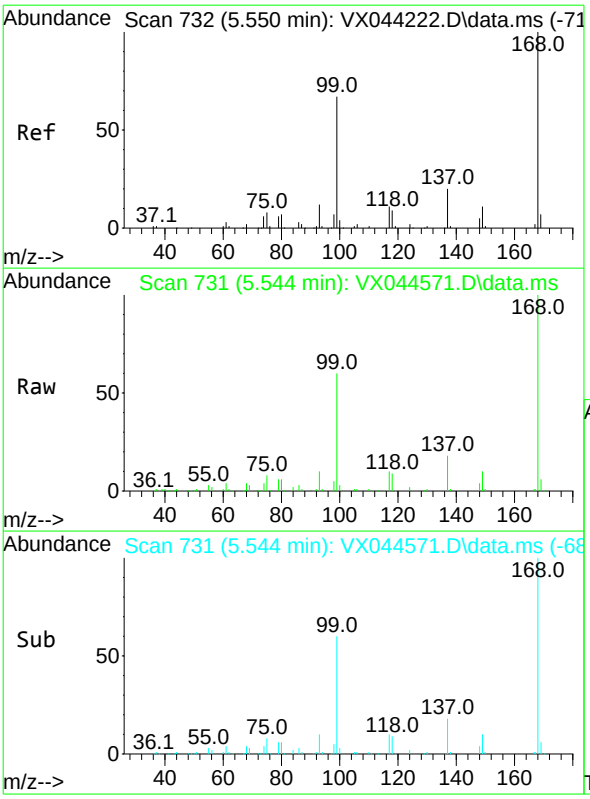
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044571.D
Acq On : 31 Dec 2024 11:12
Operator : JC/MD
Sample : VX1231WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jan 01 01:37:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
APPROVED
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

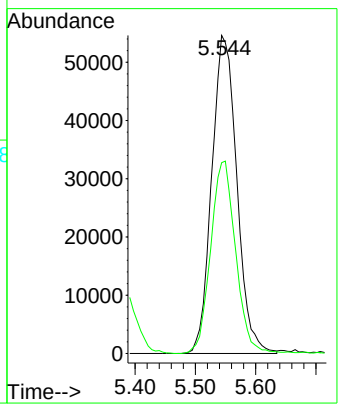
Tgt Ion:168 Resp: 157790

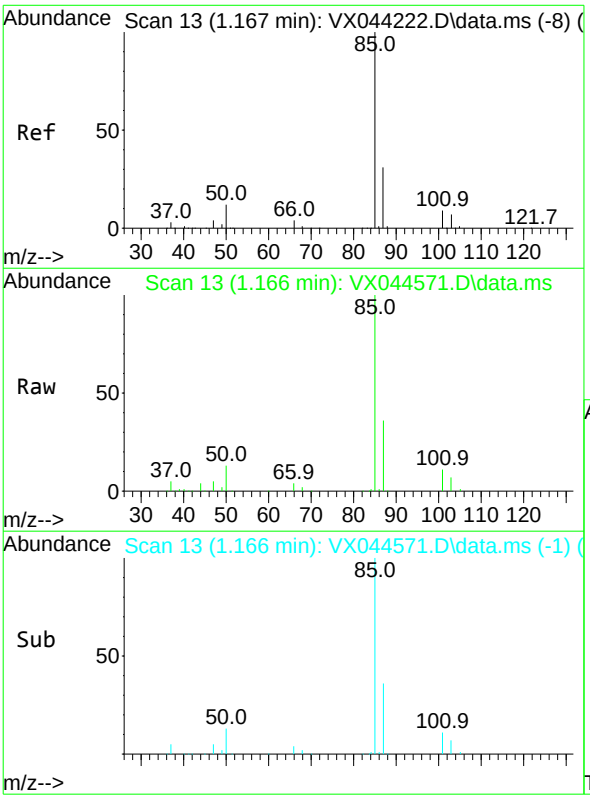
Ion	Ratio	Lower	Upper
168	100		
99	60.0	53.4	80.0

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

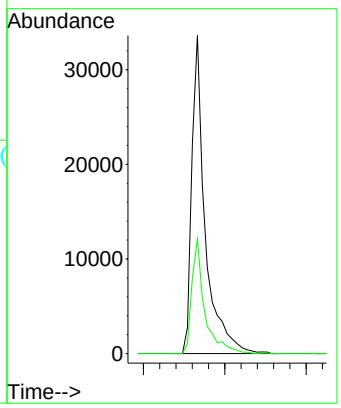


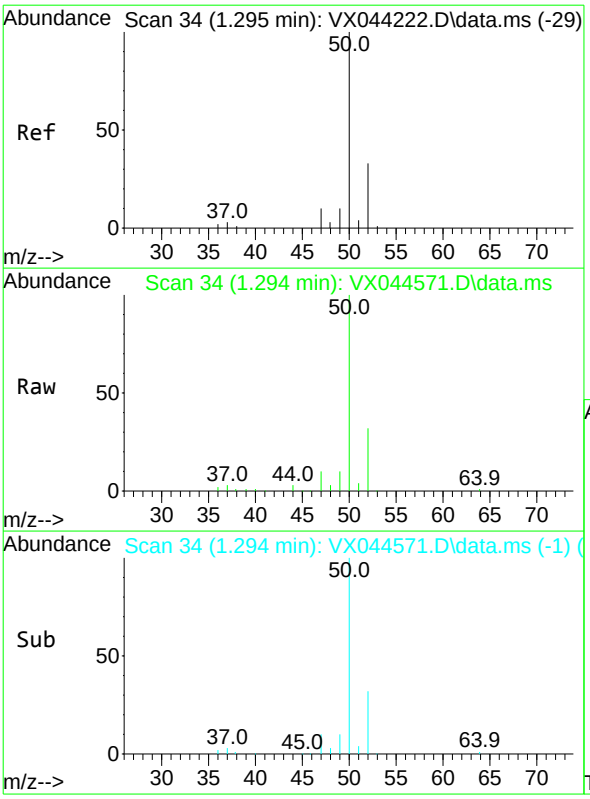


#2
Dichlorodifluoromethane
Concen: 15.722 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 85 Resp: 38360

Ion	Ratio	Lower	Upper
85	100		
87	35.9	15.4	46.4





#3
Chloromethane
Concen: 16.377 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 50 Resp: 38210

Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
APPROVED

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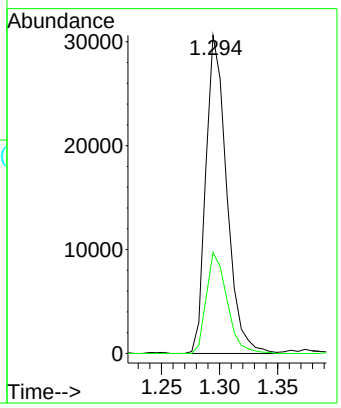
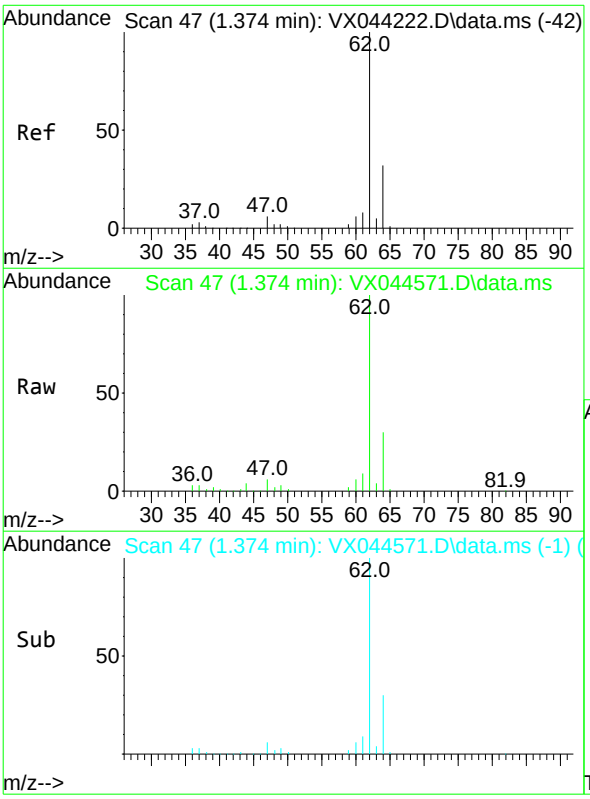
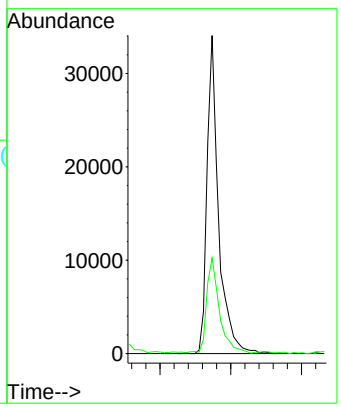


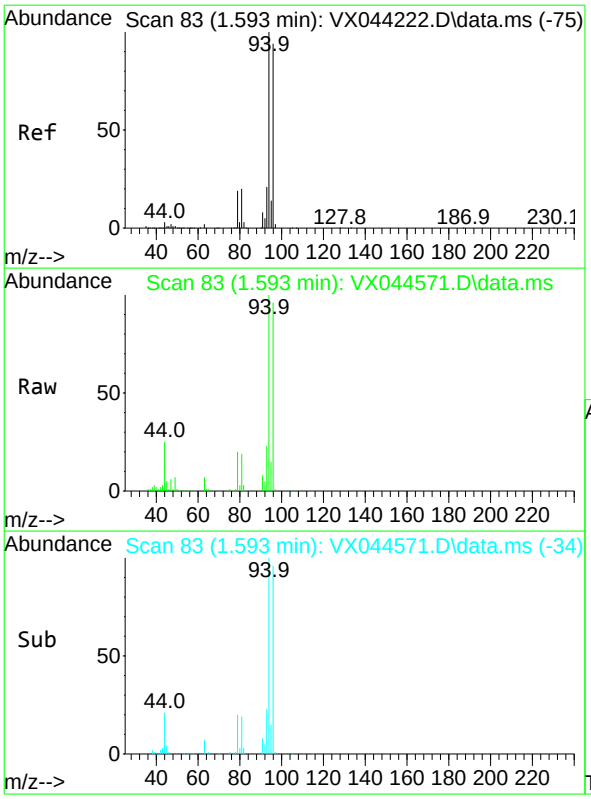


#4
Vinyl Chloride
Concen: 15.886 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 62 Resp: 38613

Ion	Ratio	Lower	Upper
62	100		
64	29.8	25.7	38.5





#5
Bromomethane
Concen: 15.844 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

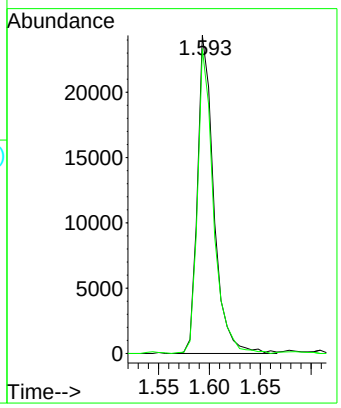
Tgt Ion: 94 Resp: 27322

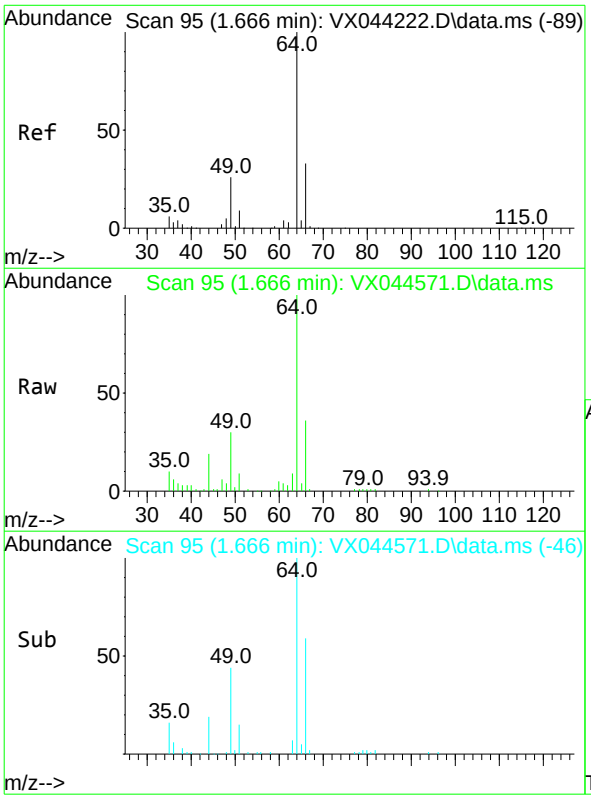
Ion	Ratio	Lower	Upper
94	100		
96	95.5	74.9	112.3

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

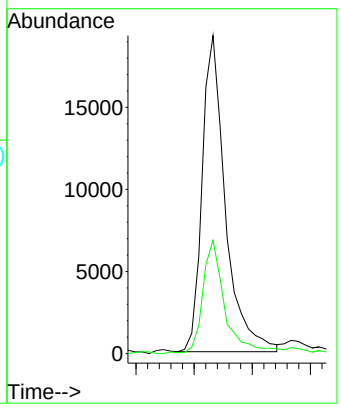


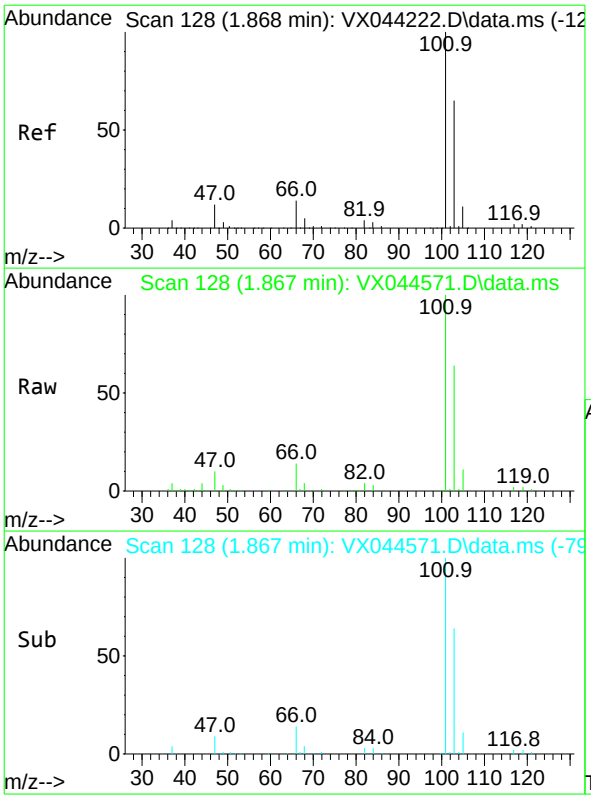


#6
Chloroethane
Concen: 17.676 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 64 Resp: 26754

Ion	Ratio	Lower	Upper
64	100		
66	35.5	26.6	39.8





#7
Trichlorofluoromethane
Concen: 14.522 ug/l
RT: 1.867 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

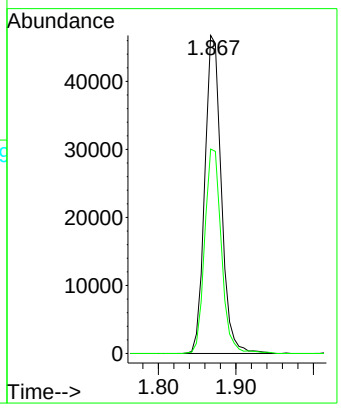
Tgt Ion:101 Resp: 69104

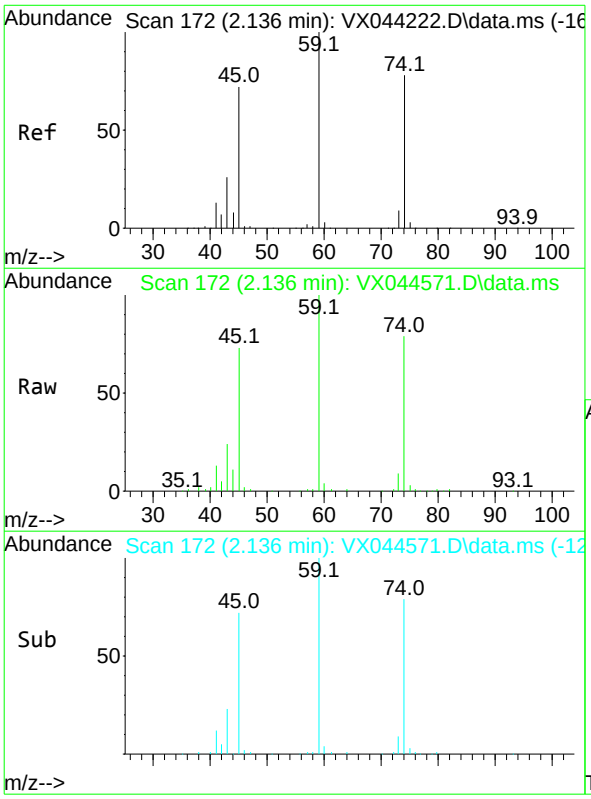
Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.8	77.8

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

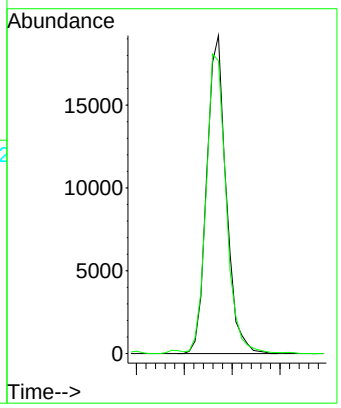


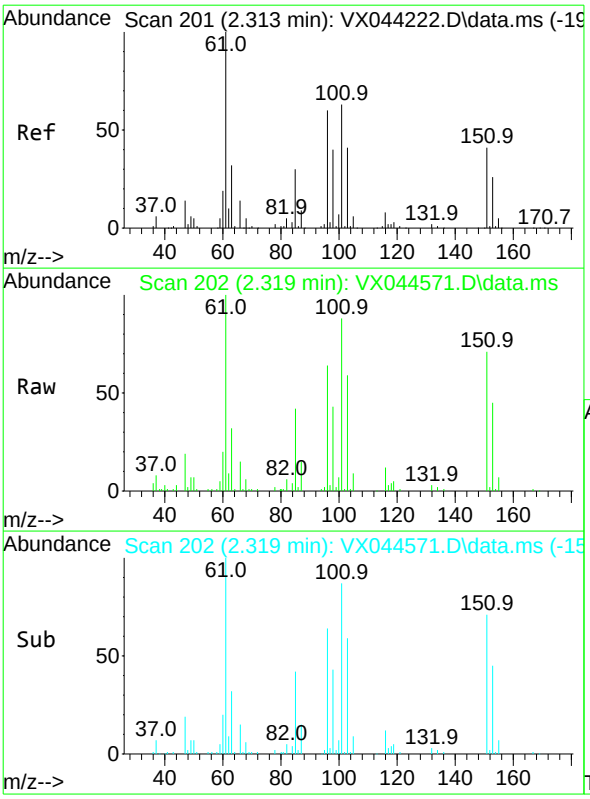


#8
Diethyl Ether
Concen: 16.607 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 74 Resp: 26975

Ion	Ratio	Lower	Upper
74	100		
45	98.8	48.4	145.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.134 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

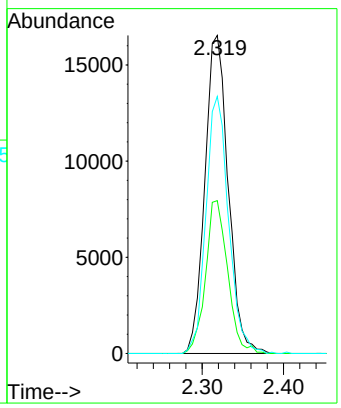
Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

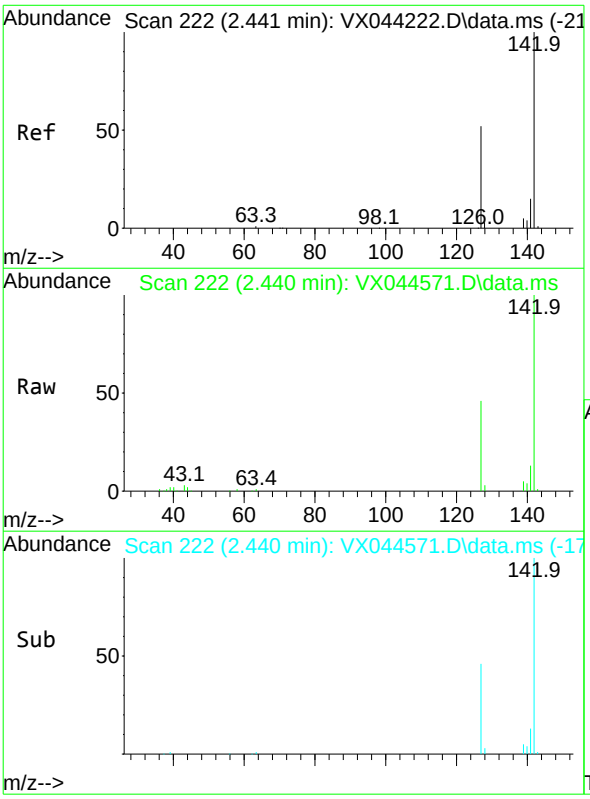
Tgt Ion:101 Resp: 32992

Ion	Ratio	Lower	Upper
101	100		
85	45.5	38.5	57.7
151	78.4	55.8	83.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

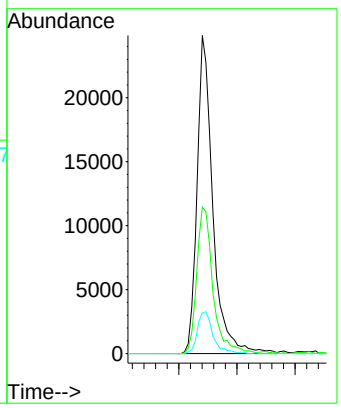


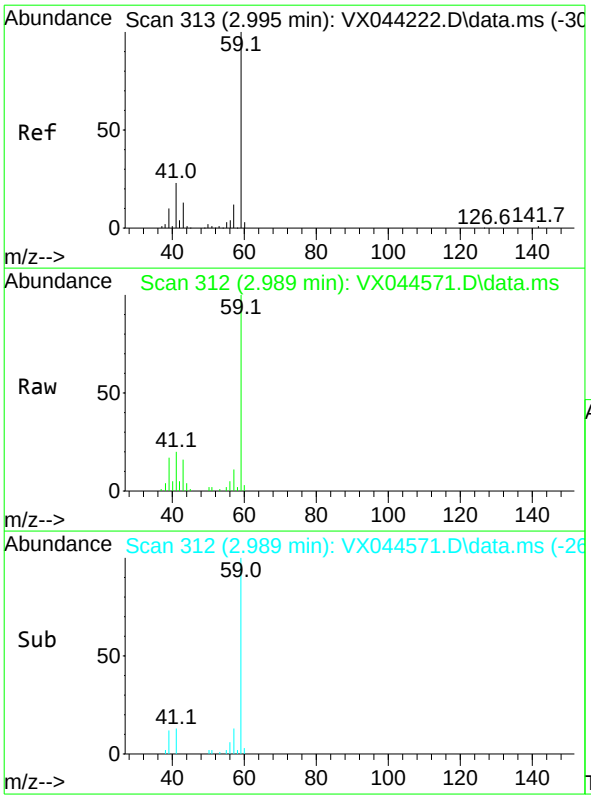


#10
Methyl Iodide
Concen: 18.398 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:142 Resp: 46691

Ion	Ratio	Lower	Upper
142	100		
127	47.5	41.8	62.8
141	13.2	11.5	17.3





#11
Tert butyl alcohol
Concen: 77.318 ug/l
RT: 2.989 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 59 Resp: 30147

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.8	13.2

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

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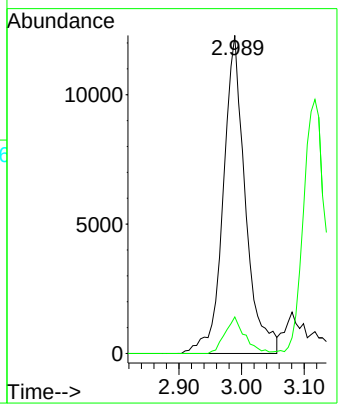
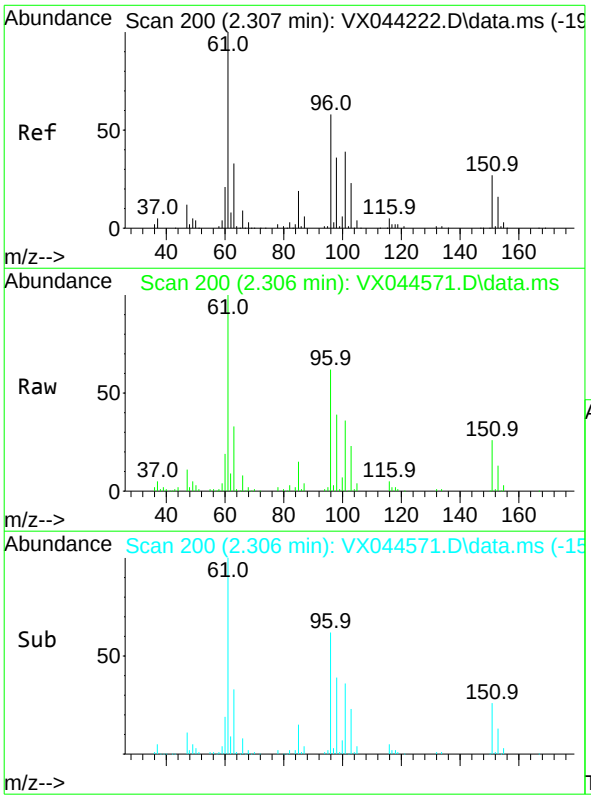
Supervised By :Mahesh Dadoda 01/02/2025

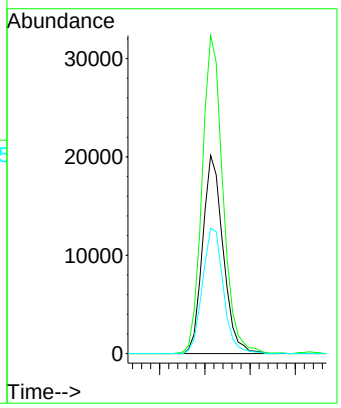


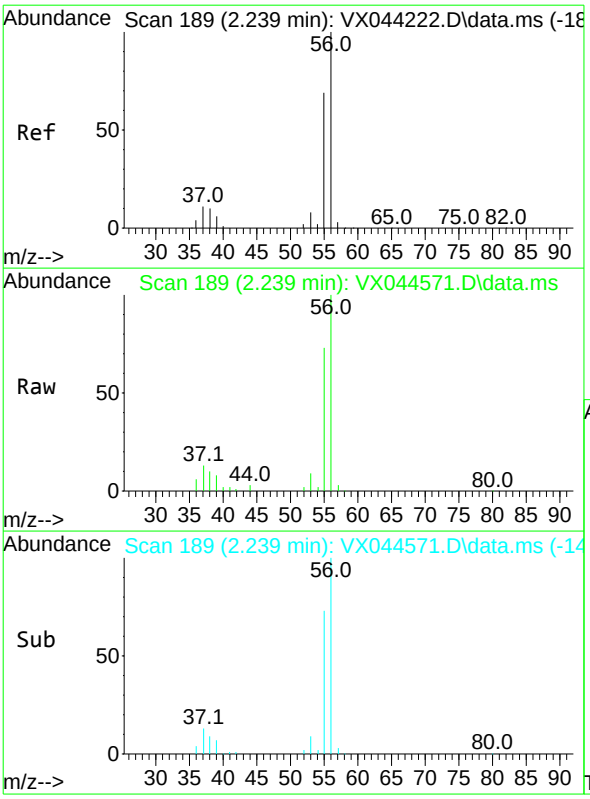


#12
1,1-Dichloroethene
Concen: 17.965 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 96 Resp: 31773

Ion	Ratio	Lower	Upper
96	100		
61	160.1	138.0	207.0
98	63.3	50.0	75.0





#13
Acrolein
Concen: 94.130 ug/l
RT: 2.239 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 56 Resp: 53128

Ion	Ratio	Lower	Upper
56	100		
55	73.2	56.6	84.8

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

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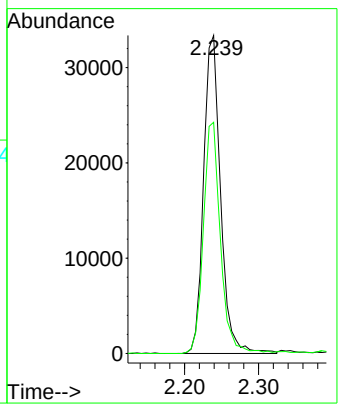
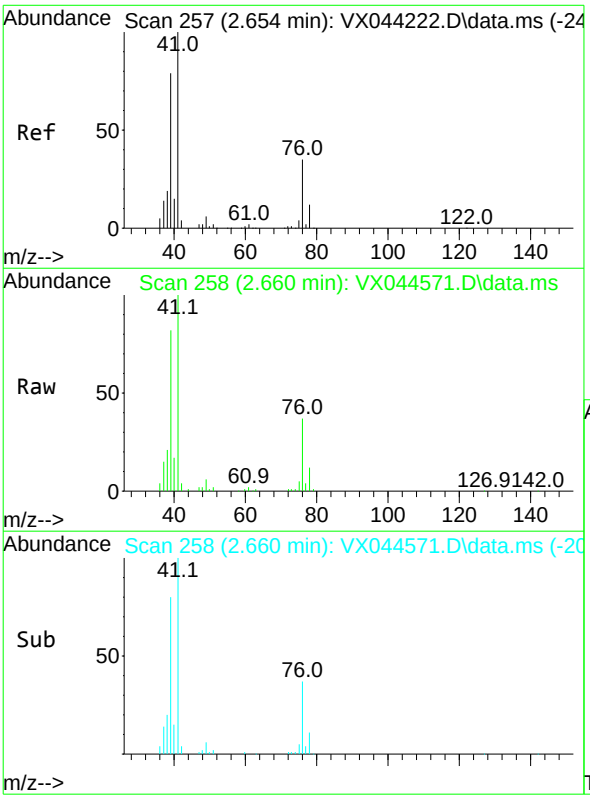
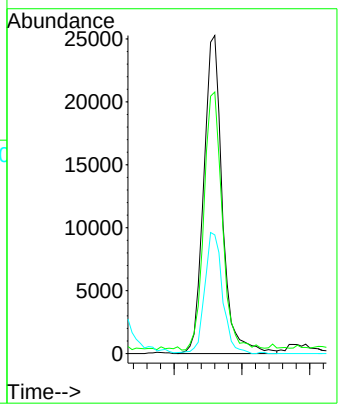


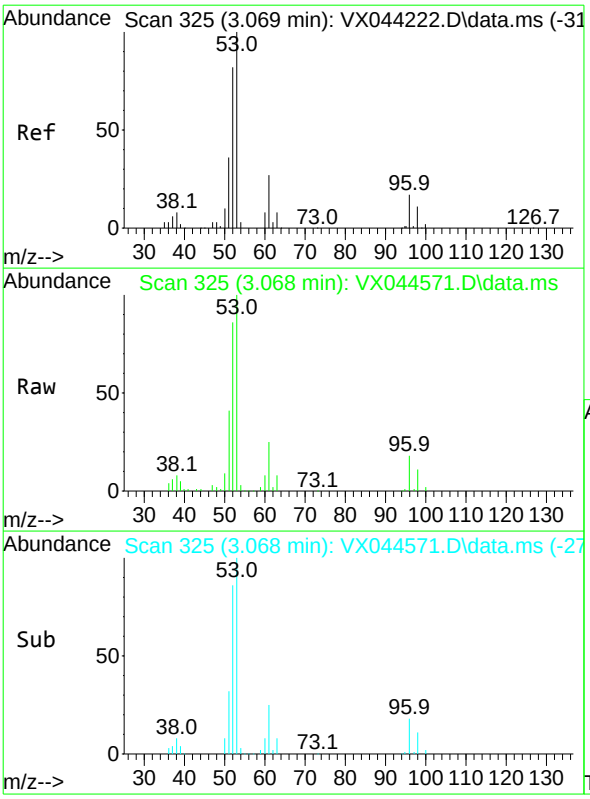


#14
Allyl chloride
Concen: 16.395 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 41 Resp: 48299

Ion	Ratio	Lower	Upper
41	100		
39	79.9	61.9	92.9
76	36.2	27.4	41.2





#15
Acrylonitrile
Concen: 82.161 ug/l
RT: 3.068 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 53 Resp: 88739

Ion	Ratio	Lower	Upper
53	100		
52	82.4	67.4	101.0
51	37.3	30.3	45.5

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
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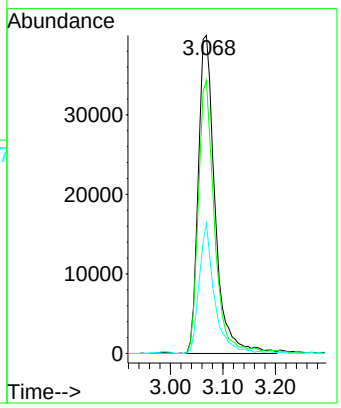
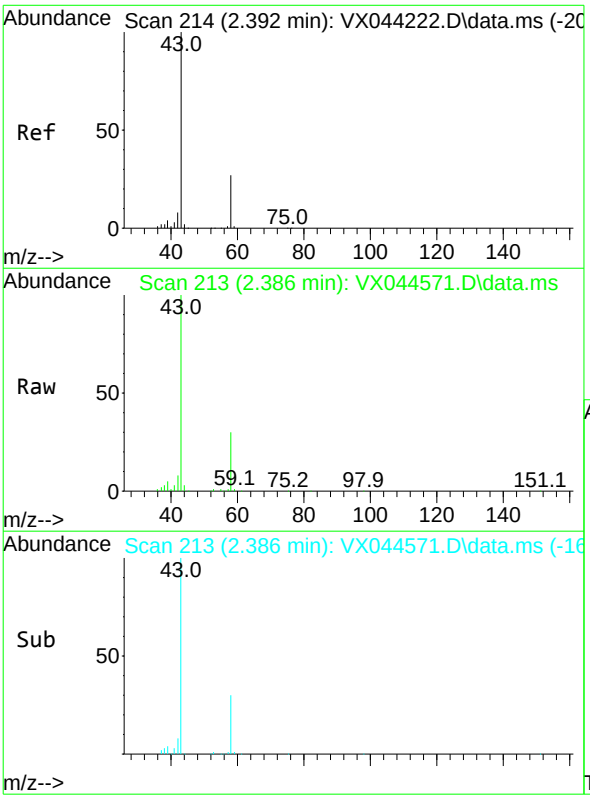
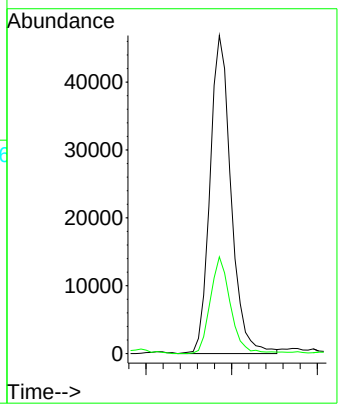


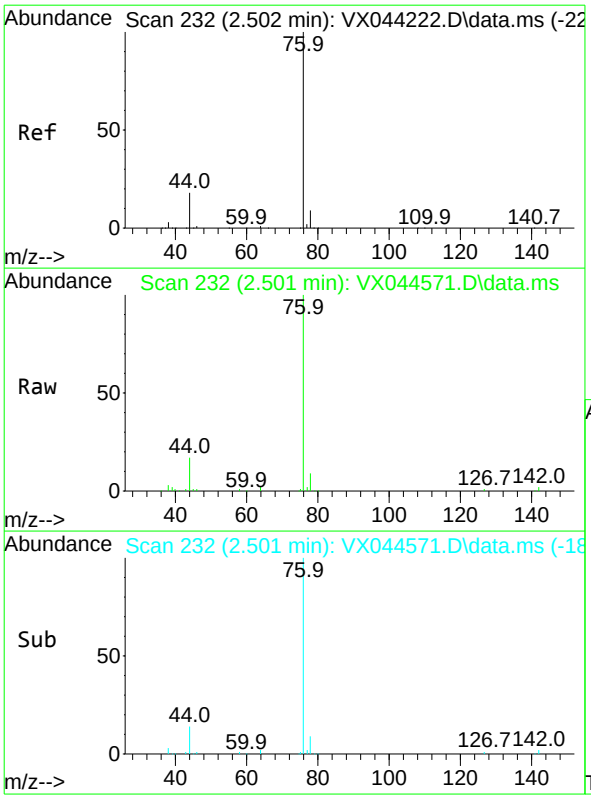


#16
Acetone
Concen: 70.935 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 43 Resp: 80007

Ion	Ratio	Lower	Upper
43	100		
58	30.4	21.6	32.4





#17
Carbon Disulfide
Concen: 17.182 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 76 Resp: 57765

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

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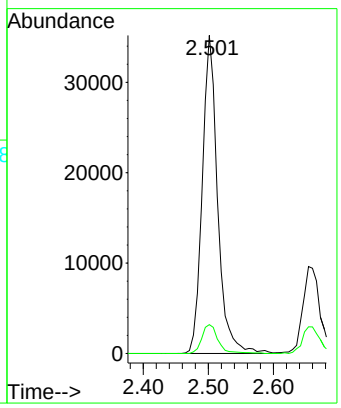
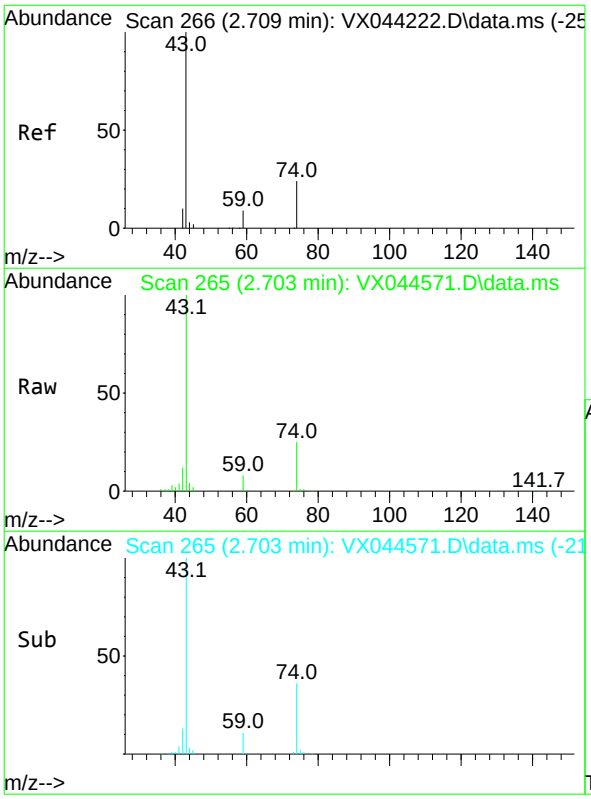
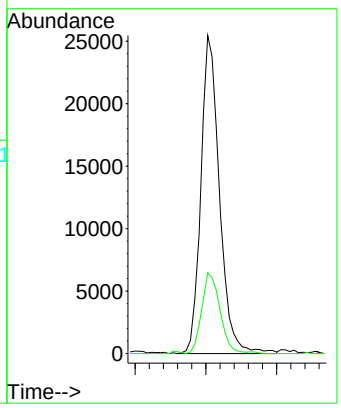


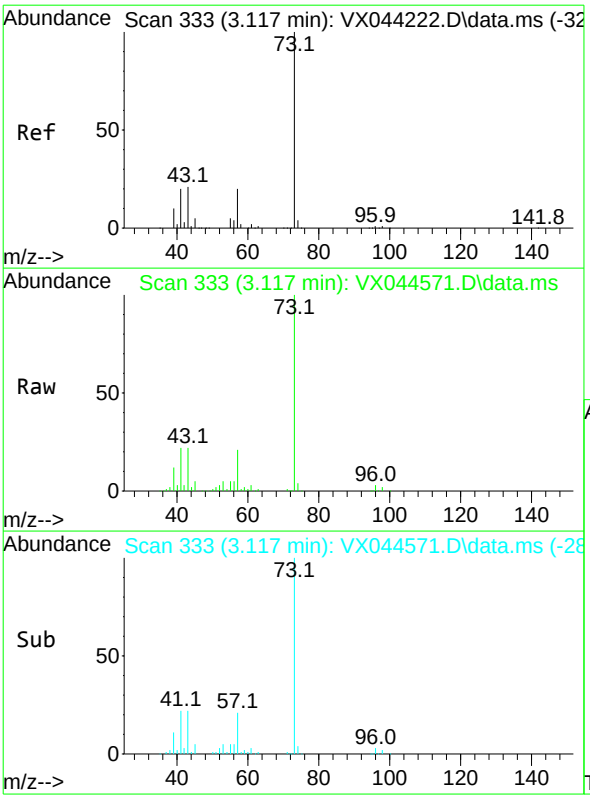


#18
Methyl Acetate
Concen: 15.991 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 43 Resp: 46505

Ion	Ratio	Lower	Upper
43	100		
74	25.1	17.7	26.5





#19
Methyl tert-butyl Ether
Concen: 15.976 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 73 Resp: 110264

Ion	Ratio	Lower	Upper
73	100		
57	21.4	16.2	24.4

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

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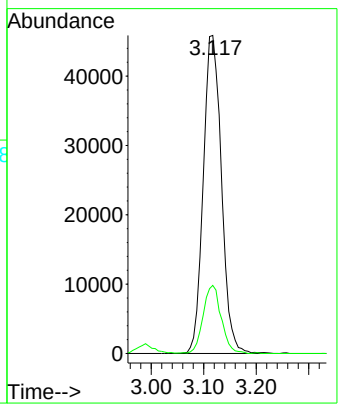
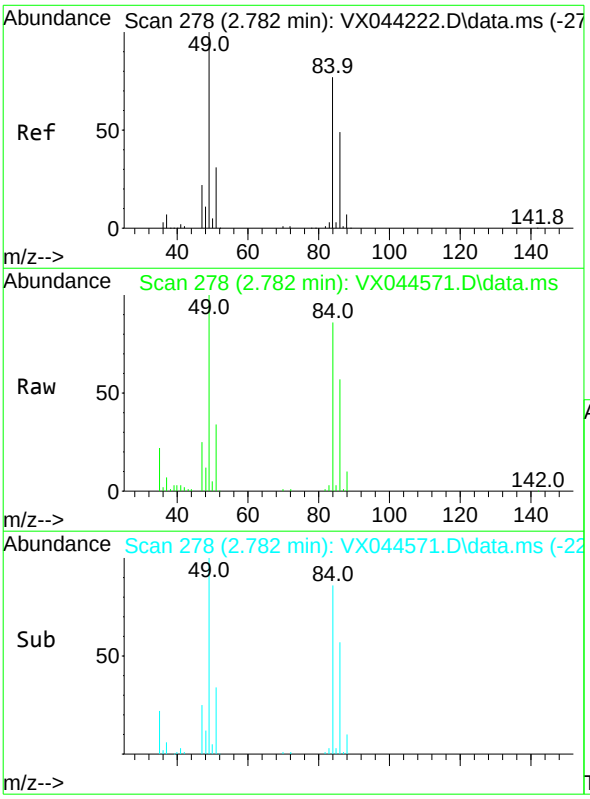
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

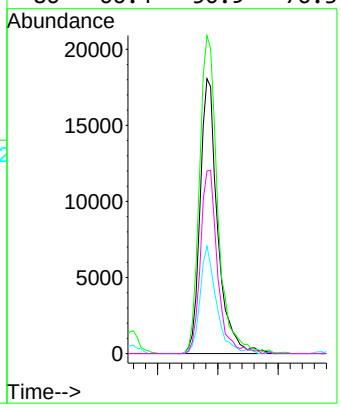


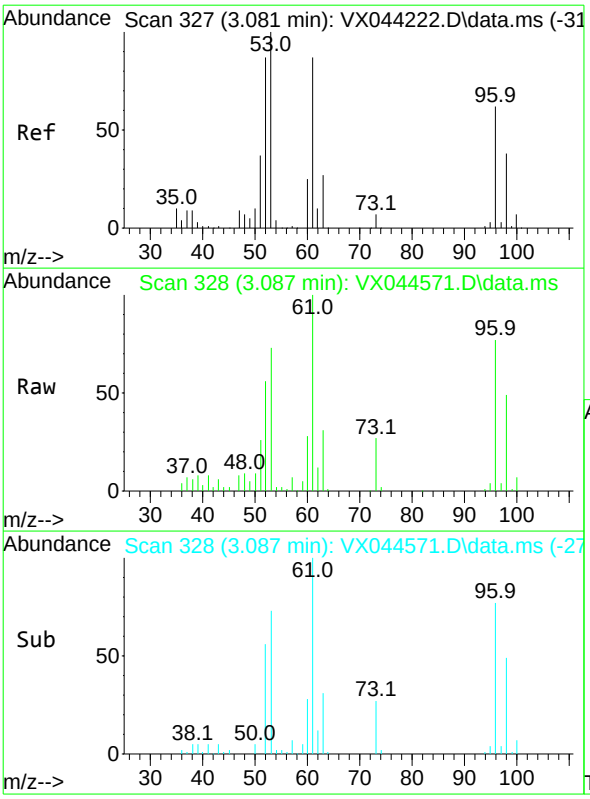


#20
Methylene Chloride
Concen: 17.216 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 84 Resp: 36472

Ion	Ratio	Lower	Upper
84	100		
49	115.7	104.2	156.4
51	39.0	32.2	48.4
86	66.4	50.9	76.3





#21
trans-1,2-Dichloroethene
Concen: 17.311 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 96 Resp: 32540

Ion	Ratio	Lower	Upper
96	100		
61	130.3	112.0	168.0
98	63.6	48.8	73.2

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
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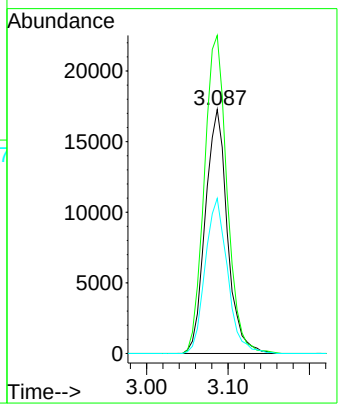
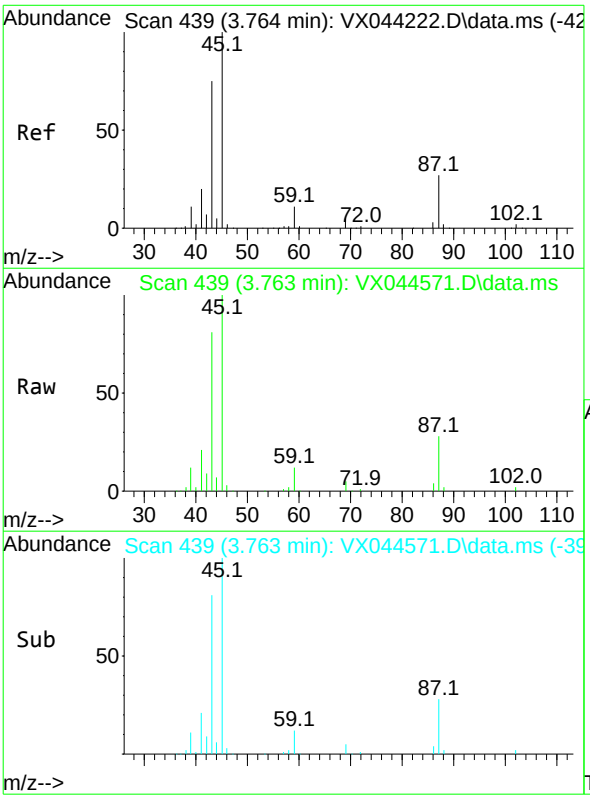
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

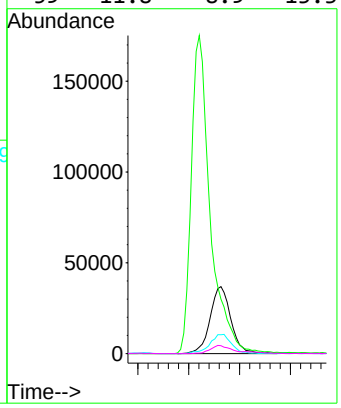


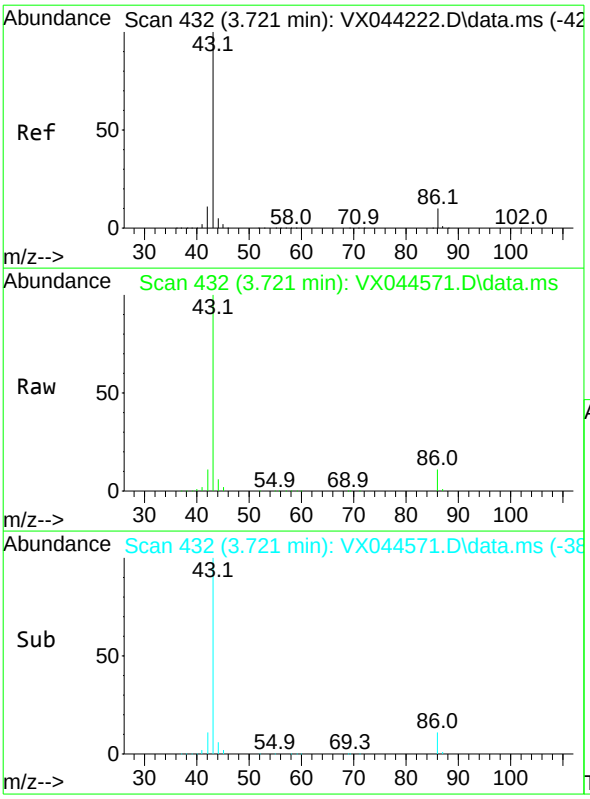


#22
Diisopropyl ether
Concen: 15.750 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 45 Resp: 104481

Ion	Ratio	Lower	Upper
45	100		
43	80.2	60.2	90.2
87	28.1	21.2	31.8
59	11.8	8.9	13.3





#23
Vinyl Acetate
Concen: 84.242 ug/l
RT: 3.721 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 43 Resp: 454330

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.2	12.2

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
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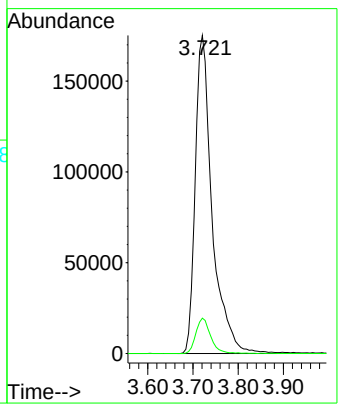
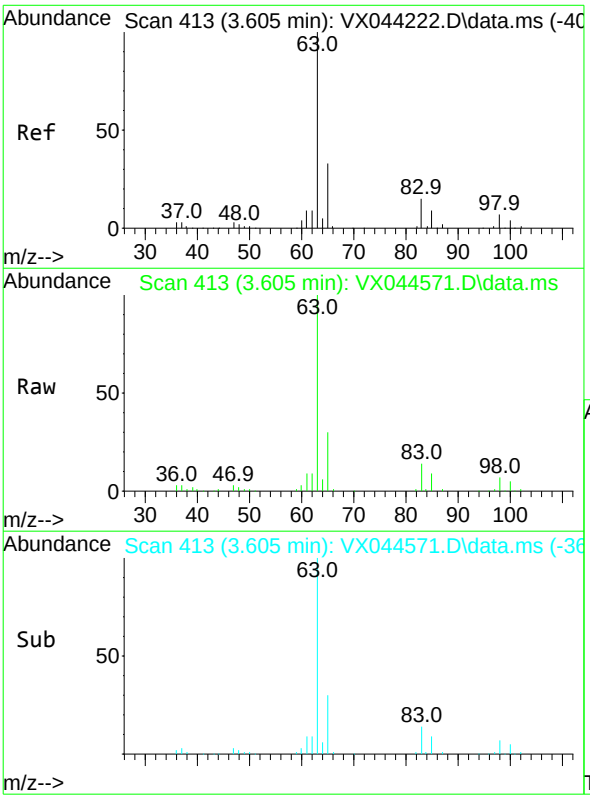
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

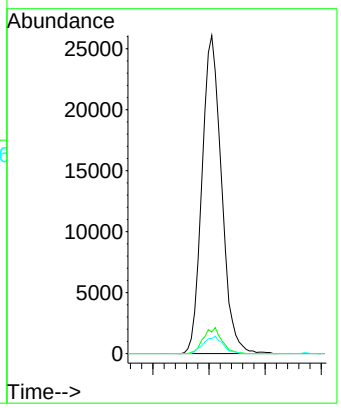


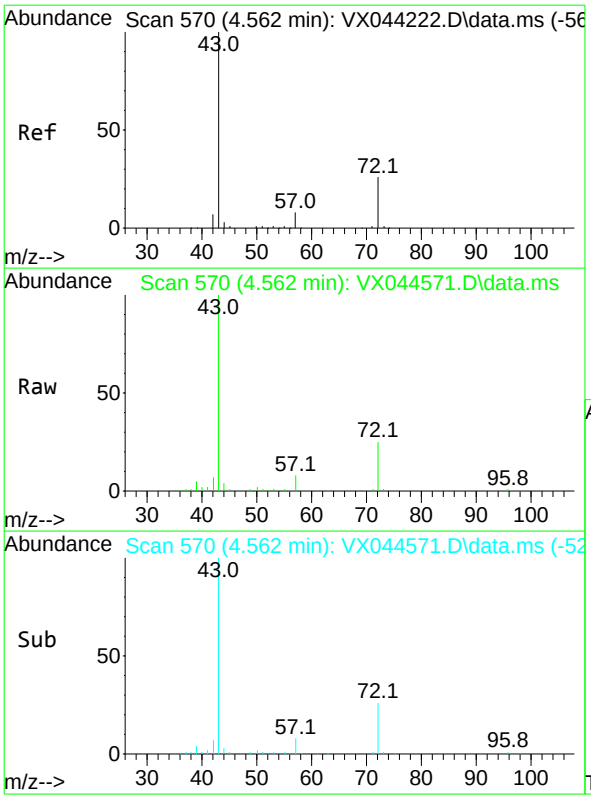


#24
1,1-Dichloroethane
Concen: 17.039 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 63 Resp: 63004

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.6	10.8
100	4.7	2.1	6.3





#25
2-Butanone
Concen: 76.278 ug/l
RT: 4.562 min Scan# 57
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 43 Resp: 122309

Ion	Ratio	Lower	Upper
43	100		
72	25.3	20.2	30.4

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

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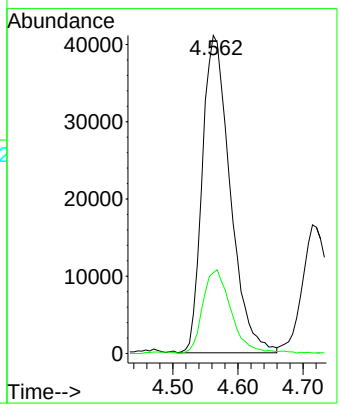
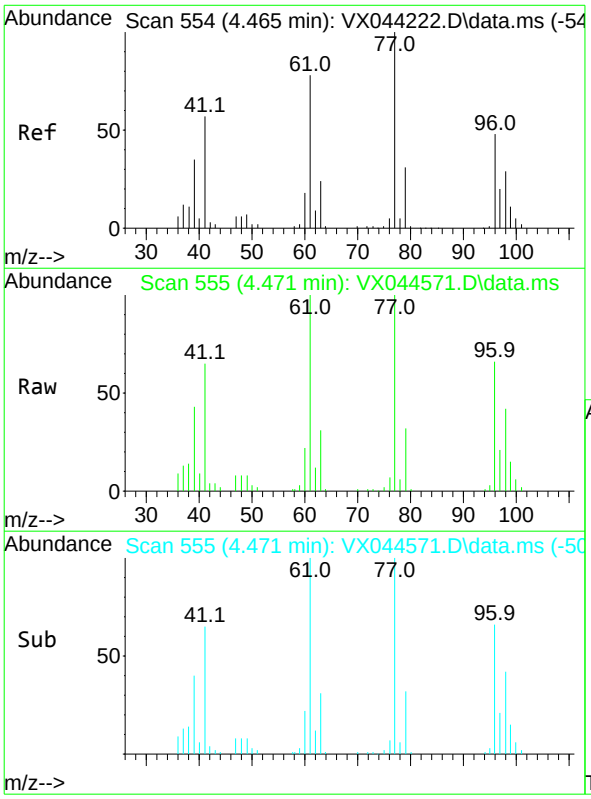
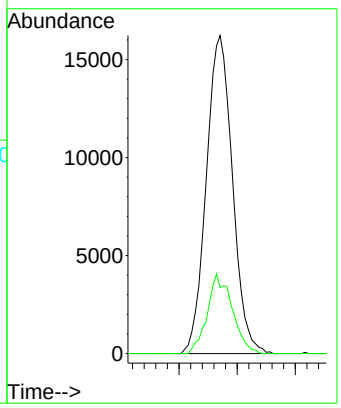


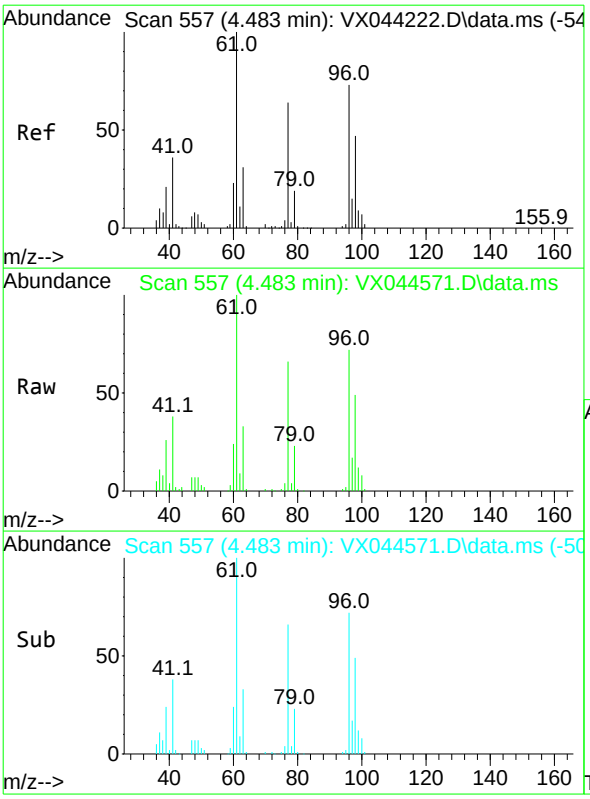


#26
2,2-Dichloropropane
Concen: 16.906 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 77 Resp: 50785

Ion	Ratio	Lower	Upper
77	100		
97	23.7	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 17.301 ug/l
RT: 4.483 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 96 Resp: 41301

Ion	Ratio	Lower	Upper
96	100		
61	137.2	0.0	299.0
98	63.1	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
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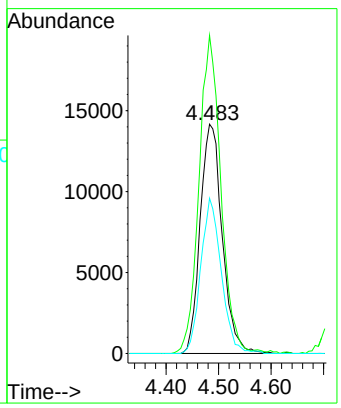
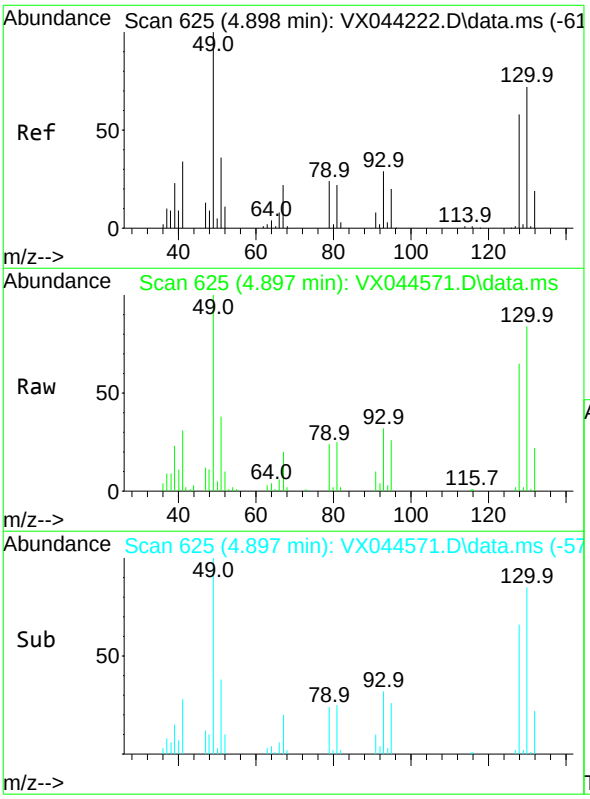
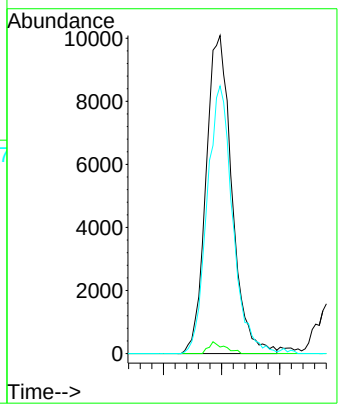


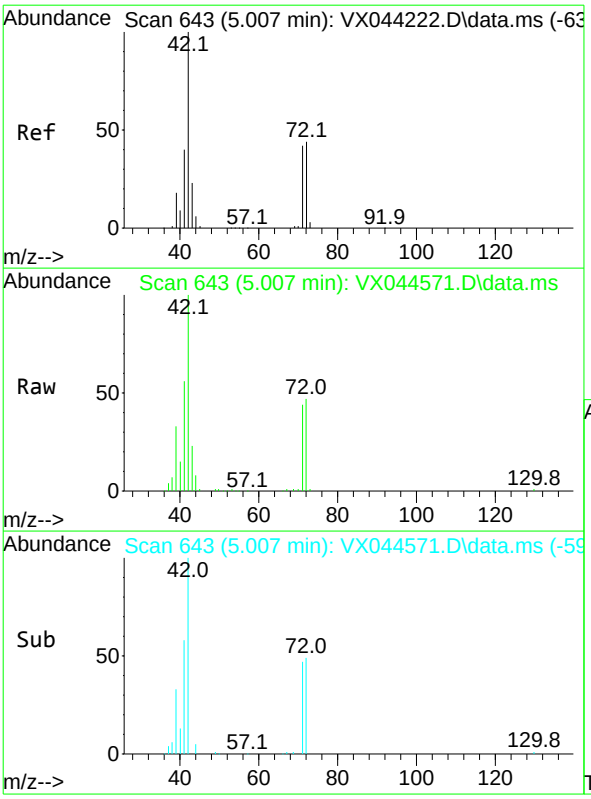


#28
Bromochloromethane
Concen: 17.178 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 49 Resp: 31147

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	83.2	62.1	93.1





#29
Tetrahydrofuran
Concen: 77.614 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

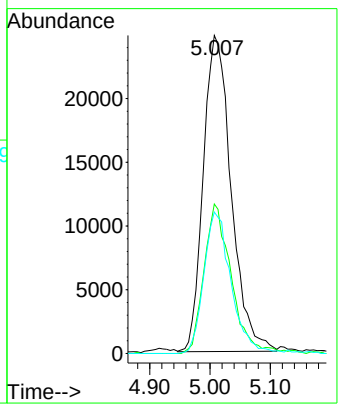
Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

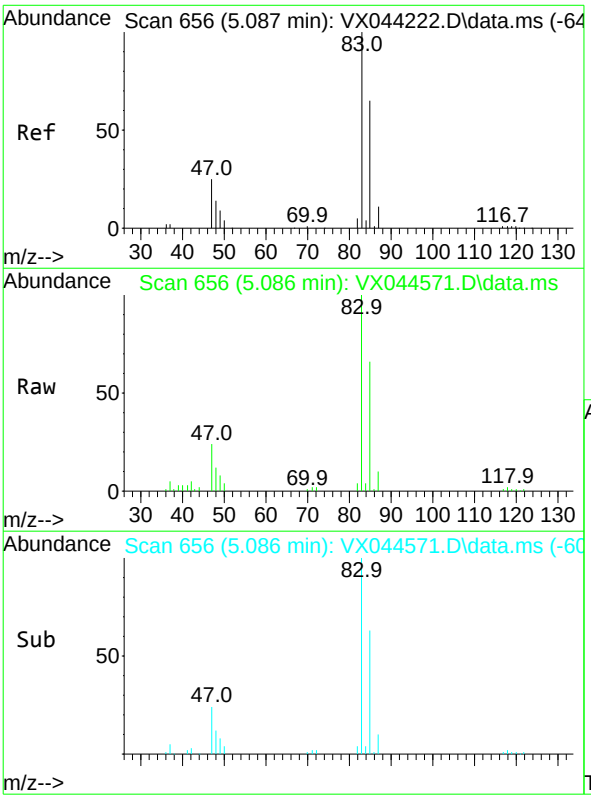
Tgt Ion: 42 Resp: 79881

Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.0	55.6
71	43.5	33.6	50.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

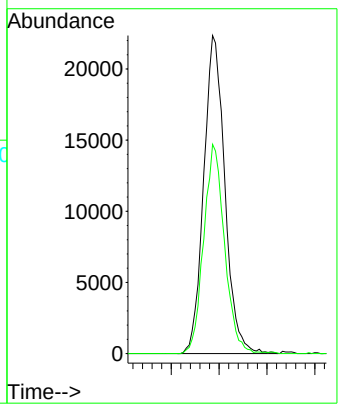


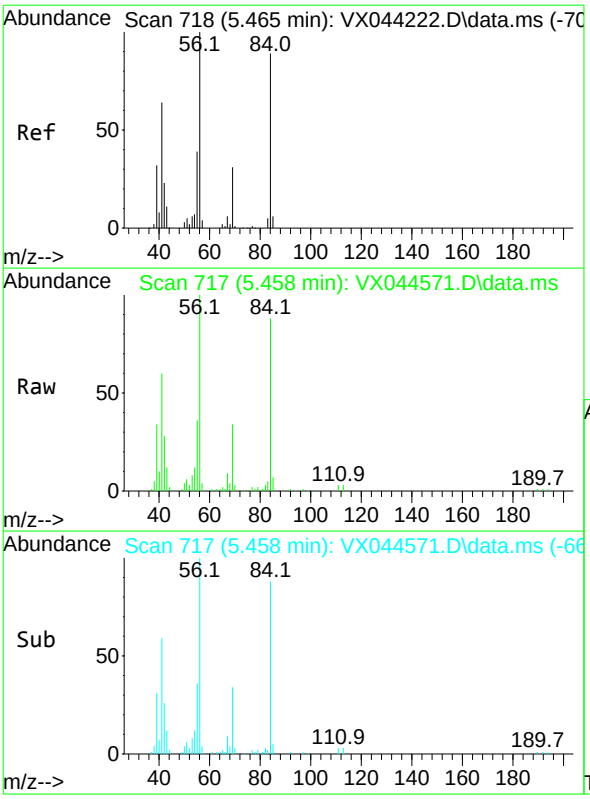


#30
Chloroform
Concen: 16.495 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 83 Resp: 68529

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.6	77.4





#31
Cyclohexane
Concen: 16.498 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Tgt Ion: 56 Resp: 49263

Ion	Ratio	Lower	Upper
56	100		
69	34.4	24.7	37.1
84	85.8	71.0	106.6

Manual Integrations
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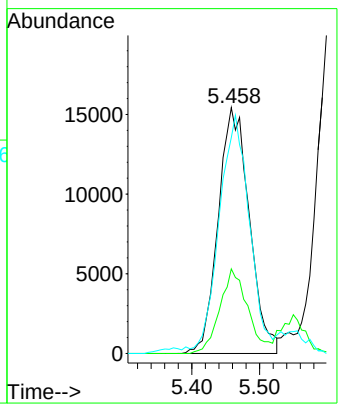
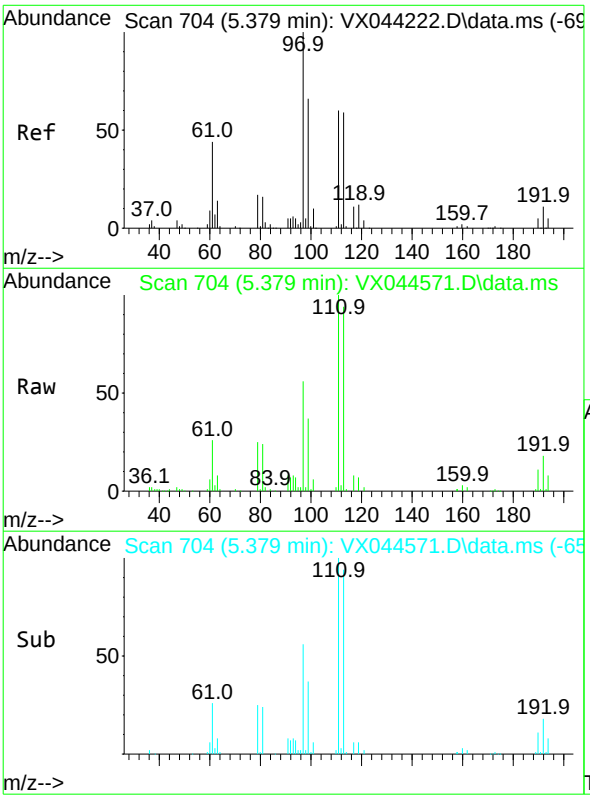
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

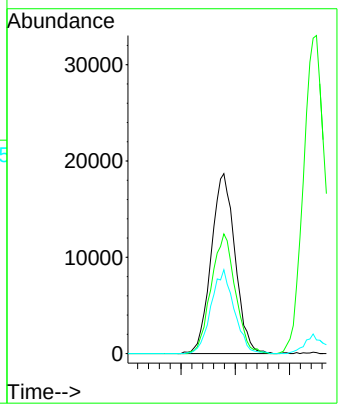


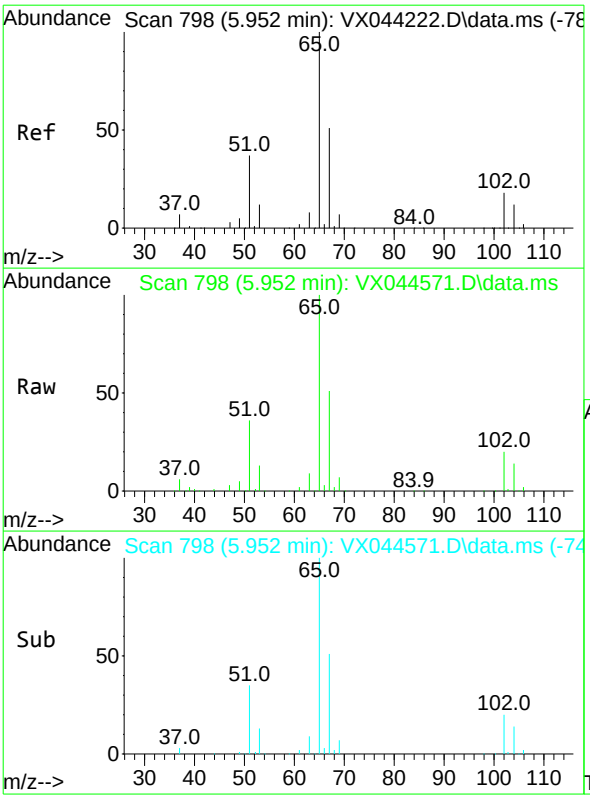


#32
1,1,1-Trichloroethane
Concen: 16.578 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 97 Resp: 57172

Ion	Ratio	Lower	Upper
97	100		
99	66.7	50.8	76.2
61	45.1	35.2	52.8





#33
1,2-Dichloroethane-d4
Concen: 43.096 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 65 Resp: 119228

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	101.6

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
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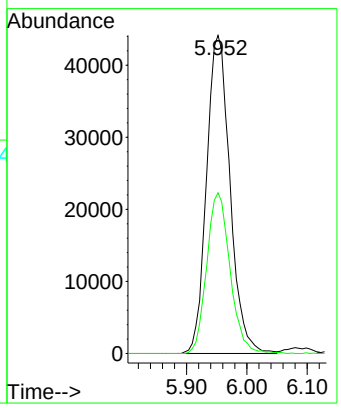
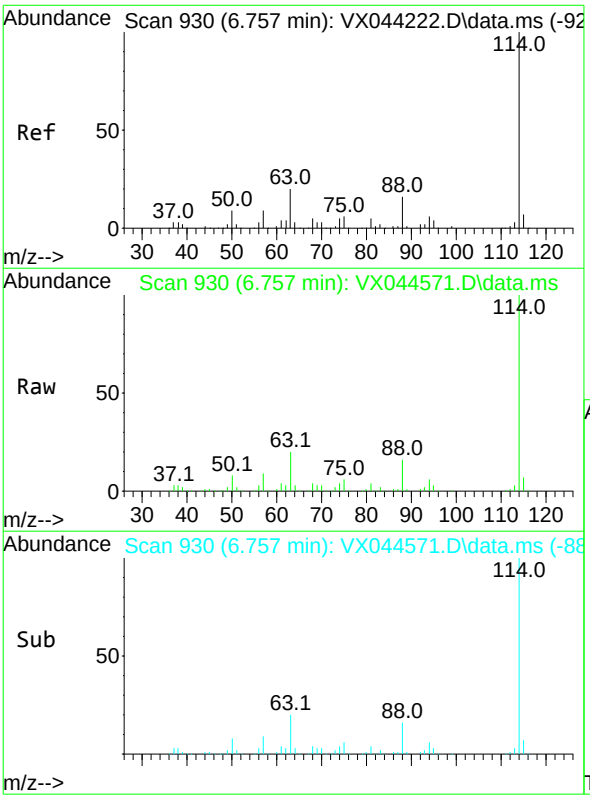
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

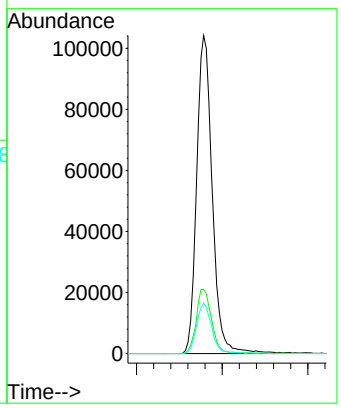


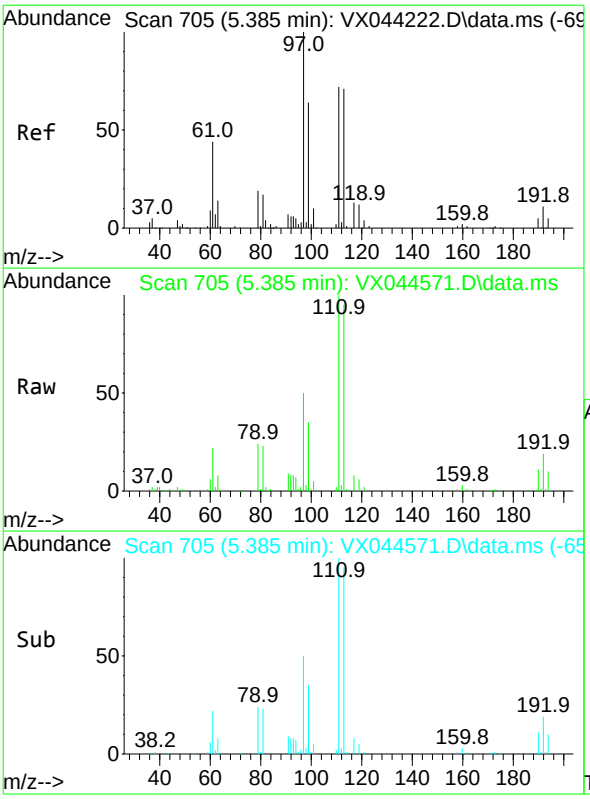


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:114 Resp: 262850

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.6
88	15.9	0.0	31.8





#35
Dibromofluoromethane
Concen: 51.378 ug/l
RT: 5.385 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:113 Resp: 93532

Ion	Ratio	Lower	Upper
113	100		
111	103.5	80.4	120.6
192	19.6	13.3	19.9

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
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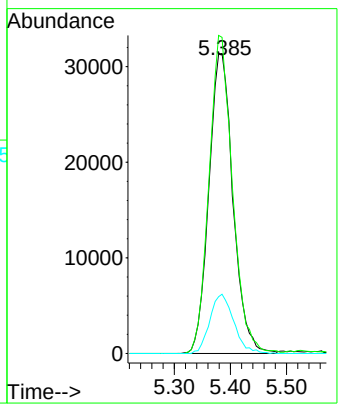
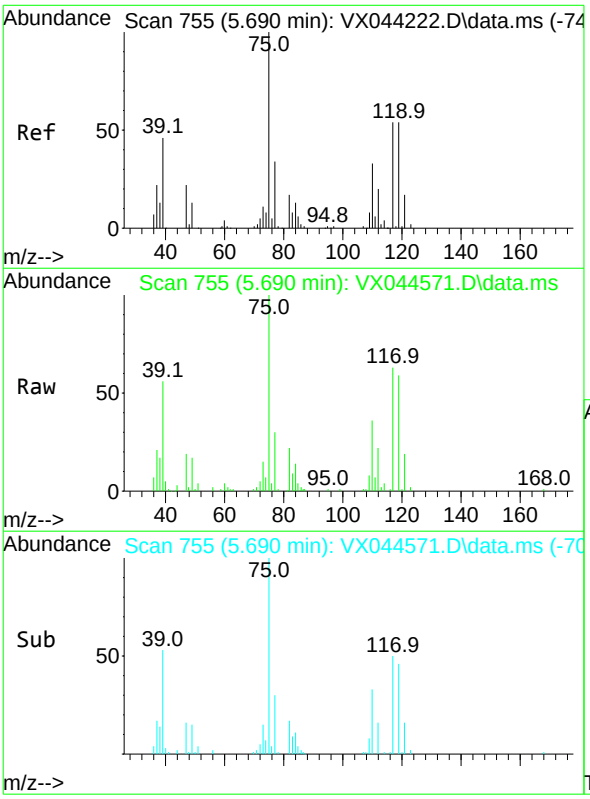
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

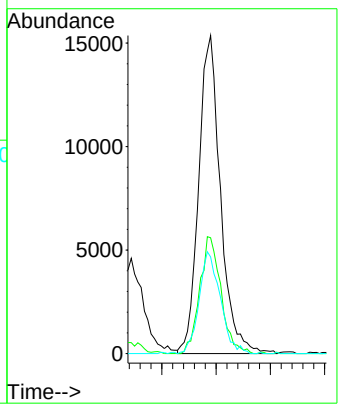


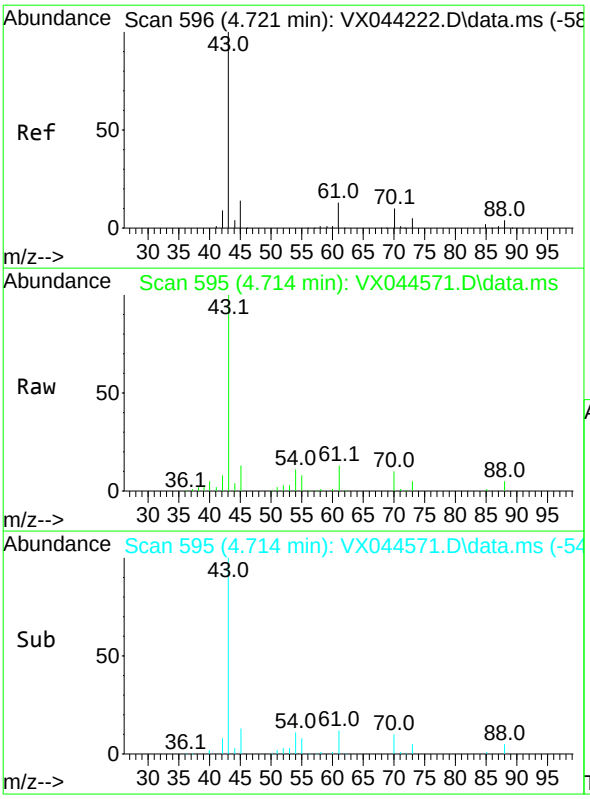


#36
1,1-Dichloropropene
Concen: 18.269 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 75 Resp: 42990

Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.3	51.7
77	31.0	25.4	38.0





#37
Ethyl Acetate
Concen: 17.019 ug/l
RT: 4.714 min Scan# 59
Delta R.T. -0.006 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 43 Resp: 49505

Ion	Ratio	Lower	Upper
43	100		
61	13.4	9.8	14.8
70	11.0	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
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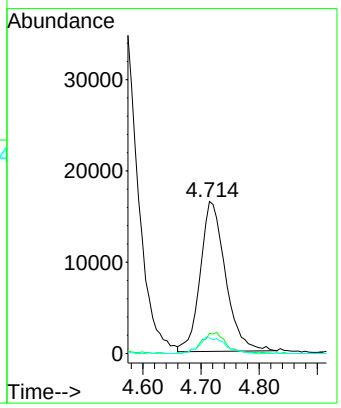
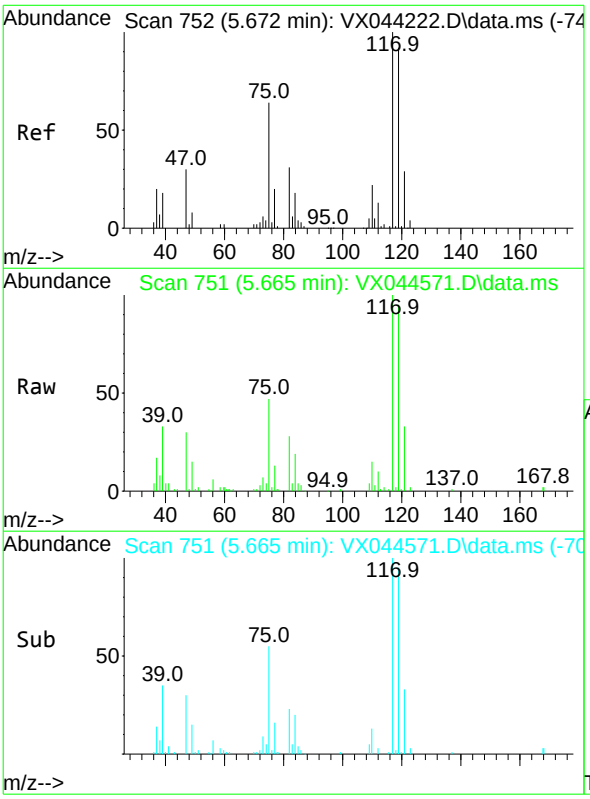
Supervised By :Mahesh Dadoda 01/02/2025

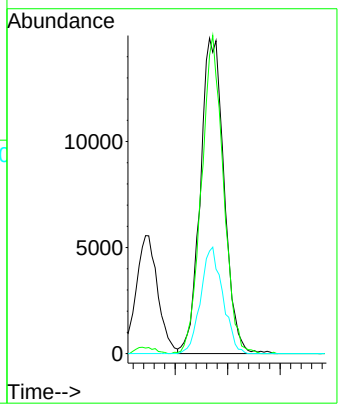


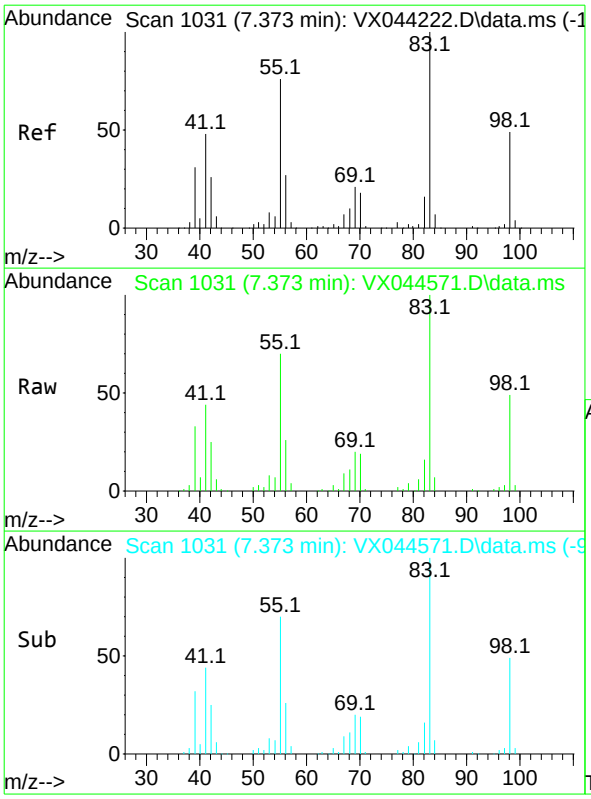


#38
Carbon Tetrachloride
Concen: 18.434 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:117 Resp: 46703

Ion	Ratio	Lower	Upper
117	100		
119	94.5	74.2	111.4
121	32.5	23.0	34.6





#39
Methylcyclohexane
Concen: 19.245 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 83 Resp: 54140

Ion	Ratio	Lower	Upper
83	100		
55	70.0	60.7	91.1
98	49.3	38.9	58.3

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
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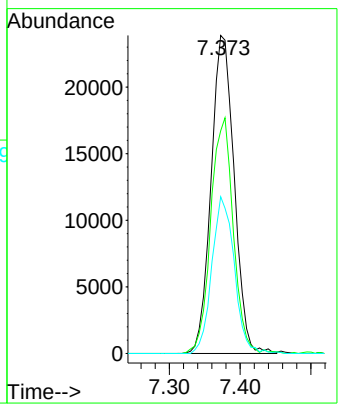
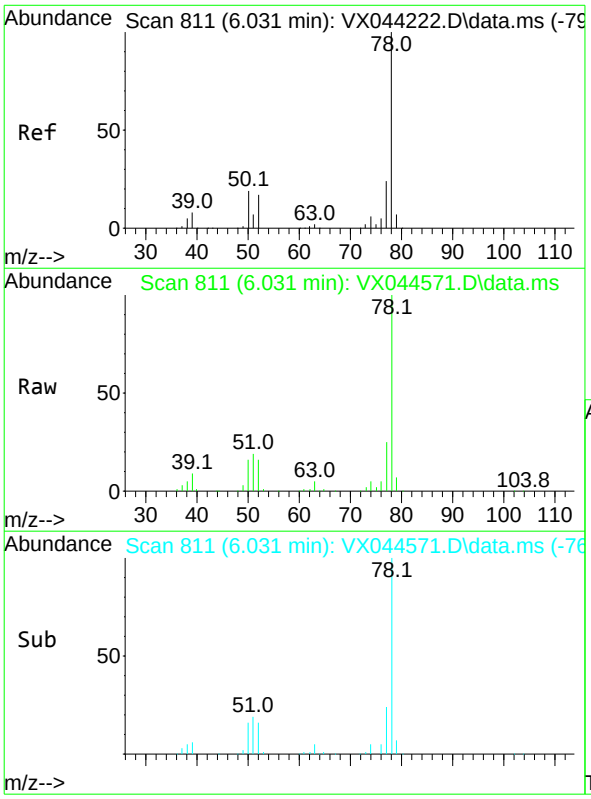
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

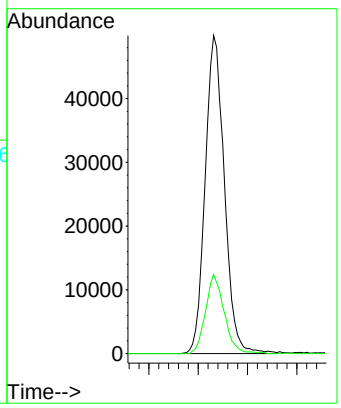


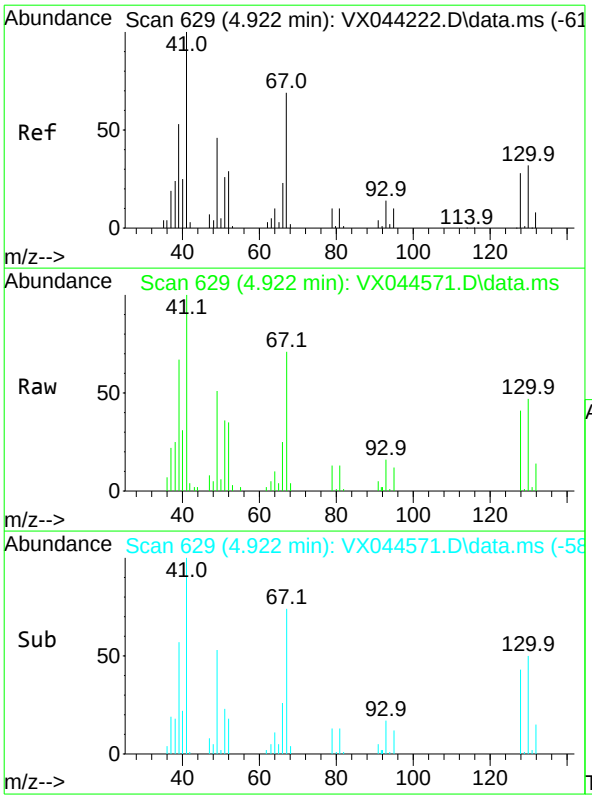


#40
Benzene
Concen: 18.899 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 78 Resp: 135026

Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.3	28.9





#41
Methacrylonitrile
Concen: 16.618 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

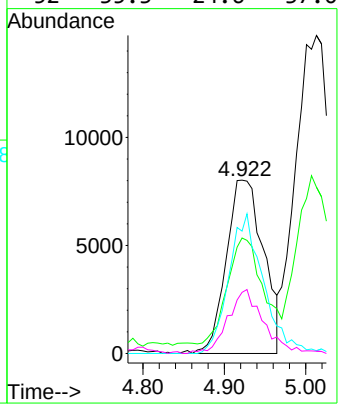
Tgt Ion: 41 Resp: 25668

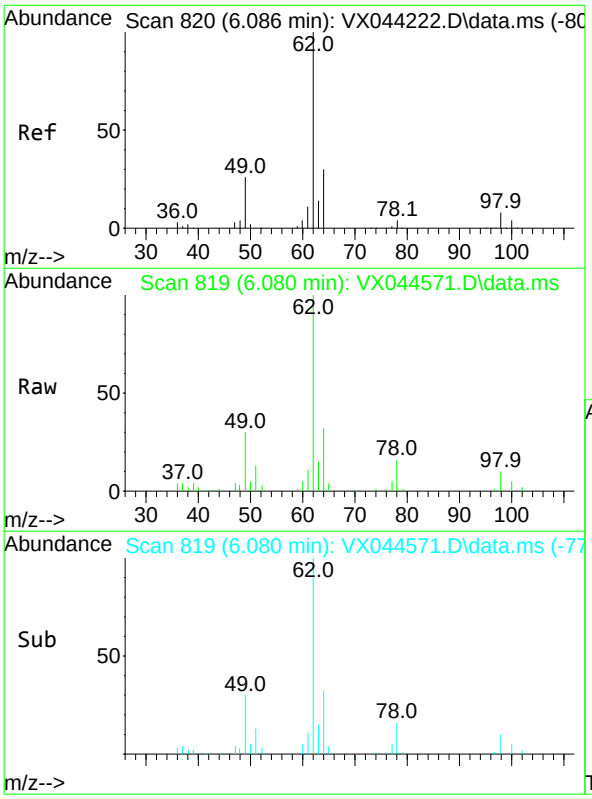
Ion	Ratio	Lower	Upper
41	100		
39	59.5	44.2	66.4
67	74.9	57.2	85.8
52	35.3	24.6	37.0

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

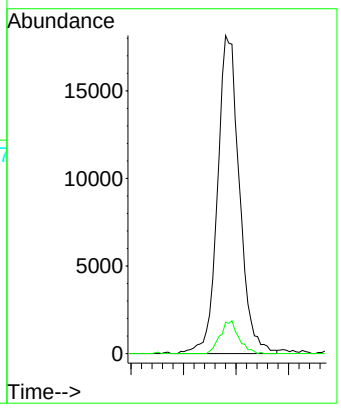


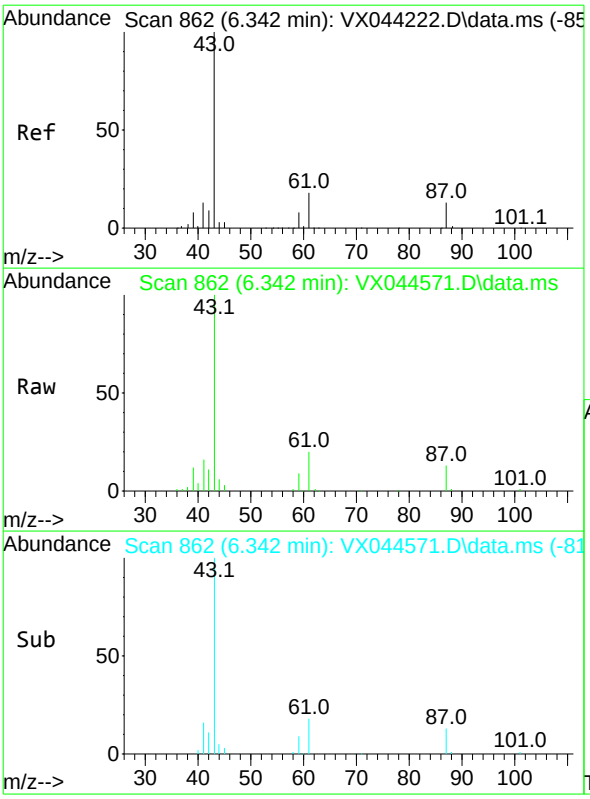


#42
1,2-Dichloroethane
Concen: 17.878 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 62 Resp: 52618

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	15.8





#43
Isopropyl Acetate
Concen: 16.537 ug/l
RT: 6.342 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 43 Resp: 75184

Ion	Ratio	Lower	Upper
43	100		
61	20.1	14.2	21.2
87	13.7	10.2	15.2

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
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Reviewed By :John Carlone 01/02/2025
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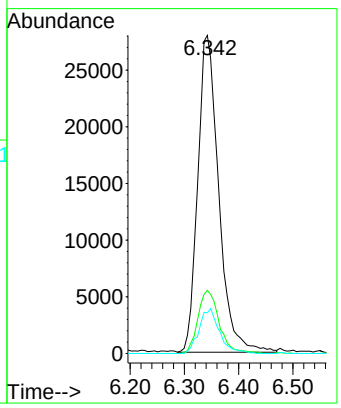
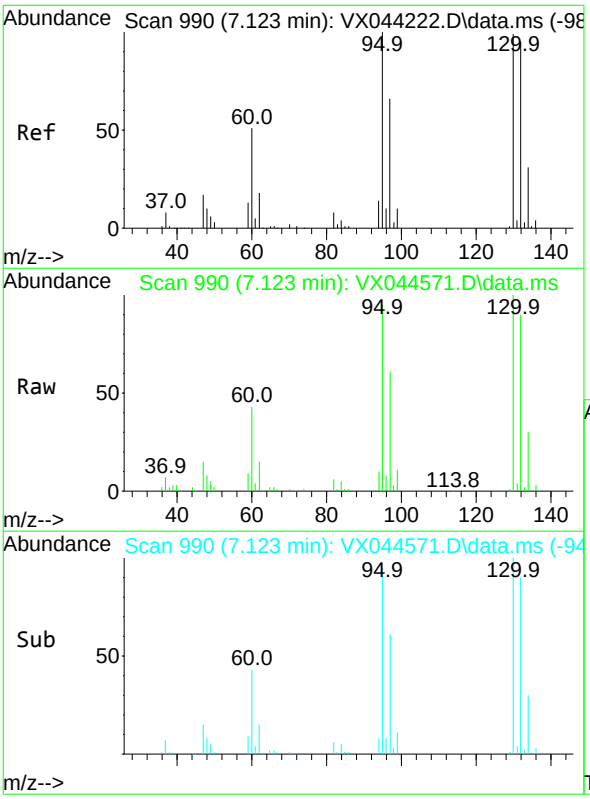
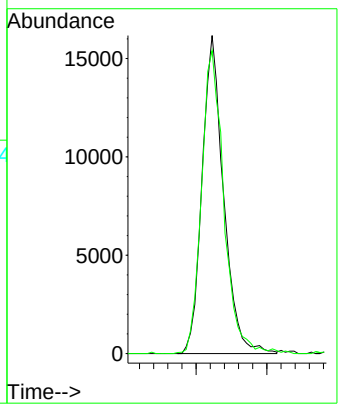


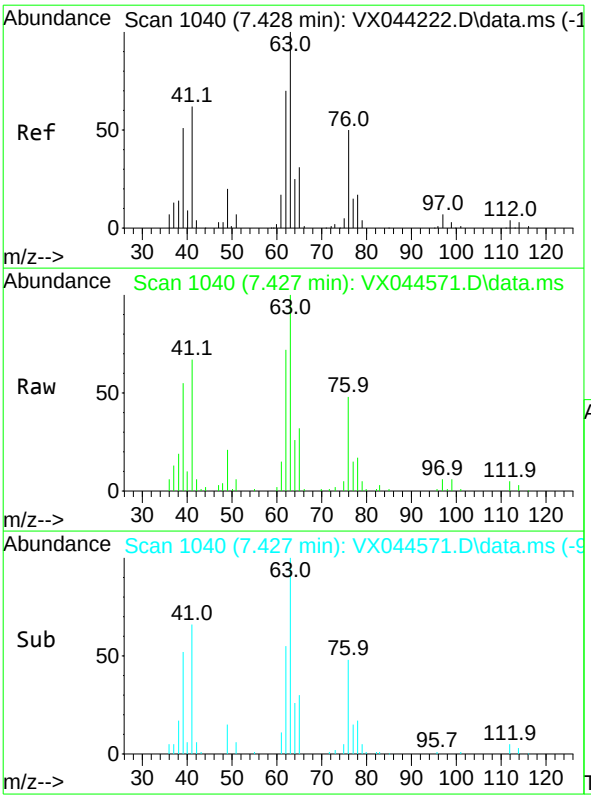


#44
Trichloroethene
Concen: 19.109 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:130 Resp: 34047

Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	201.4





#45
1,2-Dichloropropane
Concen: 17.194 ug/l
RT: 7.427 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 63 Resp: 31386

Ion	Ratio	Lower	Upper
63	100		
65	32.4	24.6	37.0

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
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Reviewed By :John Carlone 01/02/2025
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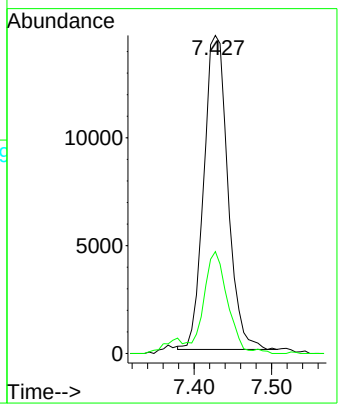
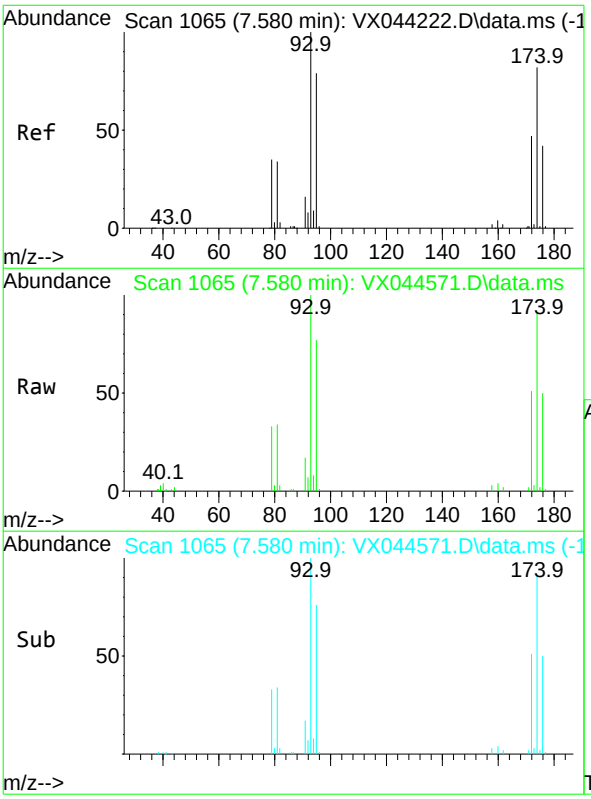
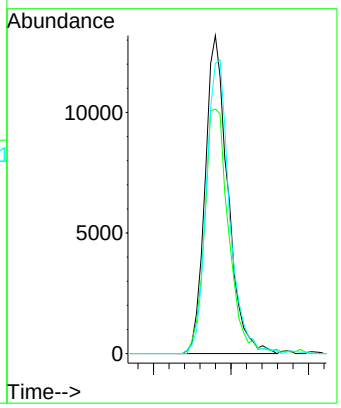


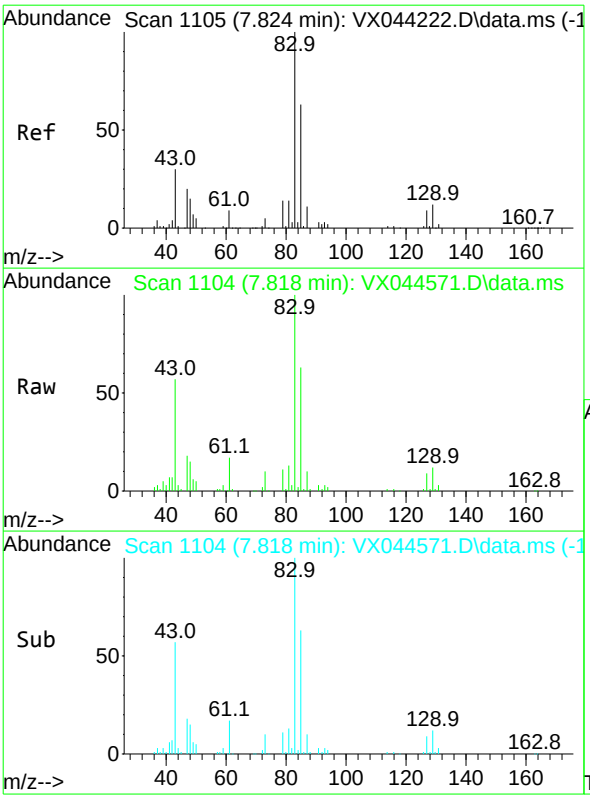


#46
Dibromomethane
Concen: 18.962 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 93 Resp: 26852

Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.4	98.2
174	94.5	67.9	101.9





#47
Bromodichloromethane
Concen: 18.804 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 83 Resp: 45988

Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.6	75.8
127	9.1	7.3	10.9

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
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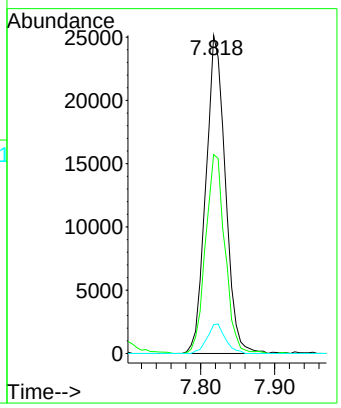
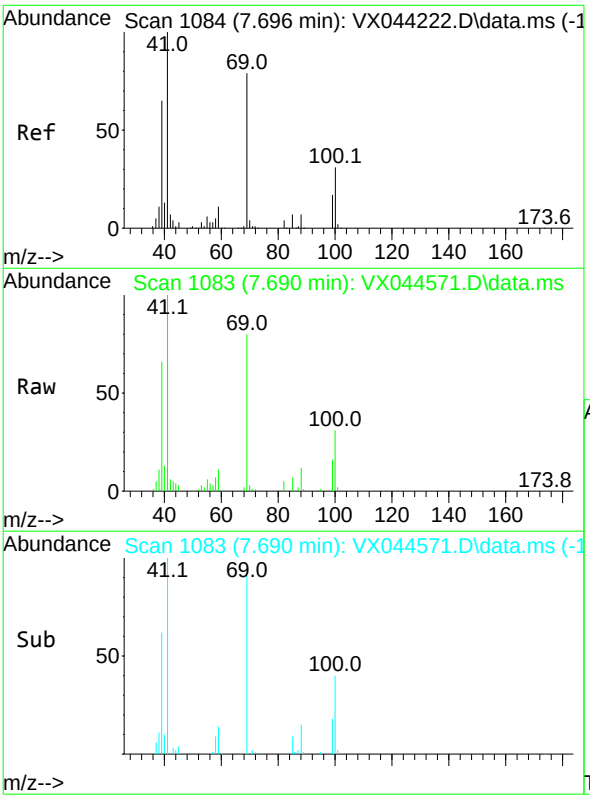
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

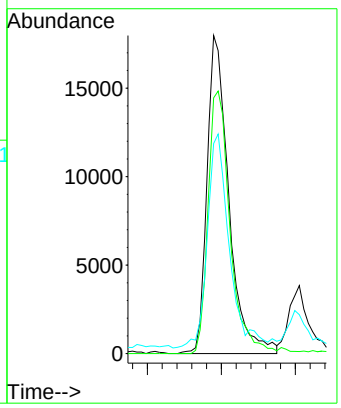


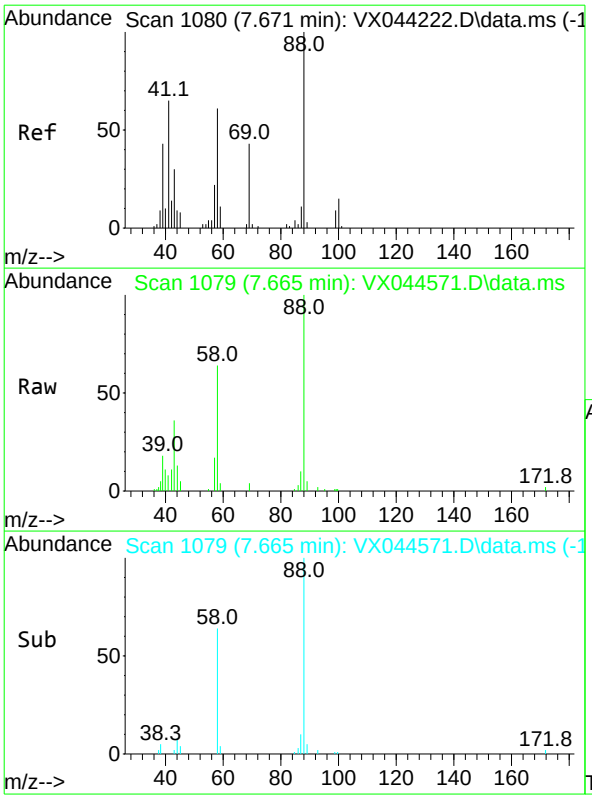


#48
Methyl methacrylate
Concen: 16.635 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 41 Resp: 36713

Ion	Ratio	Lower	Upper
41	100		
69	83.3	62.4	93.6
39	67.5	53.3	79.9





#49
1,4-Dioxane
Concen: 288.949 ug/l
RT: 7.665 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 88 Resp: 10573

Ion	Ratio	Lower	Upper
88	100		
43	21.8	27.1	40.7#
58	79.3	41.0	61.4#

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
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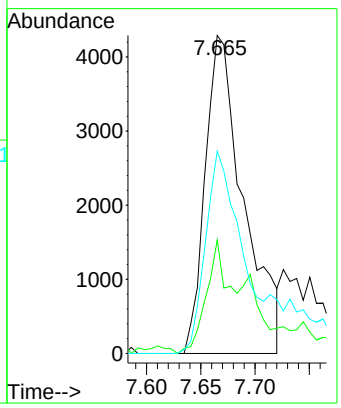
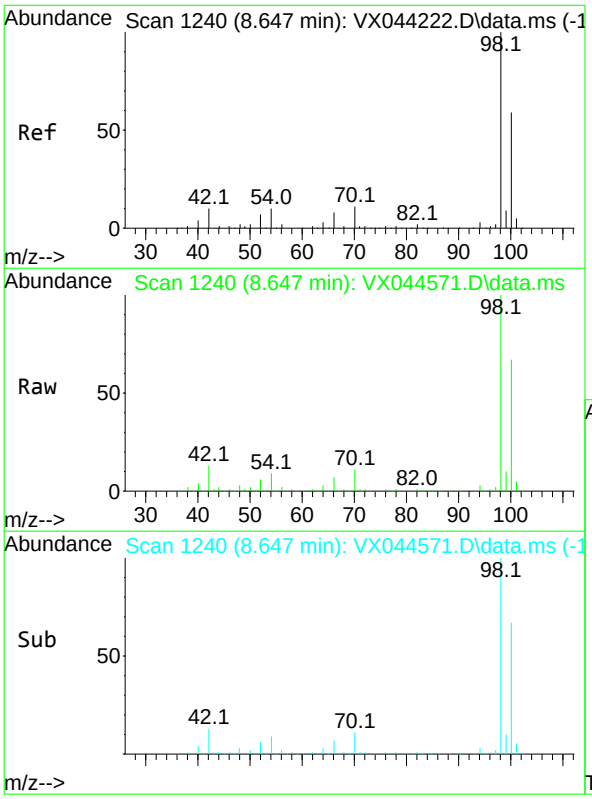
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

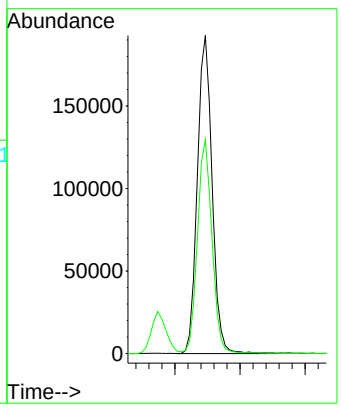


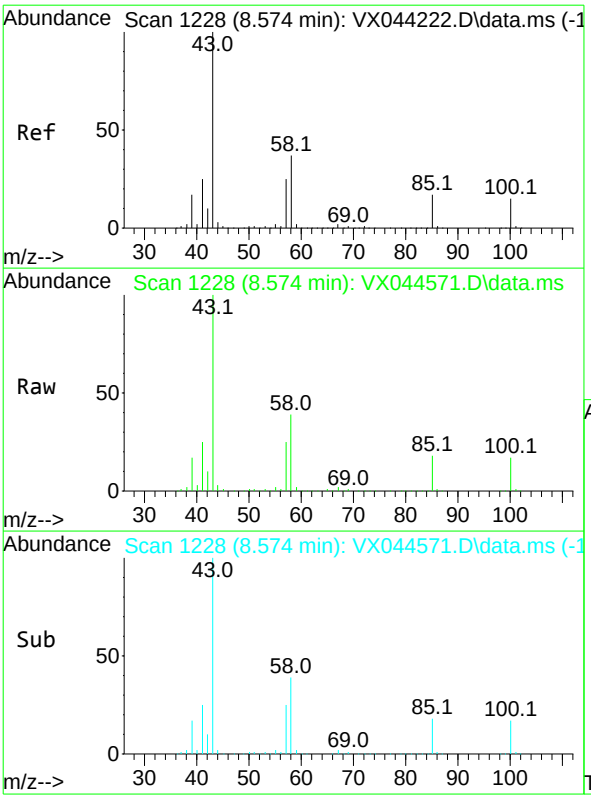


#50
Toluene-d8
Concen: 49.491 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 98 Resp: 303964

Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.5	77.3





#51
4-Methyl-2-Pentanone
Concen: 84.804 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 43 Resp: 247908

Ion	Ratio	Lower	Upper
43	100		
58	37.8	29.4	44.0

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

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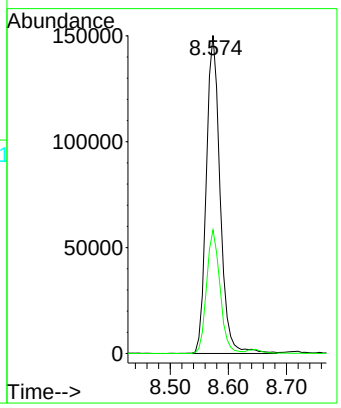
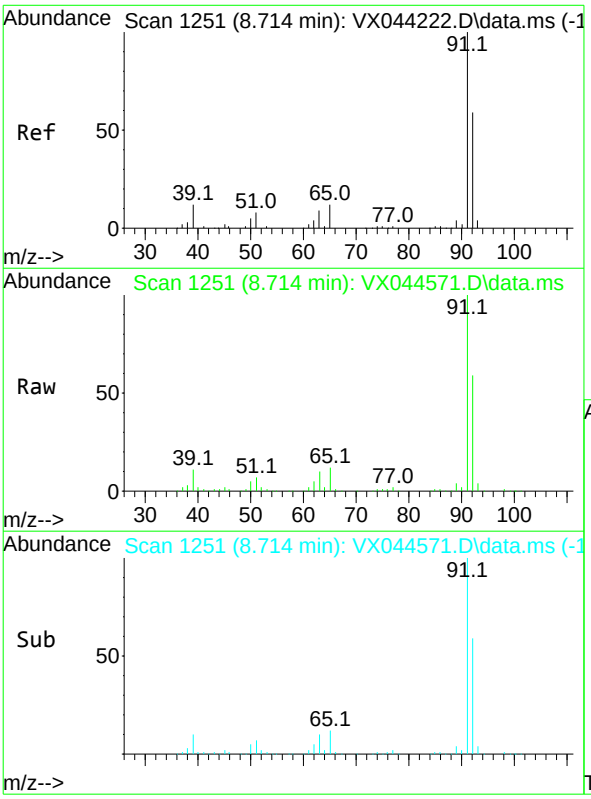
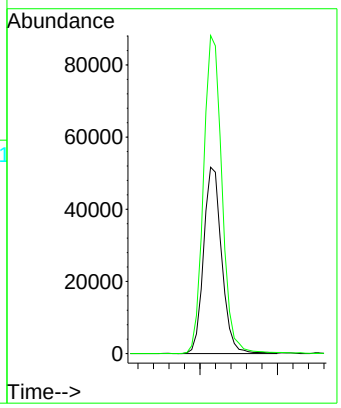


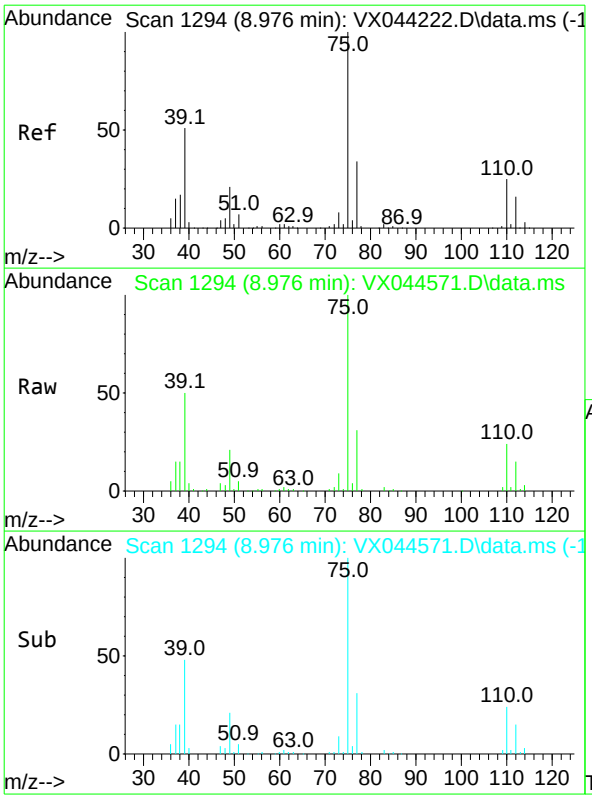


#52
Toluene
Concen: 18.669 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 92 Resp: 83762

Ion	Ratio	Lower	Upper
92	100		
91	174.7	137.0	205.6





#53
t-1,3-Dichloropropene
Concen: 17.763 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 75 Resp: 43434

Ion	Ratio	Lower	Upper
75	100		
77	30.9	27.2	40.8

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

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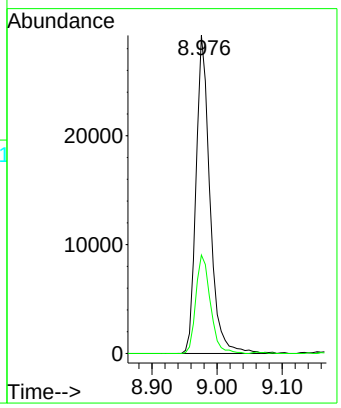
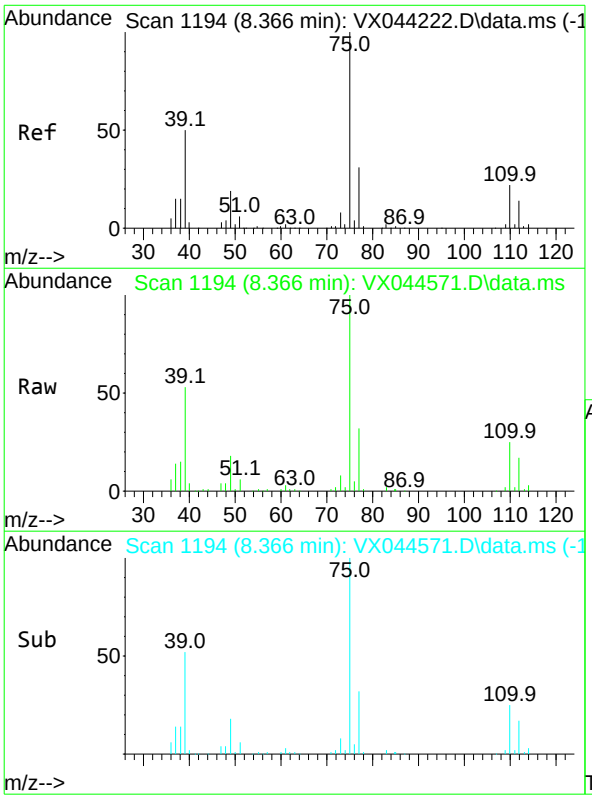
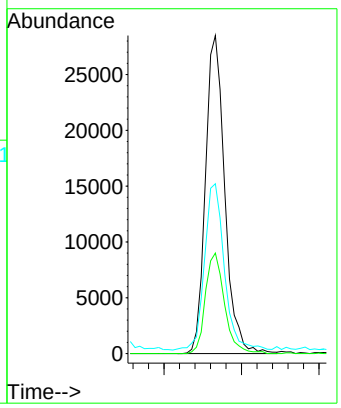


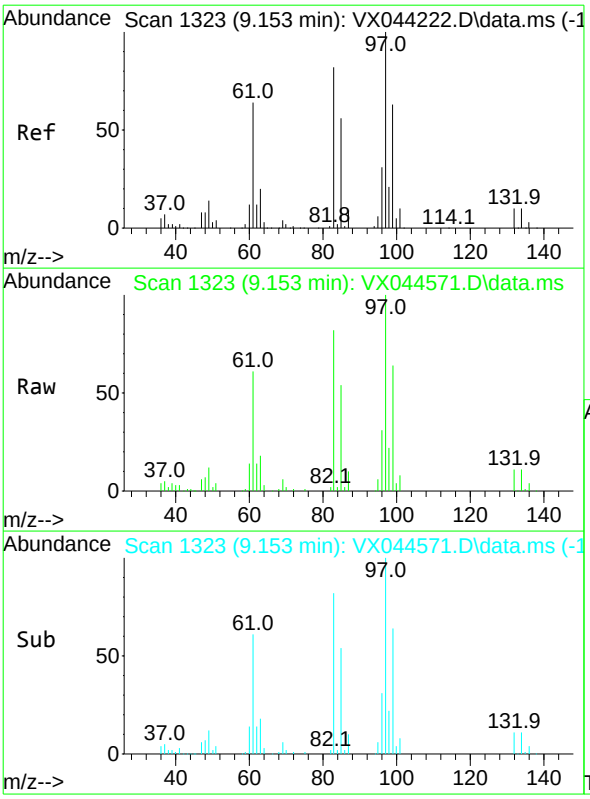


#54
cis-1,3-Dichloropropene
Concen: 18.516 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 75 Resp: 49307

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.7	37.1
39	51.9	40.3	60.5





#55
1,1,2-Trichloroethane
Concen: 19.187 ug/l
RT: 9.153 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 97 Resp: 34200

Ion	Ratio	Lower	Upper
97	100		
83	81.7	65.3	97.9
85	53.6	44.6	67.0
99	64.5	50.2	75.2

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

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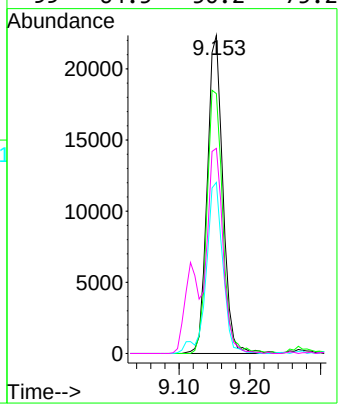
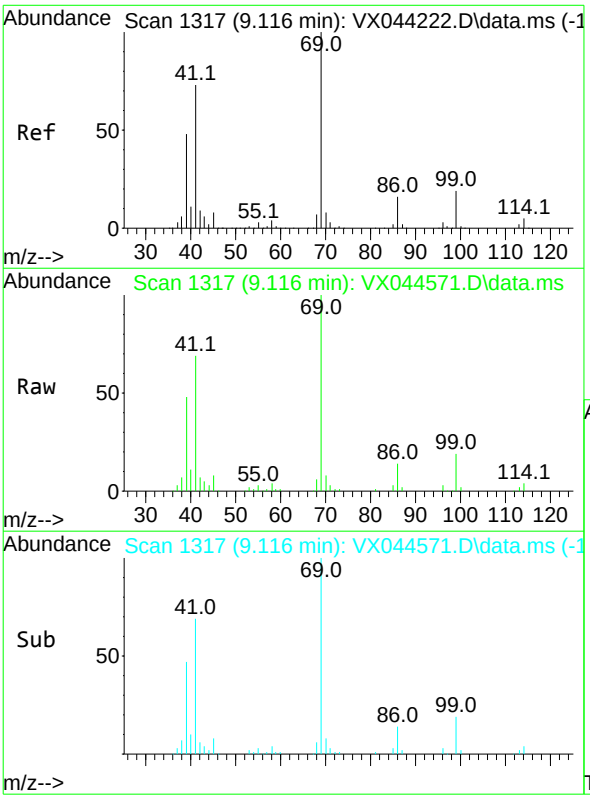
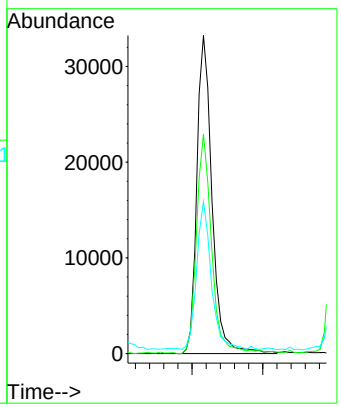


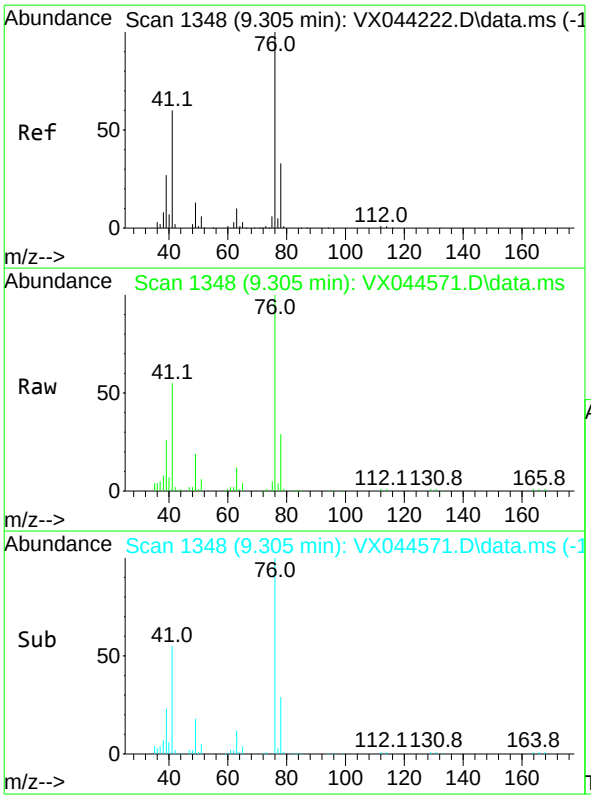


#56
Ethyl methacrylate
Concen: 17.589 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 69 Resp: 49494

Ion	Ratio	Lower	Upper
69	100		
41	69.2	56.6	85.0
39	44.9	37.4	56.0





#57
1,3-Dichloropropane
Concen: 18.578 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 76 Resp: 57637

Ion	Ratio	Lower	Upper
76	100		
78	31.0	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

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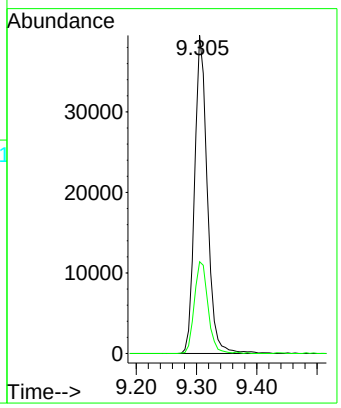
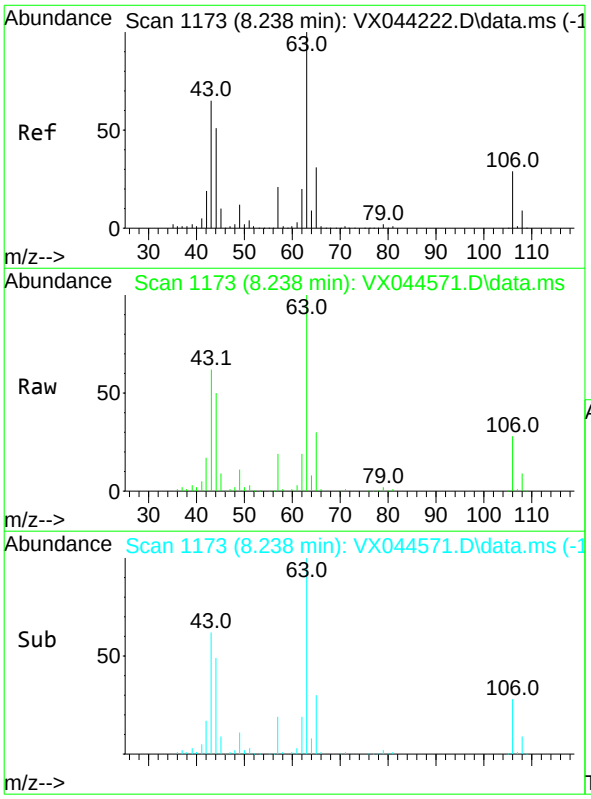
Supervised By :Mahesh Dadoda 01/02/2025

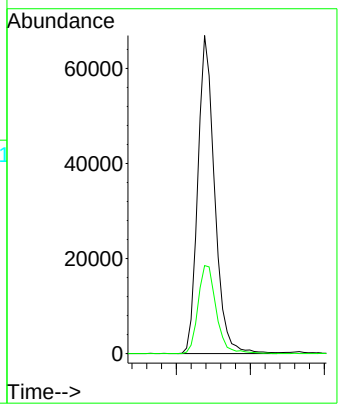


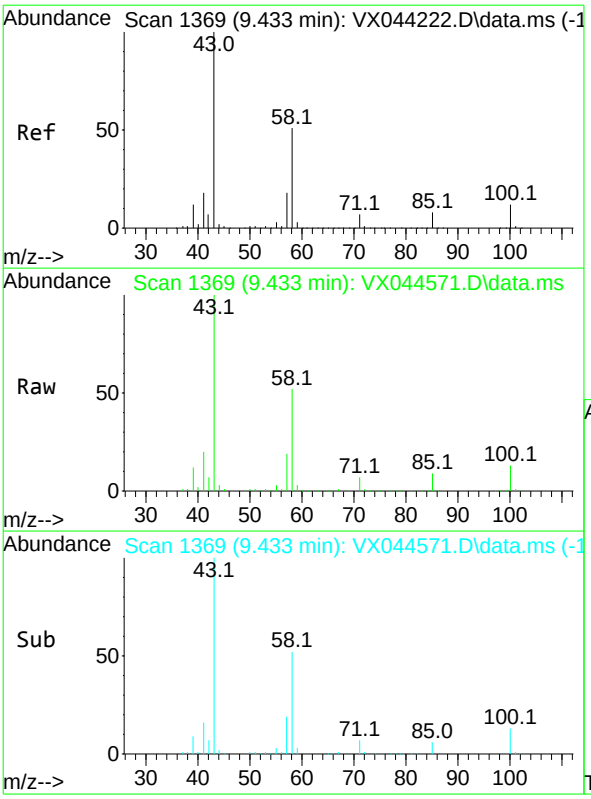


#58
2-Chloroethyl Vinyl ether
Concen: 74.352 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 63 Resp: 105524

Ion	Ratio	Lower	Upper
63	100		
106	29.9	22.8	34.2





#59
2-Hexanone
Concen: 84.919 ug/l
RT: 9.433 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 43 Resp: 179685

Ion	Ratio	Lower	Upper
43	100		
58	52.6	25.7	77.0

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

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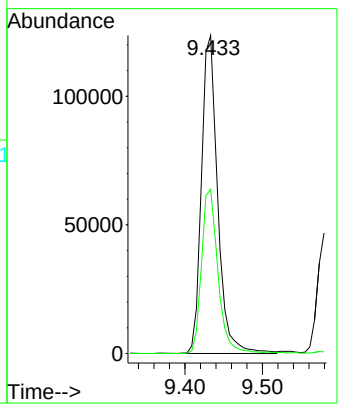
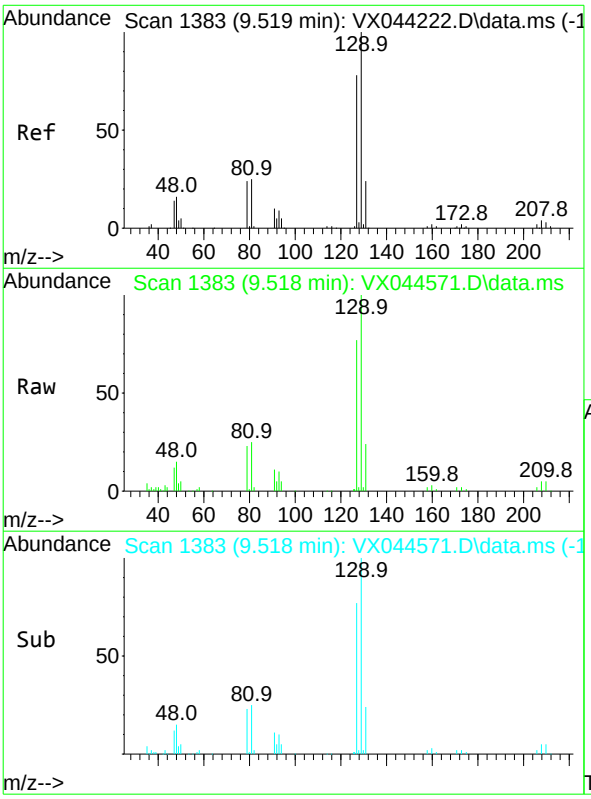
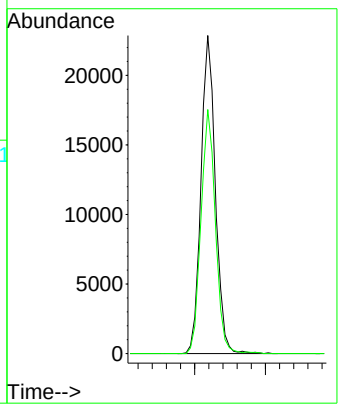


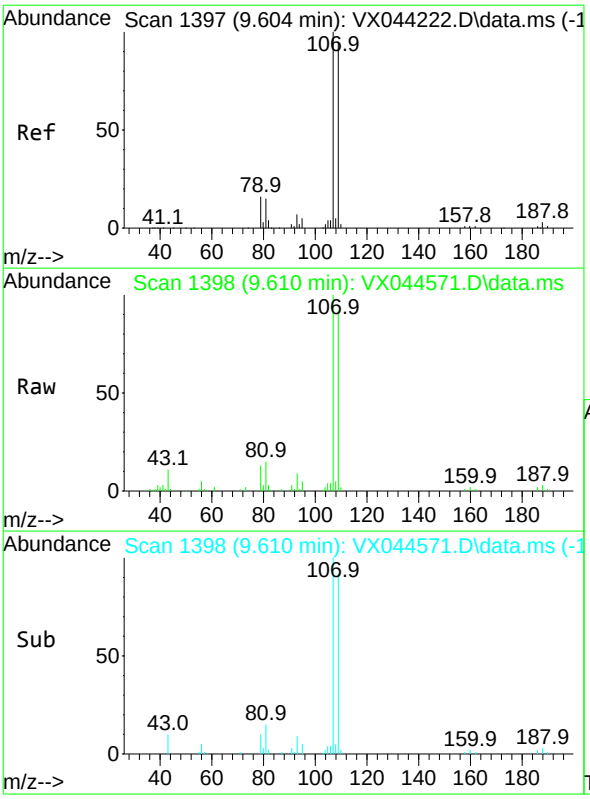


#60
Dibromochloromethane
Concen: 18.428 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:129 Resp: 32332

Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.5	115.3





#61
1,2-Dibromoethane
Concen: 19.399 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:107 Resp: 35197

Ion	Ratio	Lower	Upper
107	100		
109	91.9	77.0	115.4

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
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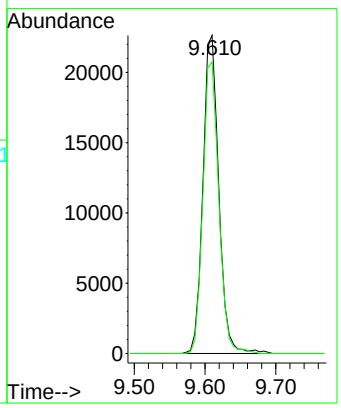
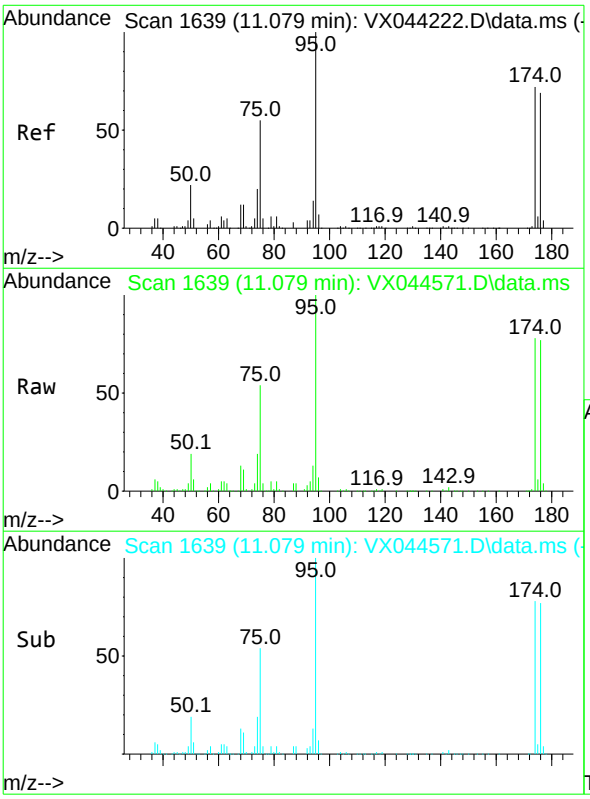
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

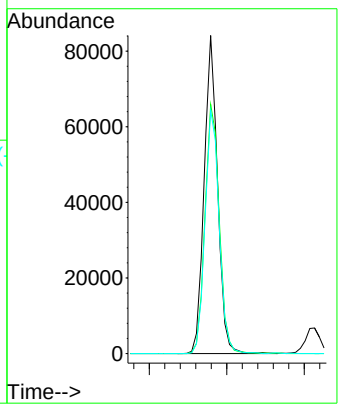


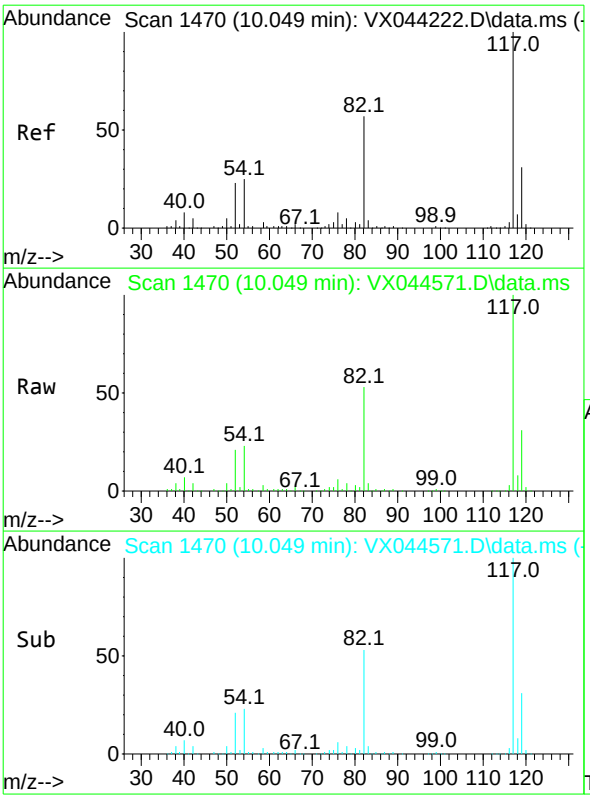


#62
4-Bromofluorobenzene
Concen: 47.053 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 95 Resp: 100980

Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	145.8
176	80.5	0.0	137.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:117 Resp: 220076

Ion	Ratio	Lower	Upper
117	100		
82	53.4	45.8	68.8
119	31.2	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

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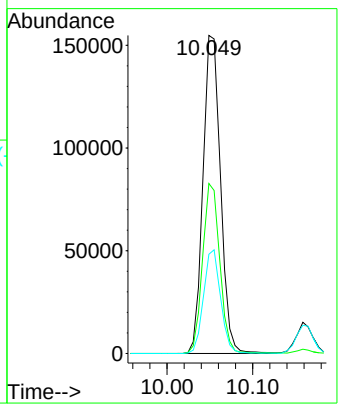
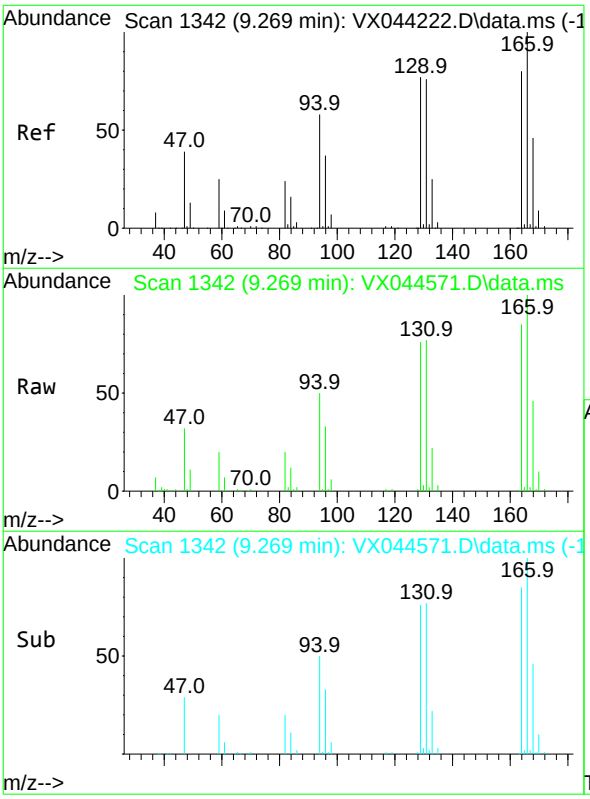
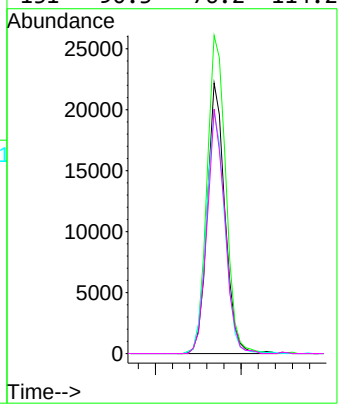


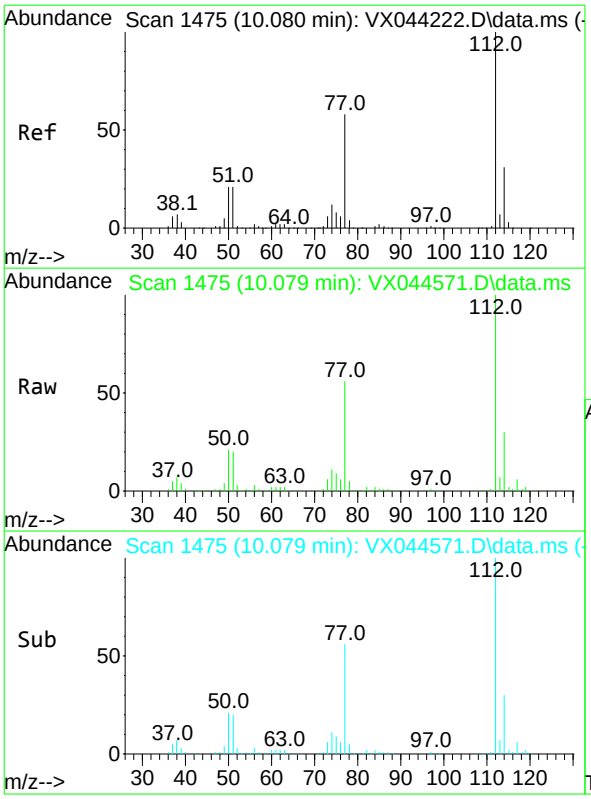


#64
Tetrachloroethene
Concen: 21.803 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:164 Resp: 31847

Ion	Ratio	Lower	Upper
164	100		
166	117.6	100.4	150.6
129	89.5	77.2	115.8
131	90.3	76.2	114.2





#65
Chlorobenzene
Concen: 19.304 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:112 Resp: 91033

Ion	Ratio	Lower	Upper
112	100		
114	30.3	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

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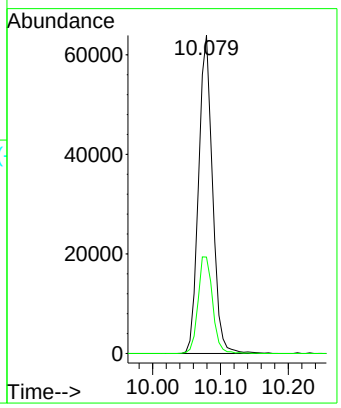
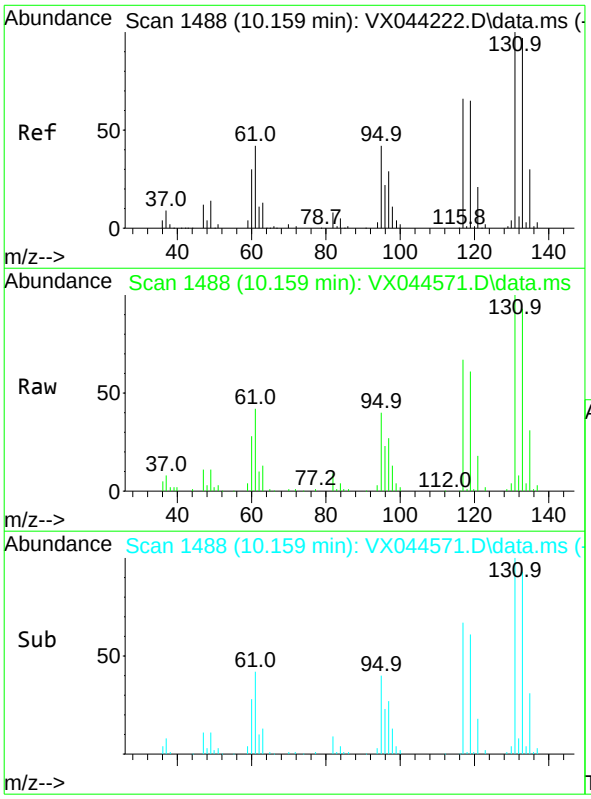
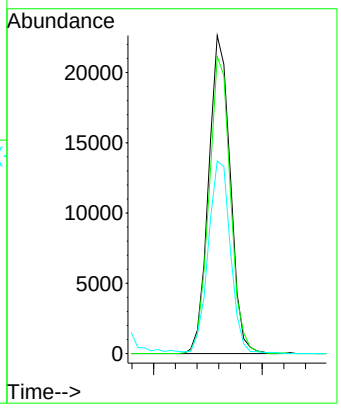


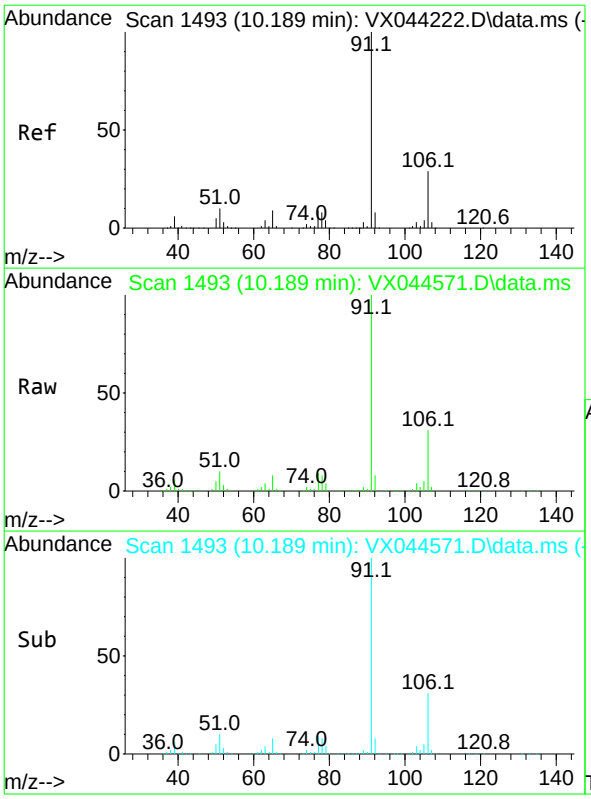


#66
1,1,1,2-Tetrachloroethane
Concen: 20.644 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:131 Resp: 31287

Ion	Ratio	Lower	Upper
131	100		
133	92.5	47.3	141.8
119	62.4	31.6	95.0





#67
Ethyl Benzene
Concen: 18.984 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 91 Resp: 154680

Ion	Ratio	Lower	Upper
91	100		
106	30.7	23.5	35.3

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
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Reviewed By :John Carlone 01/02/2025
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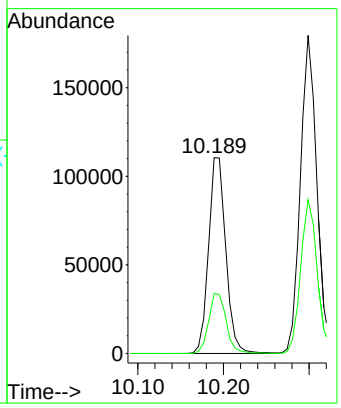
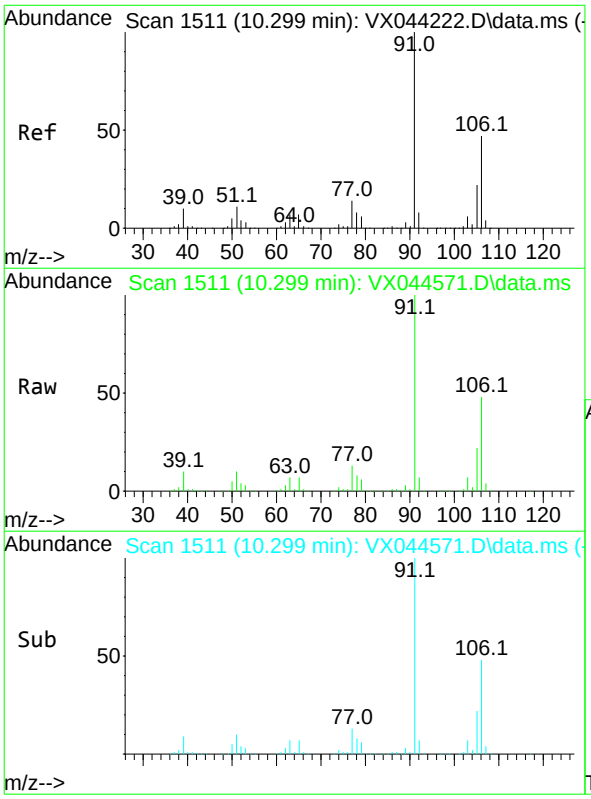
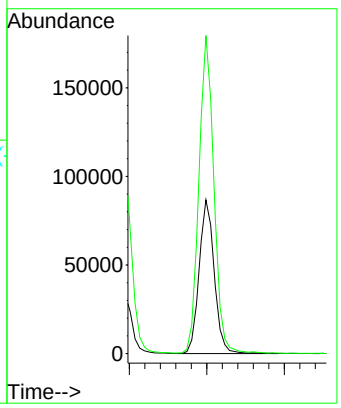


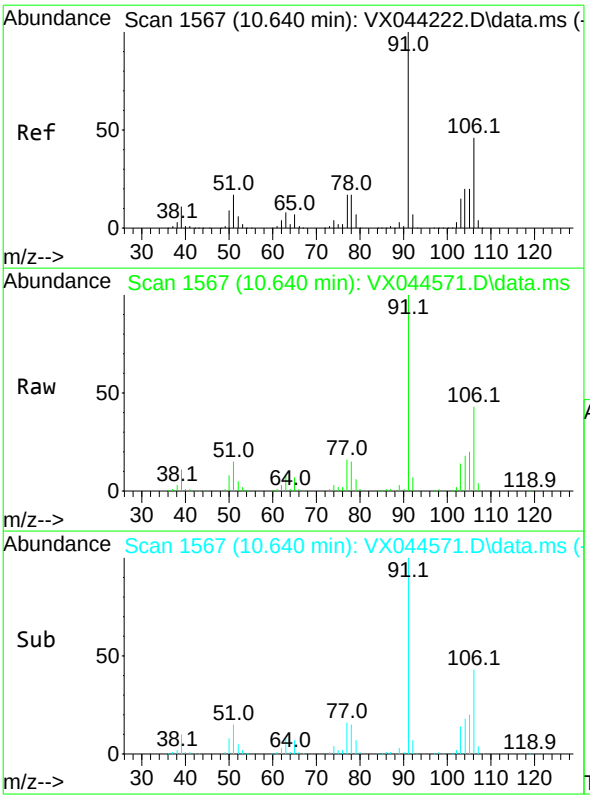


#68
m/p-Xylenes
Concen: 39.337 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:106 Resp: 117612

Ion	Ratio	Lower	Upper
106	100		
91	204.8	170.2	255.2





#69
o-Xylene
Concen: 19.317 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:106 Resp: 58437

Ion	Ratio	Lower	Upper
106	100		
91	214.3	112.3	337.0

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
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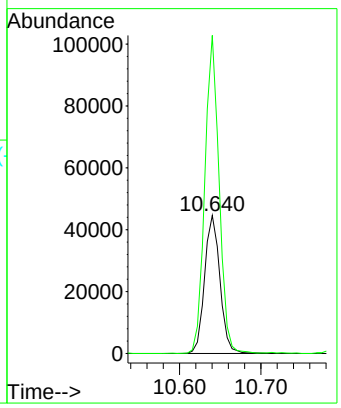
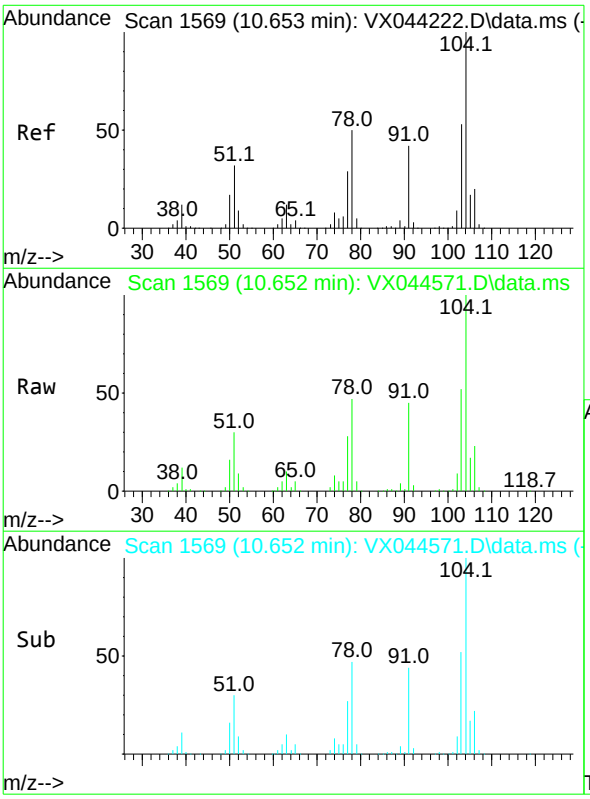
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

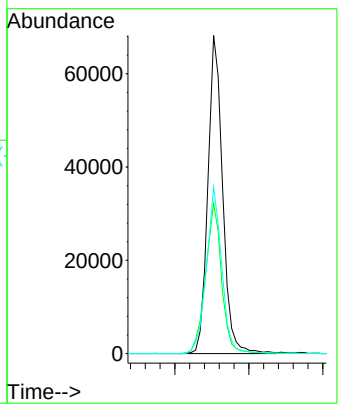


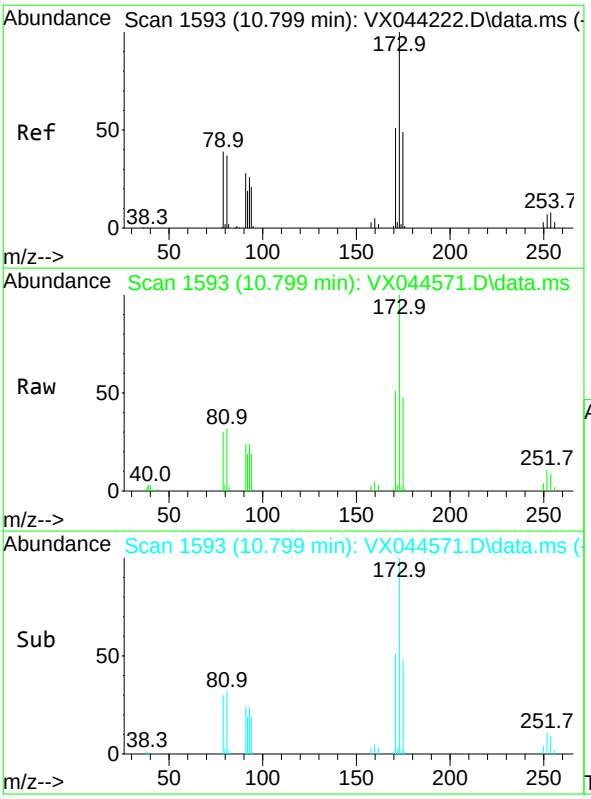


#70
Styrene
Concen: 19.481 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:104 Resp: 94475

Ion	Ratio	Lower	Upper
104	100		
78	51.5	44.6	67.0
103	54.8	45.4	68.0





#71
Bromoform
Concen: 20.788 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:173 Resp: 19902

Ion	Ratio	Lower	Upper
173	100		
175	45.8	23.8	71.4
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
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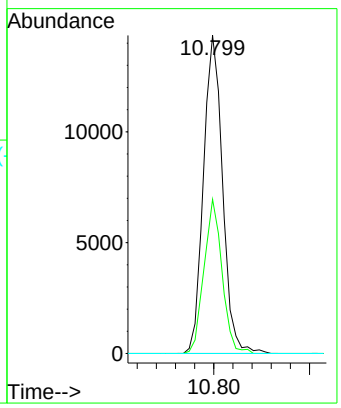
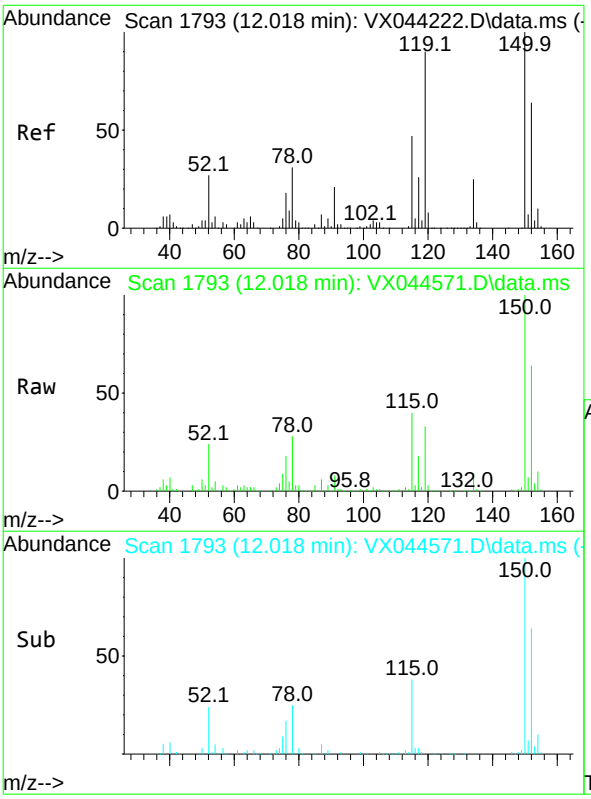
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

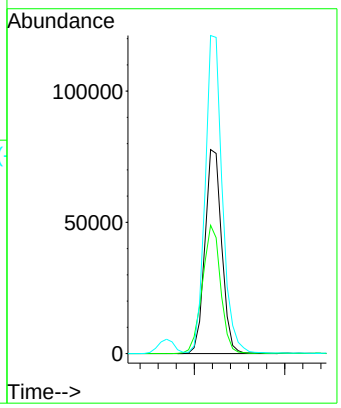


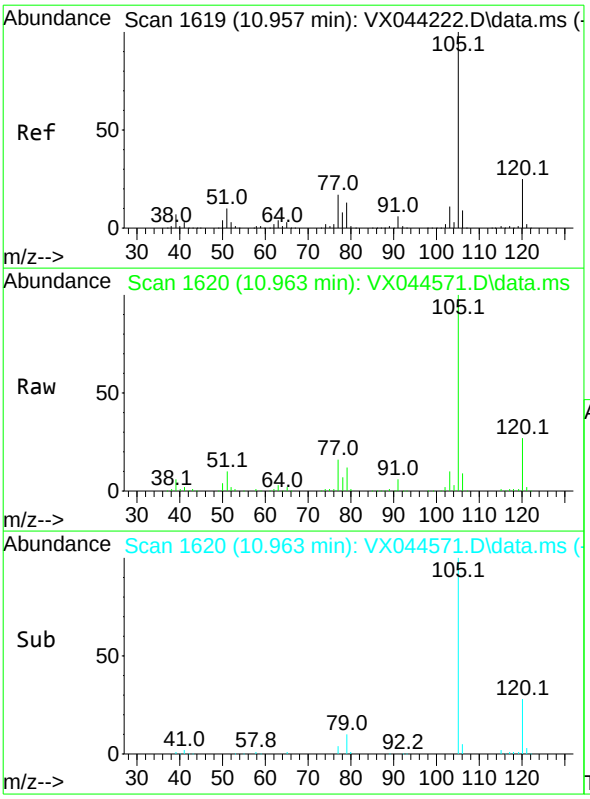


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:152 Resp: 100083

Ion	Ratio	Lower	Upper
152	100		
115	68.2	44.5	133.3
150	159.6	0.0	353.8





#73
Isopropylbenzene
Concen: 19.210 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:105 Resp: 147179

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.3

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

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Reviewed By :John Carlone 01/02/2025
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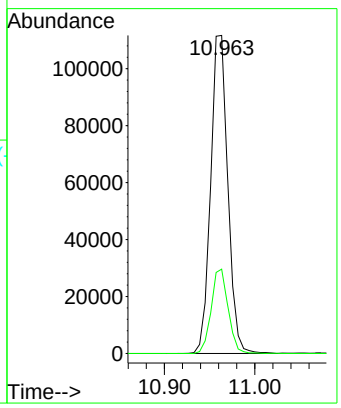
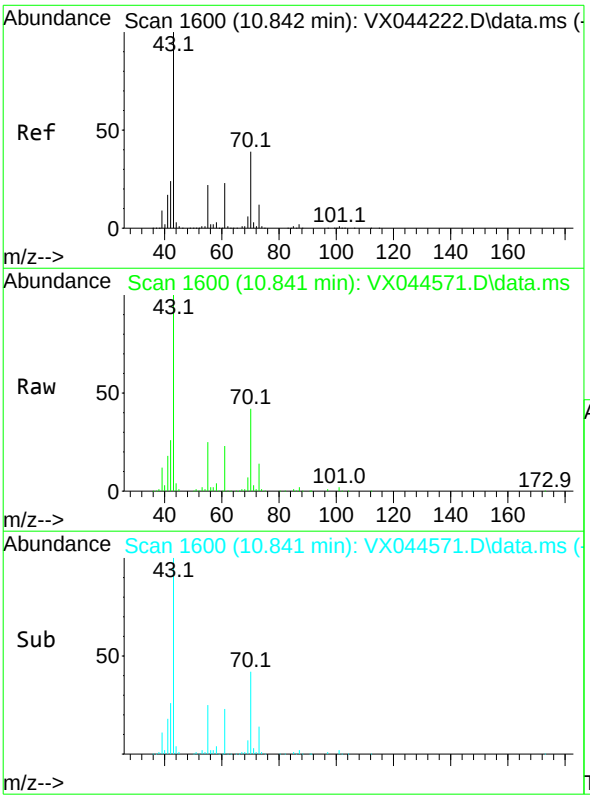
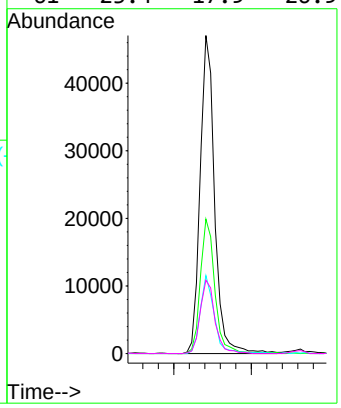


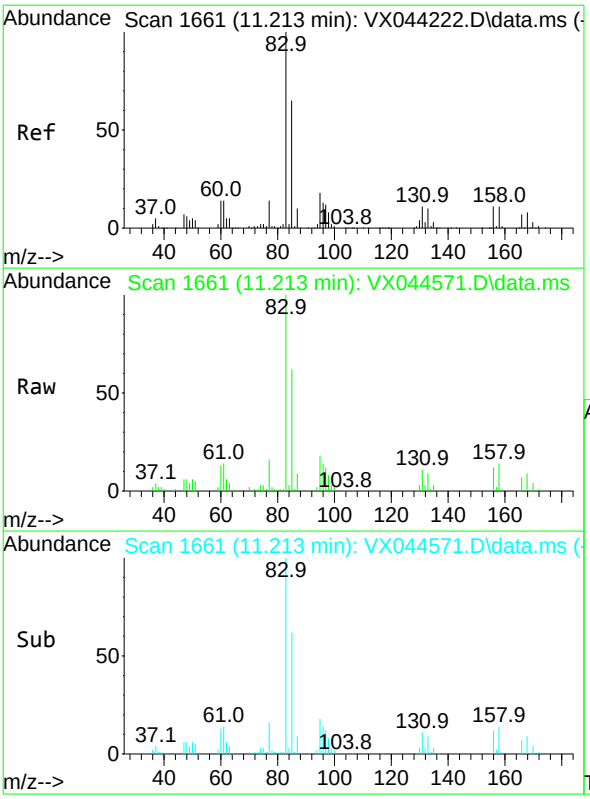


#74
N-amyl acetate
Concen: 17.236 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 43 Resp: 61031

Ion	Ratio	Lower	Upper
43	100		
70	42.2	31.9	47.9
55	23.6	17.9	26.9
61	23.4	17.9	26.9





#75
1,1,2,2-Tetrachloroethane
Concen: 18.960 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 83 Resp: 50455

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.1	15.4
85	63.2	32.5	97.4

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
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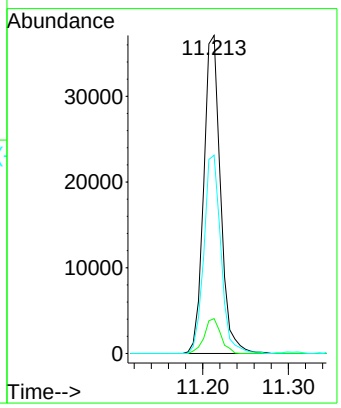
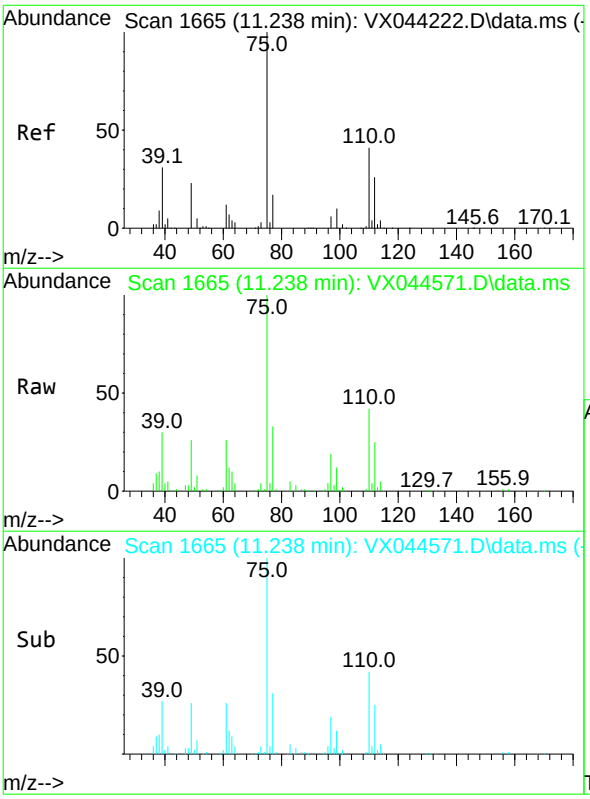
Supervised By :Mahesh Dadoda 01/02/2025

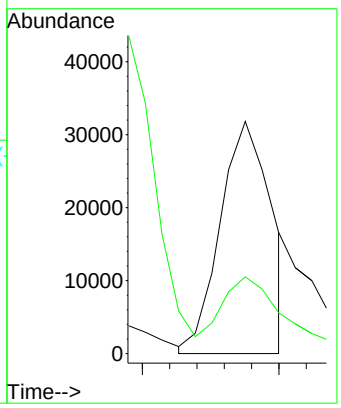


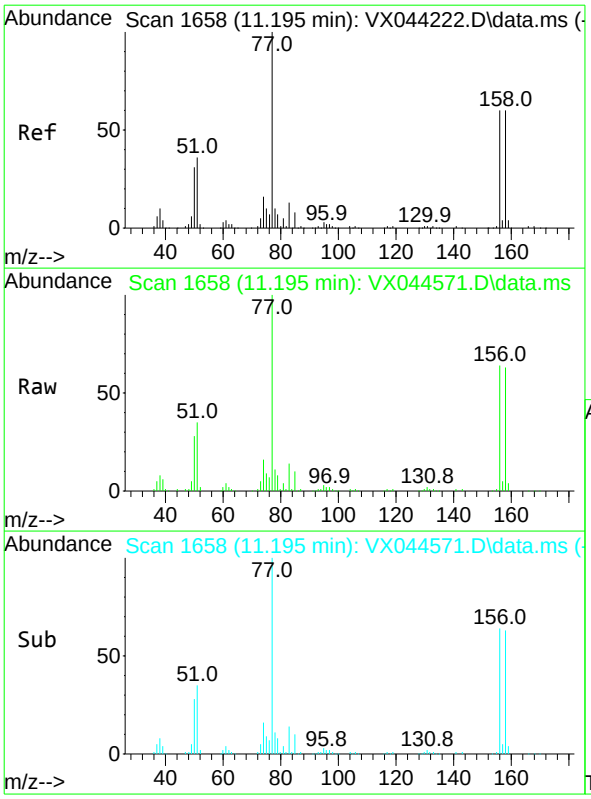


#76
1,2,3-Trichloropropane
Concen: 18.461 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 75 Resp: 41254

Ion	Ratio	Lower	Upper
75	100		
77	41.3	20.9	62.7





#77
Bromobenzene
Concen: 20.401 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:156 Resp: 37903

Ion	Ratio	Lower	Upper
156	100		
77	146.8	82.6	247.8
158	97.2	48.8	146.4

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
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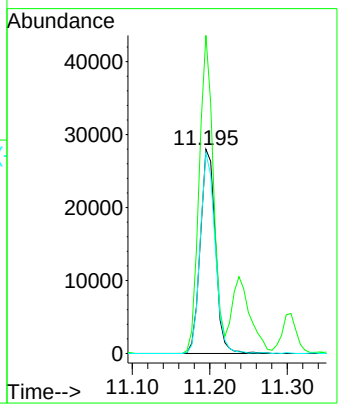
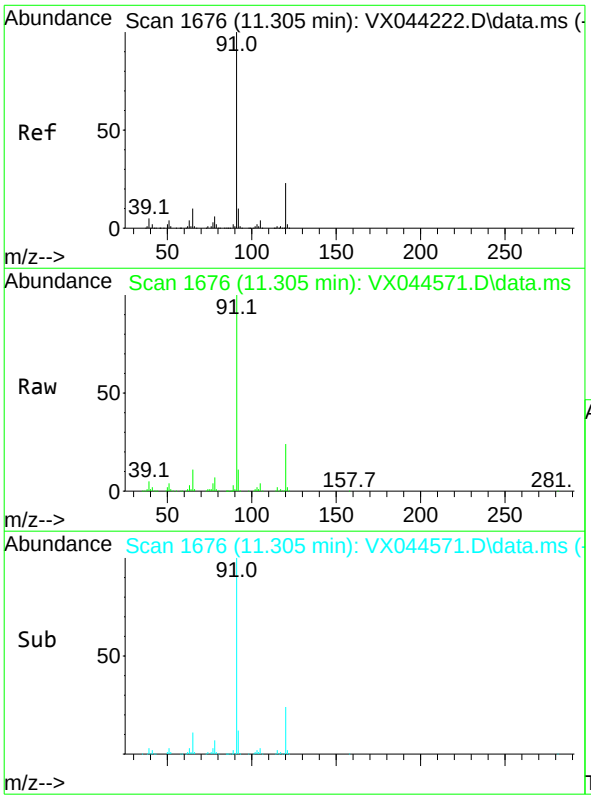
Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

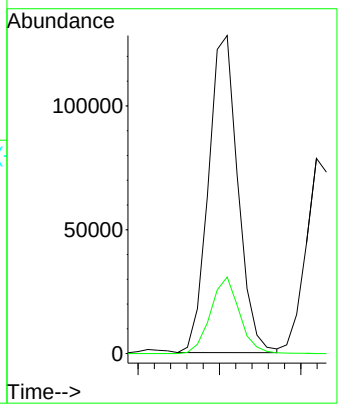


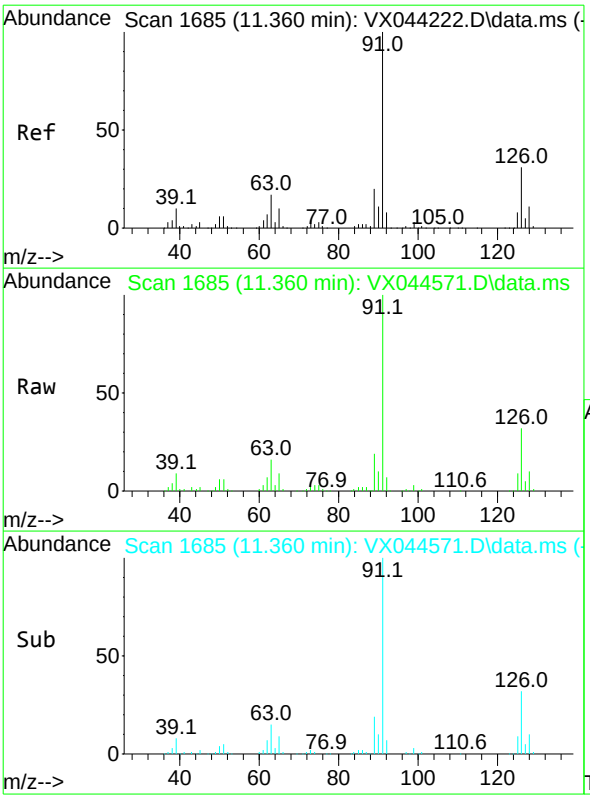


#78
n-propylbenzene
Concen: 19.075 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 91 Resp: 161531

Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.0	33.0





#79
2-Chlorotoluene
Concen: 18.485 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 91 Resp: 101236

Ion	Ratio	Lower	Upper
91	100		
126	34.7	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
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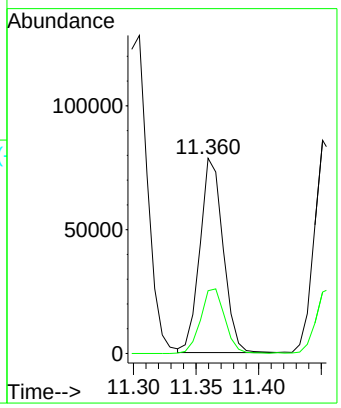
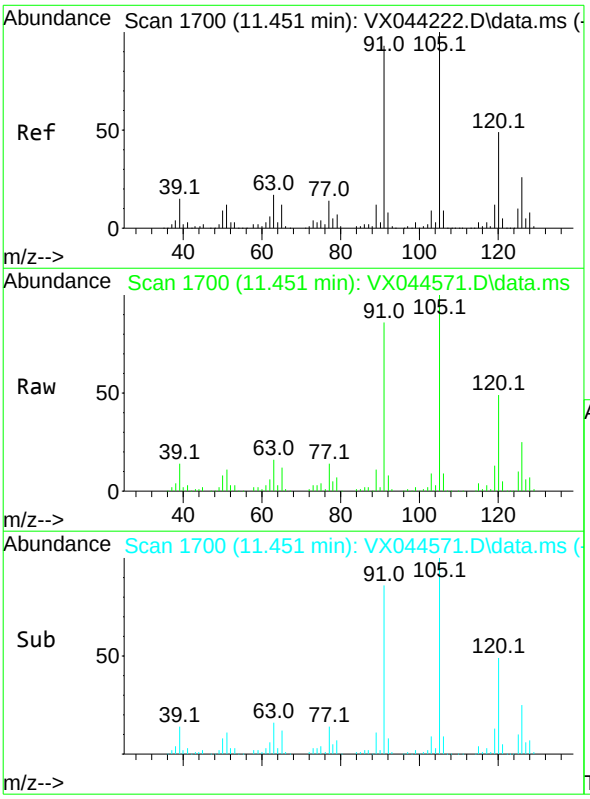
Supervised By :Mahesh Dadoda 01/02/2025

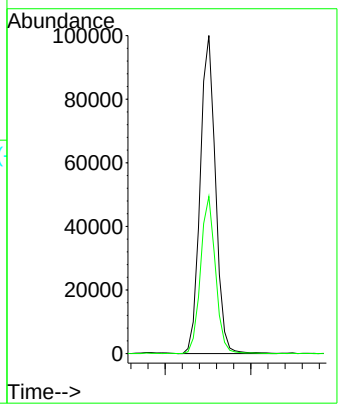


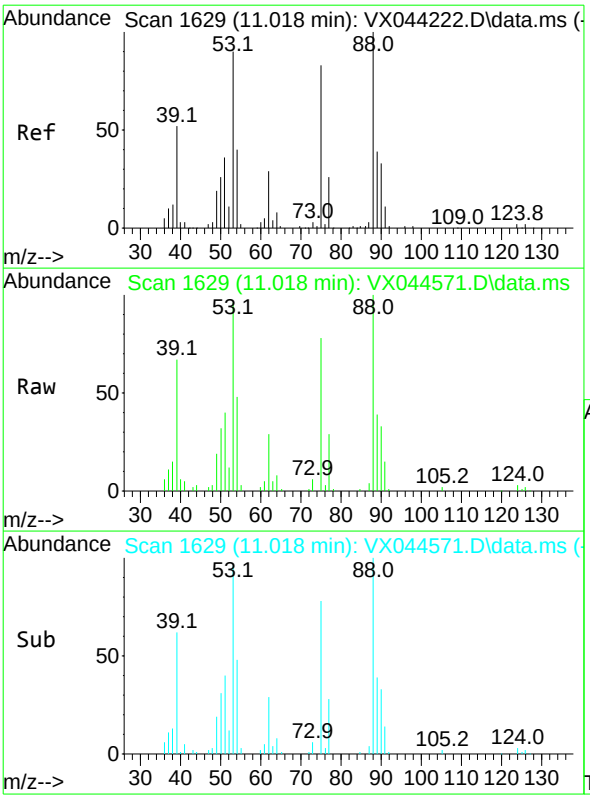


#80
1,3,5-Trimethylbenzene
Concen: 19.549 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:105 Resp: 124209

Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.8	71.4





#81
trans-1,4-Dichloro-2-butene
Concen: 18.927 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

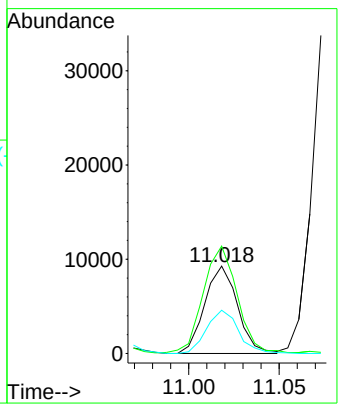
Tgt Ion: 75 Resp: 11717

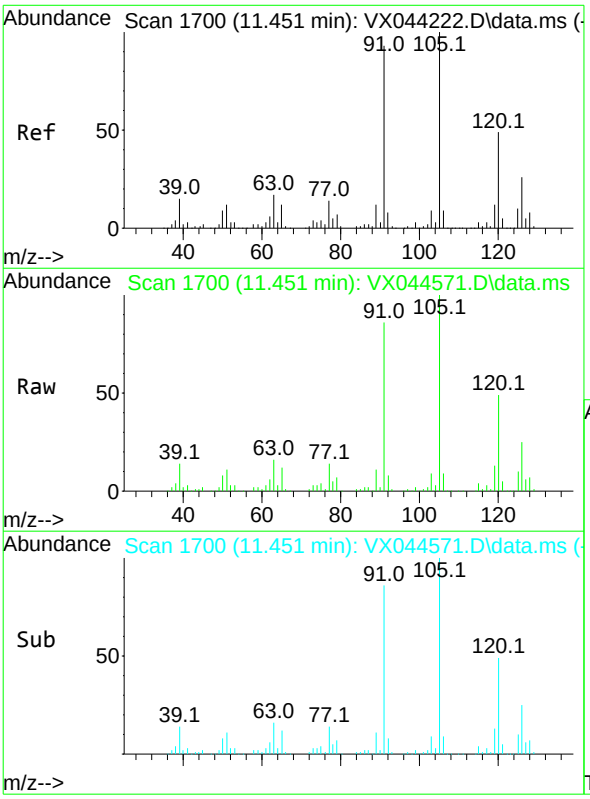
Ion	Ratio	Lower	Upper
75	100		
53	125.7	93.6	140.4
89	48.2	37.3	55.9

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

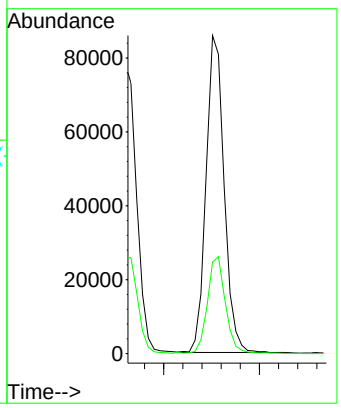


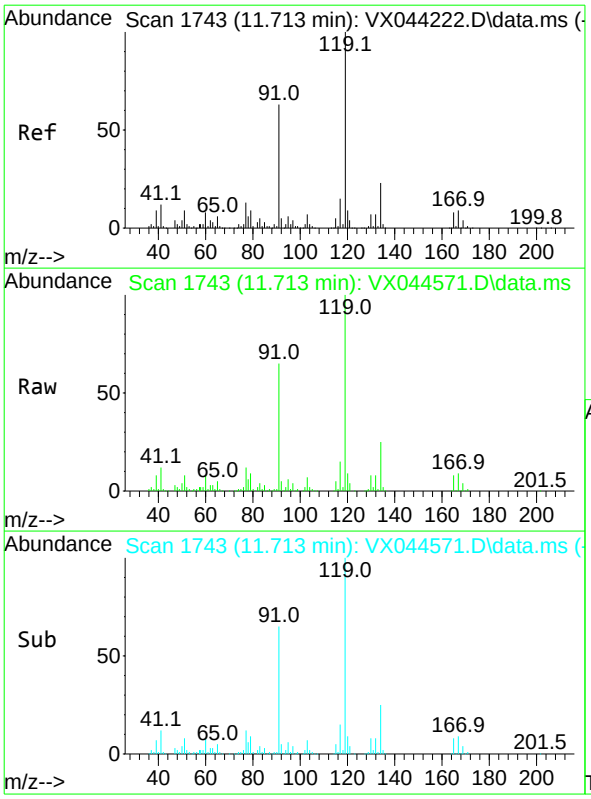


#82
4-Chlorotoluene
Concen: 18.516 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 91 Resp: 112294

Ion	Ratio	Lower	Upper
91	100		
126	30.8	14.5	43.5





#83
tert-Butylbenzene
Concen: 19.434 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:119 Resp: 122030

Ion	Ratio	Lower	Upper
119	100		
91	61.9	30.9	92.5
134	24.6	11.5	34.4

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
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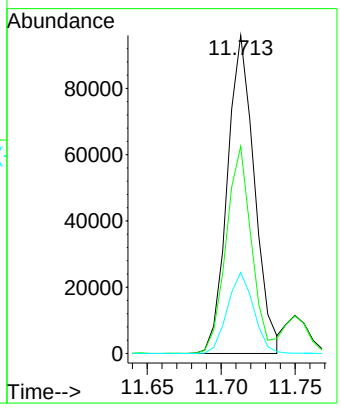
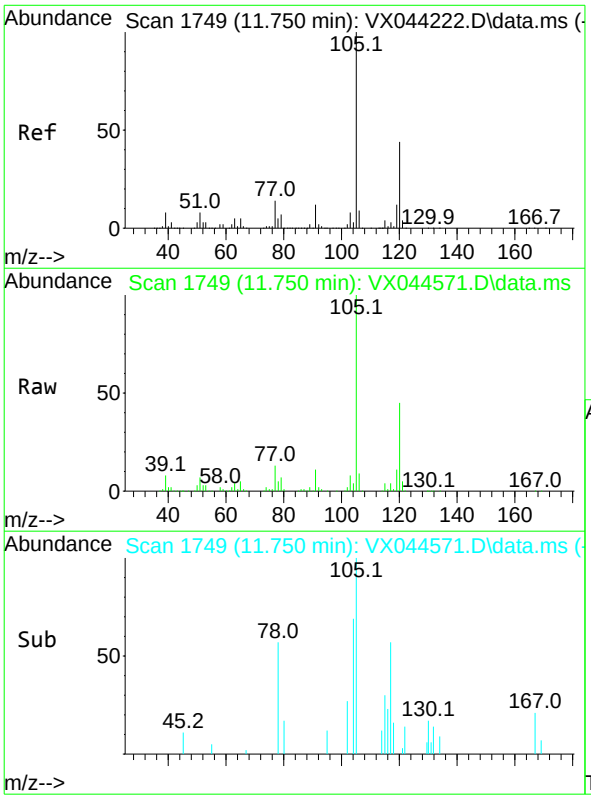
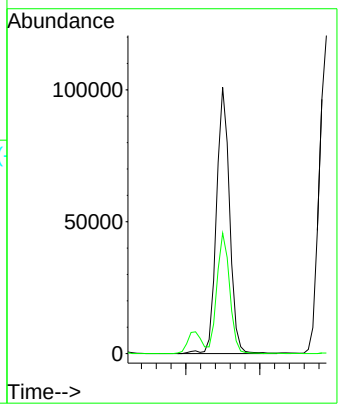


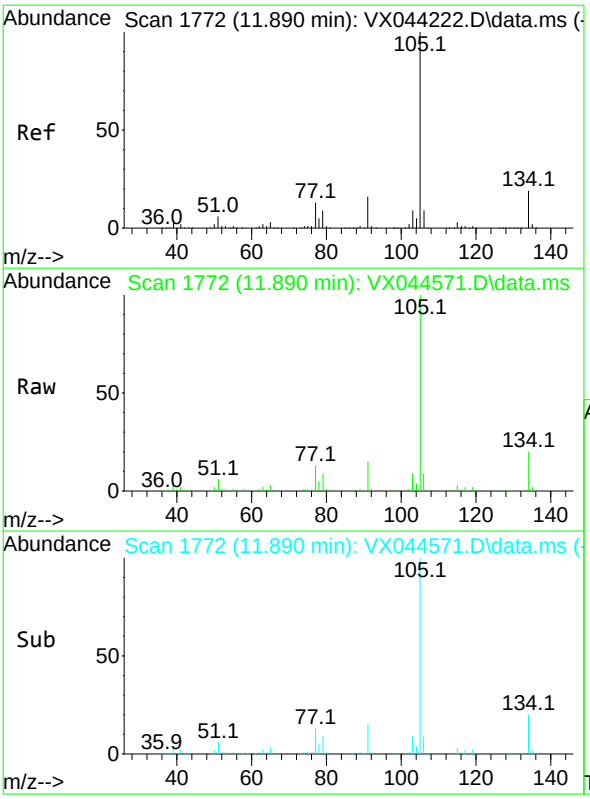


#84
1,2,4-Trimethylbenzene
Concen: 19.894 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:105 Resp: 124140

Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.7	65.1





#85
sec-Butylbenzene
Concen: 19.181 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:105 Resp: 146216

Ion	Ratio	Lower	Upper
105	100		
134	20.7	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
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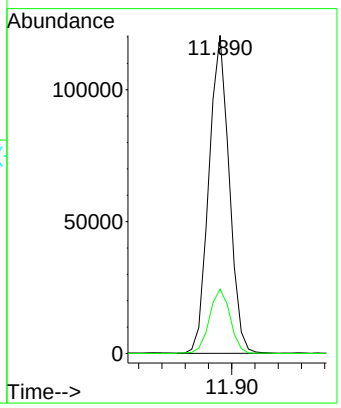
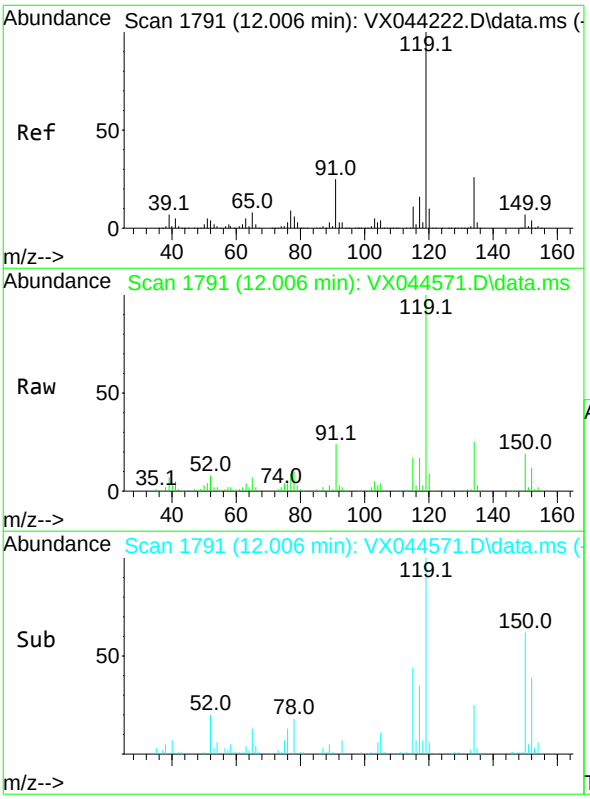
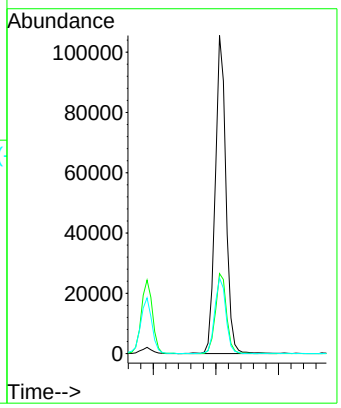


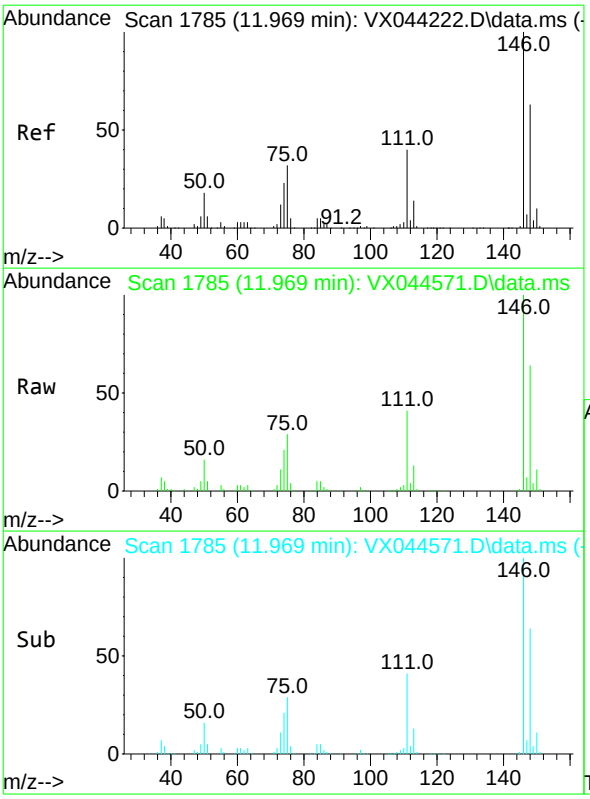


#86
p-Isopropyltoluene
Concen: 19.704 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:119 Resp: 125017

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.8	38.4
91	24.8	13.0	39.0





#87
1,3-Dichlorobenzene
Concen: 19.966 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Tgt Ion:146 Resp: 64797

Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.4	64.2
148	64.4	31.7	95.1

Manual Integrations
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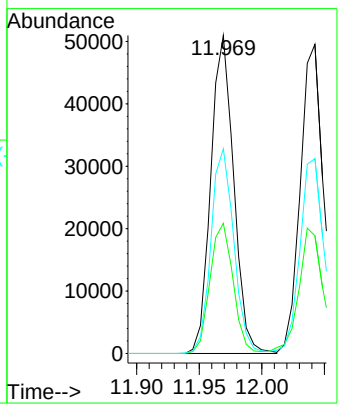
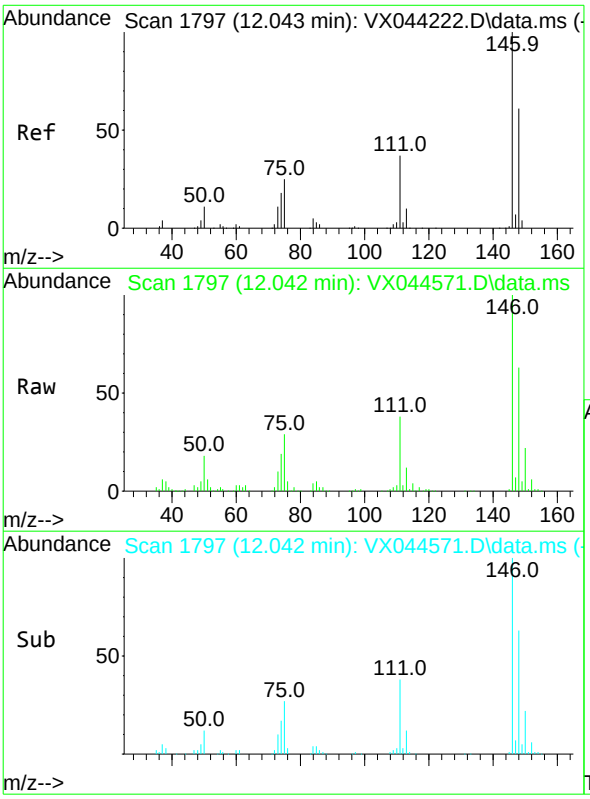
Supervised By :Mahesh Dadoda 01/02/2025

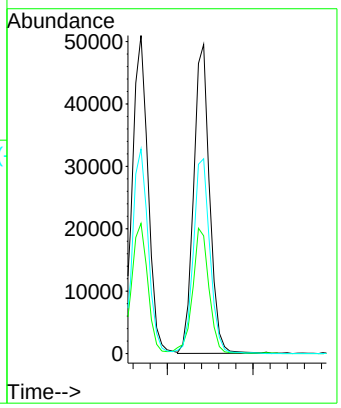


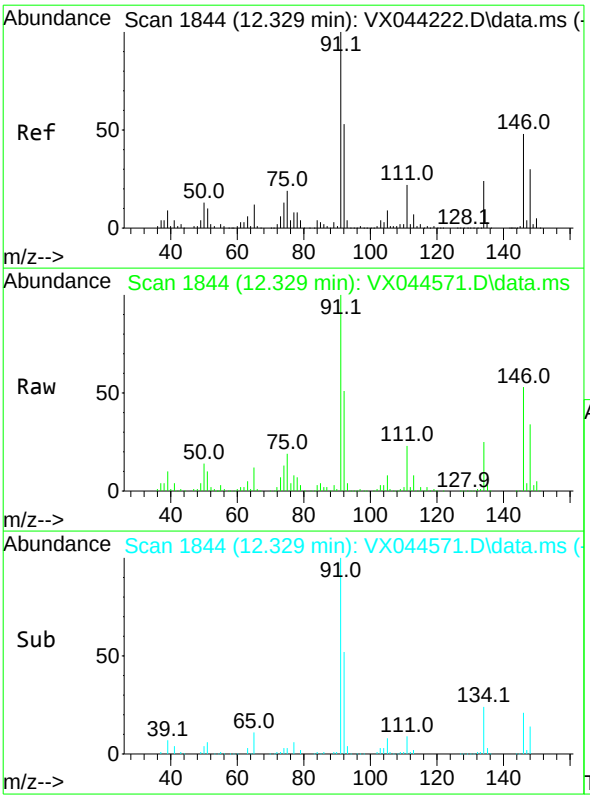


#88
1,4-Dichlorobenzene
Concen: 19.230 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:146 Resp: 64153

Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.0	63.0
148	65.9	32.3	96.8





#89
n-Butylbenzene
Concen: 18.352 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

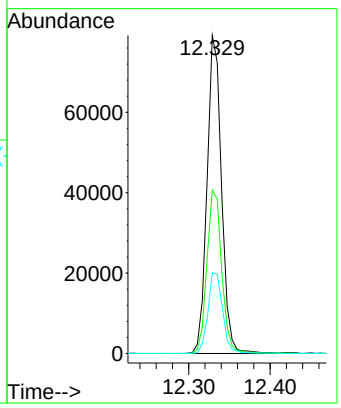
Tgt Ion: 91 Resp: 97910

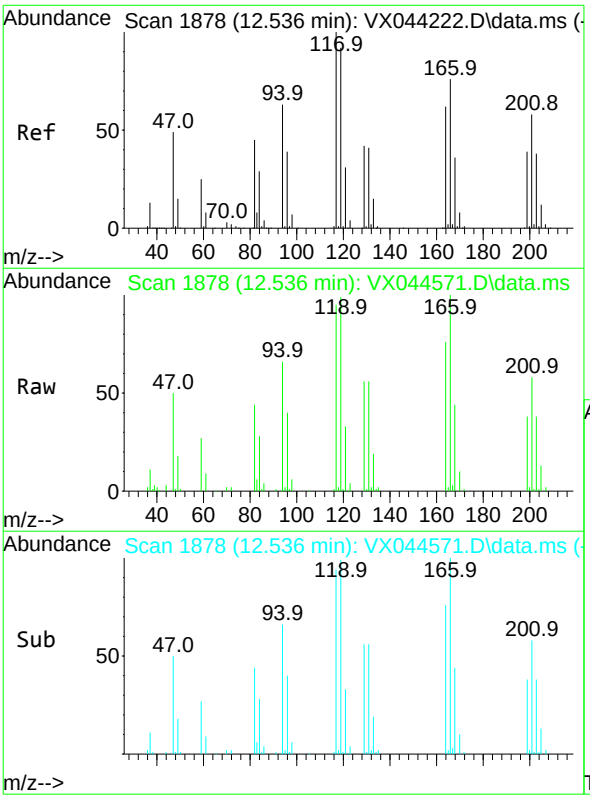
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.6	79.7
134	25.8	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

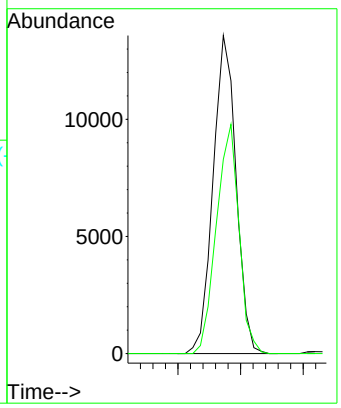


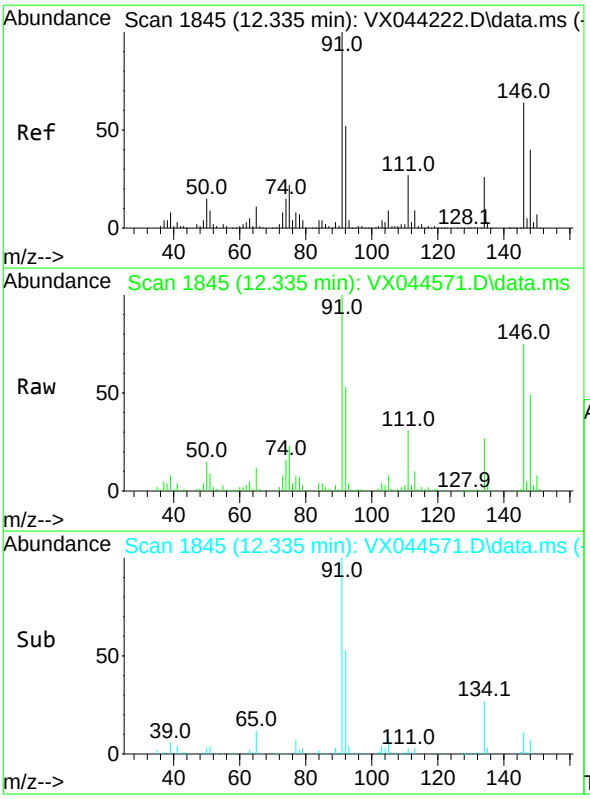


#90
Hexachloroethane
Concen: 18.704 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:117 Resp: 17323

Ion	Ratio	Lower	Upper
117	100		
201	70.7	31.4	94.2





#91
1,2-Dichlorobenzene
Concen: 19.837 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

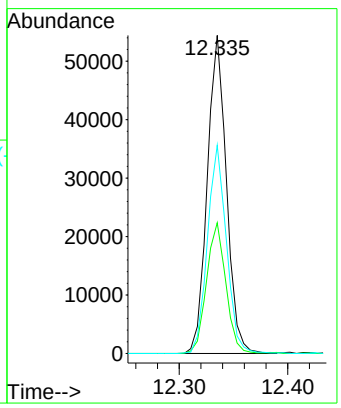
Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

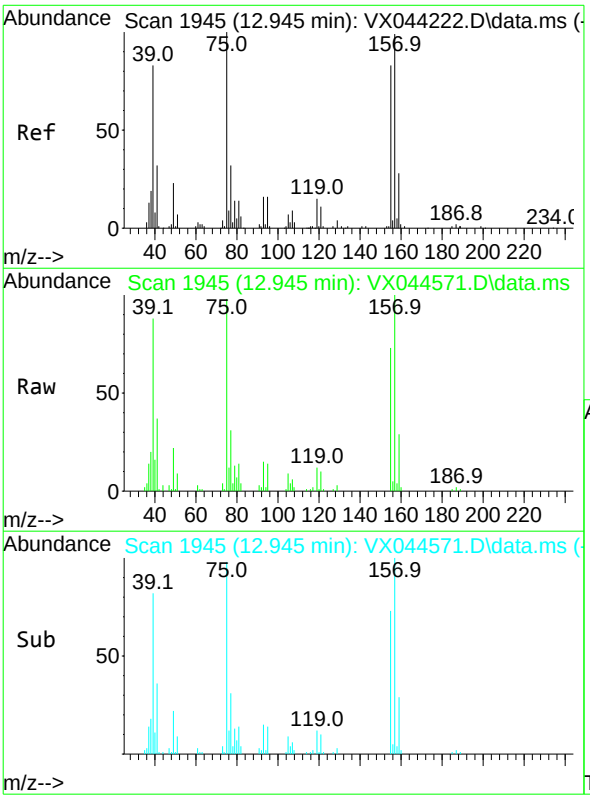
Tgt Ion:146 Resp: 66845

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.4	64.3
148	64.9	31.6	95.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

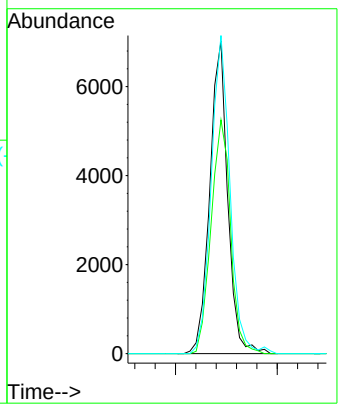


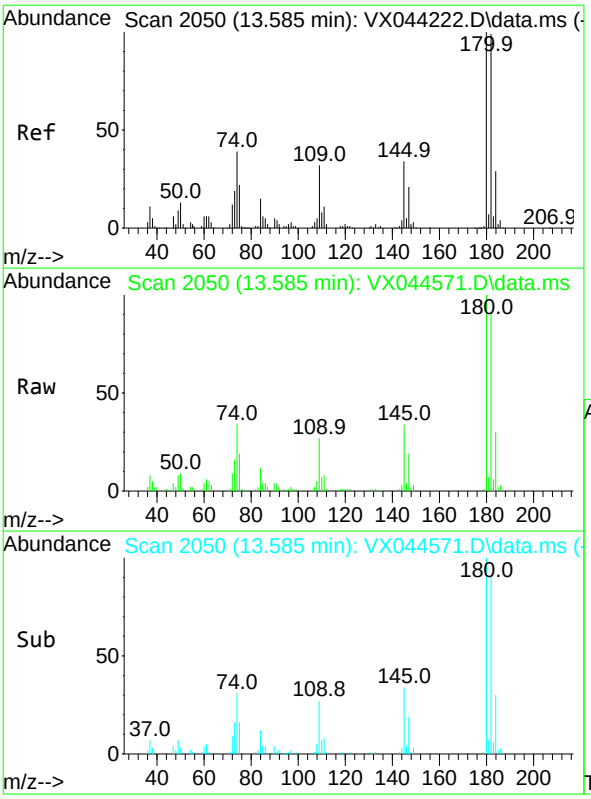


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.624 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion: 75 Resp: 8588

Ion	Ratio	Lower	Upper
75	100		
155	81.2	38.1	114.3
157	107.0	47.2	141.6





#93
1,2,4-Trichlorobenzene
Concen: 20.183 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

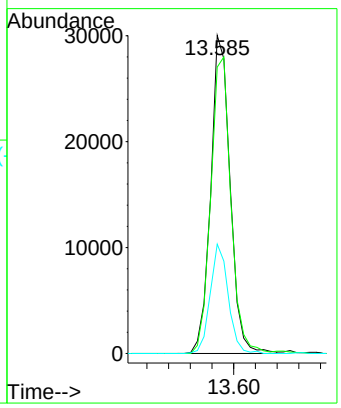
Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

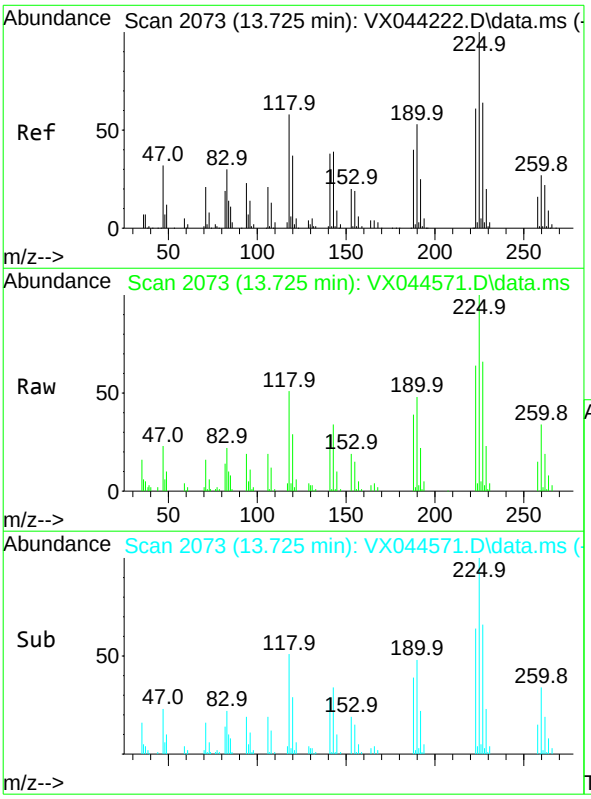
Tgt Ion:180 Resp: 37288

Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.0	144.2
145	32.0	16.6	49.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

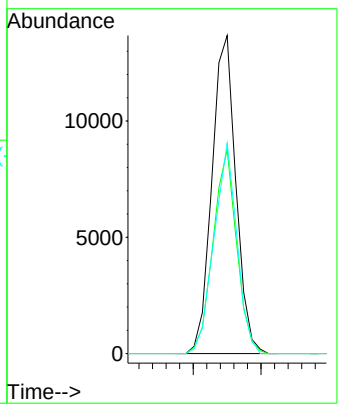


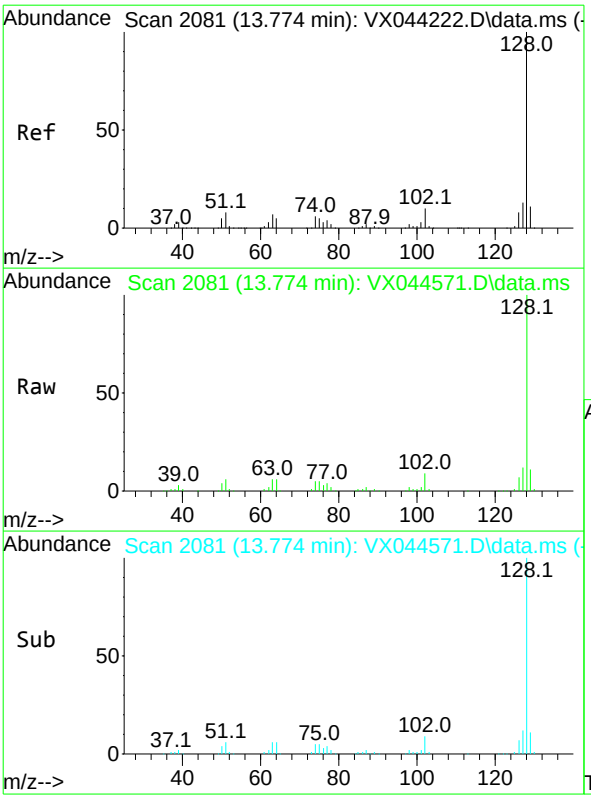


#94
Hexachlorobutadiene
Concen: 22.597 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:225 Resp: 16792

Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.8	92.4
227	63.4	32.1	96.3





#95
Naphthalene
Concen: 18.171 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

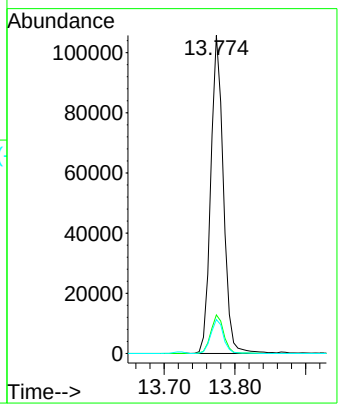
Tgt Ion:128 Resp: 131034

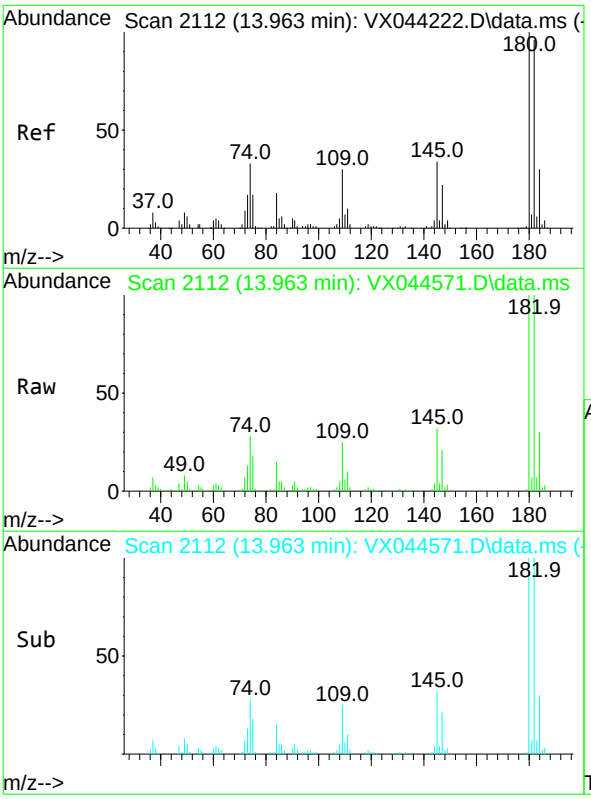
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.5	15.7
129	10.8	9.0	13.4

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS02

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/02/2025
Supervised By :Mahesh Dadoda 01/02/2025

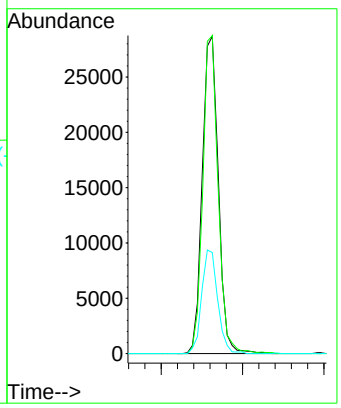




#96
1,2,3-Trichlorobenzene
Concen: 20.053 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044571.D
Acq: 31 Dec 2024 11:12

Tgt Ion:180 Resp: 39293

Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.0	144.0
145	32.5	17.7	53.1



Raw Data: **VX044564.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW10-MW01S-20241218MS	SDG No.:	P5376
Lab Sample ID:	P5376-08MS	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044564.D	1		12/30/24 23:08	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	46.4		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	46.4		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	45.2		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	42.2		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	41.3		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	42.3		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	47.8		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	51.2		0.26	0.75	1.00	ug/L
67-64-1	Acetone	220		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	43.3		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	46.7		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	45.7		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	49.7		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	49.3		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	49.2		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	45.4		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	240		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	51.6		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	48.0		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	42.6		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	46.7		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	47.4		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	49.9		0.19	0.50	1.00	ug/L
71-43-2	Benzene	52.7		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	50.2		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	53.6		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	50.4		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	53.9		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	260		0.75	2.50	5.00	ug/L
108-88-3	Toluene	52.3		0.18	0.50	1.00	ug/L

Raw Data: **VX044564.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW10-MW01S-20241218MS	SDG No.:	P5376
Lab Sample ID:	P5376-08MS	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044564.D	1		12/30/24 23:08	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	47.2		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	50.4		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	54.4		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	270		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	51.8		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	54.5		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	51.8		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	51.1		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	49.6		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	100		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	50.3		0.14	0.50	1.00	ug/L
100-42-5	Styrene	53.3		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	51.2		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	49.2		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	49.7		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	51.2		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	50.3		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	51.9		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	49.4		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	53.7		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	52.7		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	41.3		81 - 118		83%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	47.9		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	121000	5.55				
540-36-3	1,4-Difluorobenzene	205000	6.757				
3114-55-4	Chlorobenzene-d5	186000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	88800	12.024				

Raw Data: **VX044564.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW10-MW01S-20241218MS	SDG No.:	P5376
Lab Sample ID:	P5376-08MS	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044564.D	1		12/30/24 23:08	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Sample Results: **VX044564.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044564.D
Acq On : 30 Dec 2024 23:08
Operator : JC/MD
Sample : P5376-08MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 31 00:41:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	121315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	205358	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87740	41.250	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 82.500%			
35) Dibromofluoromethane	5.379	113	68362	48.065	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.120%			
50) Toluene-d8	8.647	98	230036	47.940	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.880%			
62) 4-Bromofluorobenzene	11.079	95	81923	48.860	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	87011	46.385	ug/l	95
3) Chloromethane	1.295	50	83245	46.407	ug/l	100
4) Vinyl Chloride	1.374	62	84537	45.236	ug/l	98
5) Bromomethane	1.593	94	55906	42.168	ug/l	99
6) Chloroethane	1.660	64	48069	41.308	ug/l	97
7) Trichlorofluoromethane	1.862	101	154727	42.292	ug/l	99
8) Diethyl Ether	2.136	74	58129	46.547	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.313	101	70774	47.806	ug/l	94
10) Methyl Iodide	2.441	142	103433	53.011	ug/l	96
11) Tert butyl alcohol	3.002	59	70711	235.879	ug/l	97
12) 1,1-Dichloroethene	2.307	96	69658	51.227	ug/l	92
13) Acrolein	2.240	56	110465	254.563	ug/l	99
14) Allyl chloride	2.654	41	105915	46.763	ug/l	99
15) Acrylonitrile	3.069	53	208653	251.269	ug/l	99
16) Acetone	2.392	43	190030	219.139	ug/l	95
17) Carbon Disulfide	2.496	76	112038	43.345	ug/l	99
18) Methyl Acetate	2.709	43	102149	45.686	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	247621	46.665	ug/l	99
20) Methylene Chloride	2.782	84	80988	49.724	ug/l	93
21) trans-1,2-Dichloroethene	3.081	96	71203	49.270	ug/l	90
22) Diisopropyl ether	3.764	45	244400	47.920	ug/l	97
23) Vinyl Acetate	3.721	43	916352	220.996	ug/l	98
24) 1,1-Dichloroethane	3.605	63	139942	49.224	ug/l	99
25) 2-Butanone	4.568	43	294063	238.533	ug/l	98
26) 2,2-Dichloropropane	4.471	77	87448	37.863	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	88051	47.974	ug/l	93
28) Bromochloromethane	4.898	49	59400	42.609	ug/l	92
29) Tetrahydrofuran	5.013	42	183280	231.621	ug/l	98
30) Chloroform	5.087	83	149152	46.695	ug/l	98
31) Cyclohexane	5.458	56	104306	45.435	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	125559	47.355	ug/l	98
36) 1,1-Dichloropropene	5.684	75	91374	49.700	ug/l	98
37) Ethyl Acetate	4.721	43	105248	46.311	ug/l	98
38) Carbon Tetrachloride	5.672	117	102117	51.592	ug/l	99
39) Methylcyclohexane	7.373	83	109762	49.940	ug/l	99
40) Benzene	6.032	78	293960	52.662	ug/l	97

Sample Results: **VX044564.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044564.D
Acq On : 30 Dec 2024 23:08
Operator : JC/MD
Sample : P5376-08MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Quant Time: Dec 31 00:41:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	61005	50.552 ug/l	98
42) 1,2-Dichloroethane	6.086	62	115387	50.181 ug/l	97
43) Isopropyl Acetate	6.342	43	166728	46.938 ug/l	98
44) Trichloroethene	7.123	130	74557	53.561 ug/l	93
45) 1,2-Dichloropropane	7.428	63	71842	50.376 ug/l	98
46) Dibromomethane	7.580	93	57396	51.877 ug/l	93
47) Bromodichloromethane	7.818	83	103042	53.927 ug/l	97
48) Methyl methacrylate	7.696	41	84667	49.103 ug/l	96
49) 1,4-Dioxane	7.665	88	25682	898.356 ug/l #	64
51) 4-Methyl-2-Pentanone	8.574	43	596181	261.036 ug/l	99
52) Toluene	8.714	92	183268	52.282 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	96448	47.215 ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	104847	50.395 ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	75800	54.432 ug/l	97
56) Ethyl methacrylate	9.116	69	116577	53.028 ug/l	96
57) 1,3-Dichloropropane	9.305	76	127903	52.767 ug/l	98
59) 2-Hexanone	9.433	43	442072	267.413 ug/l	99
60) Dibromochloromethane	9.519	129	76640	51.836 ug/l	98
61) 1,2-Dibromoethane	9.610	107	77226	54.481 ug/l	98
64) Tetrachloroethene	9.269	164	63884	51.785 ug/l	95
65) Chlorobenzene	10.080	112	203519	51.100 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	69510	54.304 ug/l	99
67) Ethyl Benzene	10.189	91	341637	49.645 ug/l	98
68) m/p-Xylenes	10.299	106	259657	102.829 ug/l	96
69) o-Xylene	10.640	106	128508	50.298 ug/l	97
70) Styrene	10.653	104	218414	53.327 ug/l	95
71) Bromoform	10.799	173	45958	51.220 ug/l #	99
73) Isopropylbenzene	10.957	105	334217	49.155 ug/l	100
74) N-amyl acetate	10.842	43	134232	42.717 ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	117410	49.716 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	95586m	48.201 ug/l	
77) Bromobenzene	11.195	156	83885	50.877 ug/l	95
78) n-propylbenzene	11.305	91	375925	50.023 ug/l	98
79) 2-Chlorotoluene	11.360	91	229405	47.201 ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	275291	48.823 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	26801	39.985 ug/l	97
82) 4-Chlorotoluene	11.451	91	259940	48.298 ug/l	97
83) tert-Butylbenzene	11.713	119	277951	49.880 ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	275304	49.716 ug/l	97
85) sec-Butylbenzene	11.890	105	336189	49.696 ug/l	98
86) p-Isopropyltoluene	12.006	119	280818	49.875 ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	147531	51.225 ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	149057	50.346 ug/l	97
89) n-Butylbenzene	12.329	91	230239	48.630 ug/l	99
90) Hexachloroethane	12.536	117	42277	51.438 ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	155295	51.930 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22647	49.400 ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	88022	53.689 ug/l	98
94) Hexachlorobutadiene	13.725	225	35654	54.065 ug/l	99
95) Naphthalene	13.774	128	315564	49.310 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	91638	52.698 ug/l	98

Sample Results: **VX044564.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044564.D
Acq On : 30 Dec 2024 23:08
Operator : JC/MD
Sample : P5376-08MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Quant Time: Dec 31 00:41:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Sample Results: **VX044564.D**

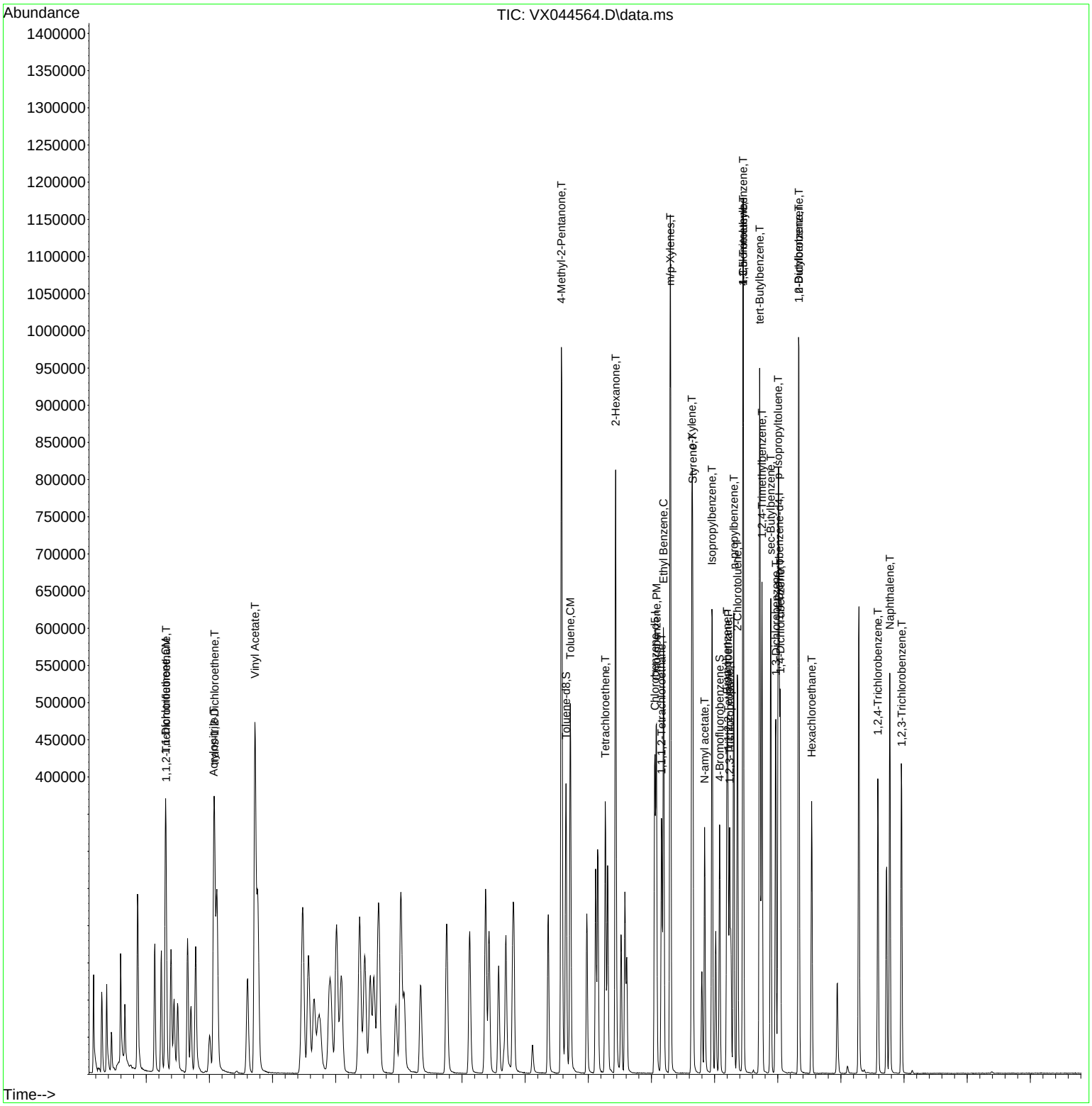
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044564.D
Acq On : 30 Dec 2024 23:08
Operator : JC/MD
Sample : P5376-08MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

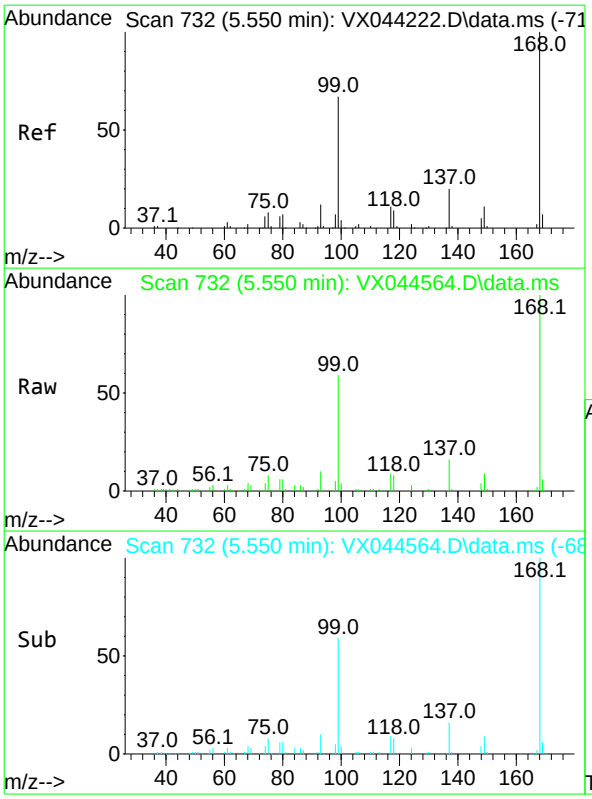
Quant Time: Dec 31 00:41:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

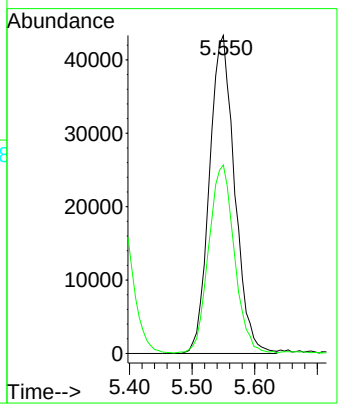
Tgt Ion:168 Resp: 121315

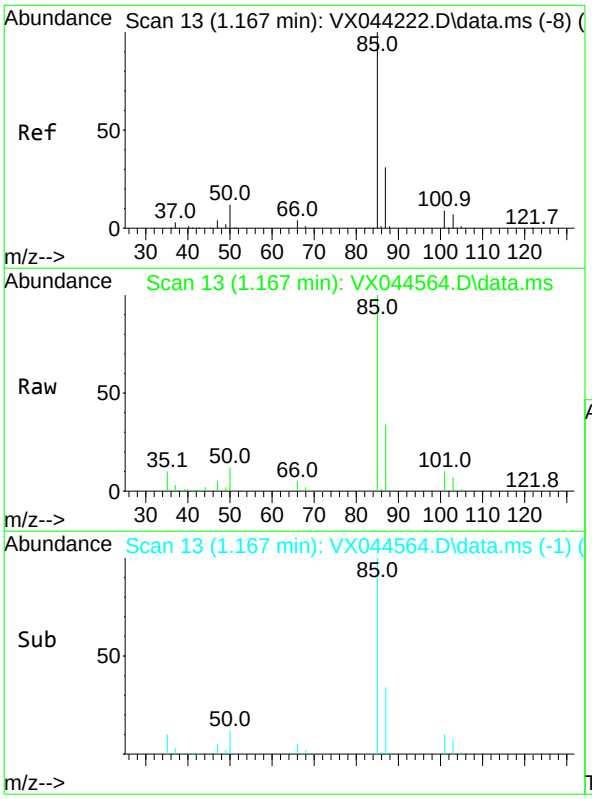
Ion	Ratio	Lower	Upper
168	100		
99	59.1	53.4	80.0

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

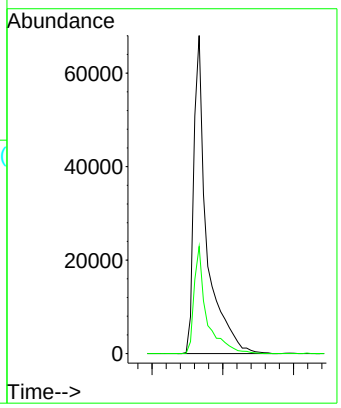


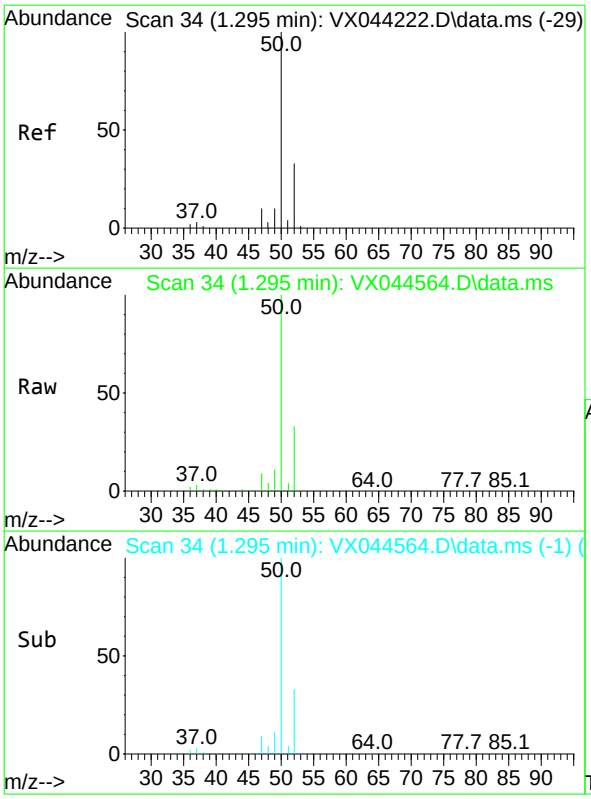


#2
Dichlorodifluoromethane
Concen: 46.385 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 85 Resp: 87011

Ion	Ratio	Lower	Upper
85	100		
87	33.7	15.4	46.4





#3
Chloromethane
Concen: 46.407 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

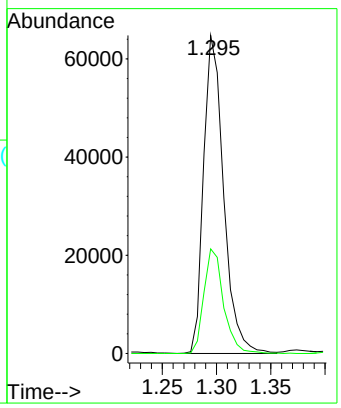
Tgt Ion: 50 Resp: 83245

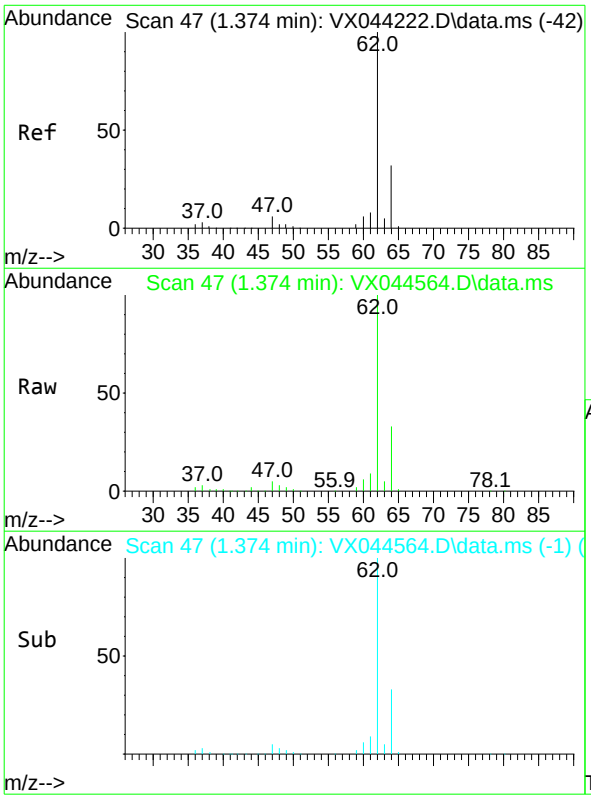
Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

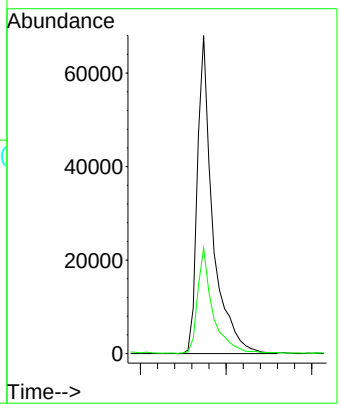


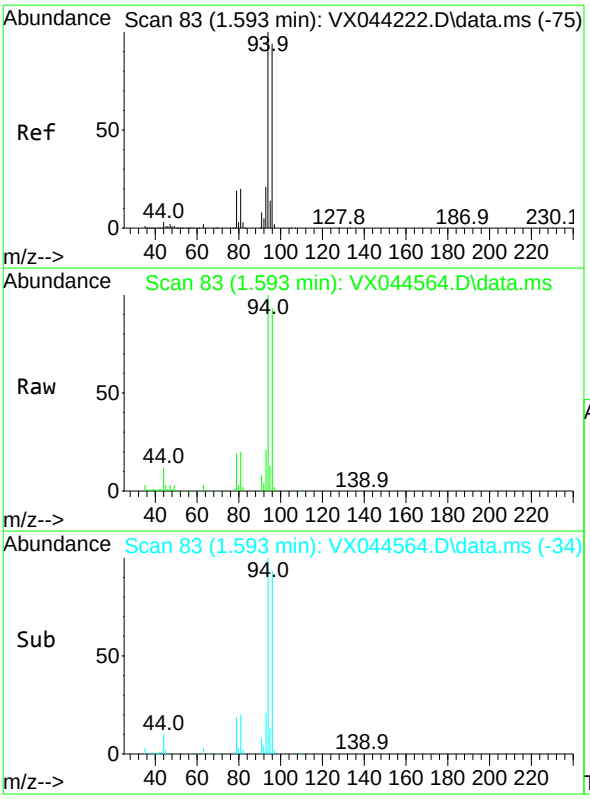


#4
Vinyl Chloride
Concen: 45.236 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 62 Resp: 84537

Ion	Ratio	Lower	Upper
62	100		
64	33.1	25.7	38.5





#5
Bromomethane
Concen: 42.168 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

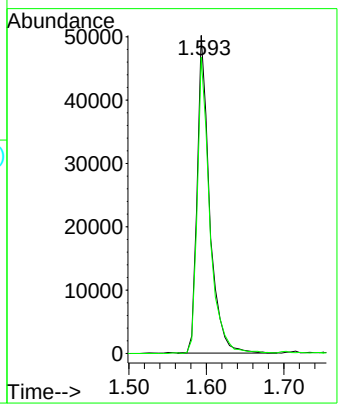
Tgt Ion: 94 Resp: 55906

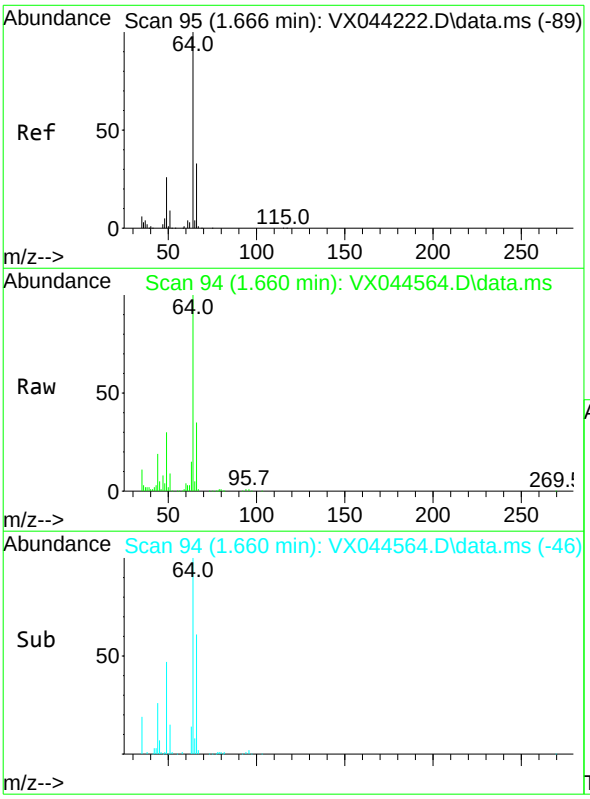
Ion	Ratio	Lower	Upper
94	100		
96	93.0	74.9	112.3

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

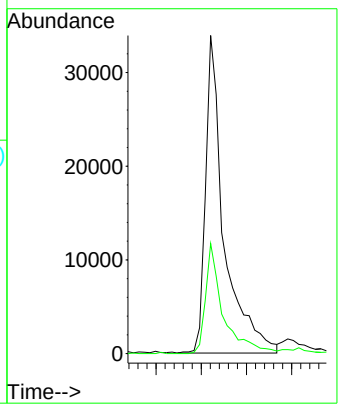


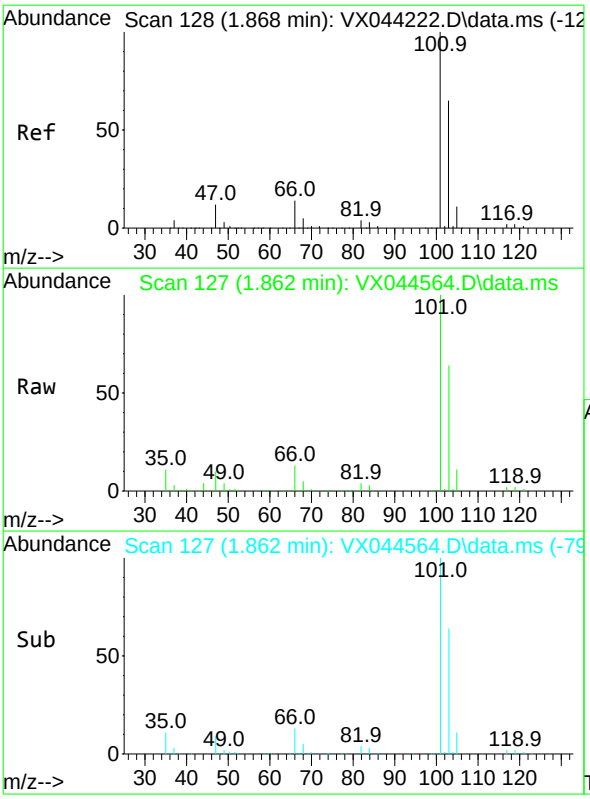


#6
Chloroethane
Concen: 41.308 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 64 Resp: 48069

Ion	Ratio	Lower	Upper
64	100		
66	34.6	26.6	39.8





#7
Trichlorofluoromethane
Concen: 42.292 ug/l
RT: 1.862 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

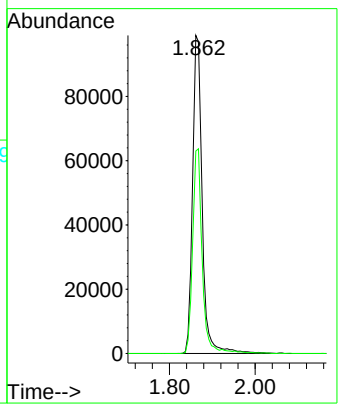
Tgt Ion:101 Resp: 154727

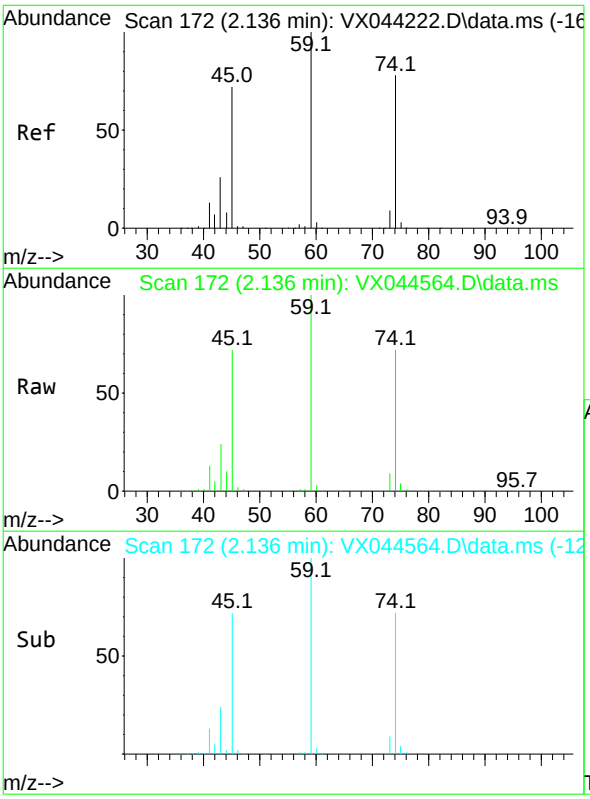
Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.8	77.8

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

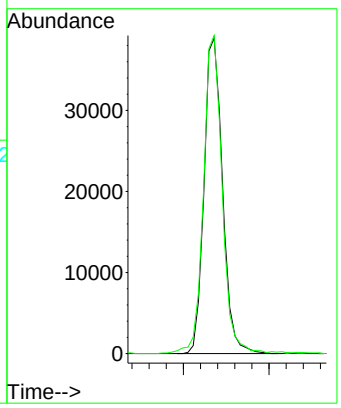


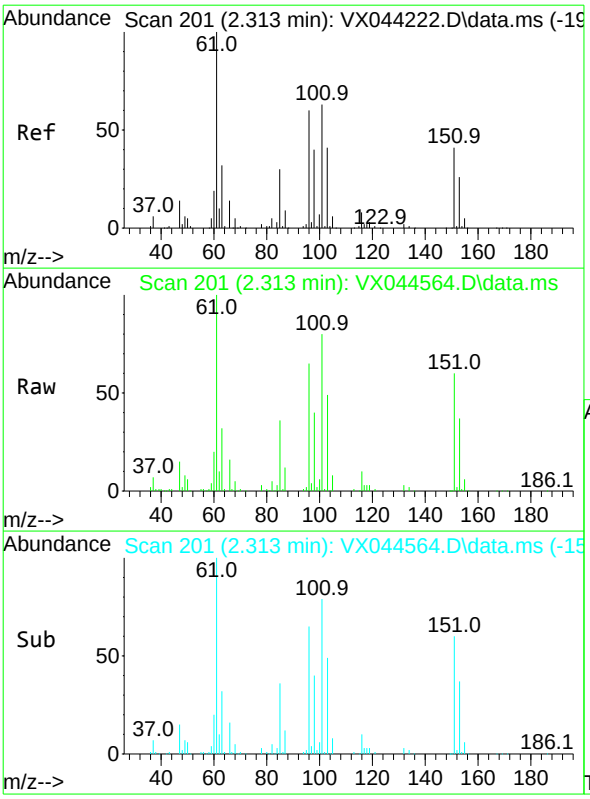


#8
Diethyl Ether
Concen: 46.547 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 74 Resp: 58129

Ion	Ratio	Lower	Upper
74	100		
45	102.4	48.4	145.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.806 ug/l
RT: 2.313 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

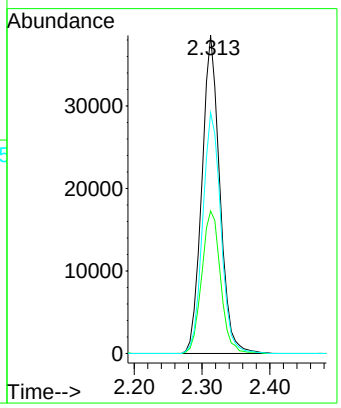
Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

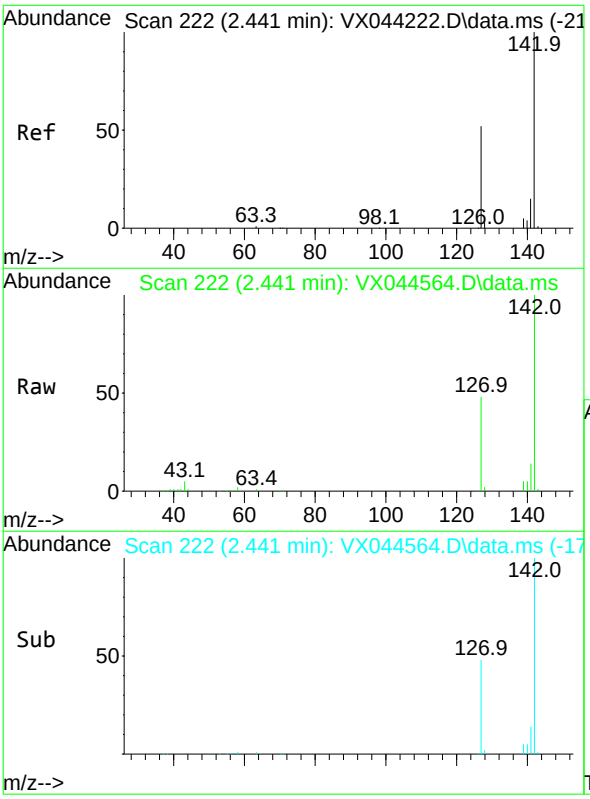
Tgt Ion:101 Resp: 70774

Ion	Ratio	Lower	Upper
101	100		
85	46.9	38.5	57.7
151	77.1	55.8	83.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

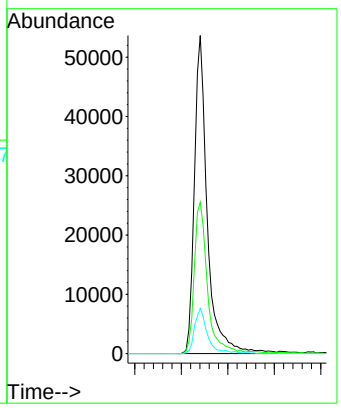


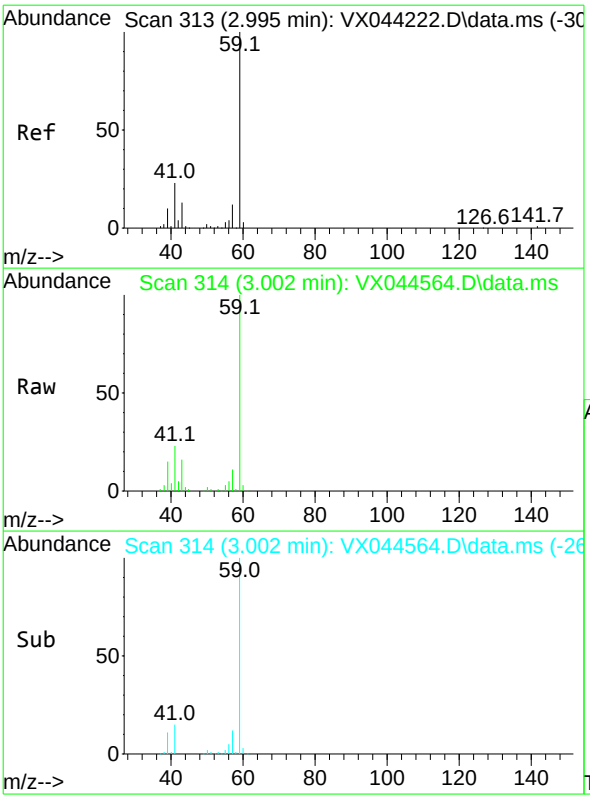


#10
Methyl Iodide
Concen: 53.011 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:142 Resp: 103433

Ion	Ratio	Lower	Upper
142	100		
127	49.2	41.8	62.8
141	14.3	11.5	17.3





#11
Tert butyl alcohol
Concen: 235.879 ug/l
RT: 3.002 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

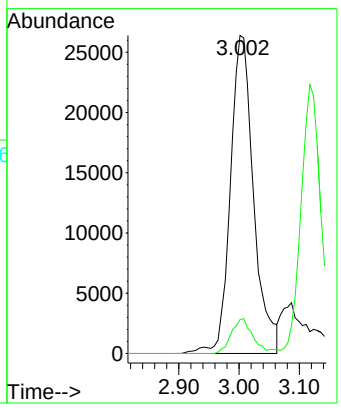
Tgt Ion: 59 Resp: 70711

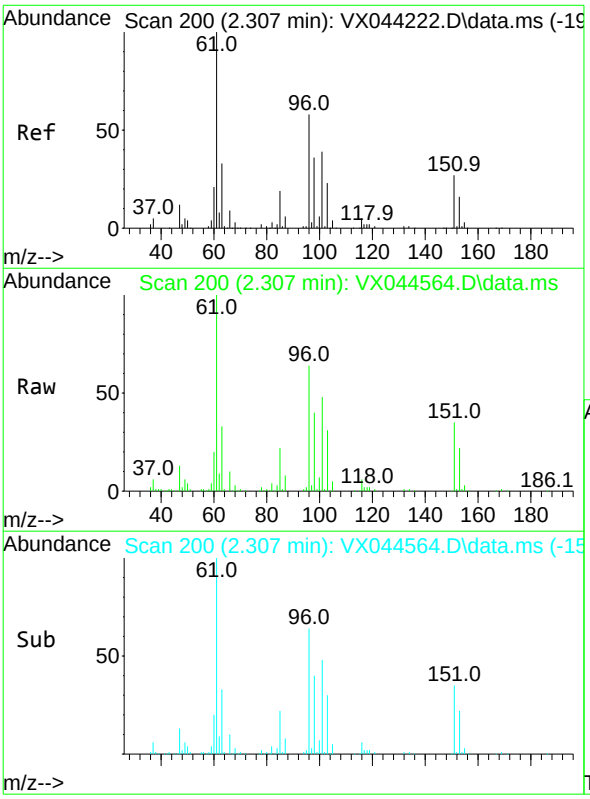
Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.8	13.2

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

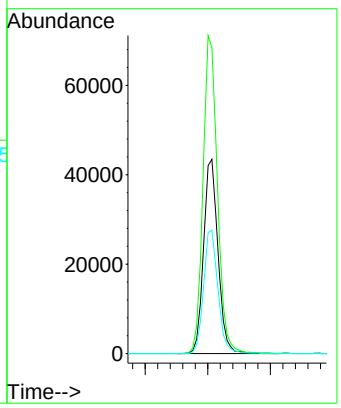


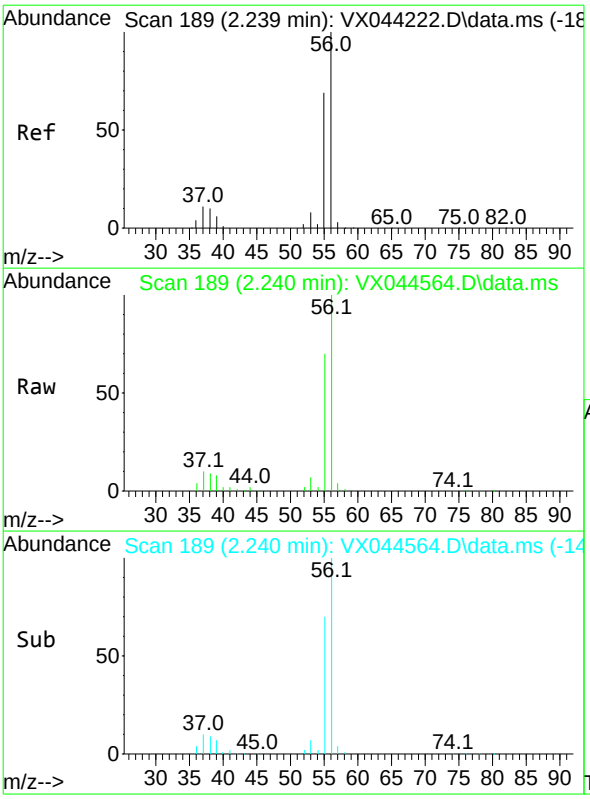


#12
1,1-Dichloroethene
Concen: 51.227 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 96 Resp: 69658

Ion	Ratio	Lower	Upper
96	100		
61	157.5	138.0	207.0
98	63.5	50.0	75.0





#13
Acrolein
Concen: 254.563 ug/l
RT: 2.240 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 56 Resp: 110465

Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.6	84.8

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
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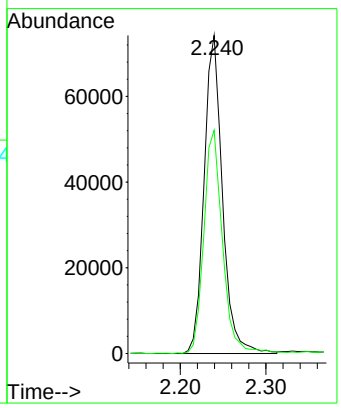
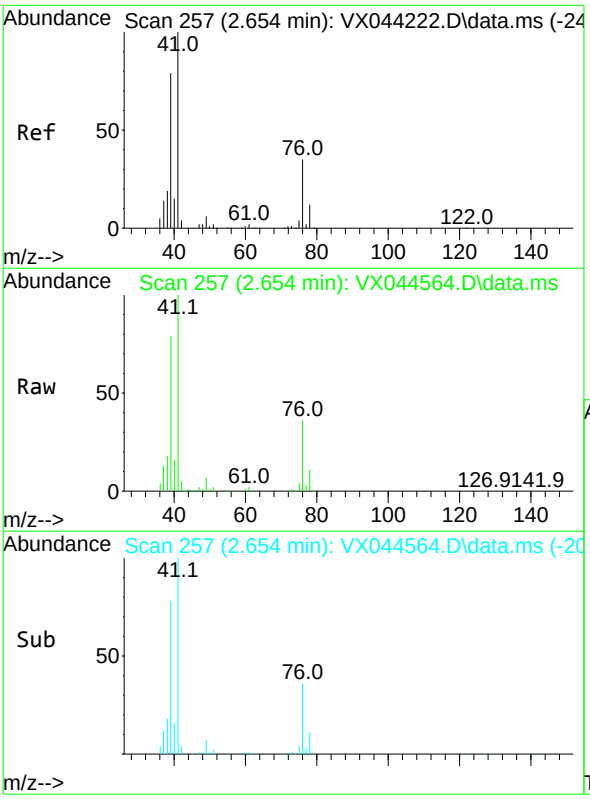
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

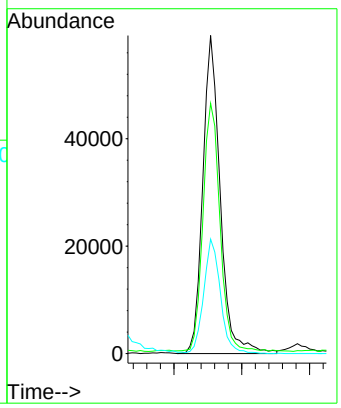


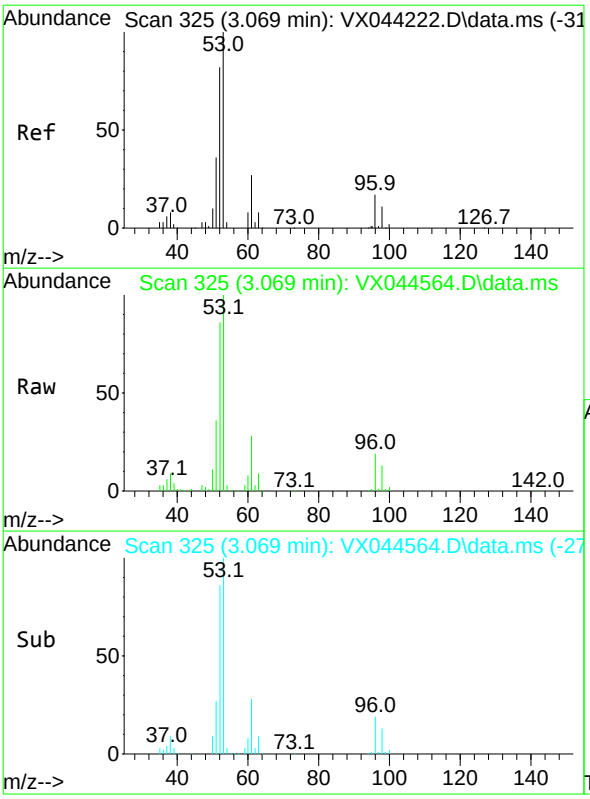


#14
Allyl chloride
Concen: 46.763 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 41 Resp: 105915

Ion	Ratio	Lower	Upper
41	100		
39	76.0	61.9	92.9
76	34.5	27.4	41.2





#15
Acrylonitrile
Concen: 251.269 ug/l
RT: 3.069 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 53 Resp: 208653

Ion	Ratio	Lower	Upper
53	100		
52	83.5	67.4	101.0
51	37.0	30.3	45.5

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
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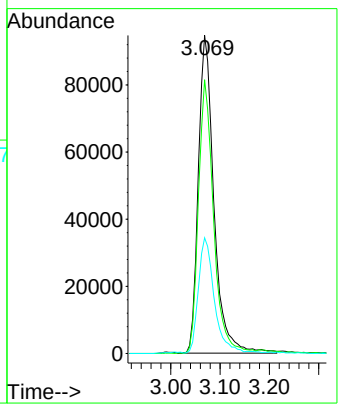
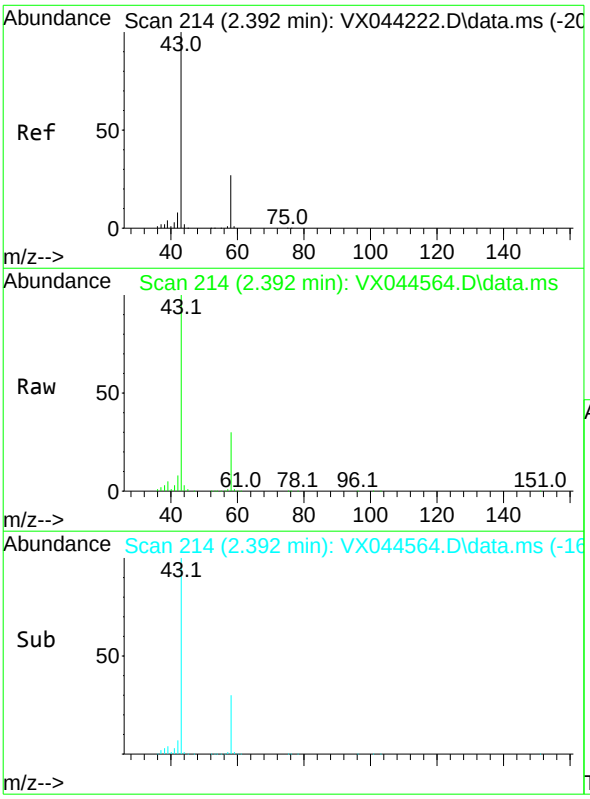
Supervised By :Mahesh Dadoda 12/31/2024

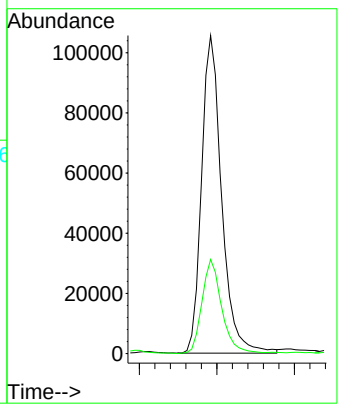


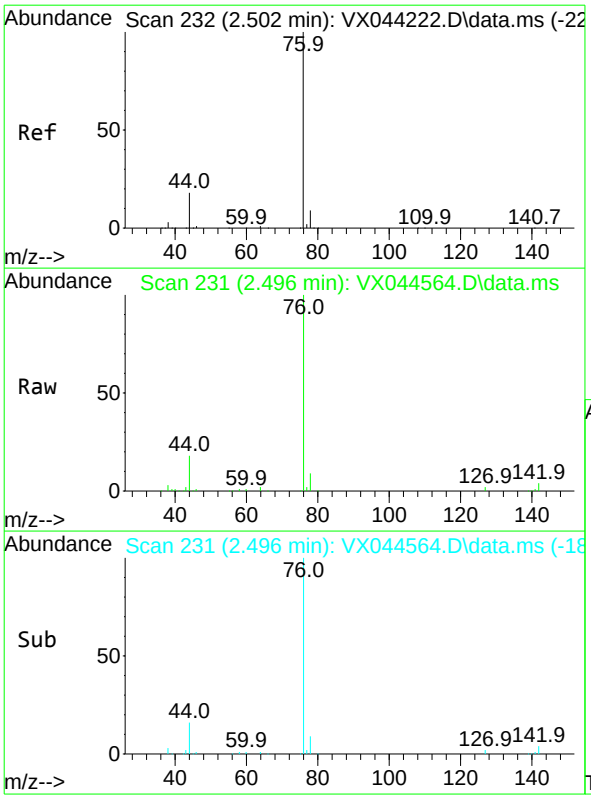


#16
Acetone
Concen: 219.139 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 43 Resp: 190030

Ion	Ratio	Lower	Upper
43	100		
58	29.6	21.6	32.4





#17
Carbon Disulfide
Concen: 43.345 ug/l
RT: 2.496 min Scan# 23
Delta R.T. -0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 76 Resp: 112038

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

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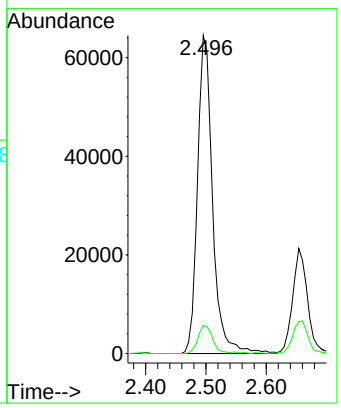
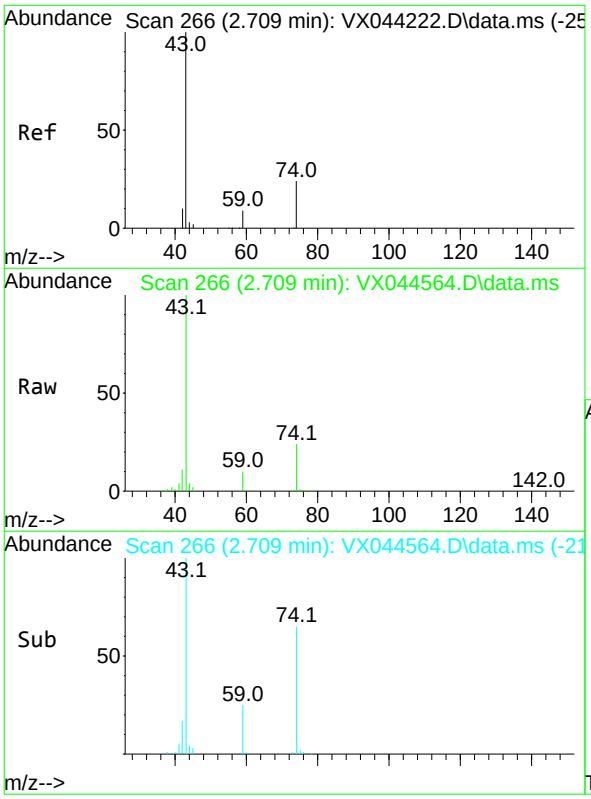
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

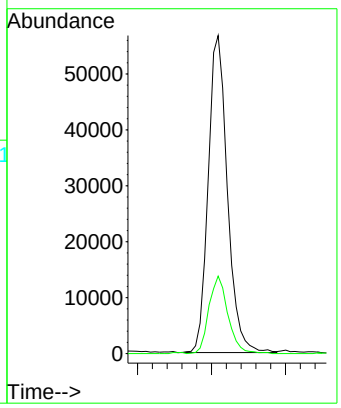


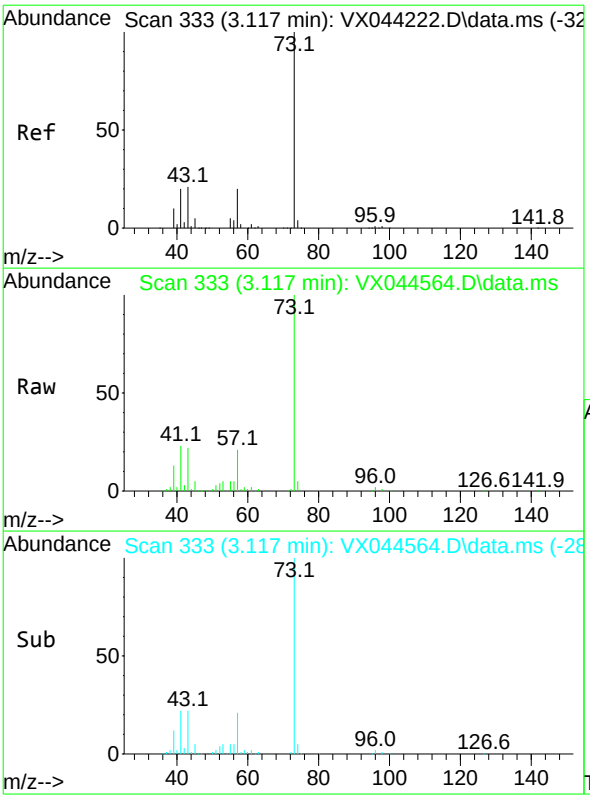


#18
Methyl Acetate
Concen: 45.686 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 43 Resp: 102149

Ion	Ratio	Lower	Upper
43	100		
74	24.3	17.7	26.5





#19
Methyl tert-butyl Ether
Concen: 46.665 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 73 Resp: 247621

Ion	Ratio	Lower	Upper
73	100		
57	20.9	16.2	24.4

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

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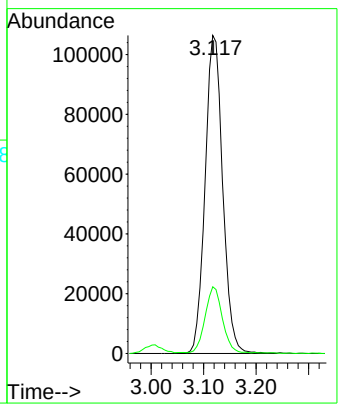
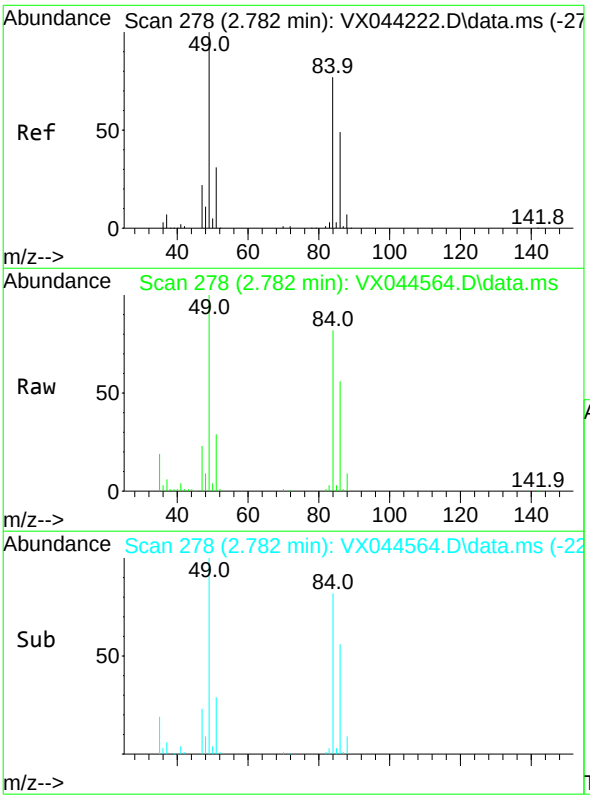
Supervised By :Mahesh Dadoda 12/31/2024

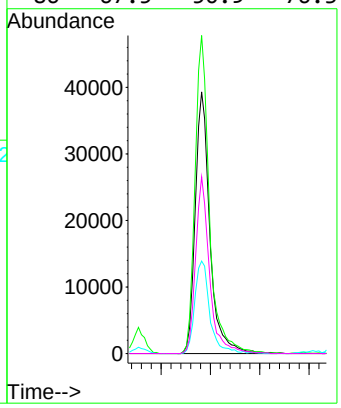


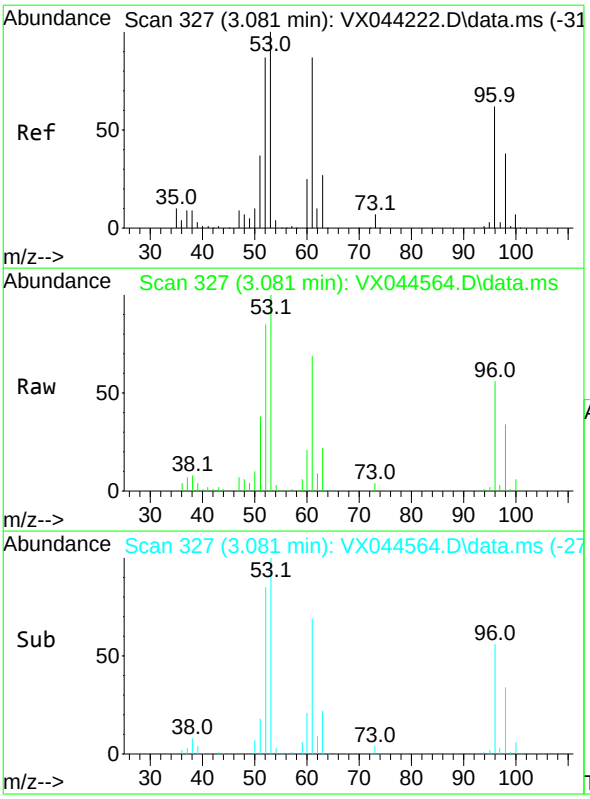


#20
Methylene Chloride
Concen: 49.724 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 84 Resp: 80988

Ion	Ratio	Lower	Upper
84	100		
49	121.5	104.2	156.4
51	35.4	32.2	48.4
86	67.5	50.9	76.3





#21
trans-1,2-Dichloroethene
Concen: 49.270 ug/l
RT: 3.081 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 96 Resp: 71203

Ion	Ratio	Lower	Upper
96	100		
61	123.9	112.0	168.0
98	61.8	48.8	73.2

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
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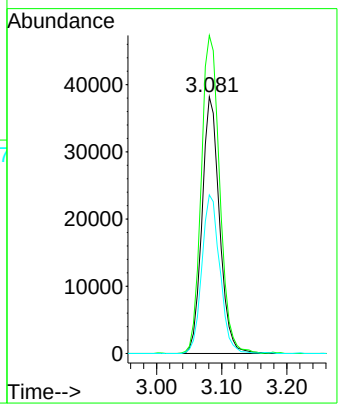
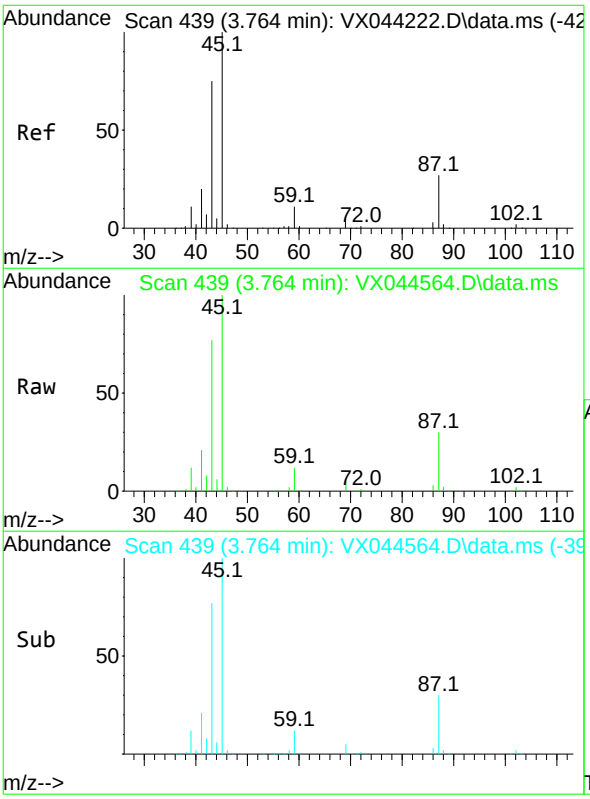
Supervised By :Mahesh Dadoda 12/31/2024

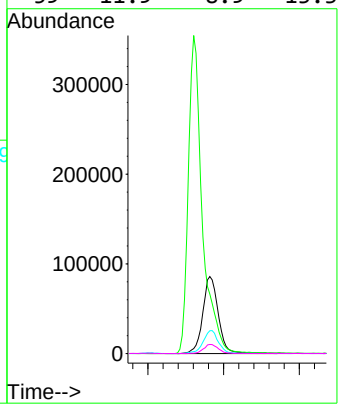


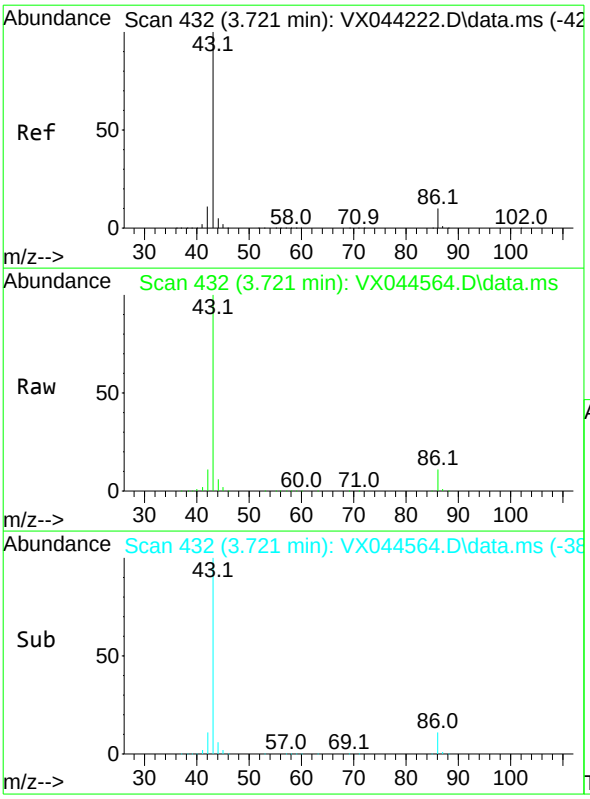


#22
Diisopropyl ether
Concen: 47.920 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 45 Resp: 244400

Ion	Ratio	Lower	Upper
45	100		
43	76.5	60.2	90.2
87	29.7	21.2	31.8
59	11.9	8.9	13.3





#23
Vinyl Acetate
Concen: 220.996 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 43 Resp: 916352

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.2	12.2

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
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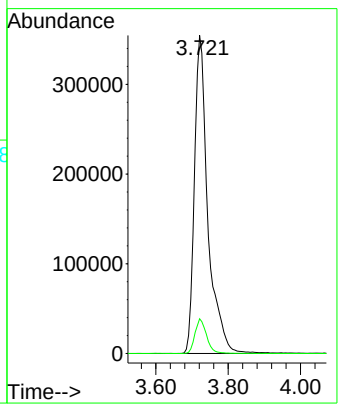
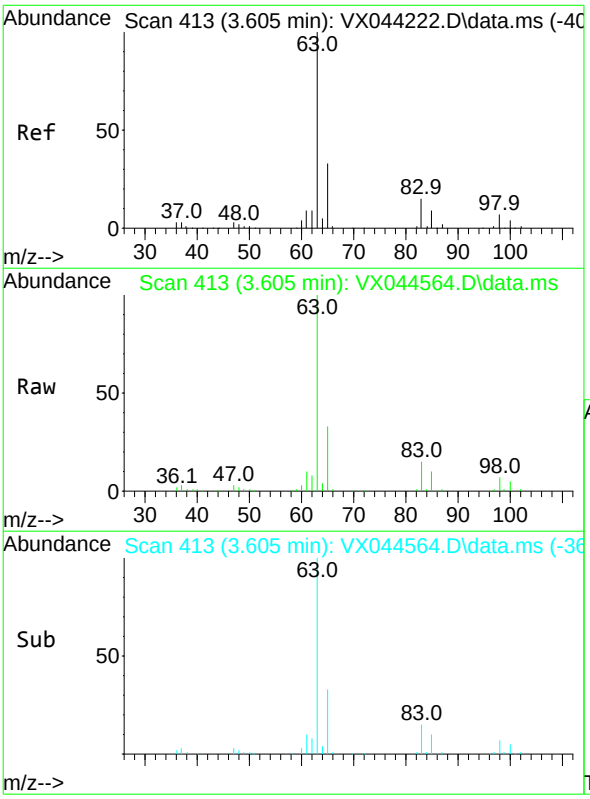
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

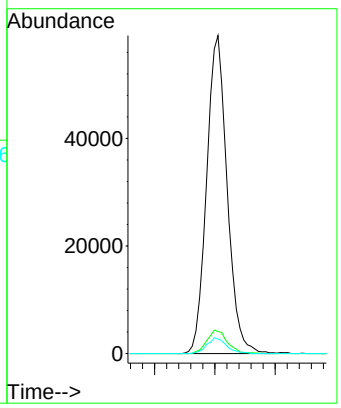


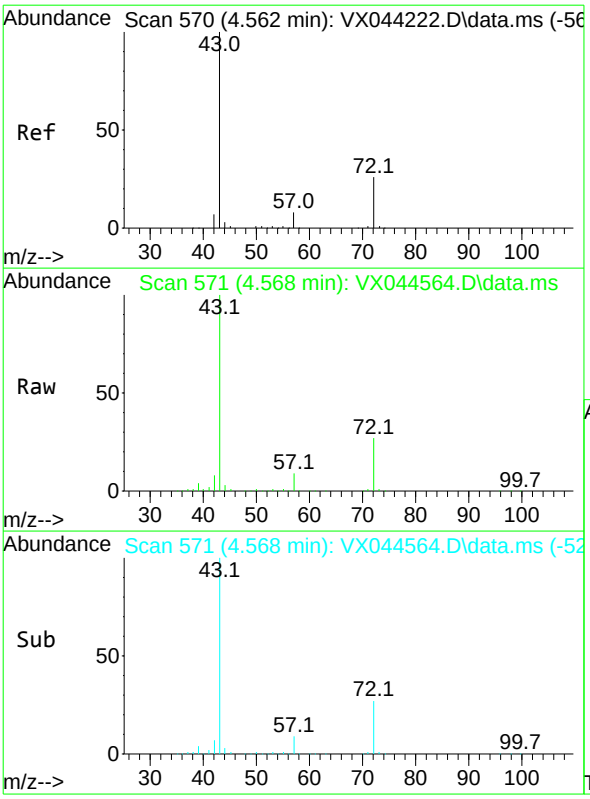


#24
1,1-Dichloroethane
Concen: 49.224 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 63 Resp: 139942

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.6	10.8
100	4.6	2.1	6.3





#25
2-Butanone
Concen: 238.533 ug/l
RT: 4.568 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 43 Resp: 294063

Ion	Ratio	Lower	Upper
43	100		
72	26.5	20.2	30.4

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
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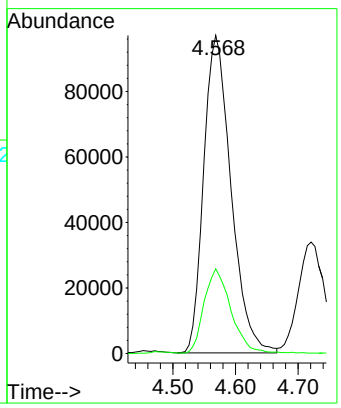
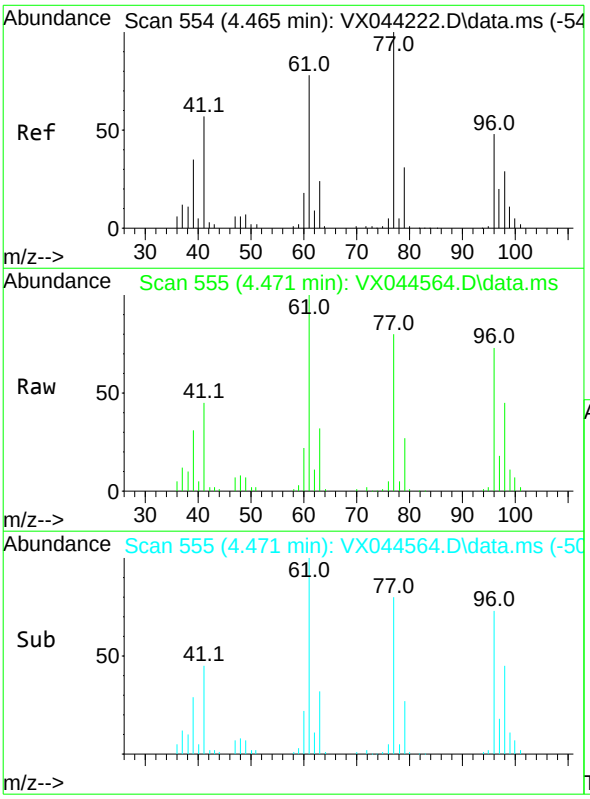
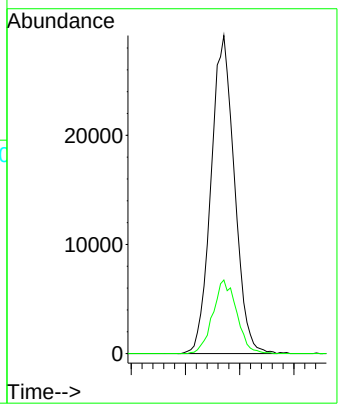


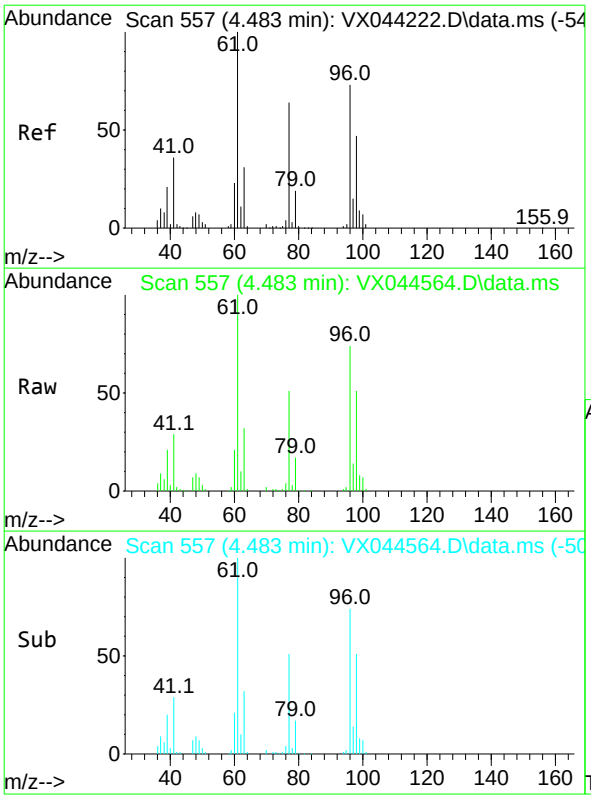


#26
2,2-Dichloropropane
Concen: 37.863 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 77 Resp: 87448

Ion	Ratio	Lower	Upper
77	100		
97	23.5	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 47.974 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 96 Resp: 88051

Ion	Ratio	Lower	Upper
96	100		
61	137.5	0.0	299.0
98	64.9	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
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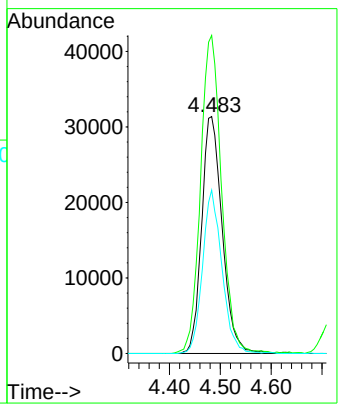
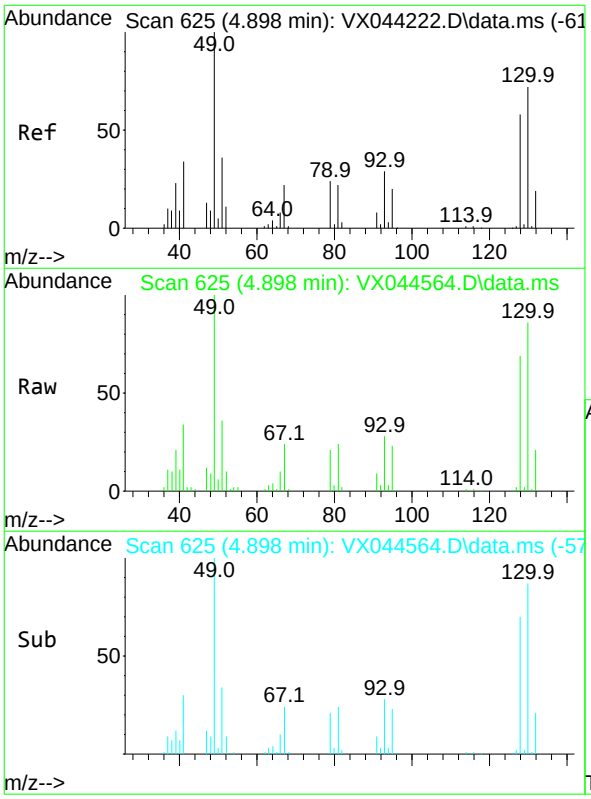
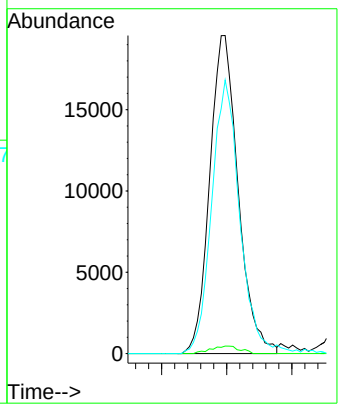


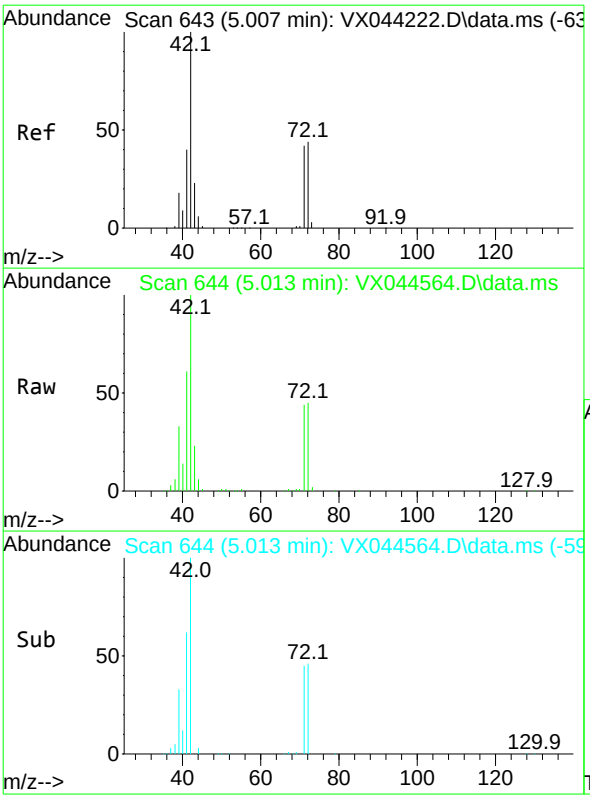


#28
Bromochloromethane
Concen: 42.609 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 49 Resp: 59400

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	84.7	62.1	93.1





#29
Tetrahydrofuran
Concen: 231.621 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 42 Resp: 183280

Ion	Ratio	Lower	Upper
42	100		
72	47.3	37.0	55.6
71	43.9	33.6	50.4

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
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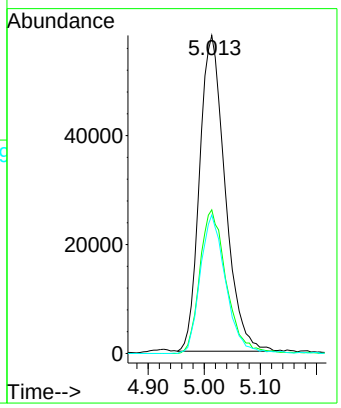
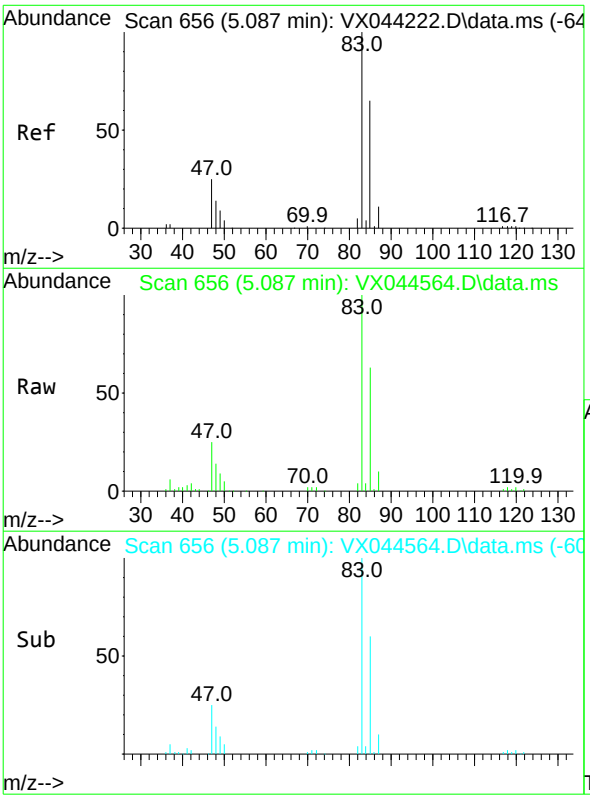
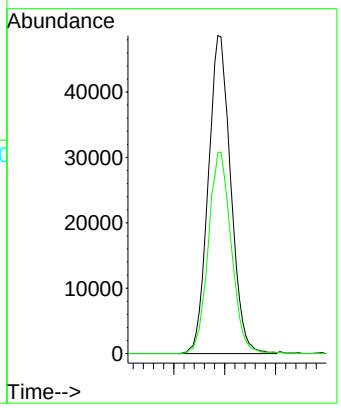


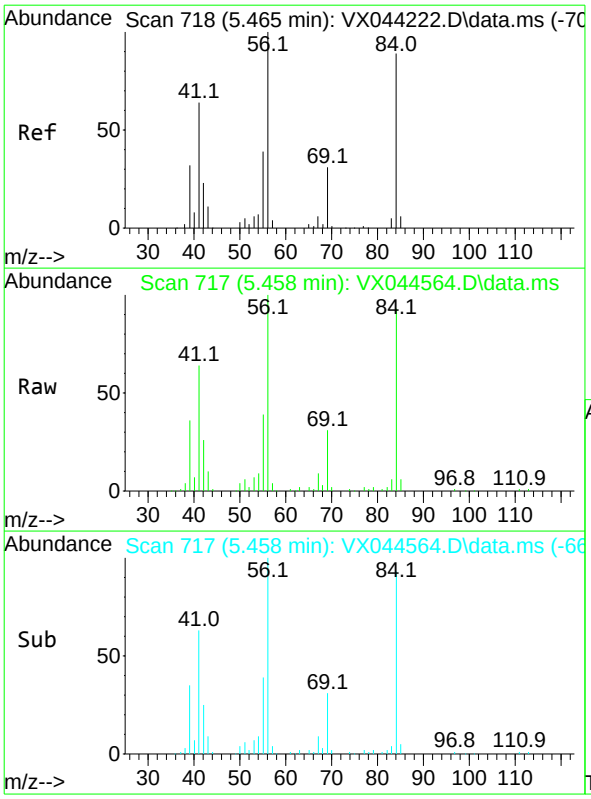


#30
Chloroform
Concen: 46.695 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 83 Resp: 149152

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.6	77.4





#31
Cyclohexane
Concen: 45.435 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 56 Resp: 104306

Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.7	37.1
84	90.9	71.0	106.6

Manual Integrations
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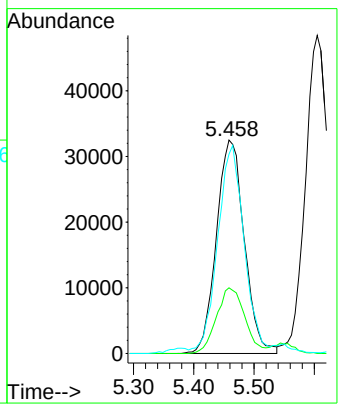
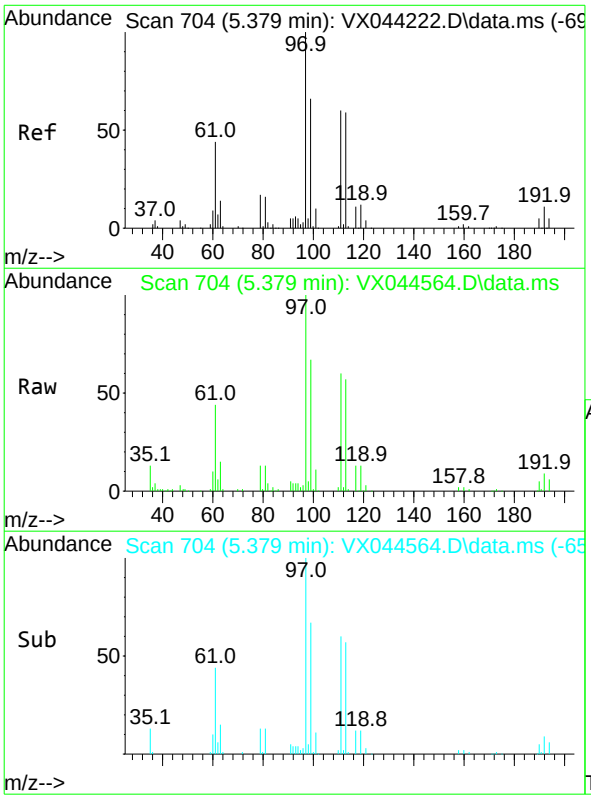
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

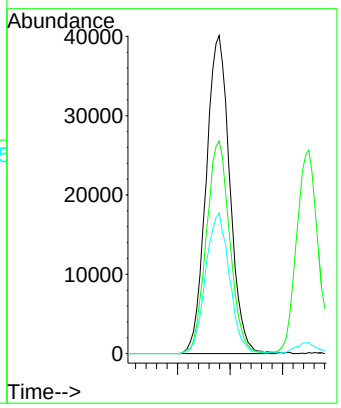


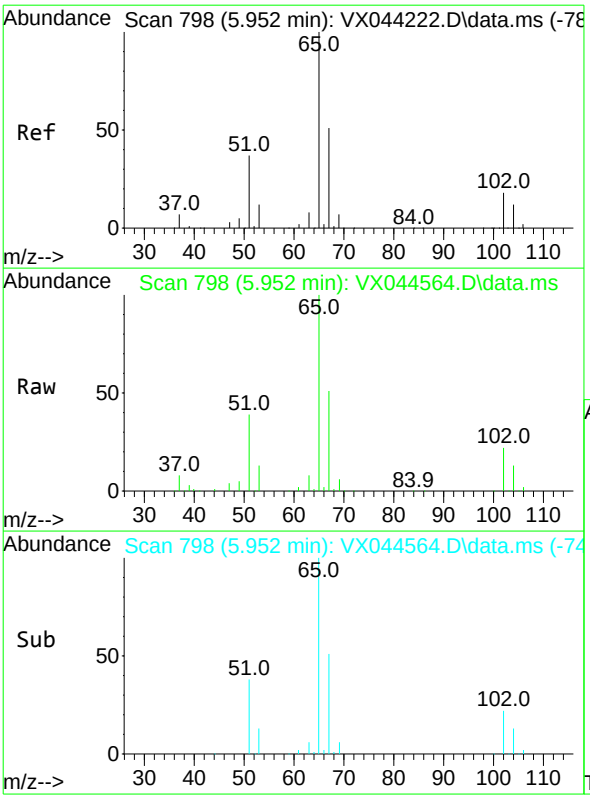


#32
1,1,1-Trichloroethane
Concen: 47.355 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 97 Resp: 125559

Ion	Ratio	Lower	Upper
97	100		
99	66.2	50.8	76.2
61	44.7	35.2	52.8





#33
1,2-Dichloroethane-d4
Concen: 41.250 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 65 Resp: 87740

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	101.6

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

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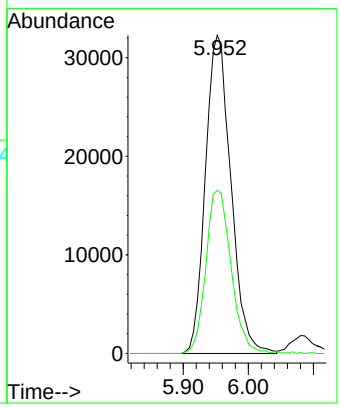
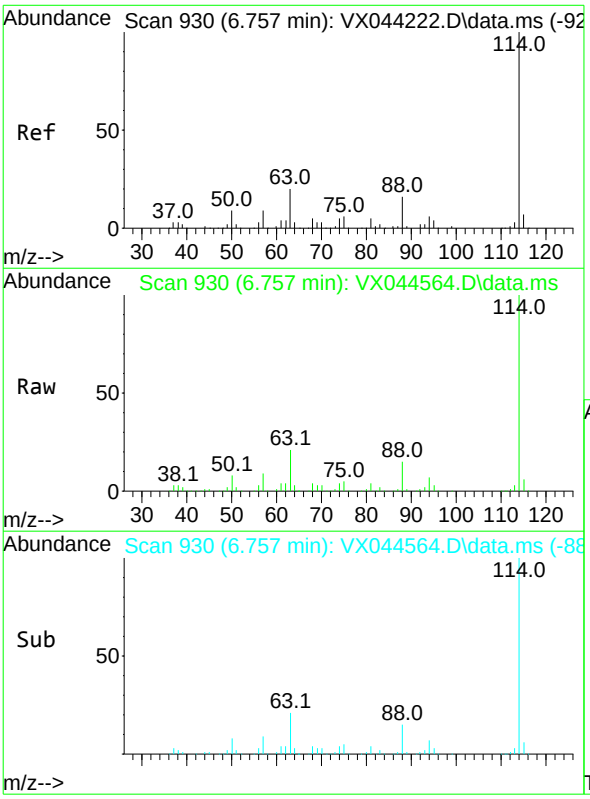
Supervised By :Mahesh Dadoda 12/31/2024

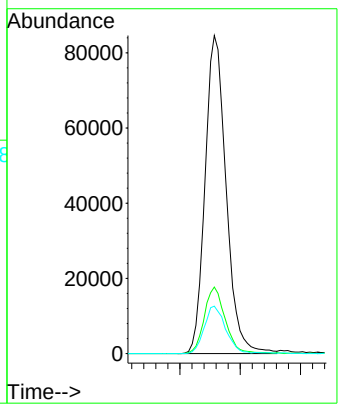


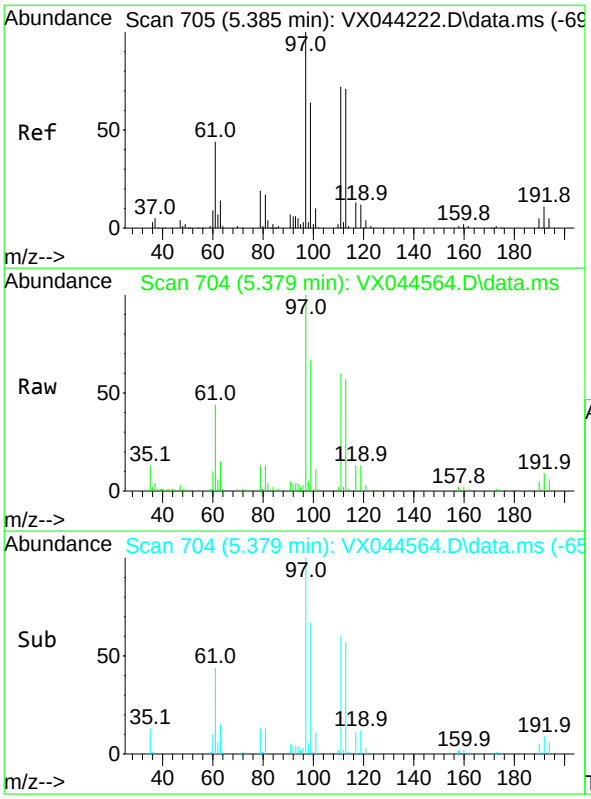


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:114 Resp: 205358

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.6
88	14.9	0.0	31.8





#35
Dibromofluoromethane
Concen: 48.065 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:113 Resp: 68362

Ion	Ratio	Lower	Upper
113	100		
111	104.2	80.4	120.6
192	19.6	13.3	19.9

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

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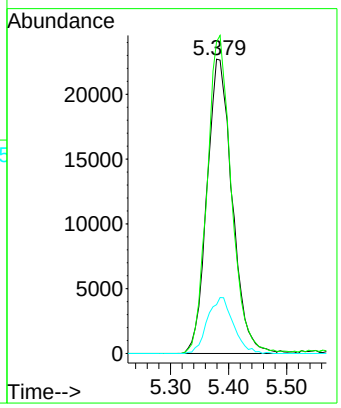
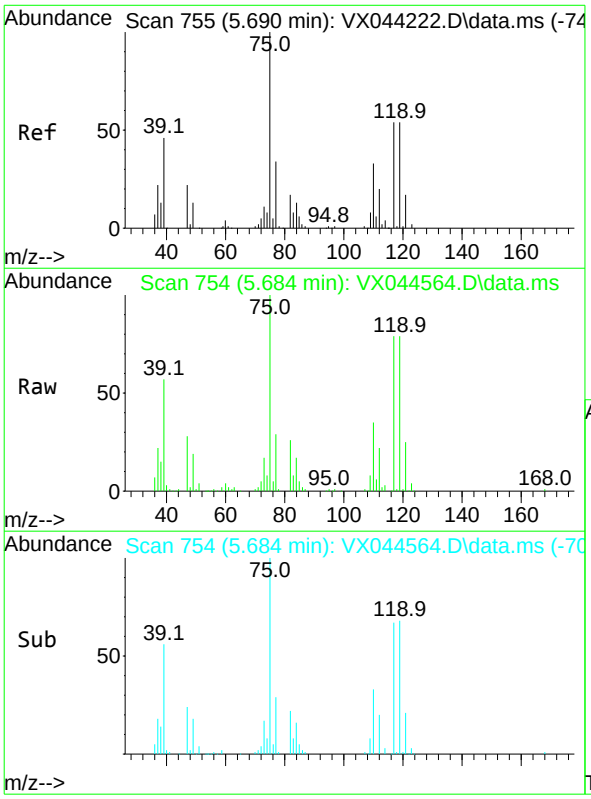
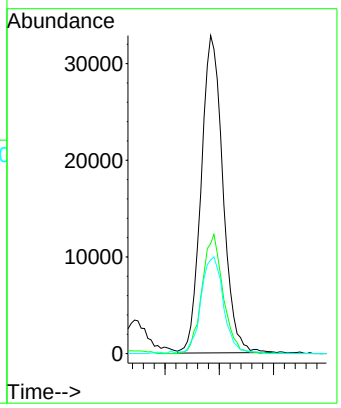


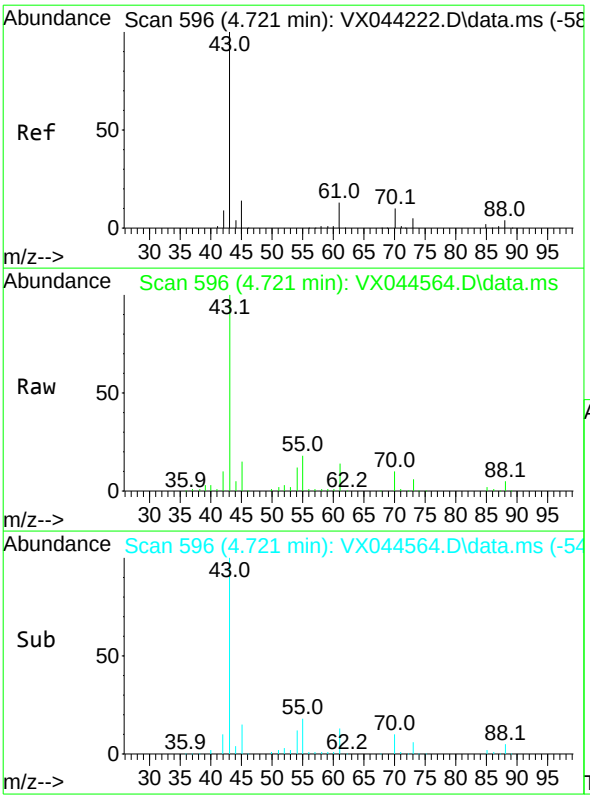


#36
1,1-Dichloropropene
Concen: 49.700 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 75 Resp: 91374

Ion	Ratio	Lower	Upper
75	100		
110	36.3	17.3	51.7
77	31.6	25.4	38.0





#37
Ethyl Acetate
Concen: 46.311 ug/l
RT: 4.721 min Scan# 59
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 43 Resp: 105248

Ion	Ratio	Lower	Upper
43	100		
61	13.4	9.8	14.8
70	10.0	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

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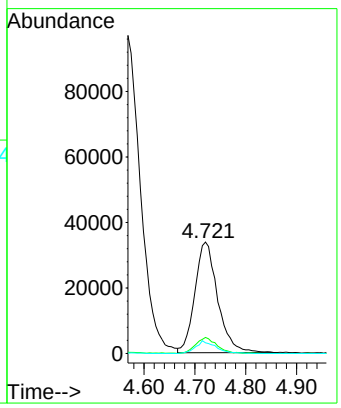
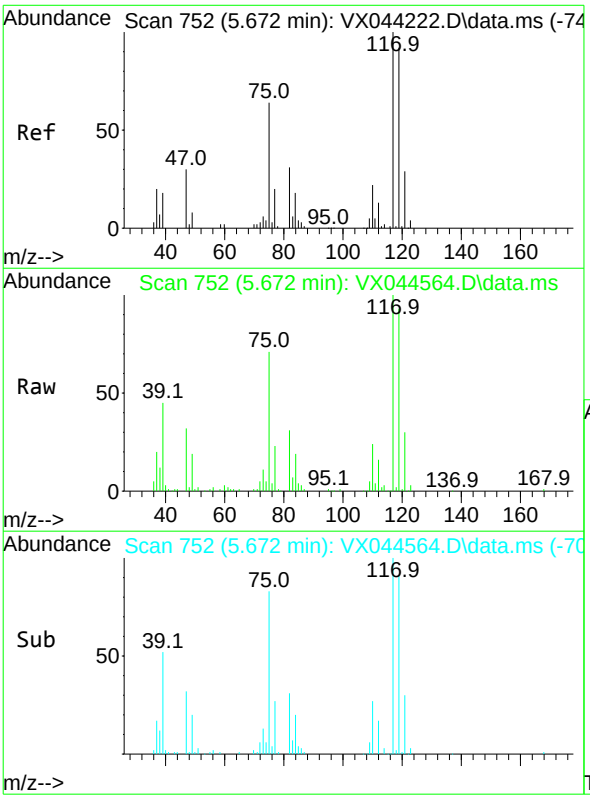
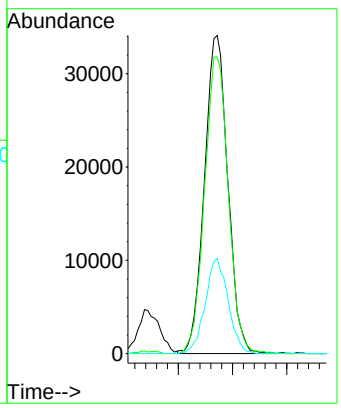


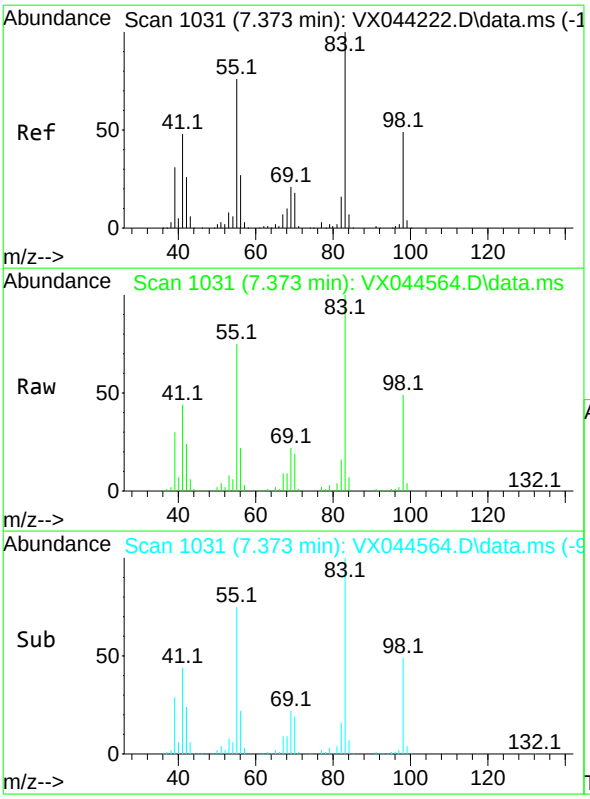


#38
Carbon Tetrachloride
Concen: 51.592 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:117 Resp: 102117

Ion	Ratio	Lower	Upper
117	100		
119	93.3	74.2	111.4
121	29.9	23.0	34.6





#39
Methylcyclohexane
Concen: 49.940 ug/l
RT: 7.373 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 83 Resp: 109762

Ion	Ratio	Lower	Upper
83	100		
55	75.4	60.7	91.1
98	49.3	38.9	58.3

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

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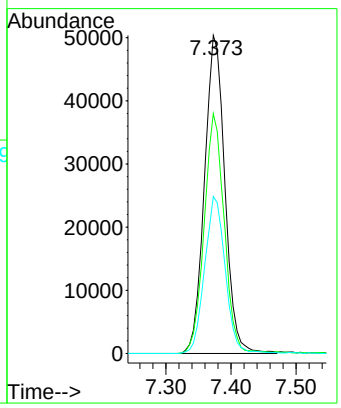
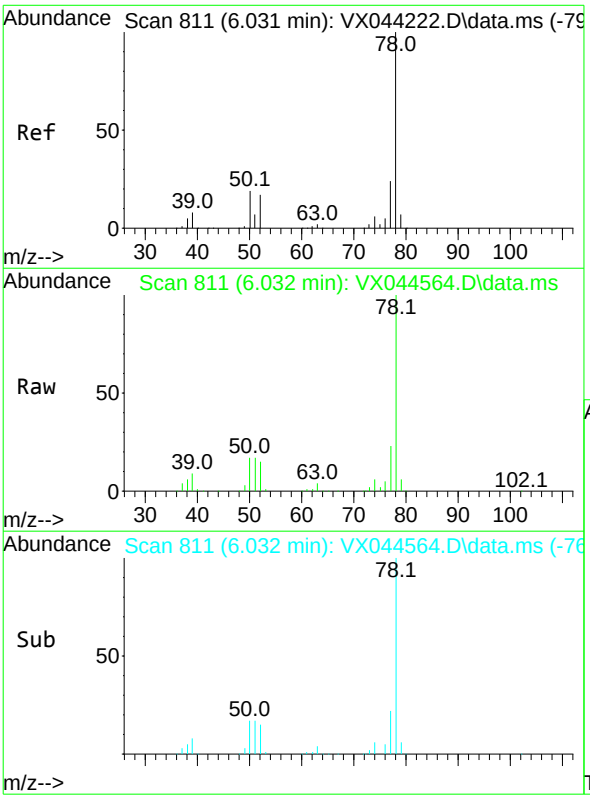
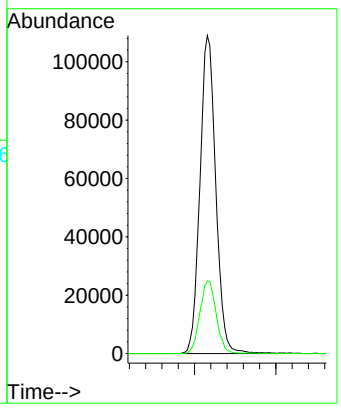


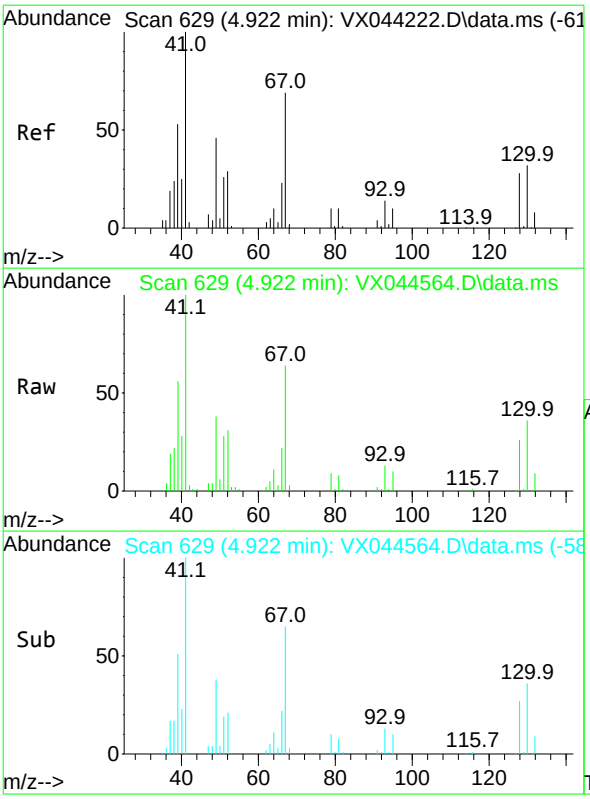


#40
Benzene
Concen: 52.662 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 78 Resp: 293960

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.3	28.9





#41
Methacrylonitrile
Concen: 50.552 ug/l
RT: 4.922 min Scan# 62
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 41 Resp: 61005

Ion	Ratio	Lower	Upper
41	100		
39	56.3	44.2	66.4
67	72.5	57.2	85.8
52	32.5	24.6	37.0

Manual Integrations
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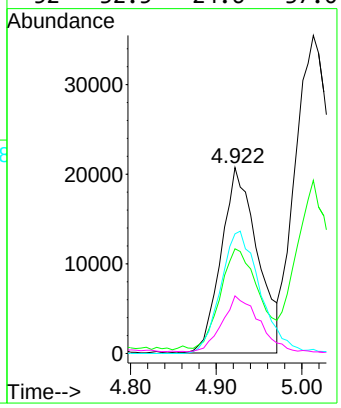
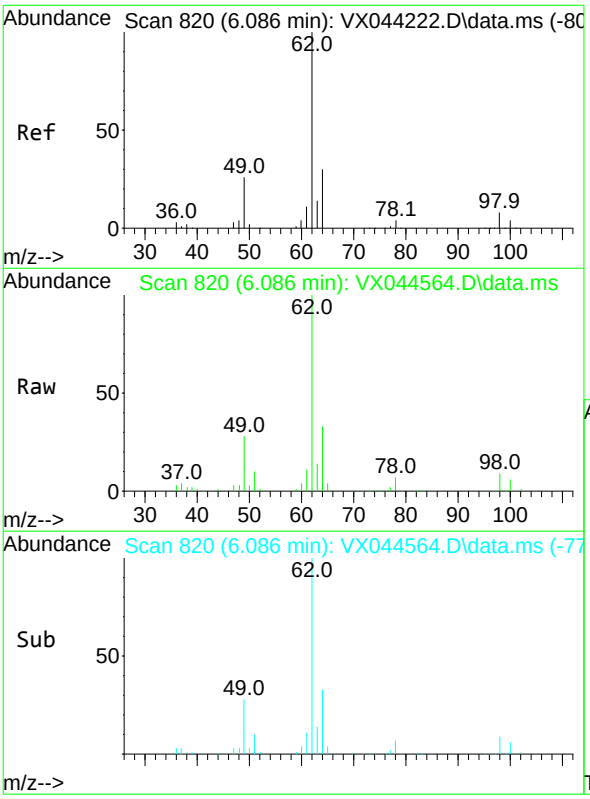
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

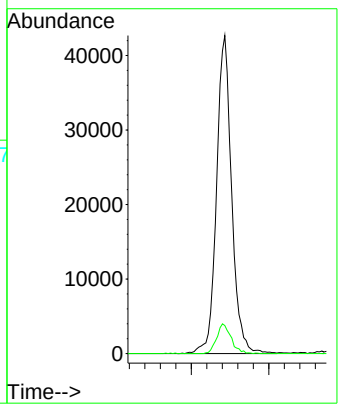


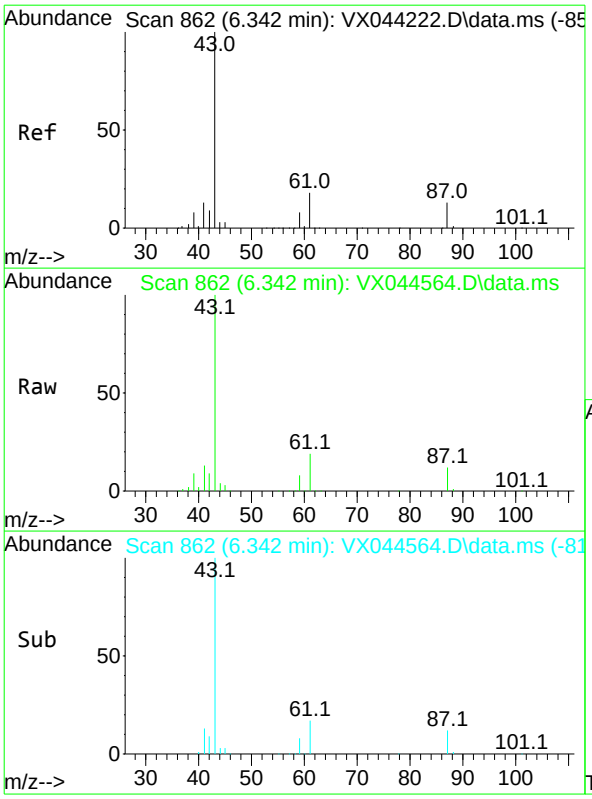


#42
1,2-Dichloroethane
Concen: 50.181 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 62 Resp: 115387

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	15.8





#43
Isopropyl Acetate
Concen: 46.938 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 43 Resp: 166728

Ion	Ratio	Lower	Upper
43	100		
61	19.1	14.2	21.2
87	12.8	10.2	15.2

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
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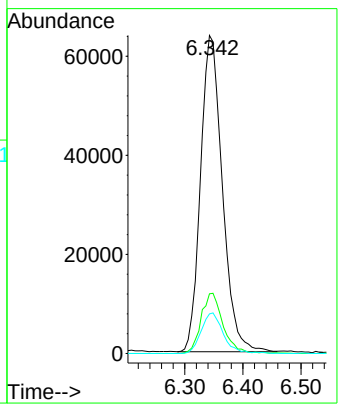
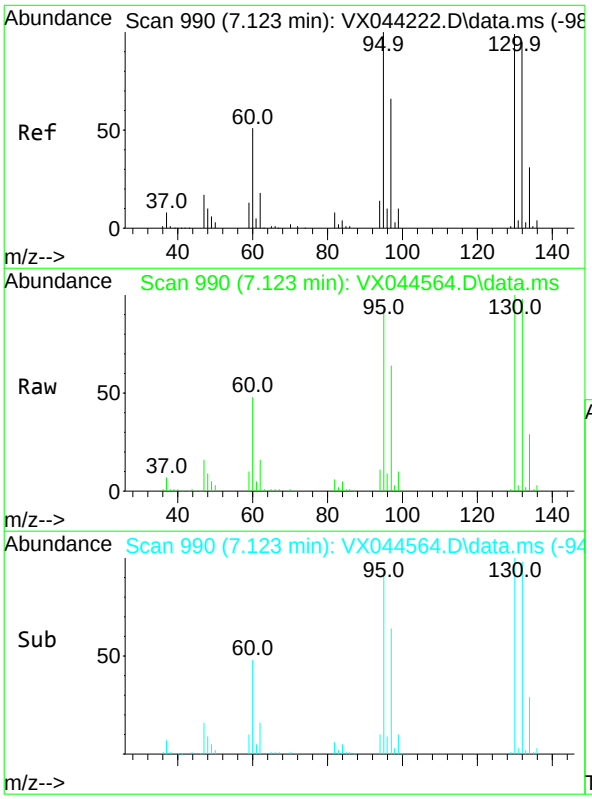
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

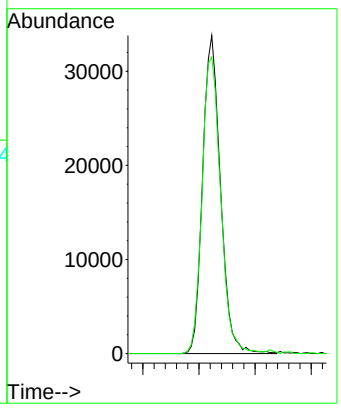


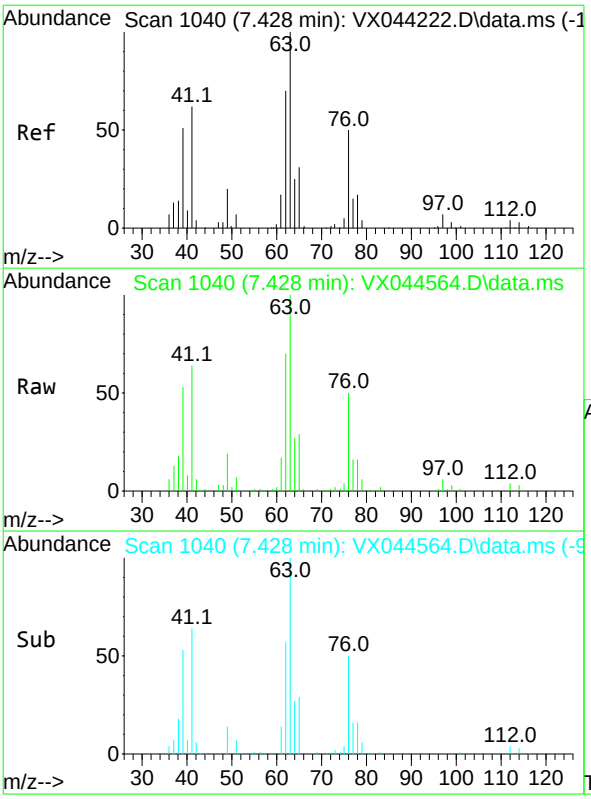


#44
Trichloroethene
Concen: 53.561 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:130 Resp: 74557

Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	201.4





#45
1,2-Dichloropropane
Concen: 50.376 ug/l
RT: 7.428 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 63 Resp: 71842

Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.6	37.0

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
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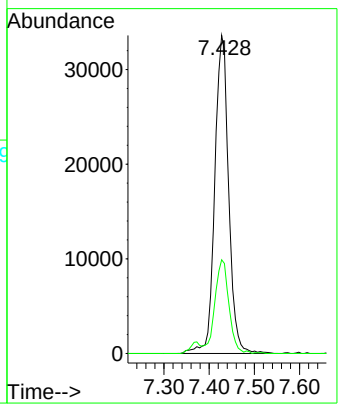
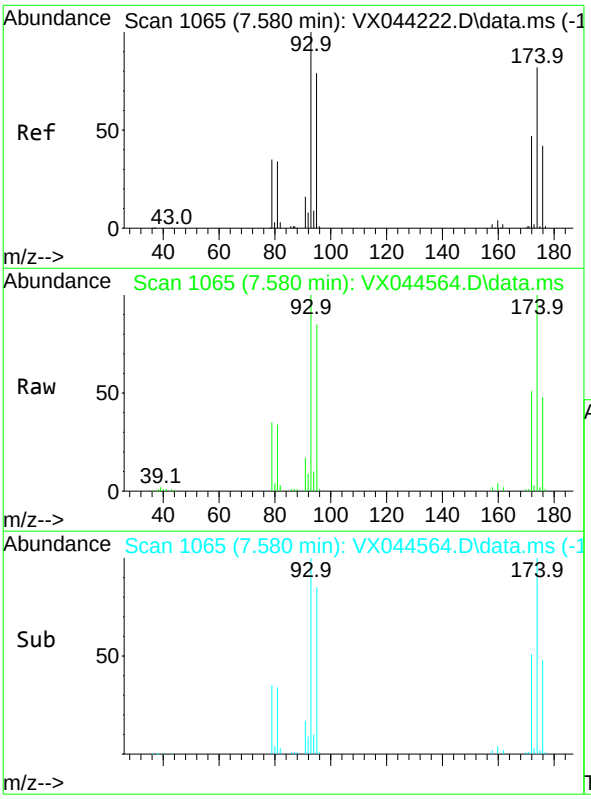
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

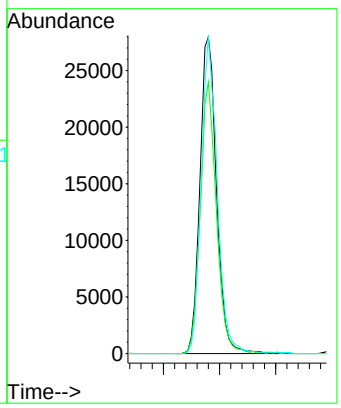


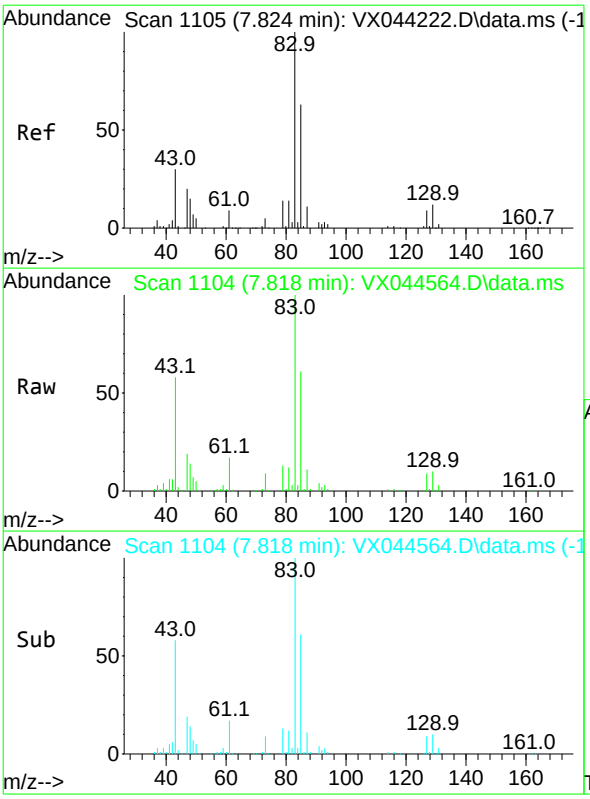


#46
Dibromomethane
Concen: 51.877 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 93 Resp: 57396

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.4	98.2
174	96.6	67.9	101.9





#47
Bromodichloromethane
Concen: 53.927 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 83 Resp: 103042

Ion	Ratio	Lower	Upper
83	100		
85	60.9	50.6	75.8
127	9.3	7.3	10.9

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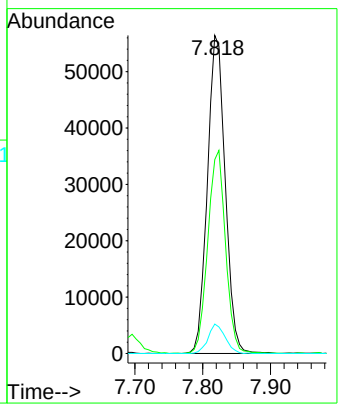
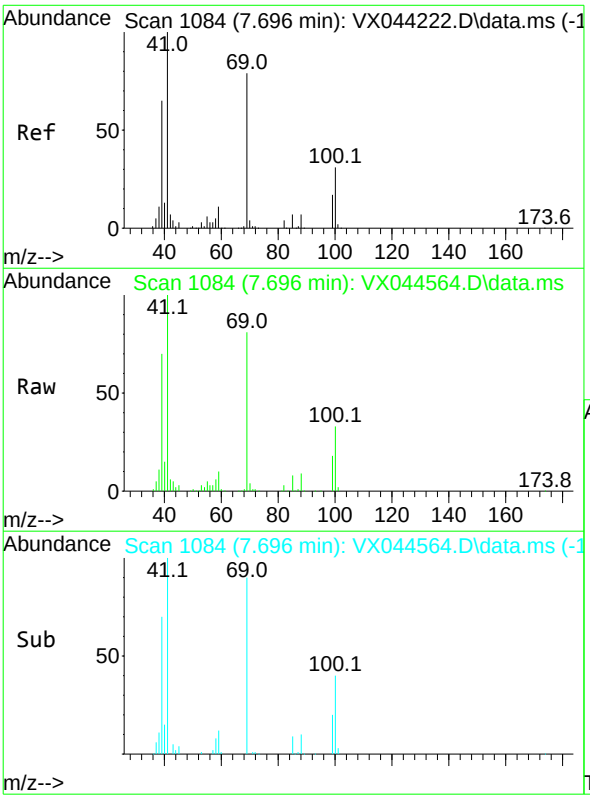
Supervised By :Mahesh Dadoda 12/31/2024

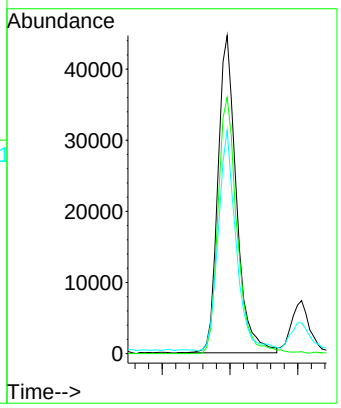


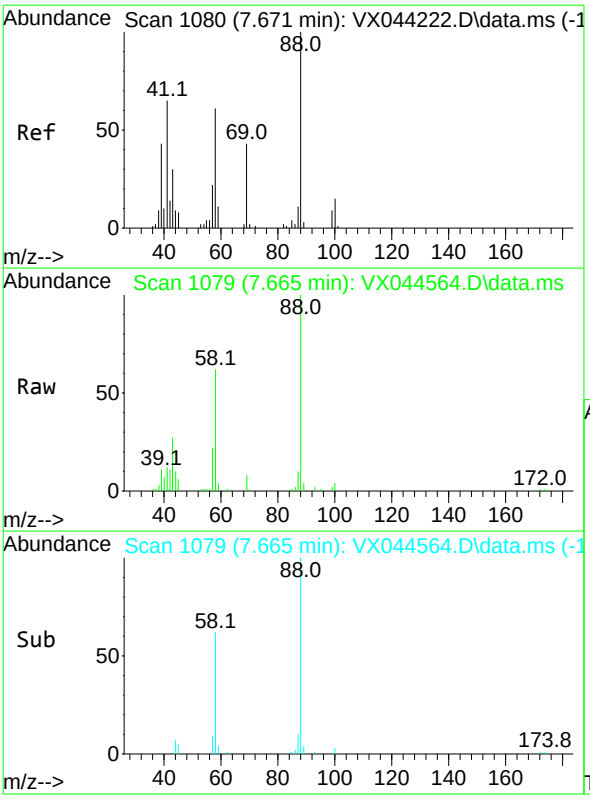


#48
Methyl methacrylate
Concen: 49.103 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 41 Resp: 84667

Ion	Ratio	Lower	Upper
41	100		
69	82.9	62.4	93.6
39	67.5	53.3	79.9





#49
1,4-Dioxane
Concen: 898.356 ug/l
RT: 7.665 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 88 Resp: 25682

Ion	Ratio	Lower	Upper
88	100		
43	48.5	27.1	40.7#
58	81.7	41.0	61.4#

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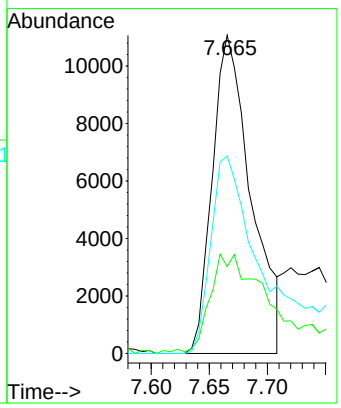
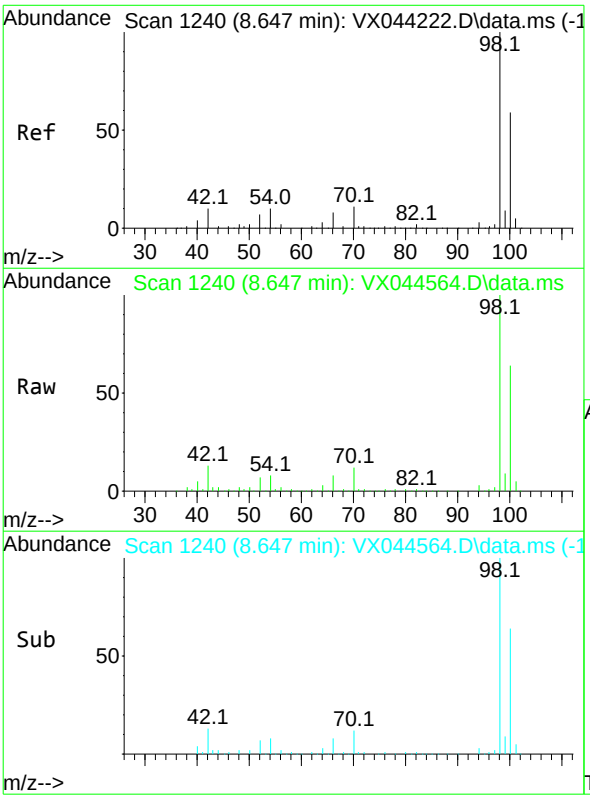
Supervised By :Mahesh Dadoda 12/31/2024

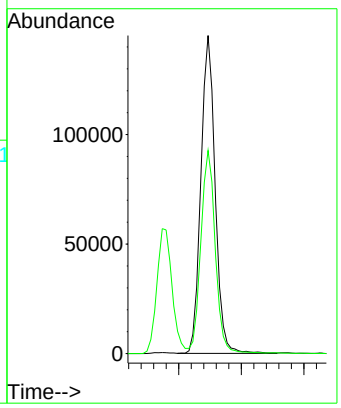


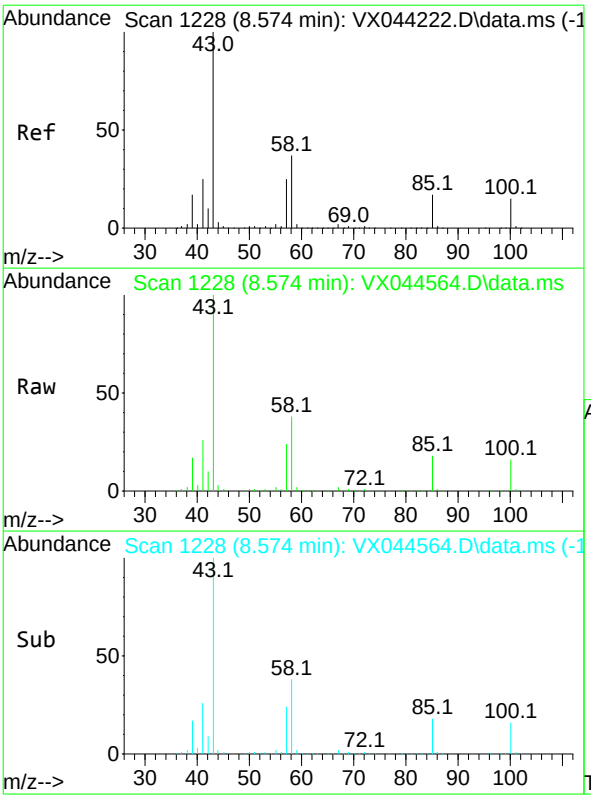


#50
Toluene-d8
Concen: 47.940 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 98 Resp: 230036

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3





#51
4-Methyl-2-Pentanone
Concen: 261.036 ug/l
RT: 8.574 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 43 Resp: 596181

Ion	Ratio	Lower	Upper
43	100		
58	37.6	29.4	44.0

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
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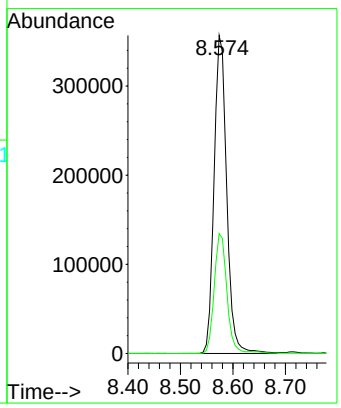
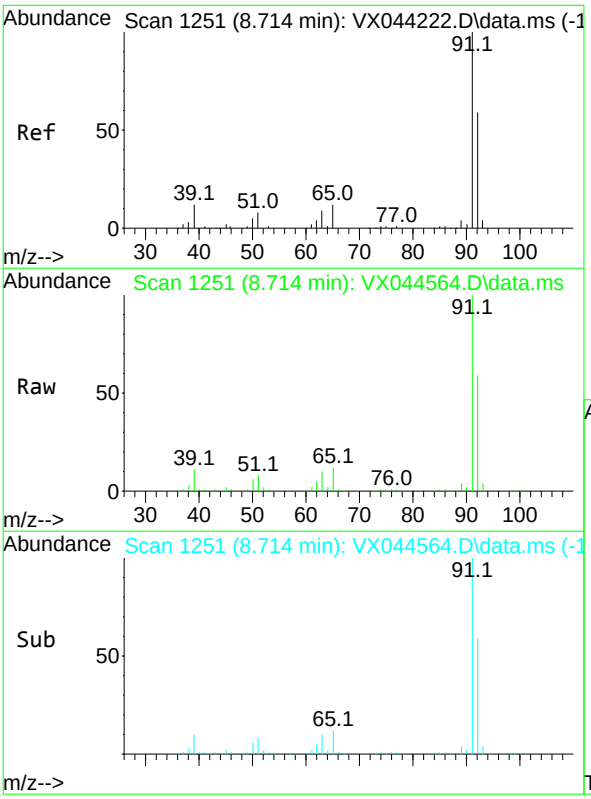
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

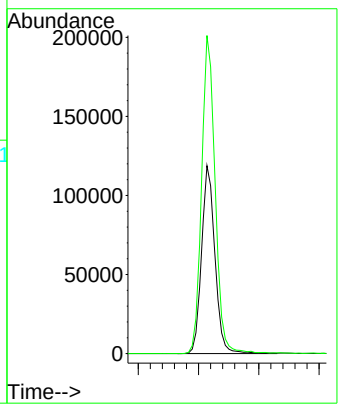


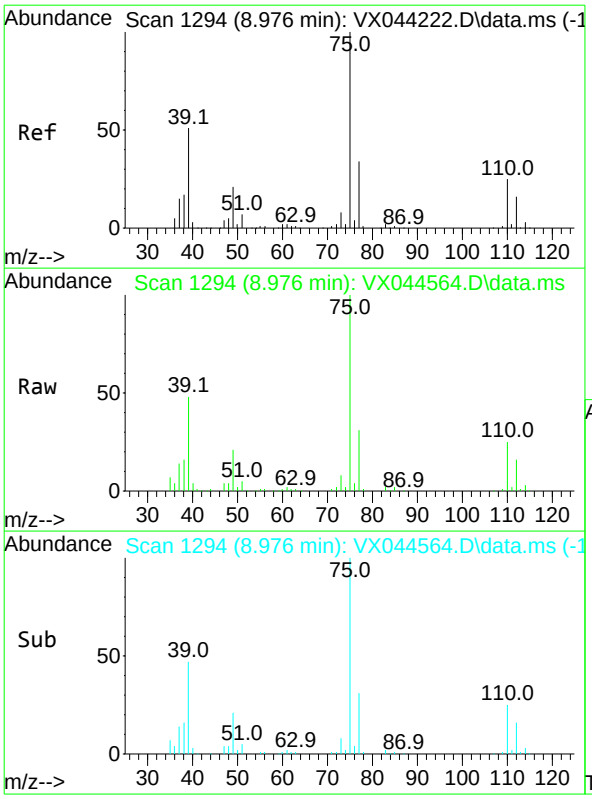


#52
Toluene
Concen: 52.282 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 92 Resp: 183268

Ion	Ratio	Lower	Upper
92	100		
91	171.2	137.0	205.6





#53
t-1,3-Dichloropropene
Concen: 47.215 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 75 Resp: 96448

Ion	Ratio	Lower	Upper
75	100		
77	31.3	27.2	40.8

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

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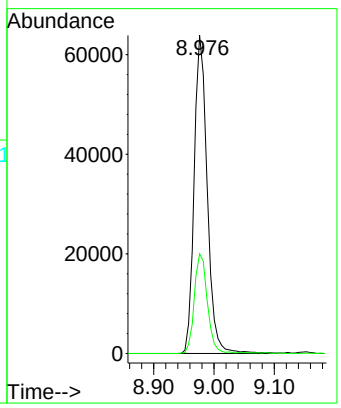
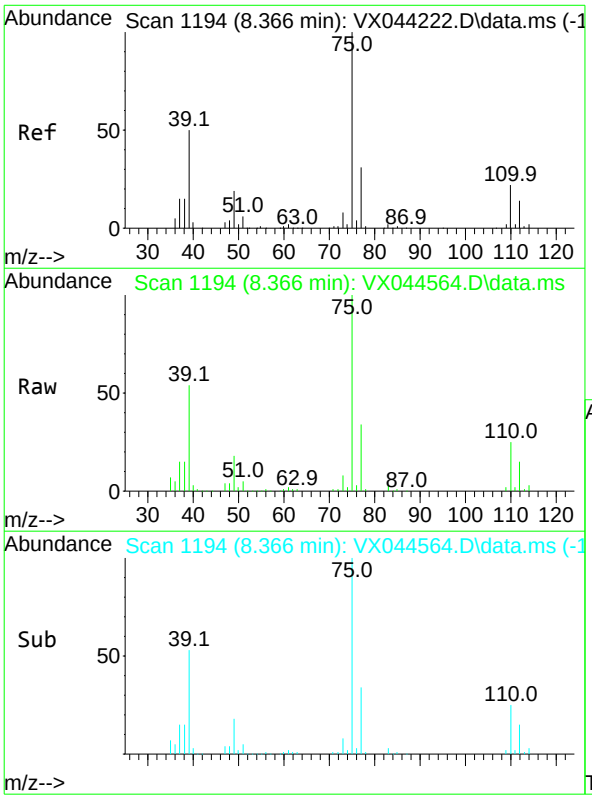
Supervised By :Mahesh Dadoda 12/31/2024

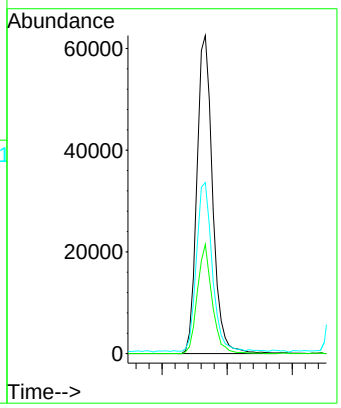


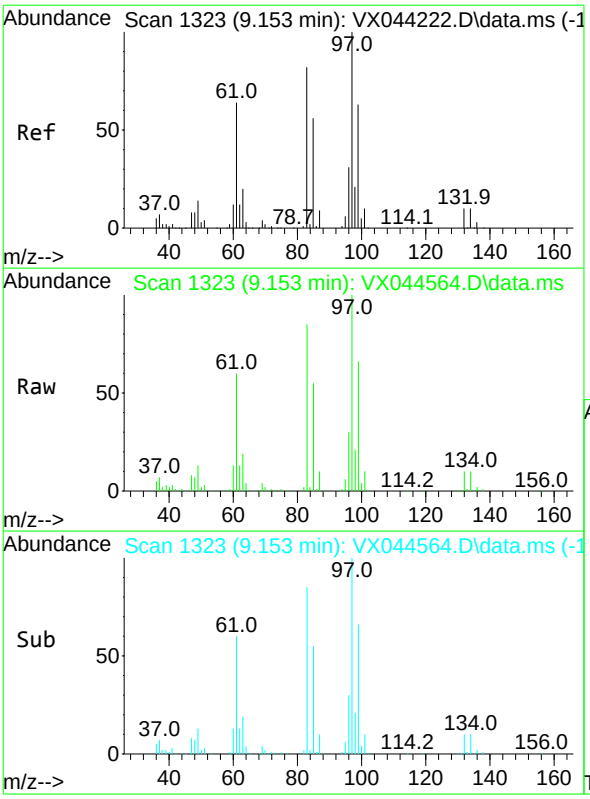


#54
cis-1,3-Dichloropropene
Concen: 50.395 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 75 Resp: 104847

Ion	Ratio	Lower	Upper
75	100		
77	34.3	24.7	37.1
39	53.0	40.3	60.5





#55
1,1,2-Trichloroethane
Concen: 54.432 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 97 Resp: 75800

Ion	Ratio	Lower	Upper
97	100		
83	85.5	65.3	97.9
85	54.6	44.6	67.0
99	65.6	50.2	75.2

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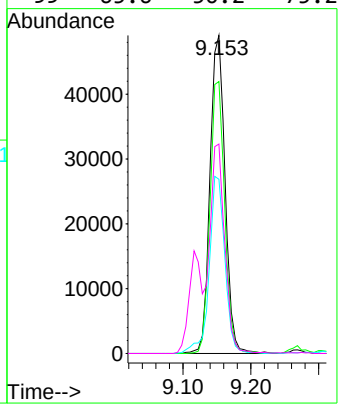
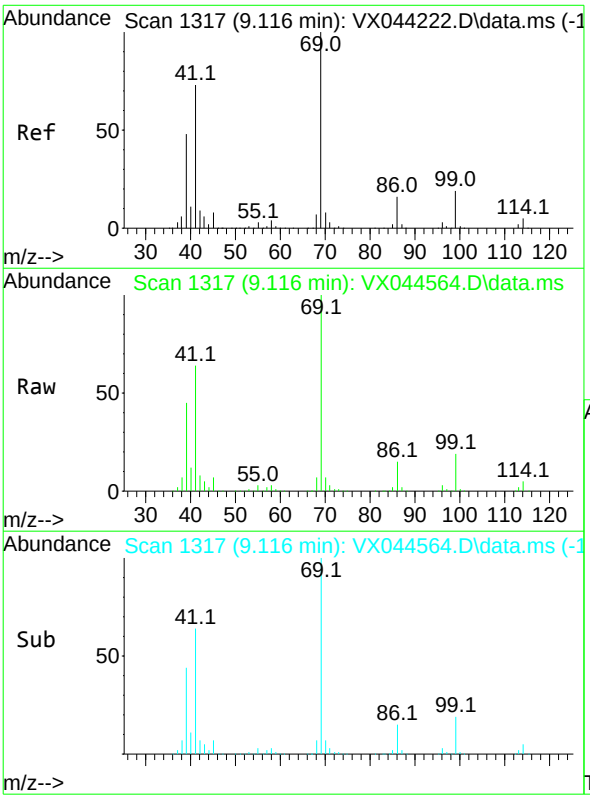
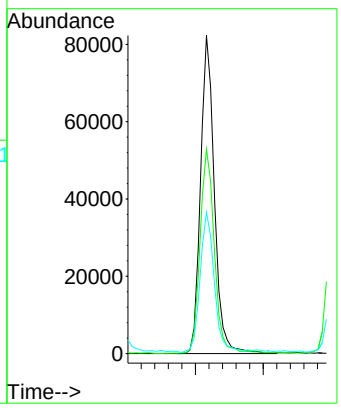


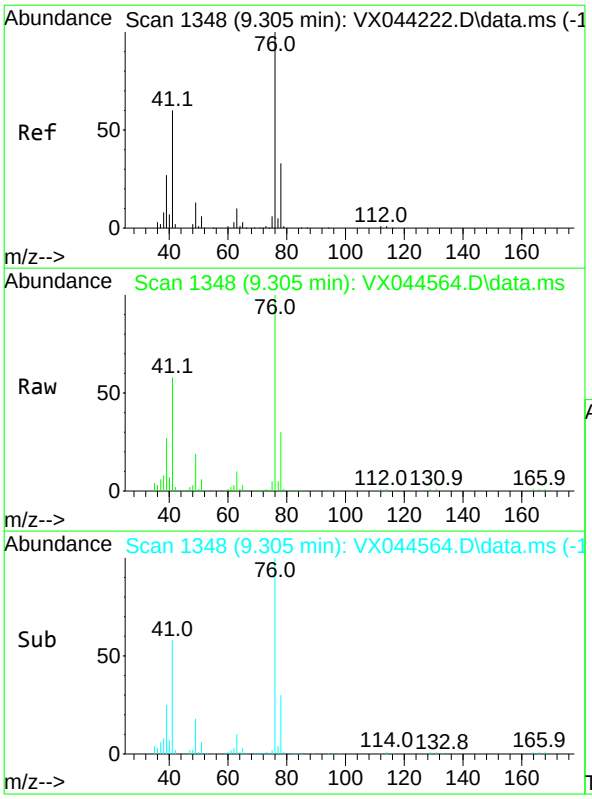


#56
Ethyl methacrylate
Concen: 53.028 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 69 Resp: 116577

Ion	Ratio	Lower	Upper
69	100		
41	67.3	56.6	85.0
39	44.9	37.4	56.0





#57
1,3-Dichloropropane
Concen: 52.767 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 76 Resp: 127903

Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

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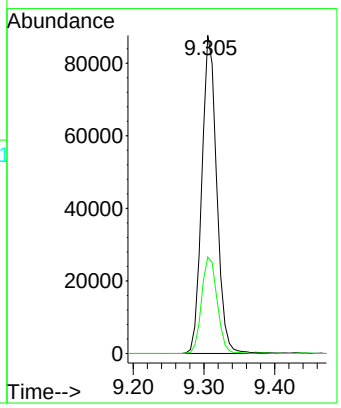
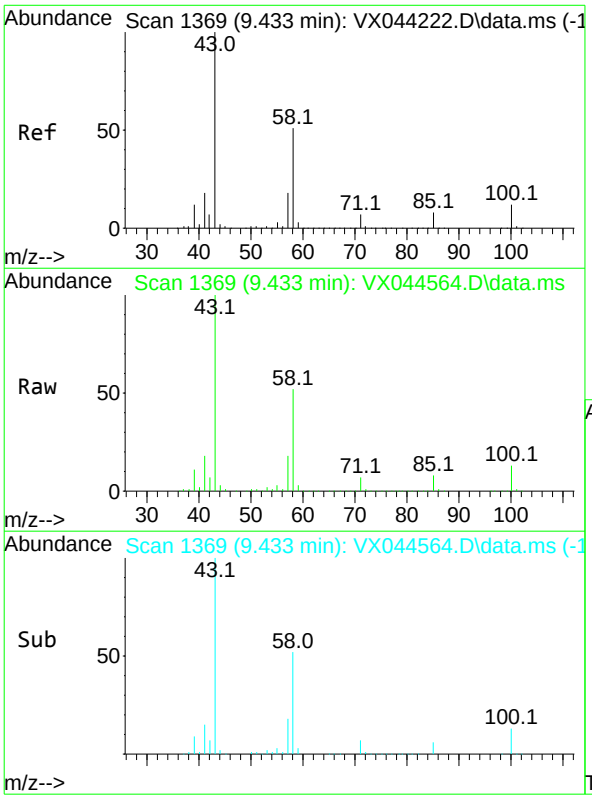
Supervised By :Mahesh Dadoda 12/31/2024

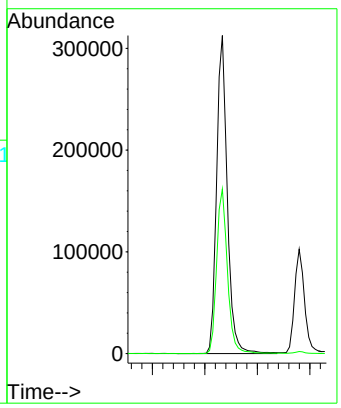


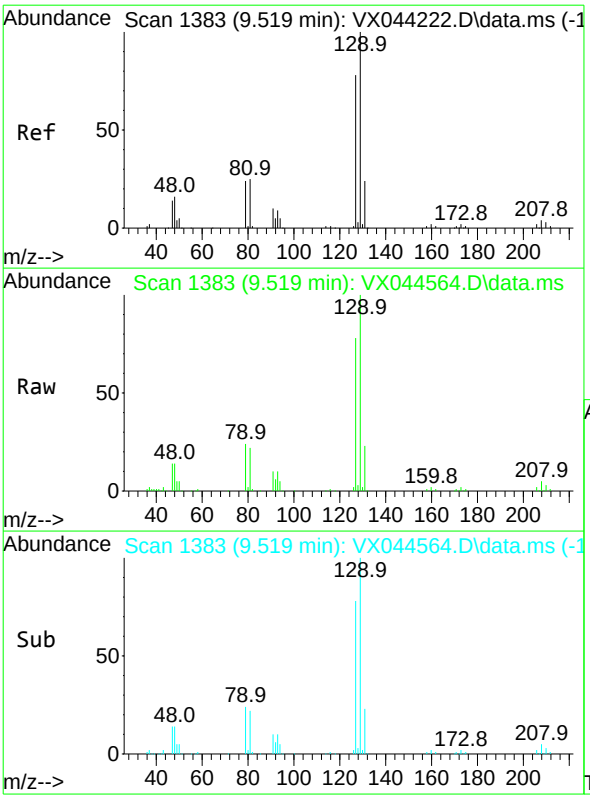


#59
2-Hexanone
Concen: 267.413 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 43 Resp: 442072

Ion	Ratio	Lower	Upper
43	100		
58	52.3	25.7	77.0





#60
Dibromochloromethane
Concen: 51.836 ug/l
RT: 9.519 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:129 Resp: 76640

Ion	Ratio	Lower	Upper
129	100		
127	75.1	38.5	115.3

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
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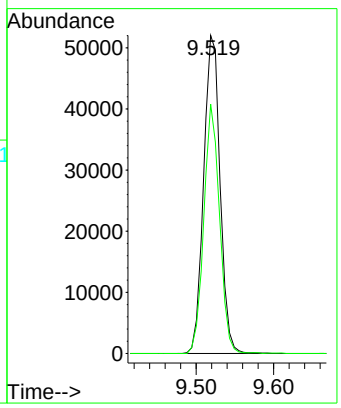
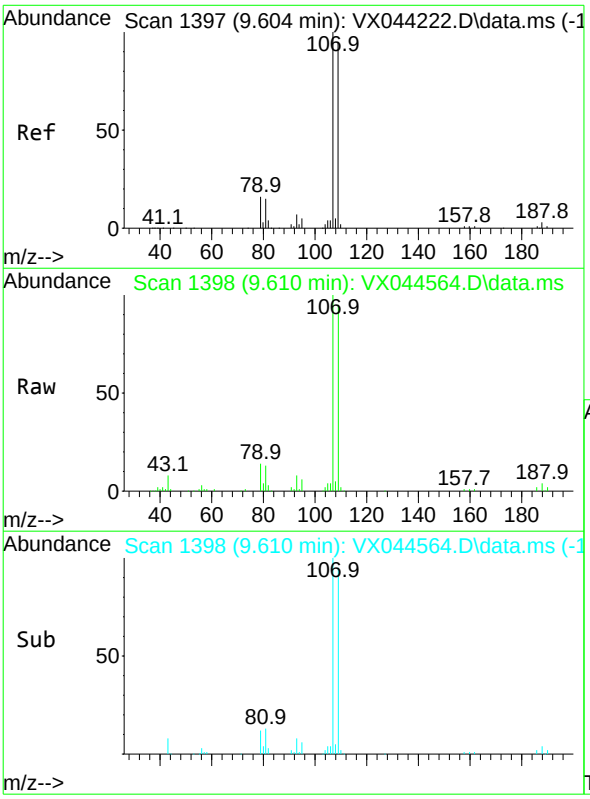
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

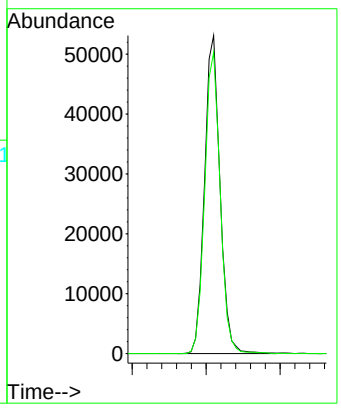


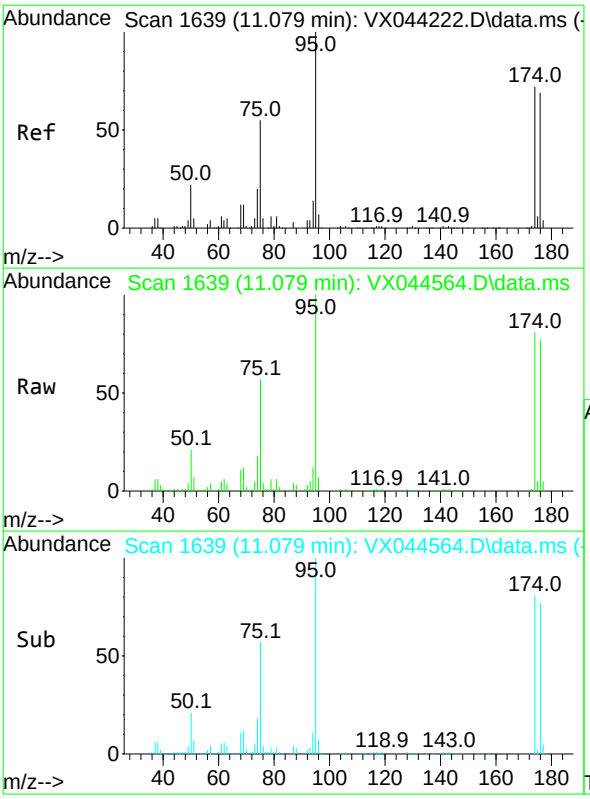


#61
1,2-Dibromoethane
Concen: 54.481 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:107 Resp: 77226

Ion	Ratio	Lower	Upper
107	100		
109	94.6	77.0	115.4





#62
4-Bromofluorobenzene
Concen: 48.860 ug/l
RT: 11.079 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 95 Resp: 81923

Ion	Ratio	Lower	Upper
95	100		
174	80.4	0.0	145.8
176	77.9	0.0	137.8

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

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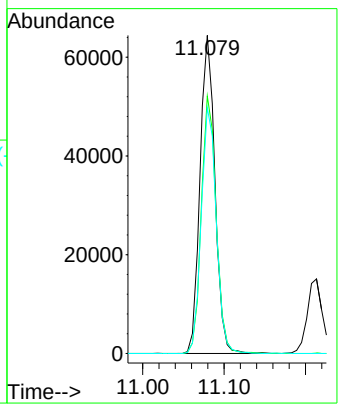
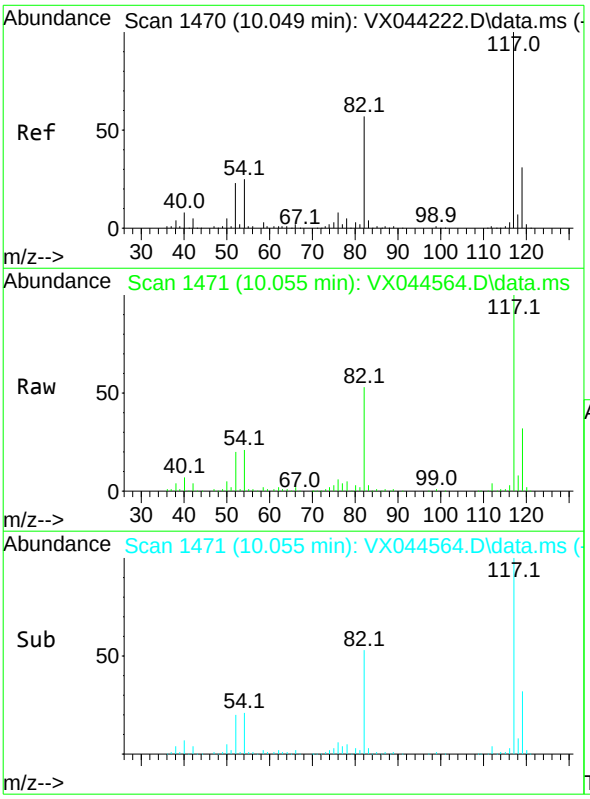
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

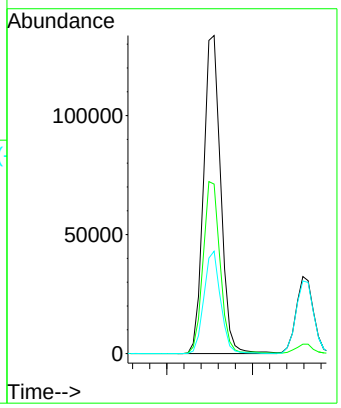


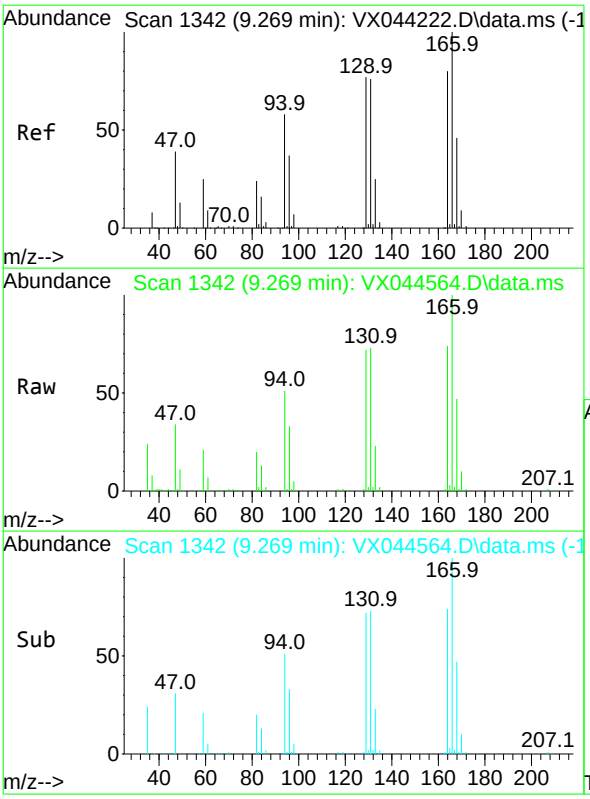


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:117 Resp: 185869

Ion	Ratio	Lower	Upper
117	100		
82	53.3	45.8	68.8
119	32.2	25.0	37.4





#64
Tetrachloroethene
Concen: 51.785 ug/l
RT: 9.269 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion:164 Resp: 63884

Ion	Ratio	Lower	Upper
164	100		
166	135.2	100.4	150.6
129	97.8	77.2	115.8
131	98.7	76.2	114.2

Manual Integrations
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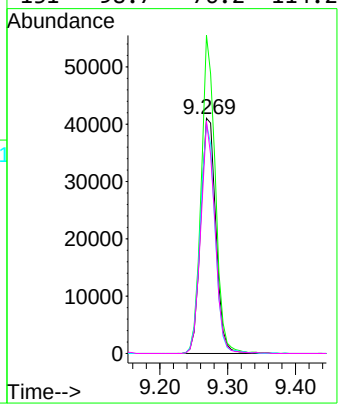
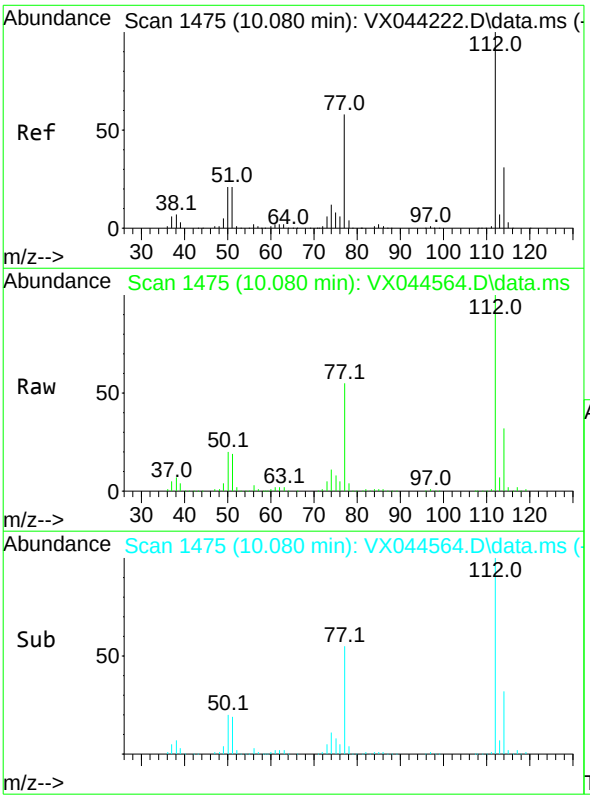
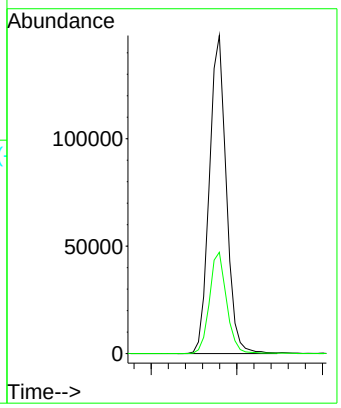


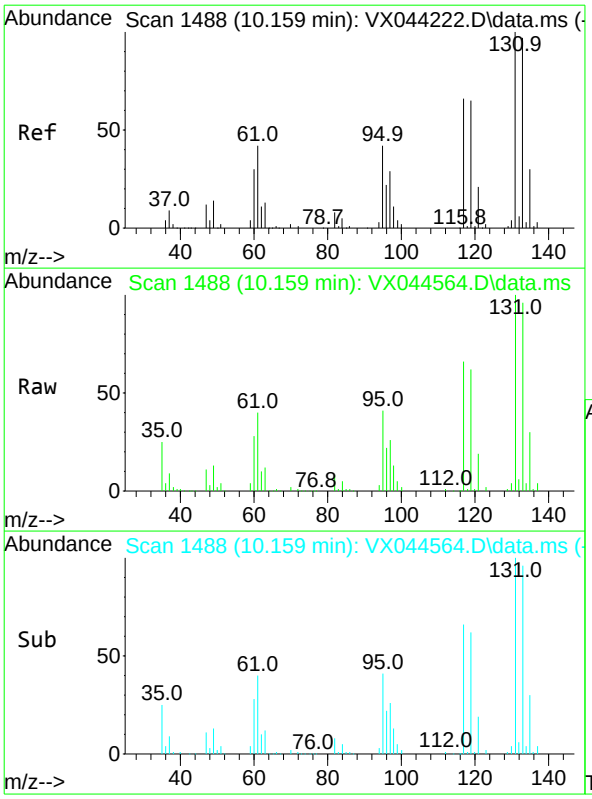


#65
Chlorobenzene
Concen: 51.100 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:112 Resp: 203519

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.0	37.6





#66
1,1,1,2-Tetrachloroethane
Concen: 54.304 ug/l
RT: 10.159 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion:131 Resp: 69510

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.3	141.8
119	63.4	31.6	95.0

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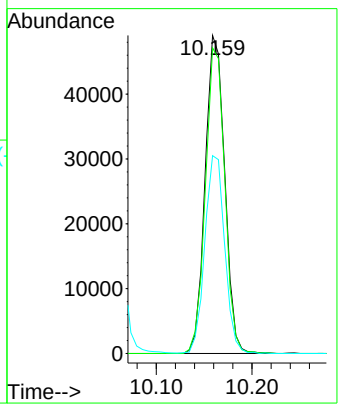
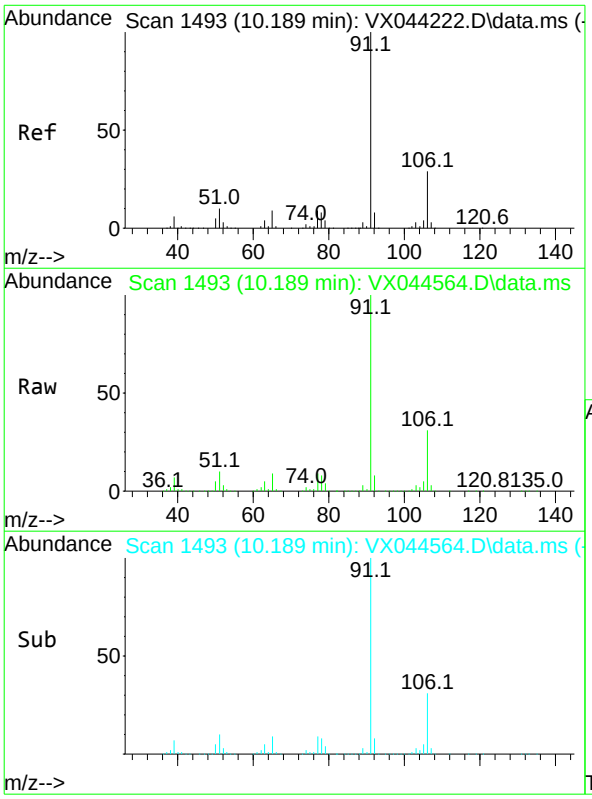
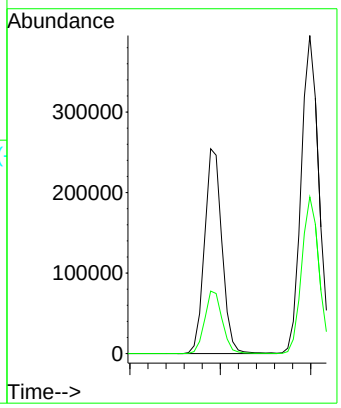


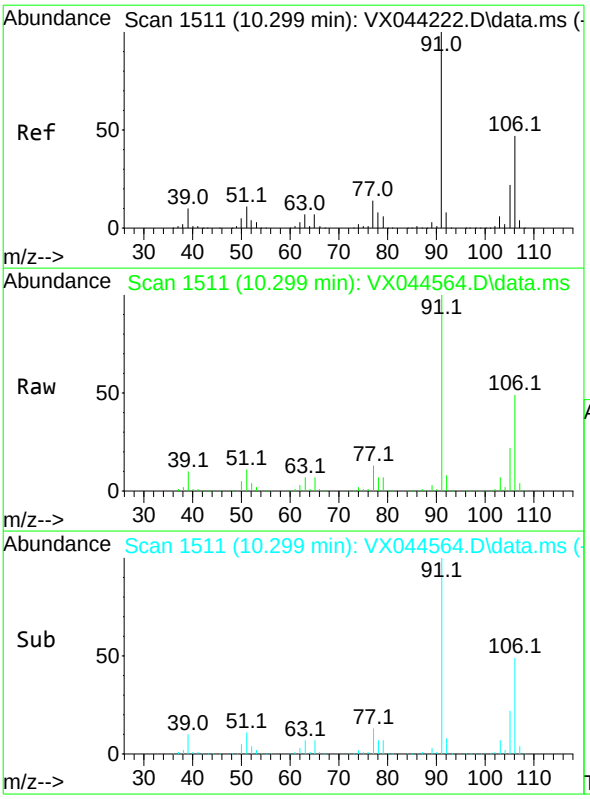


#67
Ethyl Benzene
Concen: 49.645 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 91 Resp: 341637

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.5	35.3





#68
m/p-Xylenes
Concen: 102.829 ug/l
RT: 10.299 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:106 Resp: 259657

Ion	Ratio	Lower	Upper
106	100		
91	206.5	170.2	255.2

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

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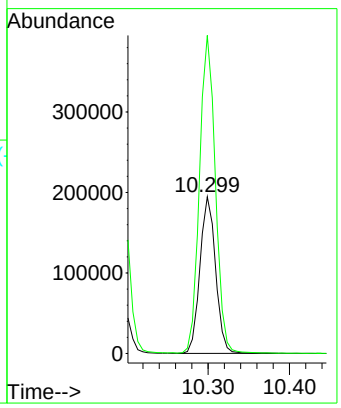
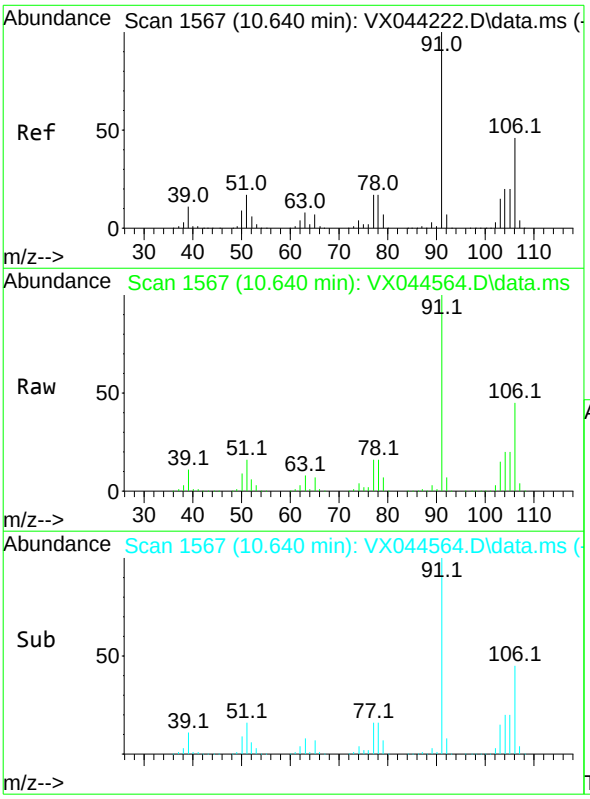
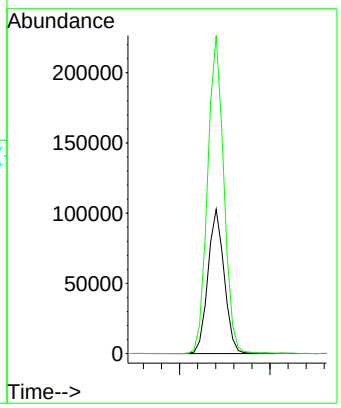


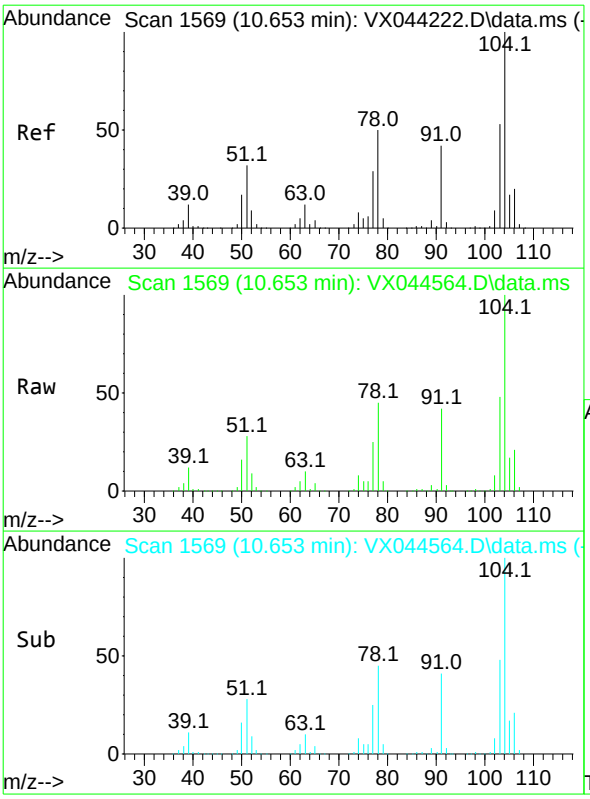


#69
o-Xylene
Concen: 50.298 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:106 Resp: 128508

Ion	Ratio	Lower	Upper
106	100		
91	220.2	112.3	337.0





#70
Styrene
Concen: 53.327 ug/l
RT: 10.653 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion:104 Resp: 218414

Ion	Ratio	Lower	Upper
104	100		
78	50.7	44.6	67.0
103	54.0	45.4	68.0

Manual Integrations
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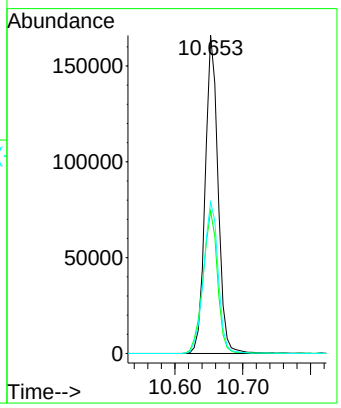
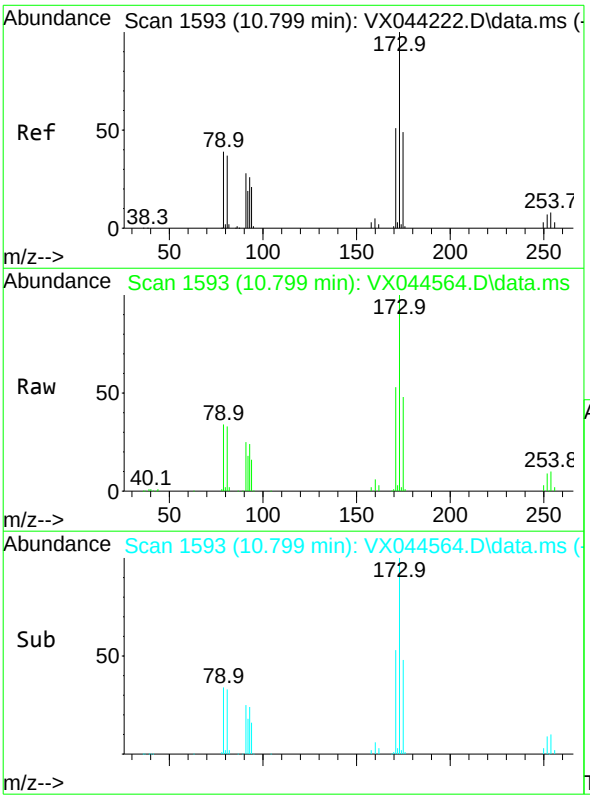
Supervised By :Mahesh Dadoda 12/31/2024

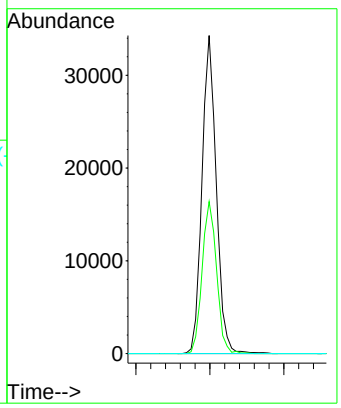


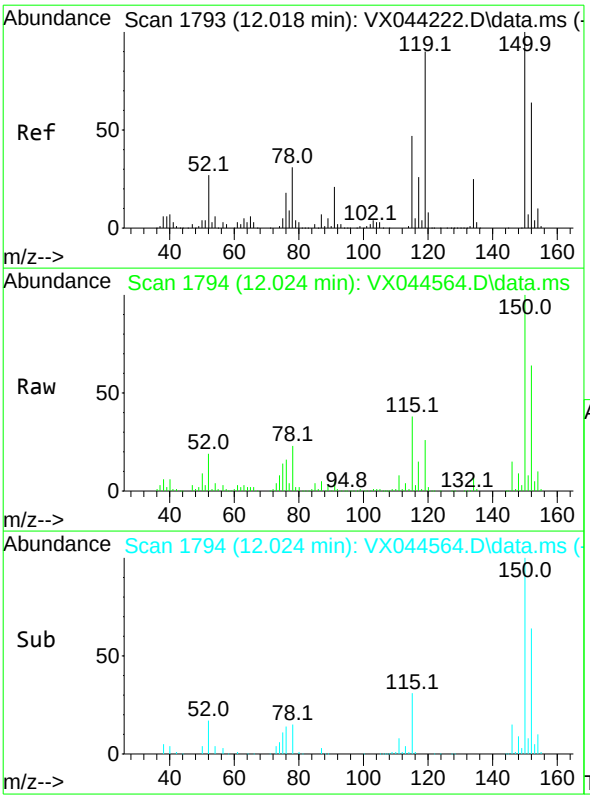


#71
Bromoform
Concen: 51.220 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:173 Resp: 45958

Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.8	71.4
254	0.0	0.0	0.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. 0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:152 Resp: 88817

Ion	Ratio	Lower	Upper
152	100		
115	84.0	44.5	133.3
150	171.5	0.0	353.8

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

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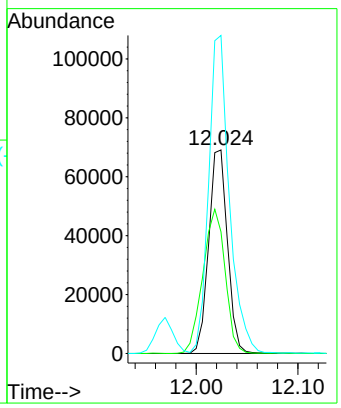
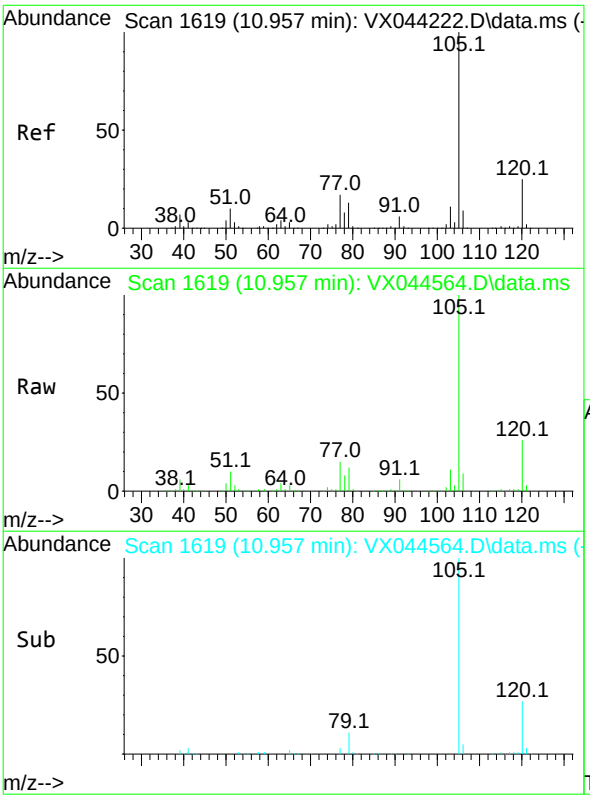
Supervised By :Mahesh Dadoda 12/31/2024

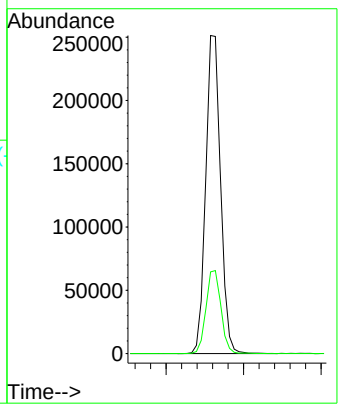


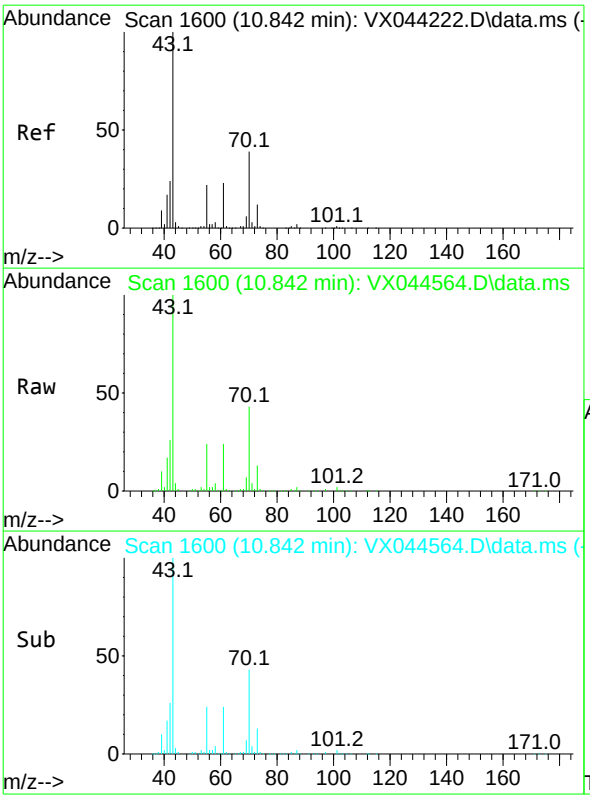


#73
Isopropylbenzene
Concen: 49.155 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:105 Resp: 334217

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.1	39.3





#74
N-amyl acetate
Concen: 42.717 ug/l
RT: 10.842 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 43 Resp: 134232

Ion	Ratio	Lower	Upper
43	100		
70	41.9	31.9	47.9
55	24.4	17.9	26.9
61	23.4	17.9	26.9

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

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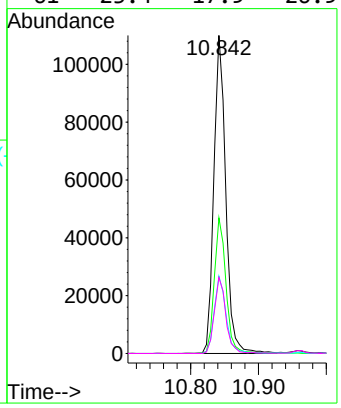
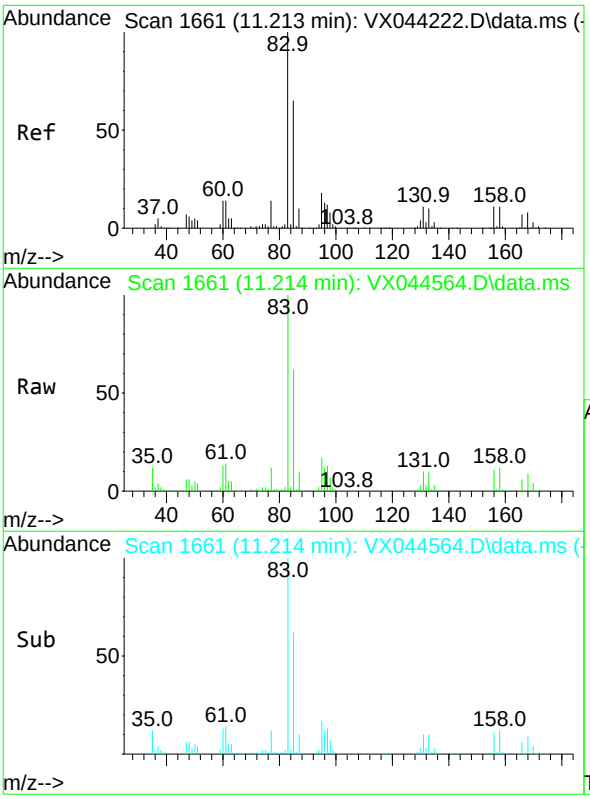
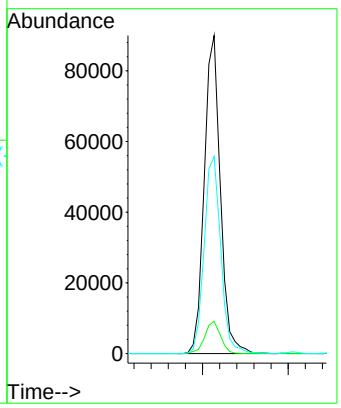


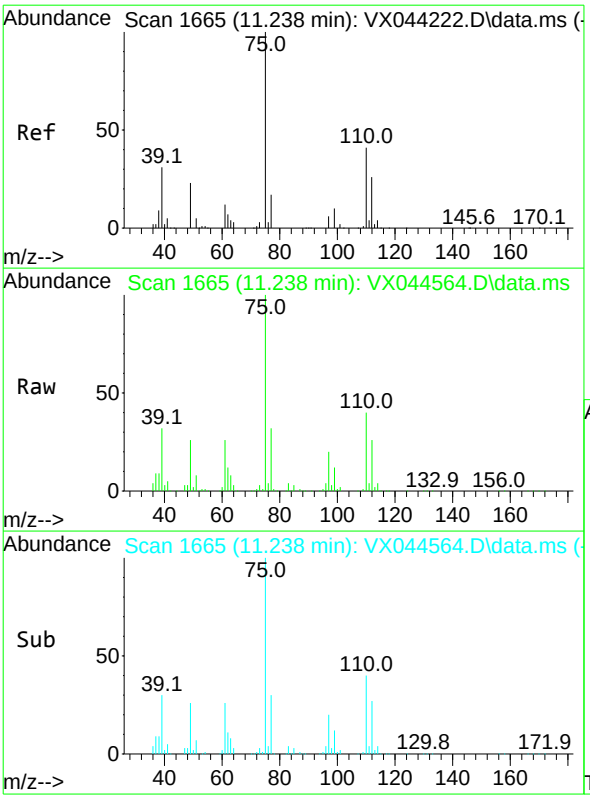


#75
1,1,2,2-Tetrachloroethane
Concen: 49.716 ug/l
RT: 11.214 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 83 Resp: 117410

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.4
85	64.0	32.5	97.4





#76
1,2,3-Trichloropropane
Concen: 48.201 ug/l m
RT: 11.238 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 75 Resp: 95586

Ion	Ratio	Lower	Upper
75	100		
77	40.7	20.9	62.7

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

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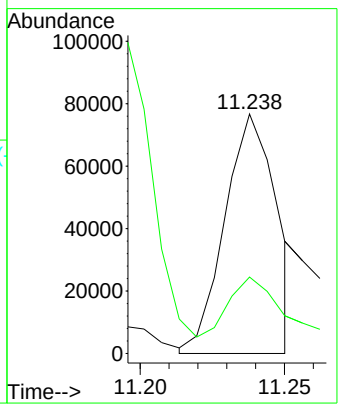
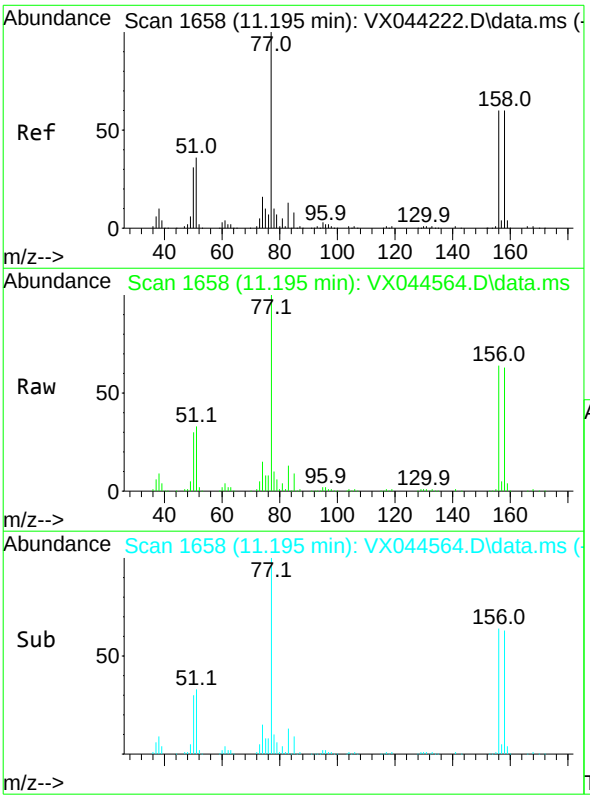
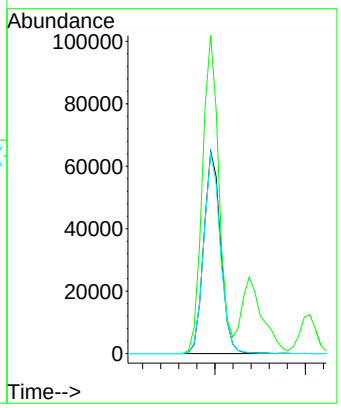


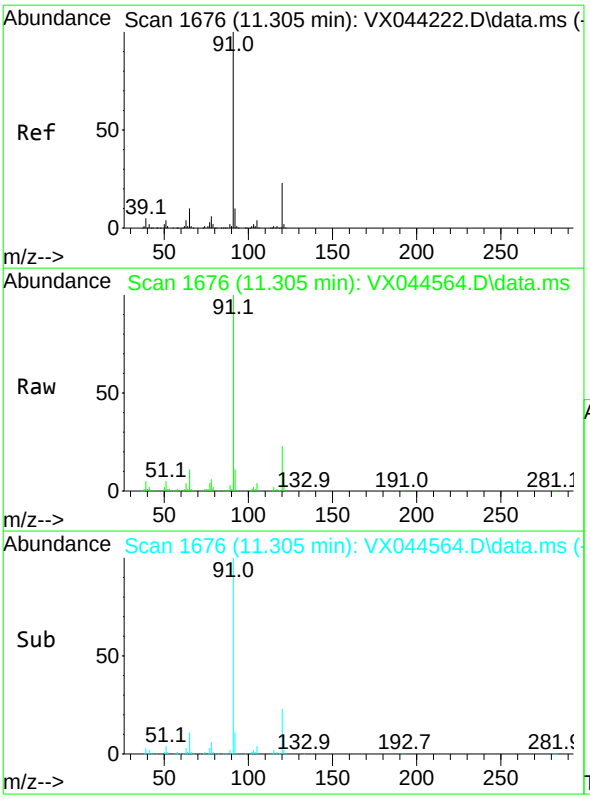


#77
Bromobenzene
Concen: 50.877 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:156 Resp: 83885

Ion	Ratio	Lower	Upper
156	100		
77	154.3	82.6	247.8
158	97.9	48.8	146.4





#78
n-propylbenzene
Concen: 50.023 ug/l
RT: 11.305 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 91 Resp: 375925

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.0	33.0

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
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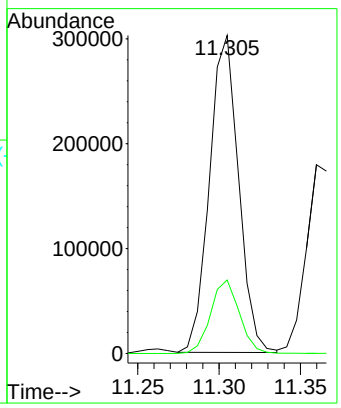
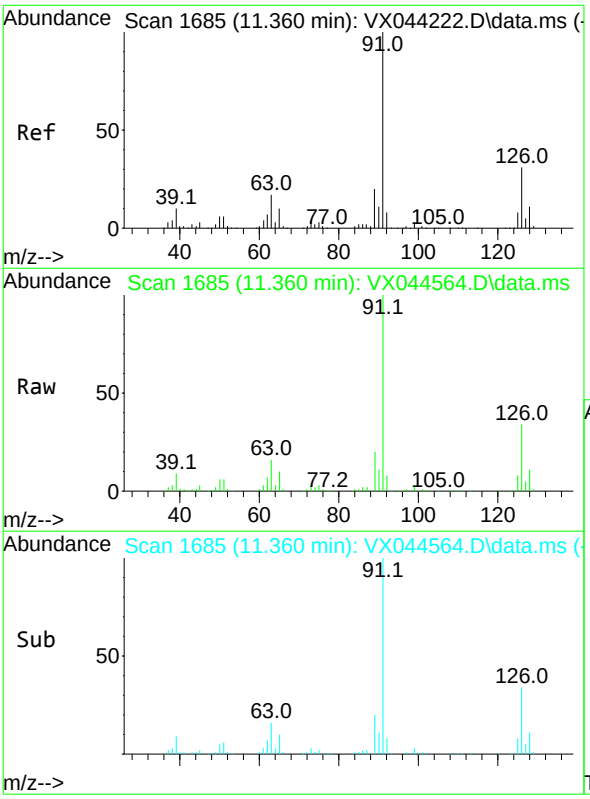
Supervised By :Mahesh Dadoda 12/31/2024

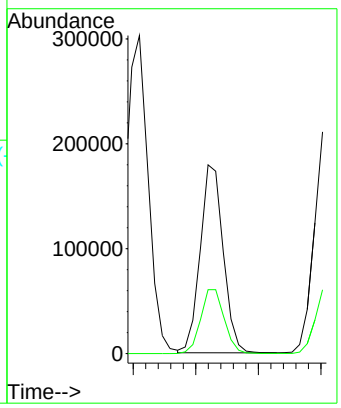


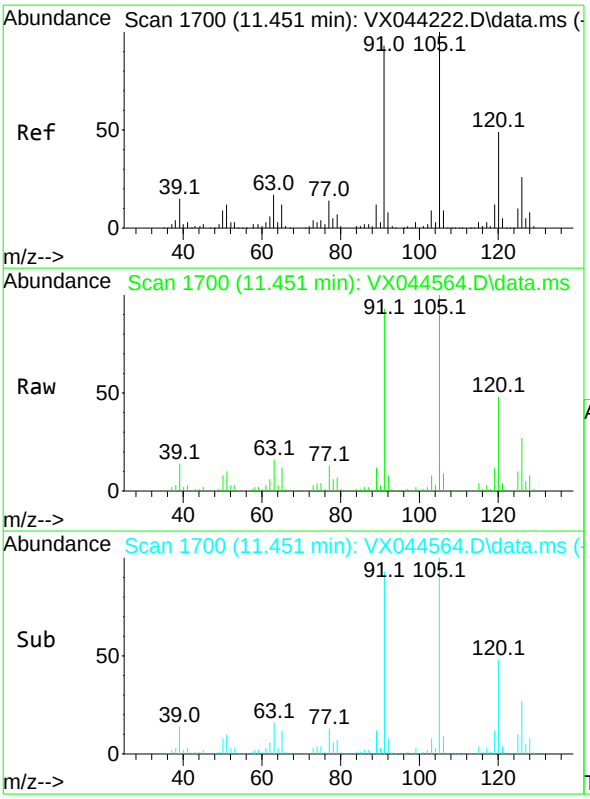


#79
2-Chlorotoluene
Concen: 47.201 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 91 Resp: 229405

Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.4	49.1





#80
1,3,5-Trimethylbenzene
Concen: 48.823 ug/l
RT: 11.451 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:105 Resp: 275291

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.8	71.4

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
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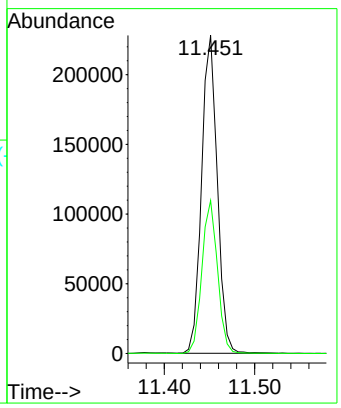
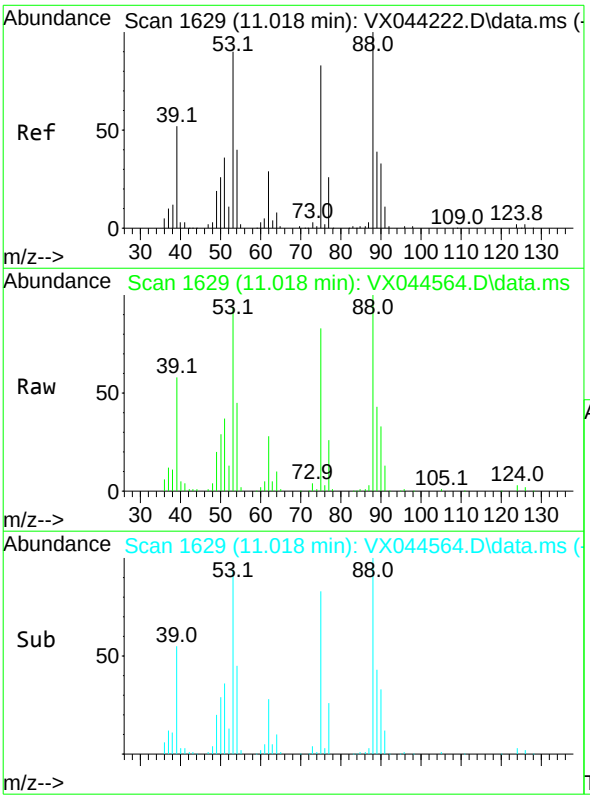
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

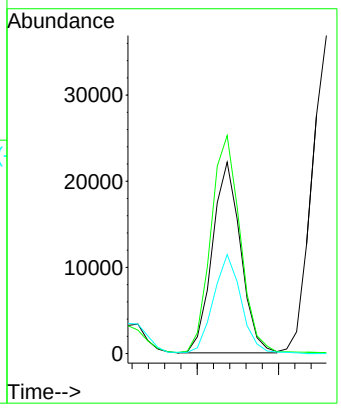


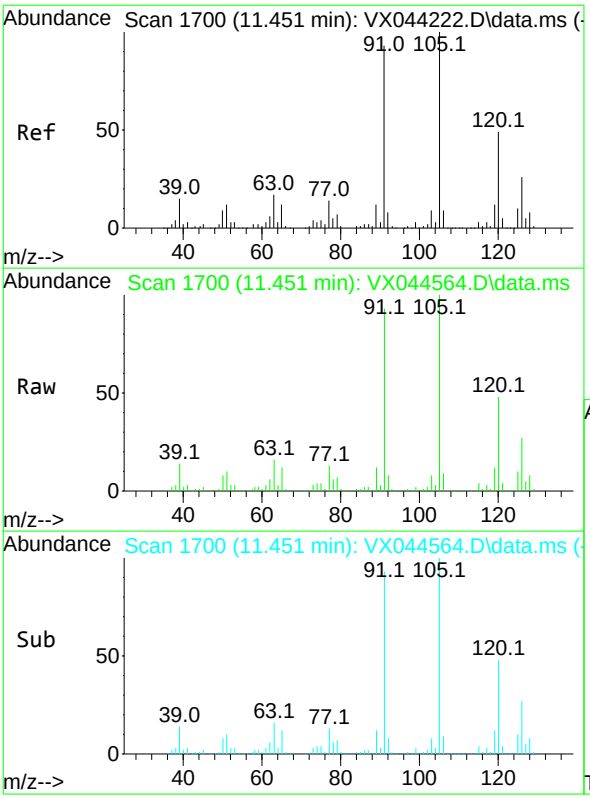


#81
trans-1,4-Dichloro-2-butene
Concen: 39.985 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 75 Resp: 26801

Ion	Ratio	Lower	Upper
75	100		
53	118.8	93.6	140.4
89	51.3	37.3	55.9





#82
4-Chlorotoluene
Concen: 48.298 ug/l
RT: 11.451 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 91 Resp: 259940

Ion	Ratio	Lower	Upper
91	100		
126	30.6	14.5	43.5

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
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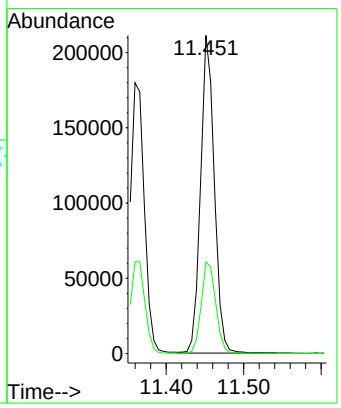
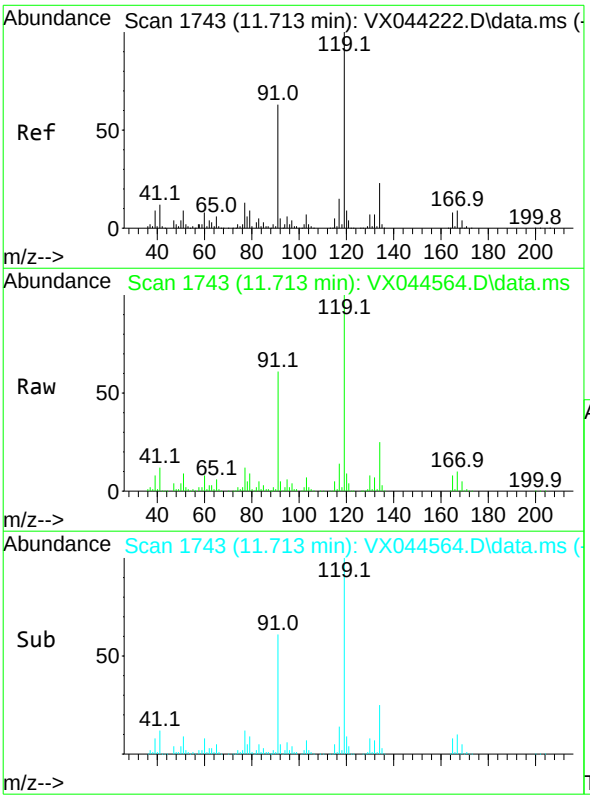
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

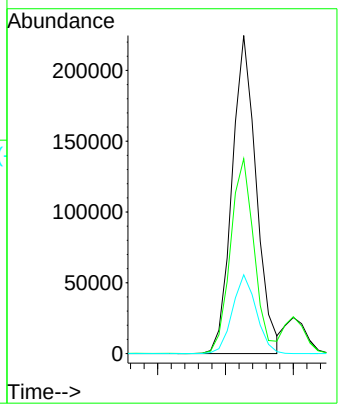


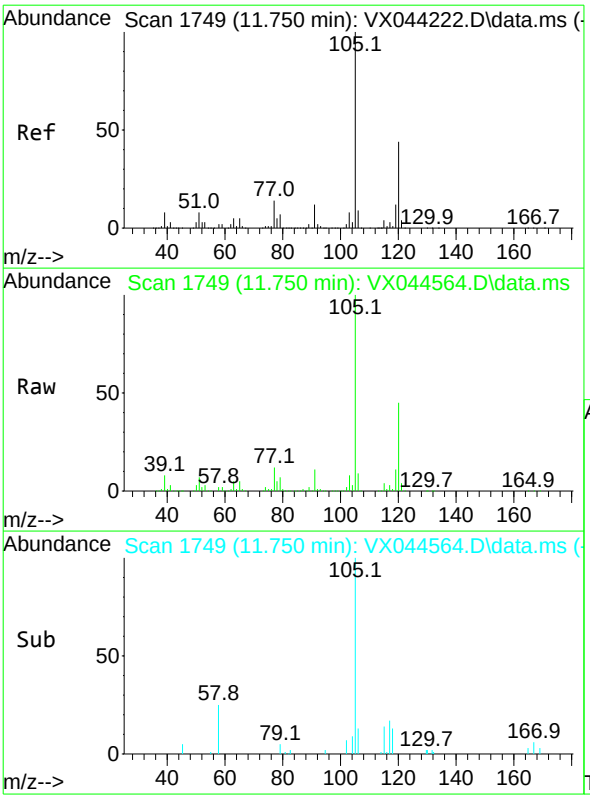


#83
tert-Butylbenzene
Concen: 49.880 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:119 Resp: 277951

Ion	Ratio	Lower	Upper
119	100		
91	60.4	30.9	92.5
134	24.4	11.5	34.4





#84
1,2,4-Trimethylbenzene
Concen: 49.716 ug/l
RT: 11.750 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:105 Resp: 275304

Ion	Ratio	Lower	Upper
105	100		
120	45.2	21.7	65.1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
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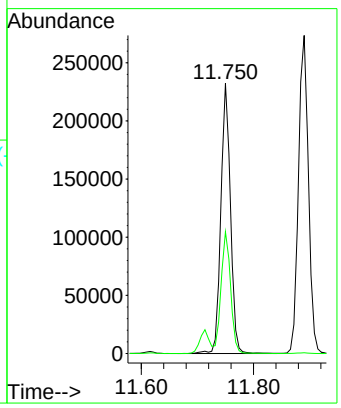
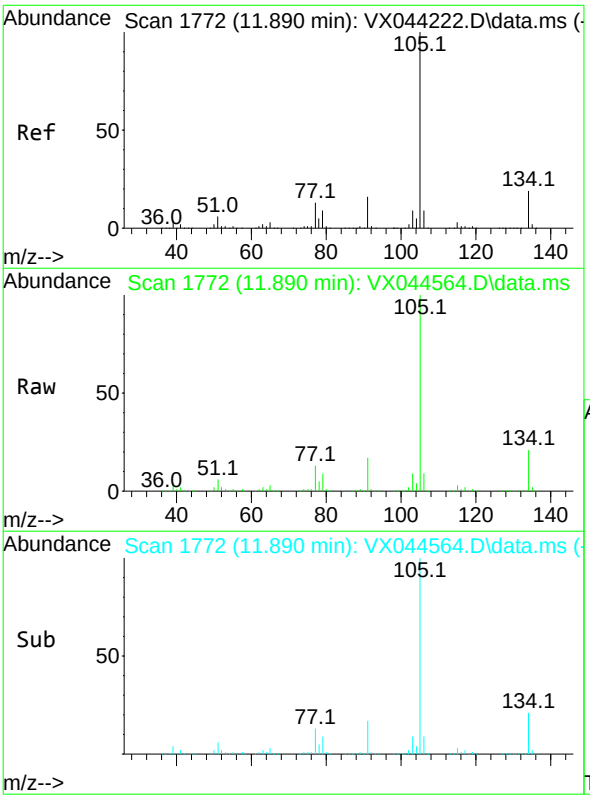
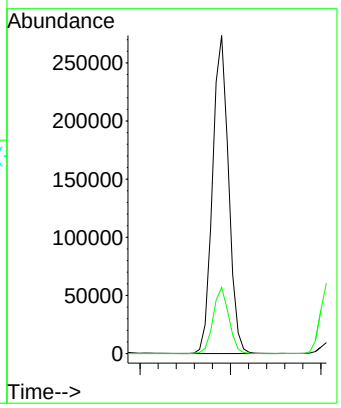


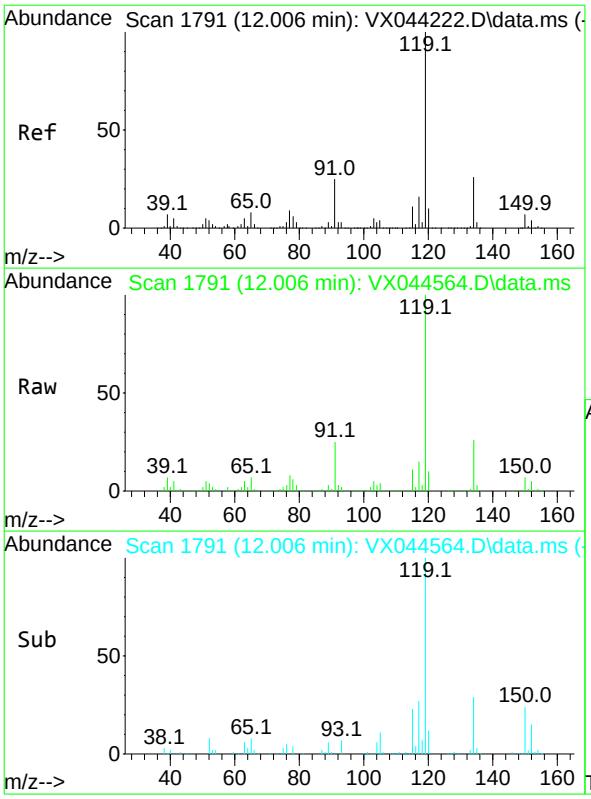


#85
sec-Butylbenzene
Concen: 49.696 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:105 Resp: 336189

Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.8	29.4





#86
p-Isopropyltoluene
Concen: 49.875 ug/l
RT: 12.006 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:119 Resp: 280818

Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.8	38.4
91	24.8	13.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

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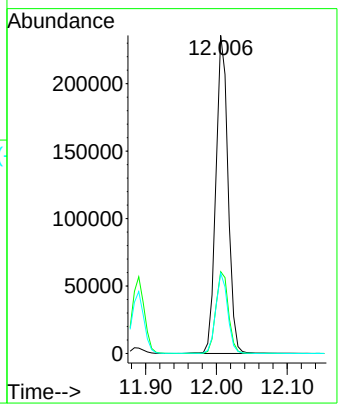
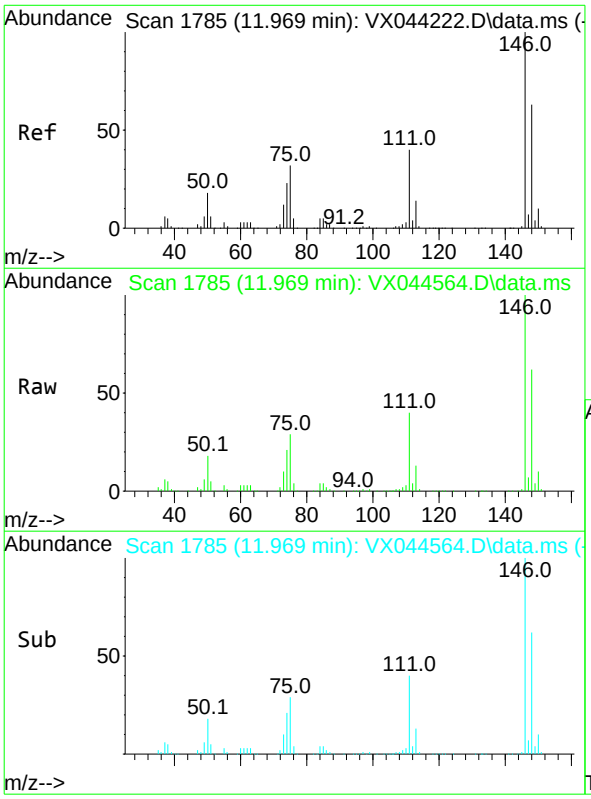
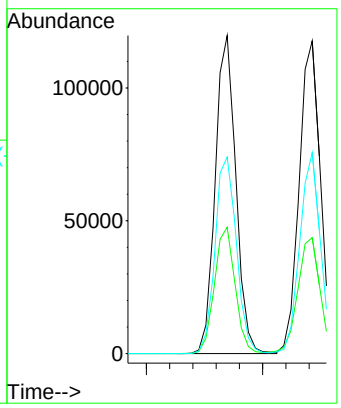


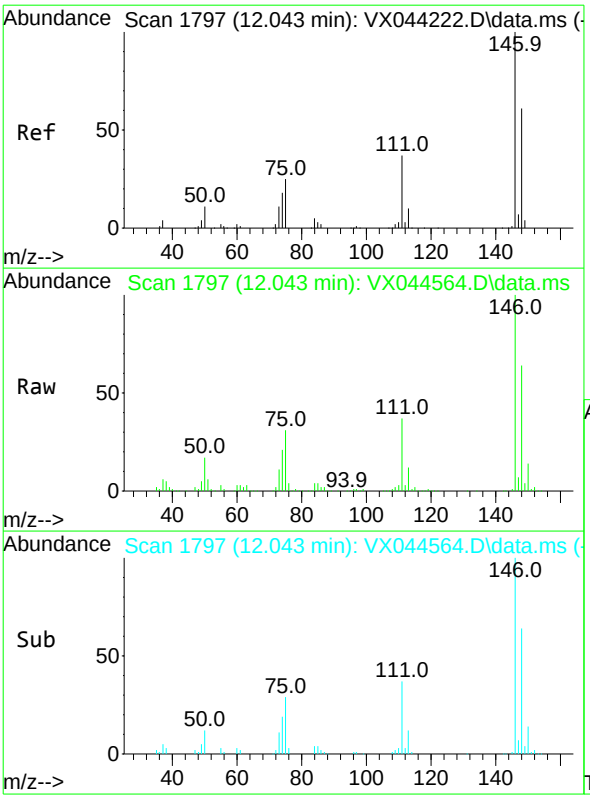


#87
1,3-Dichlorobenzene
Concen: 51.225 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:146 Resp: 147531

Ion	Ratio	Lower	Upper
146	100		
111	39.9	21.4	64.2
148	64.2	31.7	95.1





#88
1,4-Dichlorobenzene
Concen: 50.346 ug/l
RT: 12.043 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:146 Resp: 149057

Ion	Ratio	Lower	Upper
146	100		
111	38.9	21.0	63.0
148	62.8	32.3	96.8

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
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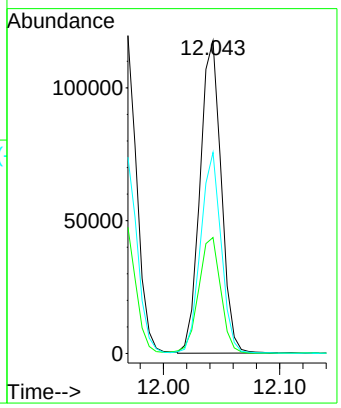
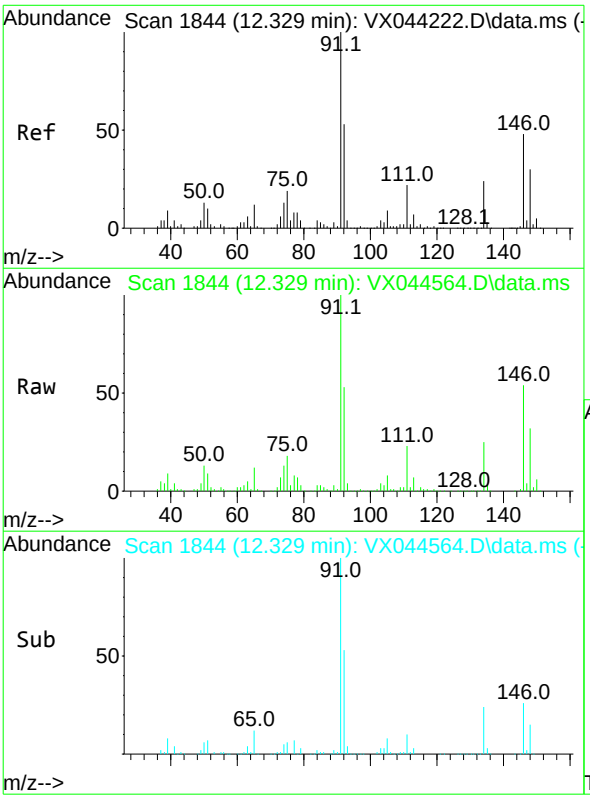
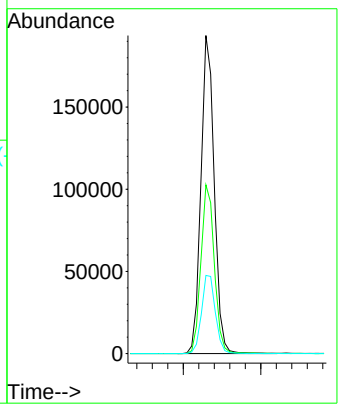


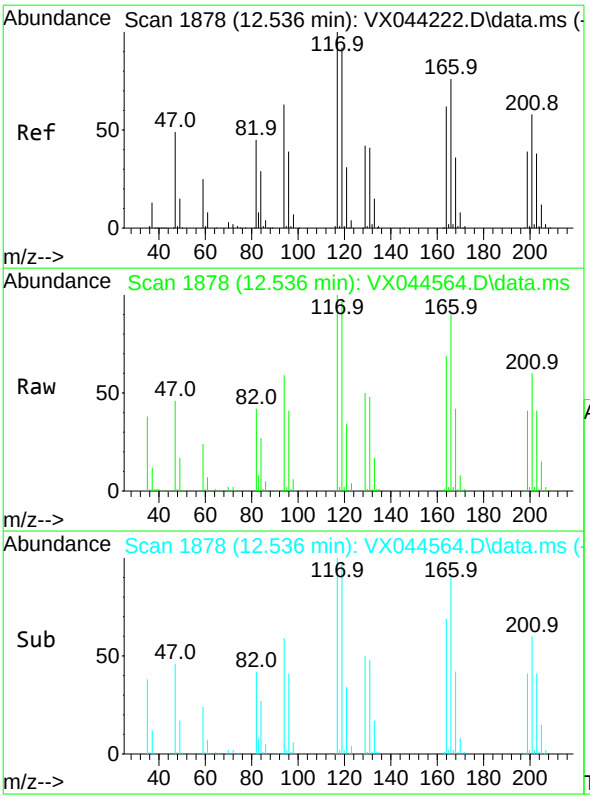


#89
n-Butylbenzene
Concen: 48.630 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 91 Resp: 230239

Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.6	79.7
134	25.7	12.6	37.8





#90
Hexachloroethane
Concen: 51.438 ug/l
RT: 12.536 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

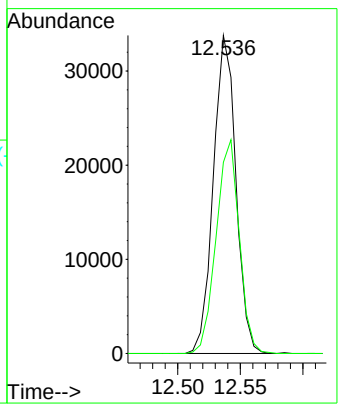
Tgt Ion:117 Resp: 42277

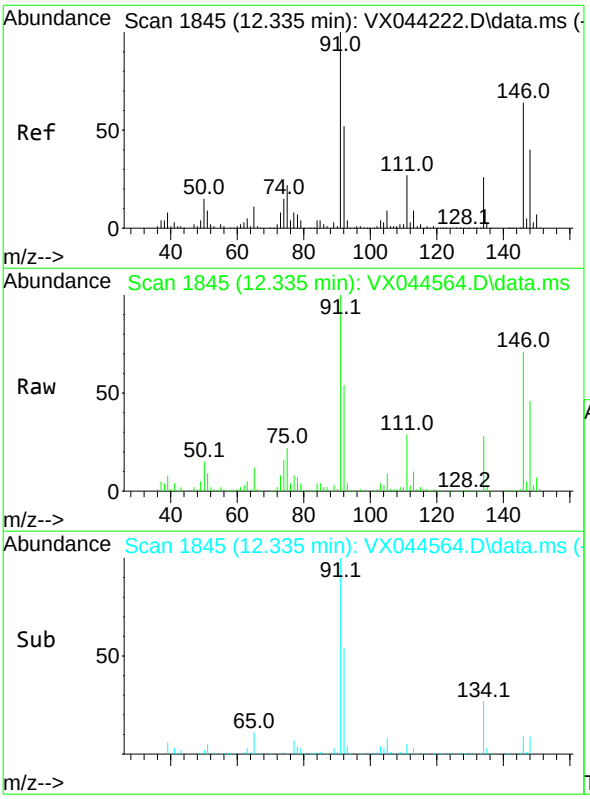
Ion	Ratio	Lower	Upper
117	100		
201	68.9	31.4	94.2

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

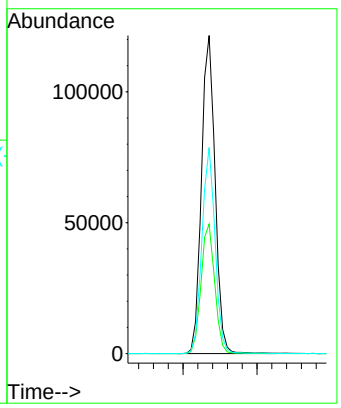


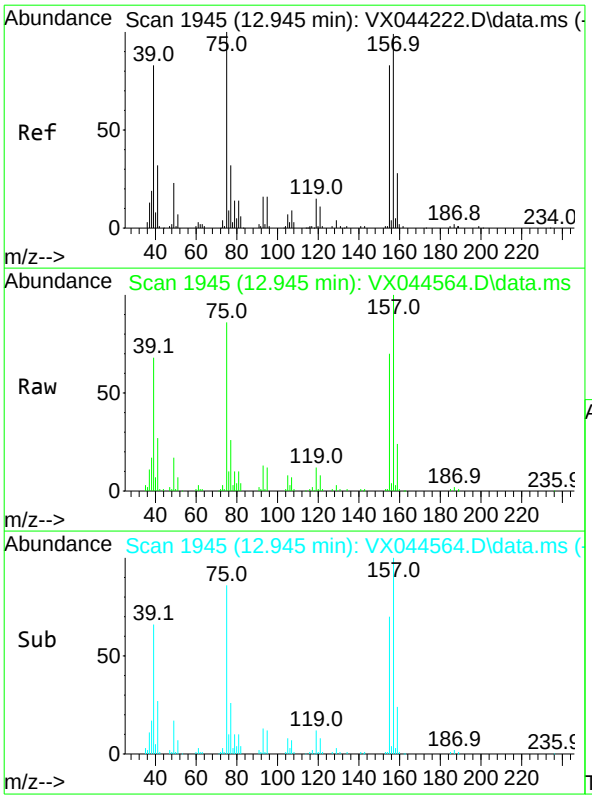


#91
1,2-Dichlorobenzene
Concen: 51.930 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:146 Resp: 155295

Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.4	64.3
148	62.7	31.6	95.0





#92
1,2-Dibromo-3-Chloropropane
Concen: 49.400 ug/l
RT: 12.945 min Scan# 19
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

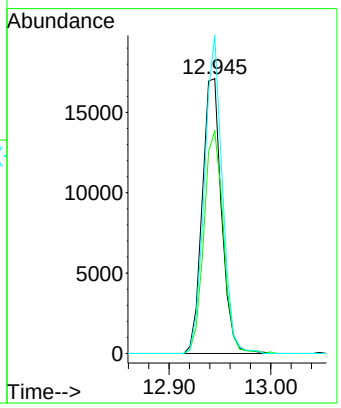
Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

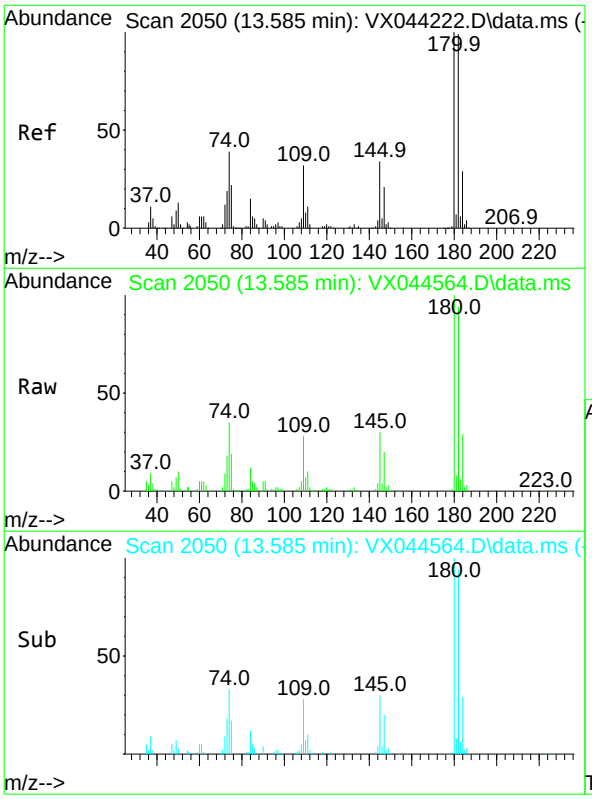
Tgt Ion: 75 Resp: 22647

Ion	Ratio	Lower	Upper
75	100		
155	81.5	38.1	114.3
157	106.5	47.2	141.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

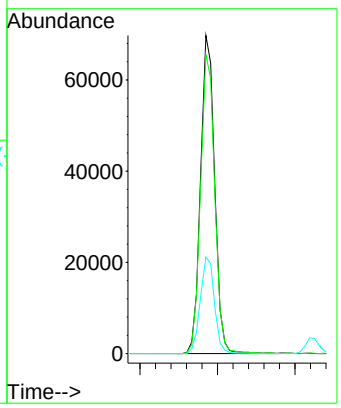


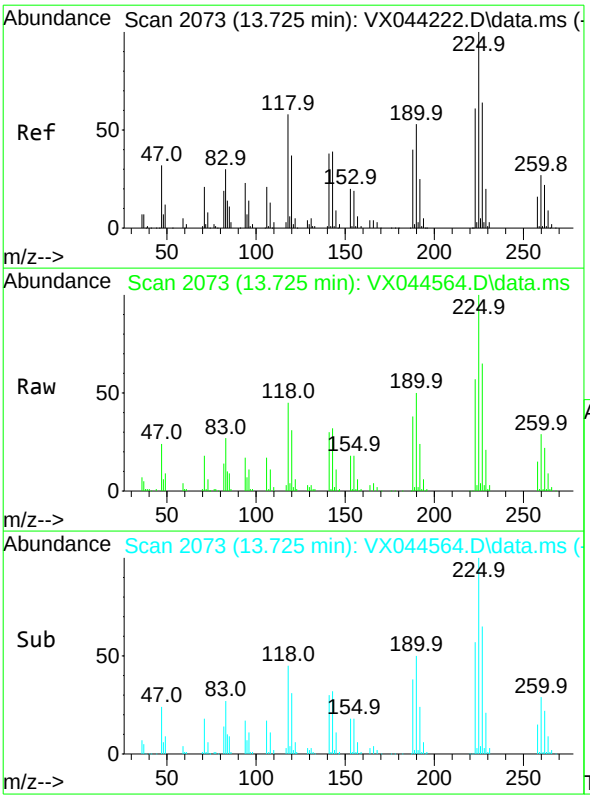


#93
1,2,4-Trichlorobenzene
Concen: 53.689 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:180 Resp: 88022

Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.0	144.2
145	30.4	16.6	49.7





#94
Hexachlorobutadiene
Concen: 54.065 ug/l
RT: 13.725 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

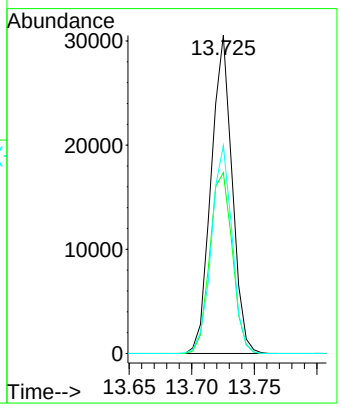
Tgt Ion:225 Resp: 35654

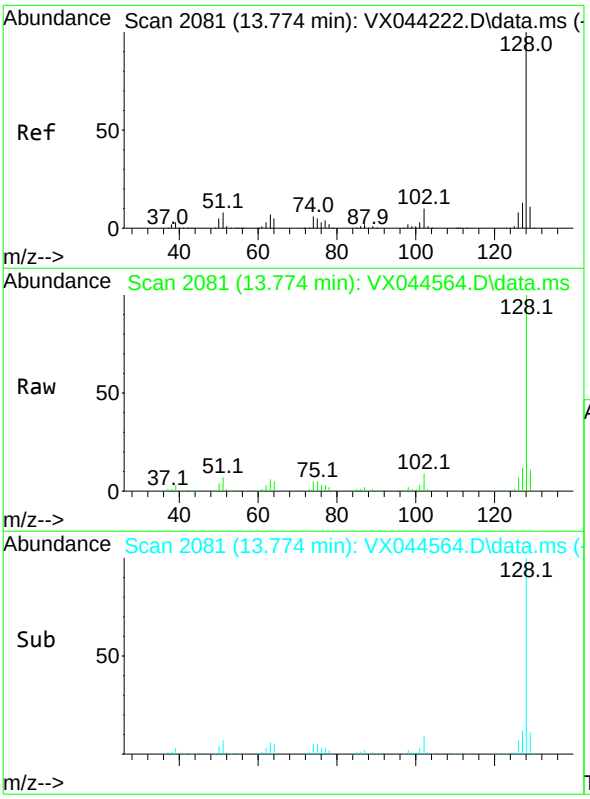
Ion	Ratio	Lower	Upper
225	100		
223	60.9	30.8	92.4
227	64.3	32.1	96.3

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

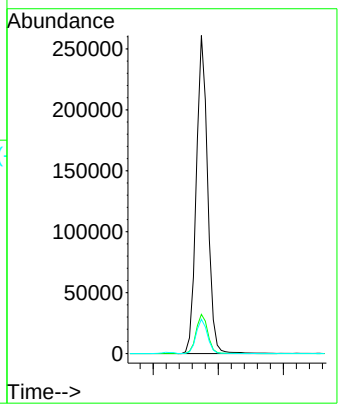


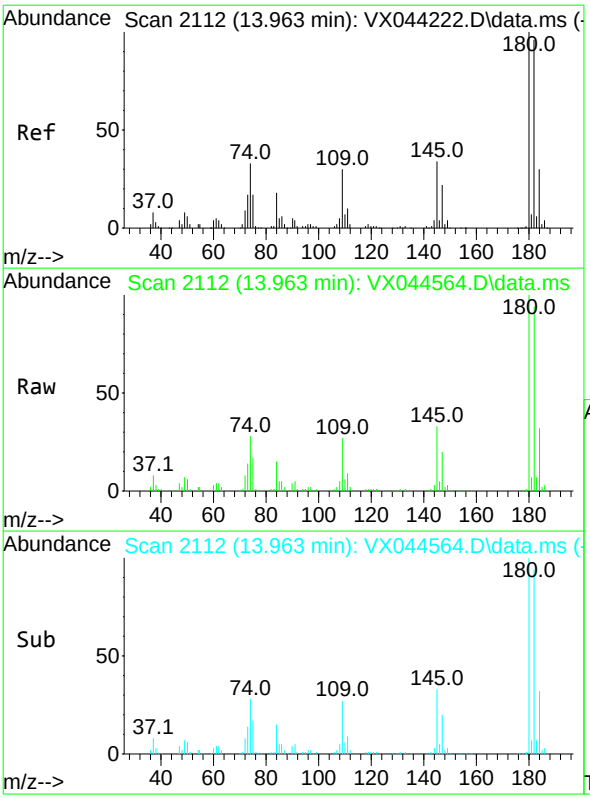


#95
Naphthalene
Concen: 49.310 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:128 Resp: 315564

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	10.8	9.0	13.4

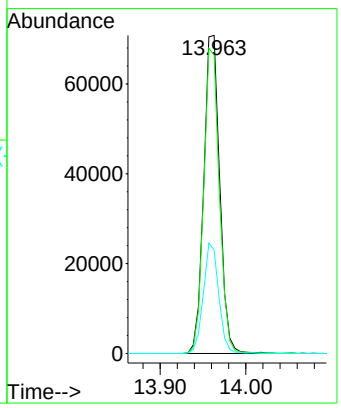




#96
1,2,3-Trichlorobenzene
Concen: 52.698 ug/l
RT: 13.963 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:180 Resp: 91638

Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.0	144.0
145	33.6	17.7	53.1



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Raw Data: **VX044565.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW10-MW01S-20241218MSD	SDG No.:	P5376
Lab Sample ID:	P5376-09MSD	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044565.D	1		12/30/24 23:31	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	47.2		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	47.1		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	47.8		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	45.9		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	52.8		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	43.2		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	51.3		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	52.8		0.26	0.75	1.00	ug/L
67-64-1	Acetone	230		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	48.4		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	49.6		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	48.6		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	51.9		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	51.6		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	51.6		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	46.4		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	250		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	53.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	50.8		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	45.1		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	50.3		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	51.4		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	50.4		0.19	0.50	1.00	ug/L
71-43-2	Benzene	54.7		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	52.5		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	54.6		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	50.9		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	57.3		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	270		0.75	2.50	5.00	ug/L
108-88-3	Toluene	54.2		0.18	0.50	1.00	ug/L

Raw Data: **VX044565.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW10-MW01S-20241218MSD	SDG No.:	P5376
Lab Sample ID:	P5376-09MSD	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044565.D	1		12/30/24 23:31	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	50.0		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	53.9		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	57.8		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	280		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	53.8		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	57.0		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	51.8		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	54.6		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	52.4		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	110		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	54.6		0.14	0.50	1.00	ug/L
100-42-5	Styrene	56.7		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	56.7		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	52.8		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	52.7		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	55.2		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	53.3		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	53.9		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	52.2		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	57.3		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	57.5		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.1		81 - 118		90%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	51.6		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	117000	5.55				
540-36-3	1,4-Difluorobenzene	204000	6.757				
3114-55-4	Chlorobenzene-d5	185000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	88900	12.024				

Raw Data: **VX044565.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	12/18/24
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	12/20/24
Client Sample ID:	RW10-MW01S-20241218MSD	SDG No.:	P5376
Lab Sample ID:	P5376-09MSD	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044565.D	1		12/30/24 23:31	VX123124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Sample Results: **VX044565.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044565.D
Acq On : 30 Dec 2024 23:31
Operator : JC/MD
Sample : P5376-09MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 31 00:42:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	117366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	203568	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185270	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92706	45.051	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.100%			
35) Dibromofluoromethane	5.379	113	73572	52.183	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.360%			
50) Toluene-d8	8.647	98	245485	51.610	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.220%			
62) 4-Bromofluorobenzene	11.079	95	90330	54.348	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	85623	47.181	ug/l	96
3) Chloromethane	1.294	50	81656	47.052	ug/l	99
4) Vinyl Chloride	1.374	62	86477	47.831	ug/l	99
5) Bromomethane	1.593	94	58899	45.920	ug/l	100
6) Chloroethane	1.660	64	59438	52.796	ug/l	97
7) Trichlorofluoromethane	1.867	101	152903	43.199	ug/l	100
8) Diethyl Ether	2.136	74	62872	52.039	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	73413	51.257	ug/l	95
10) Methyl Iodide	2.440	142	102991	54.560	ug/l	96
11) Tert butyl alcohol	2.995	59	75264	259.514	ug/l	97
12) 1,1-Dichloroethene	2.306	96	69520	52.846	ug/l	94
13) Acrolein	2.239	56	115847	275.949	ug/l	98
14) Allyl chloride	2.654	41	110354	50.363	ug/l	98
15) Acrylonitrile	3.068	53	215410	268.135	ug/l	97
16) Acetone	2.386	43	195287	232.779	ug/l	99
17) Carbon Disulfide	2.501	76	121076	48.418	ug/l	99
18) Methyl Acetate	2.709	43	105030	48.556	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	254833	49.640	ug/l	100
20) Methylene Chloride	2.782	84	81705	51.852	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	72101	51.570	ug/l	97
22) Diisopropyl ether	3.763	45	250548	50.778	ug/l	98
23) Vinyl Acetate	3.721	43	959197	239.112	ug/l	100
24) 1,1-Dichloroethane	3.605	63	141873	51.582	ug/l	99
25) 2-Butanone	4.562	43	301393	252.705	ug/l	99
26) 2,2-Dichloropropane	4.465	77	90082	40.316	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	90287	50.847	ug/l	94
28) Bromochloromethane	4.897	49	60861	45.126	ug/l	92
29) Tetrahydrofuran	5.007	42	191435	250.067	ug/l	99
30) Chloroform	5.086	83	155478	50.313	ug/l	99
31) Cyclohexane	5.464	56	103050	46.398	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	131822	51.390	ug/l	99
36) 1,1-Dichloropropene	5.690	75	91272	50.081	ug/l	97
37) Ethyl Acetate	4.721	43	112201	49.805	ug/l	100
38) Carbon Tetrachloride	5.672	117	105515	53.777	ug/l	94
39) Methylcyclohexane	7.373	83	109863	50.425	ug/l	98
40) Benzene	6.031	78	302466	54.662	ug/l	99

Sample Results: **VX044565.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044565.D
Acq On : 30 Dec 2024 23:31
Operator : JC/MD
Sample : P5376-09MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Quant Time: Dec 31 00:42:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	61771	51.637 ug/l	97
42) 1,2-Dichloroethane	6.080	62	119613	52.476 ug/l	97
43) Isopropyl Acetate	6.342	43	178954	50.823 ug/l	99
44) Trichloroethene	7.123	130	75397	54.641 ug/l	99
45) 1,2-Dichloropropane	7.427	63	71931	50.882 ug/l	98
46) Dibromomethane	7.574	93	60376	55.051 ug/l	92
47) Bromodichloromethane	7.824	83	108492	57.278 ug/l	97
48) Methyl methacrylate	7.696	41	89847	52.566 ug/l	96
49) 1,4-Dioxane	7.665	88	27843	982.512 ug/l #	67
51) 4-Methyl-2-Pentanone	8.574	43	610558	269.681 ug/l	99
52) Toluene	8.714	92	188284	54.185 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	101551	49.951 ug/l	94
54) cis-1,3-Dichloropropene	8.366	75	111258	53.947 ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	79785	57.797 ug/l	97
56) Ethyl methacrylate	9.116	69	120288	55.197 ug/l	97
57) 1,3-Dichloropropane	9.305	76	130926	54.489 ug/l	100
59) 2-Hexanone	9.433	43	452053	275.855 ug/l	97
60) Dibromochloromethane	9.518	129	79058	53.799 ug/l	98
61) 1,2-Dibromoethane	9.610	107	80061	56.977 ug/l	100
64) Tetrachloroethene	9.269	164	63742	51.837 ug/l	97
65) Chlorobenzene	10.079	112	216781	54.606 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	73066	57.267 ug/l	99
67) Ethyl Benzene	10.189	91	359222	52.369 ug/l	100
68) m/p-Xylenes	10.299	106	277945	110.428 ug/l	94
69) o-Xylene	10.640	106	138979	54.573 ug/l	93
70) Styrene	10.652	104	231579	56.724 ug/l	96
71) Bromoform	10.799	173	51474	56.744 ug/l #	99
73) Isopropylbenzene	10.963	105	359171	52.798 ug/l	99
74) N-amyl acetate	10.841	43	146096	46.469 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	124420	52.658 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	97536m	49.159 ug/l	
77) Bromobenzene	11.195	156	91014	55.172 ug/l	93
78) n-propylbenzene	11.305	91	391289	52.041 ug/l	97
79) 2-Chlorotoluene	11.360	91	241758	49.718 ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	290256	51.451 ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	29615	43.578 ug/l	99
82) 4-Chlorotoluene	11.451	91	272161	50.544 ug/l	98
83) tert-Butylbenzene	11.713	119	302779	54.308 ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	292868	52.861 ug/l	99
85) sec-Butylbenzene	11.890	105	353700	52.258 ug/l	98
86) p-Isopropyltoluene	12.006	119	300454	53.335 ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	159178	55.241 ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	157882	53.300 ug/l	96
89) n-Butylbenzene	12.329	91	243147	51.330 ug/l	100
90) Hexachloroethane	12.536	117	46484	56.528 ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	161181	53.871 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	23931	52.174 ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	94053	57.338 ug/l	98
94) Hexachlorobutadiene	13.725	225	38792	58.794 ug/l	99
95) Naphthalene	13.774	128	335035	52.326 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	100100	57.535 ug/l	98

Sample Results: **VX044565.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044565.D
Acq On : 30 Dec 2024 23:31
Operator : JC/MD
Sample : P5376-09MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Quant Time: Dec 31 00:42:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Sample Results: **VX044565.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044565.D
Acq On : 30 Dec 2024 23:31
Operator : JC/MD
Sample : P5376-09MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 31 00:42:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 12/31/2024
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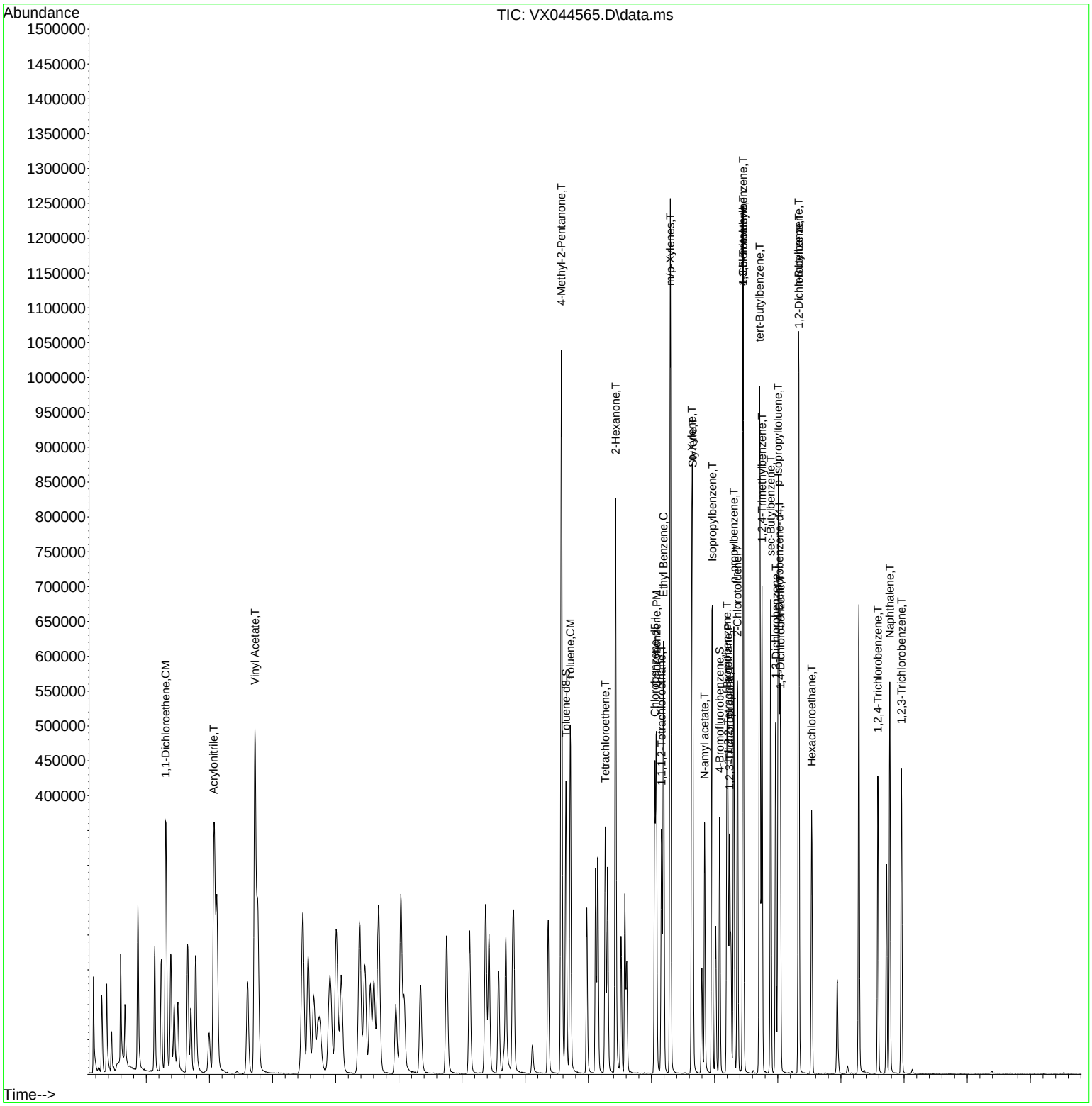

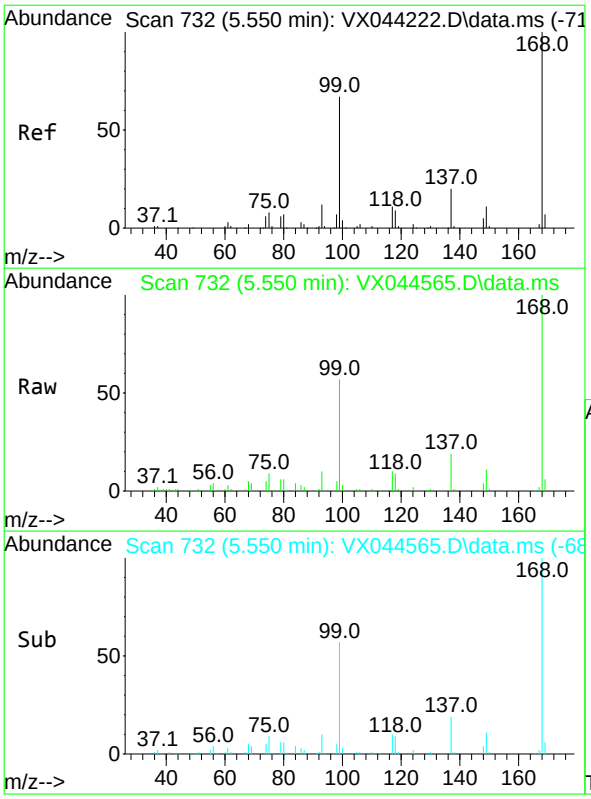

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:168 Resp: 117366

Ion	Ratio	Lower	Upper
168	100		
99	56.5	53.4	80.0

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 12/31/2024
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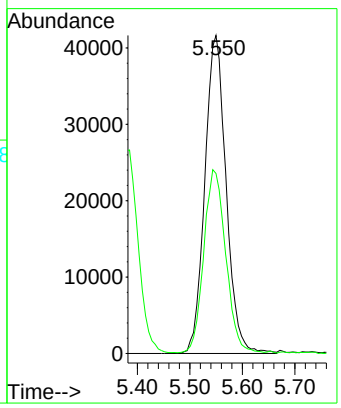
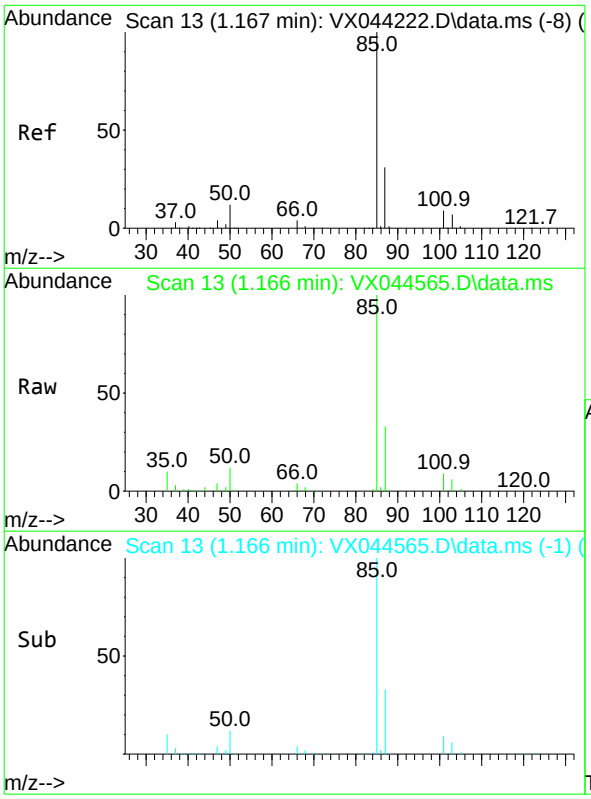
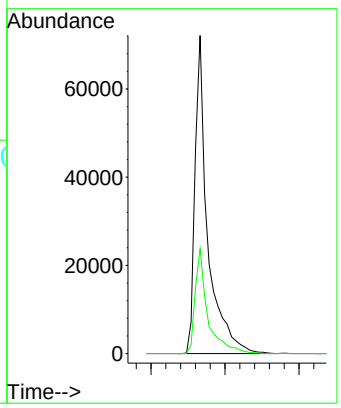


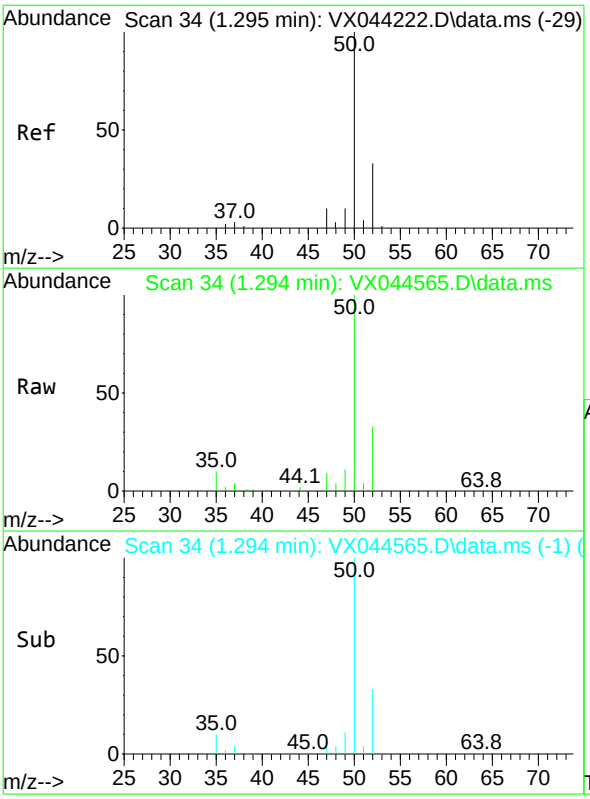


#2
Dichlorodifluoromethane
Concen: 47.181 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 85 Resp: 85623

Ion	Ratio	Lower	Upper
85	100		
87	33.0	15.4	46.4





#3
Chloromethane
Concen: 47.052 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

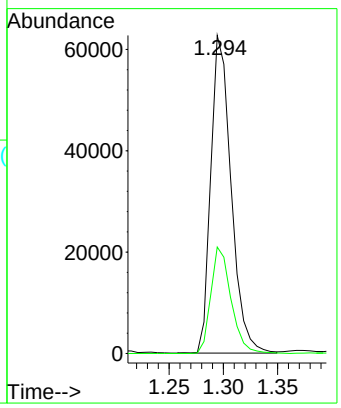
Tgt Ion: 50 Resp: 81656

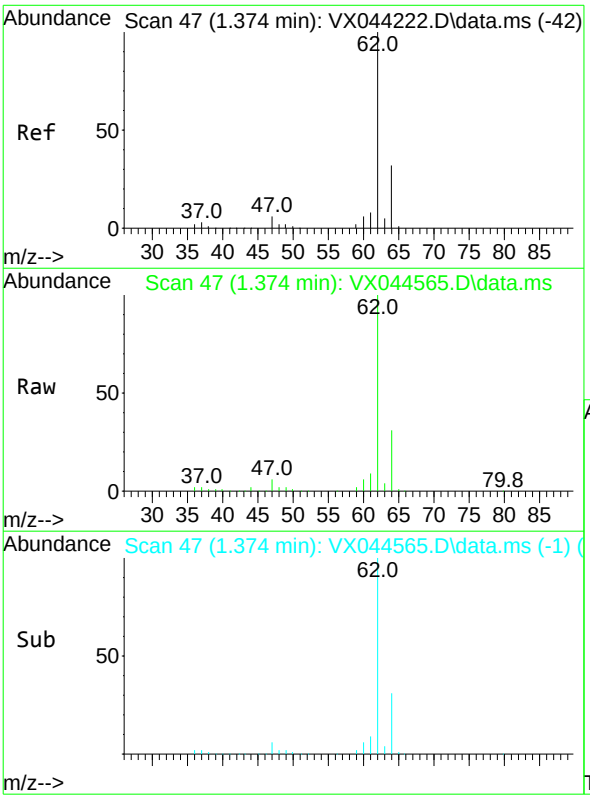
Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

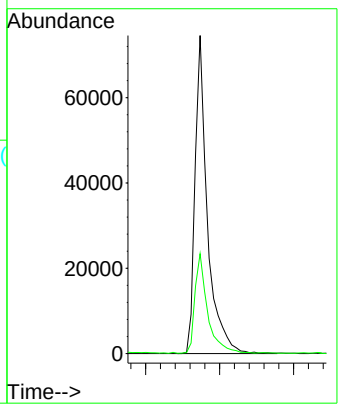


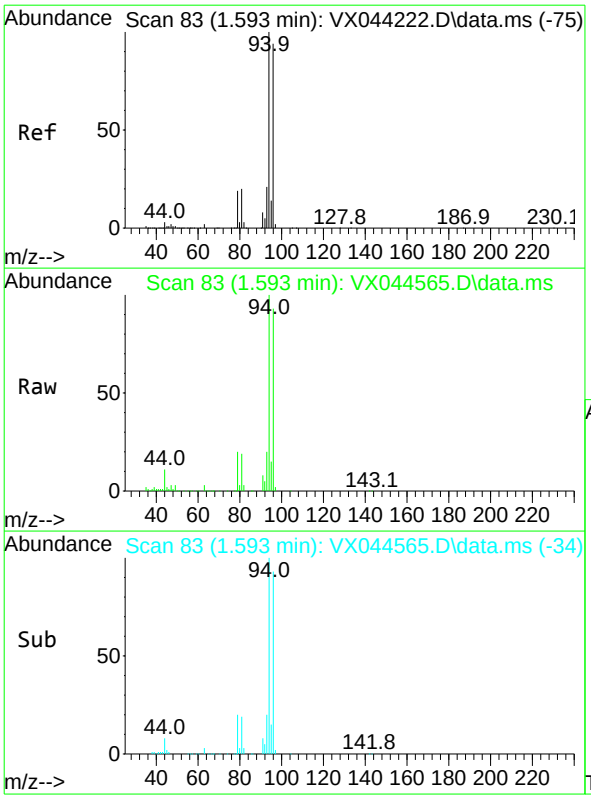


#4
Vinyl Chloride
Concen: 47.831 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 62 Resp: 86477

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.7	38.5





#5
Bromomethane
Concen: 45.920 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

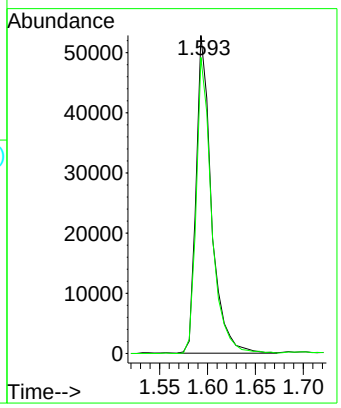
Tgt Ion: 94 Resp: 58899

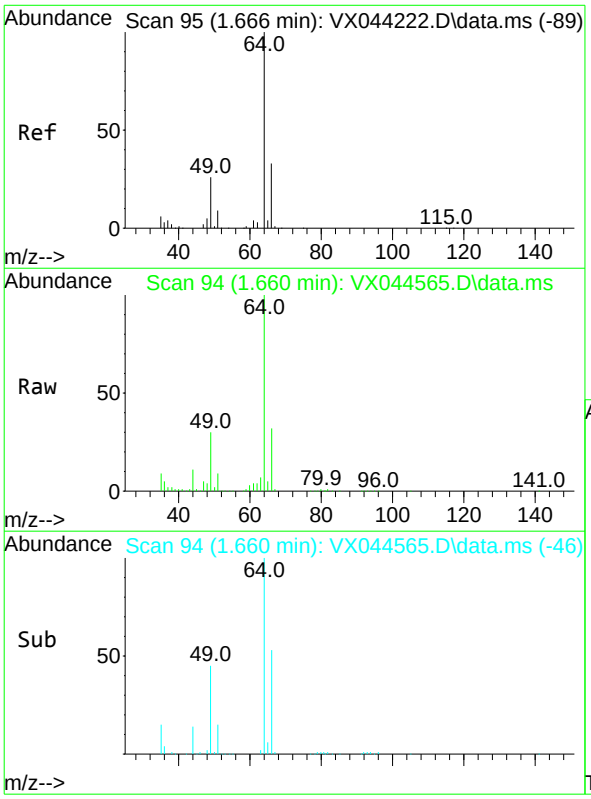
Ion	Ratio	Lower	Upper
94	100		
96	93.2	74.9	112.3

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

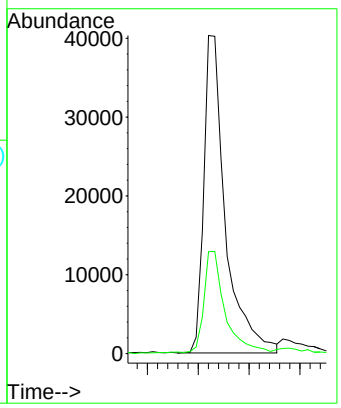


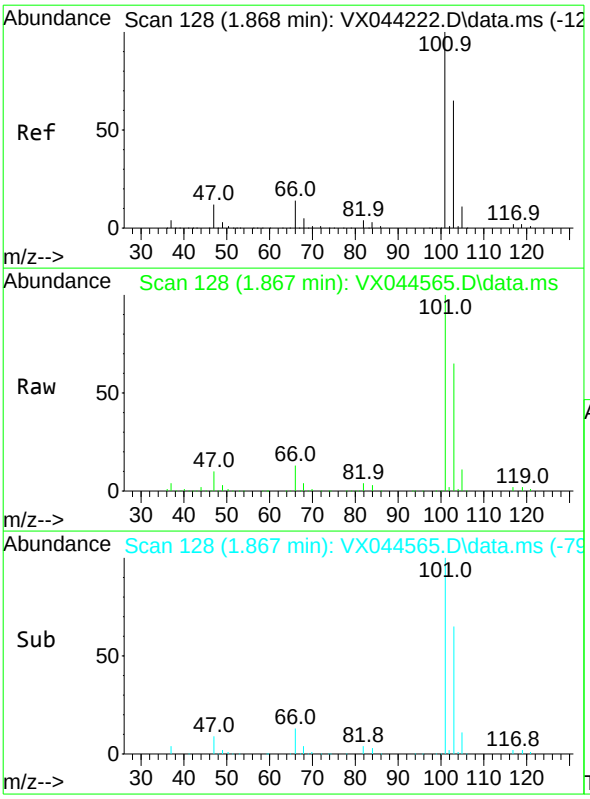


#6
Chloroethane
Concen: 52.796 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 64 Resp: 59438

Ion	Ratio	Lower	Upper
64	100		
66	31.6	26.6	39.8





#7
Trichlorofluoromethane
Concen: 43.199 ug/l
RT: 1.867 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

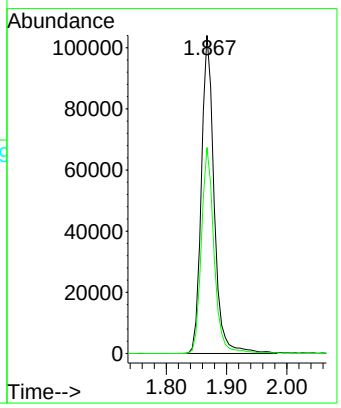
Tgt Ion:101 Resp: 152903

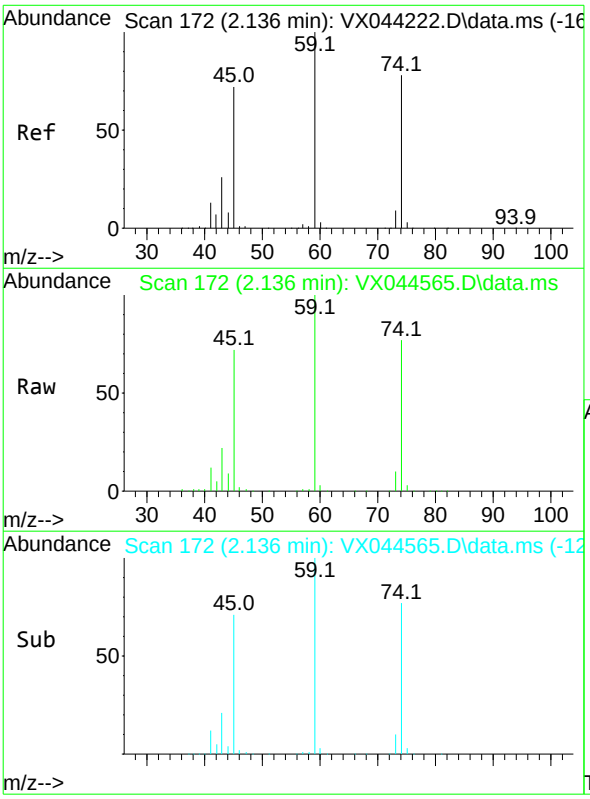
Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.8	77.8

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

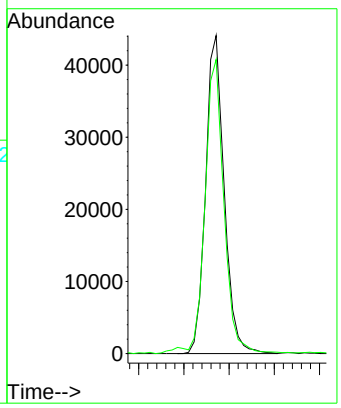


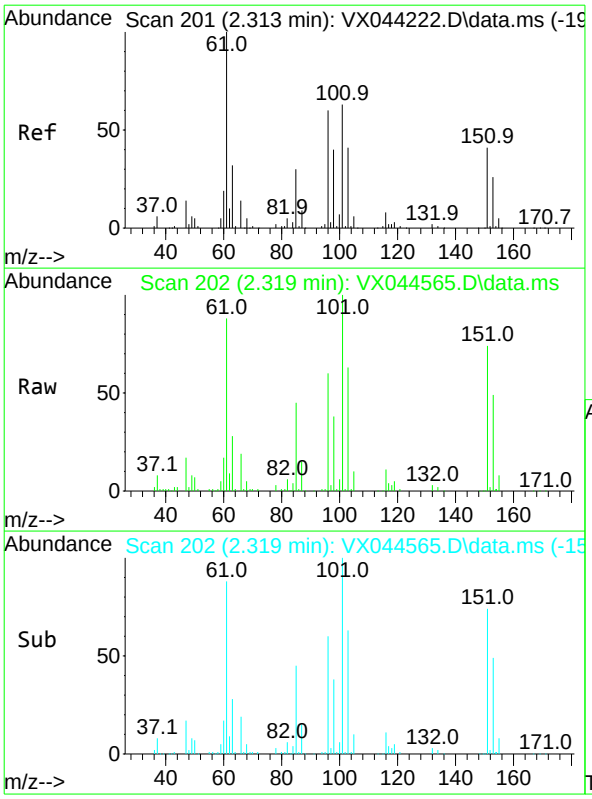


#8
Diethyl Ether
Concen: 52.039 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 74 Resp: 62872

Ion	Ratio	Lower	Upper
74	100		
45	94.9	48.4	145.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.257 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:101 Resp: 73413

Ion	Ratio	Lower	Upper
101	100		
85	45.0	38.5	57.7
151	73.8	55.8	83.6

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
APPROVED

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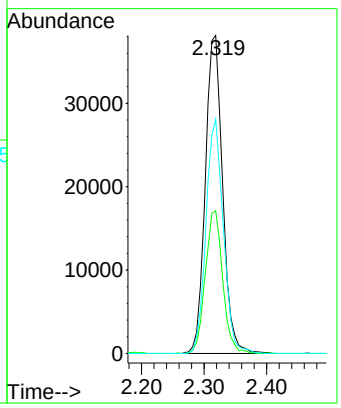
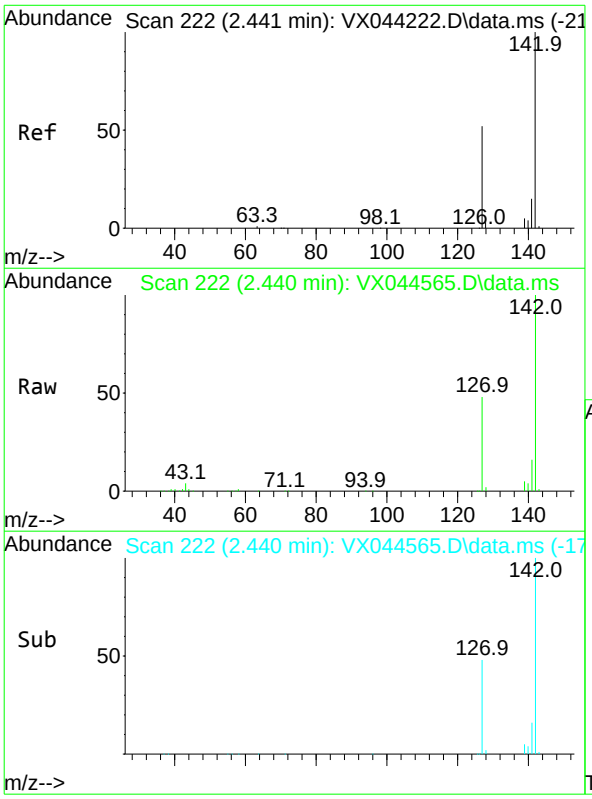
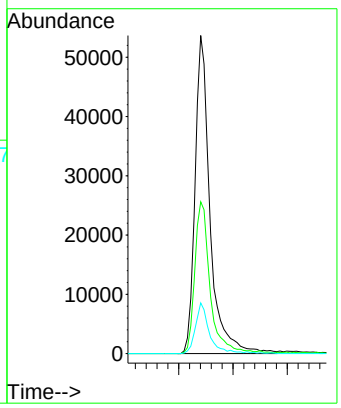


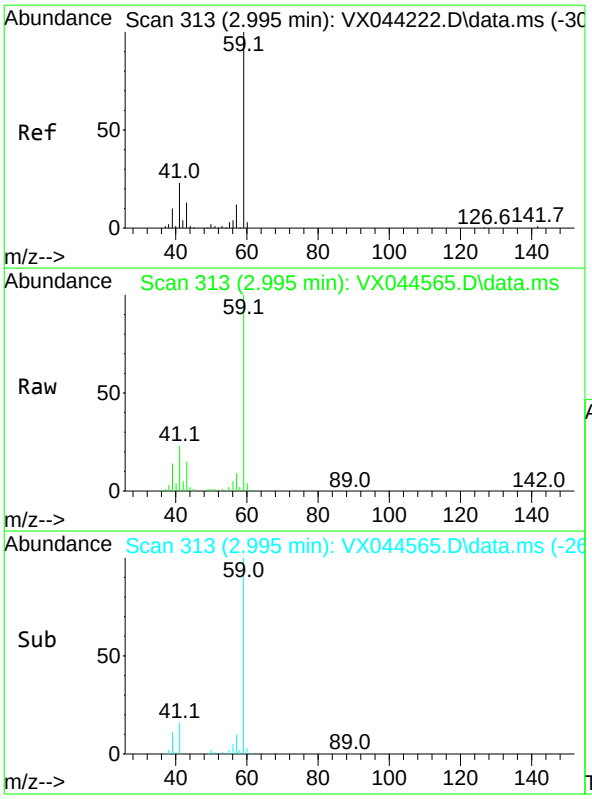


#10
Methyl Iodide
Concen: 54.560 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:142 Resp: 102991

Ion	Ratio	Lower	Upper
142	100		
127	48.7	41.8	62.8
141	14.6	11.5	17.3





#11
Tert butyl alcohol
Concen: 259.514 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 59 Resp: 75264

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.8	13.2

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
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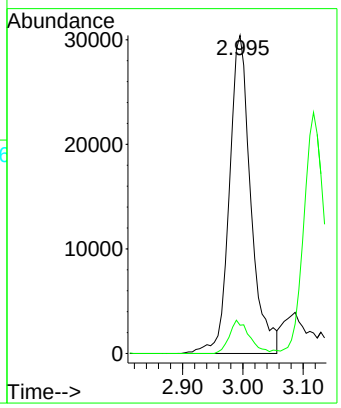
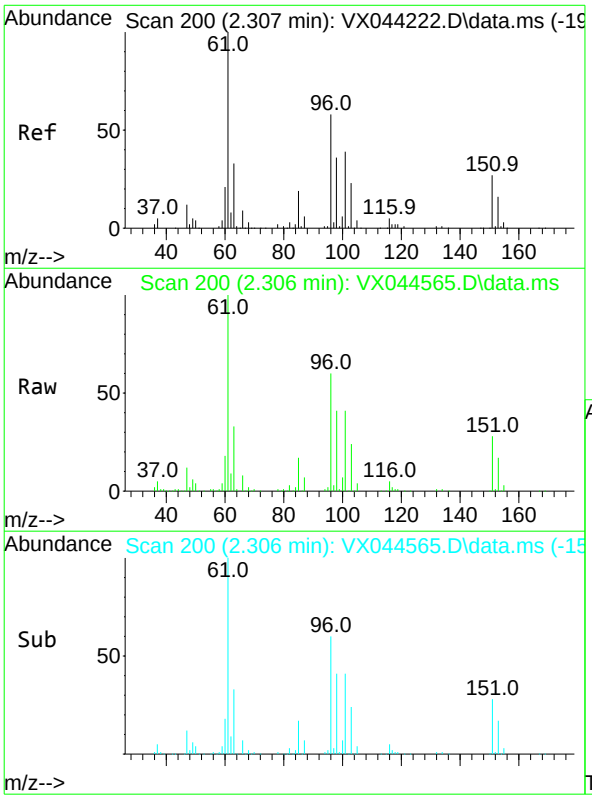
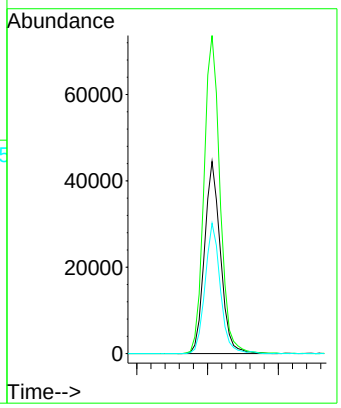


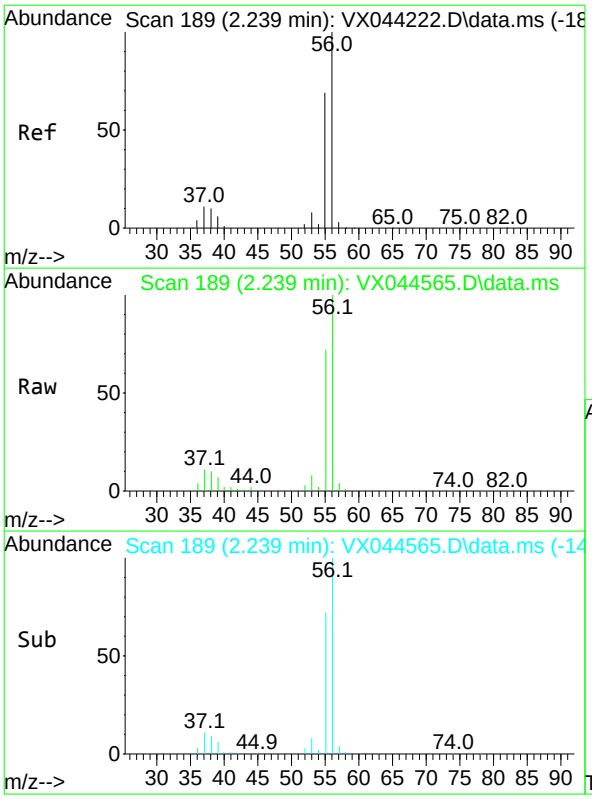


#12
1,1-Dichloroethene
Concen: 52.846 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 96 Resp: 69520

Ion	Ratio	Lower	Upper
96	100		
61	165.5	138.0	207.0
98	67.8	50.0	75.0





#13
Acrolein
Concen: 275.949 ug/l
RT: 2.239 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 56 Resp: 115847

Ion	Ratio	Lower	Upper
56	100		
55	72.2	56.6	84.8

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
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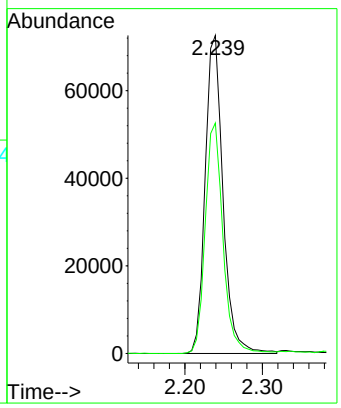
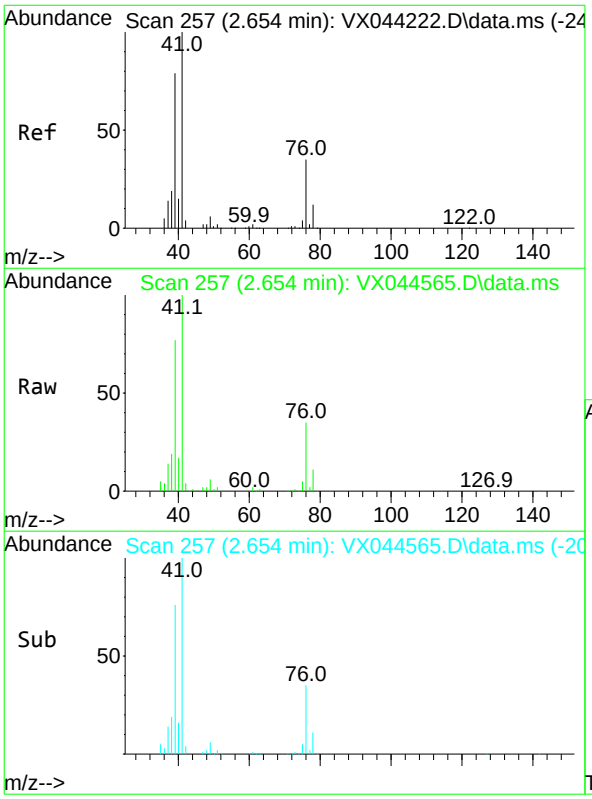
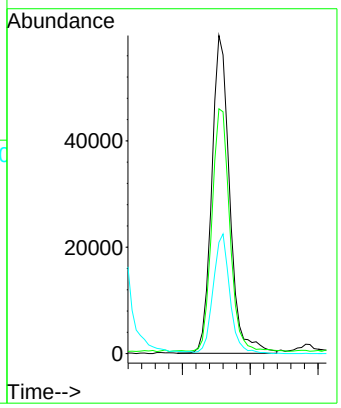


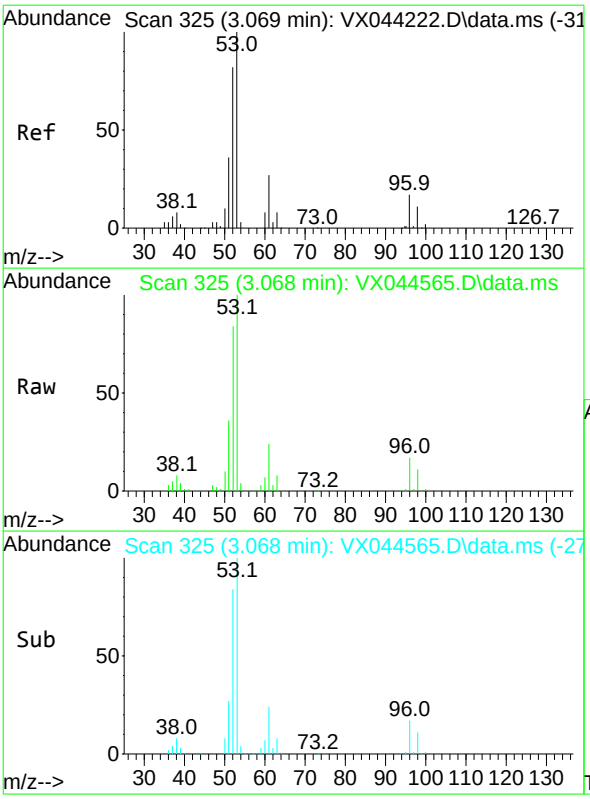


#14
Allyl chloride
Concen: 50.363 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 41 Resp: 110354

Ion	Ratio	Lower	Upper
41	100		
39	75.6	61.9	92.9
76	35.0	27.4	41.2





#15
Acrylonitrile
Concen: 268.135 ug/l
RT: 3.068 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 53 Resp: 215410

Ion	Ratio	Lower	Upper
53	100		
52	81.9	67.4	101.0
51	36.0	30.3	45.5

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
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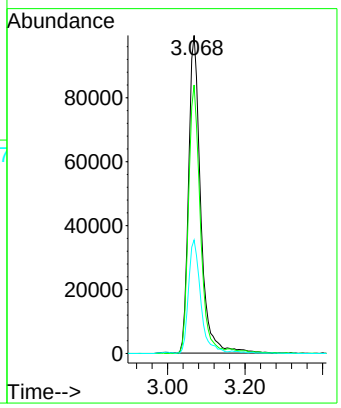
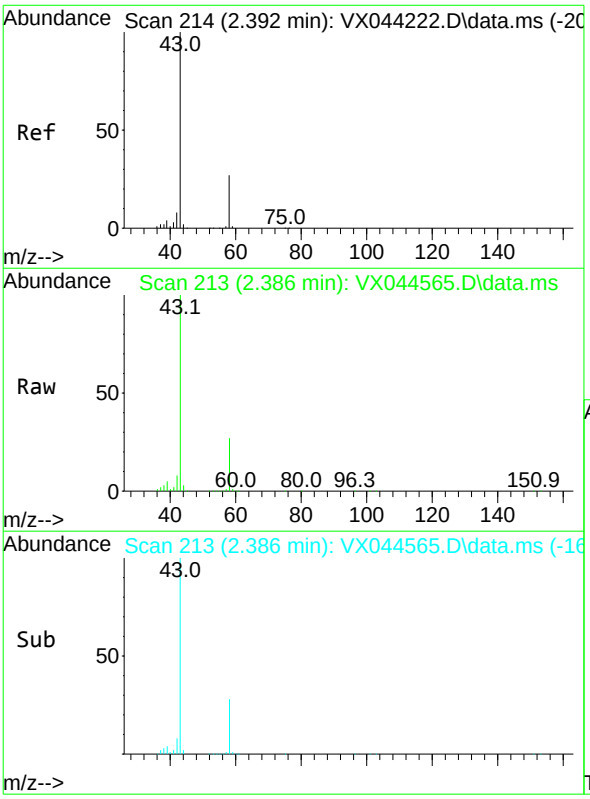
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

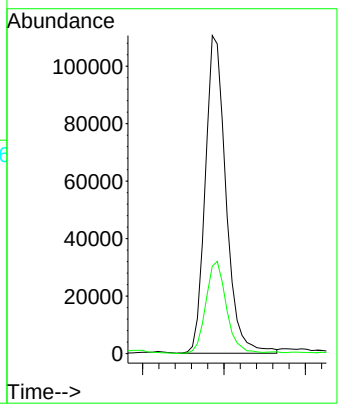


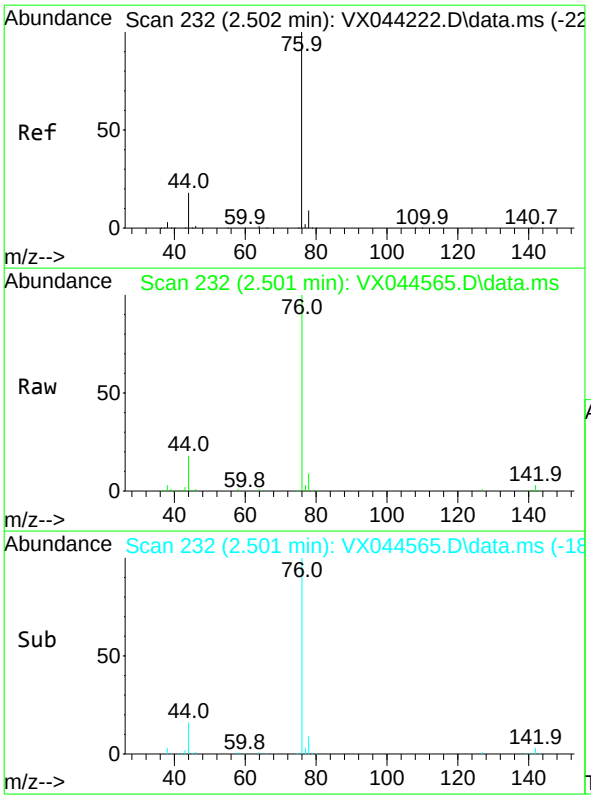


#16
Acetone
Concen: 232.779 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 43 Resp: 195287

Ion	Ratio	Lower	Upper
43	100		
58	27.5	21.6	32.4





#17
Carbon Disulfide
Concen: 48.418 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 76 Resp: 121076

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

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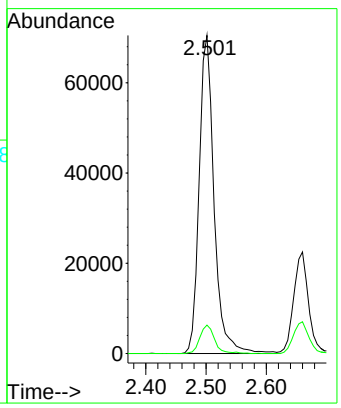
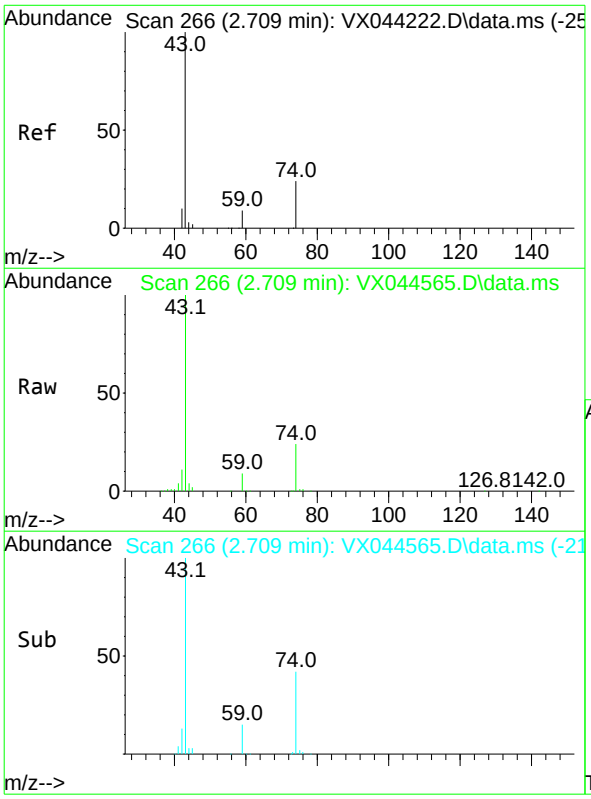
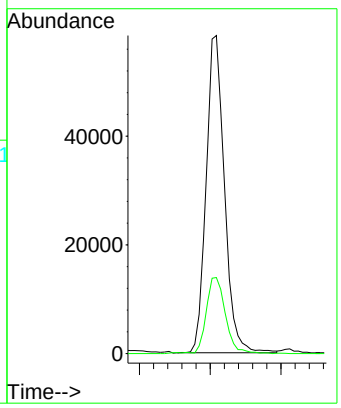


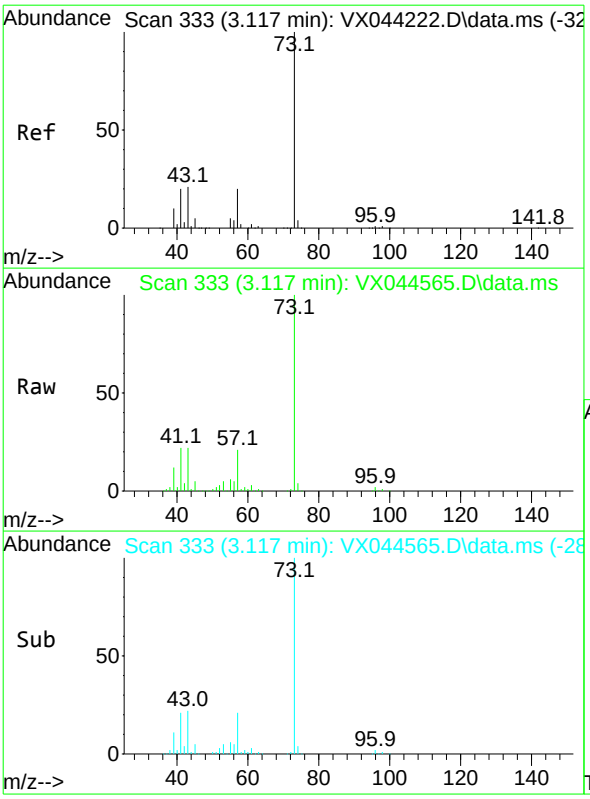


#18
Methyl Acetate
Concen: 48.556 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 43 Resp: 105030

Ion	Ratio	Lower	Upper
43	100		
74	24.9	17.7	26.5





#19
Methyl tert-butyl Ether
Concen: 49.640 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 73 Resp: 254833

Ion	Ratio	Lower	Upper
73	100		
57	20.5	16.2	24.4

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

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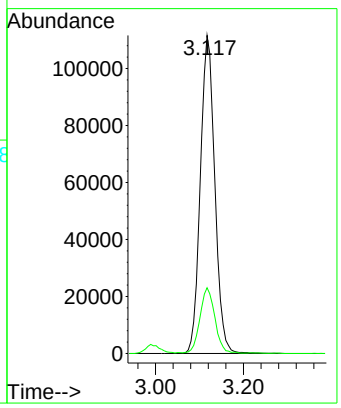
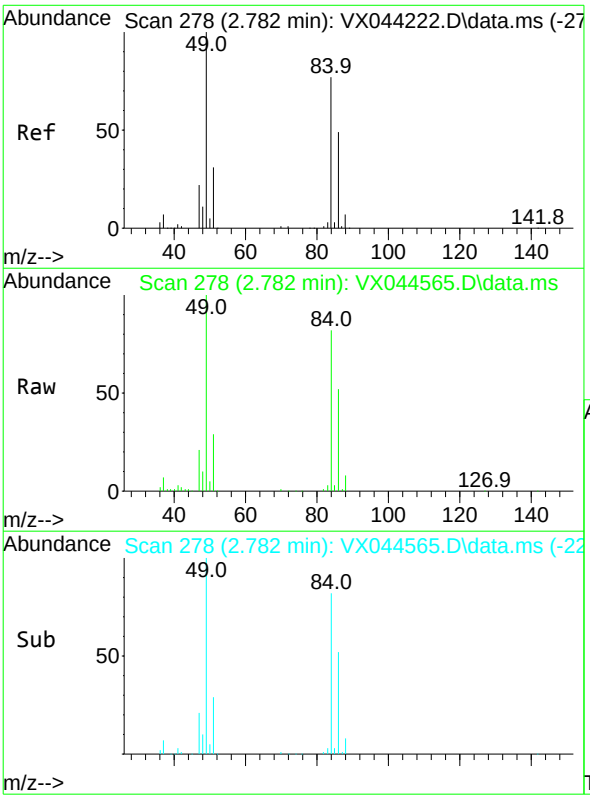
Supervised By :Mahesh Dadoda 12/31/2024

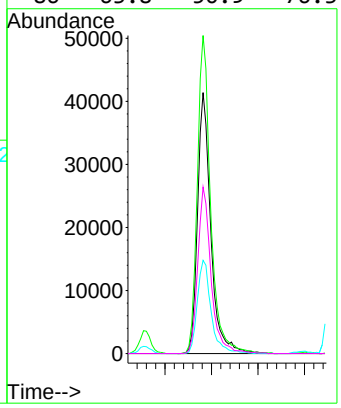


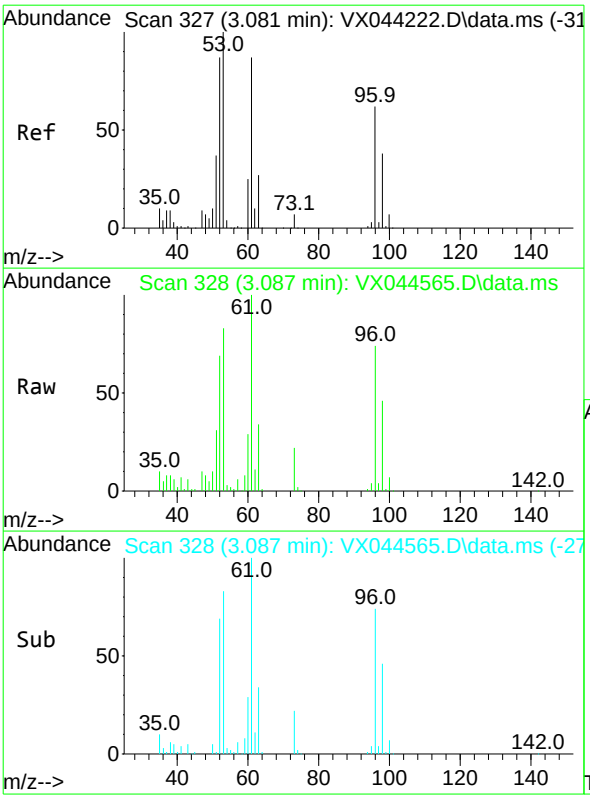


#20
Methylene Chloride
Concen: 51.852 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 84 Resp: 81705

Ion	Ratio	Lower	Upper
84	100		
49	121.9	104.2	156.4
51	35.7	32.2	48.4
86	63.8	50.9	76.3





#21
trans-1,2-Dichloroethene
Concen: 51.570 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 96 Resp: 72101

Ion	Ratio	Lower	Upper
96	100		
61	134.7	112.0	168.0
98	61.6	48.8	73.2

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

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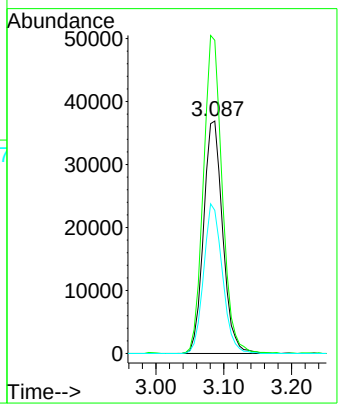
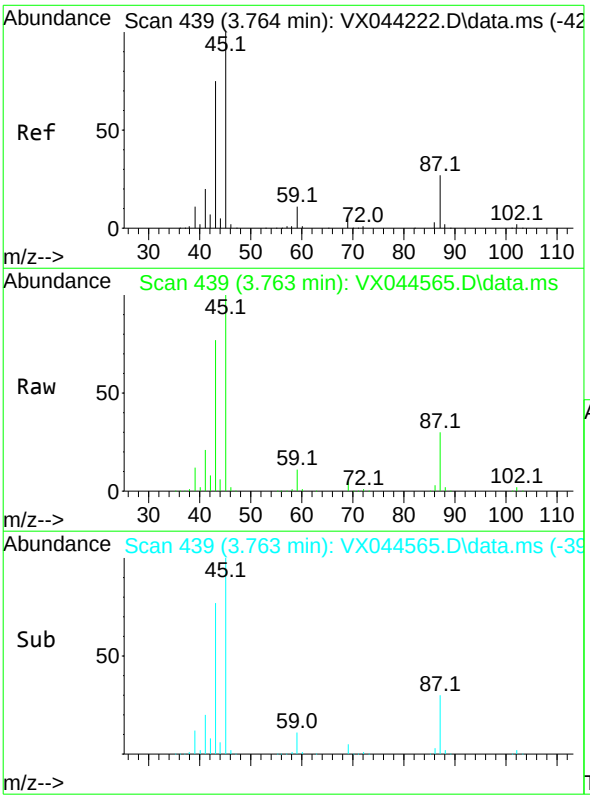
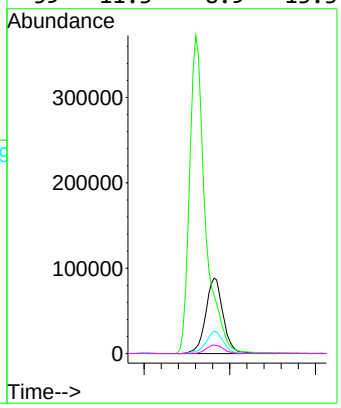


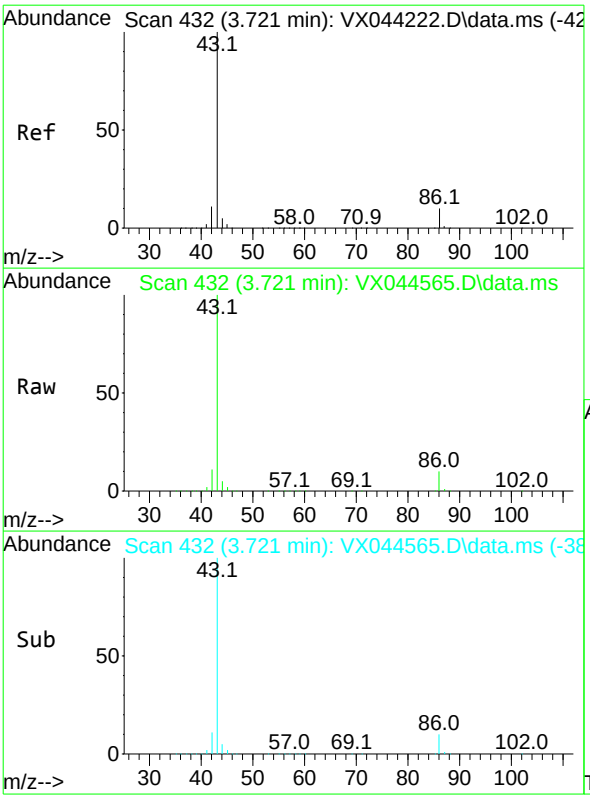


#22
Diisopropyl ether
Concen: 50.778 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 45 Resp: 250548

Ion	Ratio	Lower	Upper
45	100		
43	76.2	60.2	90.2
87	29.5	21.2	31.8
59	11.3	8.9	13.3





#23
Vinyl Acetate
Concen: 239.112 ug/l
RT: 3.721 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 43 Resp: 959197

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.2	12.2

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

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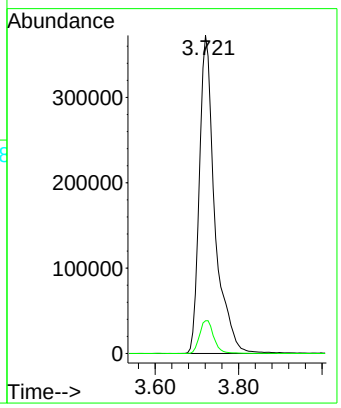
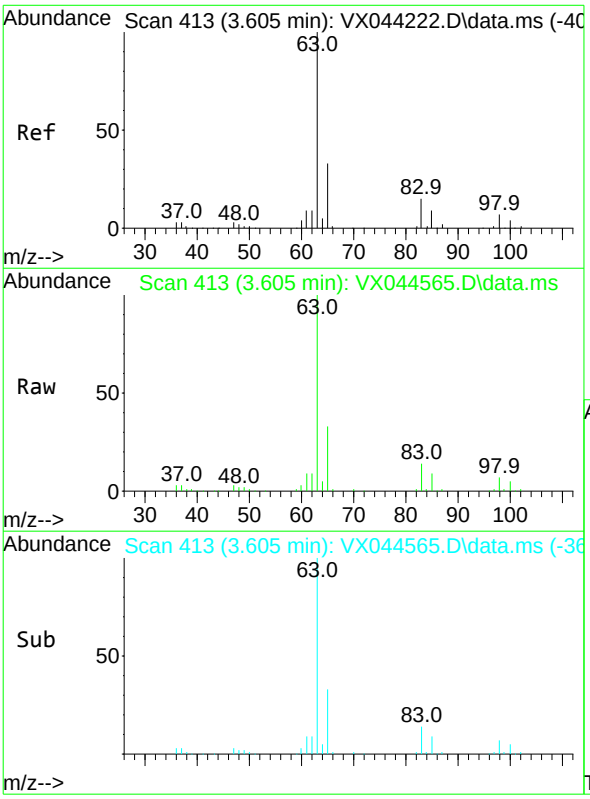
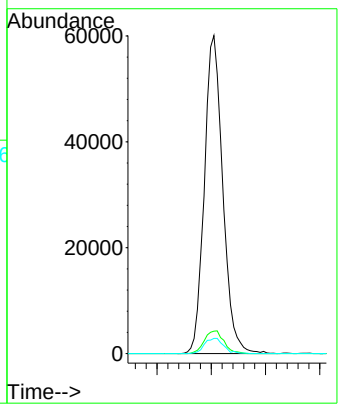


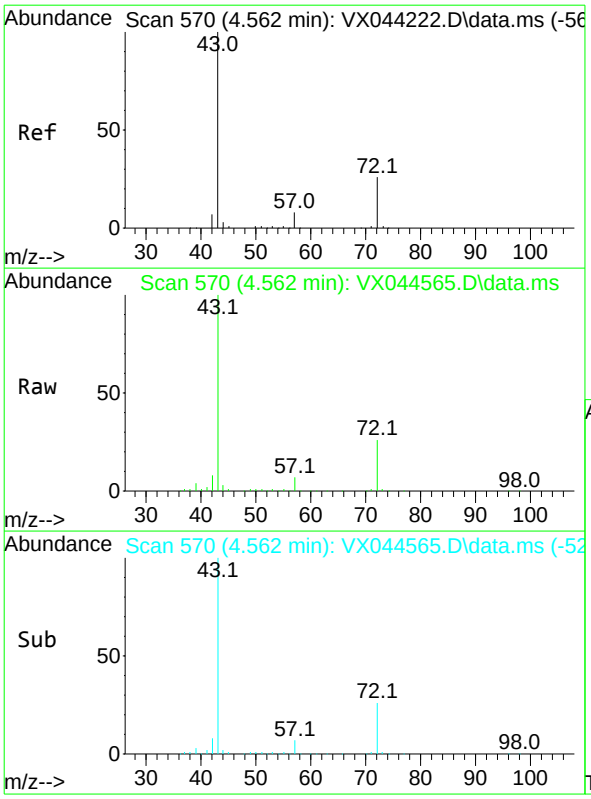


#24
1,1-Dichloroethane
Concen: 51.582 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 63 Resp: 141873

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.6	10.8
100	4.8	2.1	6.3





#25
2-Butanone
Concen: 252.705 ug/l
RT: 4.562 min Scan# 57
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 43 Resp: 301393

Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.2	30.4

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 12/31/2024
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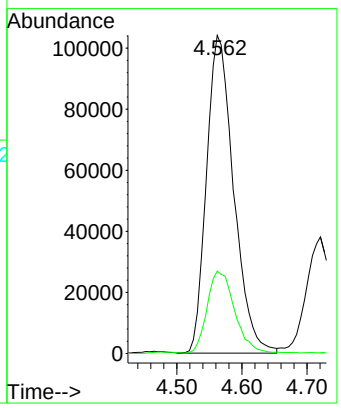
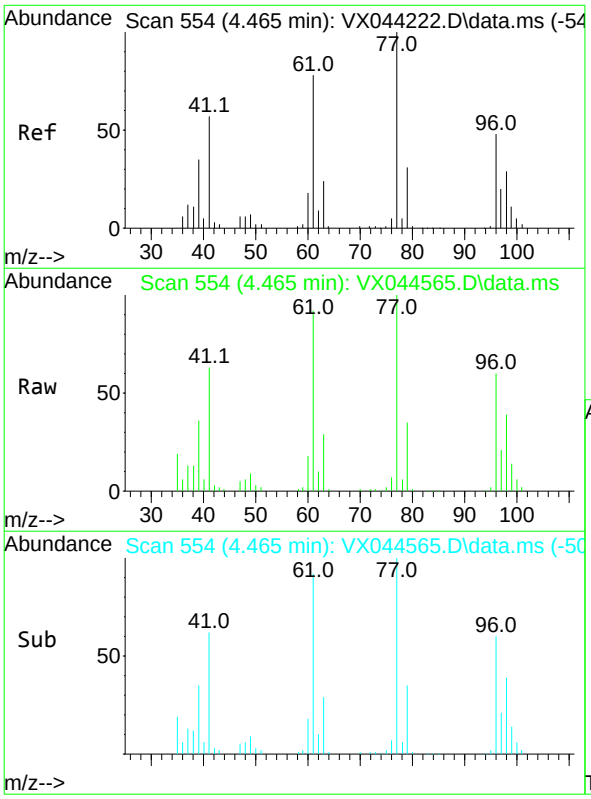
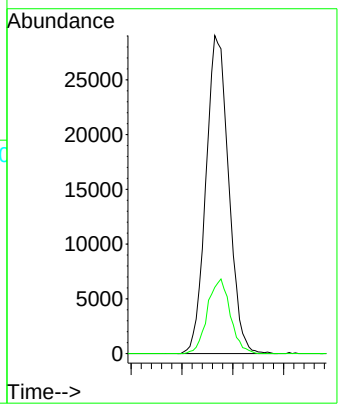


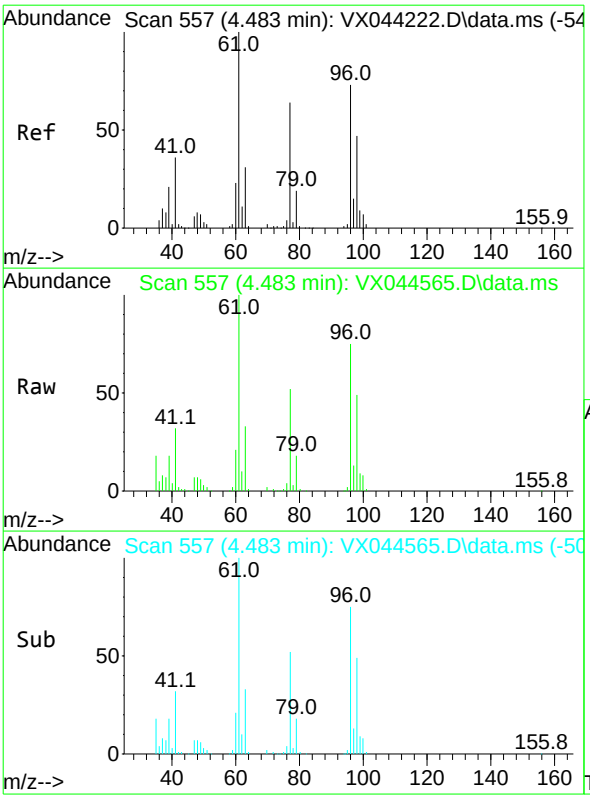


#26
2,2-Dichloropropane
Concen: 40.316 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 77 Resp: 90082

Ion	Ratio	Lower	Upper
77	100		
97	23.5	10.7	32.1





#27
cis-1,2-Dichloroethene
Concen: 50.847 ug/l
RT: 4.483 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 96 Resp: 90287

Ion	Ratio	Lower	Upper
96	100		
61	138.5	0.0	299.0
98	65.0	0.0	129.0

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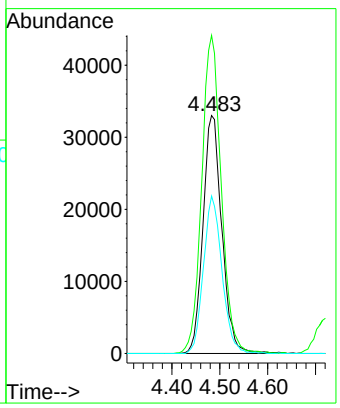
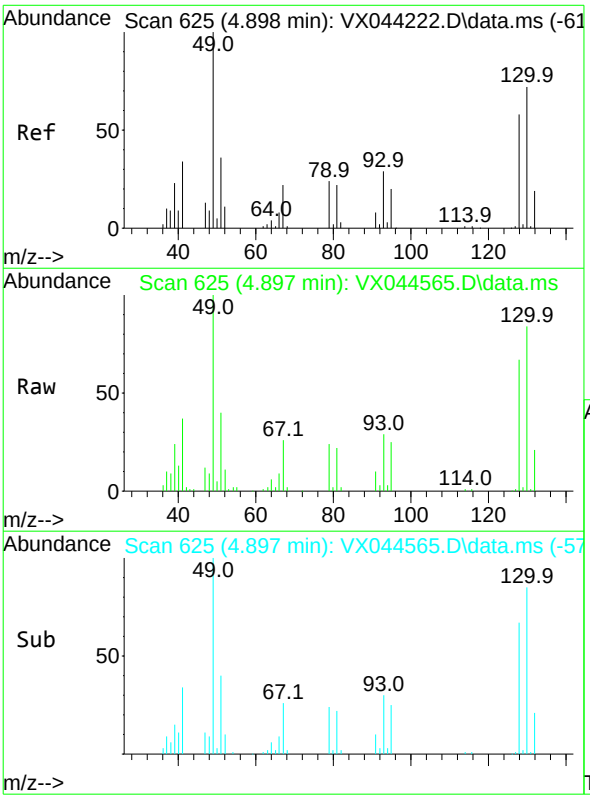
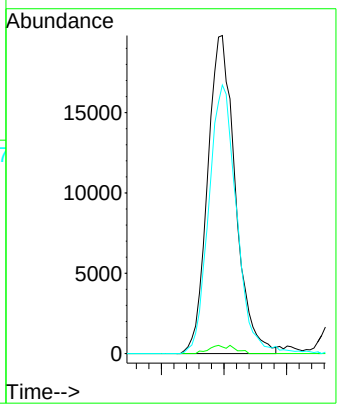


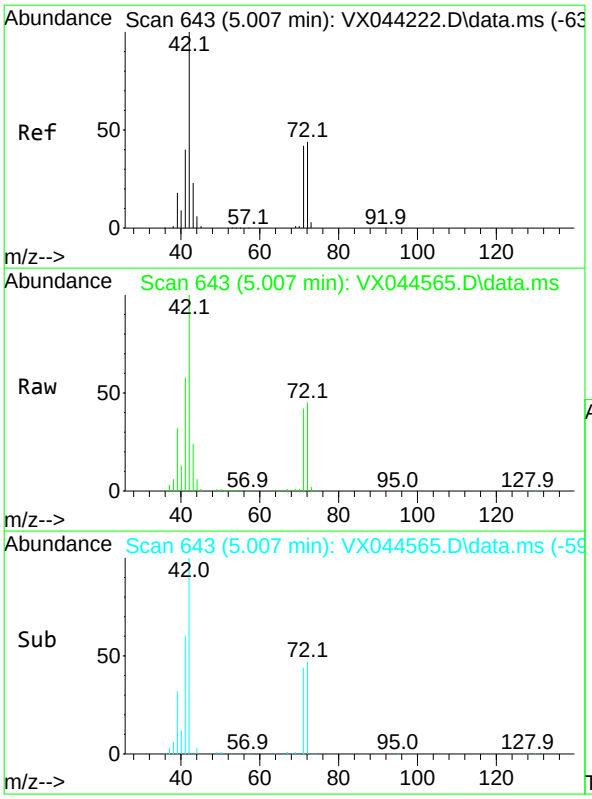


#28
Bromochloromethane
Concen: 45.126 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 49 Resp: 60861

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.2
130	85.1	62.1	93.1





#29
Tetrahydrofuran
Concen: 250.067 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 42 Resp: 191435

Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.0	55.6
71	43.2	33.6	50.4

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

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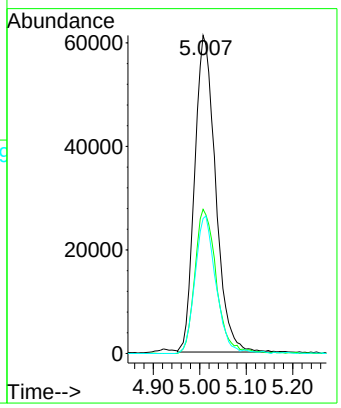
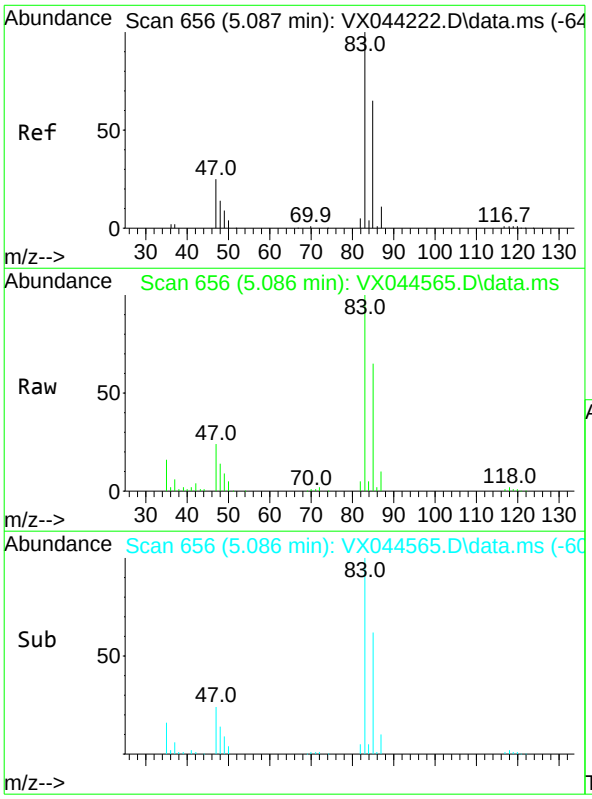
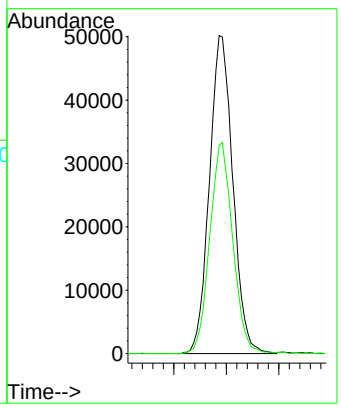


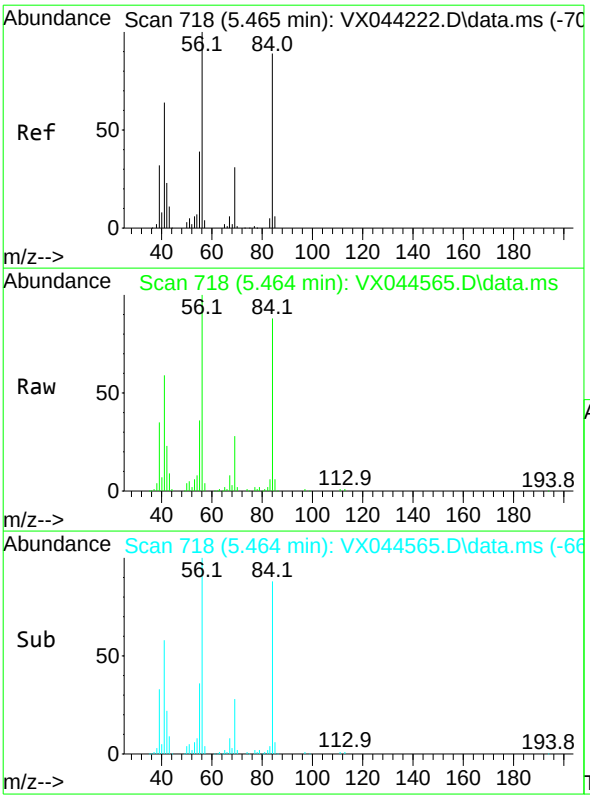


#30
Chloroform
Concen: 50.313 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 83 Resp: 155478

Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.6	77.4





#31
Cyclohexane
Concen: 46.398 ug/l
RT: 5.464 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 56 Resp: 103050

Ion	Ratio	Lower	Upper
56	100		
69	28.2	24.7	37.1
84	86.5	71.0	106.6

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

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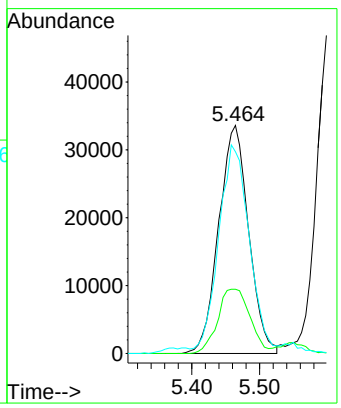
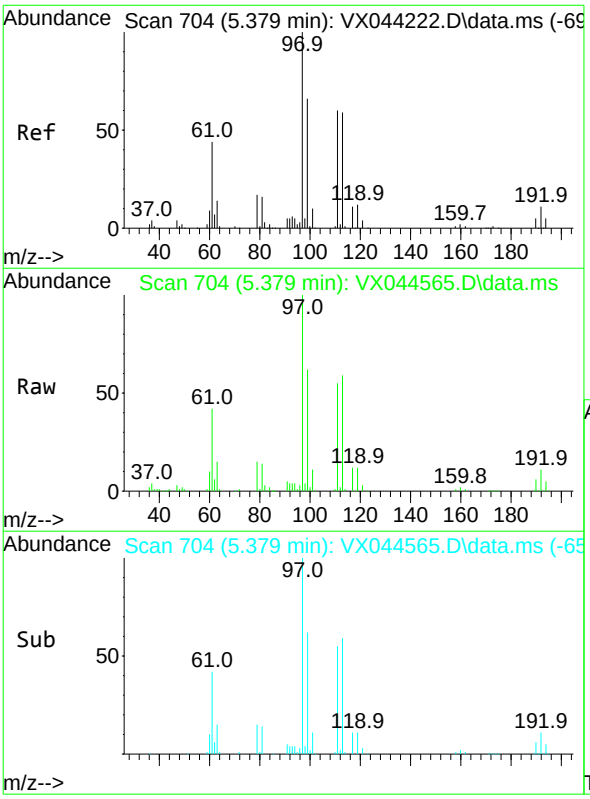
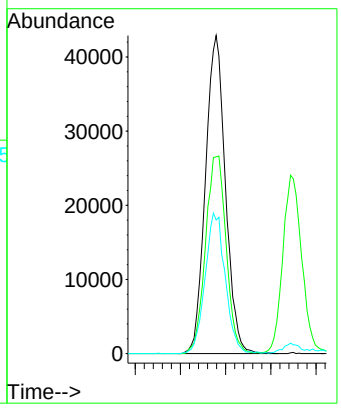


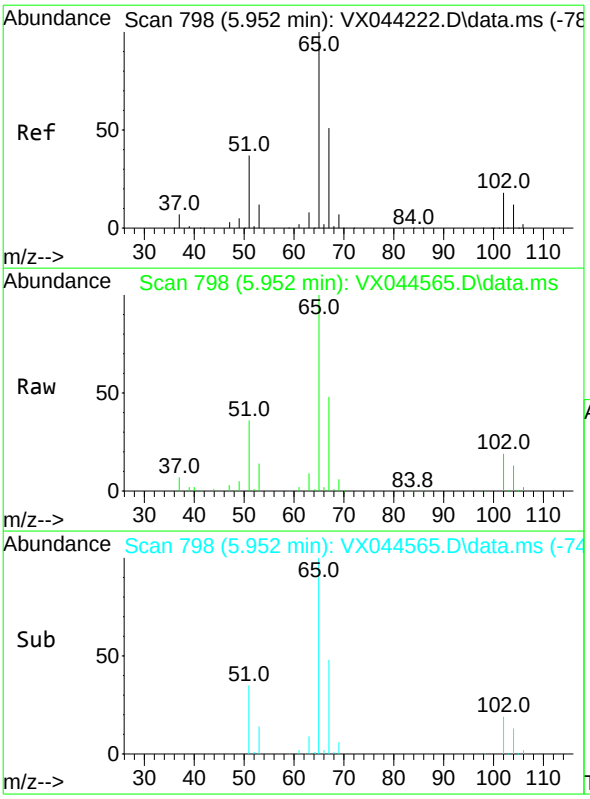


#32
1,1,1-Trichloroethane
Concen: 51.390 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 97 Resp: 131822

Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.8	76.2
61	44.6	35.2	52.8





#33
1,2-Dichloroethane-d4
Concen: 45.051 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 65 Resp: 92706

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	101.6

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
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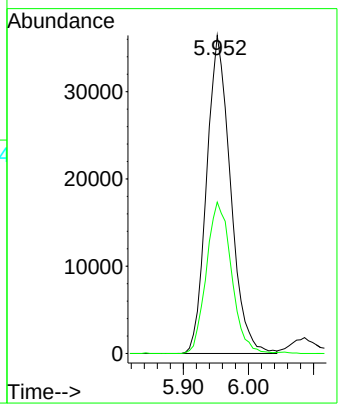
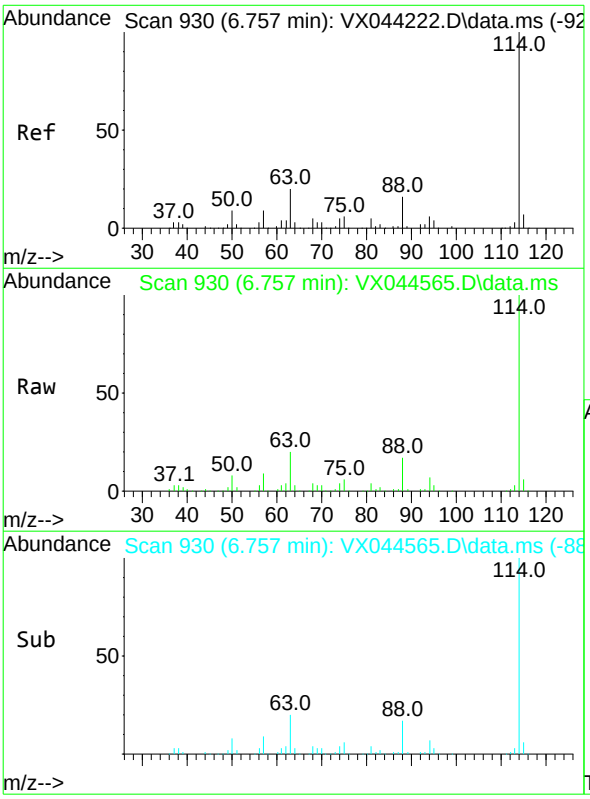
Supervised By :Mahesh Dadoda 12/31/2024

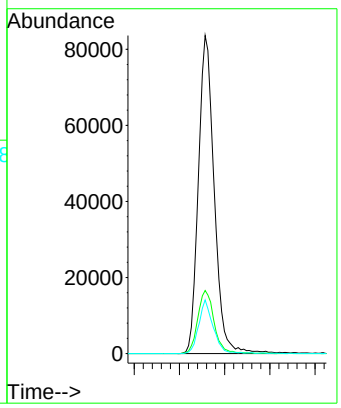


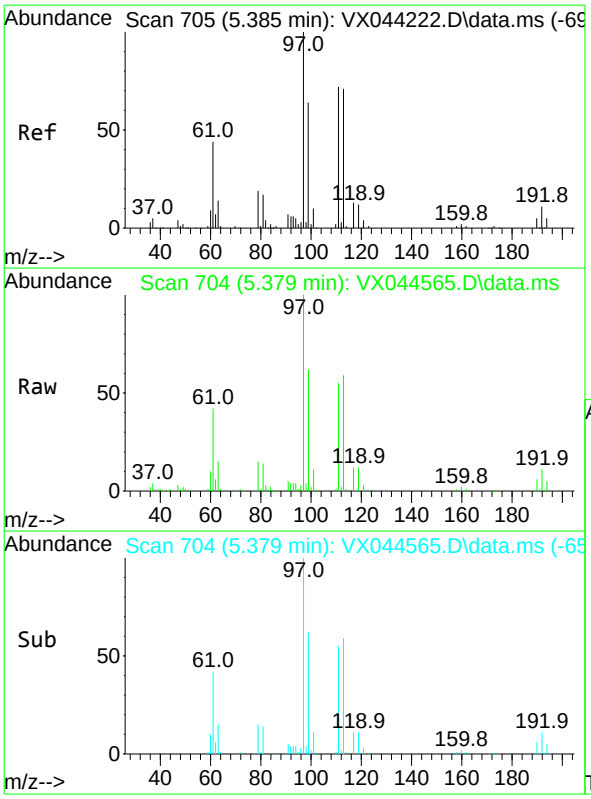


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:114 Resp: 203568

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.6
88	16.9	0.0	31.8





#35
Dibromofluoromethane
Concen: 52.183 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:113 Resp: 73572

Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.4	120.6
192	18.4	13.3	19.9

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

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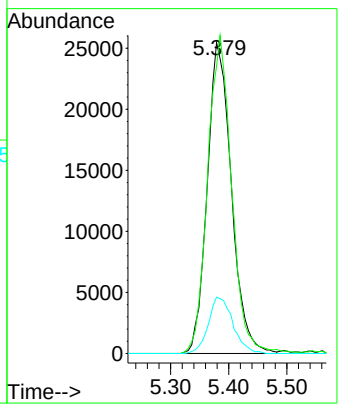
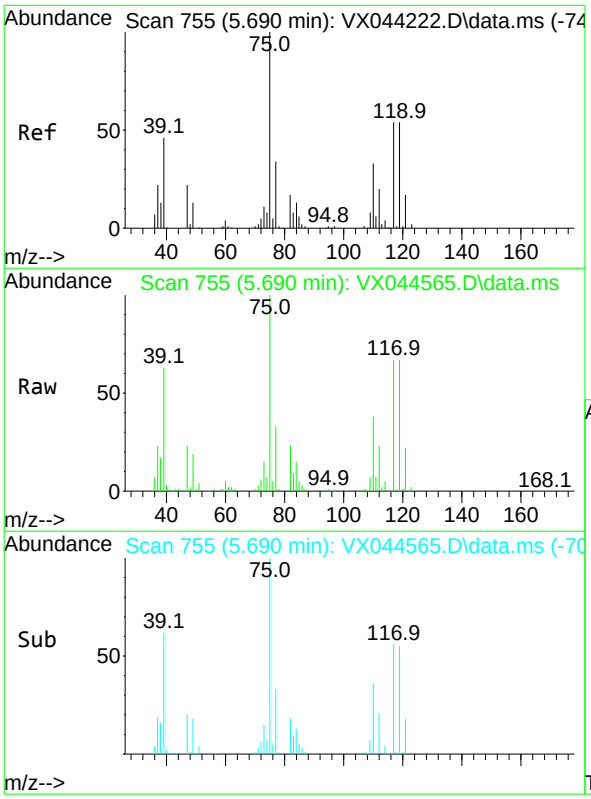
Supervised By :Mahesh Dadoda 12/31/2024

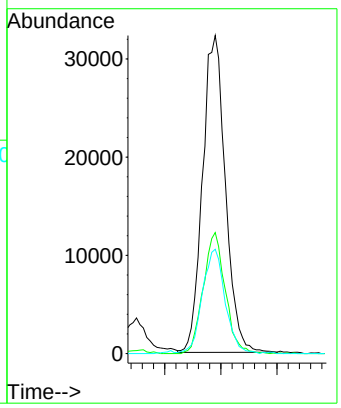


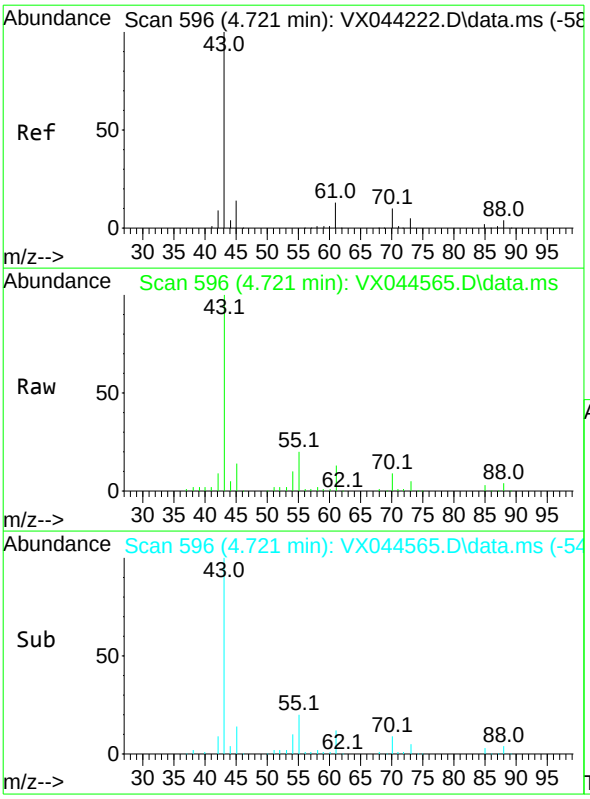


#36
1,1-Dichloropropene
Concen: 50.081 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 75 Resp: 91272

Ion	Ratio	Lower	Upper
75	100		
110	36.7	17.3	51.7
77	32.9	25.4	38.0





#37
Ethyl Acetate
Concen: 49.805 ug/l
RT: 4.721 min Scan# 59
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 43 Resp: 112201

Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.8	14.8
70	9.6	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

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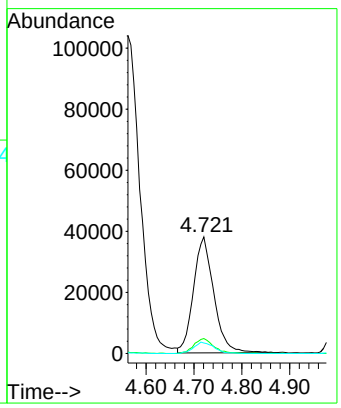
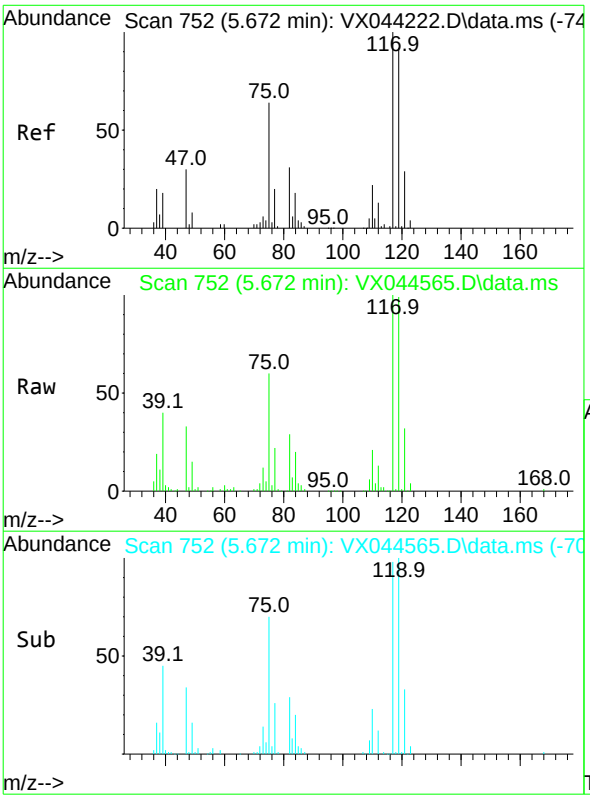
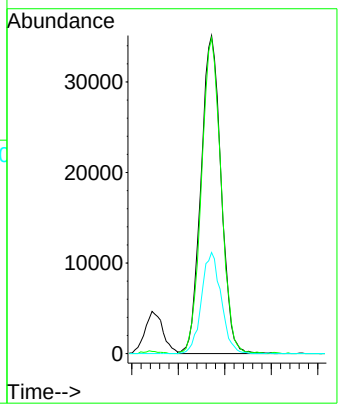


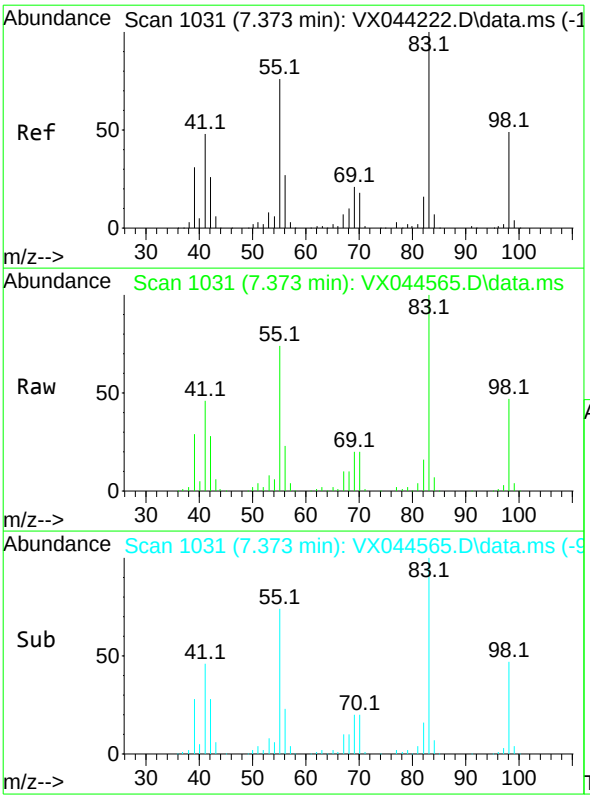


#38
Carbon Tetrachloride
Concen: 53.777 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:117 Resp: 105515

Ion	Ratio	Lower	Upper
117	100		
119	99.2	74.2	111.4
121	31.8	23.0	34.6





#39
Methylcyclohexane
Concen: 50.425 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 83 Resp: 109863

Ion	Ratio	Lower	Upper
83	100		
55	74.1	60.7	91.1
98	47.4	38.9	58.3

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

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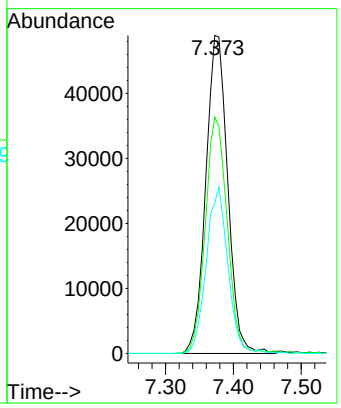
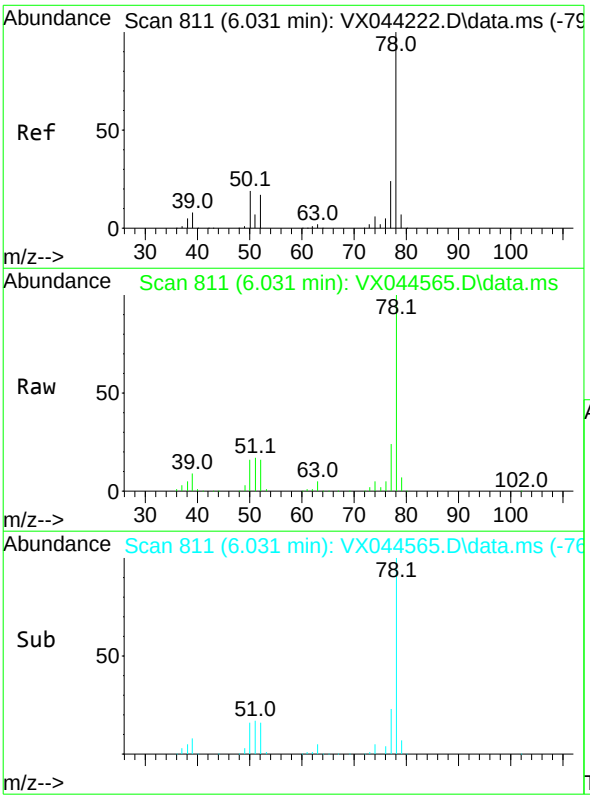
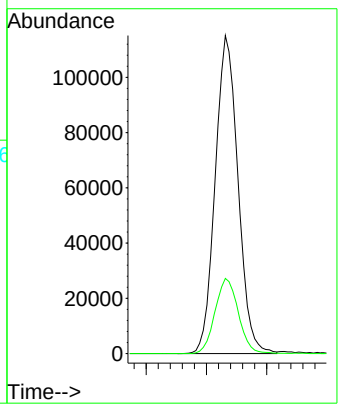


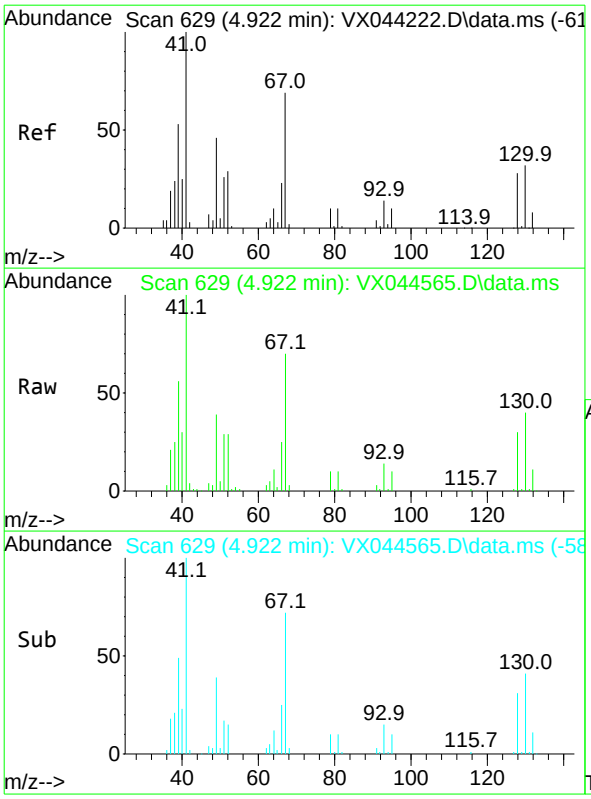


#40
Benzene
Concen: 54.662 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 78 Resp: 302466

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.3	28.9





#41
Methacrylonitrile
Concen: 51.637 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 41 Resp: 61771

Ion	Ratio	Lower	Upper
41	100		
39	56.4	44.2	66.4
67	75.6	57.2	85.8
52	32.2	24.6	37.0

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

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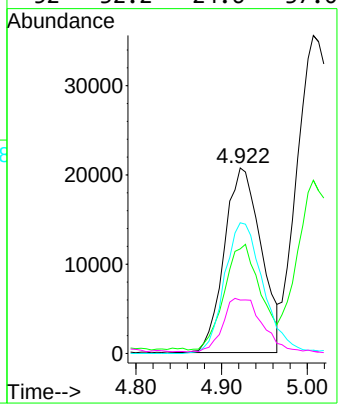
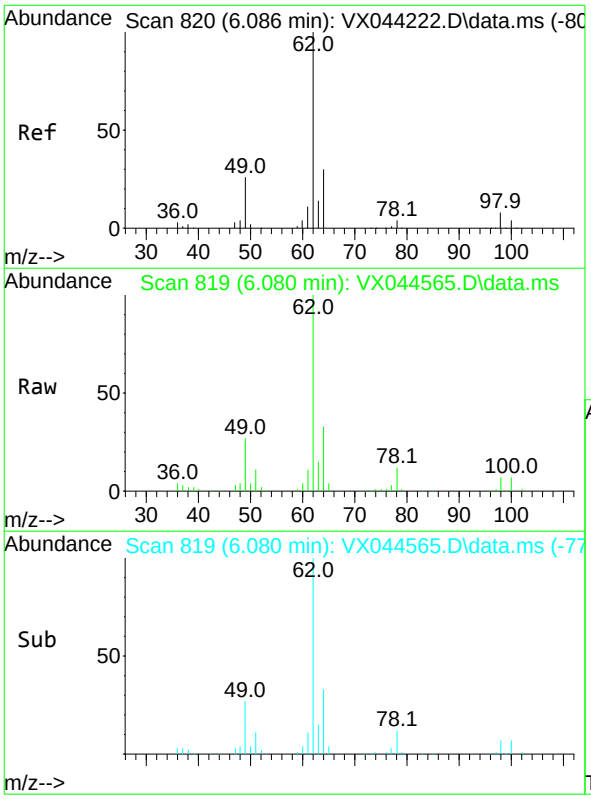
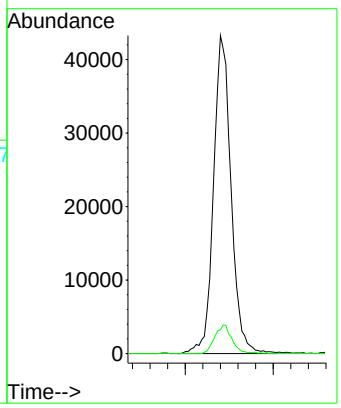


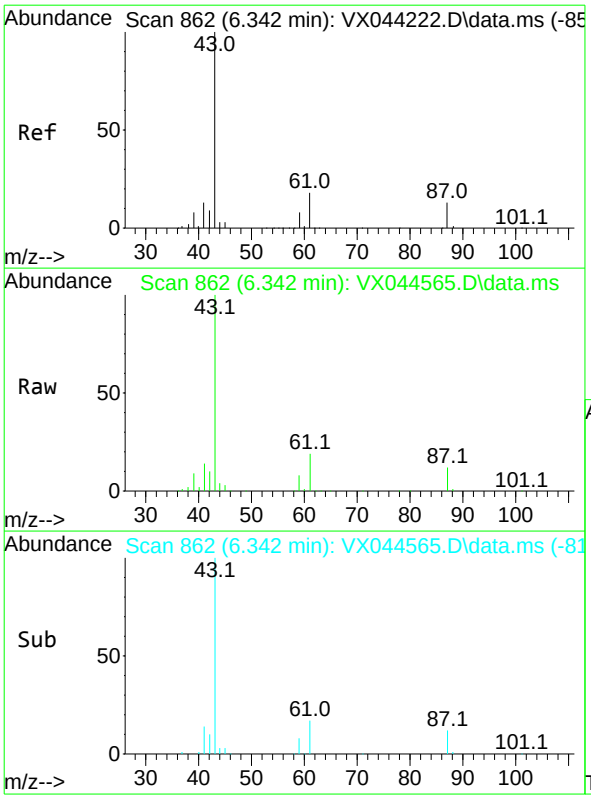


#42
1,2-Dichloroethane
Concen: 52.476 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 62 Resp: 119613

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	15.8





#43
Isopropyl Acetate
Concen: 50.823 ug/l
RT: 6.342 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 43 Resp: 178954

Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.2	21.2
87	12.7	10.2	15.2

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

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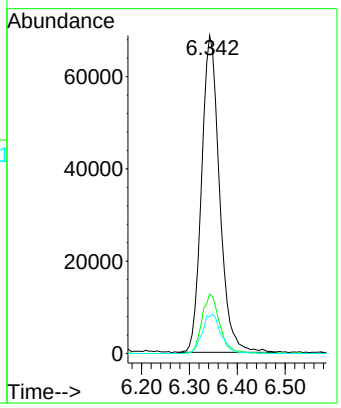
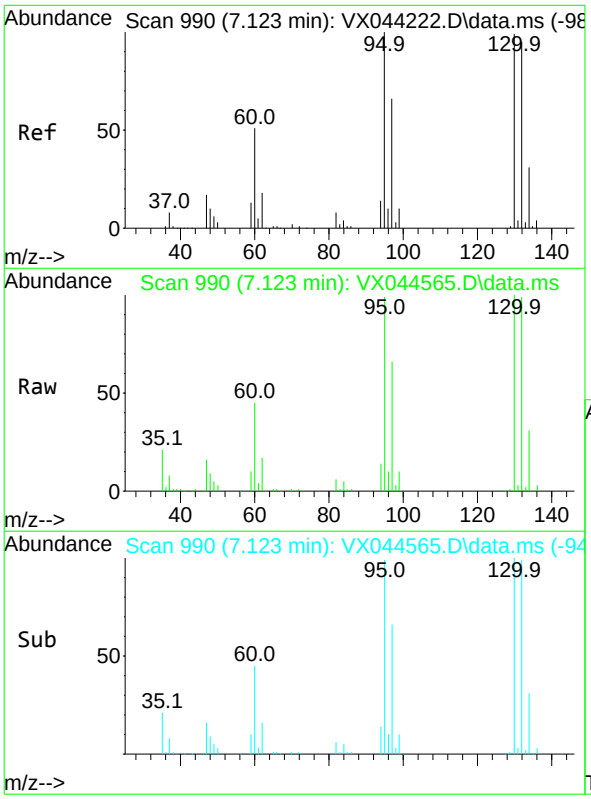
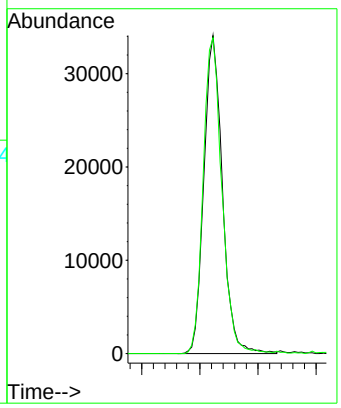


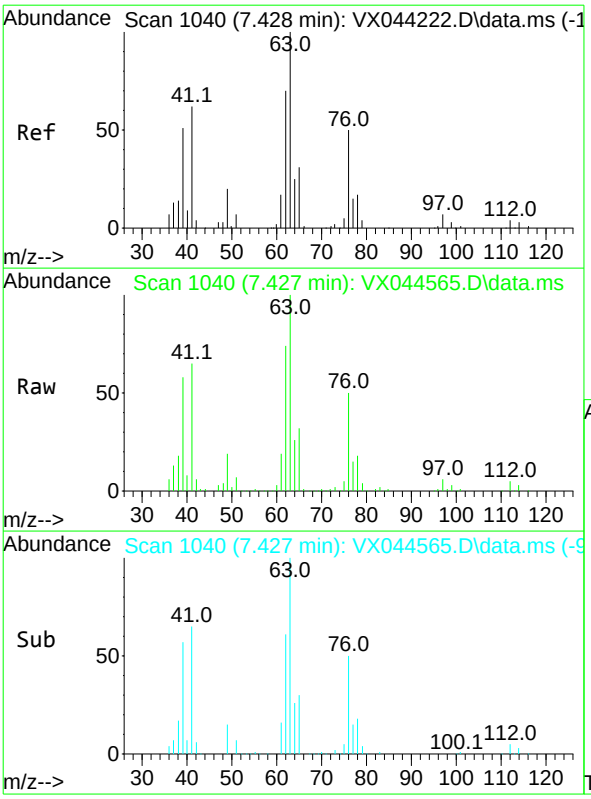


#44
Trichloroethene
Concen: 54.641 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:130 Resp: 75397

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	201.4





#45
1,2-Dichloropropane
Concen: 50.882 ug/l
RT: 7.427 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 63 Resp: 71931

Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.6	37.0

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

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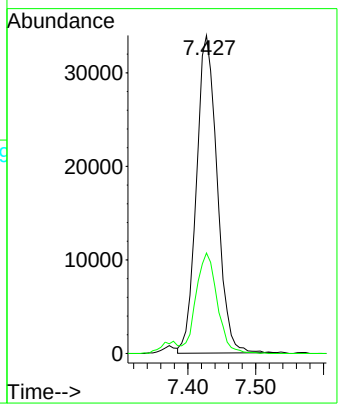
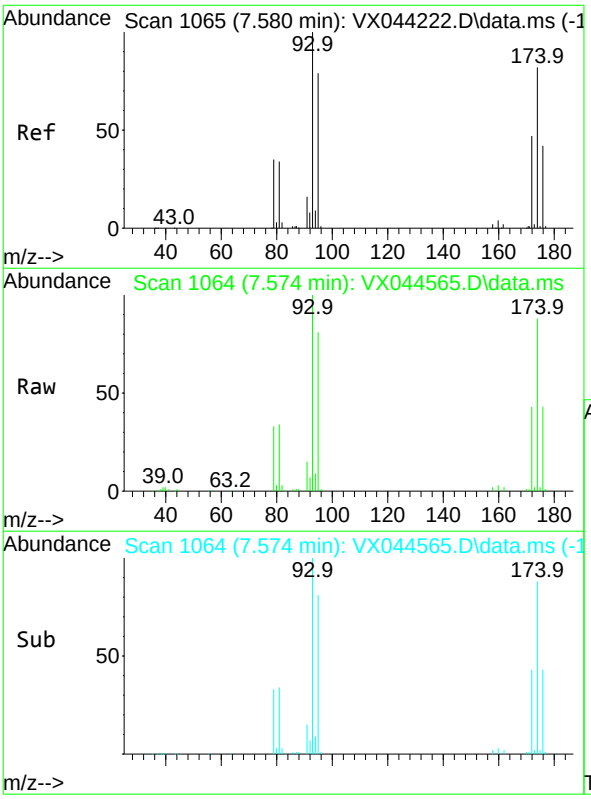
Supervised By :Mahesh Dadoda 12/31/2024

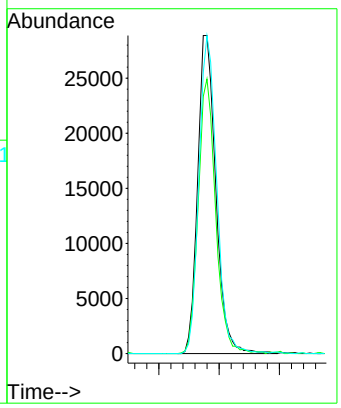


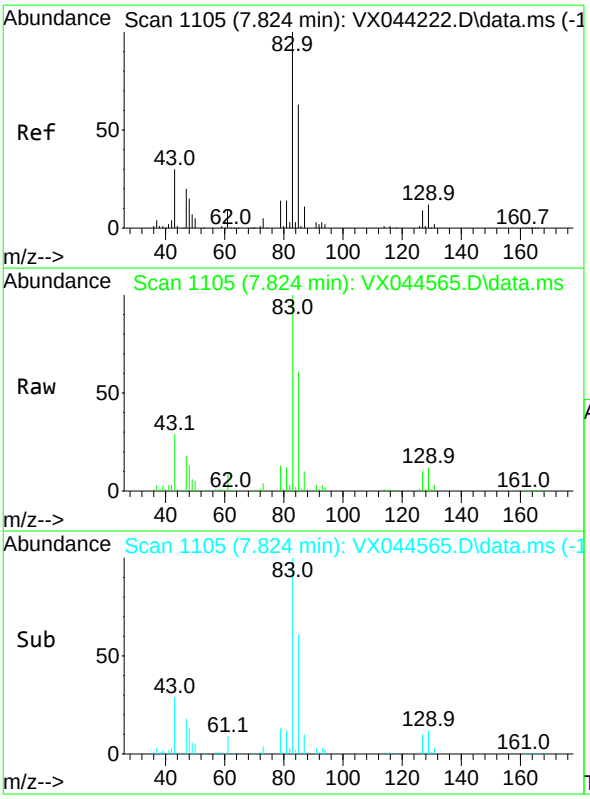


#46
Dibromomethane
Concen: 55.051 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 93 Resp: 60376

Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.4	98.2
174	97.7	67.9	101.9





#47
Bromodichloromethane
Concen: 57.278 ug/l
RT: 7.824 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 83 Resp: 108492

Ion	Ratio	Lower	Upper
83	100		
85	60.5	50.6	75.8
127	9.6	7.3	10.9

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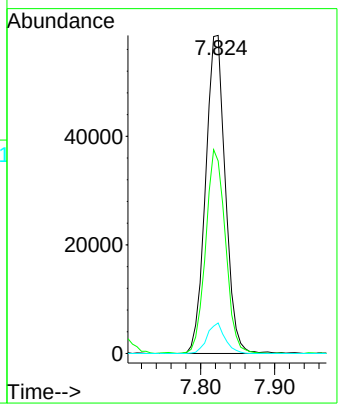
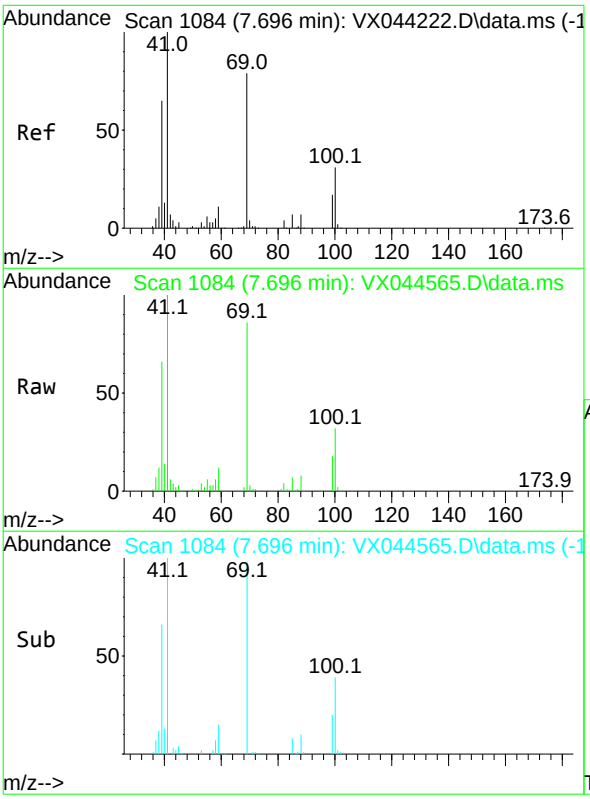
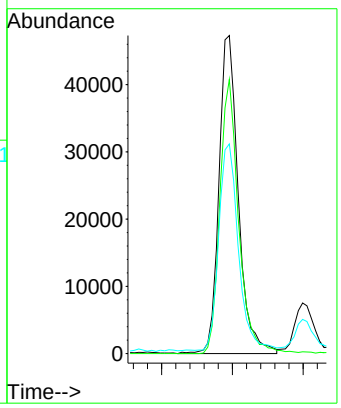


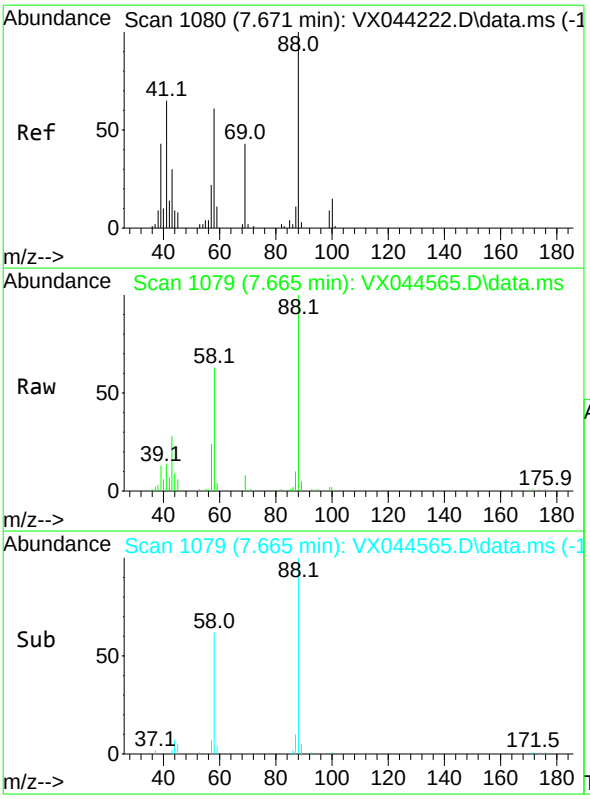


#48
Methyl methacrylate
Concen: 52.566 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 41 Resp: 89847

Ion	Ratio	Lower	Upper
41	100		
69	83.8	62.4	93.6
39	65.8	53.3	79.9





#49
1,4-Dioxane
Concen: 982.512 ug/l
RT: 7.665 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 88 Resp: 27843

Ion	Ratio	Lower	Upper
88	100		
43	37.1	27.1	40.7
58	86.7	41.0	61.4#

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

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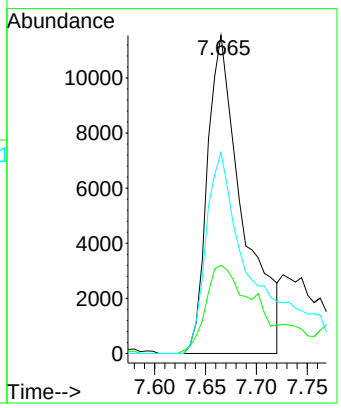
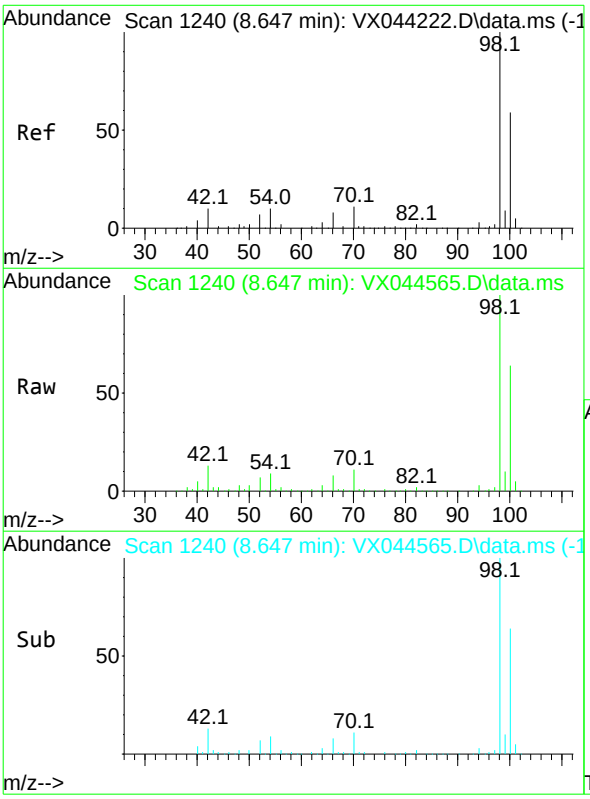
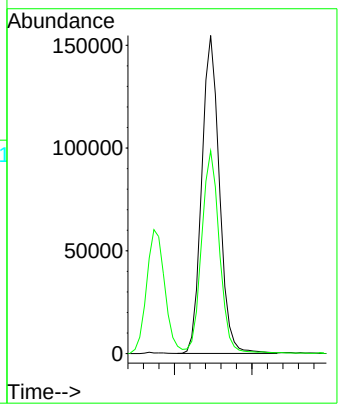


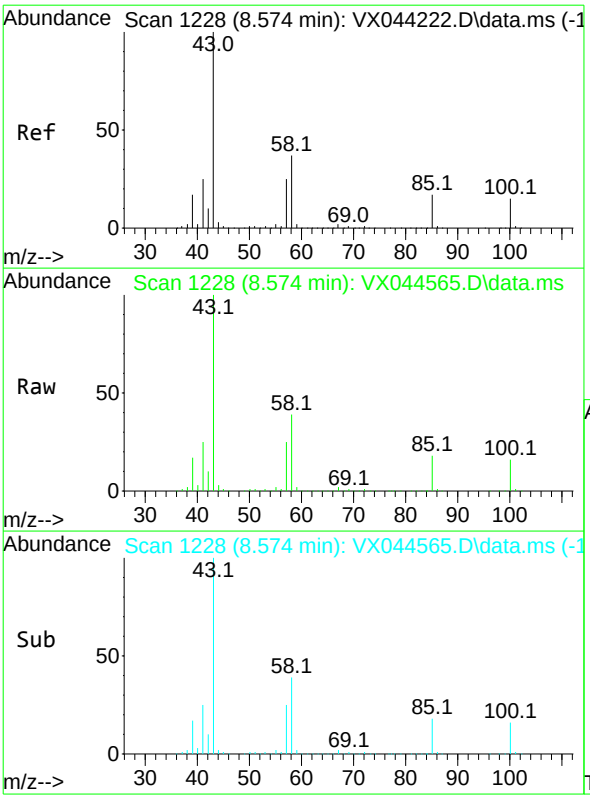


#50
Toluene-d8
Concen: 51.610 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 98 Resp: 245485

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.5	77.3





#51
4-Methyl-2-Pentanone
Concen: 269.681 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 43 Resp: 610558

Ion	Ratio	Lower	Upper
43	100		
58	37.5	29.4	44.0

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
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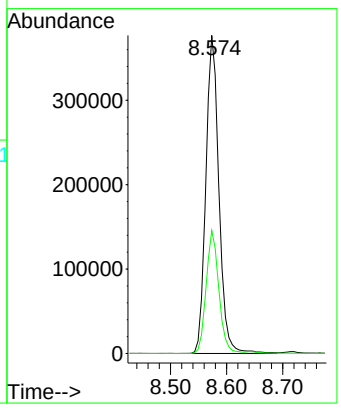
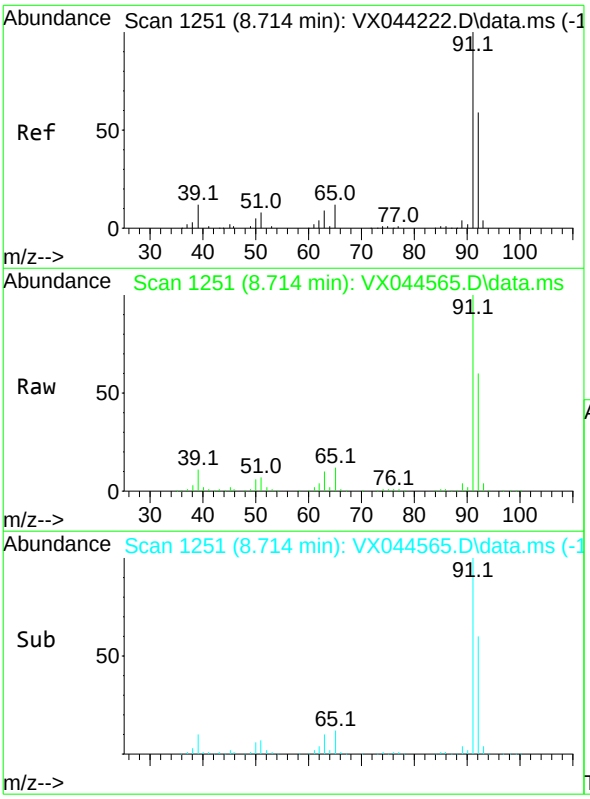
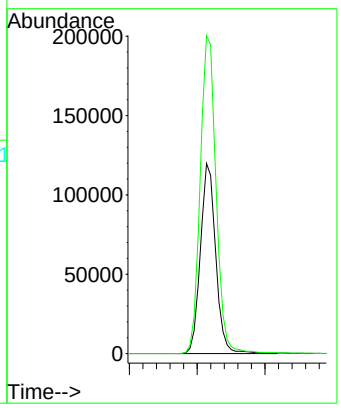


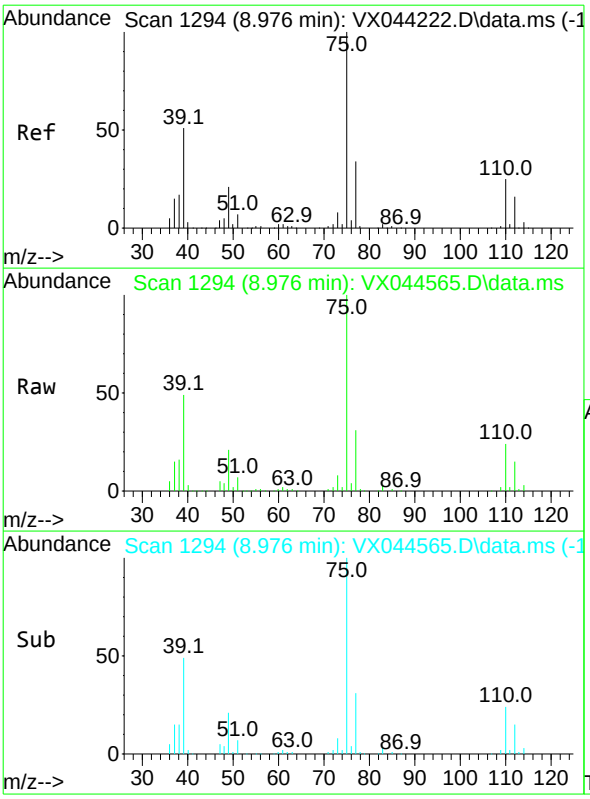


#52
Toluene
Concen: 54.185 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 92 Resp: 188284

Ion	Ratio	Lower	Upper
92	100		
91	173.3	137.0	205.6





#53
t-1,3-Dichloropropene
Concen: 49.951 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 75 Resp: 101551

Ion	Ratio	Lower	Upper
75	100		
77	30.6	27.2	40.8

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
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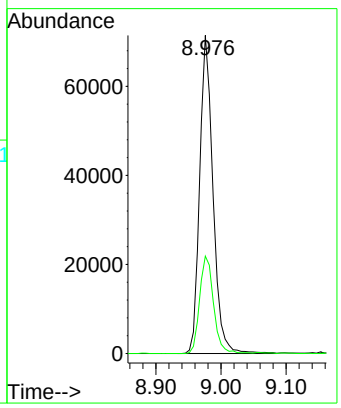
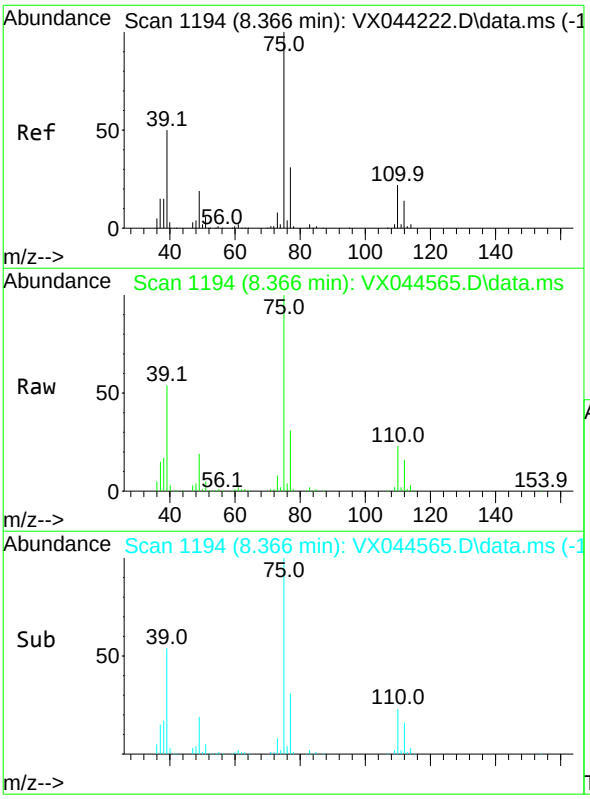
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

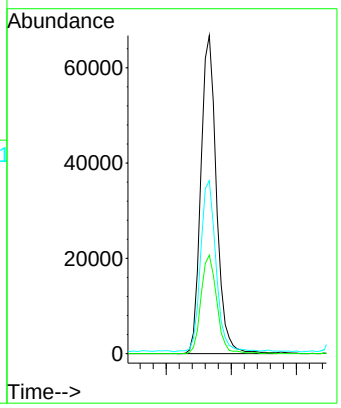


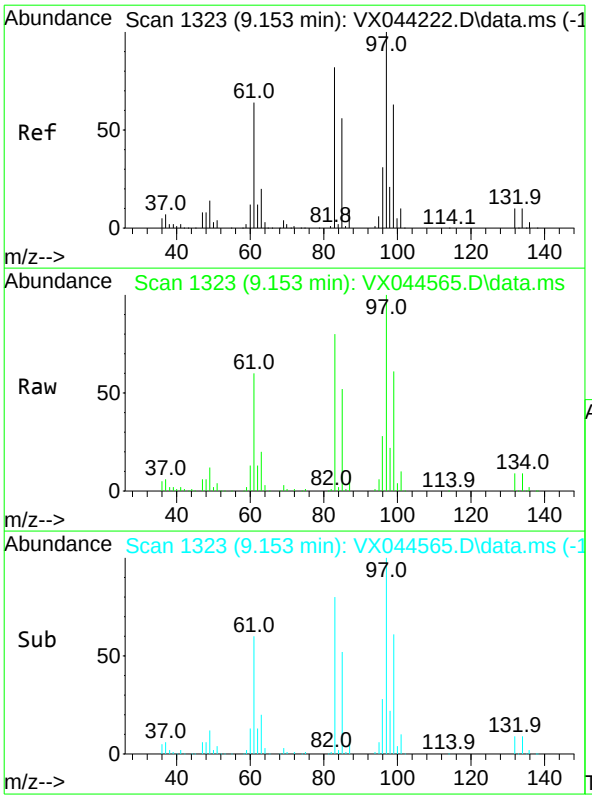


#54
cis-1,3-Dichloropropene
Concen: 53.947 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 75 Resp: 111258

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	53.6	40.3	60.5





#55
1,1,2-Trichloroethane
Concen: 57.797 ug/l
RT: 9.153 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 97 Resp: 79785

Ion	Ratio	Lower	Upper
97	100		
83	79.9	65.3	97.9
85	52.3	44.6	67.0
99	61.1	50.2	75.2

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
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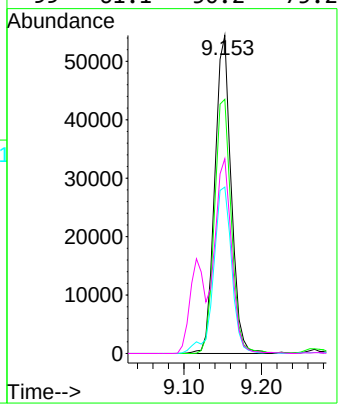
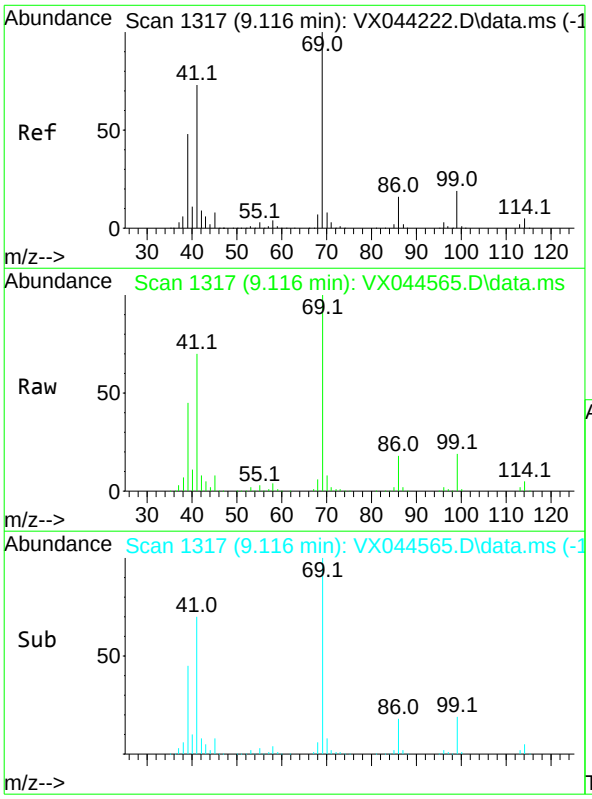
Supervised By :Mahesh Dadoda 12/31/2024

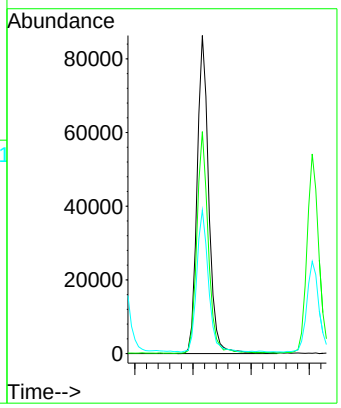


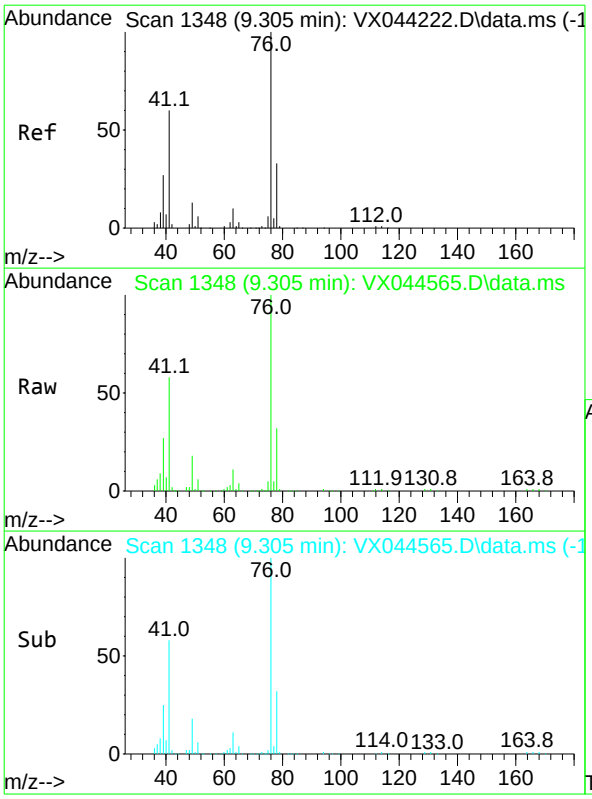


#56
Ethyl methacrylate
Concen: 55.197 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 69 Resp: 120288

Ion	Ratio	Lower	Upper
69	100		
41	68.2	56.6	85.0
39	44.9	37.4	56.0





#57
1,3-Dichloropropane
Concen: 54.489 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 76 Resp: 130926

Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.5	39.7

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

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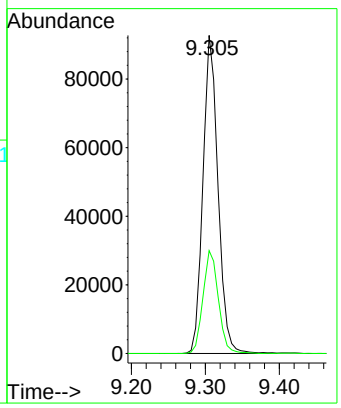
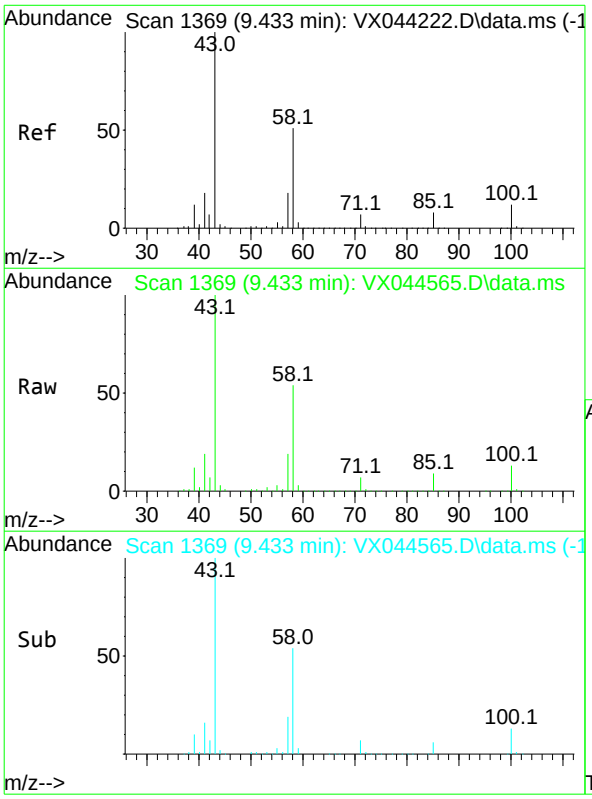
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

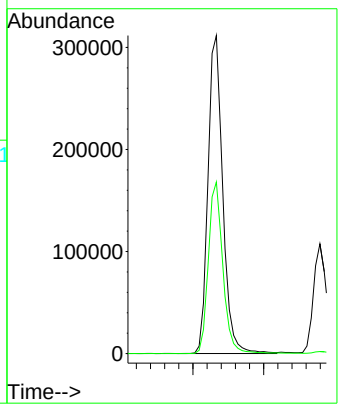


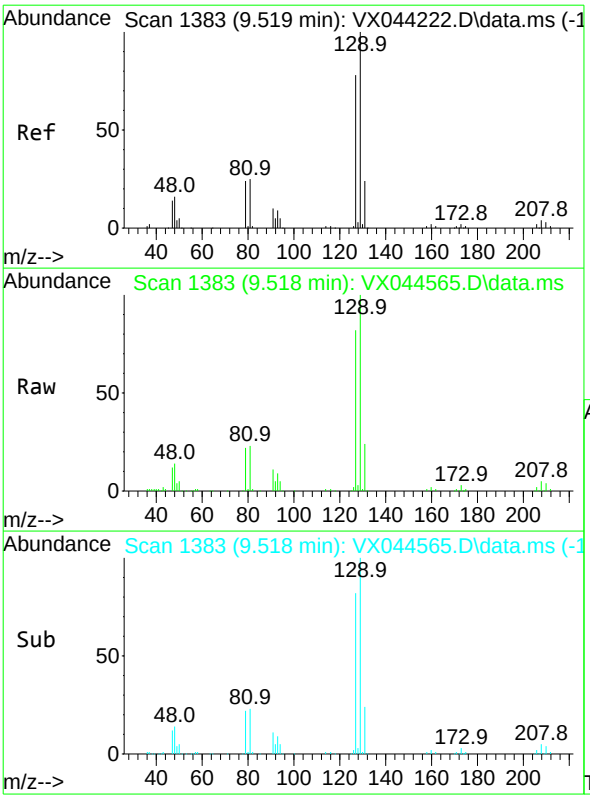


#59
2-Hexanone
Concen: 275.855 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 43 Resp: 452053

Ion	Ratio	Lower	Upper
43	100		
58	53.1	25.7	77.0





#60
Dibromochloromethane
Concen: 53.799 ug/l
RT: 9.518 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:129 Resp: 79058

Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.5	115.3

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

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Reviewed By :Semsettin Yesilyurt 12/31/2024
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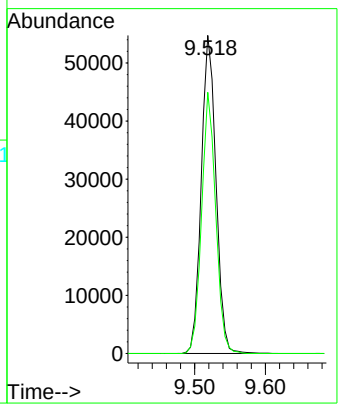
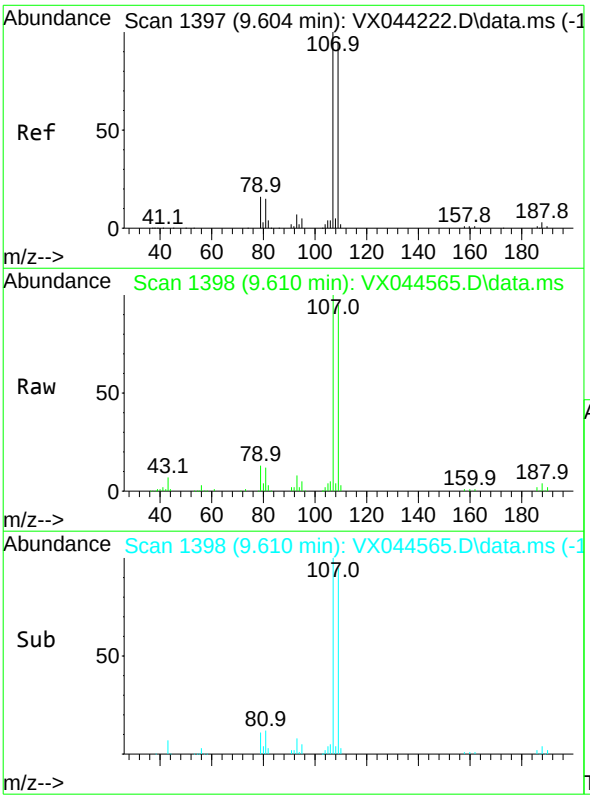
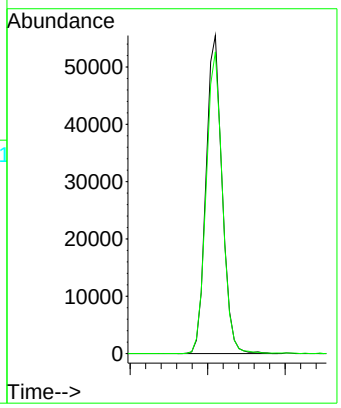


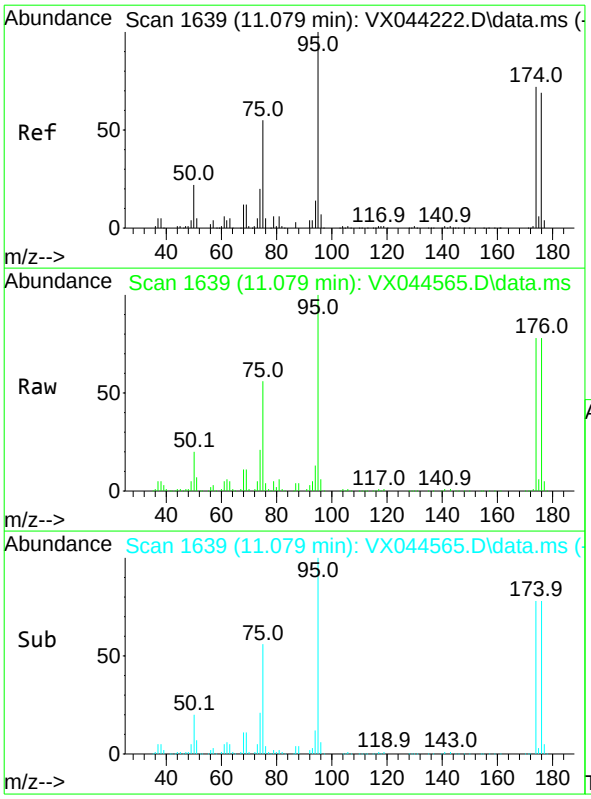


#61
1,2-Dibromoethane
Concen: 56.977 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:107 Resp: 80061

Ion	Ratio	Lower	Upper
107	100		
109	96.0	77.0	115.4





#62
4-Bromofluorobenzene
Concen: 54.348 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 95 Resp: 90330

Ion	Ratio	Lower	Upper
95	100		
174	81.0	0.0	145.8
176	78.8	0.0	137.8

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
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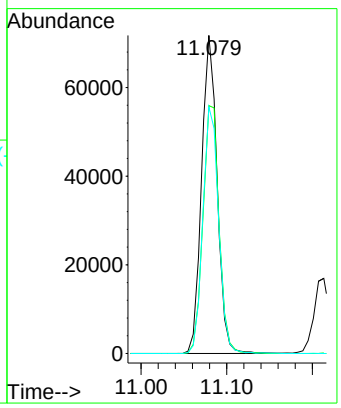
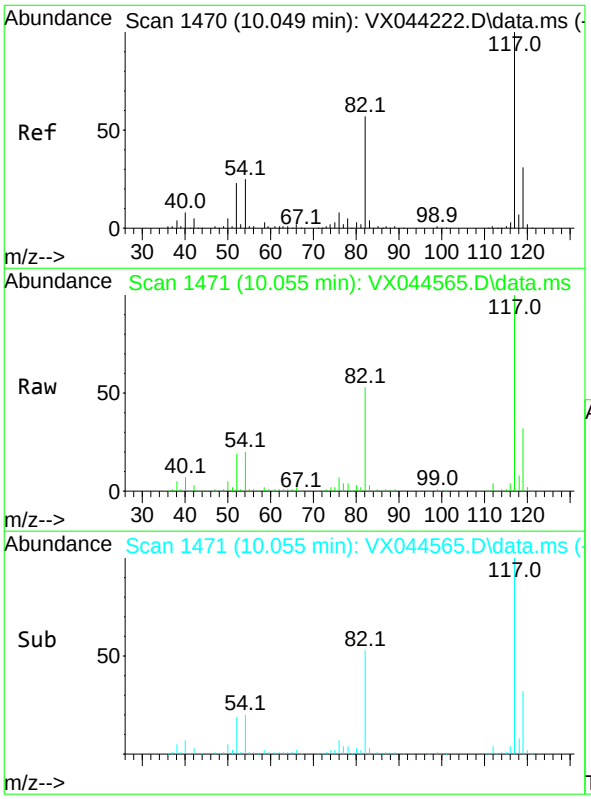
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

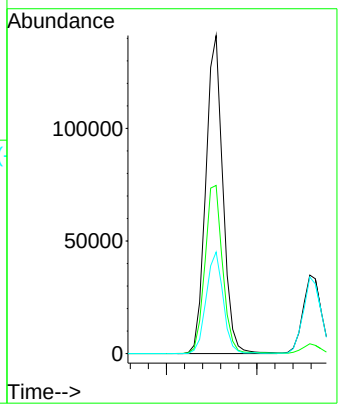


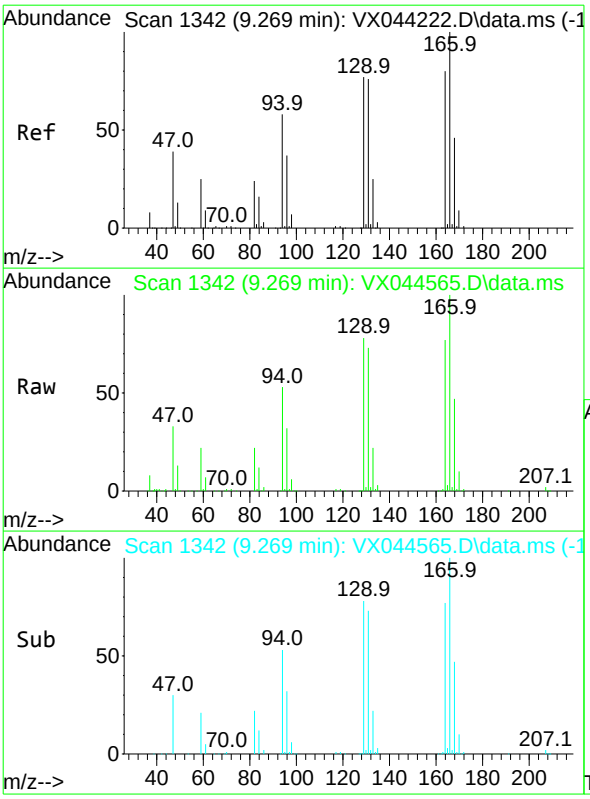


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:117 Resp: 185270

Ion	Ratio	Lower	Upper
117	100		
82	52.8	45.8	68.8
119	31.9	25.0	37.4





#64
Tetrachloroethene
Concen: 51.837 ug/l
RT: 9.269 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion:164 Resp: 63742

Ion	Ratio	Lower	Upper
164	100		
166	129.3	100.4	150.6
129	100.5	77.2	115.8
131	93.8	76.2	114.2

Manual Integrations
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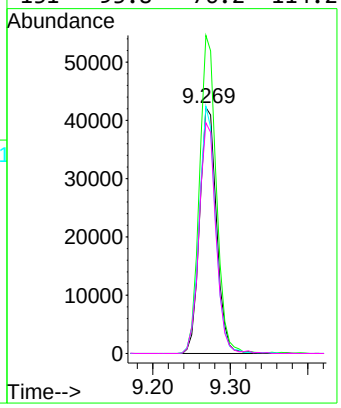
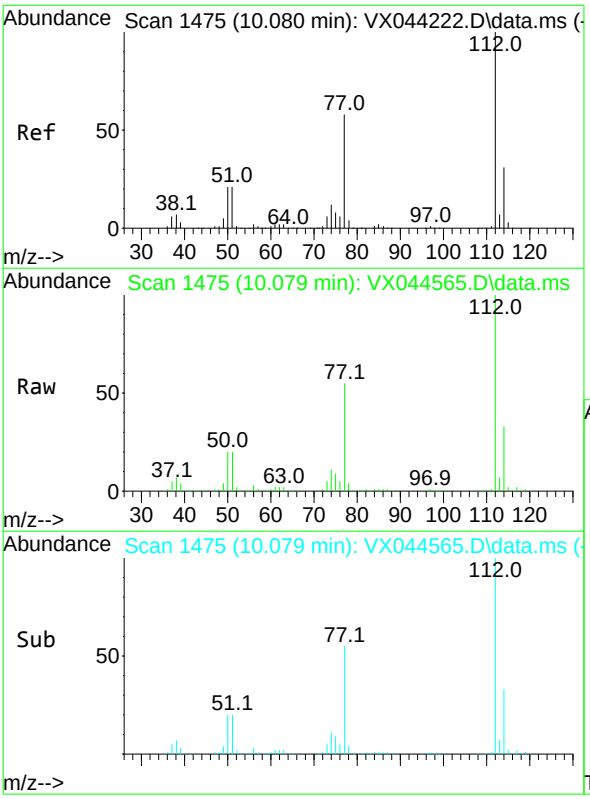
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

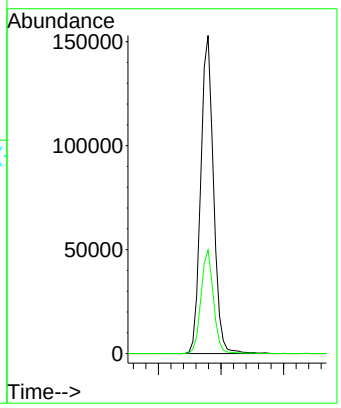


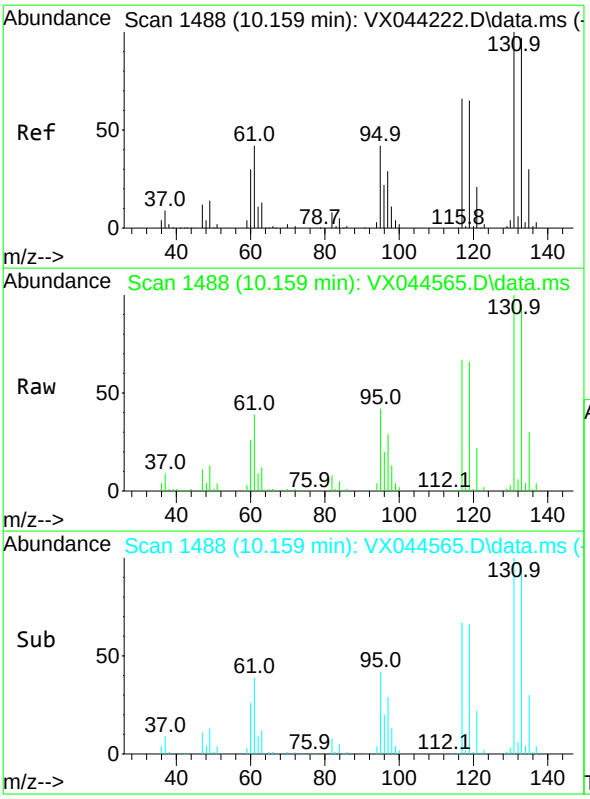


#65
Chlorobenzene
Concen: 54.606 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:112 Resp: 216781

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.0	37.6





#66
1,1,1,2-Tetrachloroethane
Concen: 57.267 ug/l
RT: 10.159 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion:131 Resp: 73066

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	141.8
119	64.1	31.6	95.0

Manual Integrations
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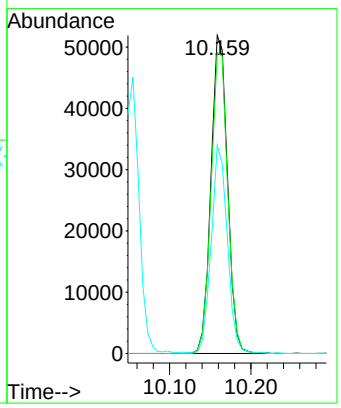
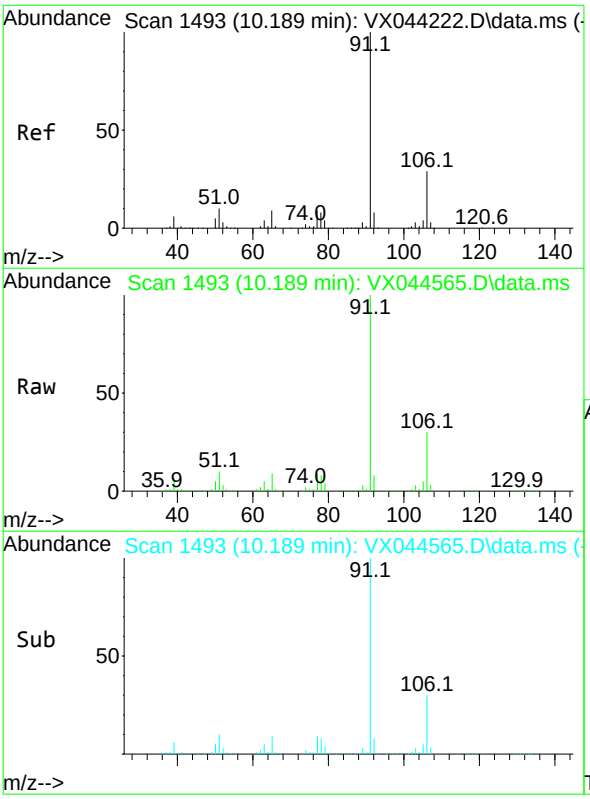
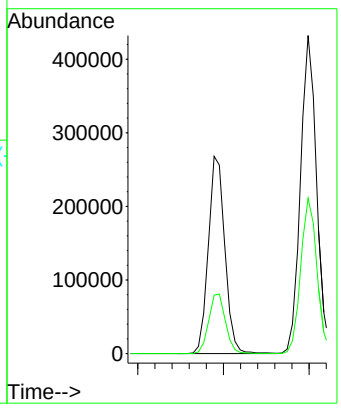


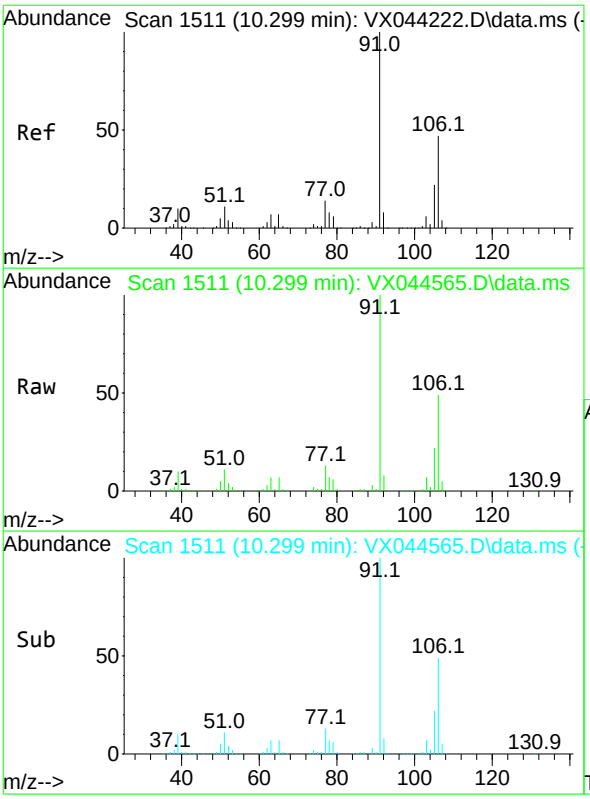


#67
Ethyl Benzene
Concen: 52.369 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 91 Resp: 359222

Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.5	35.3





#68
m/p-Xylenes
Concen: 110.428 ug/l
RT: 10.299 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:106 Resp: 277945

Ion	Ratio	Lower	Upper
106	100		
91	203.4	170.2	255.2

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

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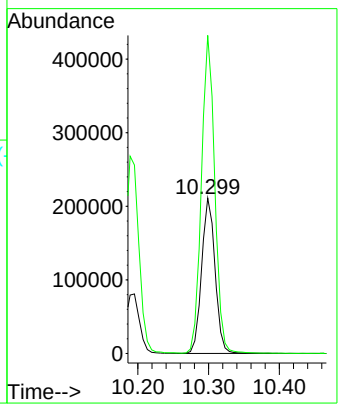
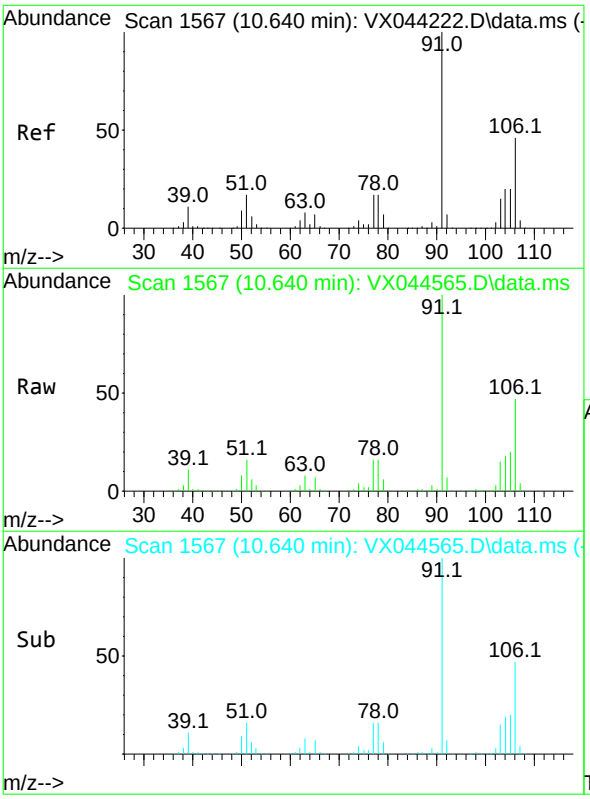
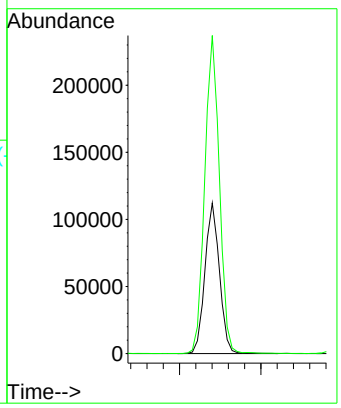


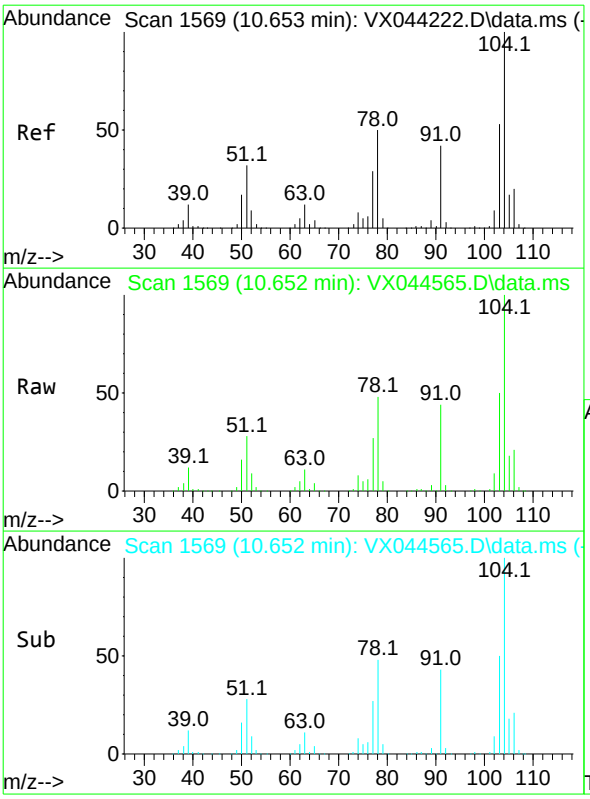


#69
o-Xylene
Concen: 54.573 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:106 Resp: 138979

Ion	Ratio	Lower	Upper
106	100		
91	213.0	112.3	337.0





#70
Styrene
Concen: 56.724 ug/l
RT: 10.652 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion:104 Resp: 231579

Ion	Ratio	Lower	Upper
104	100		
78	52.1	44.6	67.0
103	54.0	45.4	68.0

Manual Integrations
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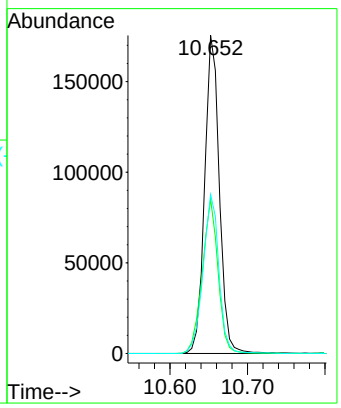
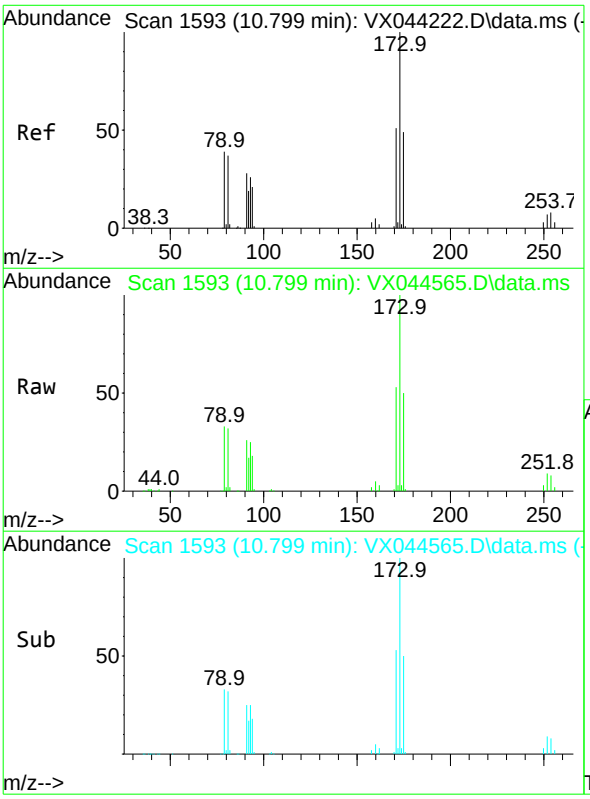
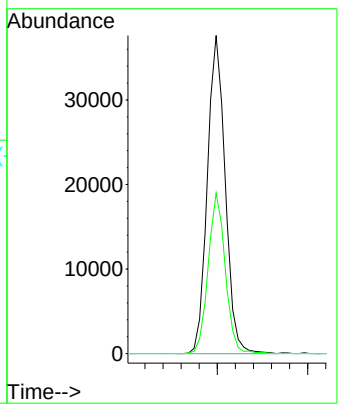


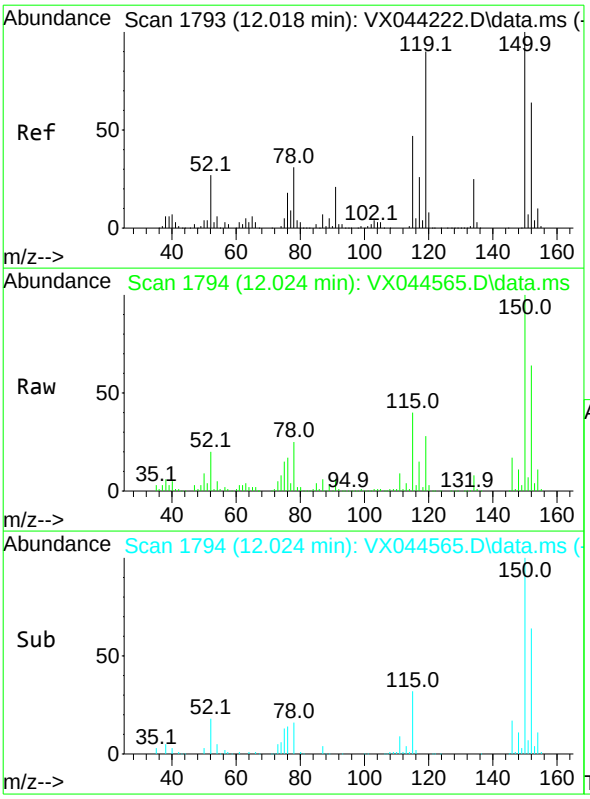


#71
Bromoform
Concen: 56.744 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:173 Resp: 51474

Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.8	71.4
254	0.0	0.0	0.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. 0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:152 Resp: 88862

Ion	Ratio	Lower	Upper
152	100		
115	85.2	44.5	133.3
150	174.5	0.0	353.8

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
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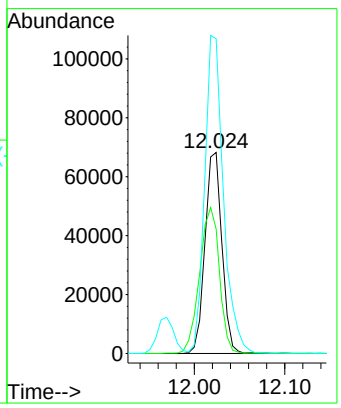
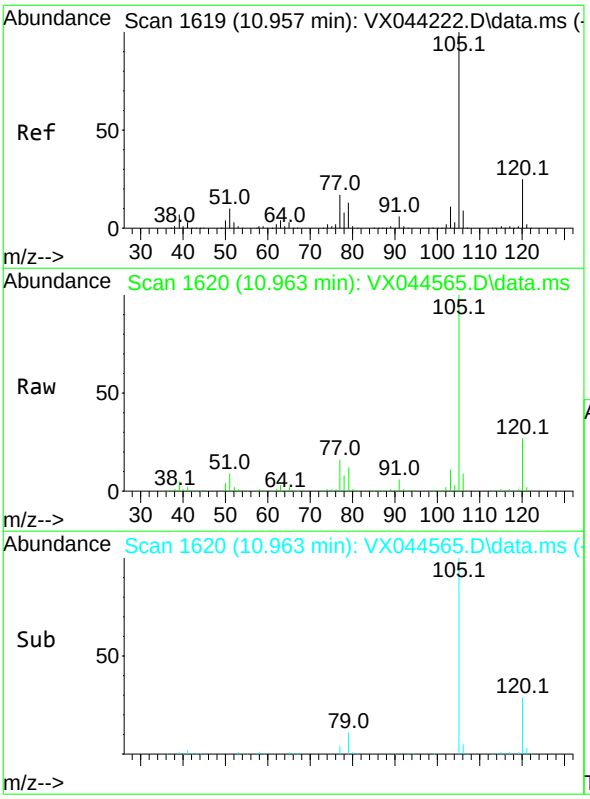
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

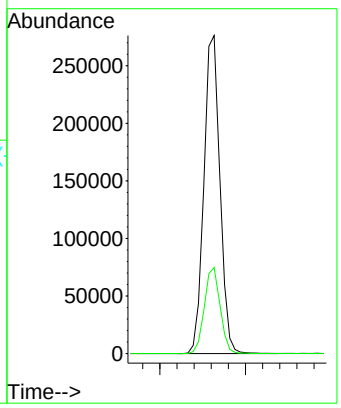


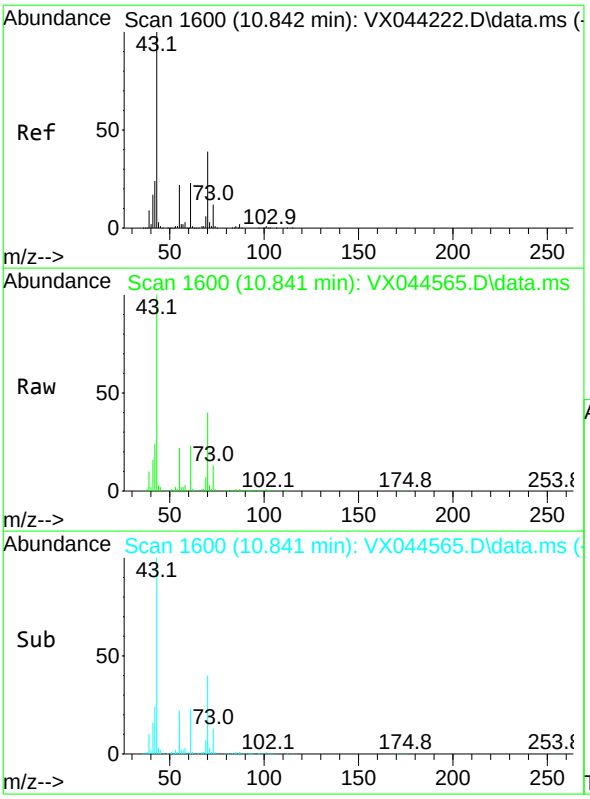


#73
Isopropylbenzene
Concen: 52.798 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:105 Resp: 359171

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.3





#74
N-amyl acetate
Concen: 46.469 ug/l
RT: 10.841 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 43 Resp: 146096

Ion	Ratio	Lower	Upper
43	100		
70	40.5	31.9	47.9
55	22.8	17.9	26.9
61	23.4	17.9	26.9

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

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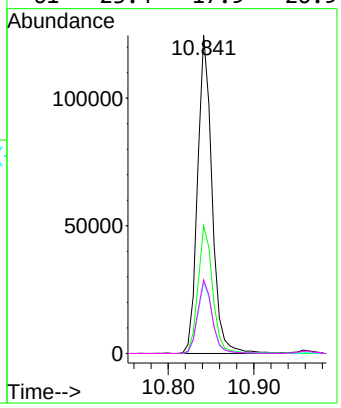
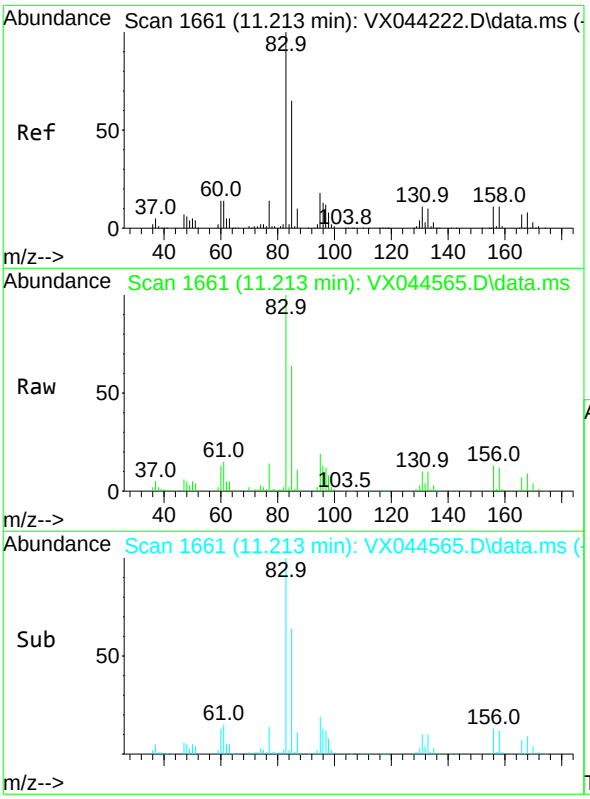
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

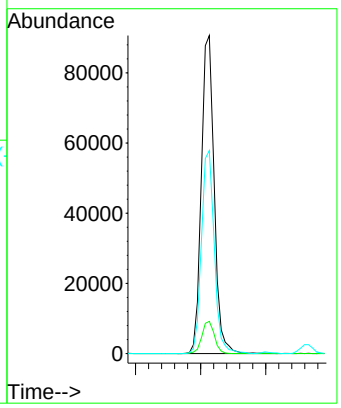


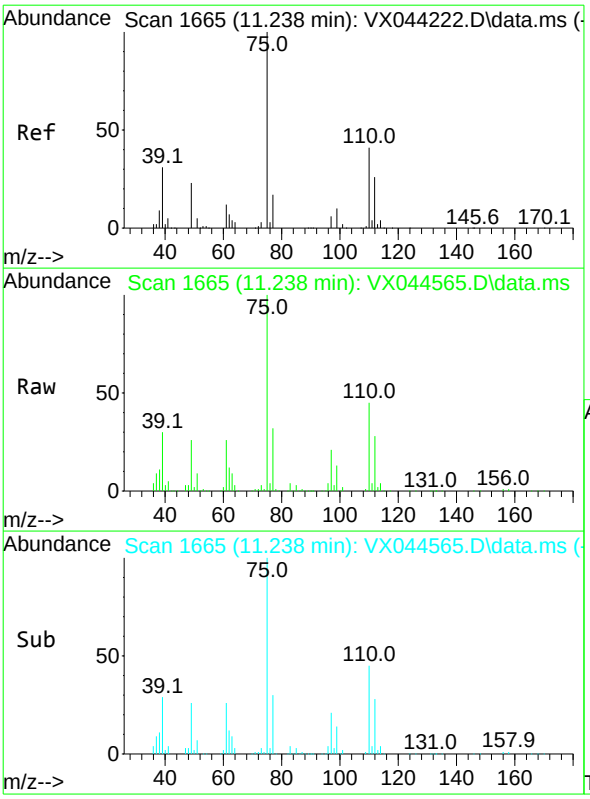


#75
1,1,2,2-Tetrachloroethane
Concen: 52.658 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 83 Resp: 124420

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.4
85	63.9	32.5	97.4





#76
1,2,3-Trichloropropane
Concen: 49.159 ug/l m
RT: 11.238 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 75 Resp: 97536

Ion	Ratio	Lower	Upper
75	100		
77	42.0	20.9	62.7

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

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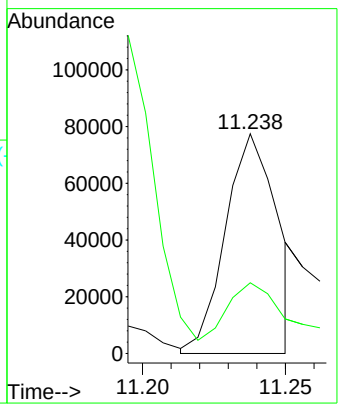
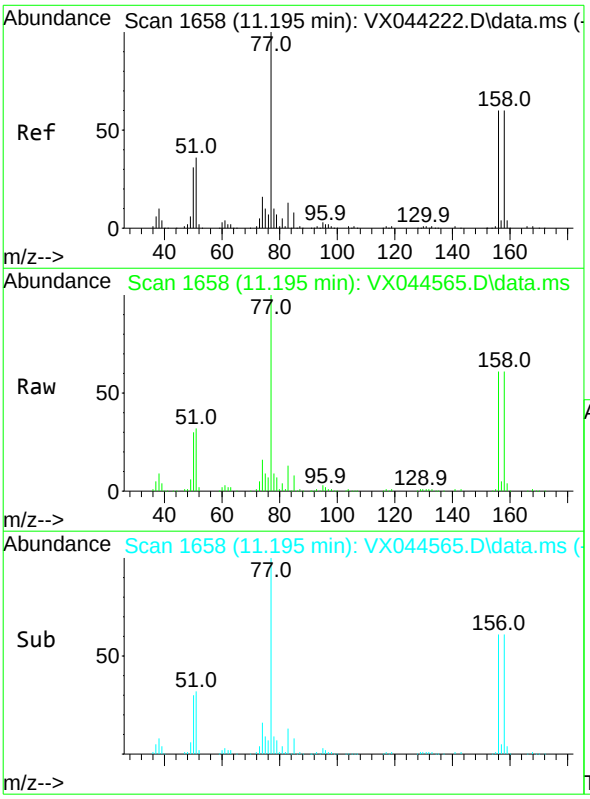
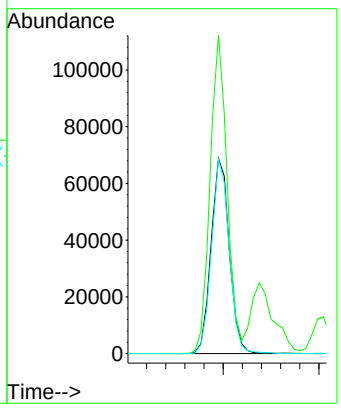


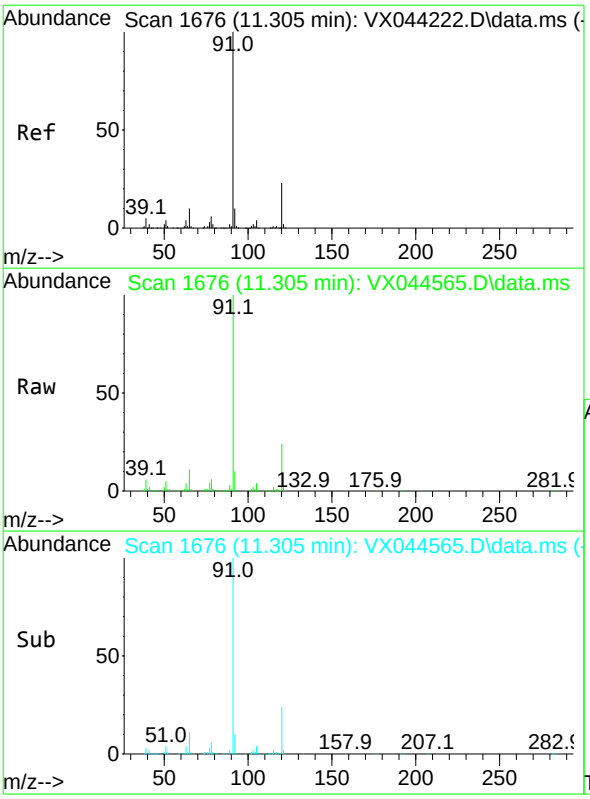


#77
Bromobenzene
Concen: 55.172 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:156 Resp: 91014

Ion	Ratio	Lower	Upper
156	100		
77	152.6	82.6	247.8
158	96.0	48.8	146.4





#78
n-propylbenzene
Concen: 52.041 ug/l
RT: 11.305 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 91 Resp: 391289

Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.0	33.0

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

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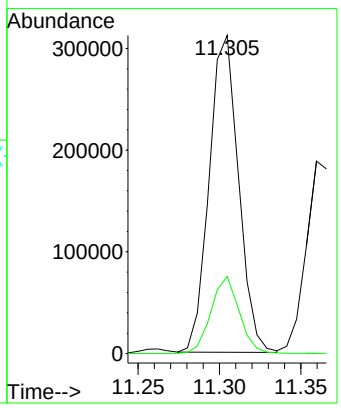
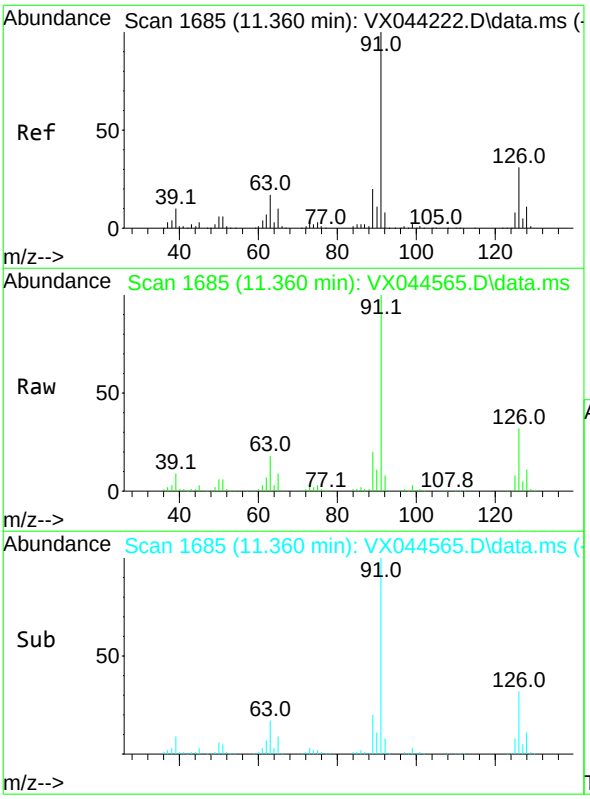
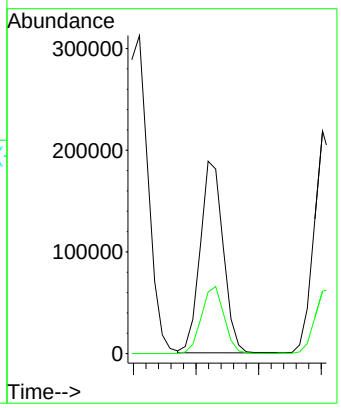


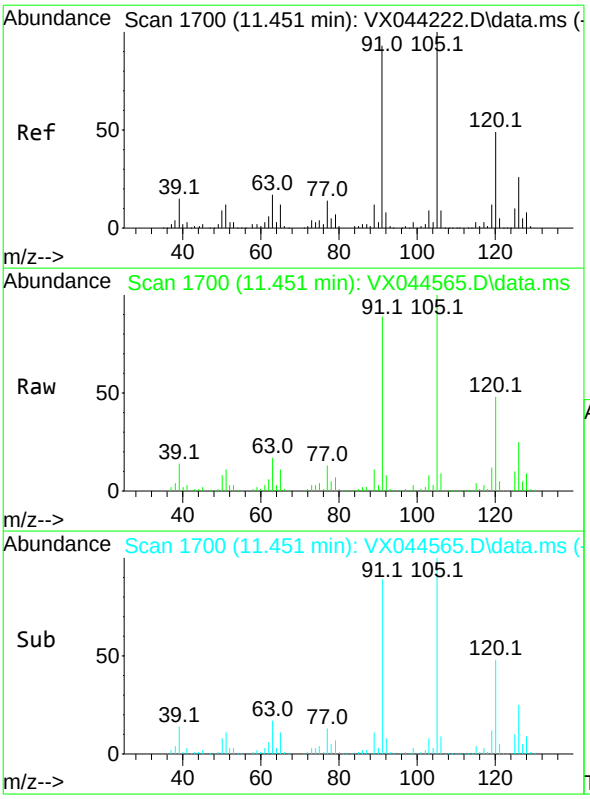


#79
2-Chlorotoluene
Concen: 49.718 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 91 Resp: 241758

Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.4	49.1





#80
1,3,5-Trimethylbenzene
Concen: 51.451 ug/l
RT: 11.451 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:105 Resp: 290256

Ion	Ratio	Lower	Upper
105	100		
120	48.8	23.8	71.4

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

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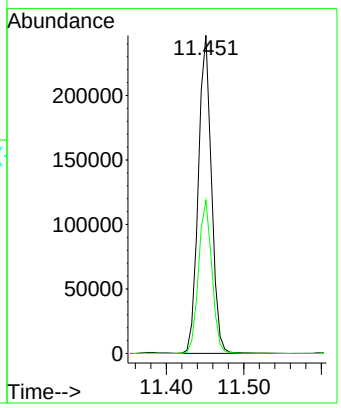
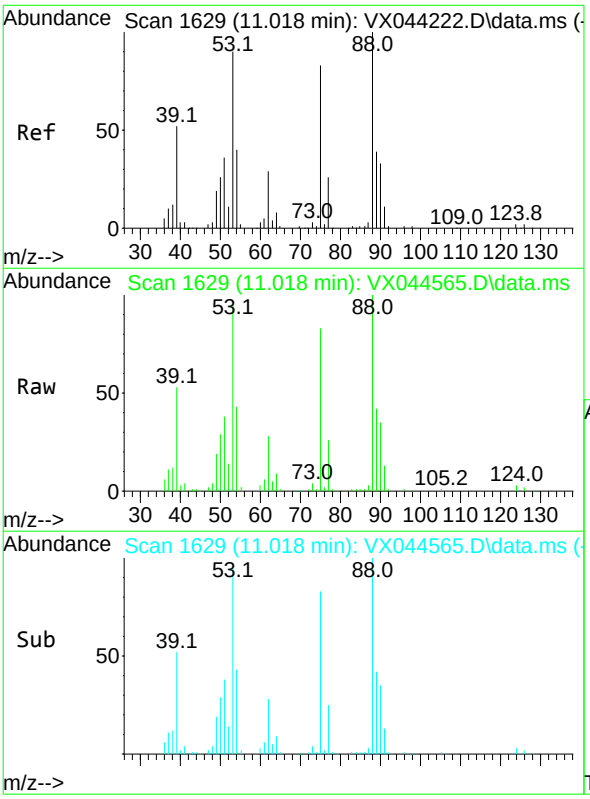
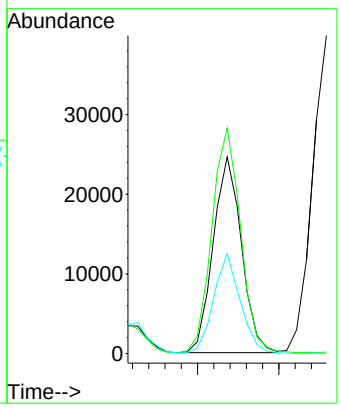


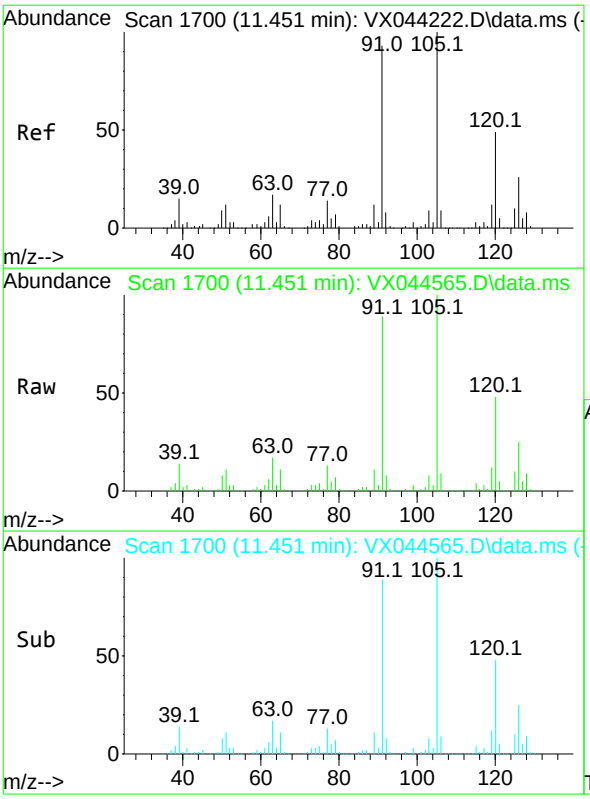


#81
trans-1,4-Dichloro-2-butene
Concen: 43.578 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 75 Resp: 29615

Ion	Ratio	Lower	Upper
75	100		
53	116.8	93.6	140.4
89	48.6	37.3	55.9





#82
4-Chlorotoluene
Concen: 50.544 ug/l
RT: 11.451 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 91 Resp: 272161

Ion	Ratio	Lower	Upper
91	100		
126	30.2	14.5	43.5

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
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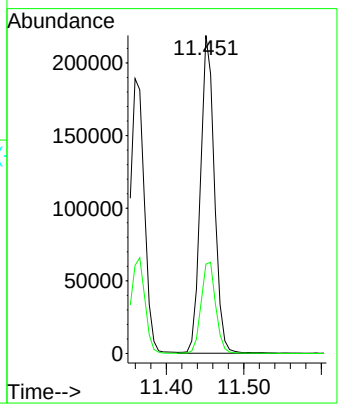
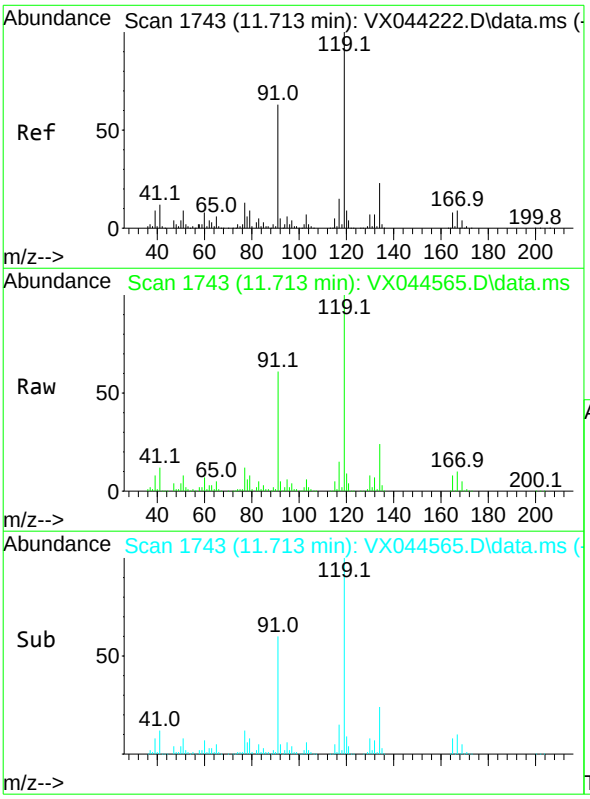
Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

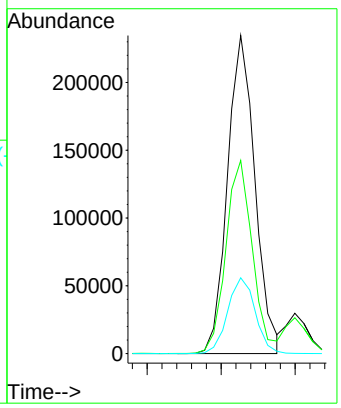


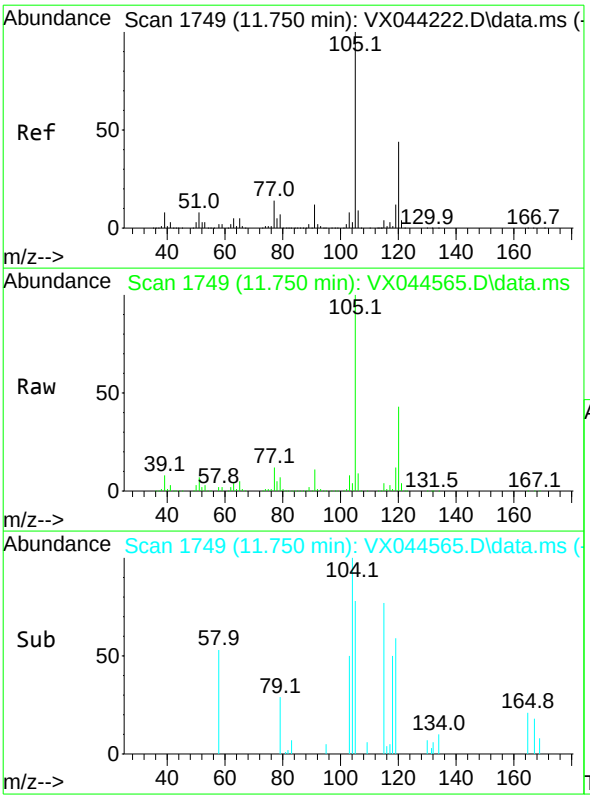


#83
tert-Butylbenzene
Concen: 54.308 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:119 Resp: 302779

Ion	Ratio	Lower	Upper
119	100		
91	58.9	30.9	92.5
134	23.9	11.5	34.4





#84
1,2,4-Trimethylbenzene
Concen: 52.861 ug/l
RT: 11.750 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:105 Resp: 292868

Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.7	65.1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
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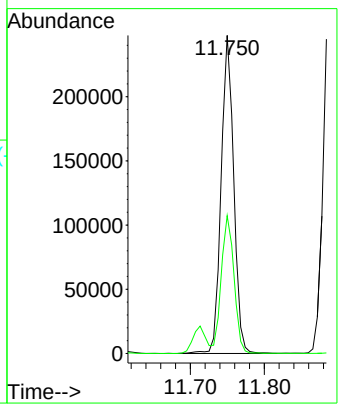
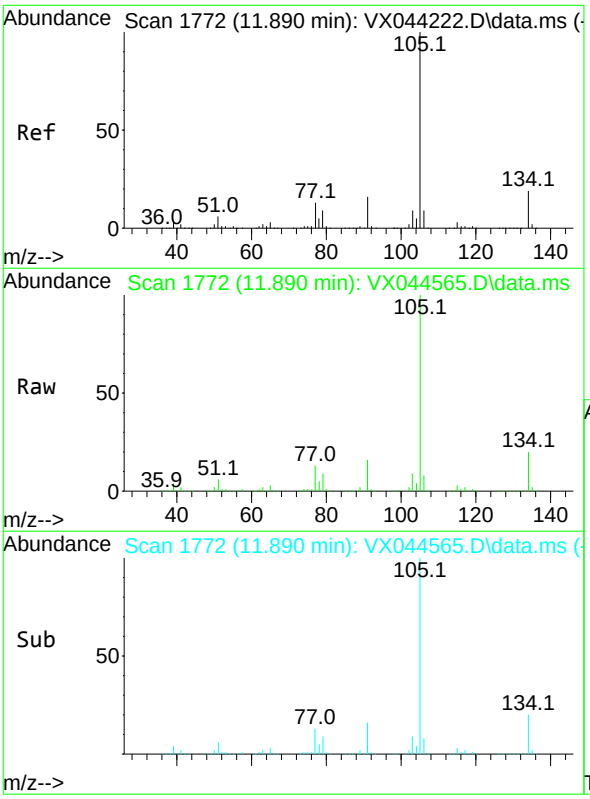
Supervised By :Mahesh Dadoda 12/31/2024

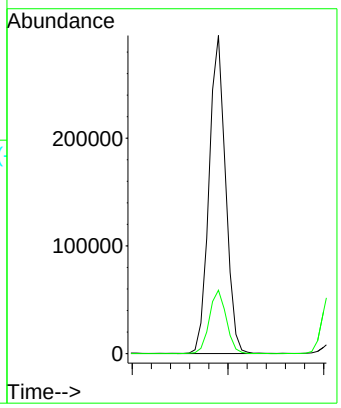


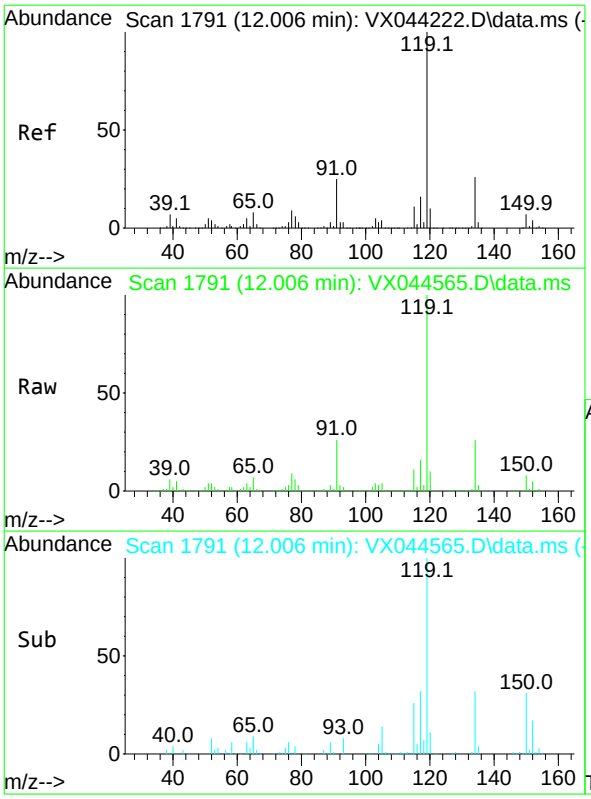


#85
sec-Butylbenzene
Concen: 52.258 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:105 Resp: 353700

Ion	Ratio	Lower	Upper
105	100		
134	20.5	9.8	29.4





#86
p-Isopropyltoluene
Concen: 53.335 ug/l
RT: 12.006 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:119 Resp: 300454

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.8	38.4
91	24.9	13.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
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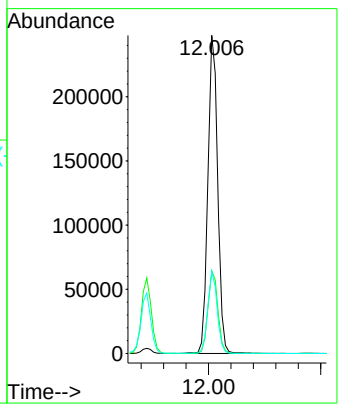
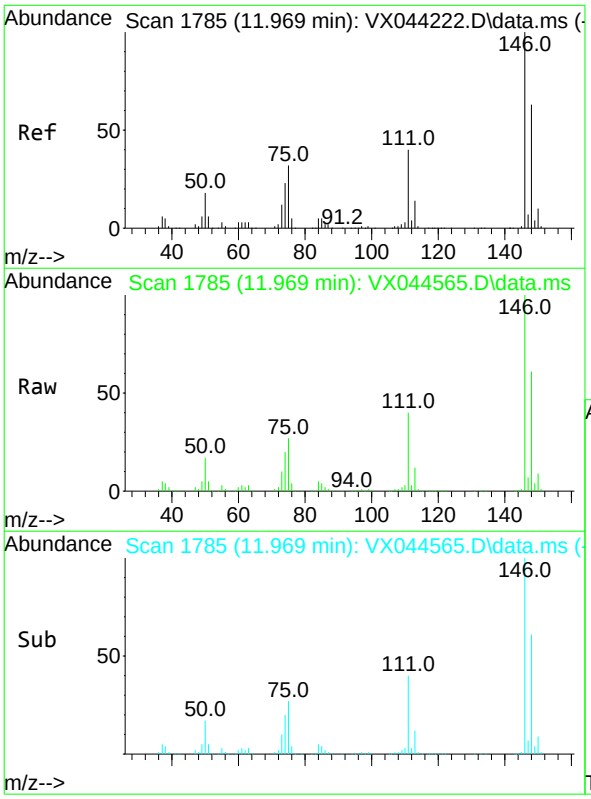
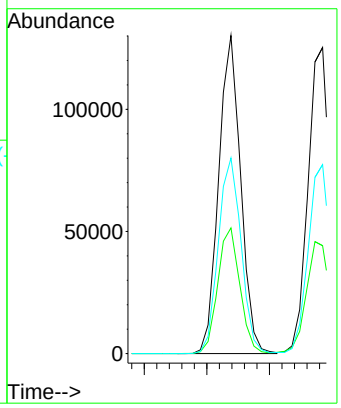


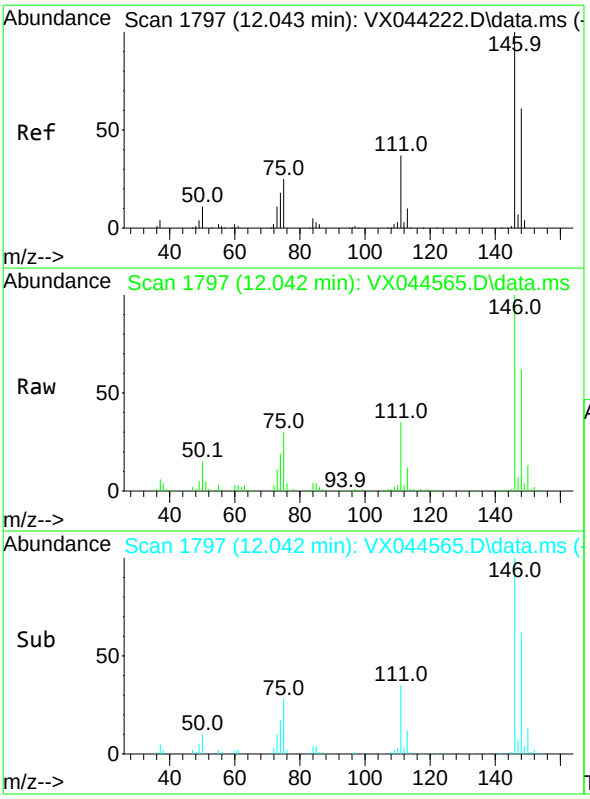


#87
1,3-Dichlorobenzene
Concen: 55.241 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:146 Resp: 159178

Ion	Ratio	Lower	Upper
146	100		
111	39.8	21.4	64.2
148	63.9	31.7	95.1





#88
1,4-Dichlorobenzene
Concen: 53.300 ug/l
RT: 12.042 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:146 Resp: 157882

Ion	Ratio	Lower	Upper
146	100		
111	38.2	21.0	63.0
148	61.8	32.3	96.8

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

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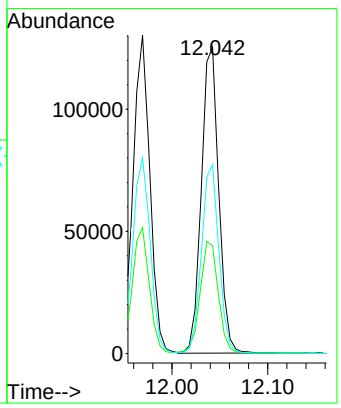
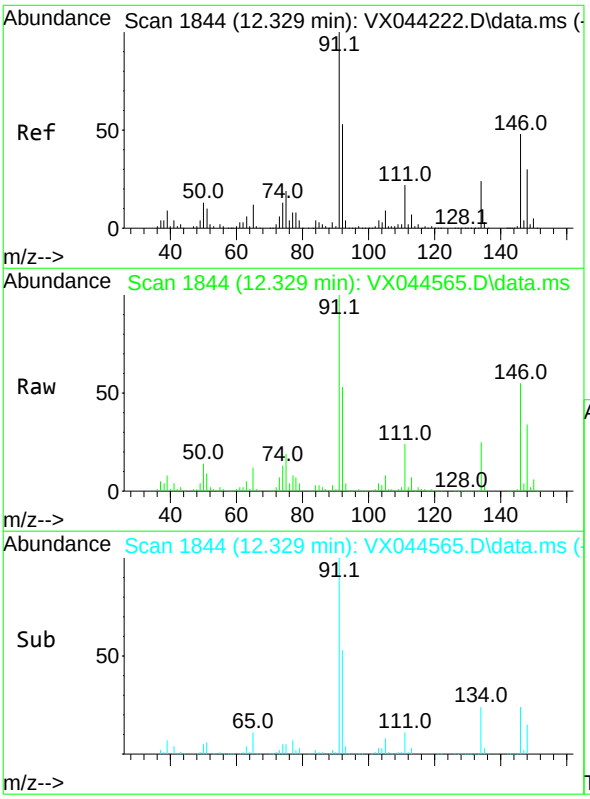
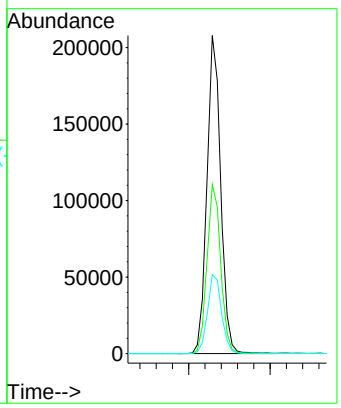


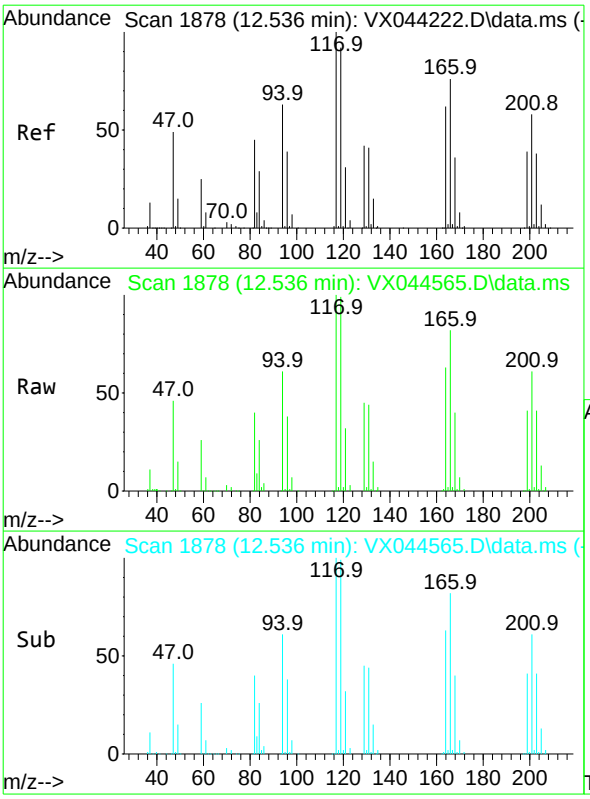


#89
n-Butylbenzene
Concen: 51.330 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 91 Resp: 243147

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.7
134	25.4	12.6	37.8





#90
Hexachloroethane
Concen: 56.528 ug/l
RT: 12.536 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:117 Resp: 46484

Ion	Ratio	Lower	Upper
117	100		
201	66.4	31.4	94.2

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

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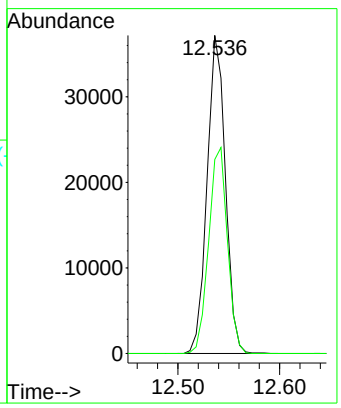
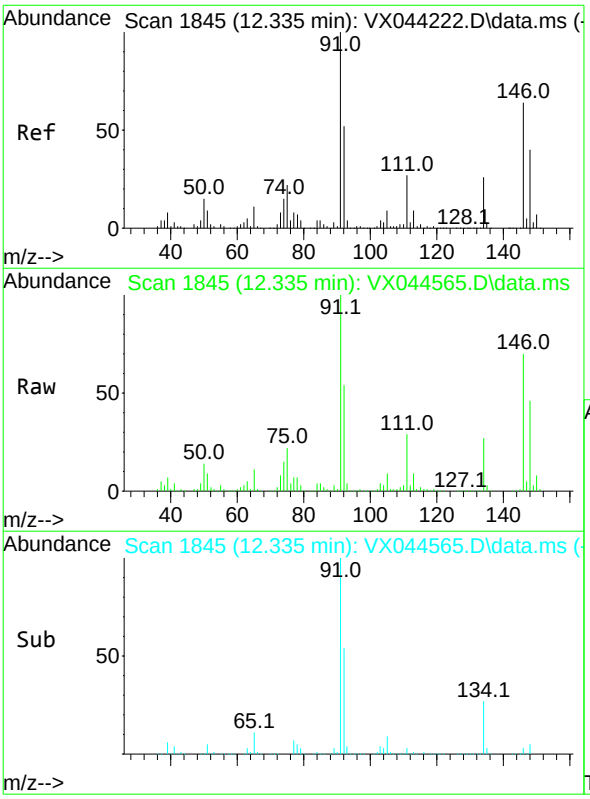
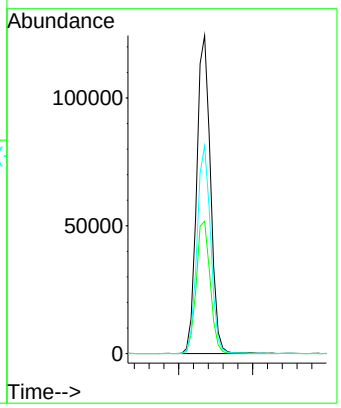


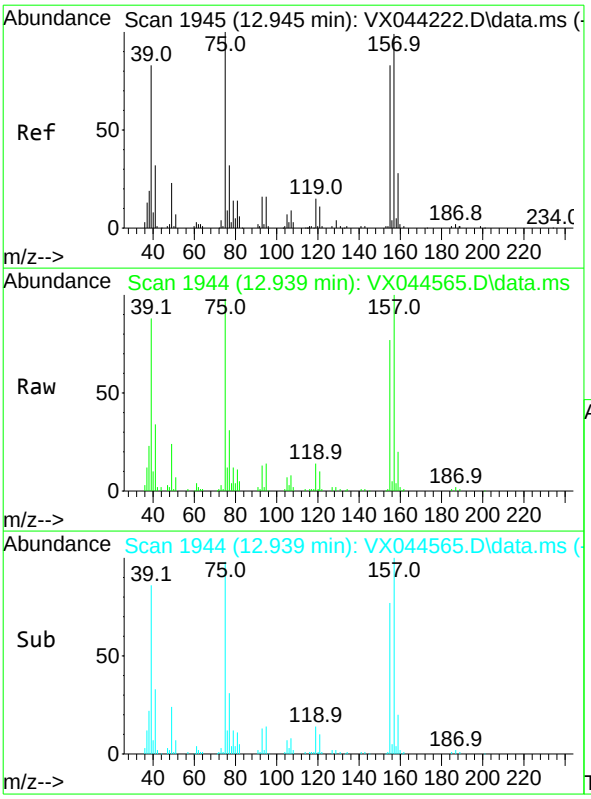


#91
1,2-Dichlorobenzene
Concen: 53.871 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:146 Resp: 161181

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.4	64.3
148	64.4	31.6	95.0





#92
1,2-Dibromo-3-Chloropropane
Concen: 52.174 ug/l
RT: 12.939 min Scan# 19
Delta R.T. -0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

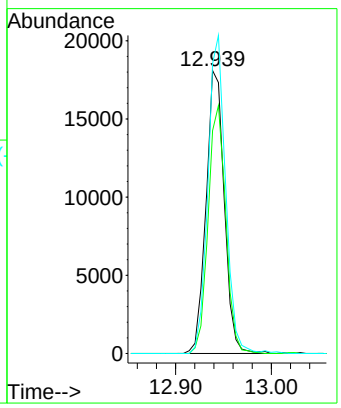
Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

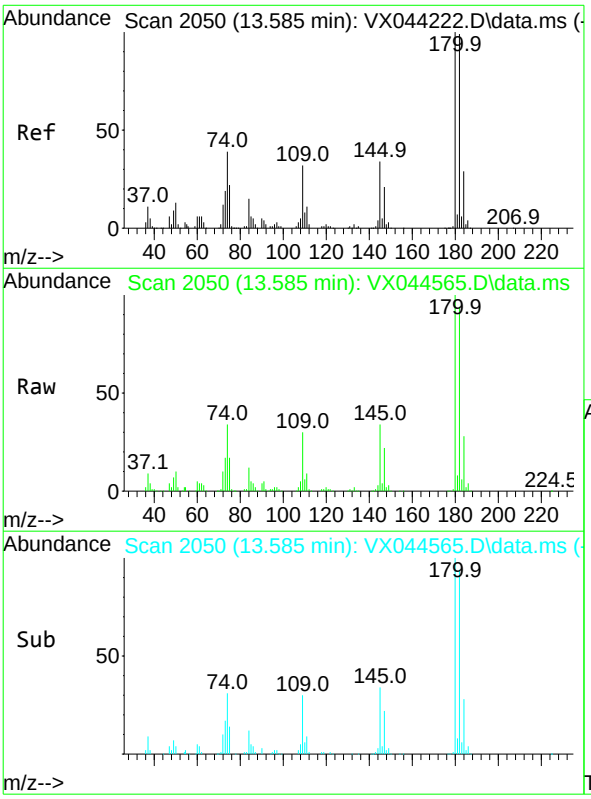
Tgt Ion: 75 Resp: 23931

Ion	Ratio	Lower	Upper
75	100		
155	84.8	38.1	114.3
157	109.3	47.2	141.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

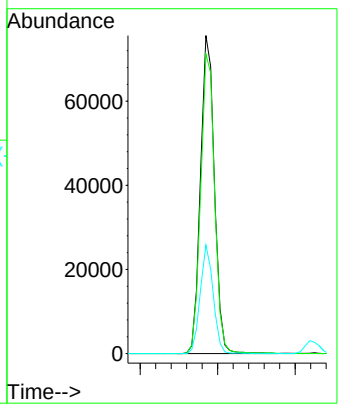


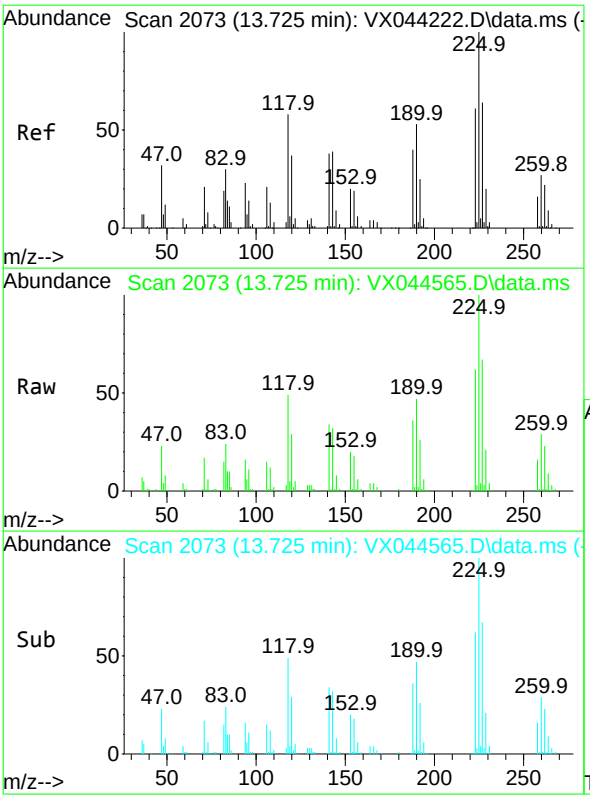


#93
1,2,4-Trichlorobenzene
Concen: 57.338 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:180 Resp: 94053

Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.0	144.2
145	31.9	16.6	49.7





#94
Hexachlorobutadiene
Concen: 58.794 ug/l
RT: 13.725 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

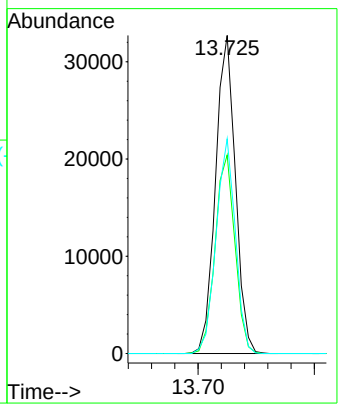
Tgt Ion:225 Resp: 38792

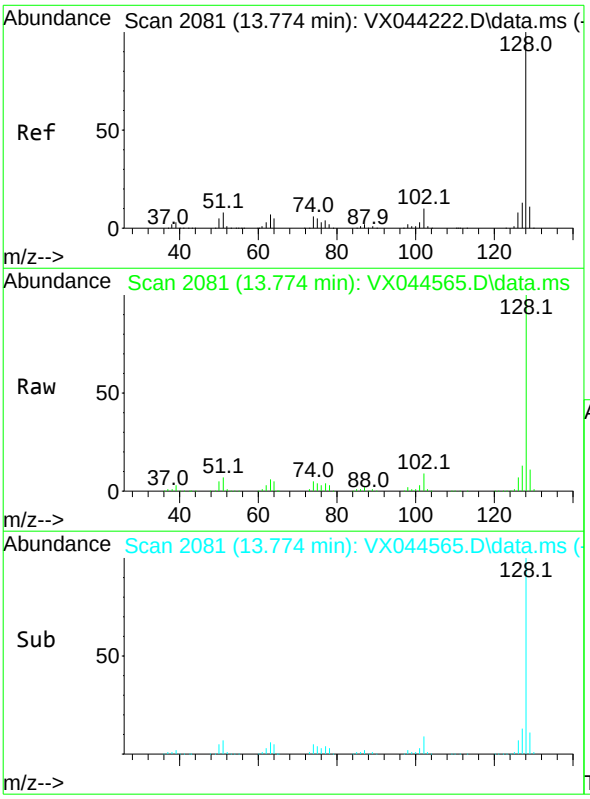
Ion	Ratio	Lower	Upper
225	100		
223	62.2	30.8	92.4
227	65.4	32.1	96.3

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

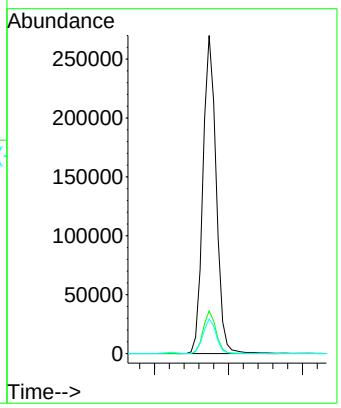


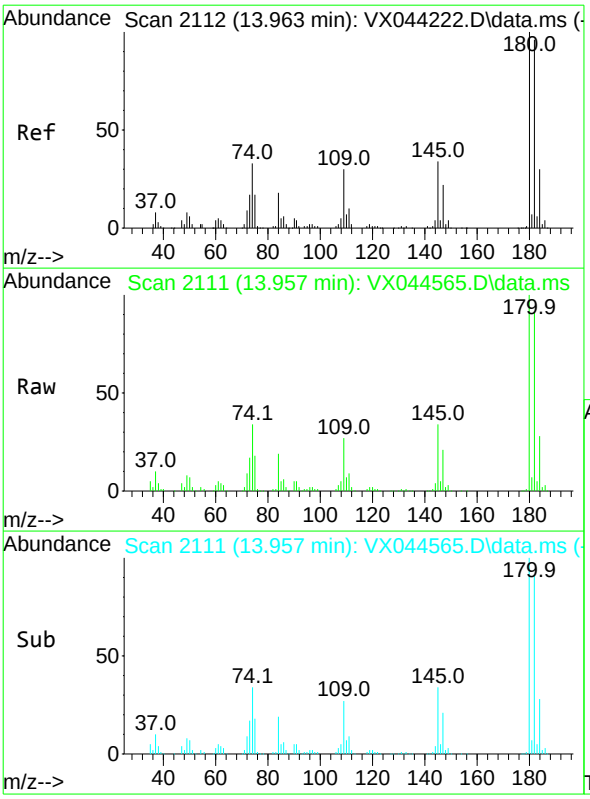


#95
Naphthalene
Concen: 52.326 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:128 Resp: 335035

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	9.0	13.4

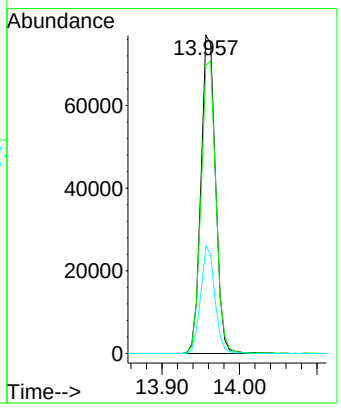




#96
1,2,3-Trichlorobenzene
Concen: 57.535 ug/l
RT: 13.957 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:180 Resp: 100100

Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.0	144.0
145	33.1	17.7	53.1



Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	vx121124	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX044219.D	1,1-Dichloropropene	JOHN	12/12/2024 9:55:42 AM	MMDadoda	12/12/2024 2:17:09 PM	Peak Integrated by Software
VSTDICC001	VX044219.D	1,2,3-Trichloropropane	JOHN	12/12/2024 9:55:42 AM	MMDadoda	12/12/2024 2:17:09 PM	Peak Integrated by Software
VSTDICC001	VX044219.D	1,4-Dichlorobenzene	JOHN	12/12/2024 9:55:42 AM	MMDadoda	12/12/2024 2:17:09 PM	Peak Integrated by Software
VSTDICC001	VX044219.D	1,4-Dioxane	JOHN	12/12/2024 9:55:42 AM	MMDadoda	12/12/2024 2:17:09 PM	Peak Integrated by Software
VSTDICC001	VX044219.D	Chloroethane	JOHN	12/12/2024 9:55:42 AM	MMDadoda	12/12/2024 2:17:09 PM	Peak Integrated by Software
VSTDICC001	VX044219.D	Methacrylonitrile	JOHN	12/12/2024 9:55:42 AM	MMDadoda	12/12/2024 2:17:09 PM	Peak Integrated by Software
VSTDICC005	VX044220.D	1,2,3-Trichloropropane	JOHN	12/12/2024 9:55:46 AM	MMDadoda	12/12/2024 2:17:07 PM	Peak Integrated by Software
VSTDICC005	VX044220.D	1,4-Dioxane	JOHN	12/12/2024 9:55:46 AM	MMDadoda	12/12/2024 2:17:07 PM	Peak Integrated by Software
VSTDICC005	VX044220.D	Tert butyl alcohol	JOHN	12/12/2024 9:55:46 AM	MMDadoda	12/12/2024 2:17:07 PM	Peak Integrated by Software
VSTDICC020	VX044221.D	1,2,3-Trichloropropane	JOHN	12/12/2024 9:56:10 AM	MMDadoda	12/12/2024 2:17:06 PM	Peak Integrated by Software
VSTDICC020	VX044221.D	1,4-Dioxane	JOHN	12/12/2024 9:56:10 AM	MMDadoda	12/12/2024 2:17:06 PM	Peak Integrated by Software
VSTDICC020	VX044221.D	Tert butyl alcohol	JOHN	12/12/2024 9:56:10 AM	MMDadoda	12/12/2024 2:17:06 PM	Peak Integrated by Software
VSTDICCC050	VX044222.D	1,2,3-Trichloropropane	JOHN	12/12/2024 9:56:15 AM	MMDadoda	12/12/2024 2:17:04 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vx121124	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC050	VX044222.D	1,4-Dioxane	JOHN	12/12/2024 9:56:15 AM	MMDadoda	12/12/2024 2:17:04 PM	Peak Integrated by Software
VSTDICCC050	VX044222.D	Tert butyl alcohol	JOHN	12/12/2024 9:56:15 AM	MMDadoda	12/12/2024 2:17:04 PM	Peak Integrated by Software
VSTDICC100	VX044223.D	1,2,3-Trichloropropane	JOHN	12/12/2024 9:56:19 AM	MMDadoda	12/12/2024 2:17:02 PM	Peak Integrated by Software
VSTDICC100	VX044223.D	1,4-Dioxane	JOHN	12/12/2024 9:56:19 AM	MMDadoda	12/12/2024 2:17:02 PM	Peak Integrated by Software
VSTDICC150	VX044224.D	1,2,3-Trichloropropane	JOHN	12/12/2024 9:56:22 AM	MMDadoda	12/12/2024 2:17:00 PM	Peak Integrated by Software
VSTDICC150	VX044224.D	1,4-Dioxane	JOHN	12/12/2024 9:56:22 AM	MMDadoda	12/12/2024 2:17:00 PM	Peak Integrated by Software
VSTDICV050	VX044226.D	1,2,3-Trichloropropane	JOHN	12/12/2024 9:56:27 AM	MMDadoda	12/12/2024 2:16:58 PM	Peak Integrated by Software
VSTDICV050	VX044226.D	1,4-Dioxane	JOHN	12/12/2024 9:56:27 AM	MMDadoda	12/12/2024 2:16:58 PM	Peak Integrated by Software
VSTDCCC050	VX044238.D	1,2,3-Trichloropropane	JOHN	12/12/2024 9:59:41 AM	MMDadoda	12/12/2024 2:16:39 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX123124	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX044540.D	1,2,3-Trichloropropane	SAM	12/31/2024 6:35:33 AM	MMDadoda	12/31/2024 6:37:01 AM	Peak Integrated by Software
VSTDCCC050	VX044540.D	1,4-Dioxane	SAM	12/31/2024 6:35:33 AM	MMDadoda	12/31/2024 6:37:01 AM	Peak Integrated by Software
VSTDCCC050	VX044540.D	Acetone	SAM	12/31/2024 6:35:33 AM	MMDadoda	12/31/2024 6:37:01 AM	Peak Integrated by Software
VX1231WBS01	VX044543.D	1,2,3-Trichloropropane	SAM	12/31/2024 6:35:36 AM	MMDadoda	12/31/2024 6:37:02 AM	Peak Integrated by Software
VX1231WBS01	VX044543.D	1,4-Dioxane	SAM	12/31/2024 6:35:36 AM	MMDadoda	12/31/2024 6:37:02 AM	Peak Integrated by Software
P5376-08MS	VX044564.D	1,2,3-Trichloropropane	SAM	12/31/2024 6:35:39 AM	MMDadoda	12/31/2024 6:37:04 AM	Peak Integrated by Software
P5376-09MSD	VX044565.D	1,2,3-Trichloropropane	SAM	12/31/2024 6:35:40 AM	MMDadoda	12/31/2024 6:37:06 AM	Peak Integrated by Software
VSTDCCC050	VX044566.D	1,2,3-Trichloropropane	SAM	12/31/2024 6:35:41 AM	MMDadoda	12/31/2024 6:37:07 AM	Peak Integrated by Software
VSTDCCC050	VX044568.D	1,2,3-Trichloropropane	JOHN	1/2/2025 9:32:00 AM	MMDadoda	1/2/2025 12:05:12 PM	Peak Integrated by Software
VX1231WBS02	VX044571.D	1,2,3-Trichloropropane	JOHN	1/2/2025 9:32:04 AM	MMDadoda	1/2/2025 12:05:13 PM	Peak Integrated by Software
VSTDCCC050	VX044576.D	1,2,3-Trichloropropane	JOHN	1/2/2025 9:32:13 AM	MMDadoda	1/2/2025 12:05:17 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX121124

Review By	John Carlone	Review On	12/12/2024 10:00:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/12/2024 2:17:22 PM		
SubDirectory	VX121124	HP Acquire Method		HP Processing Method	82X121124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132057
Initial Calibration Stds	VP132059,VP132060,VP132061,VP132062,VP132063,VP132064
CCC	VP132059,VP132134,VP132135,VP132136,VP132137,VP132138,VP132139
Internal Standard/PEM	
ICV/I.BLK	VP132065
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044218.D	11 Dec 2024 10:13	JC/MD	Ok
2	VSTDICC001	VX044219.D	11 Dec 2024 10:41	JC/MD	Ok,M
3	VSTDICC005	VX044220.D	11 Dec 2024 11:27	JC/MD	Ok,M
4	VSTDICC020	VX044221.D	11 Dec 2024 11:50	JC/MD	Ok,M
5	VSTDICCC050	VX044222.D	11 Dec 2024 12:14	JC/MD	Ok,M
6	VSTDICC100	VX044223.D	11 Dec 2024 12:37	JC/MD	Ok,M
7	VSTDICC150	VX044224.D	11 Dec 2024 13:00	JC/MD	Ok,M
8	IBLK	VX044225.D	11 Dec 2024 13:23	JC/MD	Ok
9	VSTDICV050	VX044226.D	11 Dec 2024 13:51	JC/MD	Ok,M
10	VX1211MBL01	VX044227.D	11 Dec 2024 14:28	JC/MD	Ok
11	VX1211WBL01	VX044228.D	11 Dec 2024 14:51	JC/MD	Ok
12	VX1211WBS01	VX044229.D	11 Dec 2024 15:42	JC/MD	Ok,M
13	VX1211WBSD01	VX044230.D	11 Dec 2024 16:08	JC/MD	Ok,M
14	IBLK	VX044231.D	11 Dec 2024 16:31	JC/MD	Ok
15	P4368-07 0.2PPB	VX044232.D	11 Dec 2024 16:54	JC/MD	Ok,M
16	P4368-07 0.5PPB	VX044233.D	11 Dec 2024 17:18	JC/MD	Ok,M
17	P4368-07 0.75PPB	VX044234.D	11 Dec 2024 17:41	JC/MD	Ok,M
18	P4368-07 2.5PPB	VX044235.D	11 Dec 2024 18:04	JC/MD	Ok,M
19	P4368-08 1.0PPB	VX044236.D	11 Dec 2024 18:28	JC/MD	Ok,M
20	P4368-08 5.0PPB	VX044237.D	11 Dec 2024 18:51	JC/MD	Ok,M
21	VSTDCCC050	VX044238.D	11 Dec 2024 19:14	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX123124

Review By	Semsettin Yesilyurt	Review On	12/31/2024 6:41:15 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/31/2024 6:42:18 AM		
SubDirectory	VX123124	HP Acquire Method		HP Processing Method	82X121124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132381,VP132384
Initial Calibration Stds	
CCC	VP132382,VP132383,VP132385,VP132386
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044539.D	30 Dec 2024 12:39	JC/MD	Ok
2	VSTDCCC050	VX044540.D	30 Dec 2024 13:07	JC/MD	Ok,M
3	VX1231MBL01	VX044541.D	30 Dec 2024 14:03	JC/MD	Ok
4	VX1231WBL01	VX044542.D	30 Dec 2024 14:26	JC/MD	Ok
5	VX1231WBS01	VX044543.D	30 Dec 2024 14:54	JC/MD	Ok,M
6	VX1231WBSD01	VX044544.D	30 Dec 2024 15:21	JC/MD	Ok,M
7	P5317-18DL	VX044545.D	30 Dec 2024 15:45	JC/MD	Ok
8	P5376-03	VX044546.D	30 Dec 2024 16:08	JC/MD	Ok
9	P5376-05	VX044547.D	30 Dec 2024 16:32	JC/MD	Not Ok
10	P5376-20	VX044548.D	30 Dec 2024 16:55	JC/MD	ReRun
11	P5376-21	VX044549.D	30 Dec 2024 17:18	JC/MD	Ok
12	P5376-01	VX044550.D	30 Dec 2024 17:41	JC/MD	Ok
13	P5376-02	VX044551.D	30 Dec 2024 18:05	JC/MD	Ok
14	P5376-04	VX044552.D	30 Dec 2024 18:28	JC/MD	Ok
15	P5376-06	VX044553.D	30 Dec 2024 18:51	JC/MD	Ok
16	P5376-10	VX044554.D	30 Dec 2024 19:14	JC/MD	Ok
17	P5376-11	VX044555.D	30 Dec 2024 19:38	JC/MD	Ok
18	P5376-12	VX044556.D	30 Dec 2024 20:01	JC/MD	Ok
19	P5376-13	VX044557.D	30 Dec 2024 20:24	JC/MD	Ok
20	P5376-14	VX044558.D	30 Dec 2024 20:48	JC/MD	Ok
21	P5376-15	VX044559.D	30 Dec 2024 21:11	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX123124

Review By	Semsettin Yesilyurt	Review On	12/31/2024 6:41:15 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/31/2024 6:42:18 AM		
SubDirectory	VX123124	HP Acquire Method		HP Processing Method	82X121124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132381,VP132384
Initial Calibration Stds	
CCC	VP132382,VP132383,VP132385,VP132386
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P5376-16	VX044560.D	30 Dec 2024 21:34	JC/MD	Ok
23	P5376-17	VX044561.D	30 Dec 2024 21:58	JC/MD	Ok
24	P5376-18	VX044562.D	30 Dec 2024 22:21	JC/MD	Ok
25	P5376-07	VX044563.D	30 Dec 2024 22:44	JC/MD	Ok
26	P5376-08MS	VX044564.D	30 Dec 2024 23:08	JC/MD	Ok,M
27	P5376-09MSD	VX044565.D	30 Dec 2024 23:31	JC/MD	Ok,M
28	VSTDCCC050	VX044566.D	30 Dec 2024 23:54	JC/MD	Ok,M
29	BFB	VX044567.D	31 Dec 2024 08:07	JC/MD	Ok
30	VSTDCCC050	VX044568.D	31 Dec 2024 10:00	JC/MD	Ok,M
31	VX1231MBL02	VX044569.D	31 Dec 2024 10:26	JC/MD	Ok
32	VX1231WBL02	VX044570.D	31 Dec 2024 10:49	JC/MD	Ok
33	VX1231WBS02	VX044571.D	31 Dec 2024 11:12	JC/MD	Ok,M
34	VX1231WBSD02	VX044572.D	31 Dec 2024 11:51	JC/MD	Ok,M
35	P5376-05	VX044573.D	31 Dec 2024 12:14	JC/MD	Ok
36	P5376-20	VX044574.D	31 Dec 2024 12:37	JC/MD	Ok
37	P5376-19	VX044575.D	31 Dec 2024 13:01	JC/MD	Ok
38	VSTDCCC050	VX044576.D	31 Dec 2024 13:27	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX121124

Review By	John Carlone	Review On	12/12/2024 10:00:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/12/2024 2:17:22 PM		
SubDirectory	VX121124	HP Acquire Method		HP Processing Method	82X121124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132057
Initial Calibration Stds	VP132059,VP132060,VP132061,VP132062,VP132063,VP132064
CCC	VP132059,VP132134,VP132135,VP132136,VP132137,VP132138,VP132139
Internal Standard/PEM	
ICV/I.BLK	VP132065
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044218.D	11 Dec 2024 10:13		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX044219.D	11 Dec 2024 10:41		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX044220.D	11 Dec 2024 11:27		JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX044221.D	11 Dec 2024 11:50		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX044222.D	11 Dec 2024 12:14		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX044223.D	11 Dec 2024 12:37		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX044224.D	11 Dec 2024 13:00		JC/MD	Ok,M
8	IBLK	IBLK	VX044225.D	11 Dec 2024 13:23		JC/MD	Ok
9	VSTDICV050	ICVVX121124	VX044226.D	11 Dec 2024 13:51		JC/MD	Ok,M
10	VX1211MBL01	VX1211MBL01	VX044227.D	11 Dec 2024 14:28		JC/MD	Ok
11	VX1211WBL01	VX1211WBL01	VX044228.D	11 Dec 2024 14:51		JC/MD	Ok
12	VX1211WBS01	VX1211WBS01	VX044229.D	11 Dec 2024 15:42		JC/MD	Ok,M
13	VX1211WBSD01	VX1211WBSD01	VX044230.D	11 Dec 2024 16:08		JC/MD	Ok,M
14	IBLK	IBLK	VX044231.D	11 Dec 2024 16:31		JC/MD	Ok
15	P4368-07 0.2PPB	LOD-MDL-WATER-01-(	VX044232.D	11 Dec 2024 16:54		JC/MD	Ok,M
16	P4368-07 0.5PPB	LOD-MDL-WATER-01-(	VX044233.D	11 Dec 2024 17:18		JC/MD	Ok,M
17	P4368-07 0.75PPB	LOD-MDL-WATER-01-(	VX044234.D	11 Dec 2024 17:41		JC/MD	Ok,M
18	P4368-07 2.5PPB	LOD-MDL-WATER-01-(	VX044235.D	11 Dec 2024 18:04		JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX121124

Review By	John Carlone	Review On	12/12/2024 10:00:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/12/2024 2:17:22 PM		
SubDirectory	VX121124	HP Acquire Method		HP Processing Method	82X121124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132057
Initial Calibration Stds	VP132059,VP132060,VP132061,VP132062,VP132063,VP132064
CCC	VP132059,VP132134,VP132135,VP132136,VP132137,VP132138,VP132139
Internal Standard/PEM	
ICV/I.BLK	VP132065
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4368-08 1.0PPB	LOQ-WATER-02-QT4-2	VX044236.D	11 Dec 2024 18:28		JC/MD	Ok,M
20	P4368-08 5.0PPB	LOQ-WATER-02-QT4-2	VX044237.D	11 Dec 2024 18:51		JC/MD	Ok,M
21	VSTDCCC050	VSTDCCC050EC	VX044238.D	11 Dec 2024 19:14		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX123124

Review By	Semsettin Yesilyurt	Review On	12/31/2024 6:41:15 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/31/2024 6:42:18 AM		
SubDirectory	VX123124	HP Acquire Method		HP Processing Method	82X121124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132381,VP132384
Initial Calibration Stds	
CCC	VP132382,VP132383,VP132385,VP132386
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044539.D	30 Dec 2024 12:39		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX044540.D	30 Dec 2024 13:07	V13516	JC/MD	Ok,M
3	VX1231MBL01	VX1231MBL01	VX044541.D	30 Dec 2024 14:03		JC/MD	Ok
4	VX1231WBL01	VX1231WBL01	VX044542.D	30 Dec 2024 14:26		JC/MD	Ok
5	VX1231WBS01	VX1231WBS01	VX044543.D	30 Dec 2024 14:54		JC/MD	Ok,M
6	VX1231WBSD01	VX1231WBSD01	VX044544.D	30 Dec 2024 15:21		JC/MD	Ok,M
7	P5317-18DL	RE132D5-20241217DL	VX044545.D	30 Dec 2024 15:45	vial B pH<2	JC/MD	Ok
8	P5376-03	RE115D2-20241218	VX044546.D	30 Dec 2024 16:08	vial A pH<2	JC/MD	Ok
9	P5376-05	DUP-07-20241218	VX044547.D	30 Dec 2024 16:32	Need straight run	JC/MD	Not Ok
10	P5376-20	FB03-20241219	VX044548.D	30 Dec 2024 16:55	vial A pH<2 FB; Hit of comp #30	JC/MD	ReRun
11	P5376-21	TB	VX044549.D	30 Dec 2024 17:18	vial A pH<2 TB	JC/MD	Ok
12	P5376-01	TT205S1-20241218	VX044550.D	30 Dec 2024 17:41	vial A pH<2	JC/MD	Ok
13	P5376-02	TT150S1-20241218	VX044551.D	30 Dec 2024 18:05	vial A pH<2	JC/MD	Ok
14	P5376-04	TT149S1-20241218	VX044552.D	30 Dec 2024 18:28	vial A pH<2	JC/MD	Ok
15	P5376-06	TT174I1-20241218	VX044553.D	30 Dec 2024 18:51	vial A pH<2	JC/MD	Ok
16	P5376-10	RW10-MW01D-202412	VX044554.D	30 Dec 2024 19:14	vial A pH<2	JC/MD	Ok
17	P5376-11	RW10A-MW01S-20241	VX044555.D	30 Dec 2024 19:38	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX123124

Review By	Semsettin Yesilyurt	Review On	12/31/2024 6:41:15 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/31/2024 6:42:18 AM		
SubDirectory	VX123124	HP Acquire Method		HP Processing Method	82X121124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132381,VP132384
Initial Calibration Stds	
CCC	VP132382,VP132383,VP132385,VP132386
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P5376-12	RW10A-MW01I-202412	VX044556.D	30 Dec 2024 20:01	vial A pH<2	JC/MD	Ok
19	P5376-13	RE117D2-20241218	VX044557.D	30 Dec 2024 20:24	vial A pH<2	JC/MD	Ok
20	P5376-14	TT161S1-20241219	VX044558.D	30 Dec 2024 20:48	vial A pH<2	JC/MD	Ok
21	P5376-15	TT162S1-20241219	VX044559.D	30 Dec 2024 21:11	vial A pH<2	JC/MD	Ok
22	P5376-16	RW11-MW01S-202412	VX044560.D	30 Dec 2024 21:34	vial A pH<2	JC/MD	Ok
23	P5376-17	RW11-MW01I-2024121	VX044561.D	30 Dec 2024 21:58	vial A pH<2	JC/MD	Ok
24	P5376-18	TT119S1-20241219	VX044562.D	30 Dec 2024 22:21	vial A pH<2	JC/MD	Ok
25	P5376-07	RW10-MW01S-202412	VX044563.D	30 Dec 2024 22:44	vial A pH<2	JC/MD	Ok
26	P5376-08MS	RW10-MW01S-202412	VX044564.D	30 Dec 2024 23:08	vial A pH<2	JC/MD	Ok,M
27	P5376-09MSD	RW10-MW01S-202412	VX044565.D	30 Dec 2024 23:31	vial A pH<2	JC/MD	Ok,M
28	VSTDCCC050	VSTDCCC050EC	VX044566.D	30 Dec 2024 23:54		JC/MD	Ok,M
29	BFB	BFB	VX044567.D	31 Dec 2024 08:07		JC/MD	Ok
30	VSTDCCC050	VSTDCCC050	VX044568.D	31 Dec 2024 10:00		JC/MD	Ok,M
31	VX1231MBL02	VX1231MBL02	VX044569.D	31 Dec 2024 10:26		JC/MD	Ok
32	VX1231WBL02	VX1231WBL02	VX044570.D	31 Dec 2024 10:49		JC/MD	Ok
33	VX1231WBS02	VX1231WBS02	VX044571.D	31 Dec 2024 11:12		JC/MD	Ok,M
34	VX1231WBSD02	VX1231WBSD02	VX044572.D	31 Dec 2024 11:51		JC/MD	Ok,M
35	P5376-05	DUP-07-20241218	VX044573.D	31 Dec 2024 12:14	vial A pH<2	JC/MD	Ok
36	P5376-20	FB03-20241219	VX044574.D	31 Dec 2024 12:37	vial B pH<2 FB; Hit of comp #30	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX123124

Review By	Semsettin Yesilyurt	Review On	12/31/2024 6:41:15 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/31/2024 6:42:18 AM		
SubDirectory	VX123124	HP Acquire Method		HP Processing Method	82X121124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132381,VP132384
Initial Calibration Stds	
CCC	VP132382,VP132383,VP132385,VP132386
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

37	P5376-19	TT188S1-20241219	VX044575.D	31 Dec 2024 13:01	vial A pH<2	JC/MD	Ok
38	VSTDCCC050	VSTDCCC050EC	VX044576.D	31 Dec 2024 13:27		JC/MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : P5376

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VX123124,

Standard ID :
VP130430,VP131746,VP131767,VP131987,VP132005,VP132035,VP132096,VP132381,VP132382,VP132383,VP132384,VP132385,VP132386,

Chemical ID :
V13391,V13445,V13457,V13460,V13465,V13466,V13707,V13806,V14020,V14021,V14105,V14106,V14145,V14152,V14154,V14173,V14174,V14192,V14194,V14201,V14289,V14434,V14437,V14614,V14630,V14631,V14632,V14633,V14650,V14651,V14652,W3112,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
617	8260 Surrogate, 400PPM	VP130430	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/26/2024

FROM 0.40000ml of V13707 + 24.60000ml of V14145 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP131746	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/23/2024

FROM 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP131987	12/06/2024	01/05/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14652 + 1.50000ml of V14650 + 1.50000ml of V14651 + 21.00000ml of V14152 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP132005	12/09/2024	01/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 0.40000ml of V13445 + 1.00000ml of V13806 + 1.00000ml of V14020 + 1.00000ml of V14021 + 1.00000ml of V14105 + 1.00000ml of V14106 + 1.00000ml of V14173 + 1.00000ml of V14174 + 1.00000ml of V14194 + 1.00000ml of V14434 + 1.00000ml of V14437 + 1.50000ml of V14192 + 1.50000ml of V14201 + 10.60000ml of V14152 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP132096	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.00000ml of V13465 + 1.00000ml of V13466 + 1.50000ml of V13457 + 1.50000ml of V13460 + 20.00000ml of V14614 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP132381	12/30/2024	12/31/2024	John Carlone	None	None	Mahesh Dadoda 12/31/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP132382	12/30/2024	12/31/2024	John Carlone	None	None	Mahesh Dadoda 12/31/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP131987 + 0.01250ml of VP132005 + 0.01250ml of VP132035 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP132383	12/30/2024	12/31/2024	John Carlone	None	None	Mahesh Dadoda 12/31/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP131987 + 0.01250ml of VP132005 + 0.01250ml of VP132035 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP132384	12/31/2024	01/01/2025	John Carlone	None	None	Mahesh Dadoda 01/02/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP132385	12/31/2024	01/01/2025	John Carlone	None	None	Mahesh Dadoda 01/02/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP131987 + 0.01250ml of VP132005 + 0.01250ml of VP132035 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP132386	12/31/2024	01/01/2025	John Carlone	None	None	Mahesh Dadoda 01/02/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP131987 + 0.01250ml of VP132005 + 0.01250ml of VP132035 = Final Quantity: 40.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0181905	02/28/2025	11/26/2024 / SAM	01/23/2023 / SAM	V13445

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13457

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13460

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13465

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13466

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	06/10/2025	06/10/2024 / SAM	04/12/2023 / SAM	V13707

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0194279	03/16/2025	09/16/2024 / SAM	05/31/2023 / SAM	V13806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	032922	03/29/2025	11/26/2024 / SAM	11/22/2023 / SAM	V14020

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	032922	03/29/2025	11/26/2024 / SAM	11/22/2023 / SAM	V14021

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0205179	05/26/2025	11/26/2024 / SAM	12/22/2023 / SAM	V14105

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0205179	05/26/2025	11/26/2024 / SAM	12/22/2023 / SAM	V14106

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	02/28/2025	08/29/2024 / SAM	02/06/2024 / SAM	V14145

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	04/14/2025	10/14/2024 / SAM	02/06/2024 / SAM	V14152

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	05/26/2025	11/26/2024 / SAM	02/20/2024 / SAM	V14173

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	05/26/2025	11/26/2024 / SAM	02/20/2024 / SAM	V14174

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	05/26/2025	11/26/2024 / SAM	02/28/2024 / SAM	V14192

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	05/26/2025	11/26/2024 / SAM	02/28/2024 / SAM	V14194

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	05/26/2025	11/26/2024 / SAM	02/28/2024 / SAM	V14201

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	05/26/2025	11/26/2024 / SAM	08/15/2024 / SAM	V14434

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	05/26/2025	11/26/2024 / SAM	08/15/2024 / SAM	V14437

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	06/10/2025	12/10/2024 / SAM	11/26/2024 / SAM	V14614

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14630

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14631

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14632

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14633

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	120524	01/05/2025	12/06/2024 / SAM	12/06/2024 / SAM	V14650

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	120524	01/05/2025	12/06/2024 / SAM	12/06/2024 / SAM	V14651

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	120524	01/05/2025	12/06/2024 / SAM	12/06/2024 / SAM	V14652

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Bottel

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
59 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB
Weight(s) shown below were combined and diluted to (mL): 100.0

Solvent(s):	Lot#
Methanol	EG359-USQ12

5E-05 Balance Uncertainty
0.021 Flask Uncertainty

Formulated By: Prashant Chauhan — 021624 DATE
Reviewed By: Pedro L. Rentas — 021624 DATE

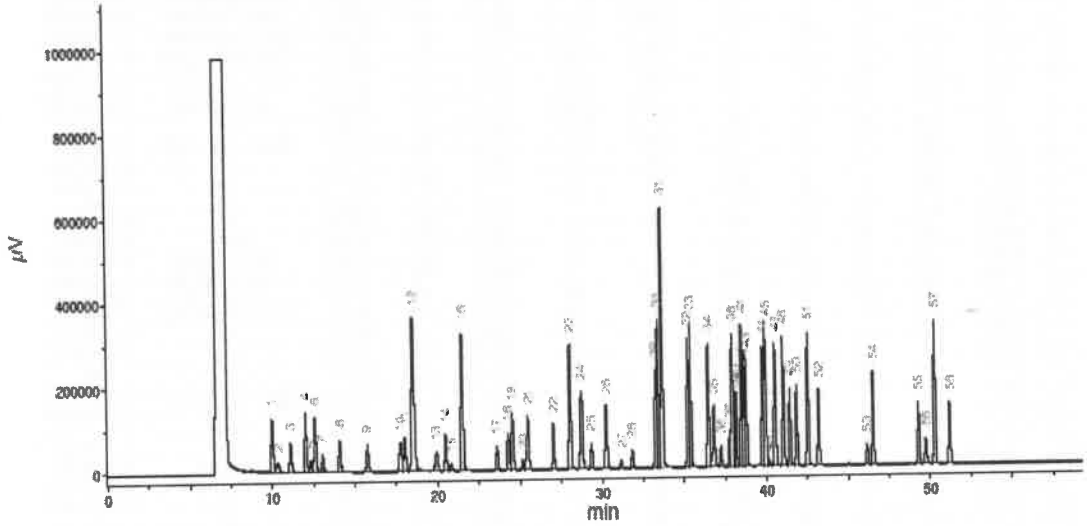
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBF6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK16CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF6718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	16930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 106mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 750mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1384mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	22.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.48
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	38.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
59 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB
Weight(s) shown below were combined and diluted to (mL): 100.0

Solvent(s):	Lot#
Methanol	EG359-USQ12

5E-05 Balance Uncertainty
0.021 Flask Uncertainty

Formulated By: Prashant Chauhan — 021624 DATE
Reviewed By: Pedro L. Rentas — 021624 DATE

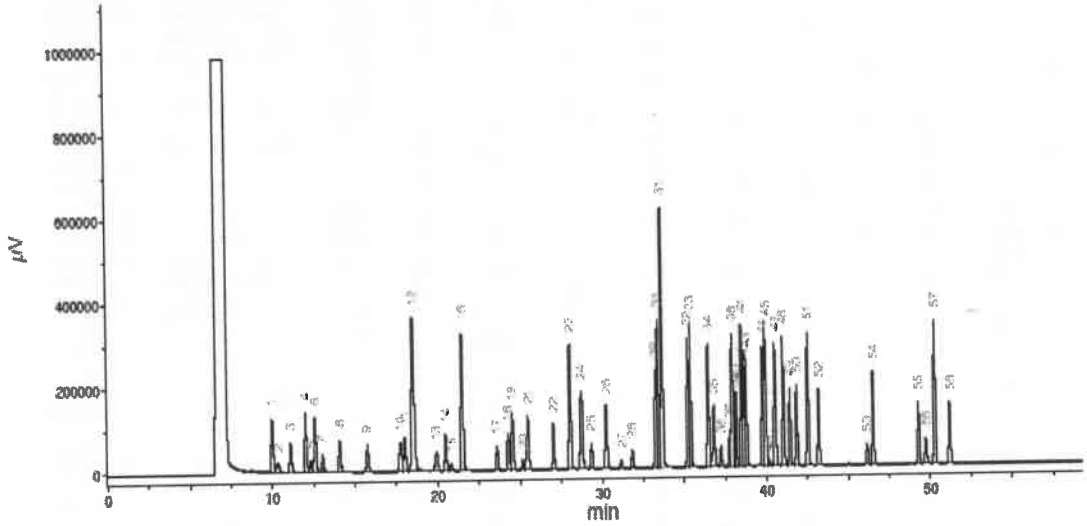
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBF6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK16CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF6718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	16930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 106mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 750mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1384mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	22.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.48
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	38.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

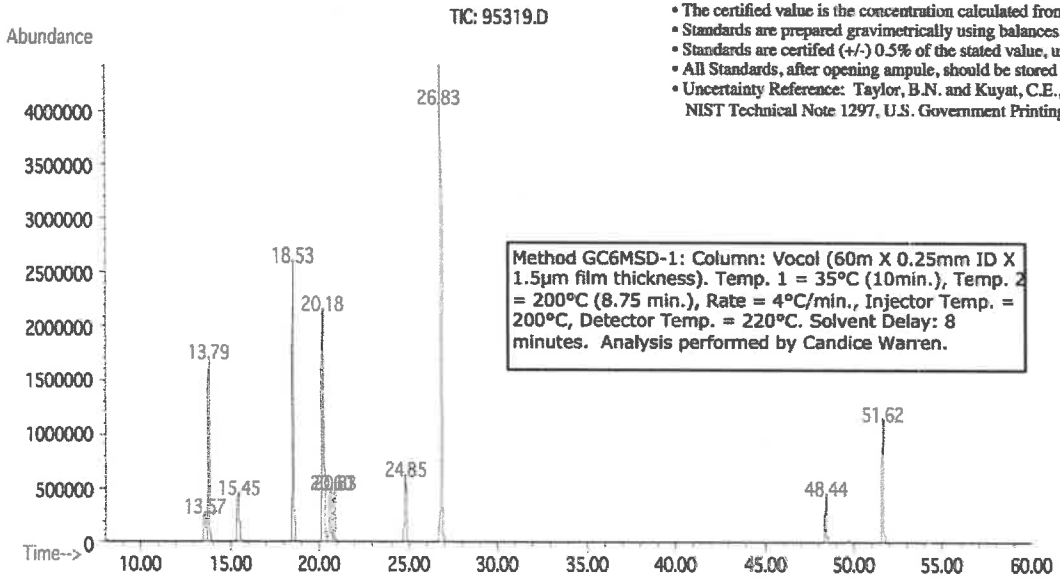
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Solvent(s): Methanol **Lot#** EC592-US

Formulated By:	Prashant Chauhan	032922 DATE
Reviewed By:	Pedro L. Rentas	032922 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

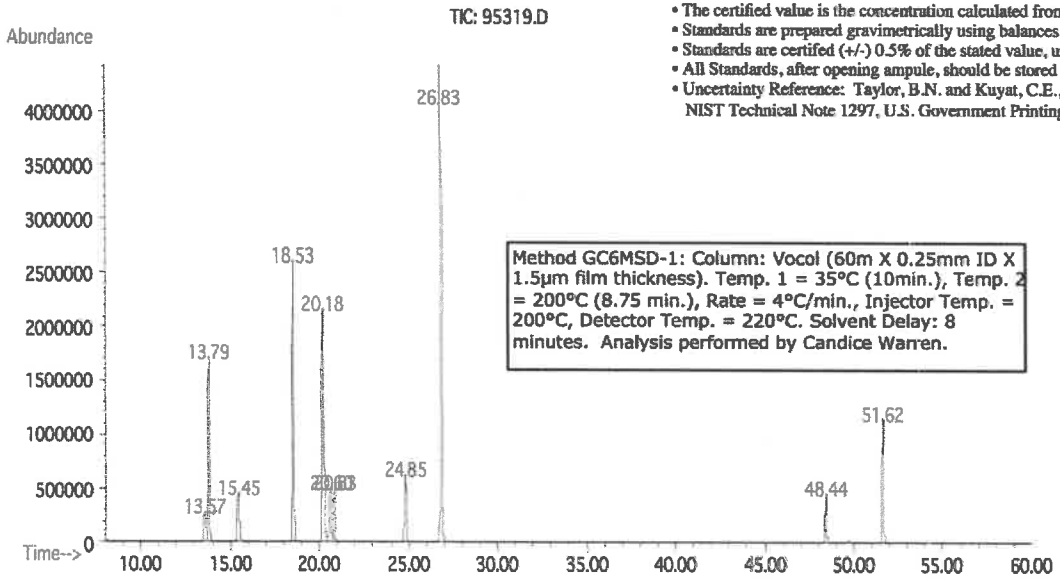
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Solvent(s): Methanol **Lot#** EC592-US

Formulated By:	Prashant Chauhan	032922 DATE
Reviewed By:	Pedro L. Rentas	032922 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Exp 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

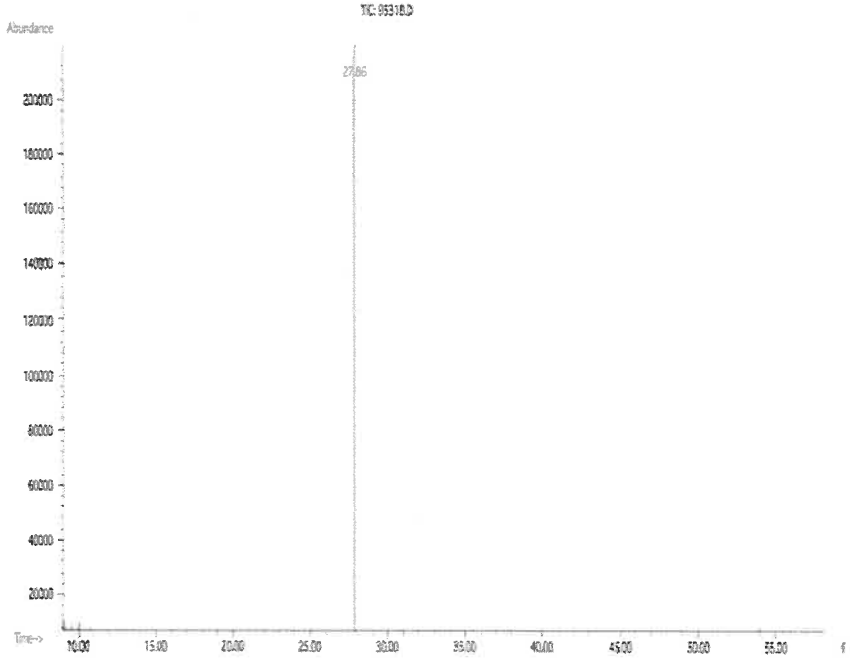
V14630 to
V14649

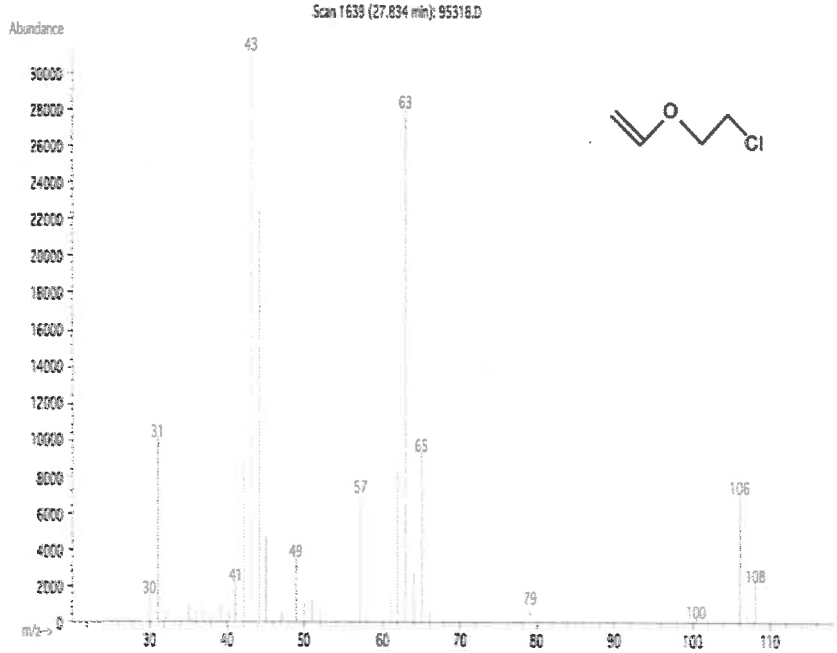
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

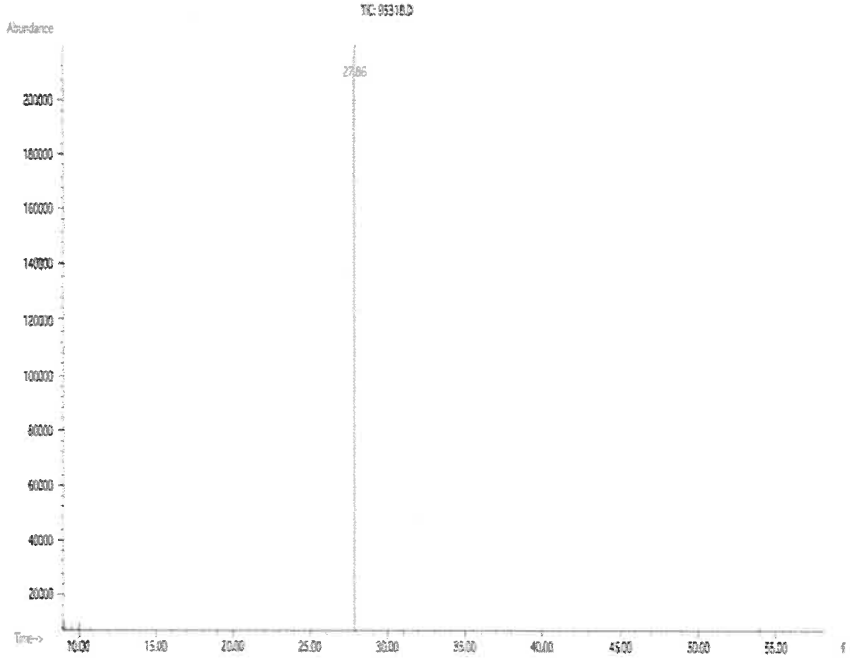
V14630 to
V14649

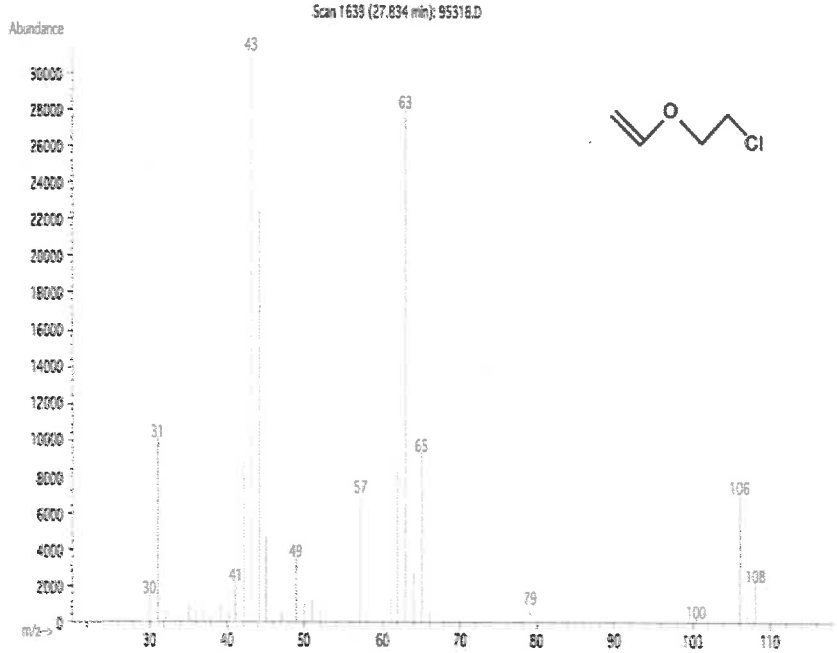
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

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Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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20 vial

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

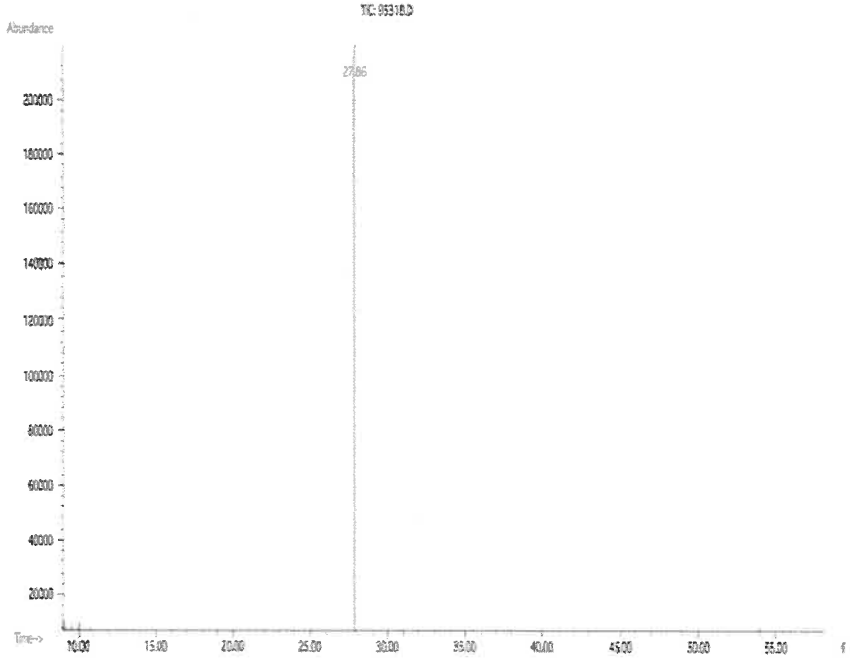
V14630 to
V14649

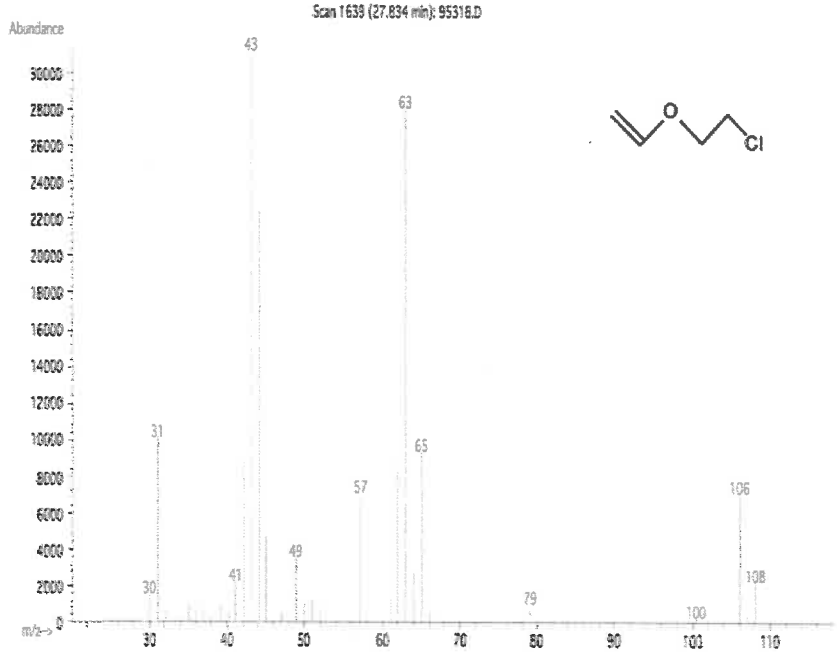
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Exp 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

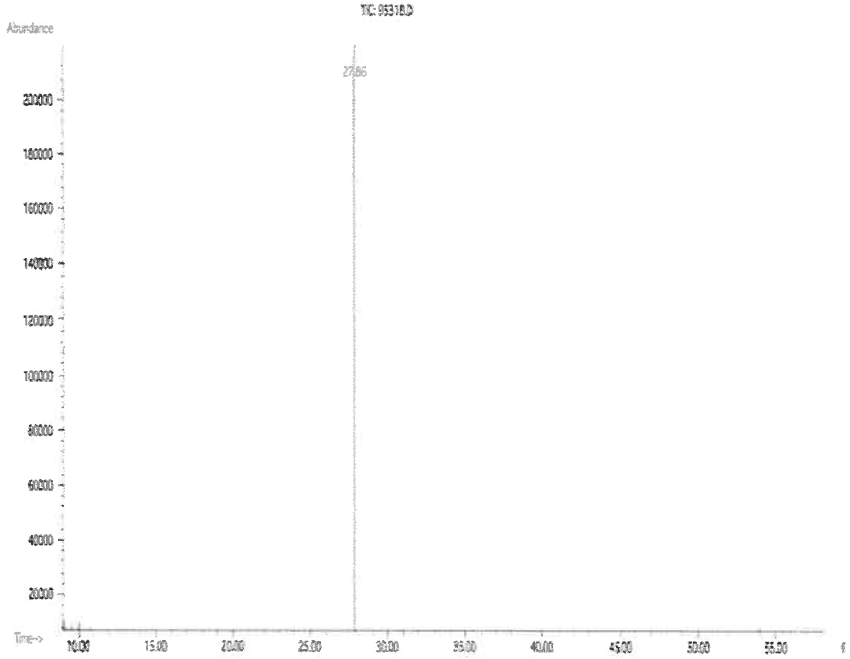
V14630 to
V14649

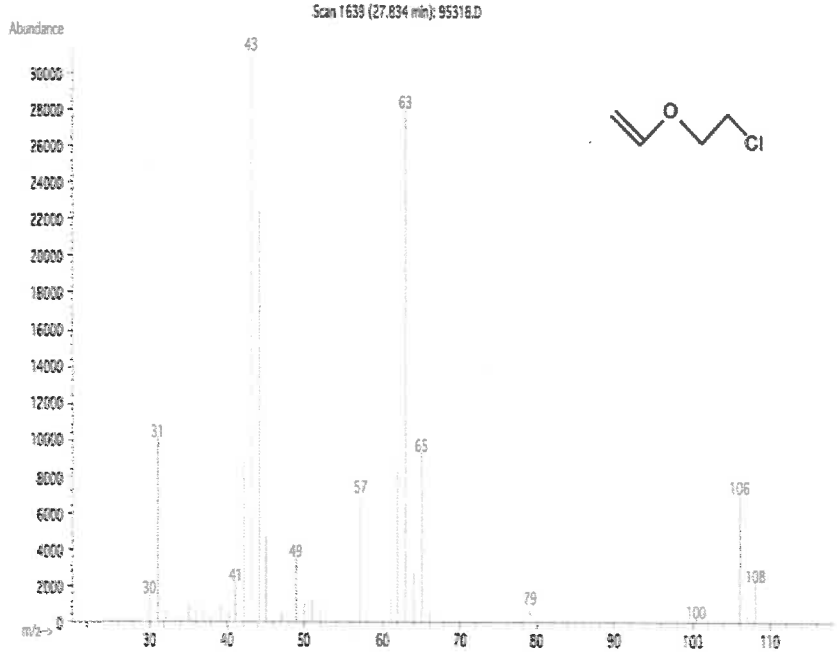
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified Reference Material CRM

Rec 12/6/24
5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 120524
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

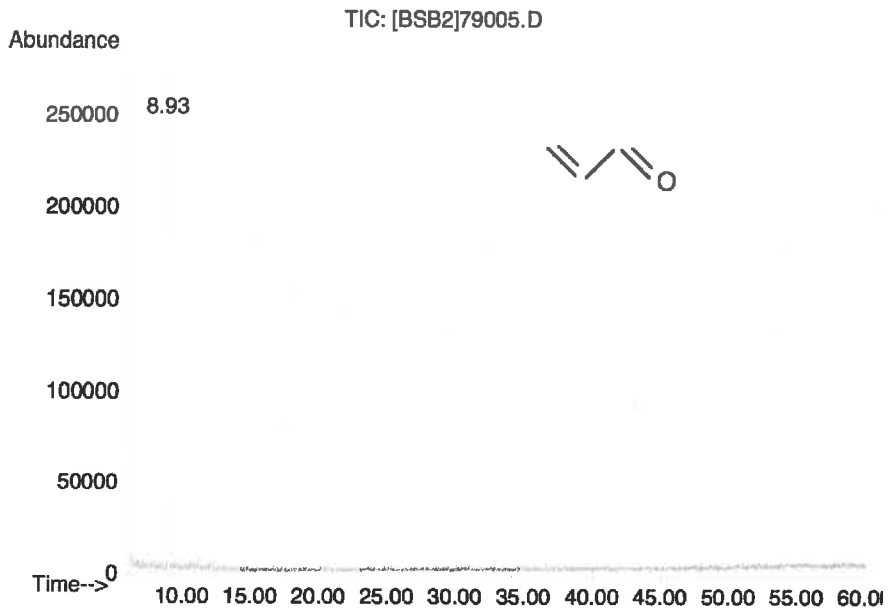
V14650-54

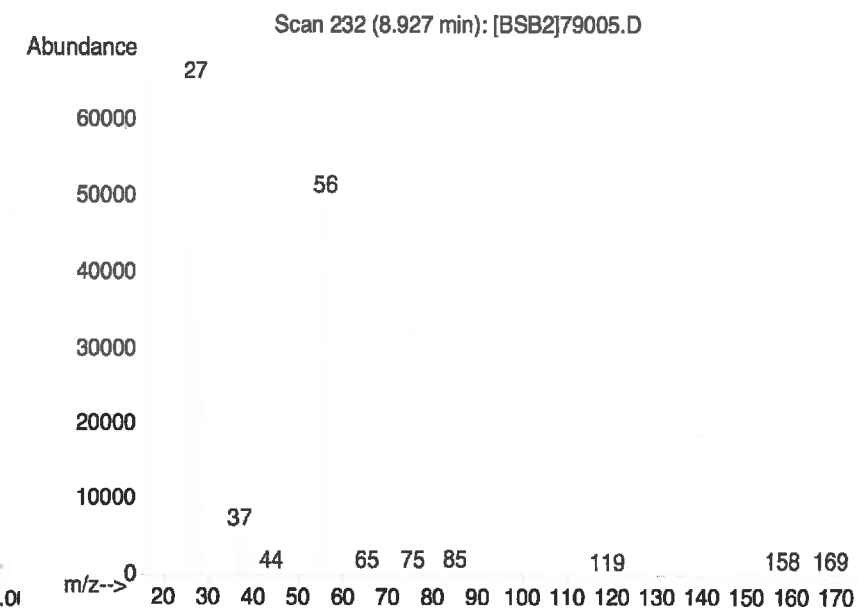
Expiration Date: 010525
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	SDS Information (Solvent Safety Info. On Attached pg.) OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10320	5006.1	51.8	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.). Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified Reference Material CRM

Rec 12/6/24
5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 120524
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

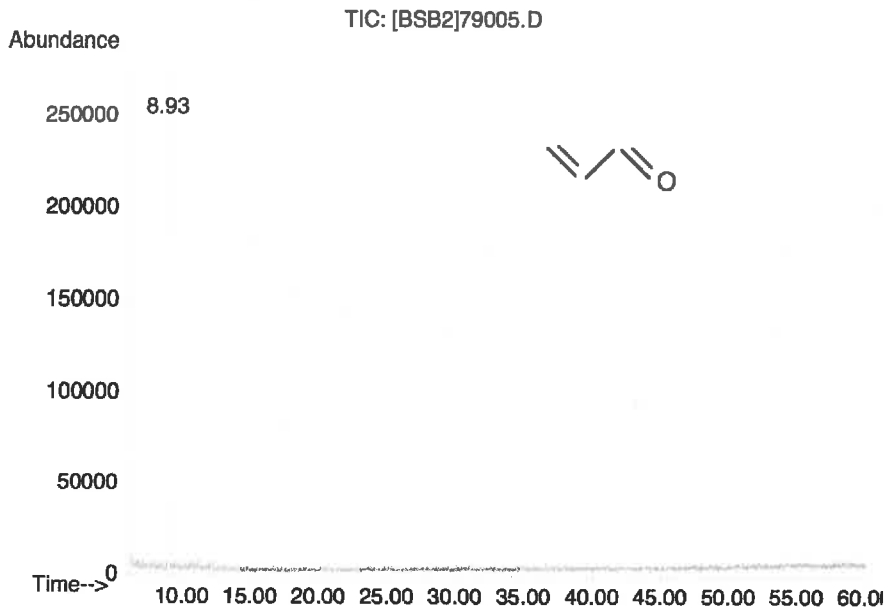
V14650-54

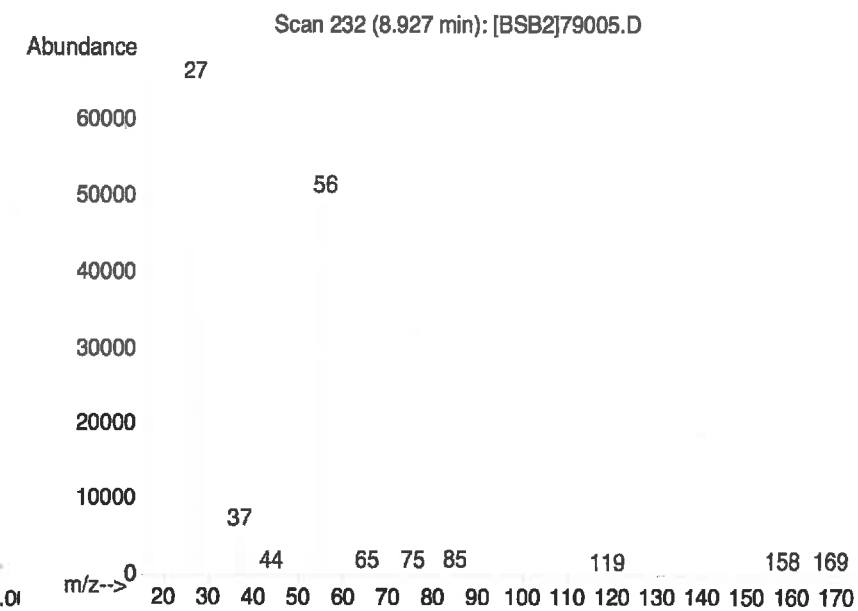
Expiration Date: 010525
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	SDS Information (Solvent Safety Info. On Attached pg.) OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10320	5006.1	51.8	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.). Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 120524
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

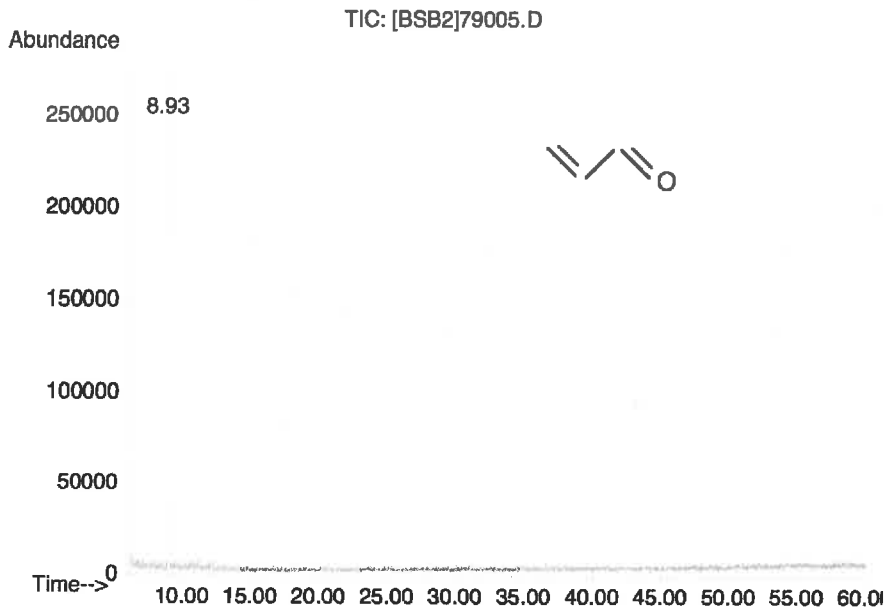
V14650-54

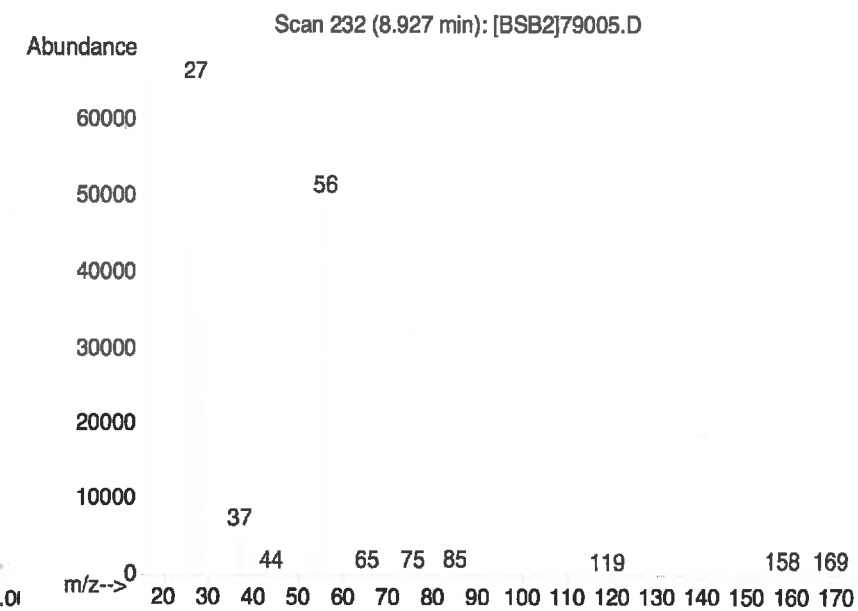
Expiration Date: 010525
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	SDS Information (Solvent Safety Info. On Attached pg.) OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10320	5006.1	51.8	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.). Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.





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- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Absolute Standards Inc.

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Safety Data Sheet (SDS) GHS/OSHA Compliant

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Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water	CAS#: 7732-18-5	TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0181905

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	tert-Butanol (TBA)	50,126.0 µg/mL	+/- 293.4988 µg/mL	Gravimetric
	CAS # 75-65-0 (Lot SHBM7694)		+/- 1,073.7654 µg/mL	Unstressed
	Purity 99%		+/- 1,104.9494 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

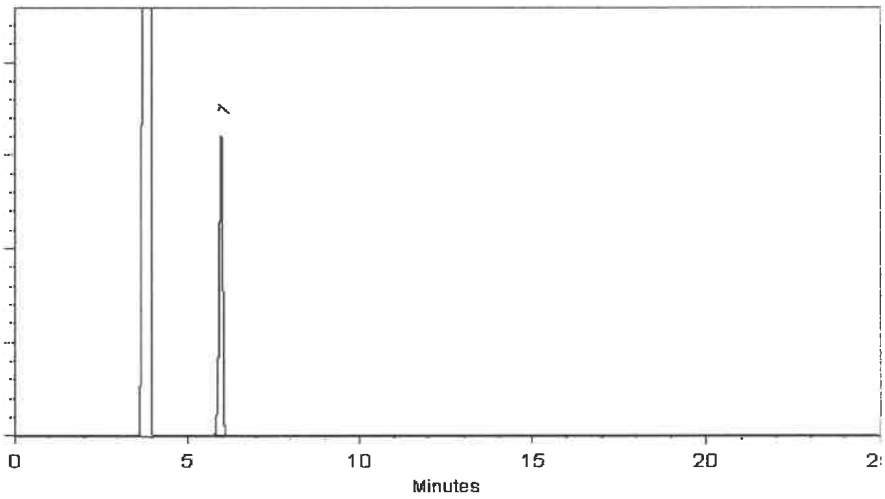
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 16-Feb-2022 **Balance:** B442140311

Marlina Cowan - Operations Tech I

Date Passed: 21-Feb-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

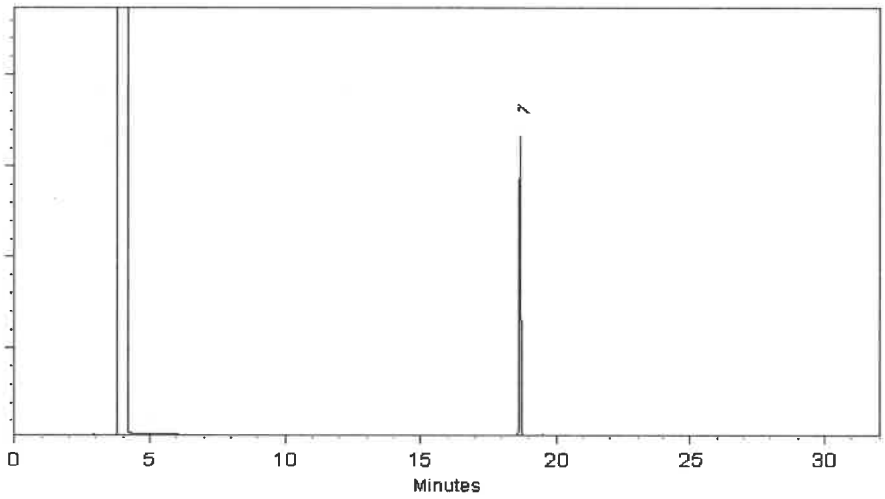
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

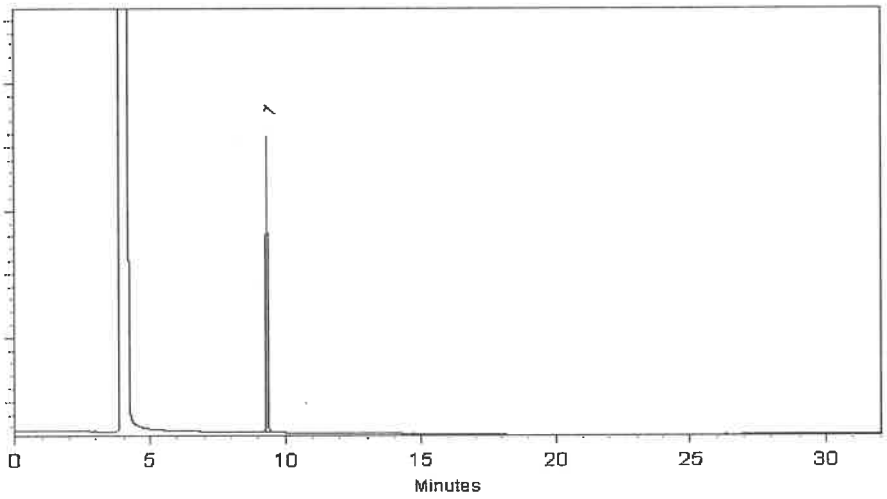
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

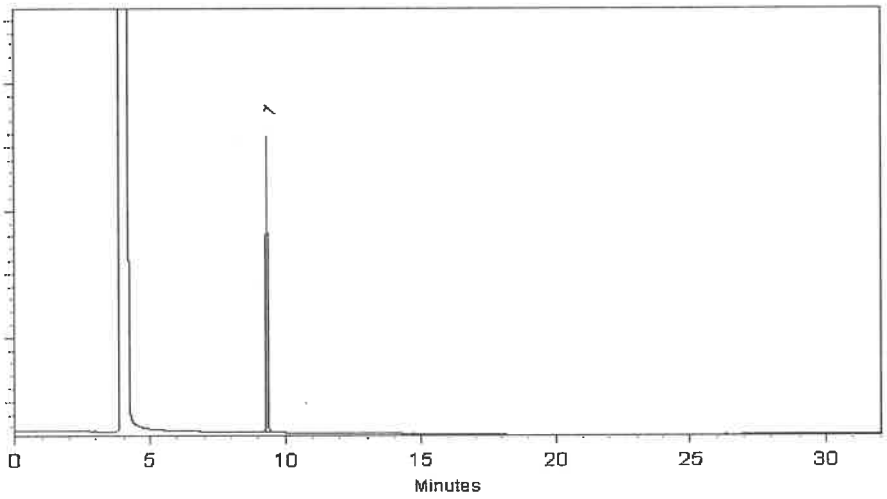
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

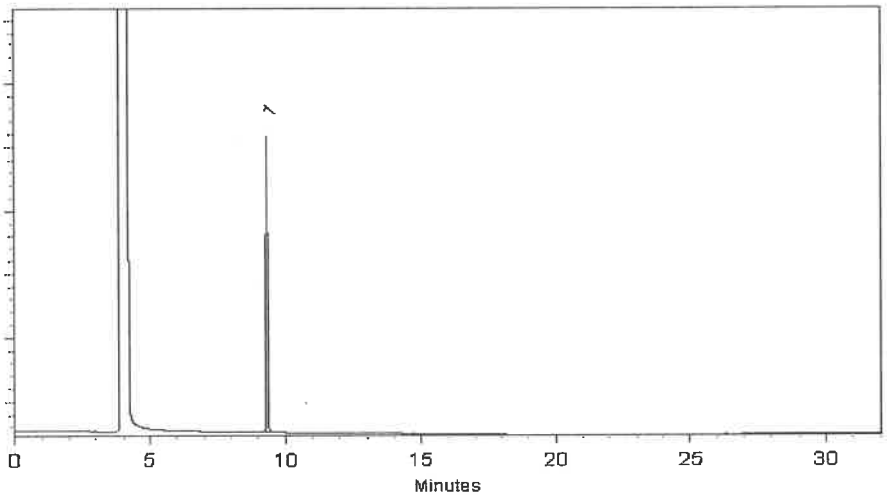
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

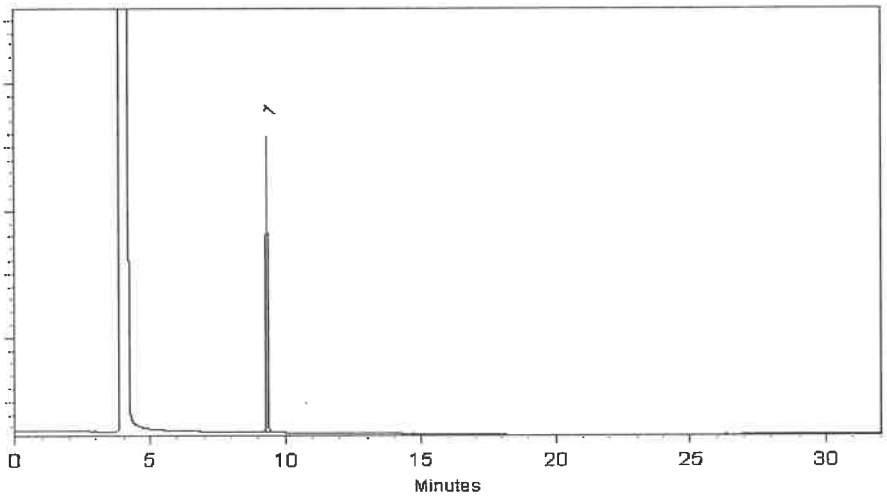
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0194279

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

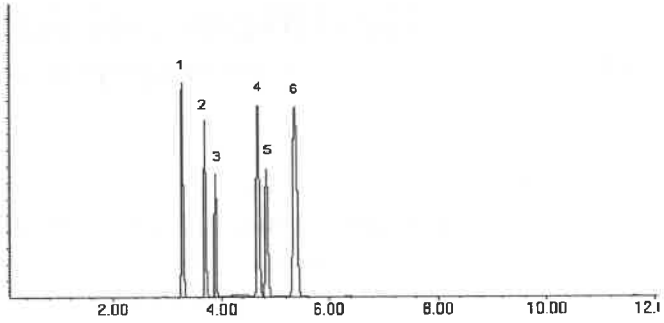
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 03-Feb-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)

CAS # 67-56-1/7732-18-5

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

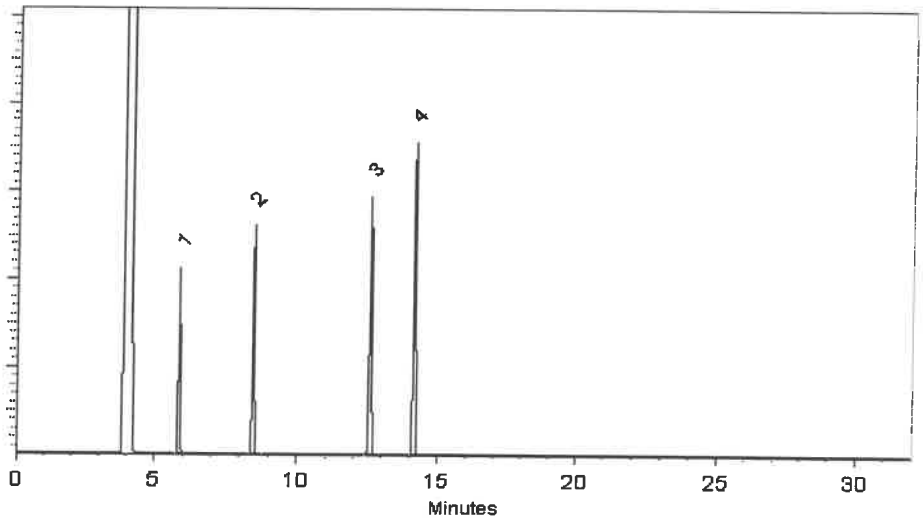
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)

CAS # 67-56-1/7732-18-5

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

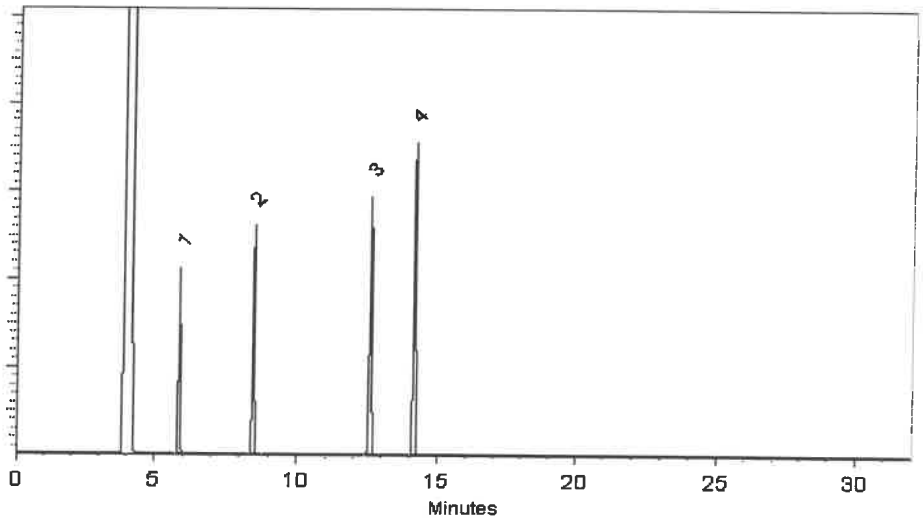
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)

CAS # 67-56-1/7732-18-5

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

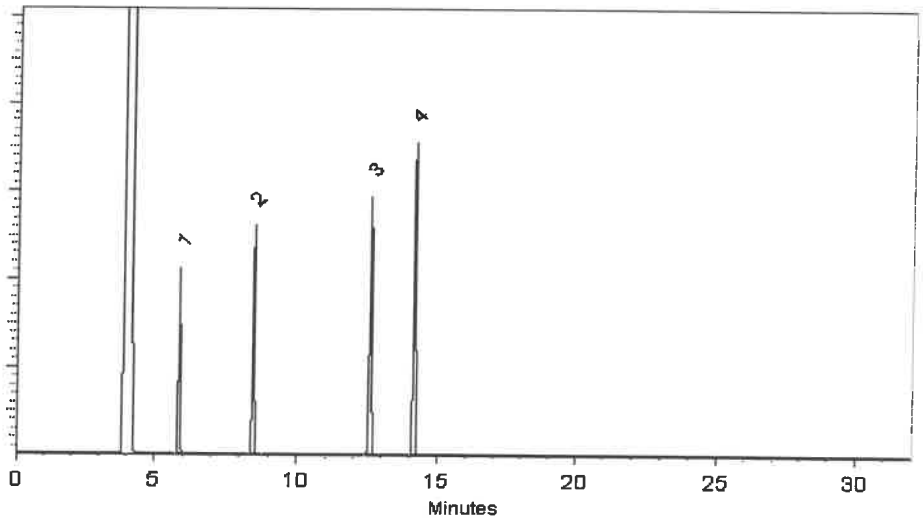
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 555408-SL **Lot No.:** A0205179

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

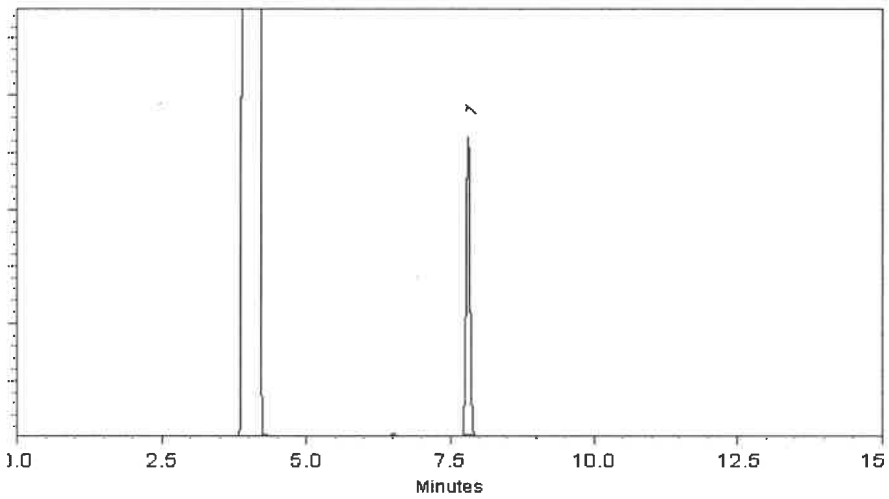
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Daniel Wasson - Operations Tech I

Date Mixed: 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Catalog No. : 555408-SL **Lot No.:** A0205179

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

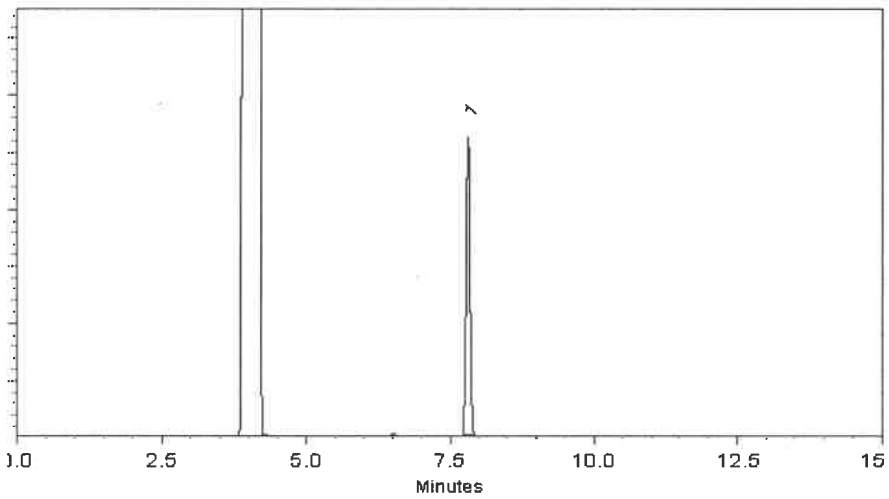
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Daniel Wasson - Operations Tech I

Date Mixed: 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Dec-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
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Manufacturing Notes:

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Handling Notes:

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Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

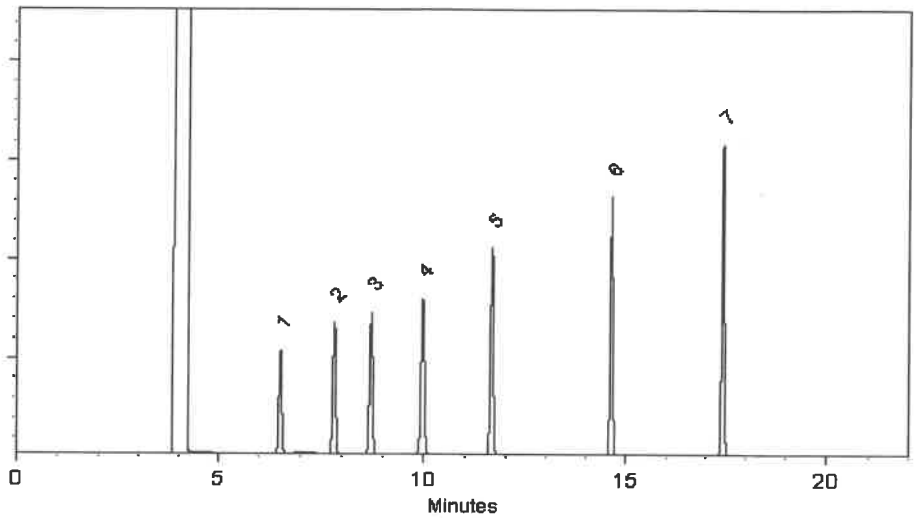
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA
ACCREDITED
ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA
ACCREDITED
ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

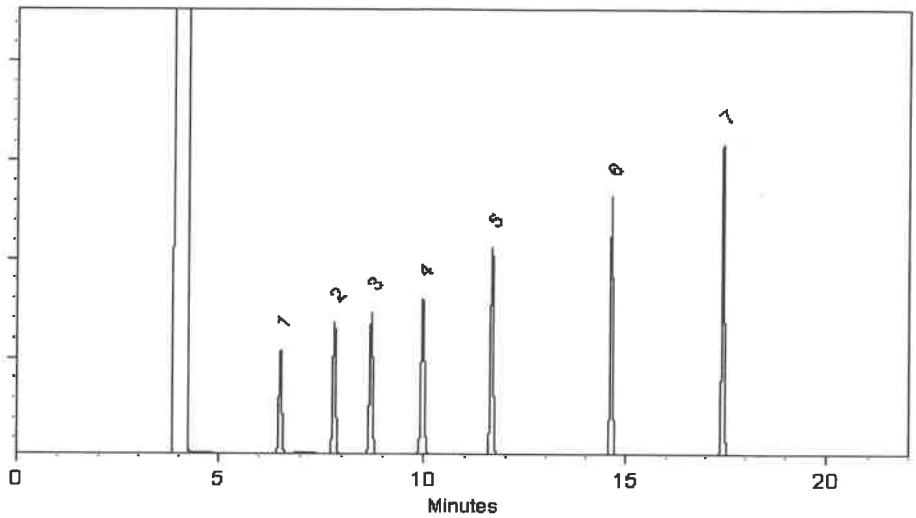
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
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Revision No.: 0

Certificate of Analysis

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500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

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Titrable Base (µeq/g)	≤ 0.10	0.03
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Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. / QUOTE NO. P5376
COC Number 2041990

CLIENT INFORMATION (REPORT TO BE SENT TO:)
COMPANY: RESOLUTION
ADDRESS:
CITY STATE: ZIP:
ATTENTION: ELEANOR VIVAUDOU
PHONE: FAX:

CLIENT PROJECT INFORMATION
PROJECT NAME: ~~RESOLUTION~~ NWIRP BETHPAGE
PROJECT NO.: 60731872 LOCATION: BETHPAGE
PROJECT MANAGER: E. VIVAUDOU
e-mail: ELEANOR.VIVAUDOU@AECOM.COM
PHONE: FAX:

CLIENT BILLING INFORMATION
BILL TO: E. VIVAUDOU PO#:
ADDRESS: 27 ELLIS PLACE
CITY OSSINING STATE: NY ZIP 10563
ATTENTION: E. VIVAUDOU PHONE:

DATA TURNAROUND INFORMATION
FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE) DAYS*
EDD: STANDARD DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION
☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B ☐ Other
☒ EDD FORMAT: NYSDEC EDD CAT B

ANALYSIS
1 VOCs 8260
2 1,4 DIOXANE SIM 8270
3 4 5 6 7 8 9

PRESERVATIVES / **COMMENTS**
← Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	A/E 1	E 2	3	4	5	6	7	8	9	COMMENTS
1.	TT205S1-20241218	GW		X	12/18/24	0800	3	2	1								
2.	TT150S1-20241218	GW		X		1000	3	2	1								
3.	RE115D2-20241218	GW		X		1010	3	2	1								
4.	TT149S1-20241218	GW		X		0855	3	2	1								
5.	DUP-07-20241218	GW		X		—	3	2	1								
6.	TT174I1-20241218	GW		X		1215	3	2	1								
7.	RW10-MW01S-20241218	GW		X		0920	9	6	3								MS/MSD
8.	RW10-MW01D-20241218	GW		X		0925	3	2	1								
9.	RW10A-MW01S-20241218	GW		X		1105	3	2	1								
10.	RW10A-MW01I-20241218	GW		X		1045	3	2	1								

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	12-2024	1. 12-20-2024 1150
2.		2.
3. 1810	12-20-2024	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 3.0 °C
Comments:

Page 1 of 2
CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling
Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. / QUOTE NO. P5376
COC Number 2041991

CLIENT INFORMATION (REPORT TO BE SENT TO:)
COMPANY: RESOLUTION
ADDRESS:
CITY STATE: ZIP:
ATTENTION: ELEANOR VIVAUDOU
PHONE: FAX:

CLIENT PROJECT INFORMATION
PROJECT NAME: NWIRP BETHPAGE
PROJECT NO.: 60731872 LOCATION:
PROJECT MANAGER: E. VIVAUDOU
e-mail: ELEANOR.VIVAUDOU@AECOM.COM
PHONE: FAX:

CLIENT BILLING INFORMATION
BILL TO: E. VIVAUDOU PO#:
ADDRESS: 27 ELLIS PLACE
CITY OSSINING STATE: NY ZIP: 10563
ATTENTION: E. VIVAUDOU PHONE:

DATA TURNAROUND INFORMATION
FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE) _____ DAYS*
EDD: STANDARD DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION
❑ Level 1 (Results Only) ❑ Level 4 (QC + Full Raw Data)
❑ Level 2 (Results + QC) ❑ NJ Reduced ❑ US EPA CLP
❑ Level 3 (Results + QC + Raw Data) ❑ NYS ASP A ❑ NYS ASP B
❑ Other
✓ EDD FORMAT NYSDEC EDD CAT B

ANALYSIS
1 VOCs 8260
2 1,4-DIOXANE SIM 8270
3 4 5 6 7 8 9

PRESERVATIVES

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	A/K 1	E 2	3	4	5	6	7	8	9	COMMENTS
1.	RE117D2-20241218	GW		X	12/18/24	1220	3	2	1								
2.	TT161S1-20241219	GW		X	12-19-24	0850	3	2	1								
3.	TT162S1-20241219	GW		X		1015	3	2	1								
4.	RW11-MW01S-20241219	GW		X		0850	3	2	1								
5.	RW11-MW01I-20241219	GW		X		0847	3	2	1								
6.	TT119S1-20241219	GW		X		0835	3	2	1								
7.	TT188S1-20241219	GW		X		0950	3	2	1								
8.	FB03-20241219	DW		X		1100	3	2	1								
9.	TB	DW		X	10-15-24	—	2	2									
10.																	

COMMENTS: ← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	12-20-24	1. 12-20-24 1450
2.		2.
3. 12-20-2024 1810		

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ☒ COOLER TEMP 3.8 °C
Comments:

Page 1 of 2

CLIENT: ❑ Hand Delivered ❑ Other
CHEMTECH: ❑ Picked Up ❑ Field Sampling

Shipment Complete ❑ YES ❑ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5376 AECO15
Client Name : AECOM Technical Services
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Services
Invoice Contact : Eleanor Vivadou

Order Date : 12/20/2024 3:08:00 PM
Project Name : NAVFAC NWIRP Bethpage
Receive DateTime : 12/20/2024 6:10:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Results Only~~ NYS ASP B/ DOD
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P5376-01	TT205S1-20241218	Water	12/18/2024	09:00					
					VOCMS Group1		8260-Low		10 Bus. Days
P5376-02	TT150S1-20241218	Water	12/18/2024	10:00					
					VOCMS Group1		8260-Low		10 Bus. Days
P5376-03	RE115D2-20241218	Water	12/18/2024	10:10					
					VOCMS Group1		8260-Low		10 Bus. Days
P5376-04	TT149S1-20241218	Water	12/18/2024	08:55					
					VOCMS Group1		8260-Low		10 Bus. Days
P5376-05	DUP-07-20241218	Water	12/18/2024	00:00					
					VOCMS Group1		8260-Low		10 Bus. Days
P5376-06	TT174I1-20241218	Water	12/18/2024	12:15					
					VOCMS Group1		8260-Low		10 Bus. Days
P5376-07	RW10-MW01S-20241218	Water	12/18/2024	09:20					
					VOCMS Group1		8260-Low		10 Bus. Days
P5376-08	P5376-07MS	Water	12/18/2024	09:20					

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5376 AECO15
Client Name : AECOM Technical Service:
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Service:
Invoice Contact : Eleanor Vivadou

Order Date : 12/20/2024 3:08:00 PM
Project Name : NAVFAC NWIRP Bethpag
Receive DateTime : 12/20/2024 6:10:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Results Only~~ NYS ASP B/ DOD
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
					VOCMS Group1		8260-Low	10 Bus. Days		
P5376-09	P5376-07MSD	Water	12/18/2024	09:20						
					VOCMS Group1		8260-Low	10 Bus. Days		
P5376-10	RW10-MW01D-20241218	Water	12/18/2024	09:25						
					VOCMS Group1		8260-Low	10 Bus. Days		
P5376-11	RW10A-MW01S-20241218	Water	12/18/2024	~~11:04~~11:05						
					VOCMS Group1		8260-Low	10 Bus. Days		
P5376-12	RW10A-MW01I-20241218	Water	12/18/2024	10:45						
					VOCMS Group1		8260-Low	10 Bus. Days		
P5376-13	RE117D2-20241218	Water	12/18/2024	12:20						
					VOCMS Group1		8260-Low	10 Bus. Days		
P5376-14	TT161S1-20241219	Water	12/19/2024	06:50						
					VOCMS Group1		8260-Low	10 Bus. Days		
P5376-15	TT162S1-20241219	Water	12/19/2024	10:15						
					VOCMS Group1		8260-Low	10 Bus. Days		

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5376 AECO15
Client Name : AECOM Technical Services
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Services
Invoice Contact : Eleanor Vivadou

Order Date : 12/20/2024 3:08:00 PM
Project Name : NAVFAC NWIRP Bethpage
Receive DateTime : 12/20/2024 6:10:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Results Only~~ NYS ASP B/ DOD
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P5376-16	RW11-MW01S-20241219	Water	12/19/2024	08:50					
					VOCMS Group1		8260-Low		10 Bus. Days
P5376-17	RW11-MW01I-20241219	Water	12/19/2024	08:47					
					VOCMS Group1		8260-Low		10 Bus. Days
P5376-18	TT119S1-20241219	Water	12/19/2024	08:35					
					VOCMS Group1		8260-Low		10 Bus. Days
P5376-19	TT188S1-20241219	Water	12/19/2024	09:50					
					VOCMS Group1		8260-Low		10 Bus. Days
P5376-20	FB03-20241219	Water	12/19/2024	11:00					
					VOCMS Group1		8260-Low		10 Bus. Days
P5376-21	TB	Water	12/19/2024	00:00					
					VOCMS Group1		8260-Low		10 Bus. Days

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044219.D
Acq On : 11 Dec 2024 10:41
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Dec 12 04:12:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.543	168	141947	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	253574	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.049	117	213862	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88334	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.964	65	3407	1.369 ug/l	0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 2.740%#		
35) Dibromofluoromethane	5.385	113	2117	1.205 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 2.420%#		
50) Toluene-d8	8.653	98	6848	1.156 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 2.320%#		
62) 4-Bromofluorobenzene	11.091	95	2398	1.158 ug/l	0.01
Spiked Amount 50.000	Range 77 - 121		Recovery = 2.320%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.166	85	2491	1.135 ug/l	98
3) Chloromethane	1.300	50	2109	1.005 ug/l	98
4) Vinyl Chloride	1.373	62	2285	1.045 ug/l #	85
5) Bromomethane	1.593	94	1882	1.213 ug/l	94
6) Chloroethane	1.672	64	1176	0.864 ug/l	92
7) Trichlorofluoromethane	1.867	101	4491	1.049 ug/l	96
8) Diethyl Ether	2.129	74	1651	1.130 ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.318	101	1796	1.037 ug/l	95
10) Methyl Iodide	2.440	142	2045	0.896 ug/l	99
11) Tert butyl alcohol	2.989	59	972	2.776 ug/l #	71
12) 1,1-Dichloroethene	2.306	96	1454	0.914 ug/l	90
13) Acrolein	2.233	56	2449	4.823 ug/l	84
14) Allyl chloride	2.660	41	2551	0.963 ug/l #	91
15) Acrylonitrile	3.068	53	4528	4.660 ug/l	98
16) Acetone	2.385	43	5096	5.022 ug/l	97
17) Carbon Disulfide	2.501	76	2387	0.789 ug/l	99
18) Methyl Acetate	2.702	43	2739	1.047 ug/l #	86
19) Methyl tert-butyl Ether	3.117	73	5832	0.939 ug/l #	91
20) Methylene Chloride	2.776	84	1928	1.012 ug/l #	74
21) trans-1,2-Dichloroethene	3.080	96	1703	1.007 ug/l #	79
22) Diisopropyl ether	3.763	45	5792	0.971 ug/l #	83
23) Vinyl Acetate	3.733	43	17578	3.623 ug/l	100
24) 1,1-Dichloroethane	3.605	63	3040	0.914 ug/l	96
25) 2-Butanone	4.586	43	6380	4.423 ug/l	96
26) 2,2-Dichloropropane	4.464	77	2220	0.821 ug/l	85
27) cis-1,2-Dichloroethene	4.489	96	2296	1.069 ug/l	81
28) Bromochloromethane	4.909	49	1641	1.006 ug/l #	72
29) Tetrahydrofuran	5.025	42	4158	4.491 ug/l #	84
30) Chloroform	5.086	83	3943	1.055 ug/l	91
31) Cyclohexane	5.470	56	2594	0.966 ug/l #	80
32) 1,1,1-Trichloroethane	5.379	97	2818	0.908 ug/l #	48
36) 1,1-Dichloropropene	5.684	75	1178	0.519 ug/l	92
37) Ethyl Acetate	4.727	43	2718	0.969 ug/l #	71
38) Carbon Tetrachloride	5.678	117	2454	1.004 ug/l #	73
39) Methylcyclohexane	7.366	83	2606	0.960 ug/l	93
40) Benzene	6.037	78	6864	0.996 ug/l	92

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044219.D
Acq On : 11 Dec 2024 10:41
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Dec 12 04:12:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	390	0.262 ug/l #	1
42) 1,2-Dichloroethane	6.092	62	2810	0.990 ug/l	93
43) Isopropyl Acetate	6.354	43	3734	0.851 ug/l	98
44) Trichloroethene	7.122	130	1806	1.051 ug/l	71
45) 1,2-Dichloropropane	7.433	63	1865	1.059 ug/l #	74
46) Dibromomethane	7.592	93	1251	0.916 ug/l	97
47) Bromodichloromethane	7.830	83	1926	0.816 ug/l #	74
48) Methyl methacrylate	7.720	41	2168	1.018 ug/l #	77
49) 1,4-Dioxane	7.702	88	289	7.943 ug/l #	71
51) 4-Methyl-2-Pentanone	8.579	43	12824	4.547 ug/l	95
52) Toluene	8.720	92	4606	1.064 ug/l	92
53) t-1,3-Dichloropropene	8.988	75	1716	1.694 ug/l #	78
54) cis-1,3-Dichloropropene	8.366	75	2048	0.797 ug/l #	75
55) 1,1,2-Trichloroethane	9.159	97	1710	0.994 ug/l #	83
56) Ethyl methacrylate	9.128	69	2490	0.917 ug/l #	85
57) 1,3-Dichloropropane	9.317	76	2929	0.979 ug/l	94
58) 2-Chloroethyl Vinyl ether	8.244	63	5621	4.105 ug/l	96
59) 2-Hexanone	9.439	43	8199	4.017 ug/l	98
60) Dibromochloromethane	9.524	129	1289	1.953 ug/l	97
61) 1,2-Dibromoethane	9.610	107	1535	0.877 ug/l	95
64) Tetrachloroethene	9.274	164	1536	1.082 ug/l	86
65) Chlorobenzene	10.079	112	4835	1.055 ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.158	131	1288	0.875 ug/l #	63
67) Ethyl Benzene	10.195	91	7924	1.001 ug/l #	88
68) m/p-Xylenes	10.305	106	5583	1.922 ug/l	98
69) o-Xylene	10.640	106	2933	0.998 ug/l	96
70) Styrene	10.658	104	4306	0.914 ug/l	94
71) Bromoform	10.805	173	584	1.847 ug/l #	72
73) Isopropylbenzene	10.963	105	6474	0.957 ug/l	100
74) N-amyl acetate	10.847	43	2536	0.811 ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.219	83	2491	1.061 ug/l	95
76) 1,2,3-Trichloropropane	11.244	75	2810	1.402 ug/l	81
77) Bromobenzene	11.201	156	1783	1.087 ug/l	91
78) n-propylbenzene	11.305	91	6606	0.884 ug/l	86
79) 2-Chlorotoluene	11.366	91	5194	1.075 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	5417	0.966 ug/l	98
81) trans-1,4-Dichloro-2-b...	11.030	75	402	6.098 ug/l	86
82) 4-Chlorotoluene	11.457	91	5236	0.978 ug/l	98
83) tert-Butylbenzene	11.713	119	5601	1.011 ug/l	91
84) 1,2,4-Trimethylbenzene	11.756	105	4769	0.866 ug/l	95
85) sec-Butylbenzene	11.890	105	6500	0.966 ug/l	99
86) p-Isopropyltoluene	12.012	119	5210	0.930 ug/l	93
87) 1,3-Dichlorobenzene	11.975	146	2684	0.937 ug/l	94
88) 1,4-Dichlorobenzene	11.975	146	2684	0.912 ug/l	94
89) n-Butylbenzene	12.335	91	3973	0.844 ug/l	94
90) Hexachloroethane	12.536	117	632	0.773 ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	3082	1.036 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	392	0.860 ug/l	70
93) 1,2,4-Trichlorobenzene	13.591	180	1361	0.835 ug/l	92
94) Hexachlorobutadiene	13.725	225	689	1.051 ug/l	96
95) Naphthalene	13.780	128	5167	0.812 ug/l #	94
96) 1,2,3-Trichlorobenzene	13.963	180	1509	0.873 ug/l	95

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044219.D
Acq On : 11 Dec 2024 10:41
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Dec 12 04:12:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

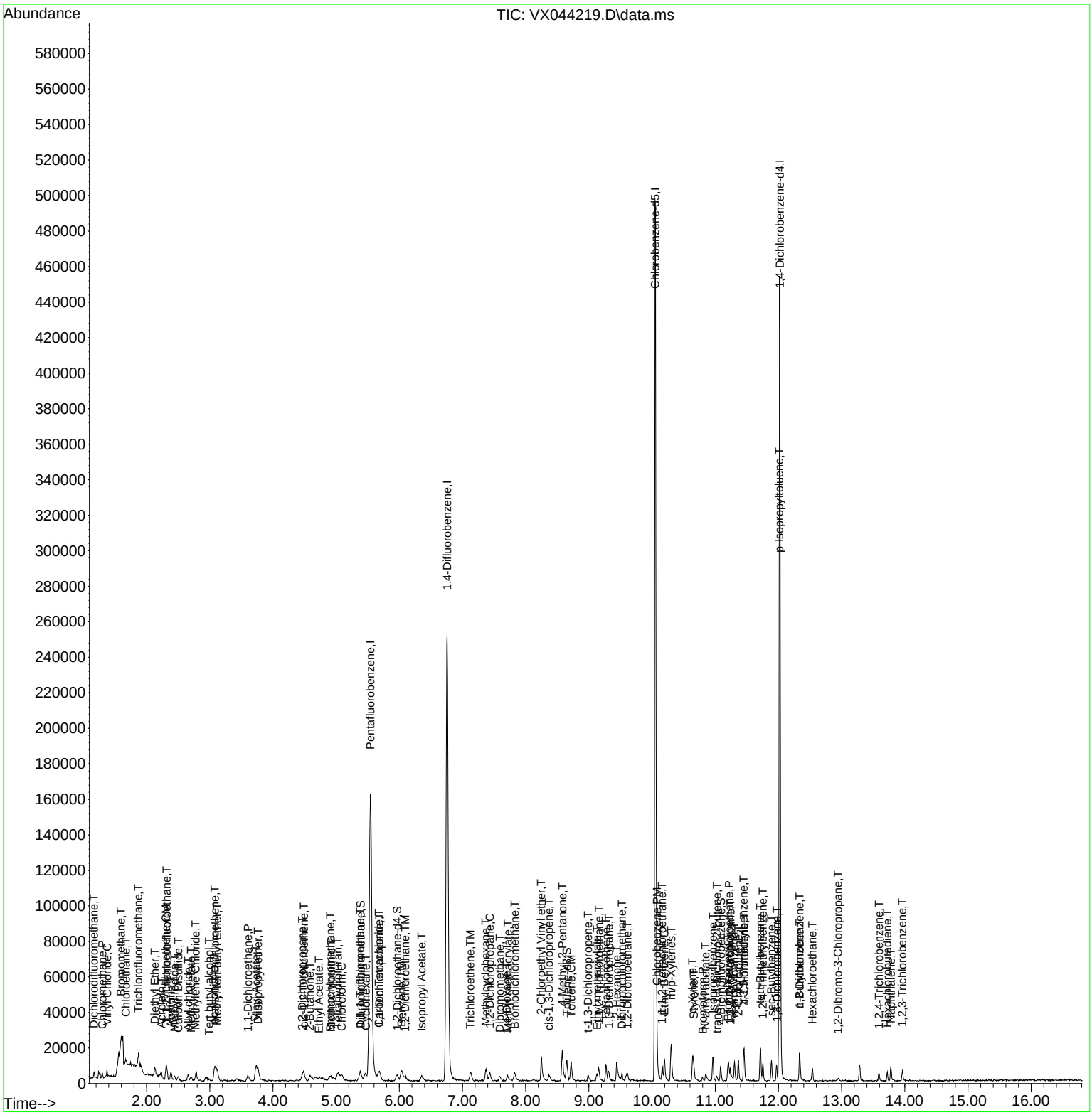
(#) = qualifier out of range (m) = manual integration (+) = signals summed

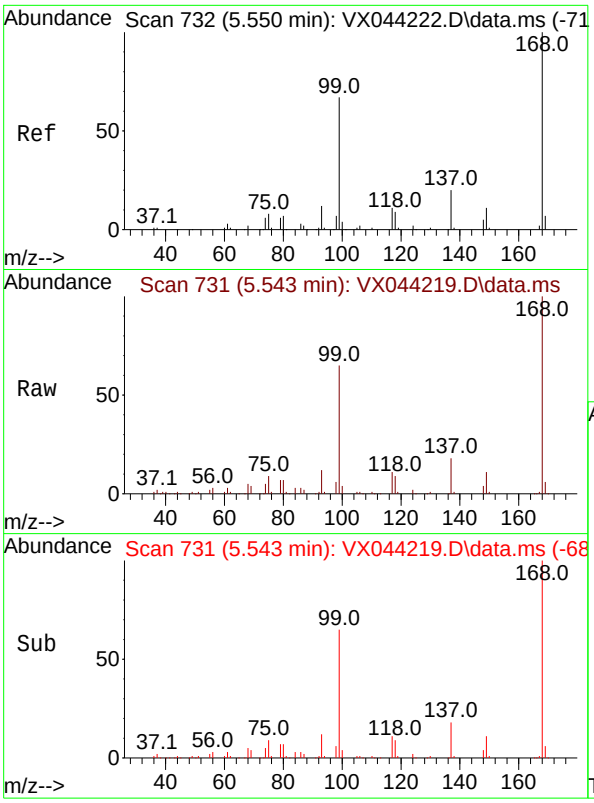
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044219.D
Acq On : 11 Dec 2024 10:41
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Dec 12 04:12:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration



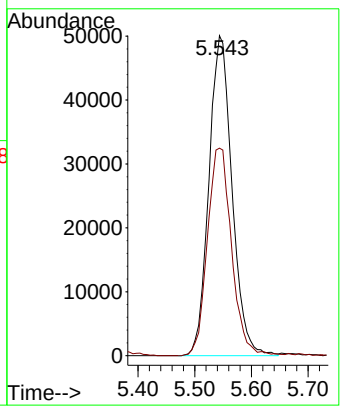


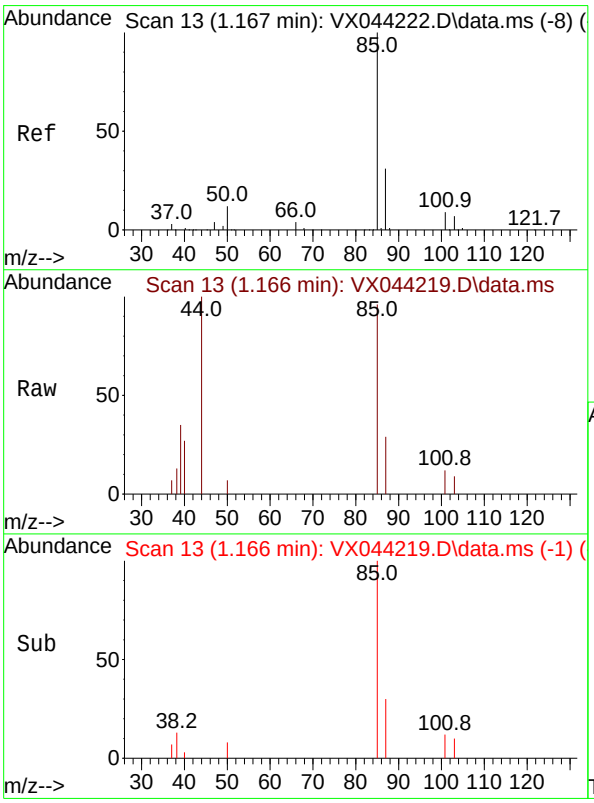
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 141947

Ion	Ratio	Lower	Upper
168	100		
99	64.9	53.4	80.0

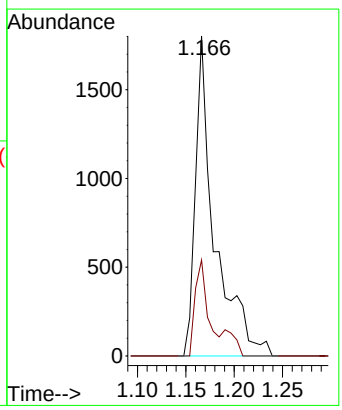


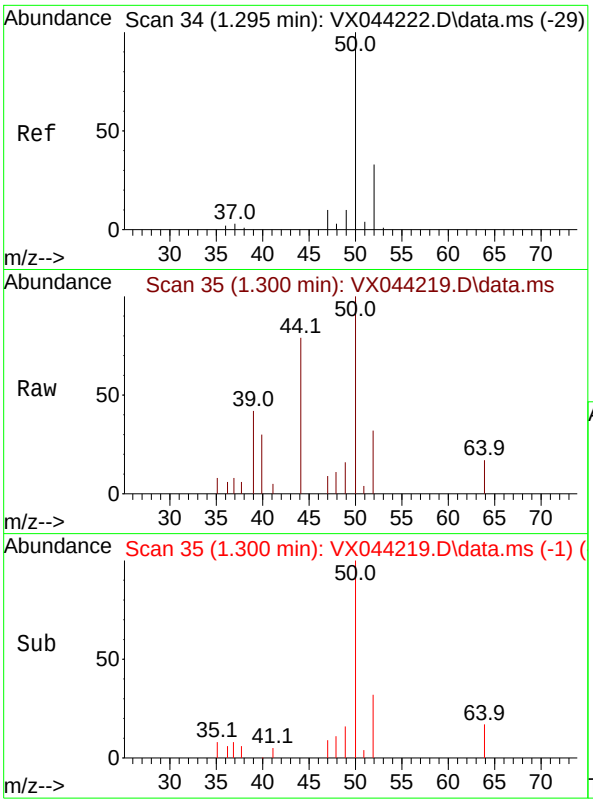


#2
Dichlorodifluoromethane
Concen: 1.135 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 85 Resp: 2491

Ion	Ratio	Lower	Upper
85	100		
87	30.0	15.4	46.4



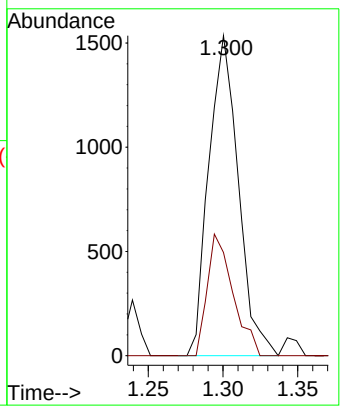


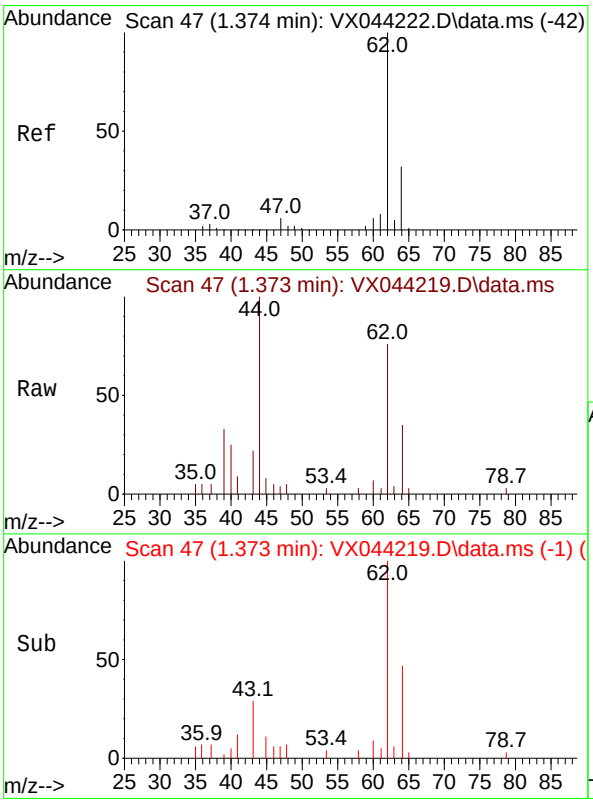
#3
Chloromethane
Concen: 1.005 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 2109

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.5	39.7

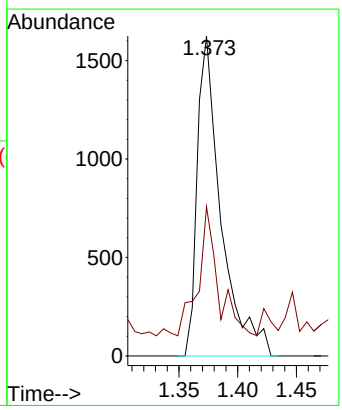


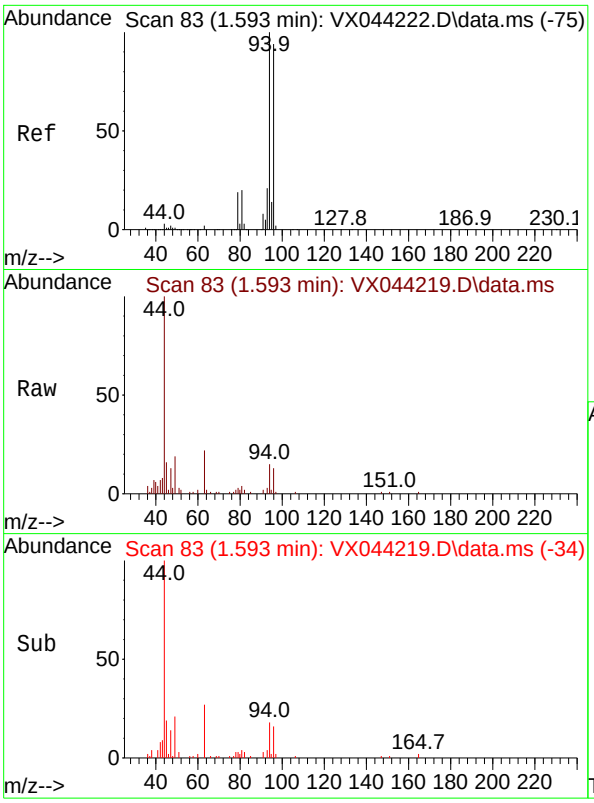


#4
Vinyl Chloride
Concen: 1.045 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 62 Resp: 2285

Ion	Ratio	Lower	Upper
62	100		
64	40.3	25.7	38.5#



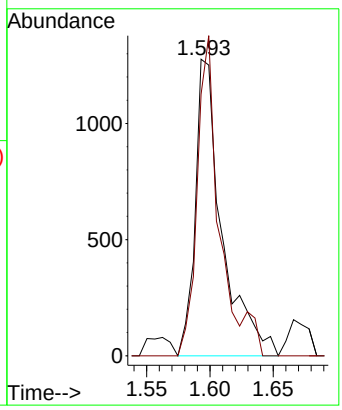


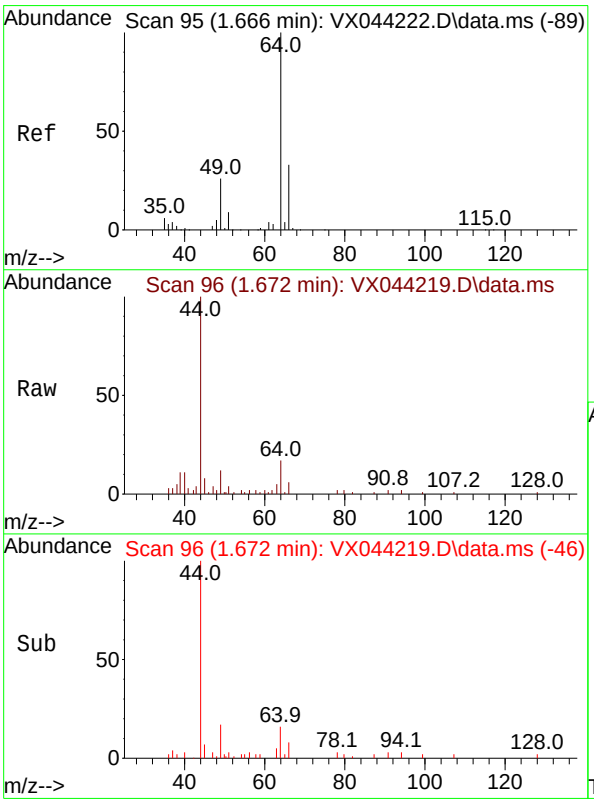
#5
Bromomethane
Concen: 1.213 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 1882

Ion	Ratio	Lower	Upper
94	100		
96	88.2	74.9	112.3

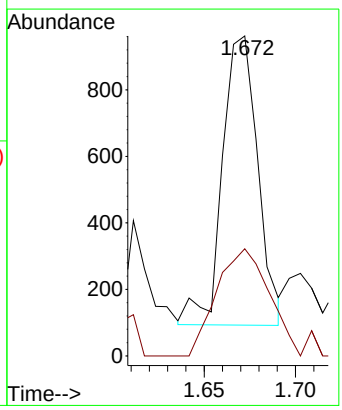


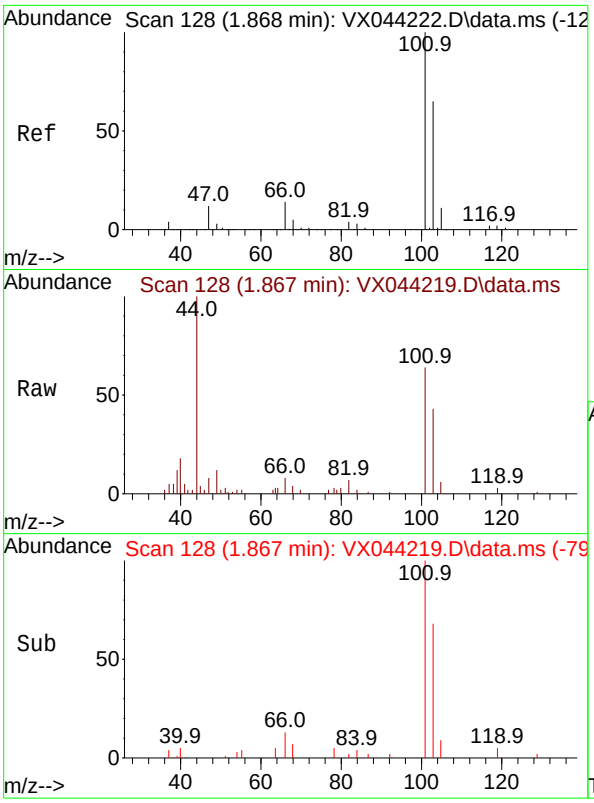


#6
Chloroethane
Concen: 0.864 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 64 Resp: 1176

Ion	Ratio	Lower	Upper
64	100		
66	37.6	26.6	39.8



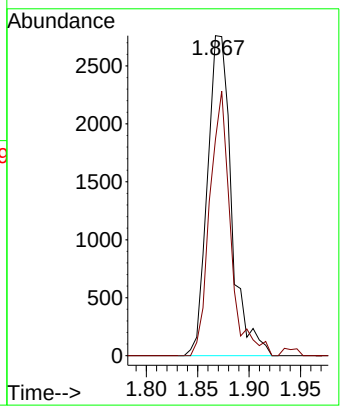


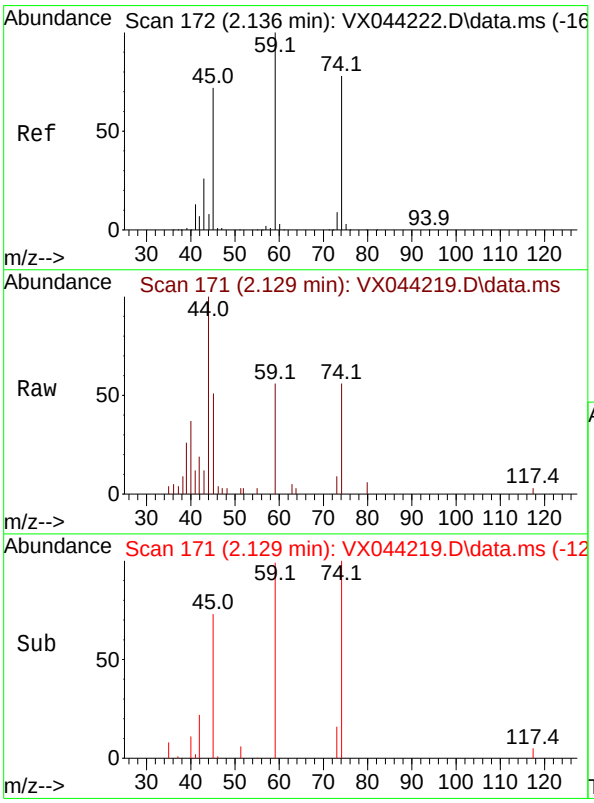
#7
Trichlorofluoromethane
Concen: 1.049 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 4491

Ion	Ratio	Lower	Upper
101	100		
103	67.7	51.8	77.8

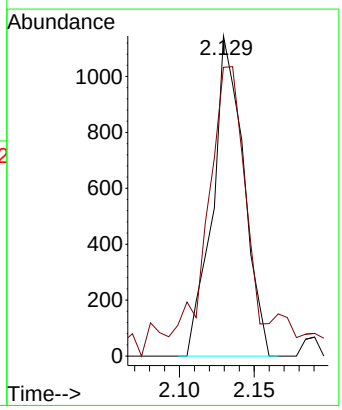


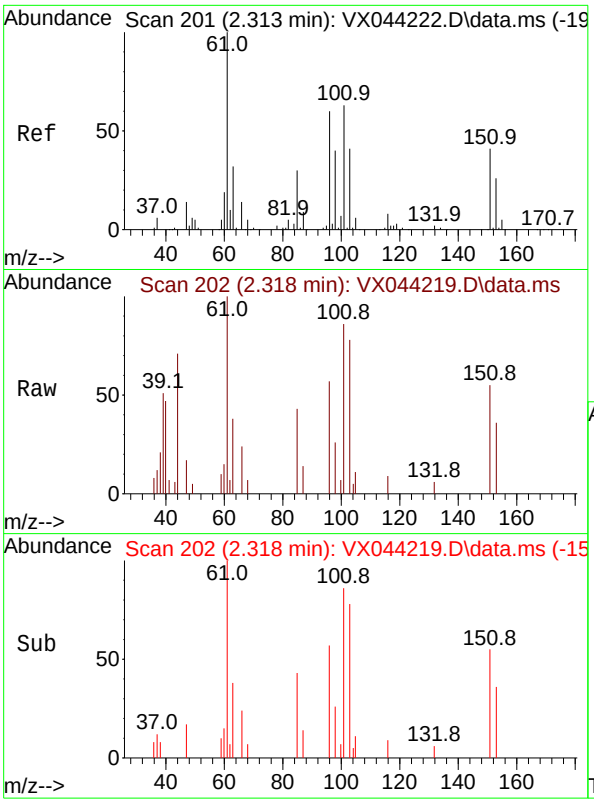


#8
Diethyl Ether
Concen: 1.130 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 74 Resp: 1651

Ion	Ratio	Lower	Upper
74	100		
45	118.0	48.4	145.0



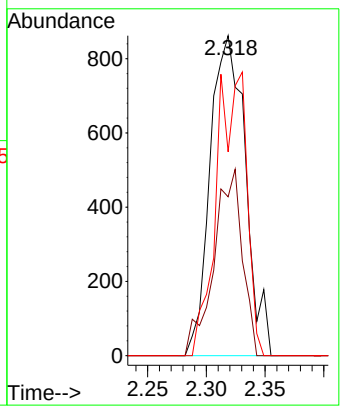


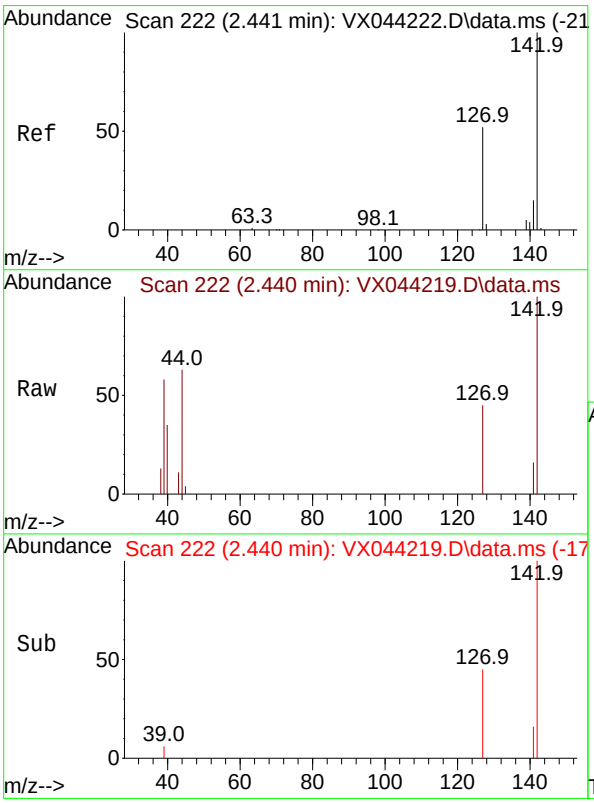
#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.037 ug/l
RT: 2.318 min Scan# 2(
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1796

Ion	Ratio	Lower	Upper
101	100		
85	47.3	38.5	57.7
151	76.1	55.8	83.6

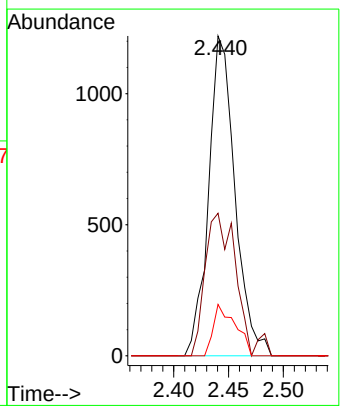


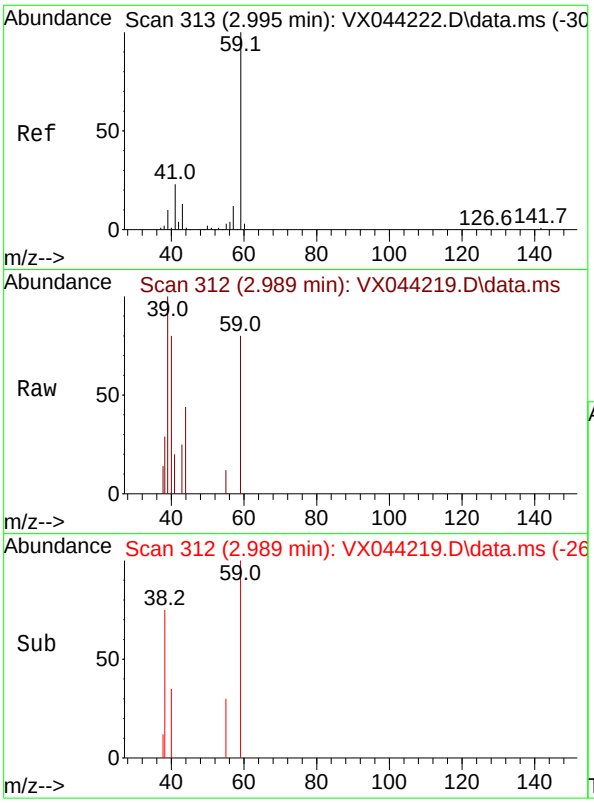


#10
Methyl Iodide
Concen: 0.896 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:142 Resp: 2045

Ion	Ratio	Lower	Upper
142	100		
127	52.6	41.8	62.8
141	13.4	11.5	17.3



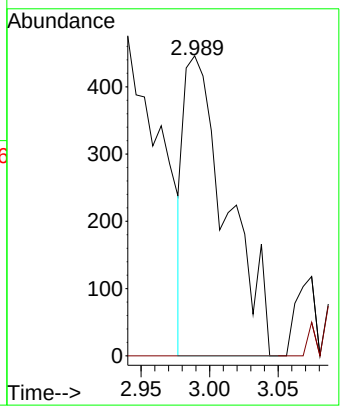


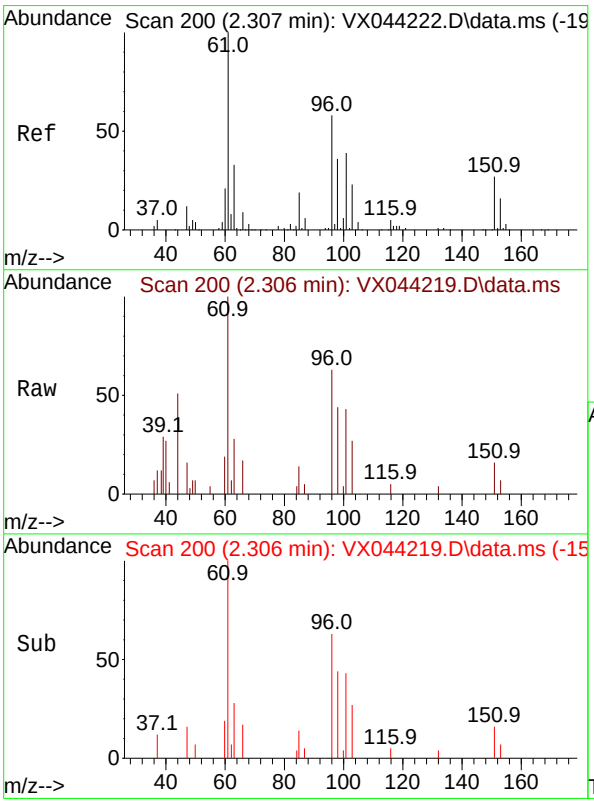
#11
Tert butyl alcohol
Concen: 2.776 ug/l
RT: 2.989 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 972

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.8	13.2#

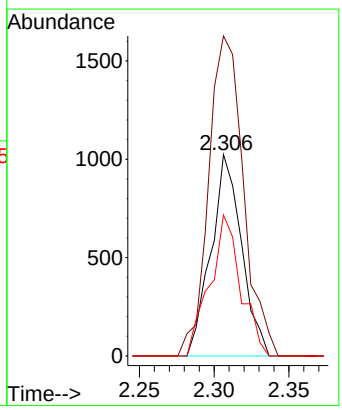


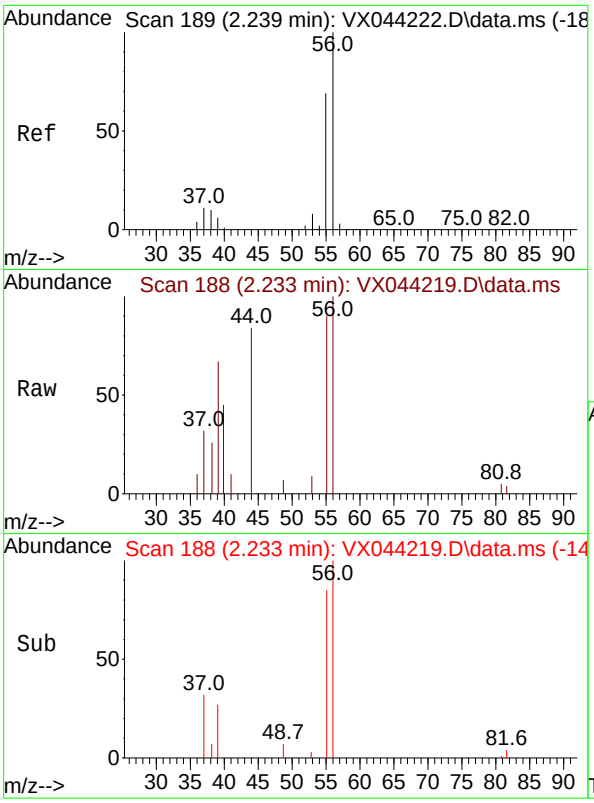


#12
1,1-Dichloroethene
Concen: 0.914 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 96 Resp: 1454

Ion	Ratio	Lower	Upper
96	100		
61	158.9	138.0	207.0
98	70.0	50.0	75.0



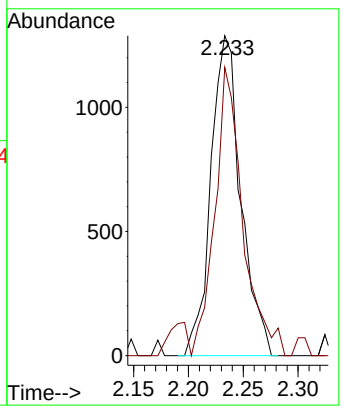


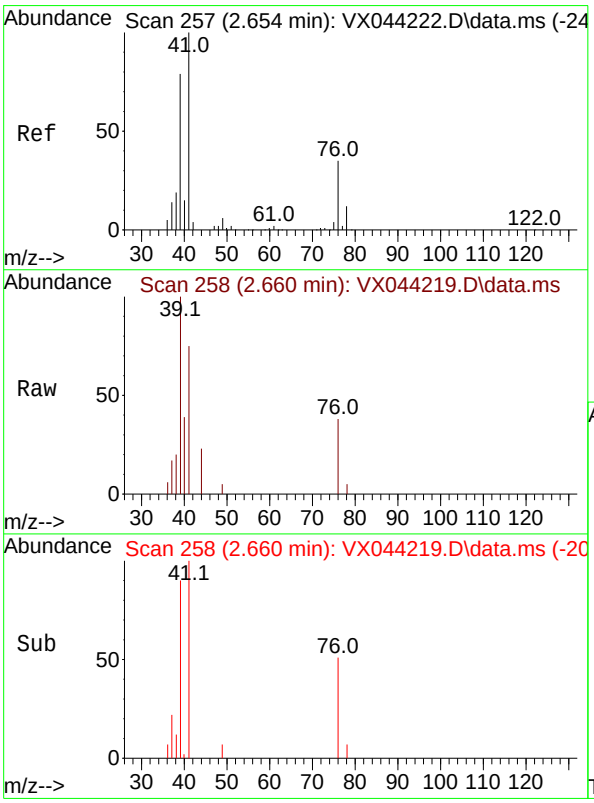
#13
Acrolein
Concen: 4.823 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 2449

Ion	Ratio	Lower	Upper
56	100		
55	84.0	56.6	84.8

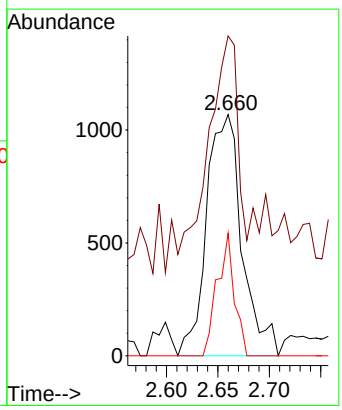


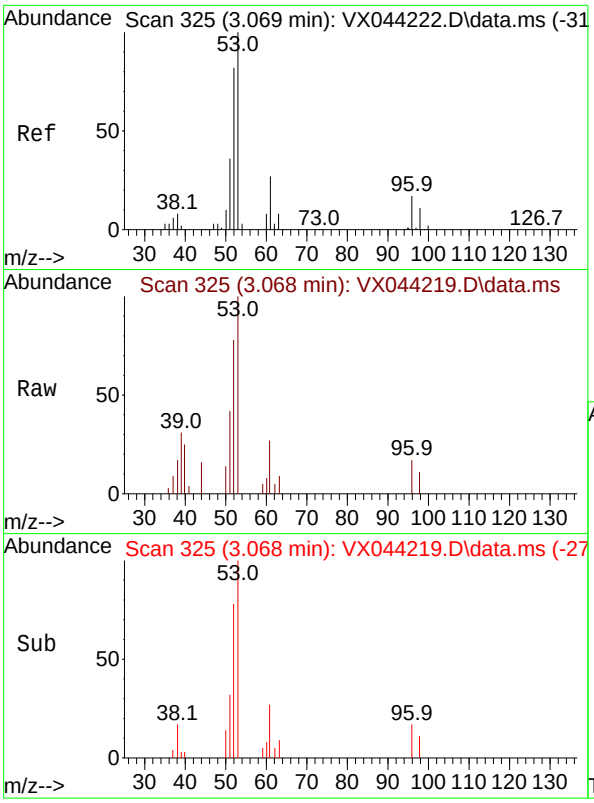


#14
Allyl chloride
Concen: 0.963 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 41 Resp: 2551

Ion	Ratio	Lower	Upper
41	100		
39	72.6	61.9	92.9
76	24.6	27.4	41.2#



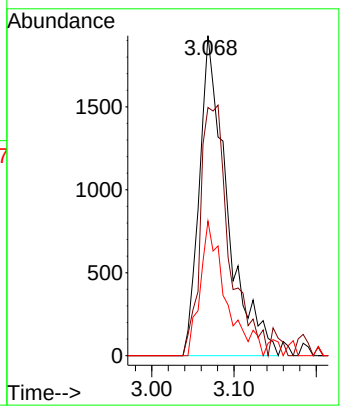


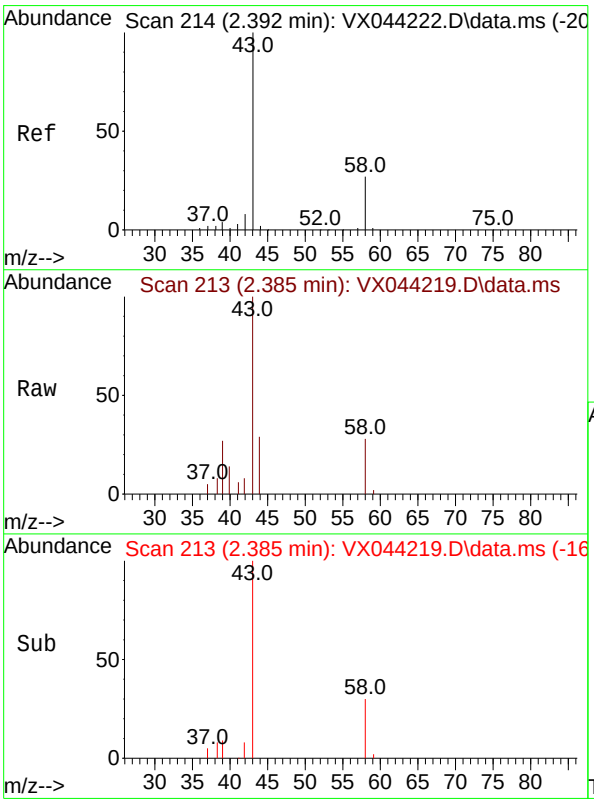
#15
Acrylonitrile
Concen: 4.660 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 4528

Ion	Ratio	Lower	Upper
53	100		
52	81.4	67.4	101.0
51	38.3	30.3	45.5

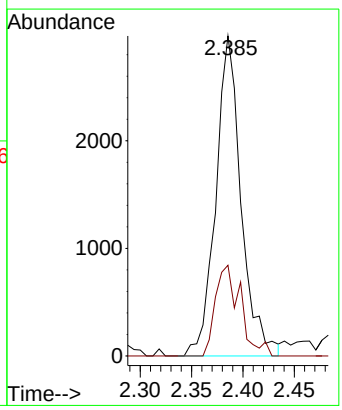


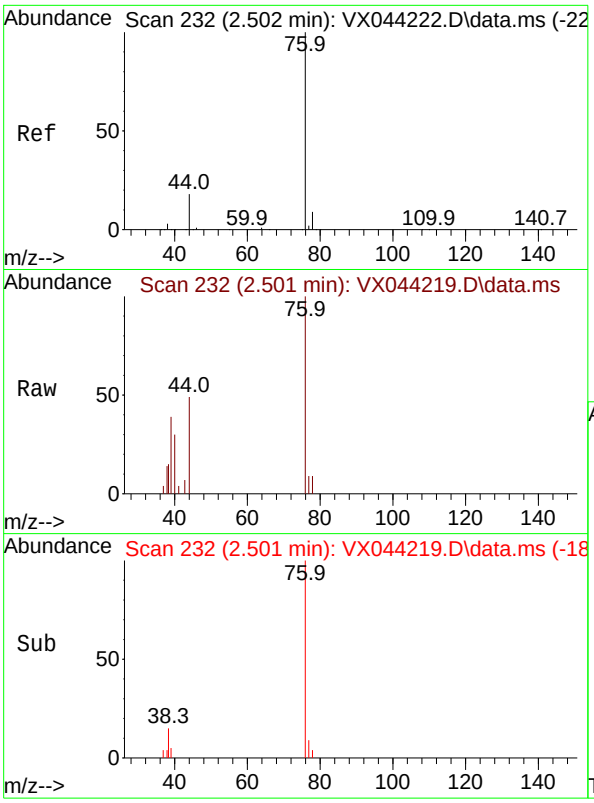


#16
Acetone
Concen: 5.022 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 43 Resp: 5096

Ion	Ratio	Lower	Upper
43	100		
58	28.3	21.6	32.4



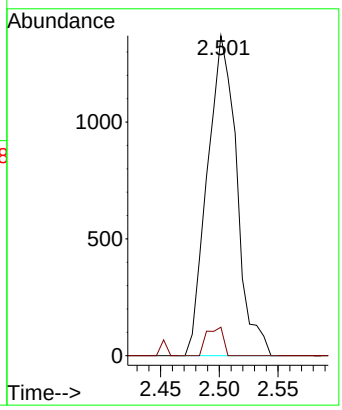


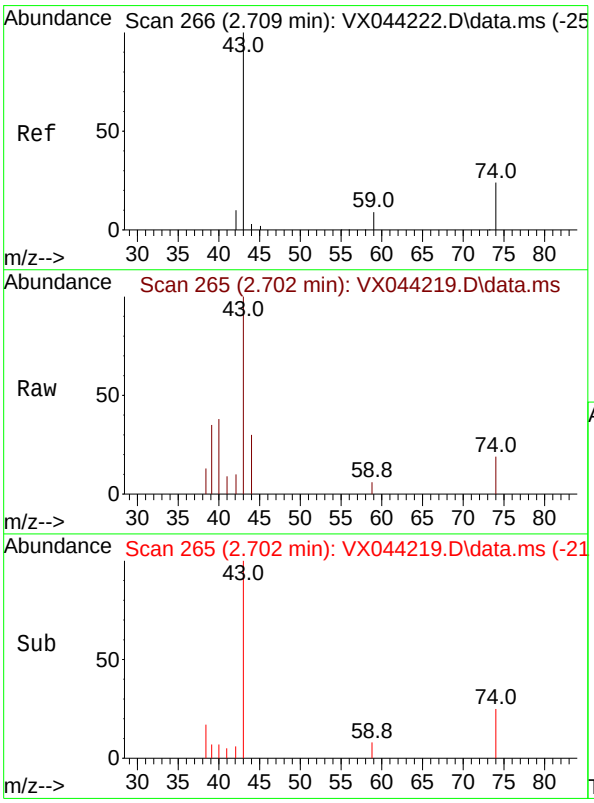
#17
Carbon Disulfide
Concen: 0.789 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 2387

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

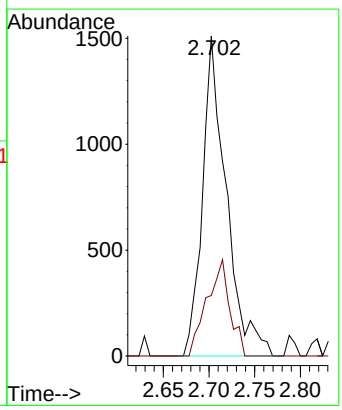


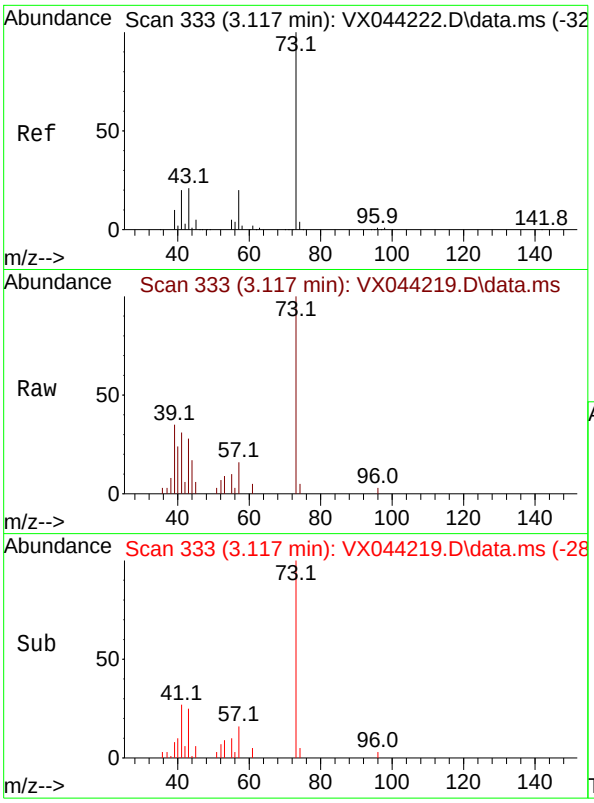


#18
Methyl Acetate
Concen: 1.047 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 43 Resp: 2739

Ion	Ratio	Lower	Upper
43	100		
74	28.9	17.7	26.5#



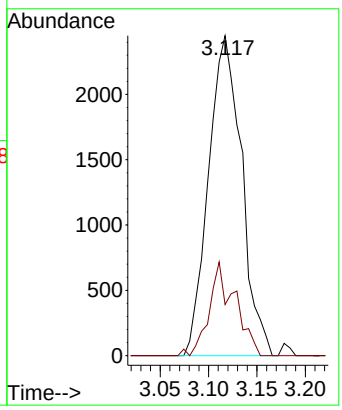


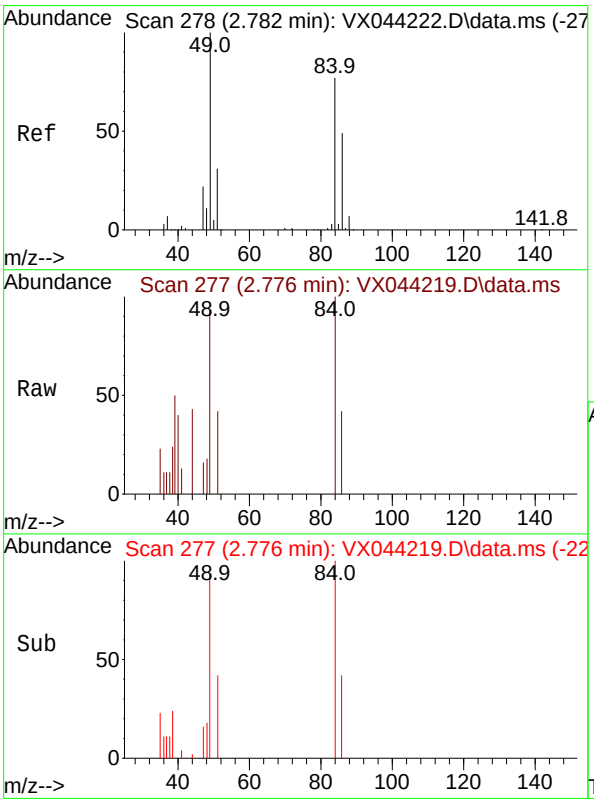
#19
Methyl tert-butyl Ether
Concen: 0.939 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 5832

Ion	Ratio	Lower	Upper
73	100		
57	16.0	16.2	24.4#

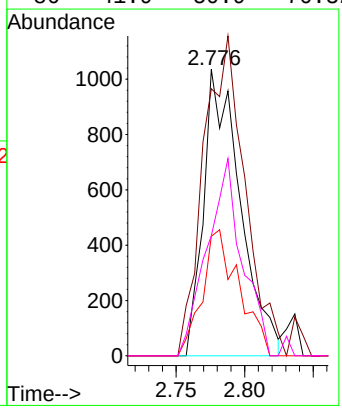


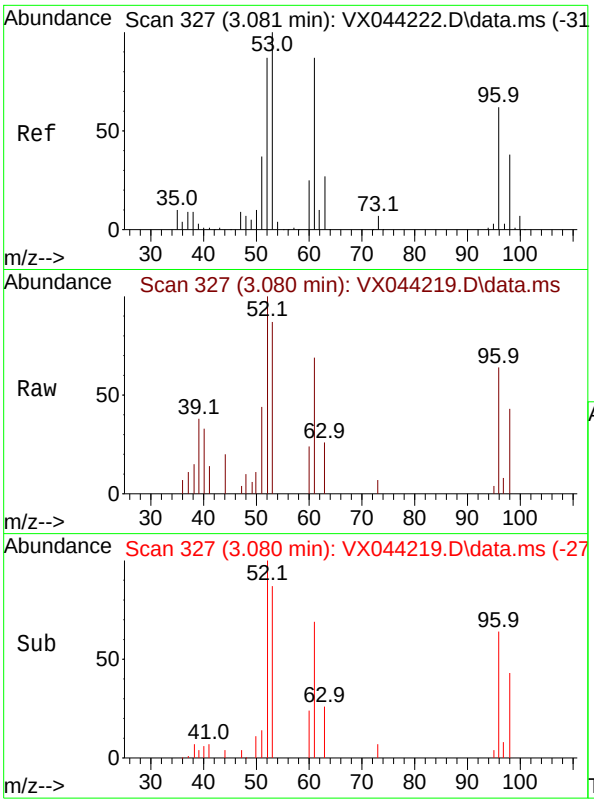


#20
Methylene Chloride
Concen: 1.012 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 84 Resp: 1928

Ion	Ratio	Lower	Upper
84	100		
49	93.2	104.2	156.4#
51	41.7	32.2	48.4
86	41.9	50.9	76.3#



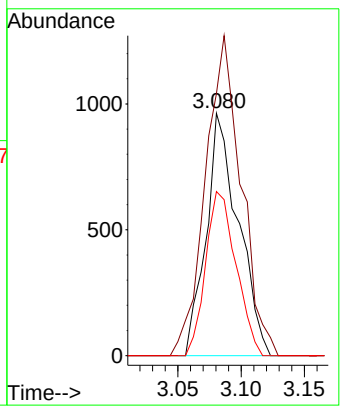


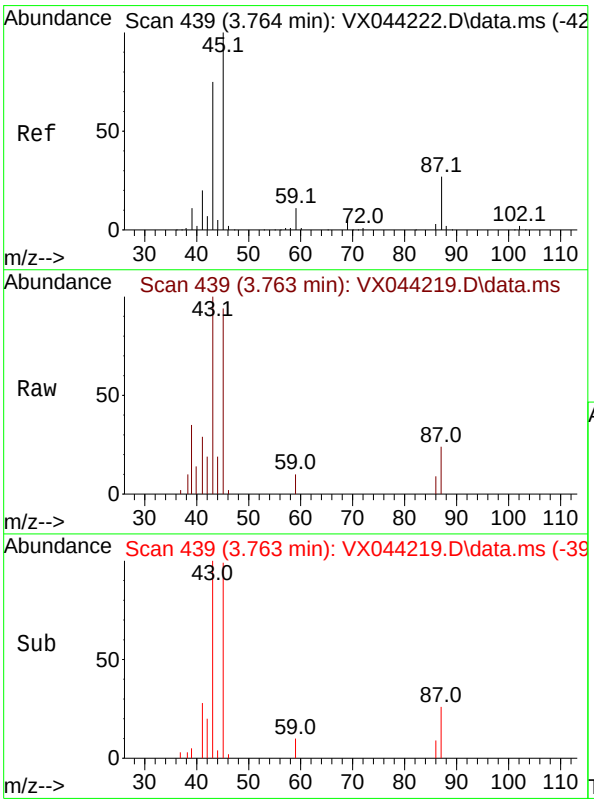
#21
trans-1,2-Dichloroethene
Concen: 1.007 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1703

Ion	Ratio	Lower	Upper
96	100		
61	108.1	112.0	168.0#
98	67.7	48.8	73.2

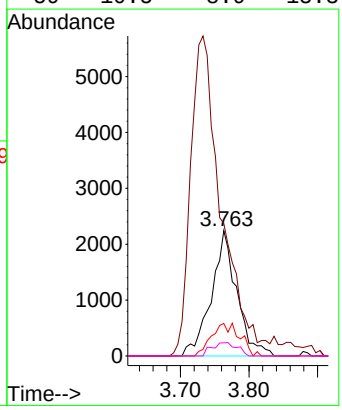


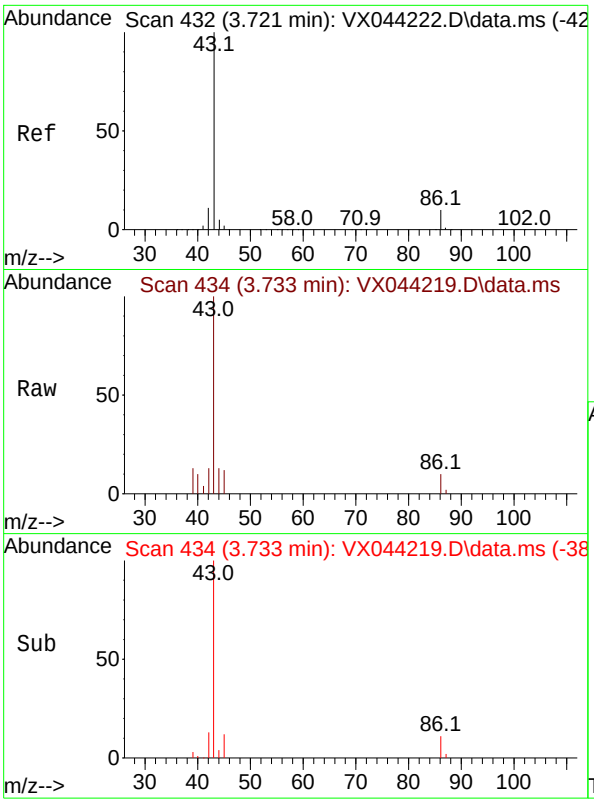


#22
Diisopropyl ether
Concen: 0.971 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 45 Resp: 5792

Ion	Ratio	Lower	Upper
45	100		
43	96.8	60.2	90.2#
87	25.9	21.2	31.8
59	10.5	8.9	13.3



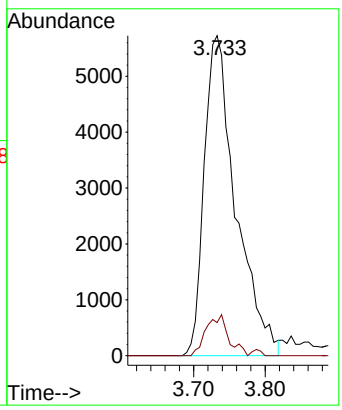


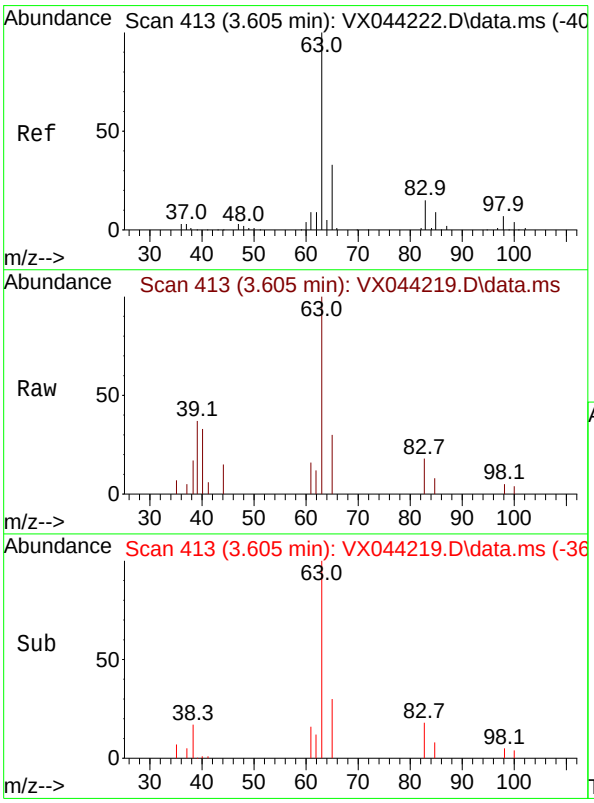
#23
Vinyl Acetate
Concen: 3.623 ug/l
RT: 3.733 min Scan# 4
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 17578

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.2	12.2

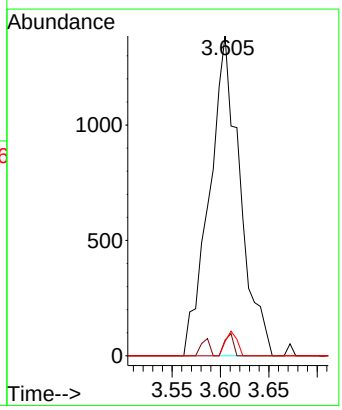


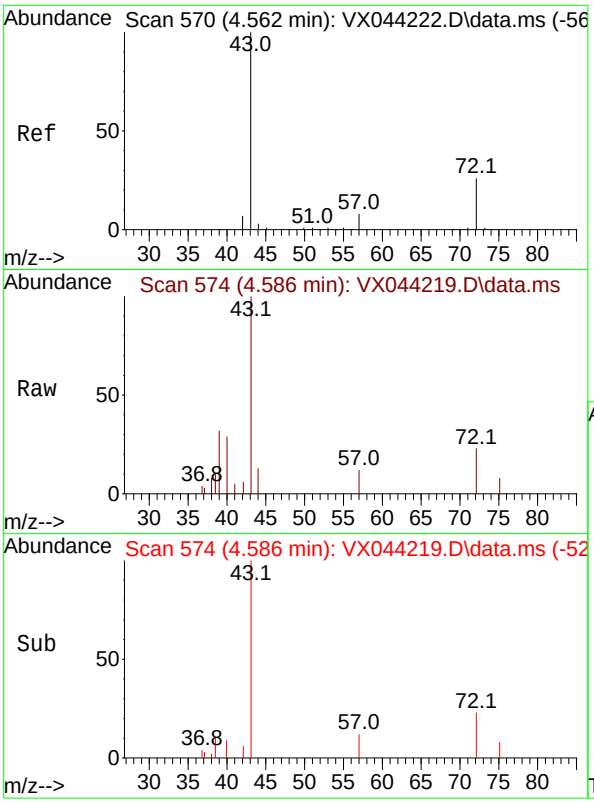


#24
1,1-Dichloroethane
Concen: 0.914 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 63 Resp: 3040

Ion	Ratio	Lower	Upper
63	100		
98	4.9	3.6	10.8
100	4.5	2.1	6.3



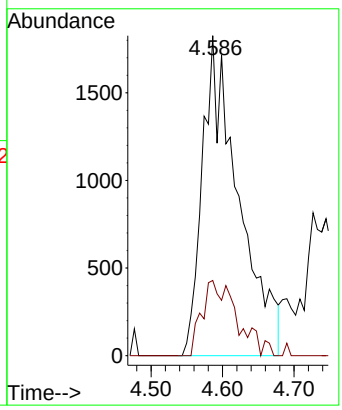


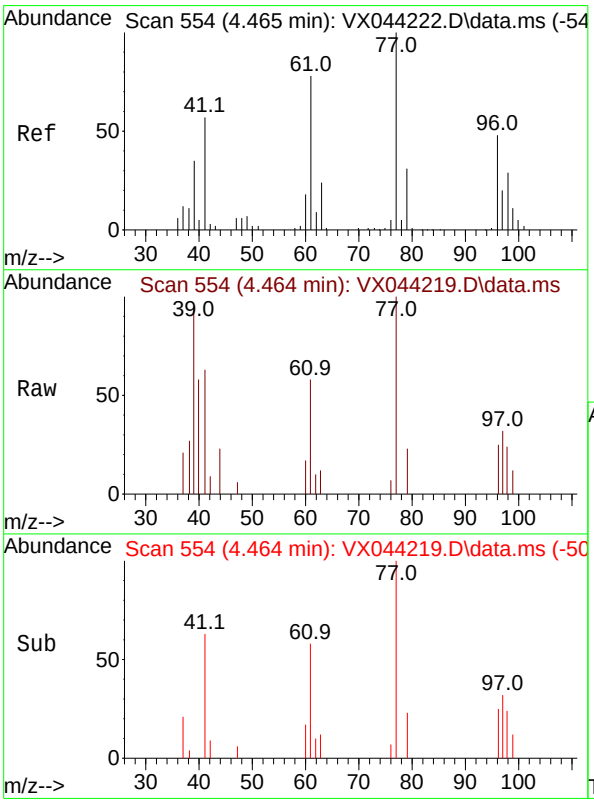
#25
2-Butanone
Concen: 4.423 ug/l
RT: 4.586 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 6380

Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.2	30.4

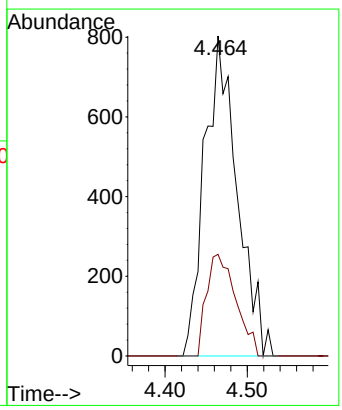


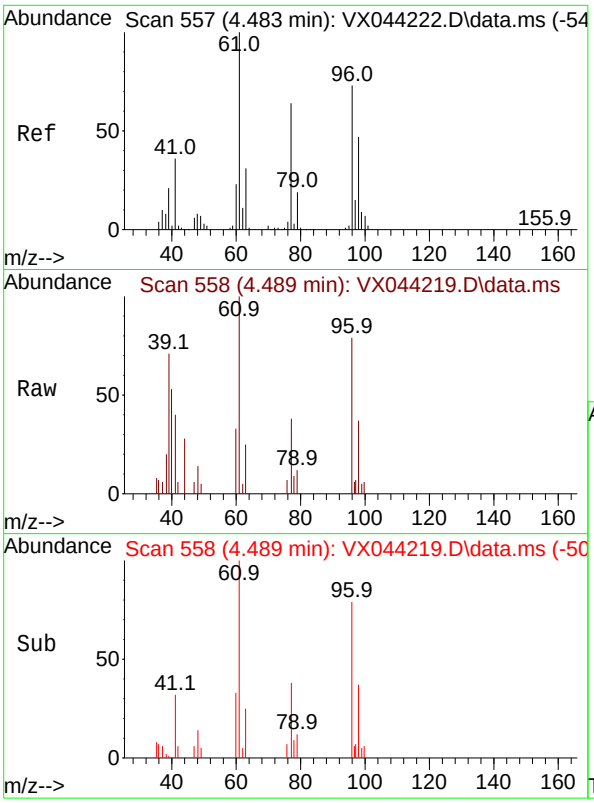


#26
2,2-Dichloropropane
Concen: 0.821 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 77 Resp: 2220

Ion	Ratio	Lower	Upper
77	100		
97	28.4	10.7	32.1



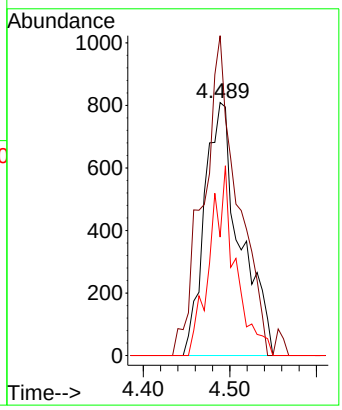


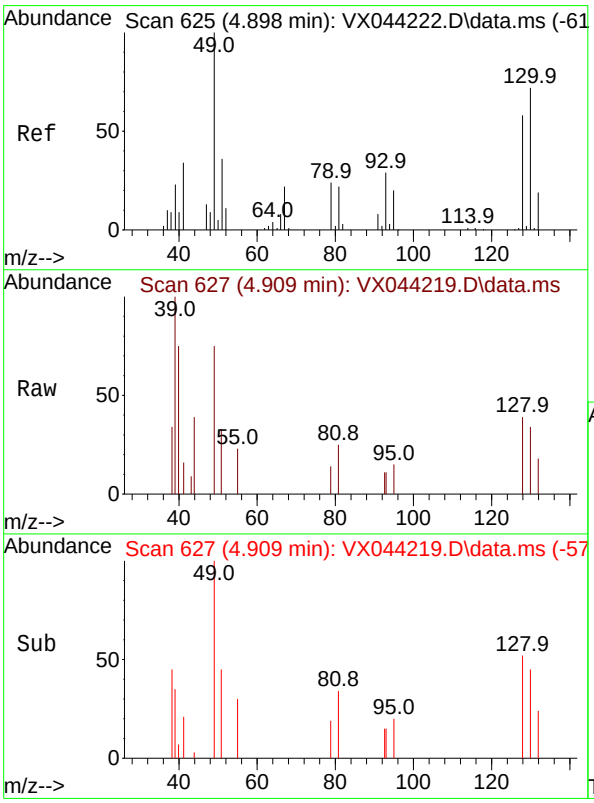
#27
cis-1,2-Dichloroethene
Concen: 1.069 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 2296

Ion	Ratio	Lower	Upper
96	100		
61	122.2	0.0	299.0
98	54.0	0.0	129.0

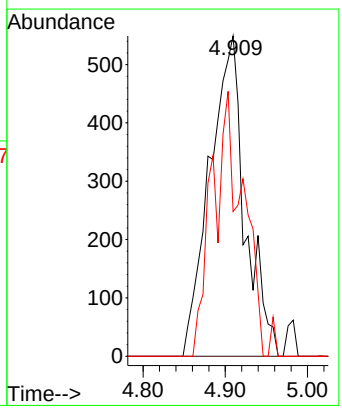


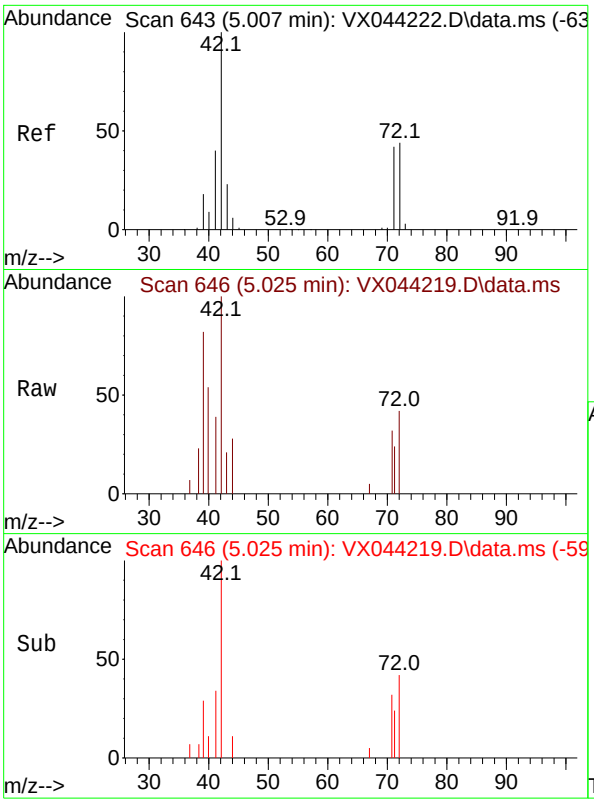


#28
Bromochloromethane
Concen: 1.006 ug/l
RT: 4.909 min Scan# 627
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 49 Resp: 1641

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	52.7	62.1	93.1#



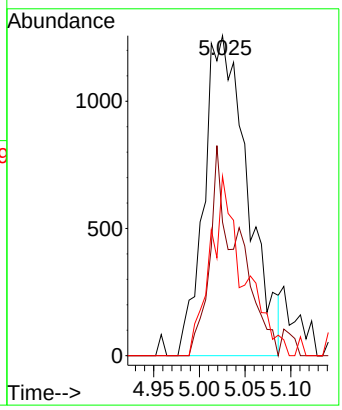


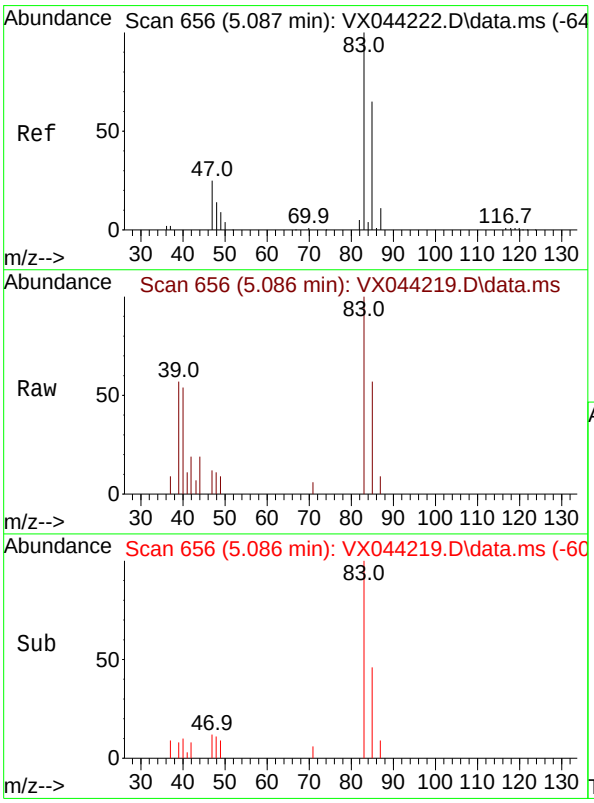
#29
Tetrahydrofuran
Concen: 4.491 ug/l
RT: 5.025 min Scan# 6
Delta R.T. 0.018 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 4158

Ion	Ratio	Lower	Upper
42	100		
72	27.0	37.0	55.6#
71	43.1	33.6	50.4

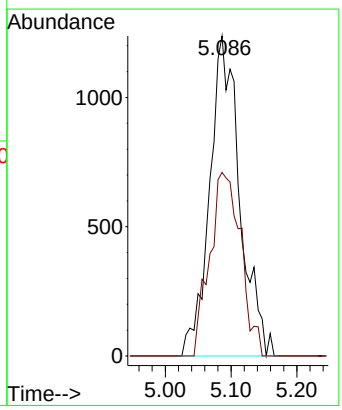


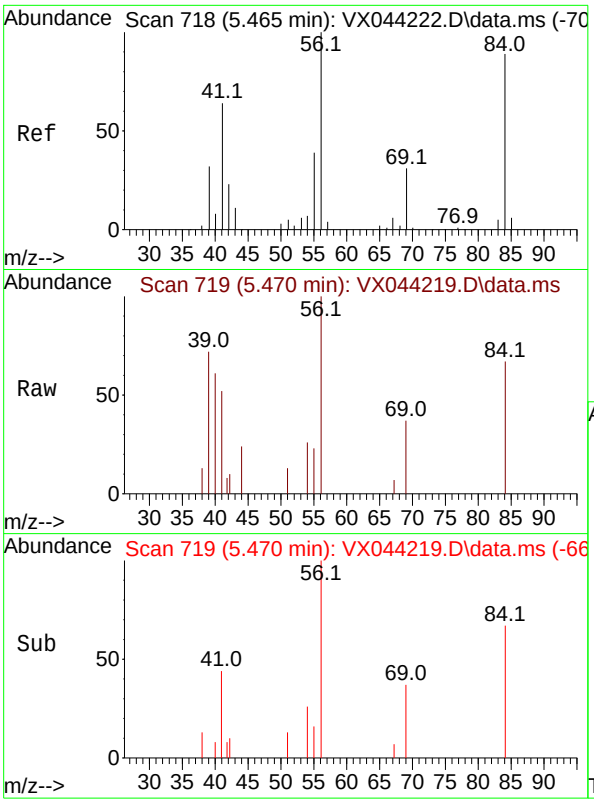


#30
Chloroform
Concen: 1.055 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 83 Resp: 3943

Ion	Ratio	Lower	Upper
83	100		
85	57.4	51.6	77.4



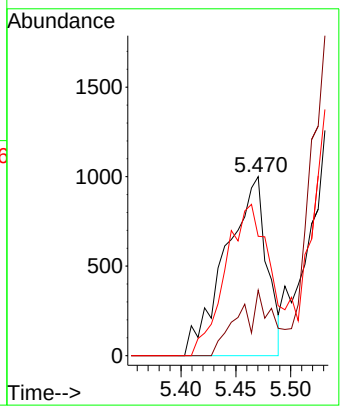


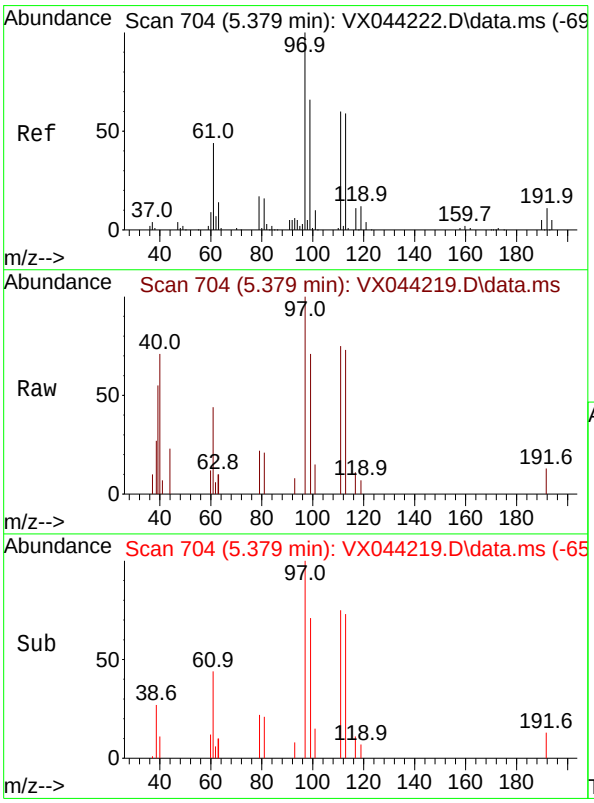
#31
Cyclohexane
Concen: 0.966 ug/l
RT: 5.470 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 2594

Ion	Ratio	Lower	Upper
56	100		
69	36.5	24.7	37.1
84	66.7	71.0	106.6#

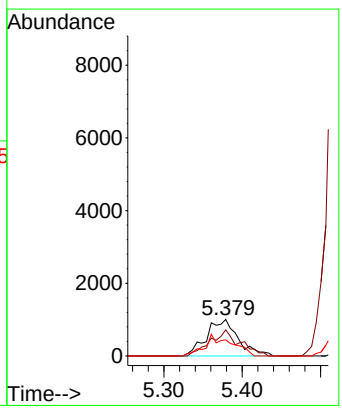


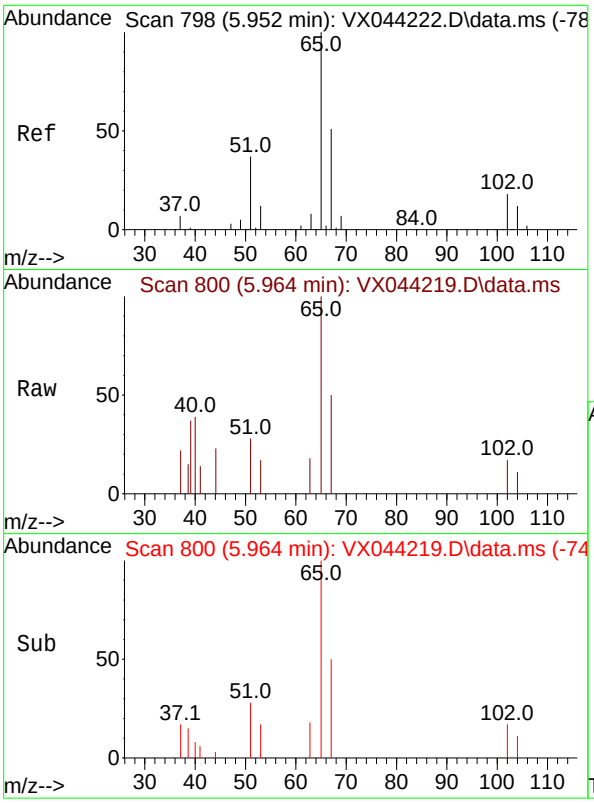


#32
1,1,1-Trichloroethane
Concen: 0.908 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 97 Resp: 2818

Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.8	76.2#
61	49.9	35.2	52.8



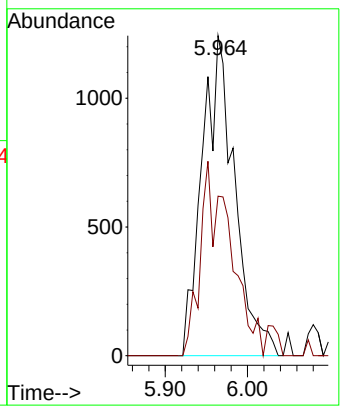


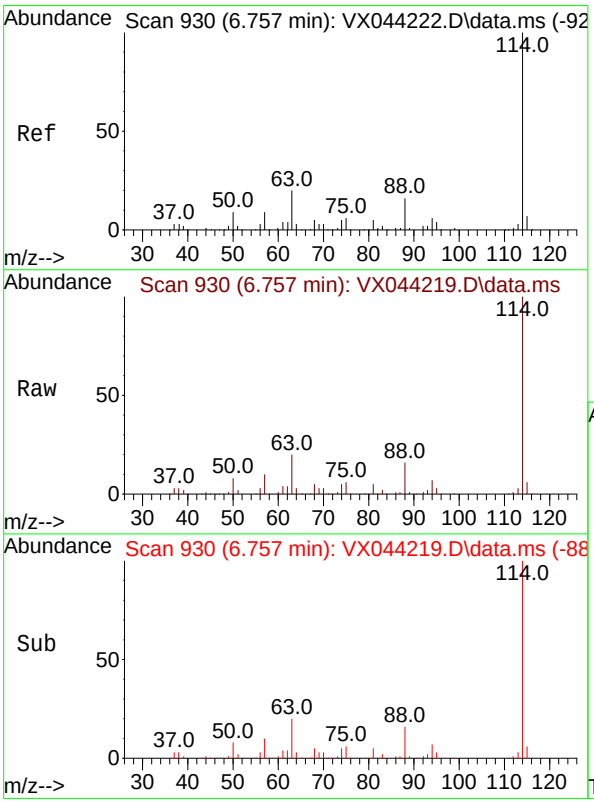
#33
1,2-Dichloroethane-d4
Concen: 1.369 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 3407

Ion	Ratio	Lower	Upper
65	100		
67	24.2	0.0	101.6

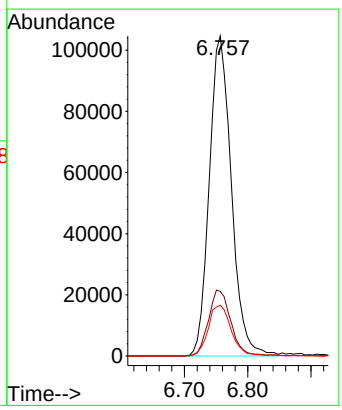


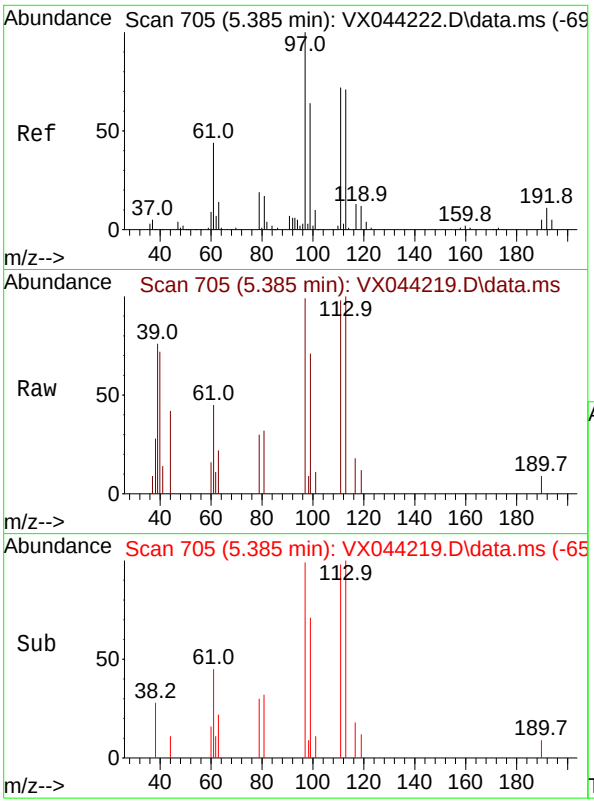


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:114 Resp: 253574

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.6
88	15.8	0.0	31.8



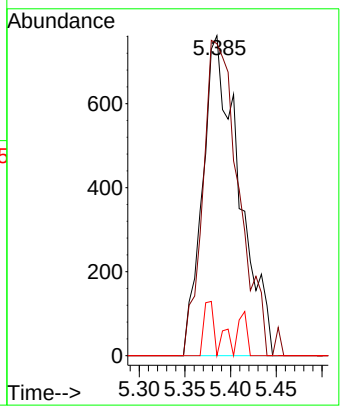


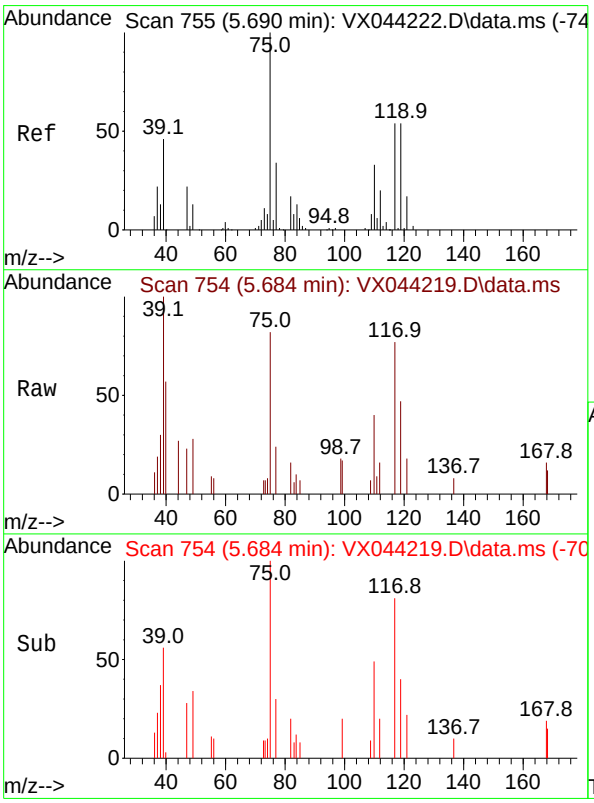
#35
Dibromofluoromethane
Concen: 1.205 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 2117

Ion	Ratio	Lower	Upper
113	100		
111	96.5	80.4	120.6
192	5.4	13.3	19.9#

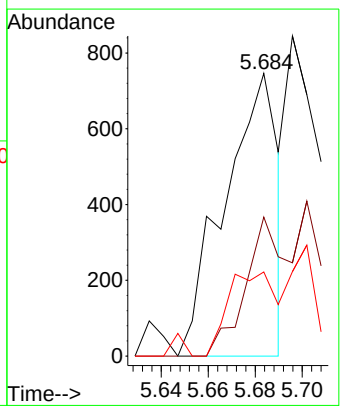


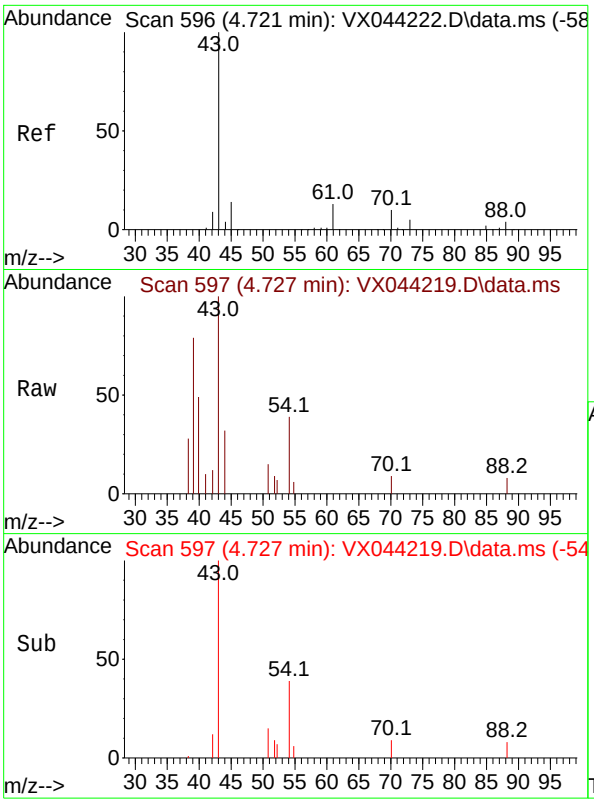


#36
1,1-Dichloropropene
Concen: 0.519 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 75 Resp: 1178

Ion	Ratio	Lower	Upper
75	100		
110	38.7	17.3	51.7
77	26.7	25.4	38.0



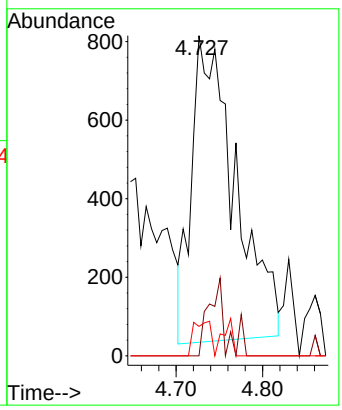


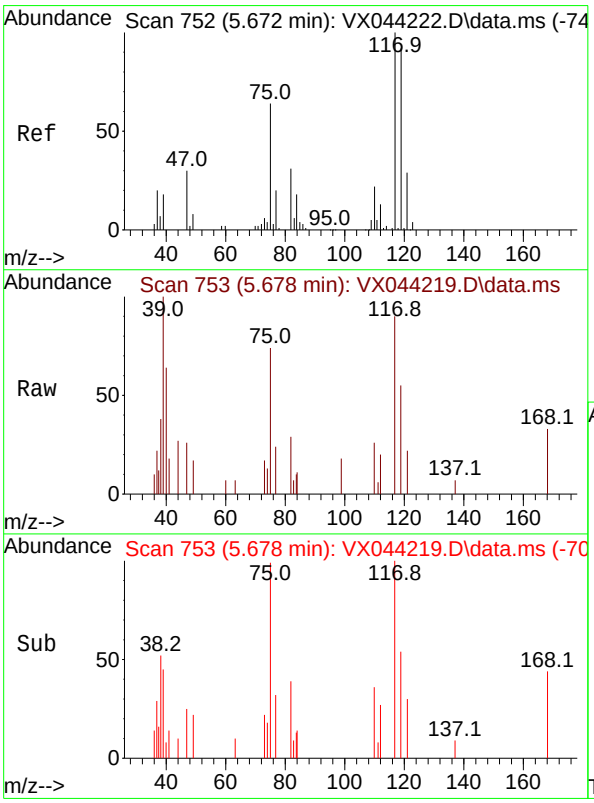
#37
Ethyl Acetate
Concen: 0.969 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 2718

Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.8	14.8#
70	0.0	7.7	11.5#

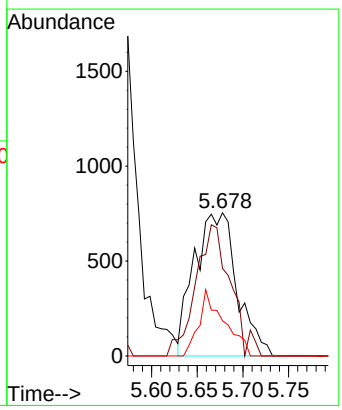


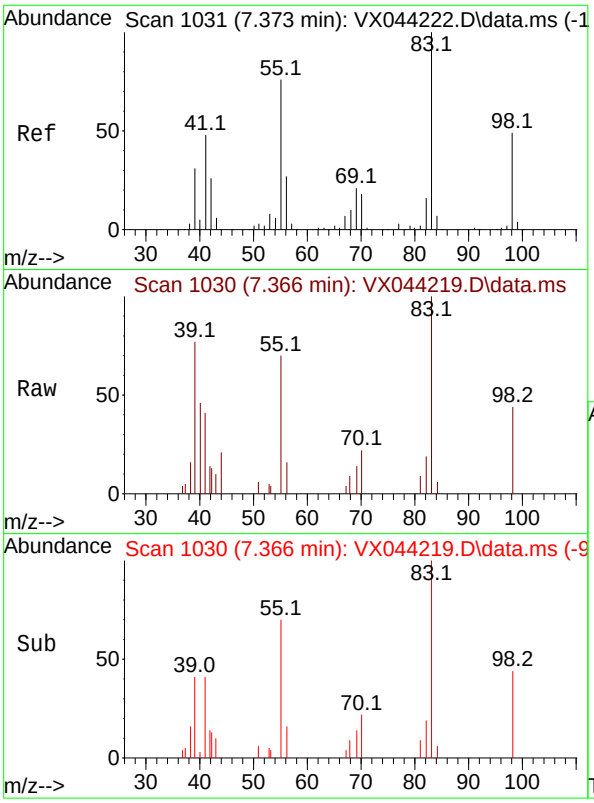


#38
Carbon Tetrachloride
Concen: 1.004 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:117 Resp: 2454

Ion	Ratio	Lower	Upper
117	100		
119	61.1	74.2	111.4#
121	24.5	23.0	34.6



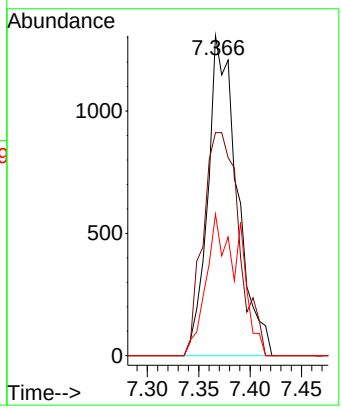


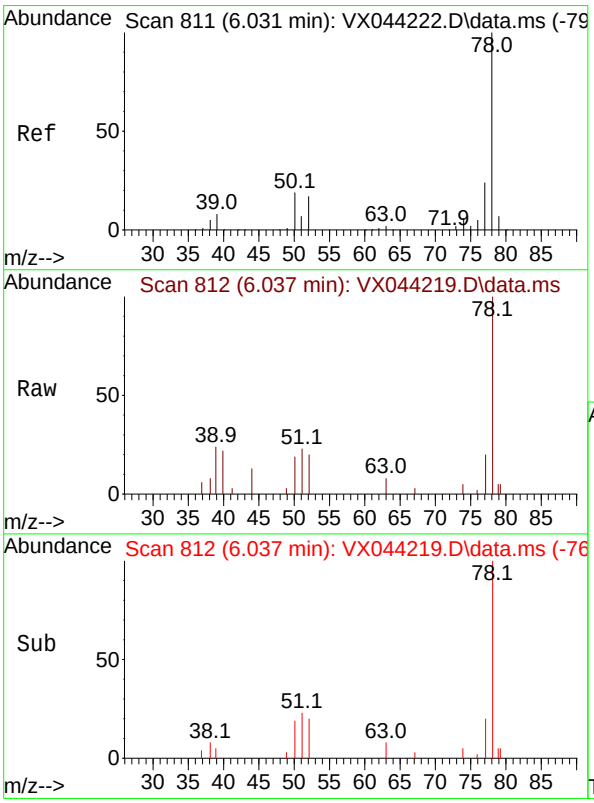
#39
Methylcyclohexane
Concen: 0.960 ug/l
RT: 7.366 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2606

Ion	Ratio	Lower	Upper
83	100		
55	69.7	60.7	91.1
98	44.3	38.9	58.3

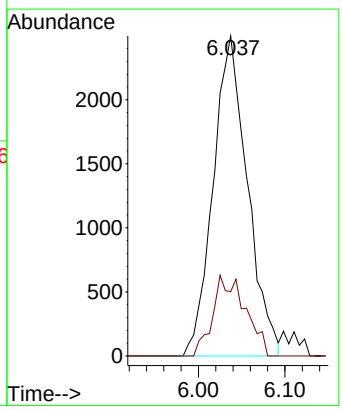


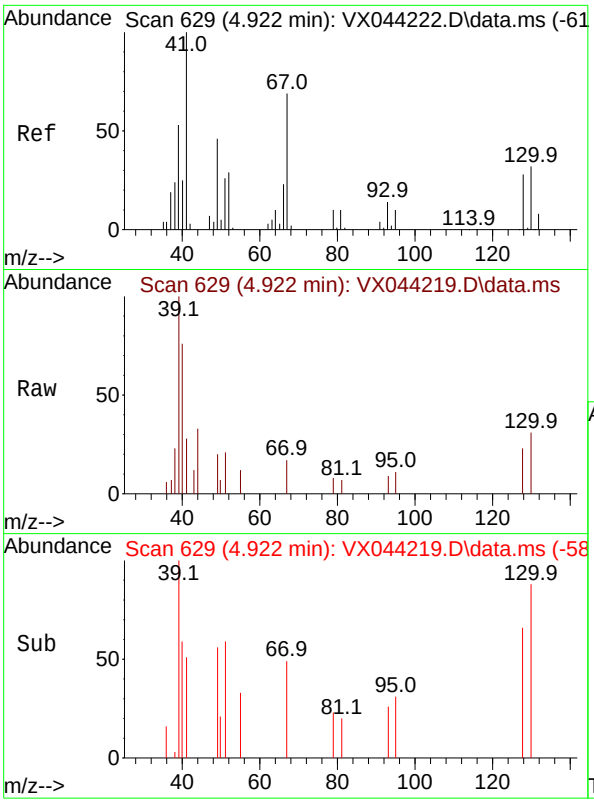


#40
Benzene
Concen: 0.996 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 78 Resp: 6864

Ion	Ratio	Lower	Upper
78	100		
77	20.1	19.3	28.9



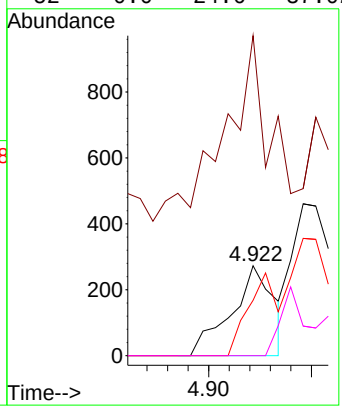


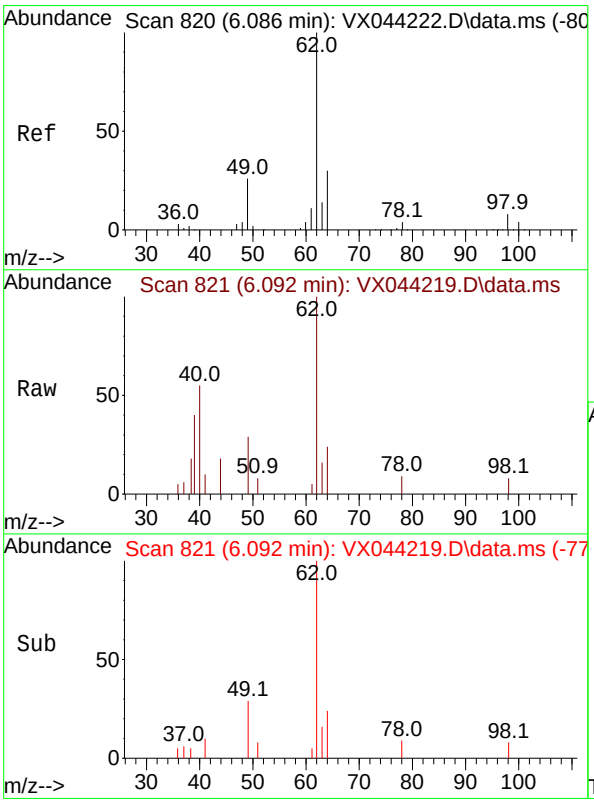
#41
Methacrylonitrile
Concen: 0.262 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 390

Ion	Ratio	Lower	Upper
41	100		
39	216.9	44.2	66.4#
67	0.0	57.2	85.8#
52	0.0	24.6	37.0#

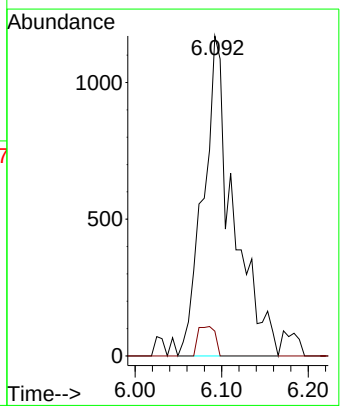


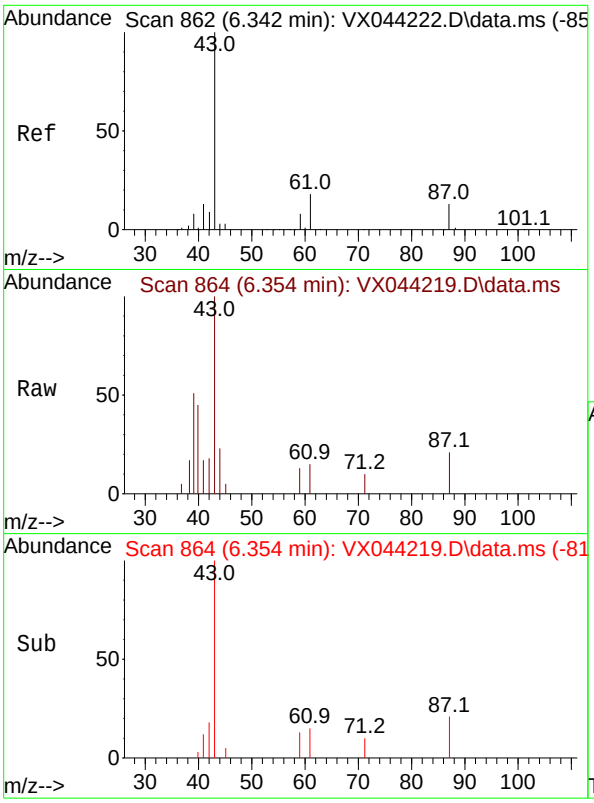


#42
1,2-Dichloroethane
Concen: 0.990 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 62 Resp: 2810

Ion	Ratio	Lower	Upper
62	100		
98	5.3	0.0	15.8



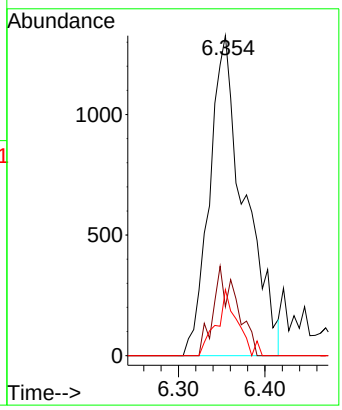


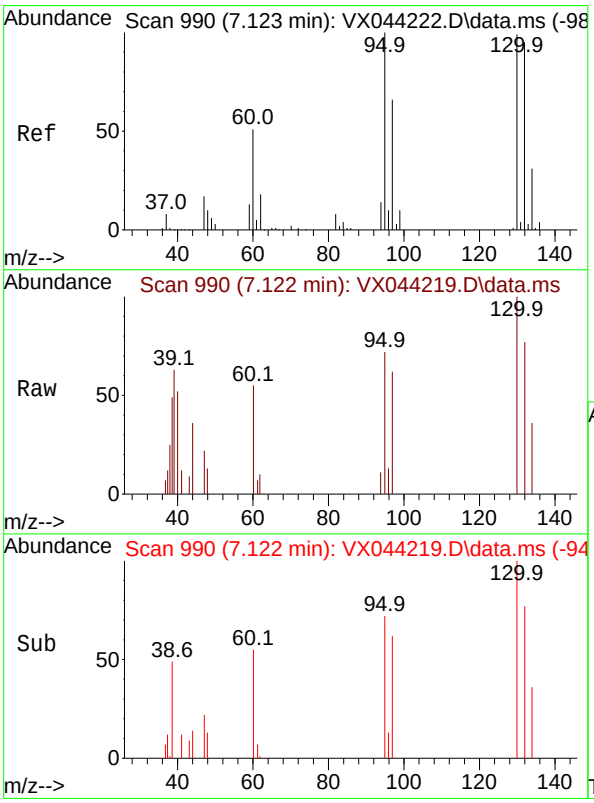
#43
Isopropyl Acetate
Concen: 0.851 ug/l
RT: 6.354 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 3734

Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.2	21.2
87	12.4	10.2	15.2

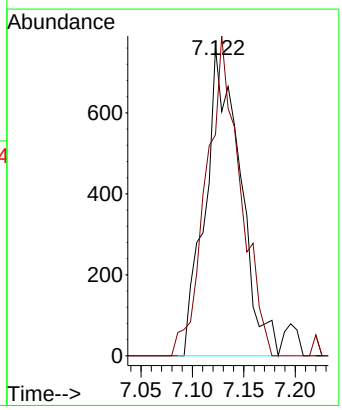


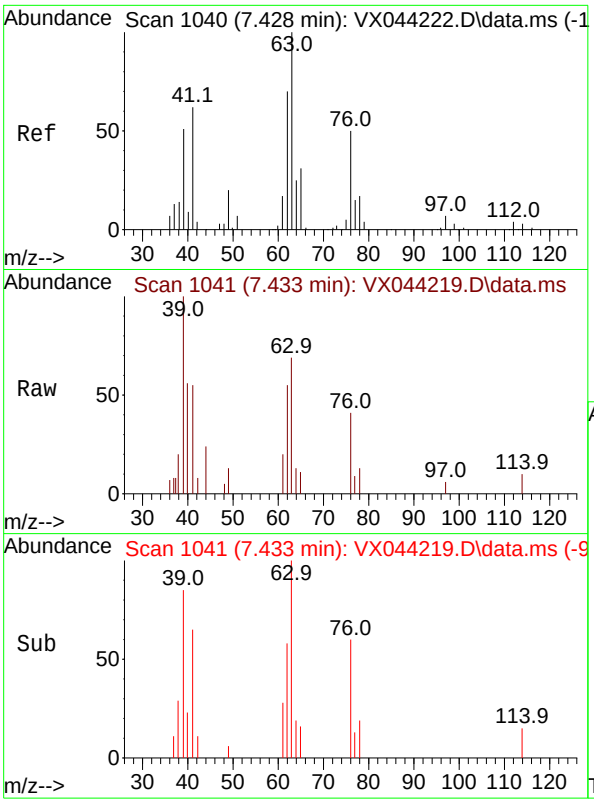


#44
Trichloroethene
Concen: 1.051 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:130 Resp: 1806

Ion	Ratio	Lower	Upper
130	100		
95	71.7	0.0	201.4



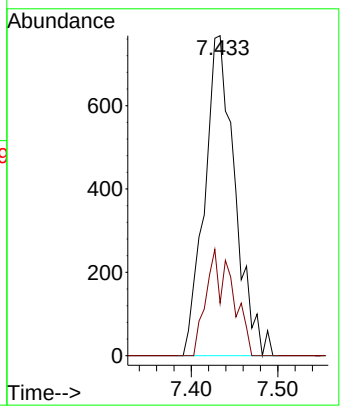


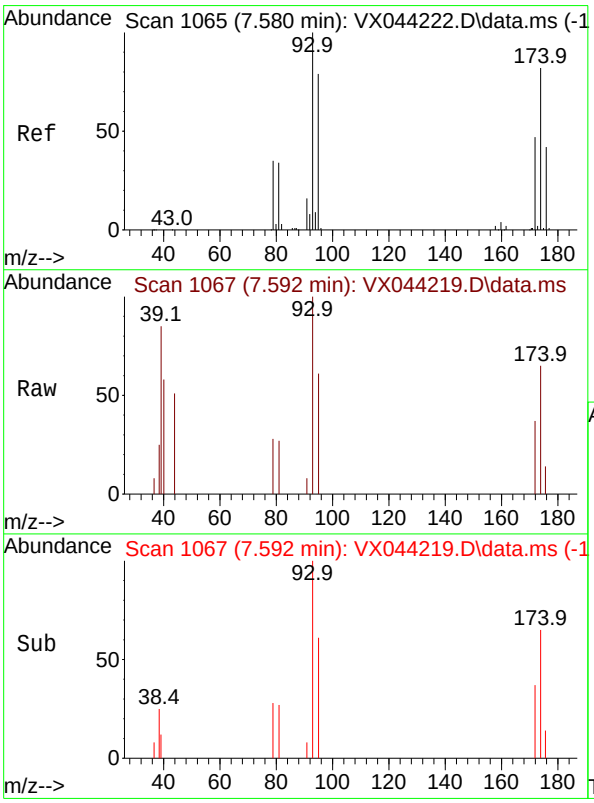
#45
1,2-Dichloropropane
Concen: 1.059 ug/l
RT: 7.433 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1865

Ion	Ratio	Lower	Upper
63	100		
65	16.4	24.6	37.0#

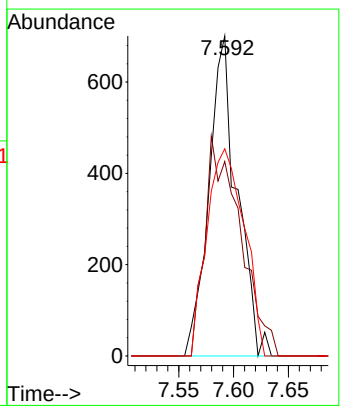


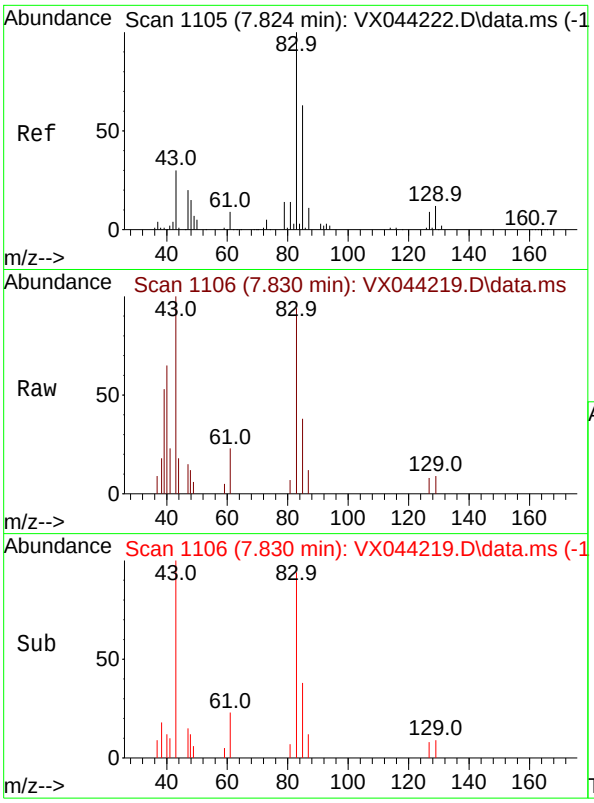


#46
Dibromomethane
Concen: 0.916 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 93 Resp: 1251

Ion	Ratio	Lower	Upper
93	100		
95	85.8	65.4	98.2
174	86.3	67.9	101.9



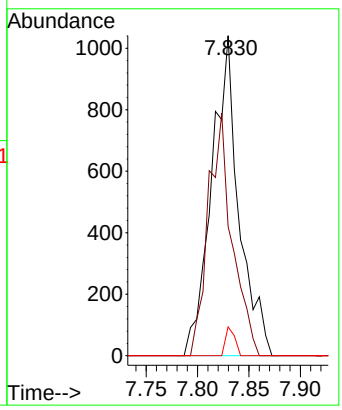


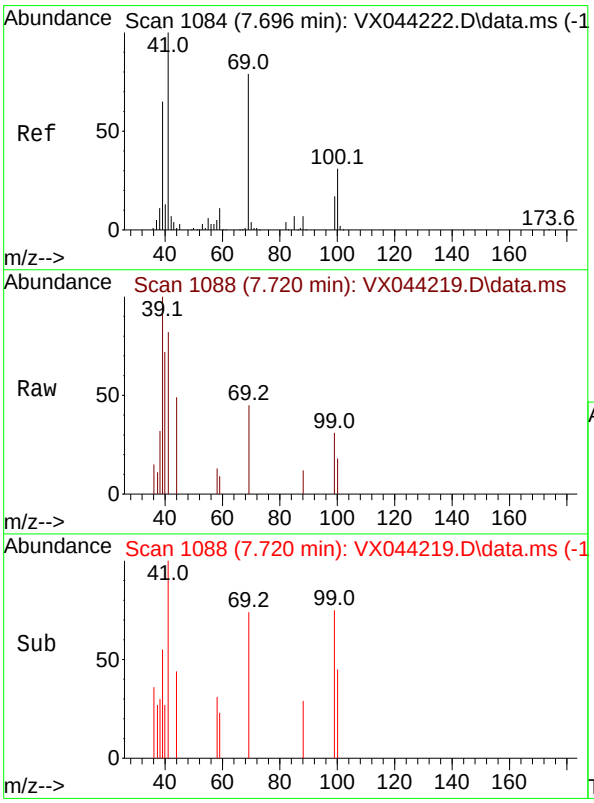
#47
Bromodichloromethane
Concen: 0.816 ug/l
RT: 7.830 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1926

Ion	Ratio	Lower	Upper
83	100		
85	40.3	50.6	75.8#
127	9.0	7.3	10.9

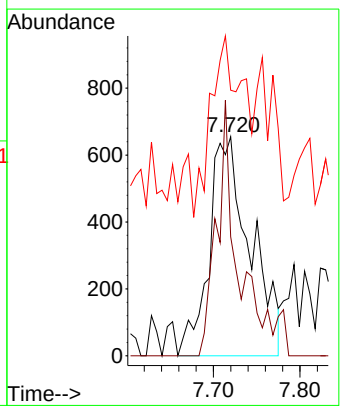


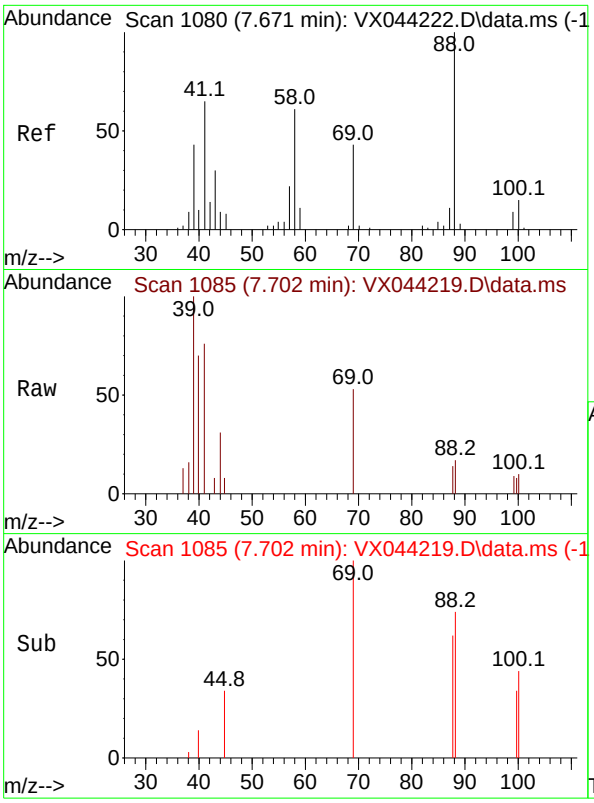


#48
Methyl methacrylate
Concen: 1.018 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.024 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 41 Resp: 2168

Ion	Ratio	Lower	Upper
41	100		
69	43.9	62.4	93.6#
39	64.1	53.3	79.9



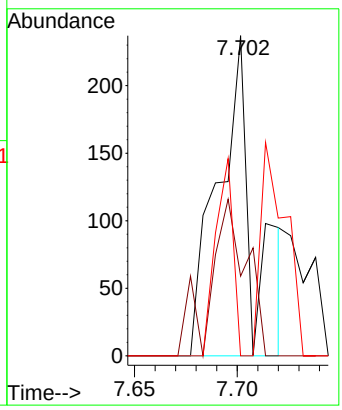


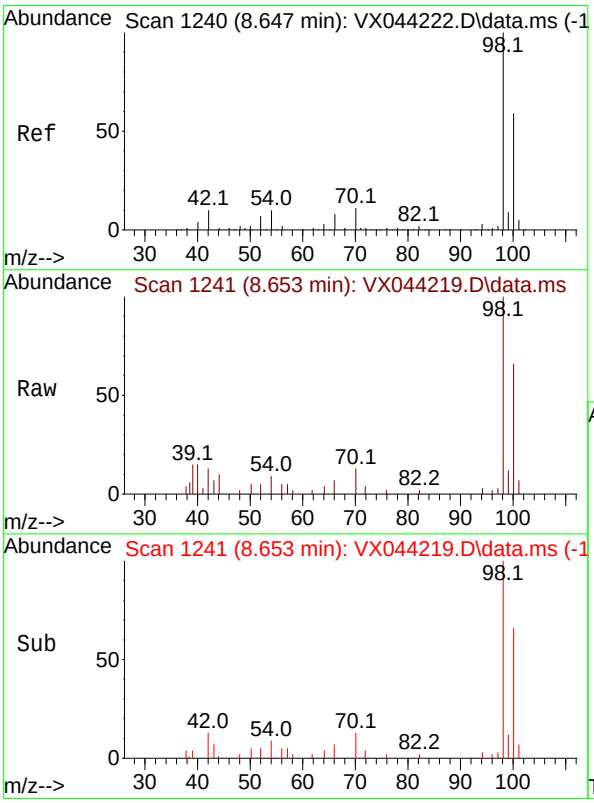
#49
1,4-Dioxane
Concen: 7.943 ug/l
RT: 7.702 min Scan# 1
Delta R.T. 0.030 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 289

Ion	Ratio	Lower	Upper
88	100		
43	49.1	27.1	40.7#
58	30.1	41.0	61.4#

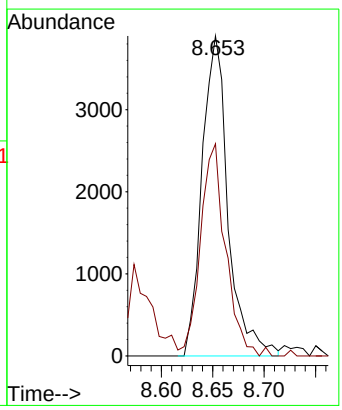


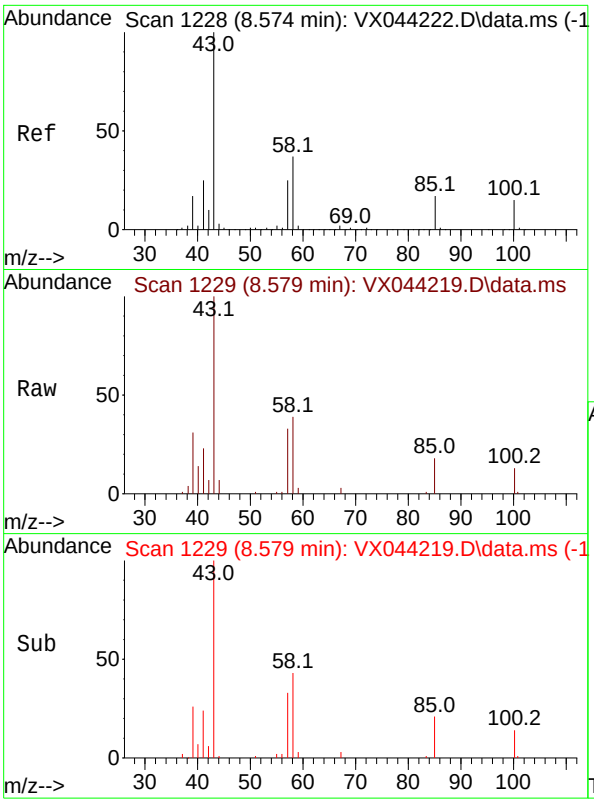


#50
Toluene-d8
Concen: 1.156 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 98 Resp: 6848

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.5	77.3



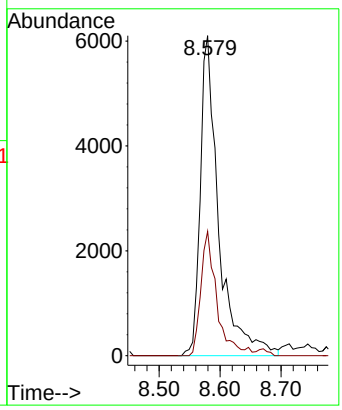


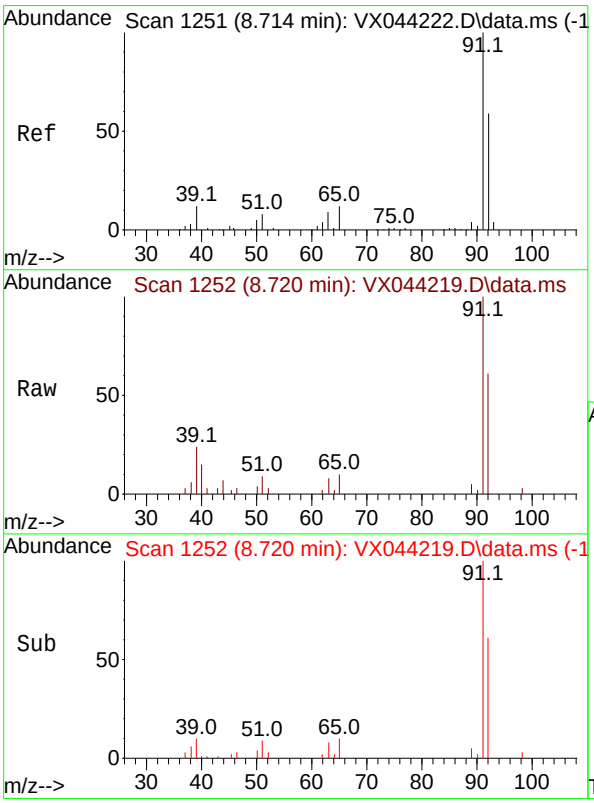
#51
4-Methyl-2-Pentanone
Concen: 4.547 ug/l
RT: 8.579 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 12824

Ion	Ratio	Lower	Upper
43	100		
58	34.0	29.4	44.0

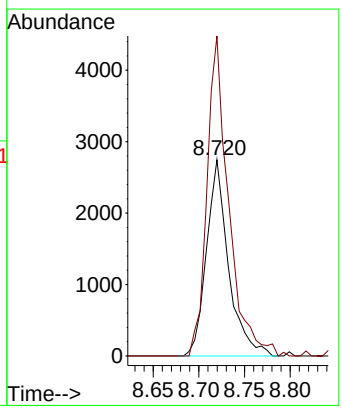


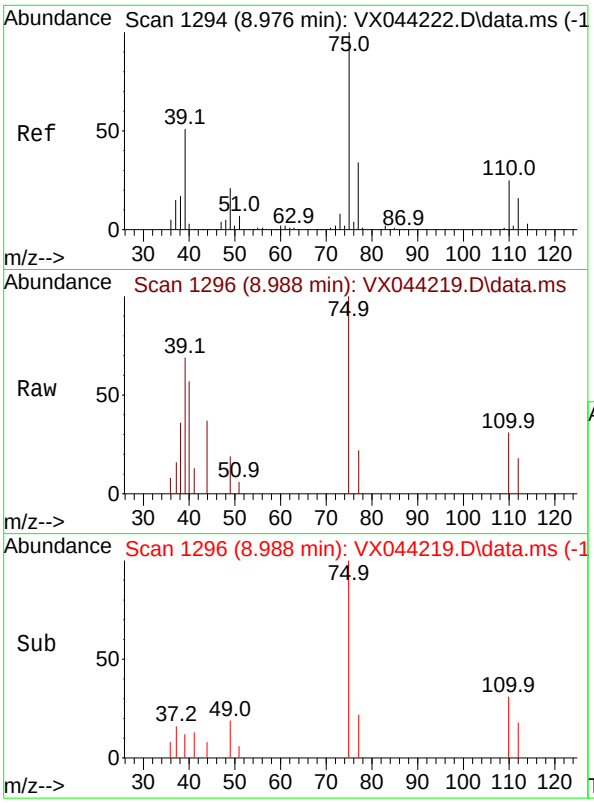


#52
Toluene
Concen: 1.064 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 92 Resp: 4606

Ion	Ratio	Lower	Upper
92	100		
91	160.1	137.0	205.6



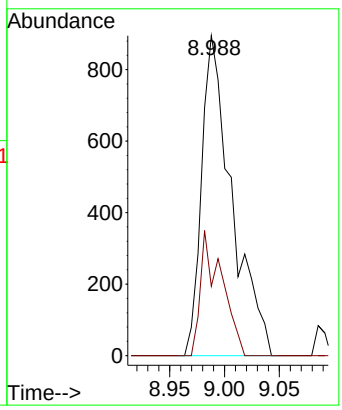


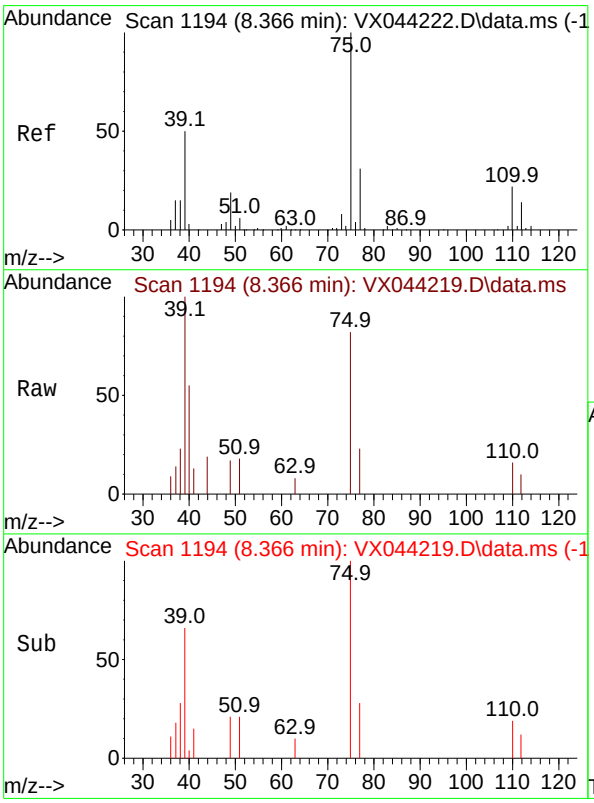
#53
t-1,3-Dichloropropene
Concen: 1.694 ug/l
RT: 8.988 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 1716

Ion	Ratio	Lower	Upper
75	100		
77	21.7	27.2	40.8#

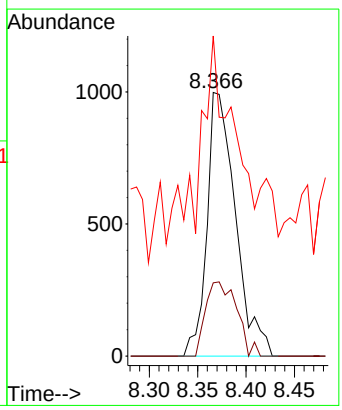


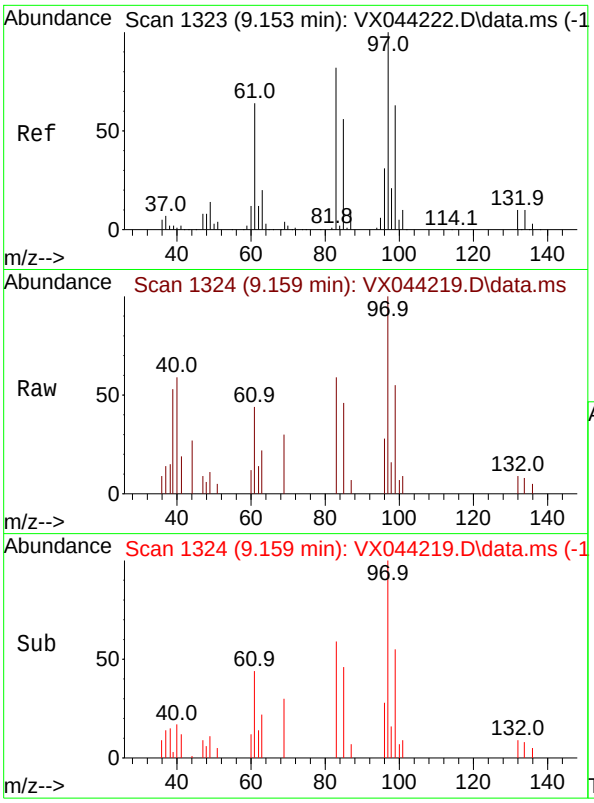


#54
cis-1,3-Dichloropropene
Concen: 0.797 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 75 Resp: 2048

Ion	Ratio	Lower	Upper
75	100		
77	27.8	24.7	37.1
39	76.2	40.3	60.5#



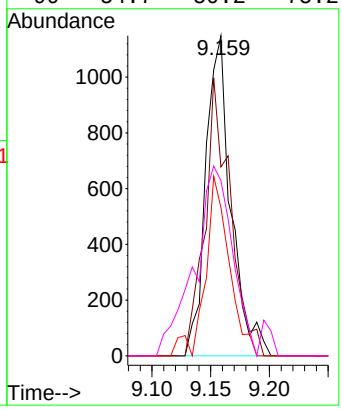


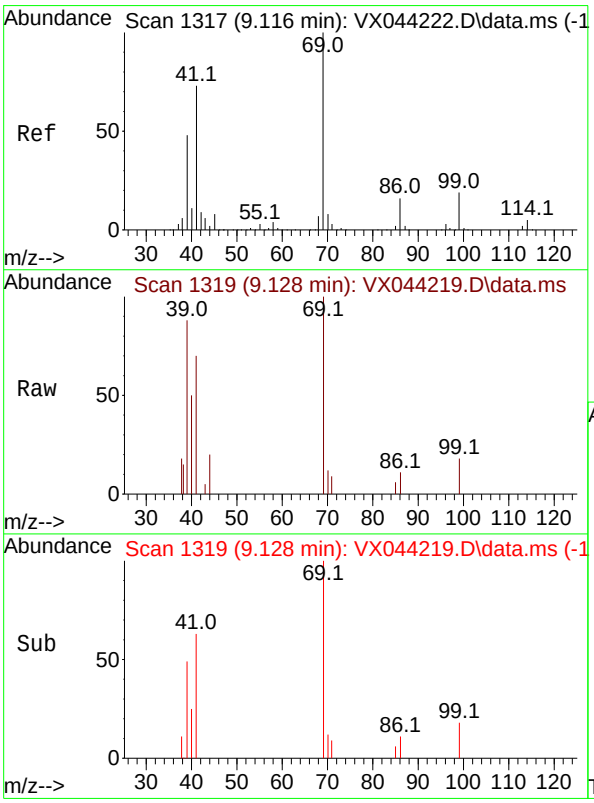
#55
1,1,2-Trichloroethane
Concen: 0.994 ug/l
RT: 9.159 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 1710

Ion	Ratio	Lower	Upper
97	100		
83	59.0	65.3	97.9#
85	46.3	44.6	67.0
99	54.7	50.2	75.2

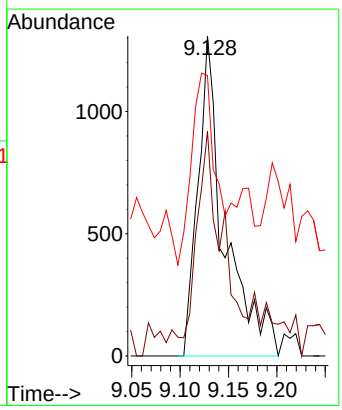


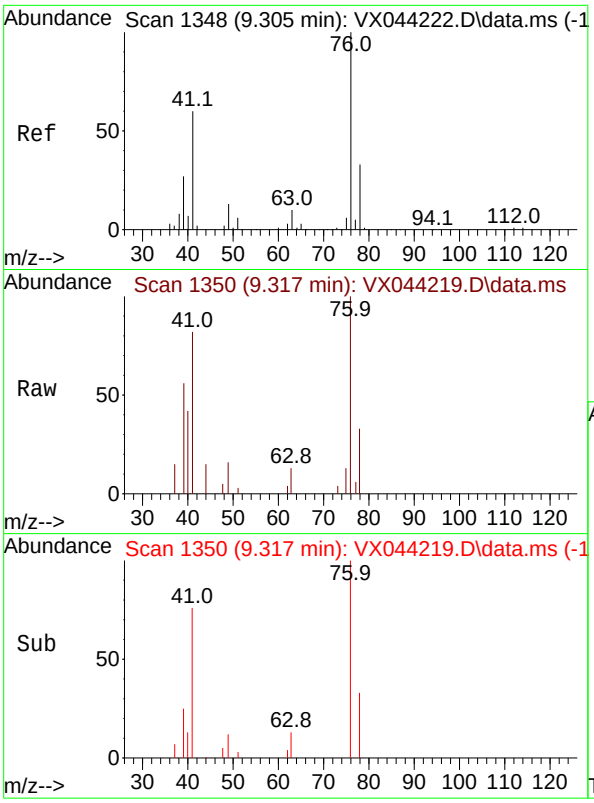


#56
Ethyl methacrylate
Concen: 0.917 ug/l
RT: 9.128 min Scan# 1319
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 69 Resp: 2490

Ion	Ratio	Lower	Upper
69	100		
41	55.7	56.6	85.0#
39	53.1	37.4	56.0



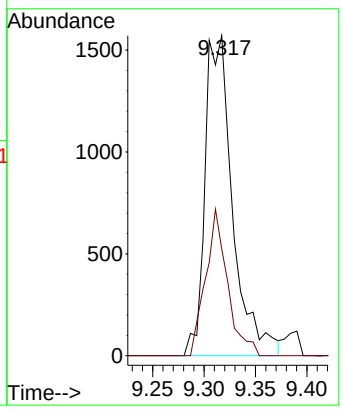


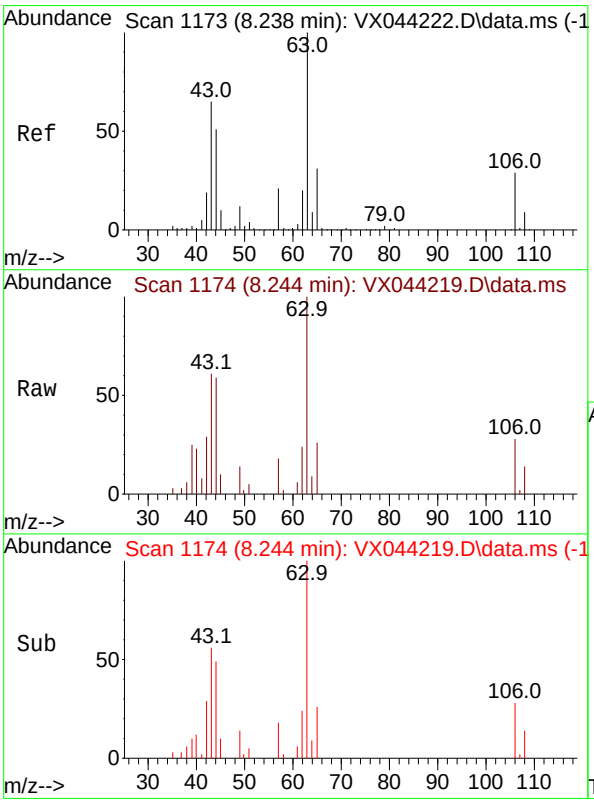
#57
1,3-Dichloropropane
Concen: 0.979 ug/l
RT: 9.317 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 2929

Ion	Ratio	Lower	Upper
76	100		
78	36.5	26.5	39.7

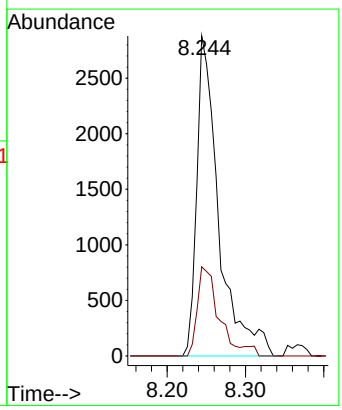


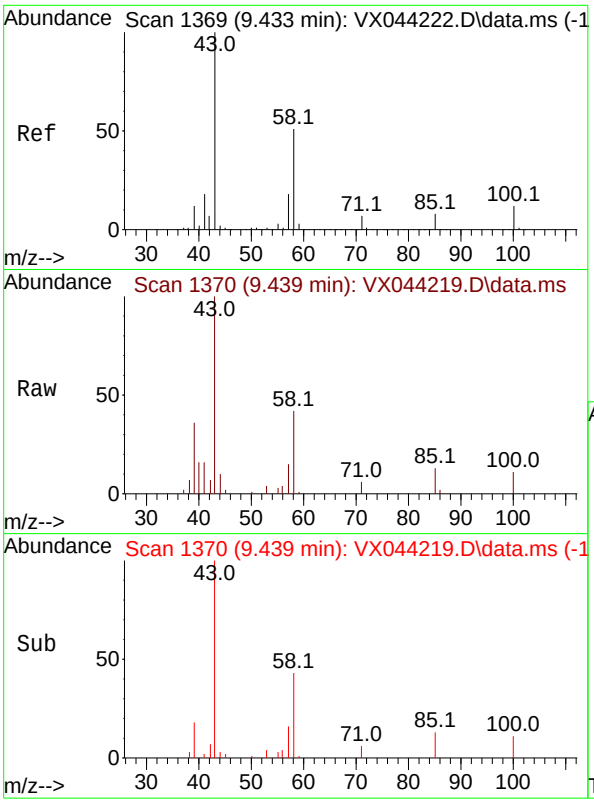


#58
2-Chloroethyl Vinyl ether
Concen: 4.105 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 63 Resp: 5621

Ion	Ratio	Lower	Upper
63	100		
106	26.2	22.8	34.2



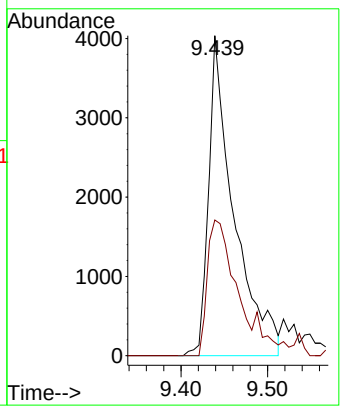


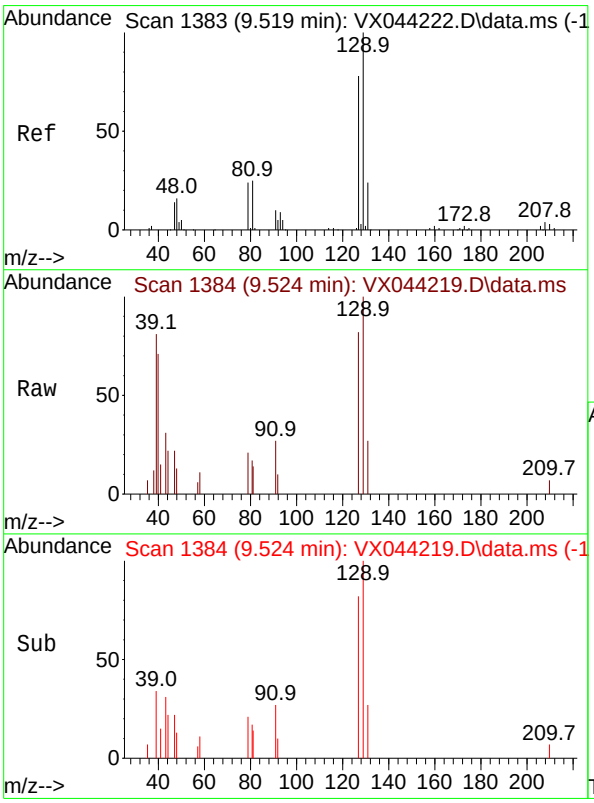
#59
2-Hexanone
Concen: 4.017 ug/l
RT: 9.439 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 8199

Ion	Ratio	Lower	Upper
43	100		
58	52.5	25.7	77.0

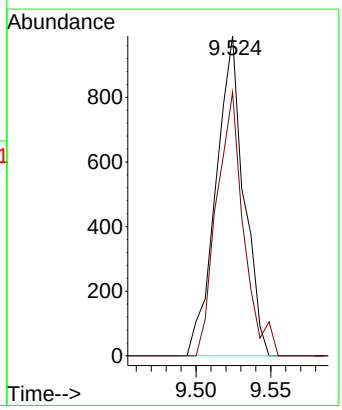


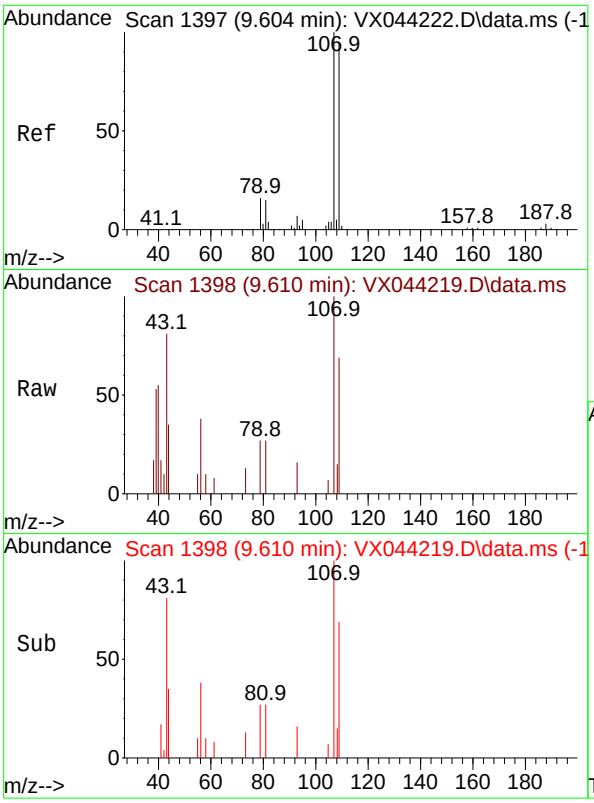


#60
Dibromochloromethane
Concen: 1.953 ug/l
RT: 9.524 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:129 Resp: 1289

Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.5	115.3



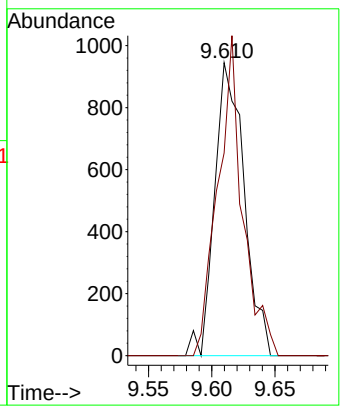


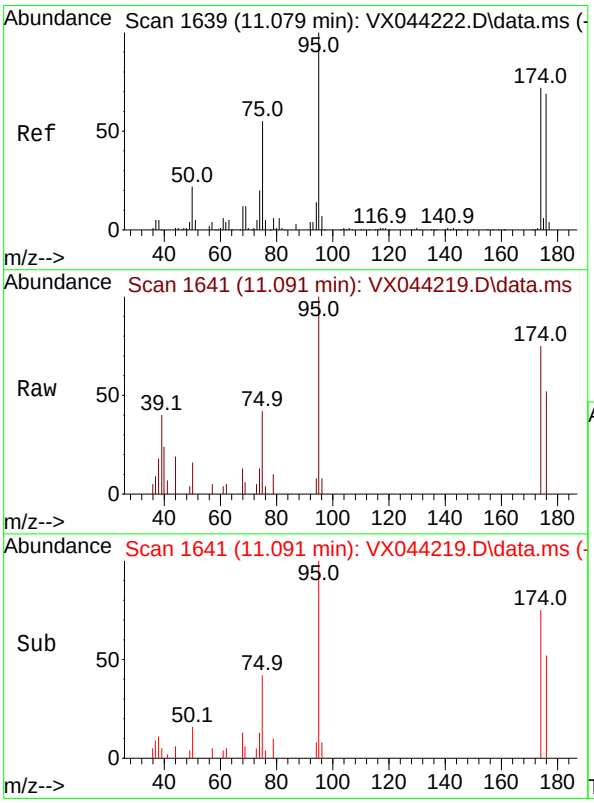
#61
1,2-Dibromoethane
Concen: 0.877 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 1535

Ion	Ratio	Lower	Upper
107	100		
109	91.3	77.0	115.4

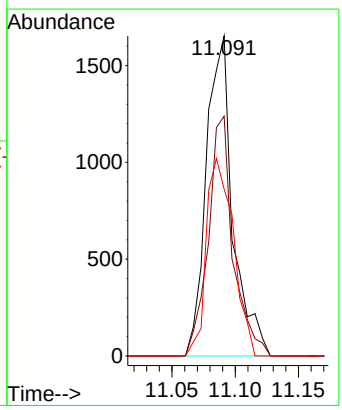


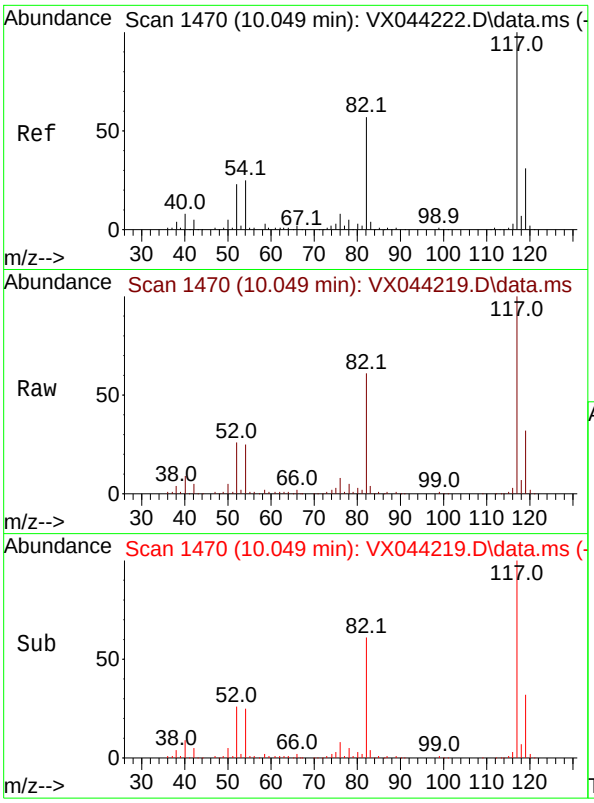


#62
4-Bromofluorobenzene
Concen: 1.158 ug/l
RT: 11.091 min Scan# 1641
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 95 Resp: 2398

Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	145.8
176	63.4	0.0	137.8



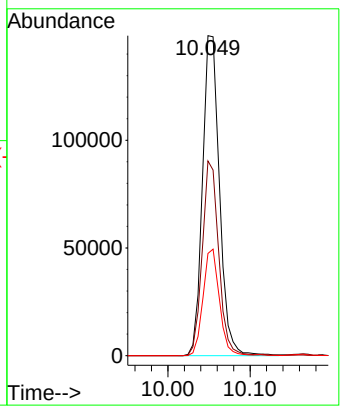


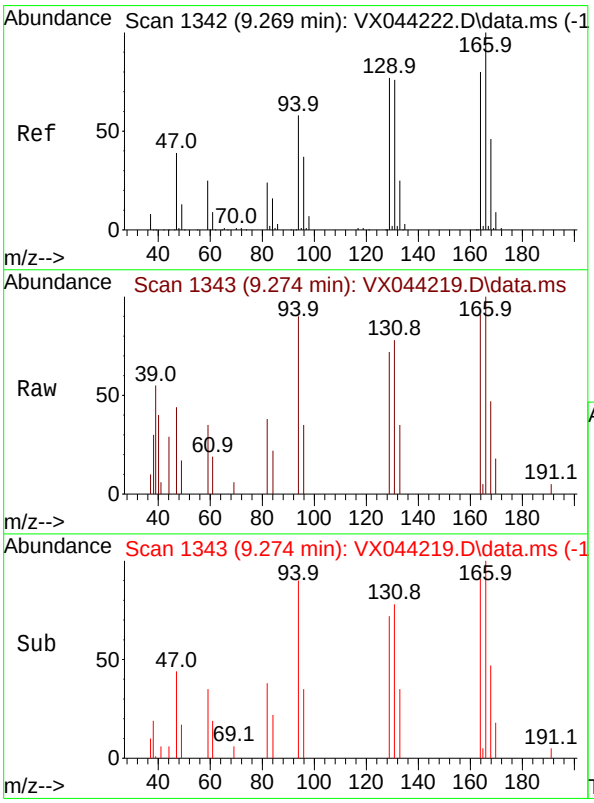
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 213862

Ion	Ratio	Lower	Upper
117	100		
82	60.9	45.8	68.8
119	32.0	25.0	37.4

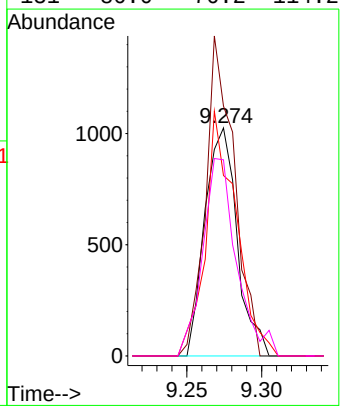


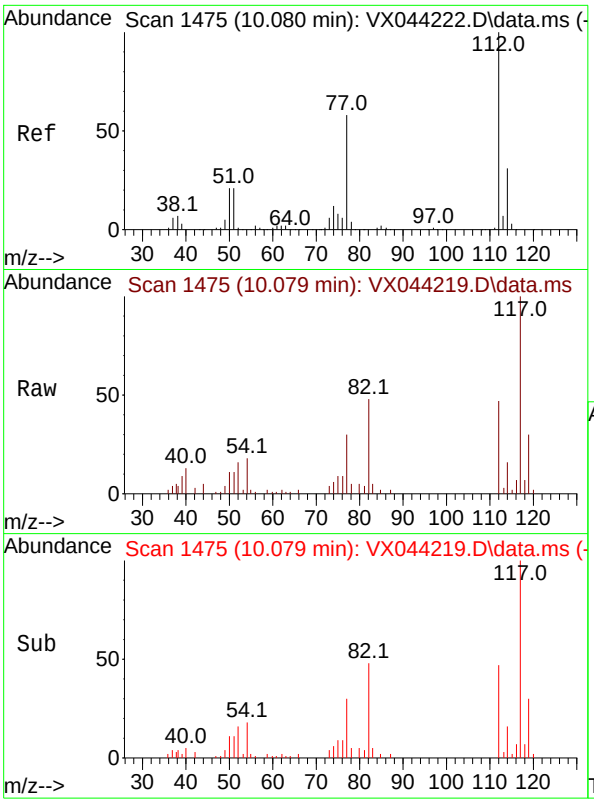


#64
Tetrachloroethene
Concen: 1.082 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:164 Resp: 1536

Ion	Ratio	Lower	Upper
164	100		
166	109.7	100.4	150.6
129	79.2	77.2	115.8
131	86.0	76.2	114.2



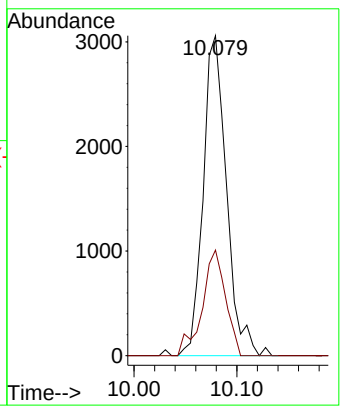


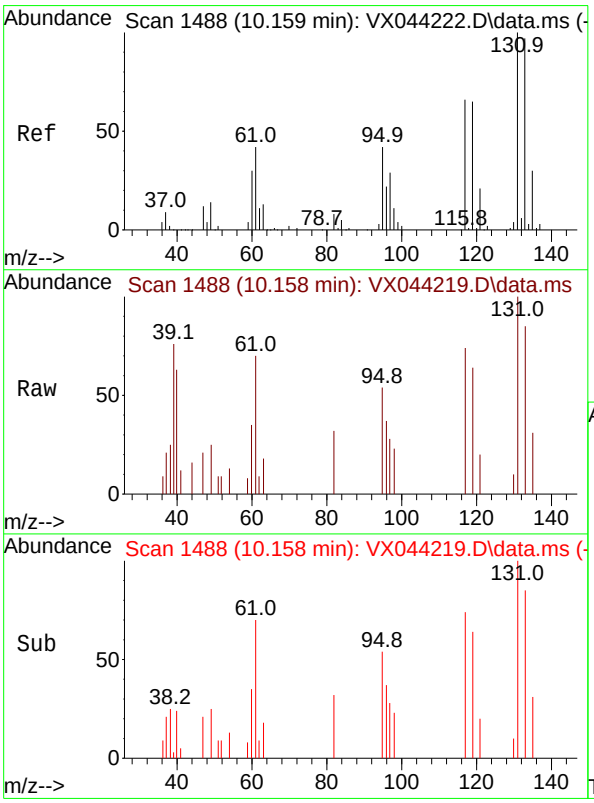
#65
Chlorobenzene
Concen: 1.055 ug/l
RT: 10.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 4835

Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.0	37.6

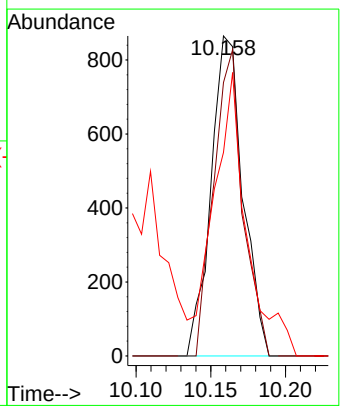


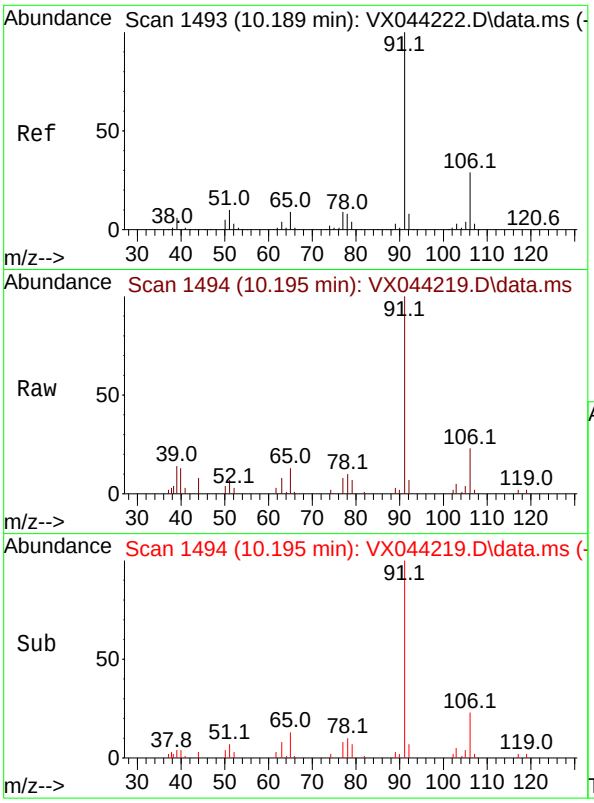


#66
1,1,1,2-Tetrachloroethane
Concen: 0.875 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:131 Resp: 1288

Ion	Ratio	Lower	Upper
131	100		
133	87.3	47.3	141.8
119	0.0	31.6	95.0#



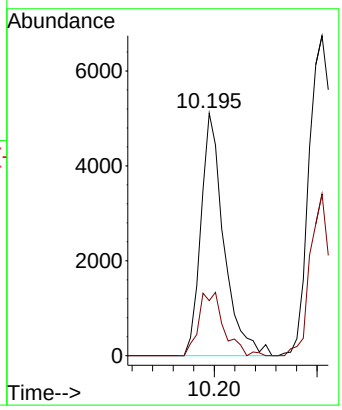


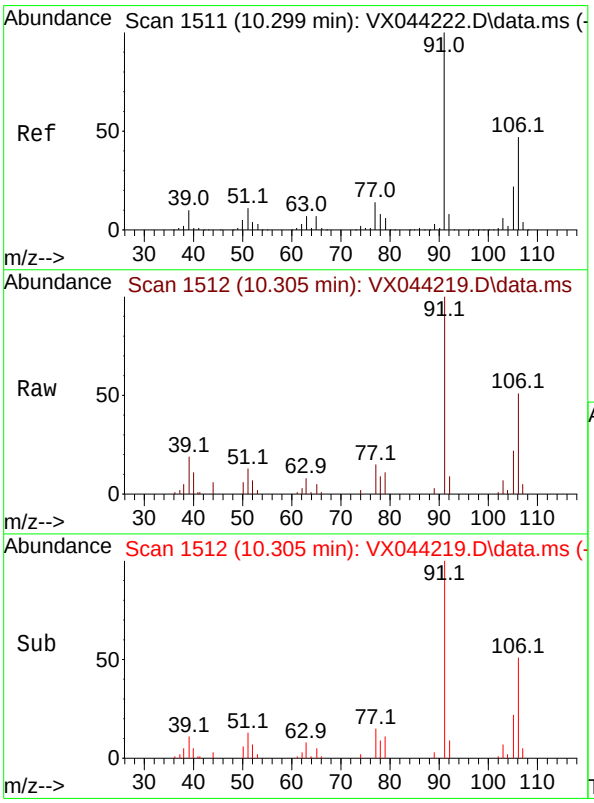
#67
Ethyl Benzene
Concen: 1.001 ug/l
RT: 10.195 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 7924

Ion	Ratio	Lower	Upper
91	100		
106	22.7	23.5	35.3#

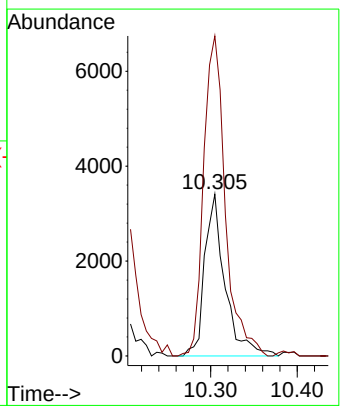


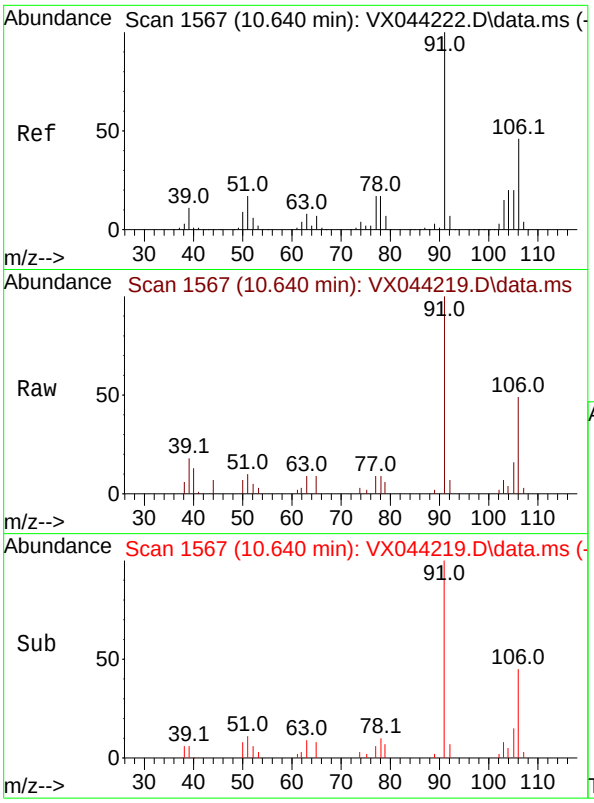


#68
m/p-Xylenes
Concen: 1.922 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:106 Resp: 5583

Ion	Ratio	Lower	Upper
106	100		
91	210.1	170.2	255.2



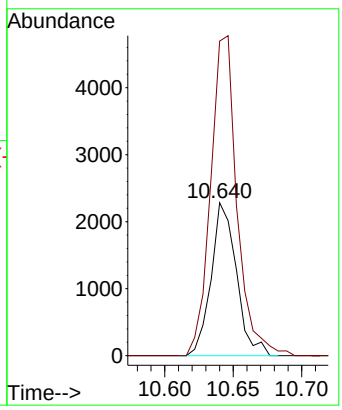


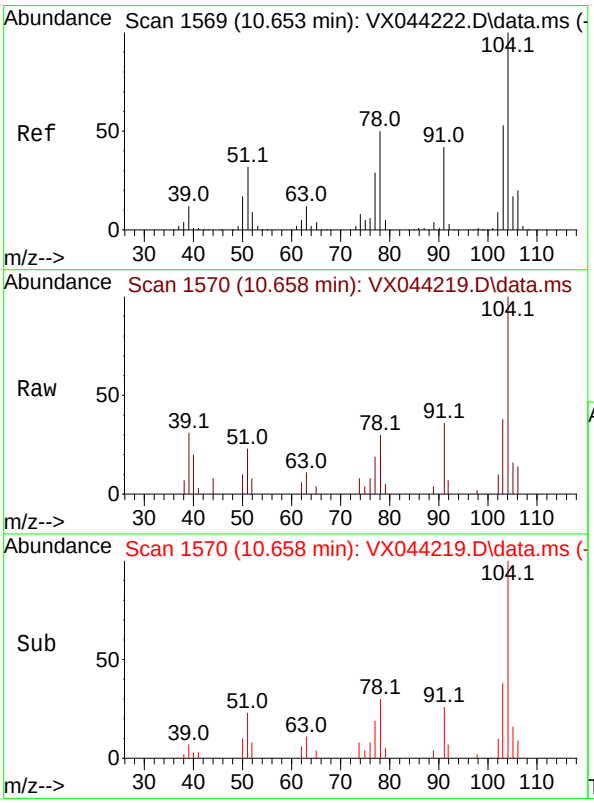
#69
o-Xylene
Concen: 0.998 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 2933

Ion	Ratio	Lower	Upper
106	100		
91	218.2	112.3	337.0

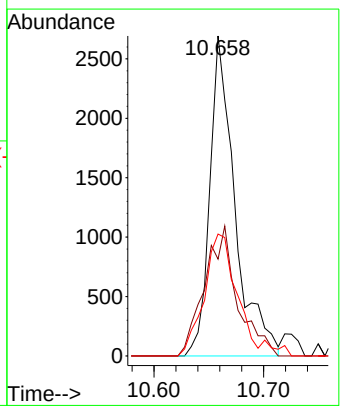


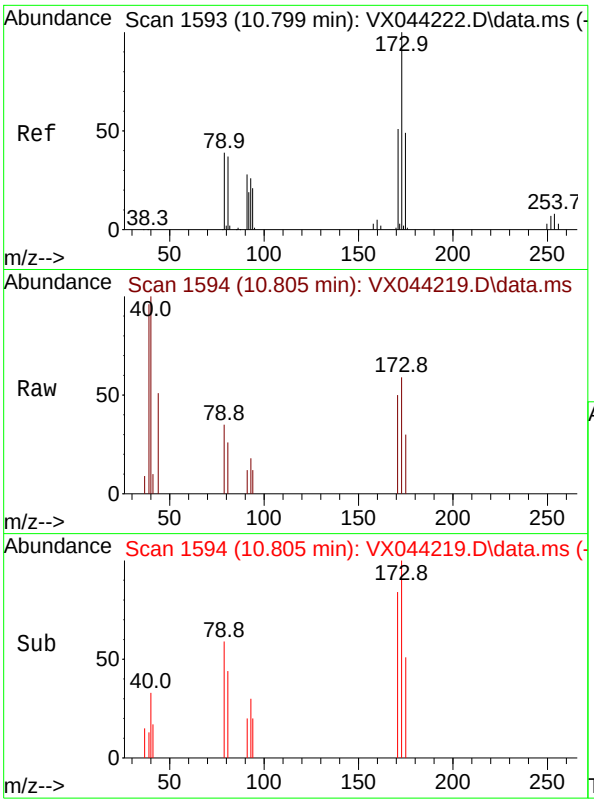


#70
Styrene
Concen: 0.914 ug/l
RT: 10.658 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:104 Resp: 4306

Ion	Ratio	Lower	Upper
104	100		
78	52.8	44.6	67.0
103	51.2	45.4	68.0



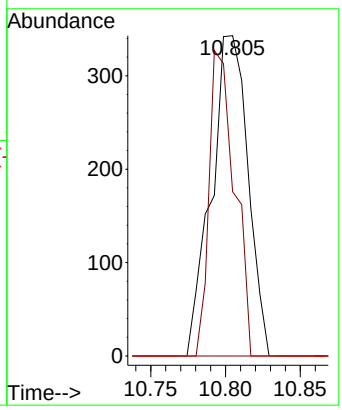


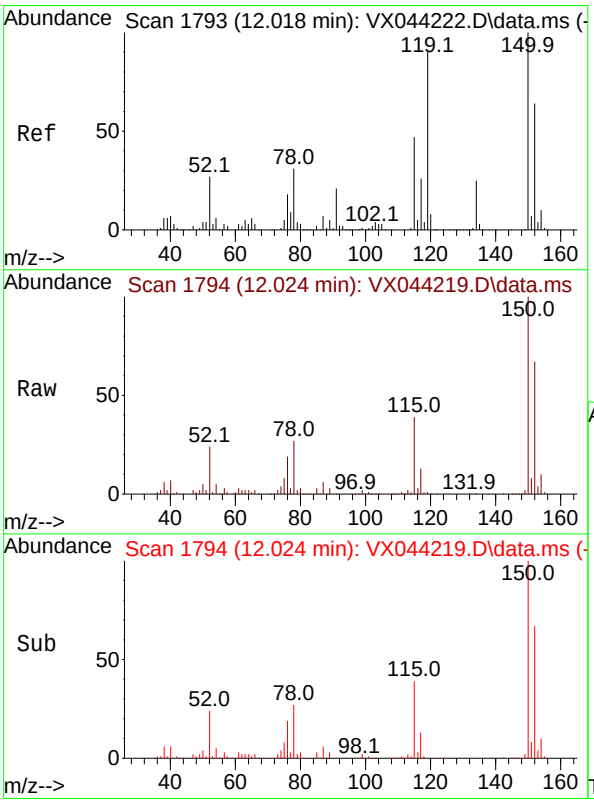
#71
Bromoform
Concen: 1.847 ug/l
RT: 10.805 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 584

Ion	Ratio	Lower	Upper
173	100		
175	66.1	23.8	71.4
254	0.0	0.0	0.0

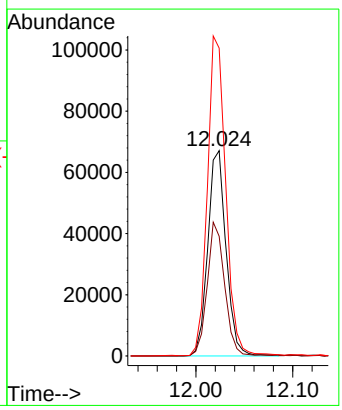


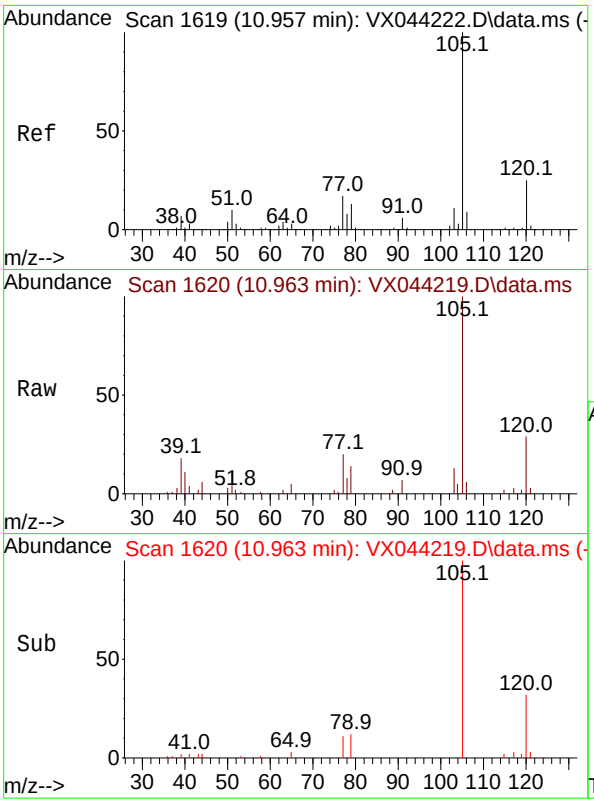


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:152 Resp: 88334

Ion	Ratio	Lower	Upper
152	100		
115	62.1	44.5	133.3
150	155.1	0.0	353.8



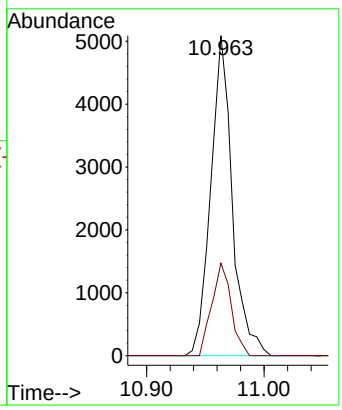


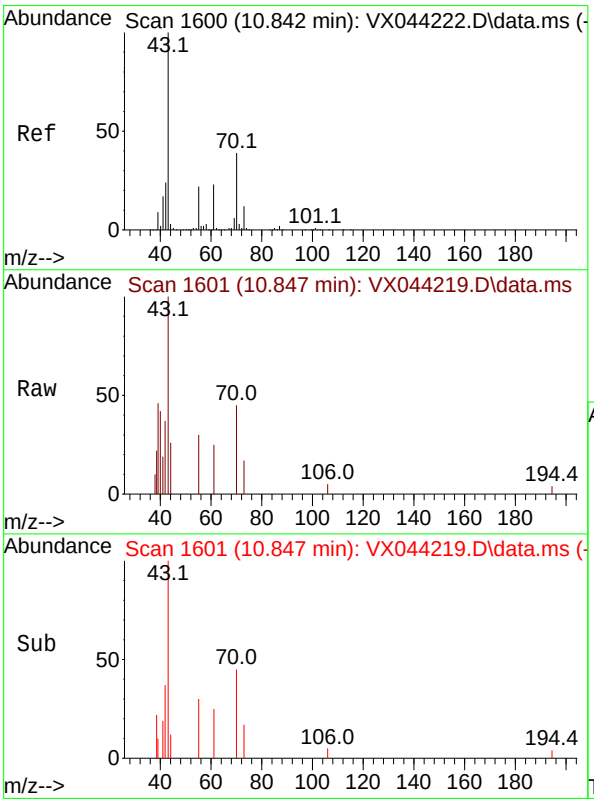
#73
Isopropylbenzene
Concen: 0.957 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 6474

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.1	39.3

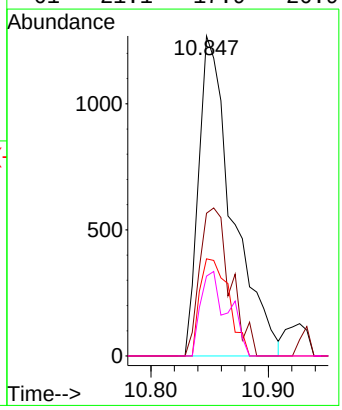


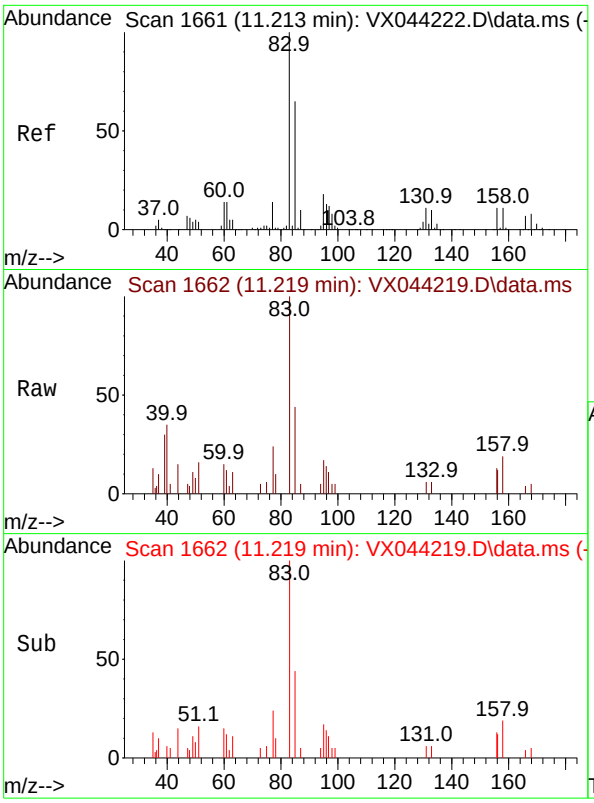


#74
N-amyl acetate
Concen: 0.811 ug/l
RT: 10.847 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 43 Resp: 2536

Ion	Ratio	Lower	Upper
43	100		
70	41.9	31.9	47.9
55	26.0	17.9	26.9
61	21.1	17.9	26.9



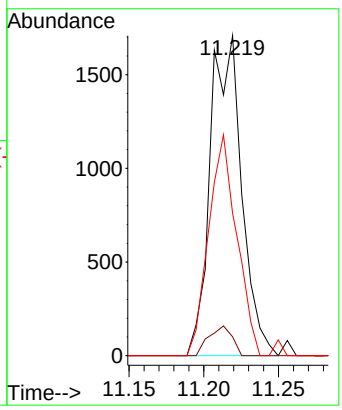


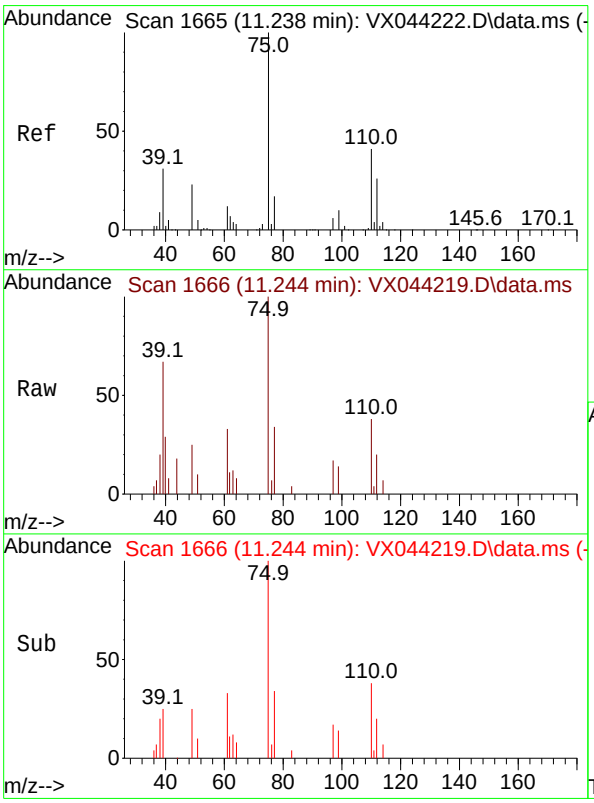
#75
1,1,2,2-Tetrachloroethane
Concen: 1.061 ug/l
RT: 11.219 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2491

Ion	Ratio	Lower	Upper
83	100		
131	6.9	5.1	15.4
85	61.8	32.5	97.4

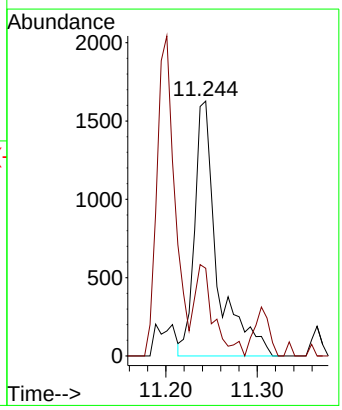


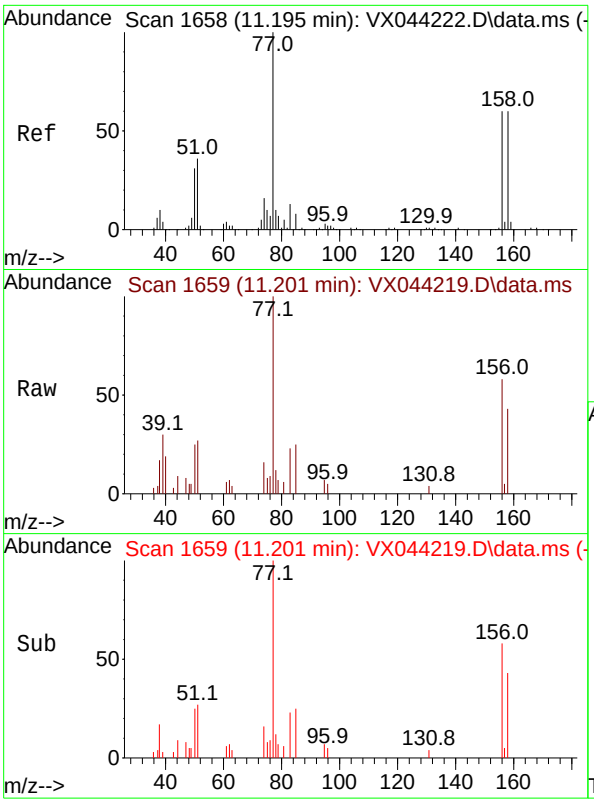


#76
1,2,3-Trichloropropane
Concen: 1.402 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 75 Resp: 2810

Ion	Ratio	Lower	Upper
75	100		
77	29.9	20.9	62.7



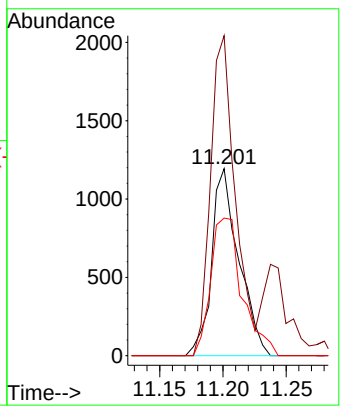


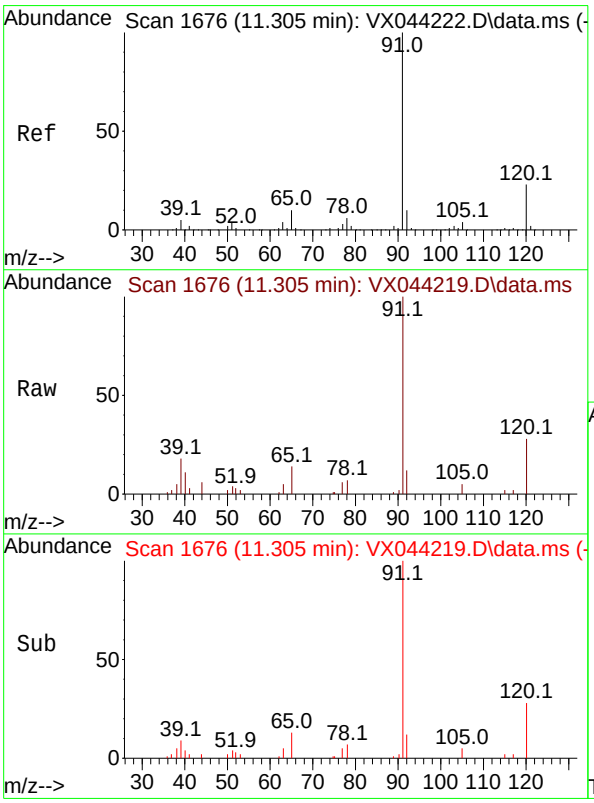
#77
Bromobenzene
Concen: 1.087 ug/l
RT: 11.201 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 1783

Ion	Ratio	Lower	Upper
156	100		
77	155.1	82.6	247.8
158	85.2	48.8	146.4

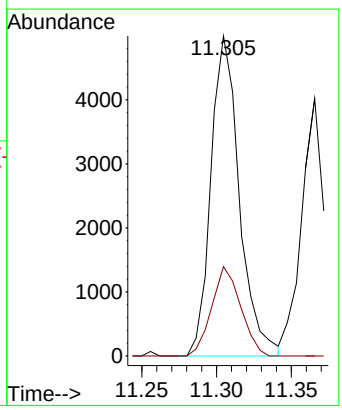


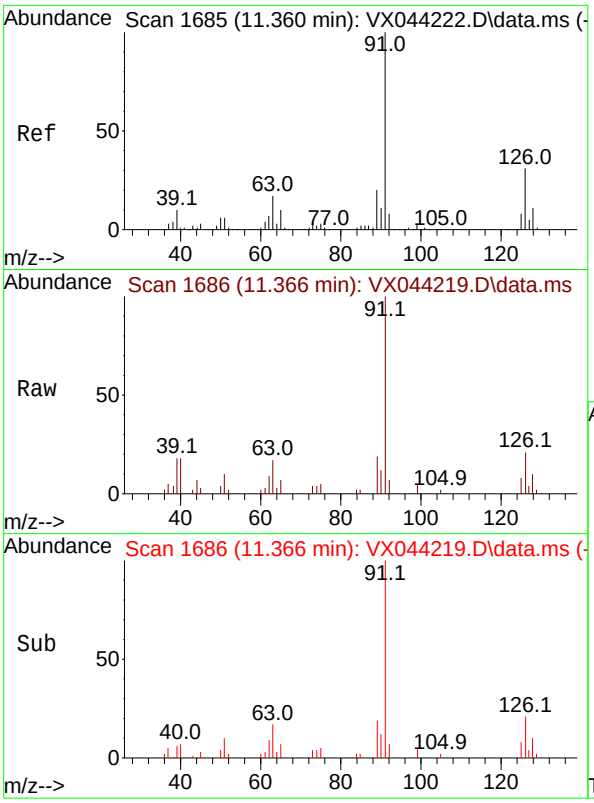


#78
n-propylbenzene
Concen: 0.884 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 91 Resp: 6606

Ion	Ratio	Lower	Upper
91	100		
120	28.4	11.0	33.0



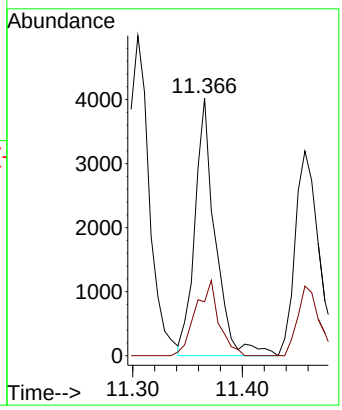


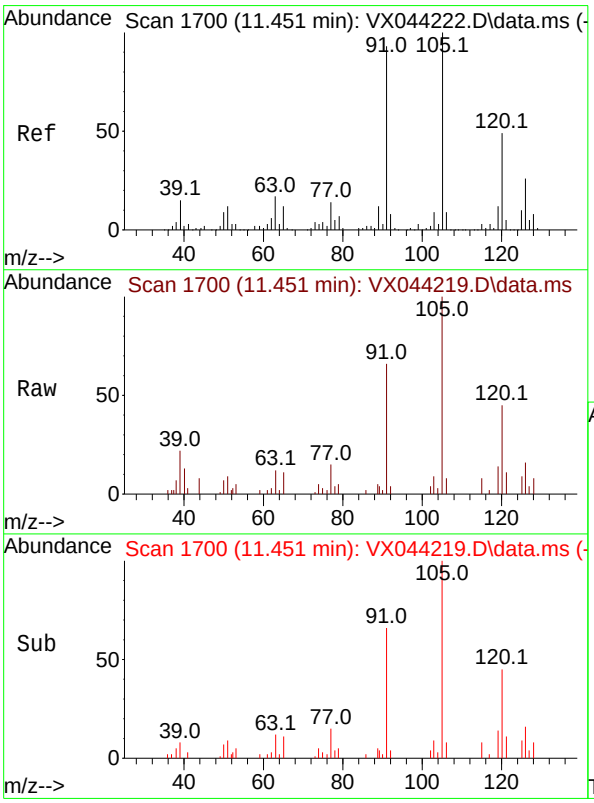
#79
2-Chlorotoluene
Concen: 1.075 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 5194

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.4	49.1

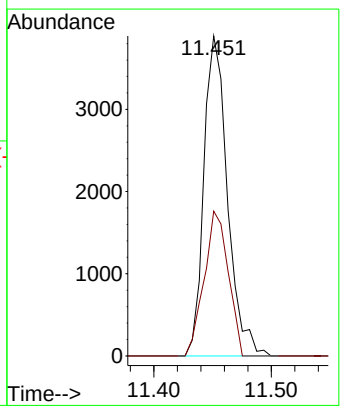


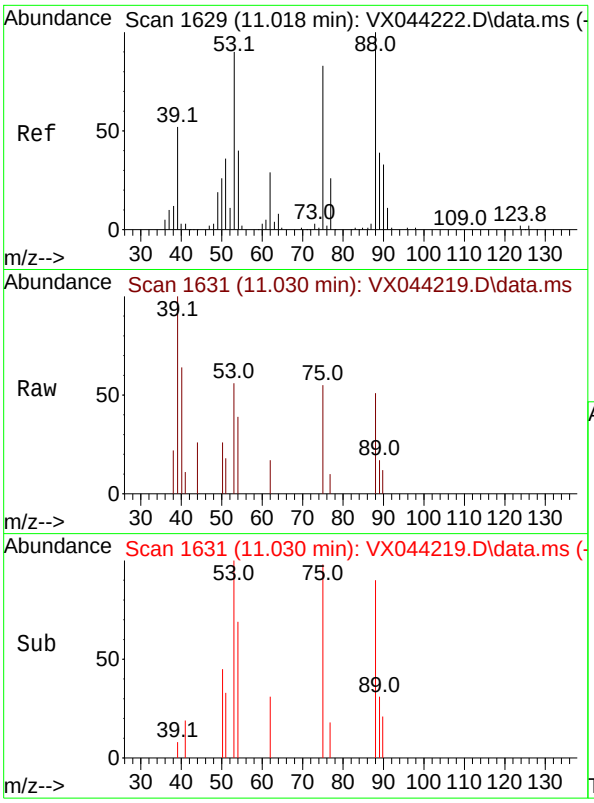


#80
1,3,5-Trimethylbenzene
Concen: 0.966 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:105 Resp: 5417

Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.8	71.4



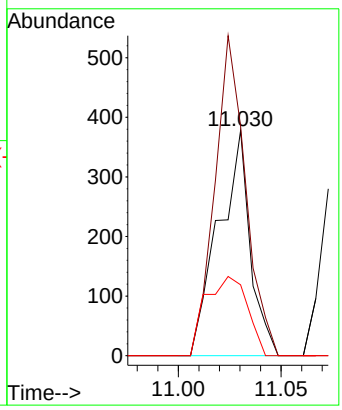


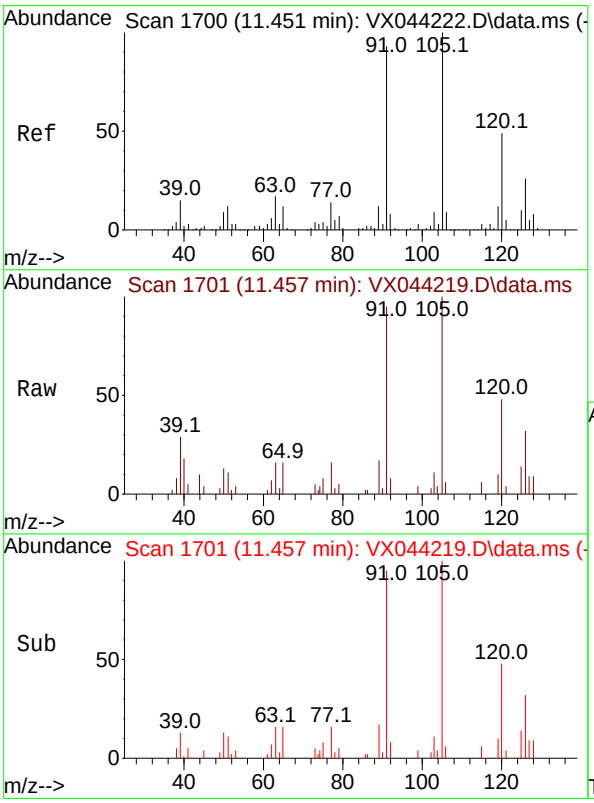
#81
trans-1,4-Dichloro-2-butene
Concen: 6.098 ug/l
RT: 11.030 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 402

Ion	Ratio	Lower	Upper
75	100		
53	139.1	93.6	140.4
89	46.8	37.3	55.9

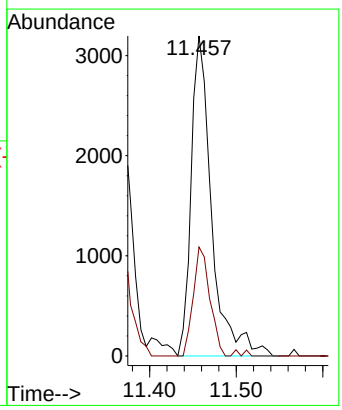


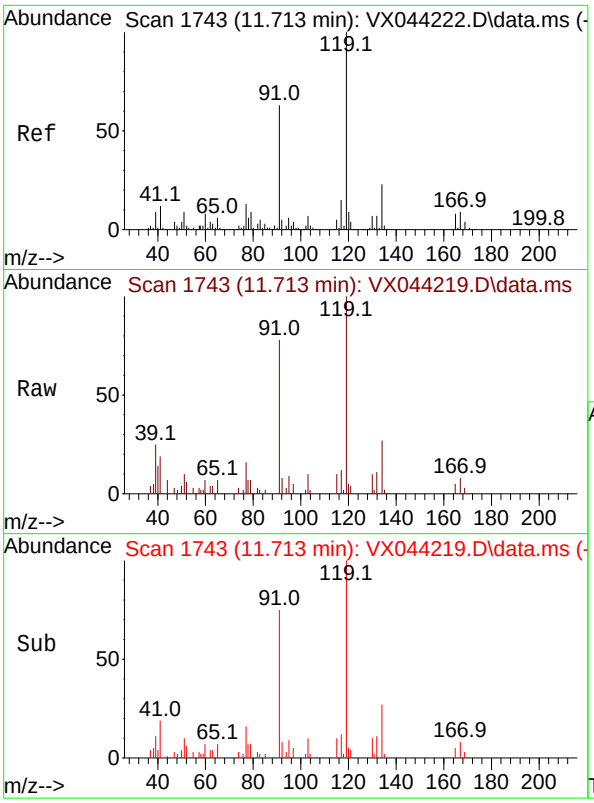


#82
4-Chlorotoluene
Concen: 0.978 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 91 Resp: 5236

Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.5	43.5



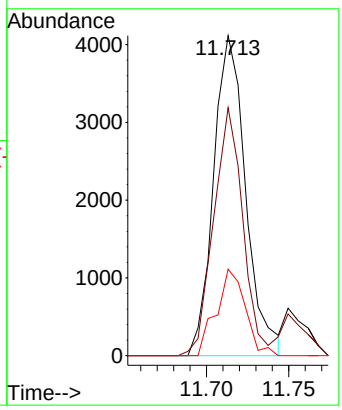


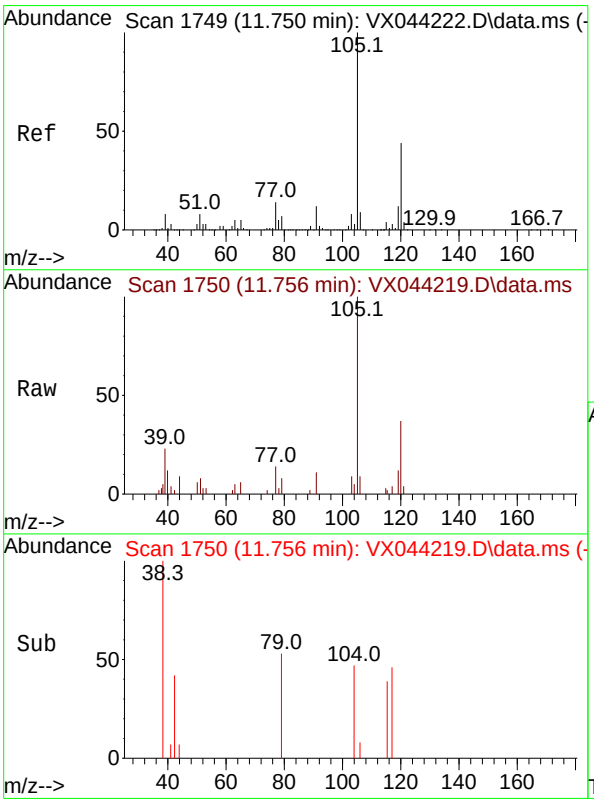
#83
tert-Butylbenzene
Concen: 1.011 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 5601

Ion	Ratio	Lower	Upper
119	100		
91	70.2	30.9	92.5
134	24.5	11.5	34.4

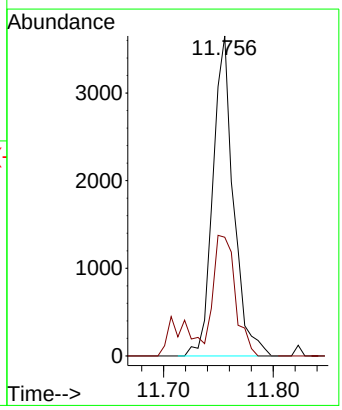


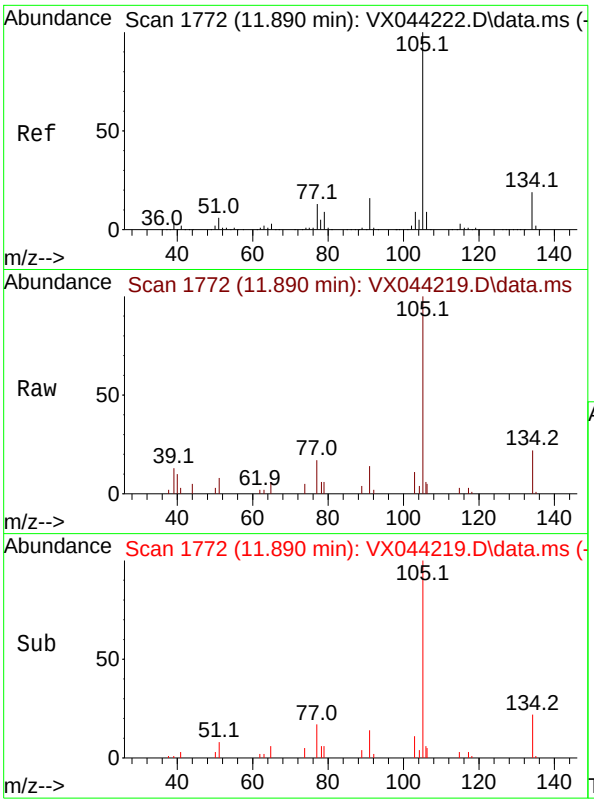


#84
1,2,4-Trimethylbenzene
Concen: 0.866 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:105 Resp: 4769

Ion	Ratio	Lower	Upper
105	100		
120	40.0	21.7	65.1



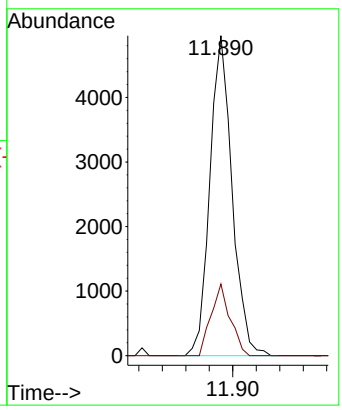


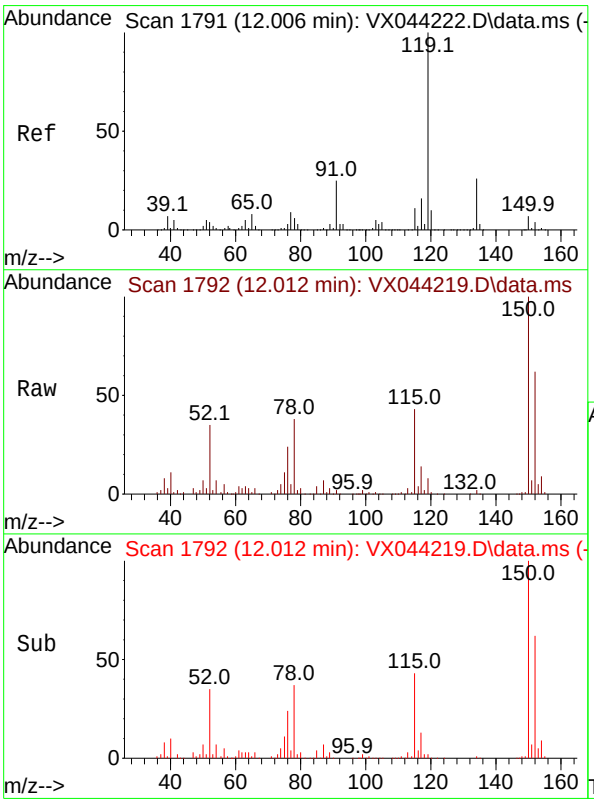
#85
sec-Butylbenzene
Concen: 0.966 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 6500

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

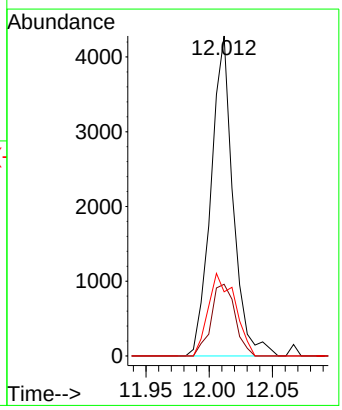


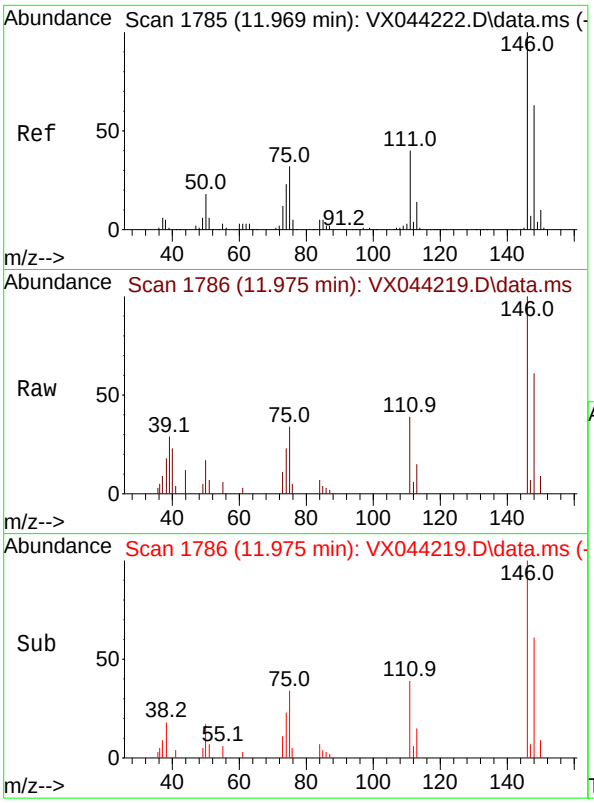


#86
p-Isopropyltoluene
Concen: 0.930 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:119 Resp: 5210

Ion	Ratio	Lower	Upper
119	100		
134	24.2	12.8	38.4
91	31.2	13.0	39.0



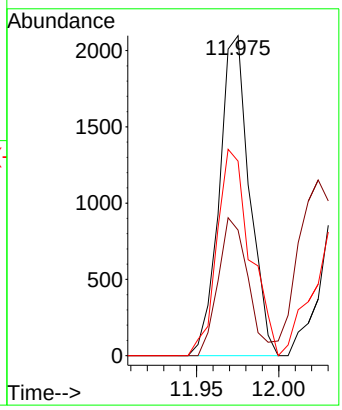


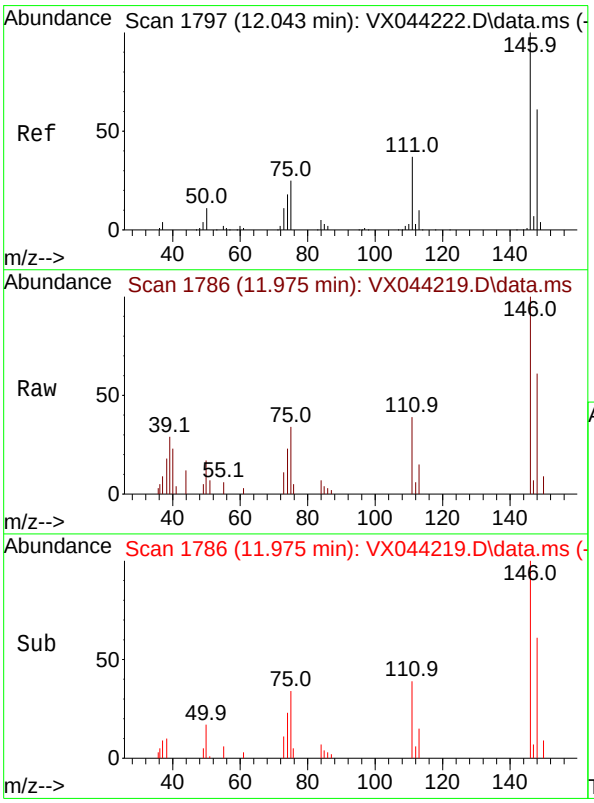
#87
1,3-Dichlorobenzene
Concen: 0.937 ug/l
RT: 11.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 2684

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.4	64.2
148	71.6	31.7	95.1

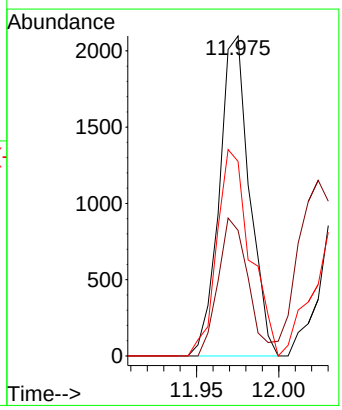


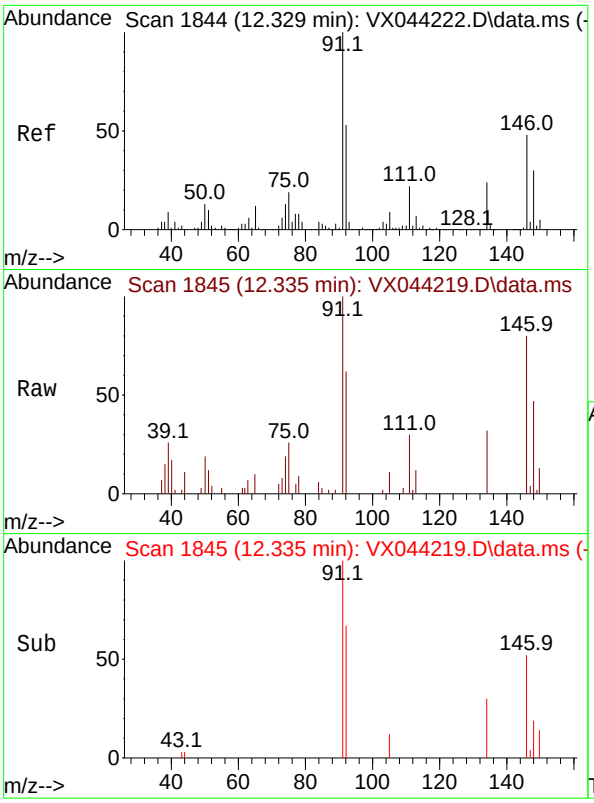


#88
1,4-Dichlorobenzene
Concen: 0.912 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. -0.067 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:146 Resp: 2684

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.0	63.0
148	71.6	32.3	96.8



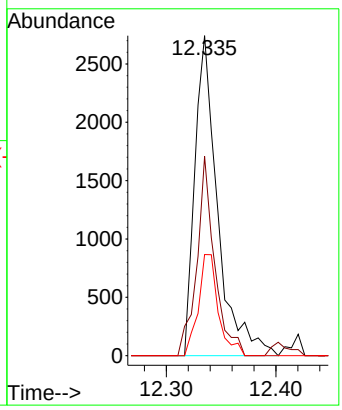


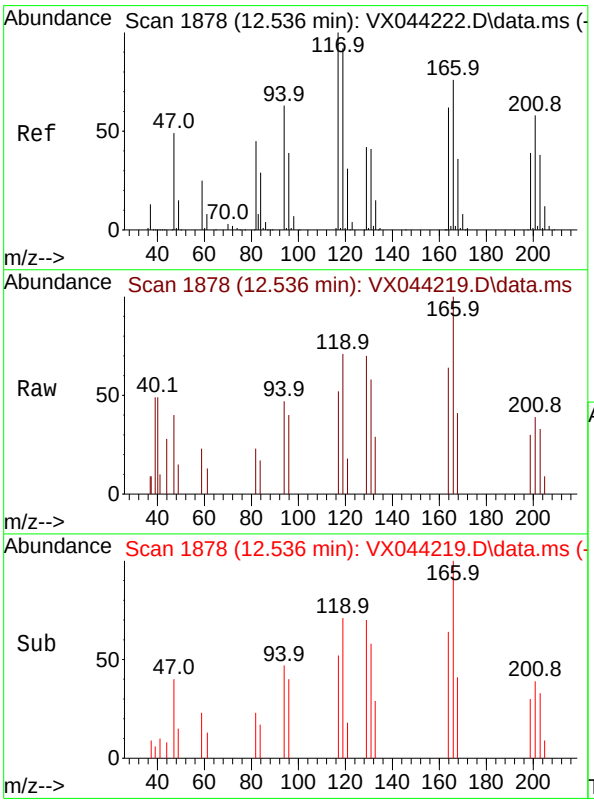
#89
n-Butylbenzene
Concen: 0.844 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 3973

Ion	Ratio	Lower	Upper
91	100		
92	48.5	26.6	79.7
134	27.8	12.6	37.8

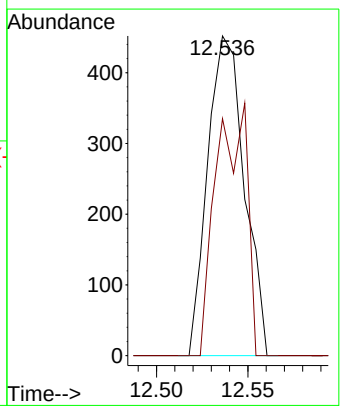


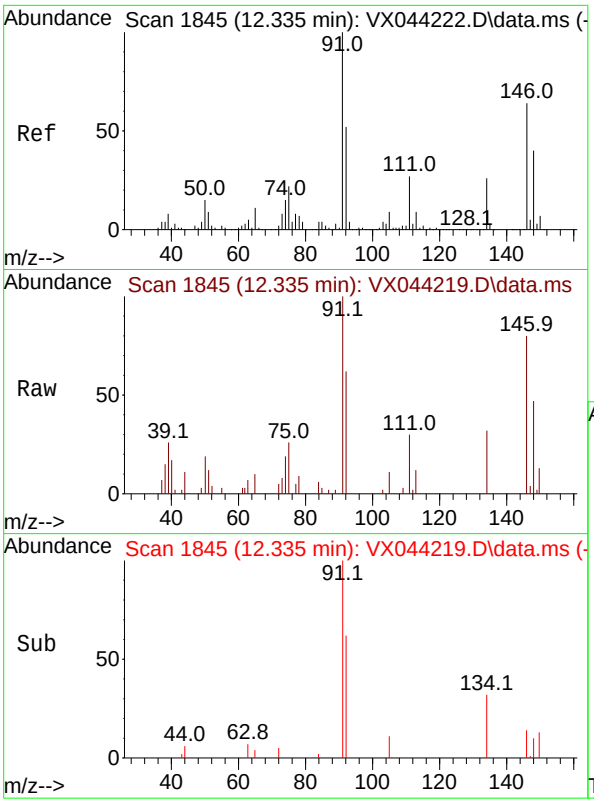


#90
Hexachloroethane
Concen: 0.773 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:117 Resp: 632

Ion	Ratio	Lower	Upper
117	100		
201	66.9	31.4	94.2



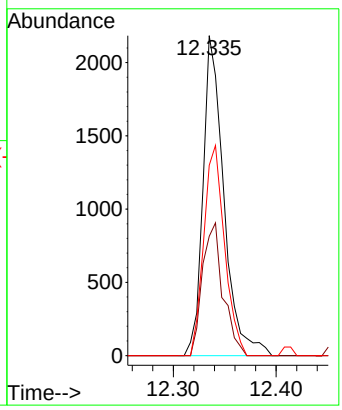


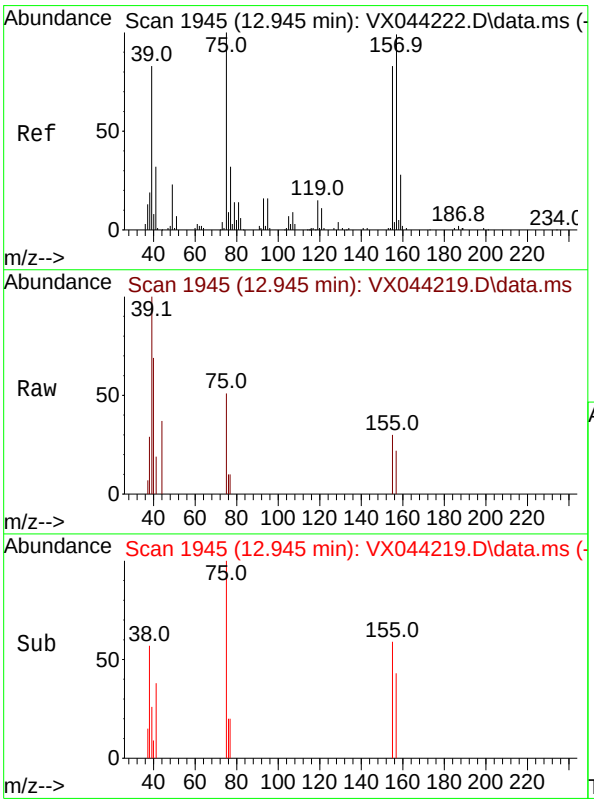
#91
1,2-Dichlorobenzene
Concen: 1.036 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 3082

Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.4	64.3
148	65.4	31.6	95.0

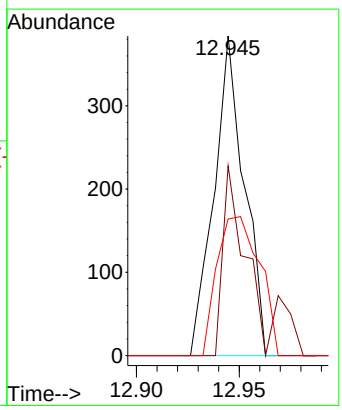


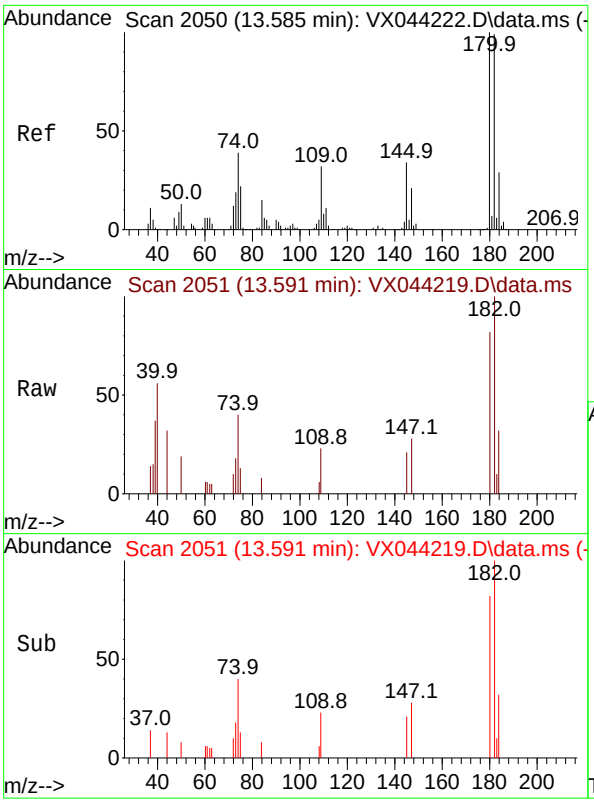


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.860 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion: 75 Resp: 392

Ion	Ratio	Lower	Upper
75	100		
155	54.6	38.1	114.3
157	61.5	47.2	141.6



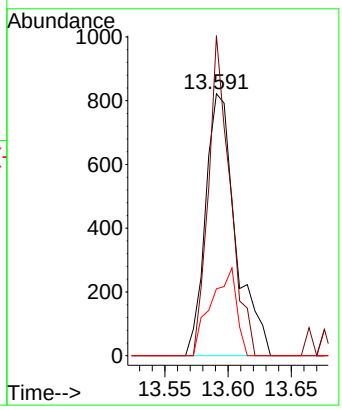


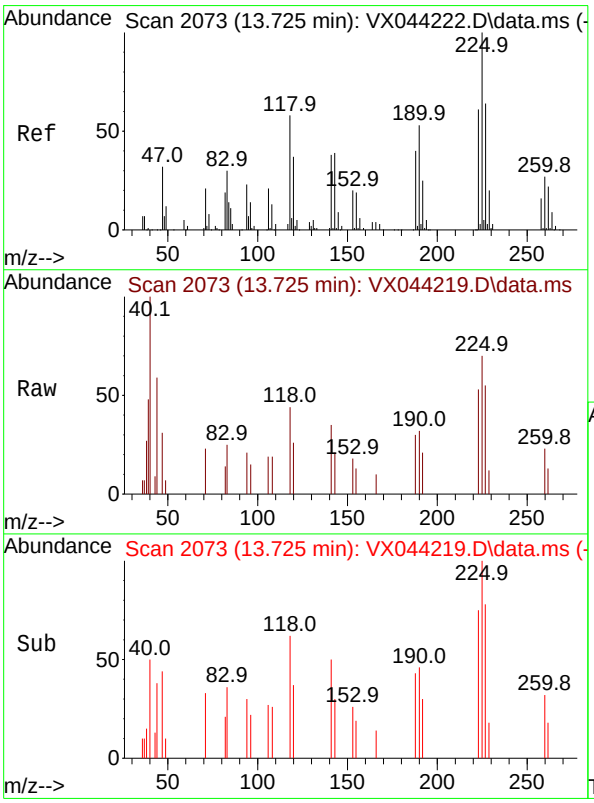
#93
1,2,4-Trichlorobenzene
Concen: 0.835 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 1361

Ion	Ratio	Lower	Upper
180	100		
182	88.0	48.0	144.2
145	28.4	16.6	49.7

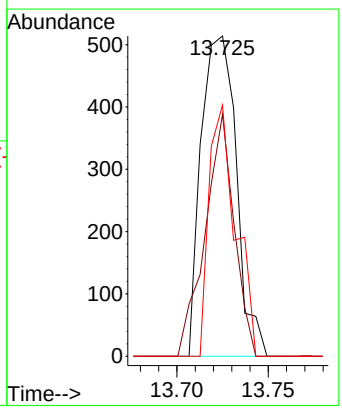


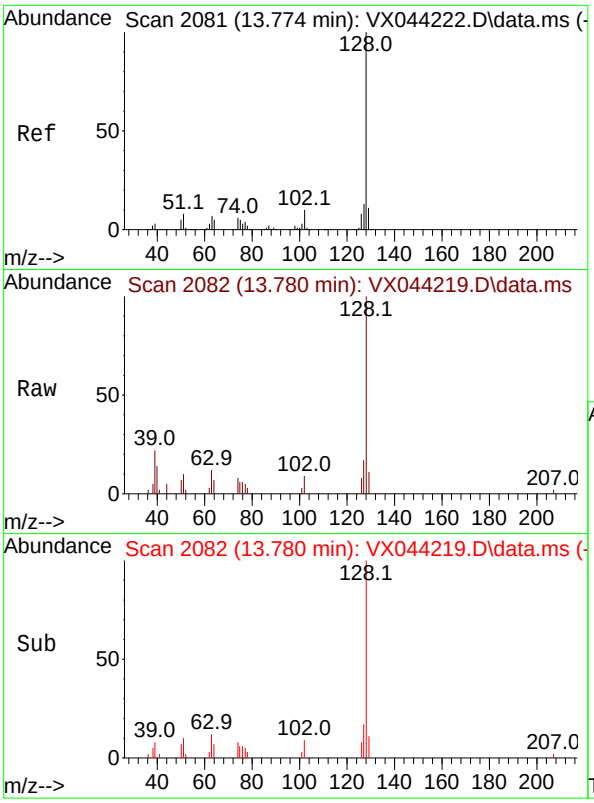


#94
Hexachlorobutadiene
Concen: 1.051 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:225 Resp: 689

Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.8	92.4
227	59.4	32.1	96.3



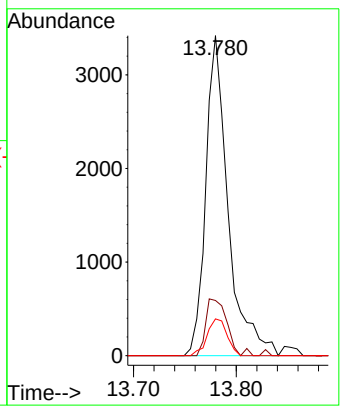


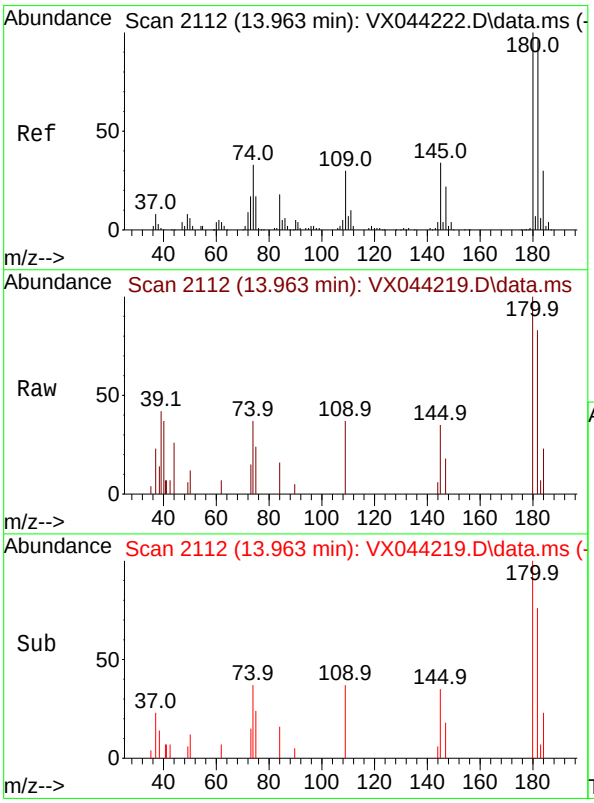
#95
Naphthalene
Concen: 0.812 ug/l
RT: 13.780 min Scan# 2(
Delta R.T. 0.006 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 5167

Ion	Ratio	Lower	Upper
128	100		
127	16.8	10.5	15.7#
129	10.2	9.0	13.4

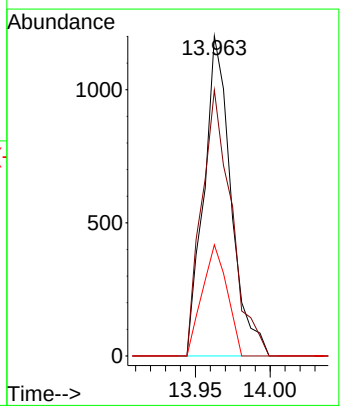




#96
1,2,3-Trichlorobenzene
Concen: 0.873 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044219.D
Acq: 11 Dec 2024 10:41

Tgt Ion:180 Resp: 1509

Ion	Ratio	Lower	Upper
180	100		
182	91.3	48.0	144.0
145	31.9	17.7	53.1



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044220.D
Acq On : 11 Dec 2024 11:27
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Dec 12 04:13:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.544	168	139609	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	258881	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217783	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95175	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.958	65	13043	5.328 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 10.660%#		
35) Dibromofluoromethane	5.385	113	9145	5.100 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.200%#		
50) Toluene-d8	8.647	98	29732	4.915 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 9.840%#		
62) 4-Bromofluorobenzene	11.079	95	10101	4.779 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 9.560%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.166	85	10452	4.842 ug/l	91
3) Chloromethane	1.294	50	10429	5.052 ug/l	95
4) Vinyl Chloride	1.374	62	11031	5.129 ug/l	98
5) Bromomethane	1.593	94	8237	5.399 ug/l	92
6) Chloroethane	1.660	64	7253	5.416 ug/l	96
7) Trichlorofluoromethane	1.868	101	21207	5.037 ug/l	91
8) Diethyl Ether	2.136	74	7199	5.009 ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	8766	5.145 ug/l	97
10) Methyl Iodide	2.447	142	11066	4.928 ug/l	97
11) Tert butyl alcohol	2.995	59	6094	17.693 ug/l	99
12) 1,1-Dichloroethene	2.306	96	7822	4.999 ug/l	95
13) Acrolein	2.239	56	12521	25.073 ug/l	100
14) Allyl chloride	2.654	41	12490	4.792 ug/l	94
15) Acrylonitrile	3.069	53	23276	24.357 ug/l	99
16) Acetone	2.392	43	24645	24.696 ug/l	93
17) Carbon Disulfide	2.495	76	12169	4.091 ug/l	99
18) Methyl Acetate	2.709	43	12412	4.824 ug/l	99
19) Methyl tert-butyl Ether	3.117	73	30546	5.002 ug/l	94
20) Methylene Chloride	2.782	84	9466	5.050 ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	7768	4.671 ug/l	97
22) Diisopropyl ether	3.764	45	29518	5.029 ug/l #	73
23) Vinyl Acetate	3.721	43	109670	22.983 ug/l	96
24) 1,1-Dichloroethane	3.605	63	16370	5.004 ug/l	96
25) 2-Butanone	4.574	43	34245	24.138 ug/l	97
26) 2,2-Dichloropropane	4.471	77	12514	4.708 ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	10292	4.873 ug/l	97
28) Bromochloromethane	4.897	49	8049	5.017 ug/l #	93
29) Tetrahydrofuran	5.019	42	24307	26.693 ug/l	94
30) Chloroform	5.093	83	18319	4.984 ug/l	93
31) Cyclohexane	5.464	56	12995	4.919 ug/l	89
32) 1,1,1-Trichloroethane	5.373	97	14231	4.664 ug/l	96
36) 1,1-Dichloropropene	5.690	75	11455	4.942 ug/l	94
37) Ethyl Acetate	4.727	43	13265	4.630 ug/l	97
38) Carbon Tetrachloride	5.666	117	11476	4.599 ug/l	96
39) Methylcyclohexane	7.373	83	13019	4.699 ug/l #	85
40) Benzene	6.037	78	35018	4.976 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044220.D
Acq On : 11 Dec 2024 11:27
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Dec 12 04:13:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.946	41	7585	4.986 ug/l	93
42) 1,2-Dichloroethane	6.092	62	14419	4.974 ug/l	99
43) Isopropyl Acetate	6.354	43	22098	4.935 ug/l	98
44) Trichloroethene	7.123	130	8405	4.790 ug/l	100
45) 1,2-Dichloropropane	7.434	63	8932	4.968 ug/l	94
46) Dibromomethane	7.586	93	6915	4.958 ug/l	99
47) Bromodichloromethane	7.824	83	10646	4.420 ug/l #	98
48) Methyl methacrylate	7.702	41	9586	4.410 ug/l	97
49) 1,4-Dioxane	7.671	88	2783	74.917 ug/l #	84
51) 4-Methyl-2-Pentanone	8.574	43	71285	24.759 ug/l	98
52) Toluene	8.720	92	21486	4.862 ug/l	99
53) t-1,3-Dichloropropene	8.982	75	9232	4.665 ug/l	100
54) cis-1,3-Dichloropropene	8.372	75	11404	4.348 ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	8590	4.893 ug/l	97
56) Ethyl methacrylate	9.122	69	11854	4.277 ug/l #	89
57) 1,3-Dichloropropane	9.311	76	15352	5.024 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	34738	24.852 ug/l	99
59) 2-Hexanone	9.433	43	50003	23.994 ug/l	96
60) Dibromochloromethane	9.519	129	6411	4.738 ug/l	98
61) 1,2-Dibromoethane	9.610	107	8330	4.662 ug/l	97
64) Tetrachloroethene	9.275	164	7710	5.334 ug/l #	87
65) Chlorobenzene	10.079	112	23268	4.986 ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	6647	4.432 ug/l	94
67) Ethyl Benzene	10.195	91	39326	4.877 ug/l	97
68) m/p-Xylenes	10.299	106	28758	9.720 ug/l	98
69) o-Xylene	10.640	106	14864	4.965 ug/l	97
70) Styrene	10.659	104	22191	4.624 ug/l	98
71) Bromoform	10.799	173	3775	5.118 ug/l #	98
73) Isopropylbenzene	10.963	105	37843	5.194 ug/l	98
74) N-amyl acetate	10.842	43	15418	4.579 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	12848	5.077 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	12901	5.974 ug/l	91
77) Bromobenzene	11.201	156	8892	5.033 ug/l	99
78) n-propylbenzene	11.305	91	40574	5.038 ug/l	96
79) 2-Chlorotoluene	11.366	91	27096	5.203 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	30665	5.075 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	2249	8.273 ug/l #	62
82) 4-Chlorotoluene	11.457	91	29039	5.035 ug/l	99
83) tert-Butylbenzene	11.713	119	29283	4.904 ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	30970	5.219 ug/l	99
85) sec-Butylbenzene	11.890	105	35670	4.921 ug/l	98
86) p-Isopropyltoluene	12.006	119	29132	4.828 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	15553	5.039 ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	15609	4.920 ug/l	95
89) n-Butylbenzene	12.335	91	22719	4.478 ug/l	98
90) Hexachloroethane	12.536	117	3765	4.275 ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	15858	4.949 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2154	4.385 ug/l	81
93) 1,2,4-Trichlorobenzene	13.591	180	7867	4.478 ug/l	96
94) Hexachlorobutadiene	13.725	225	3321	4.700 ug/l	93
95) Naphthalene	13.780	128	31842	4.643 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	8422	4.520 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044220.D
Acq On : 11 Dec 2024 11:27
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Dec 12 04:13:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

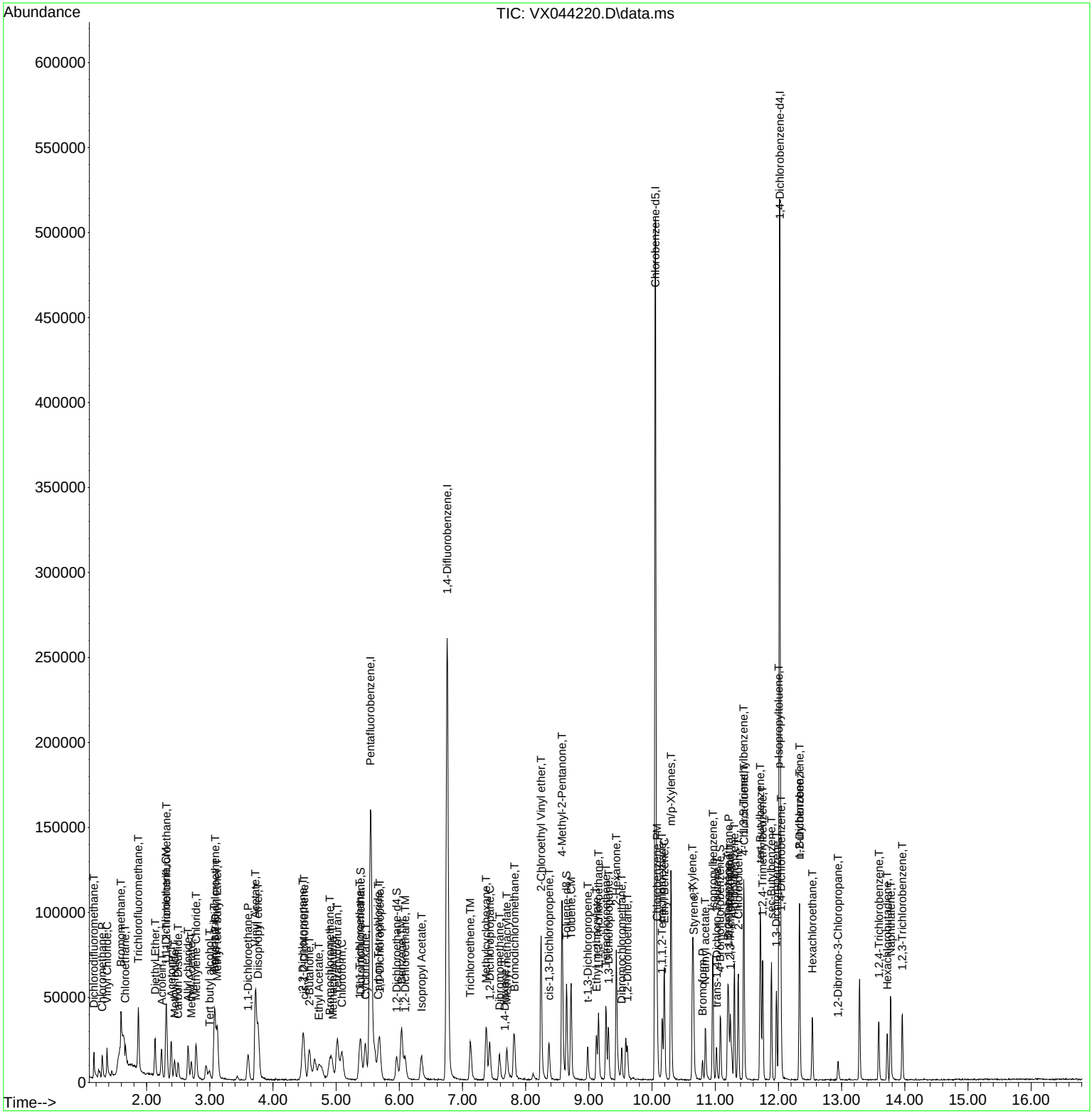
(#) = qualifier out of range (m) = manual integration (+) = signals summed

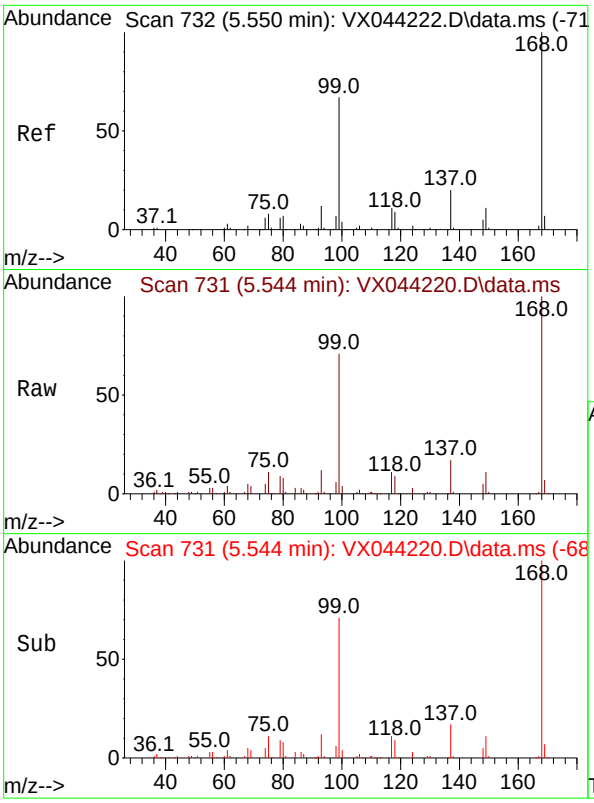
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044220.D
Acq On : 11 Dec 2024 11:27
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Dec 12 04:13:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration



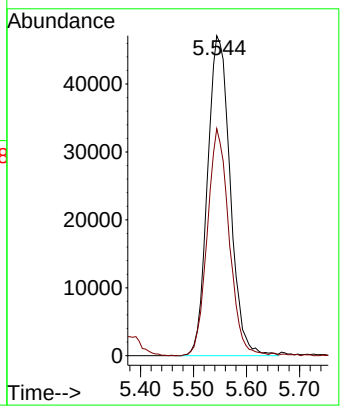


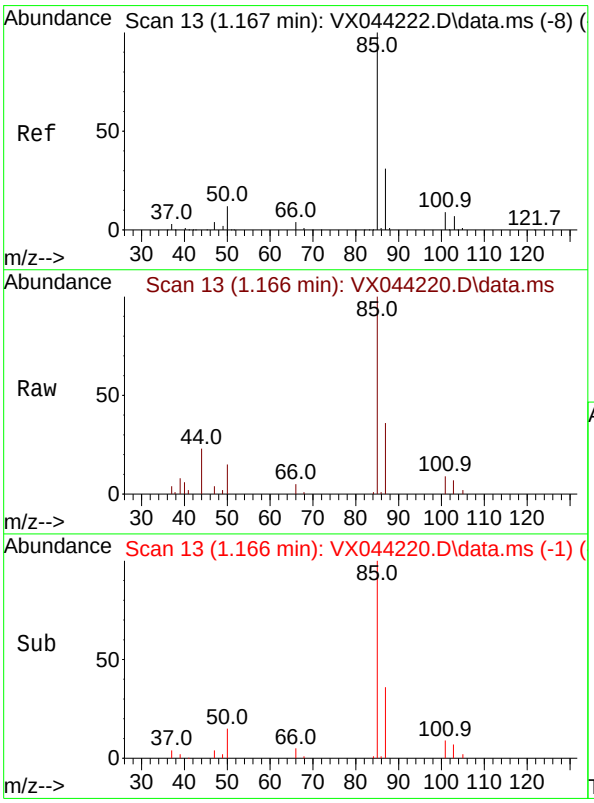
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 139609

Ion	Ratio	Lower	Upper
168	100		
99	71.0	53.4	80.0

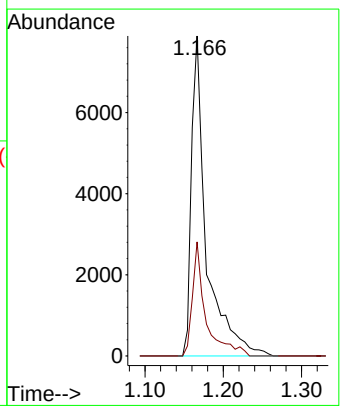


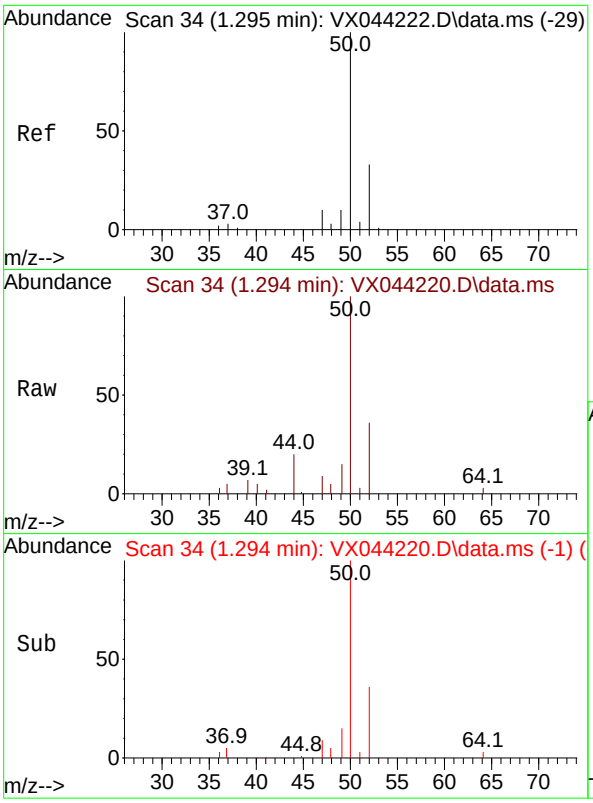


#2
Dichlorodifluoromethane
Concen: 4.842 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 85 Resp: 10452

Ion	Ratio	Lower	Upper
85	100		
87	35.6	15.4	46.4



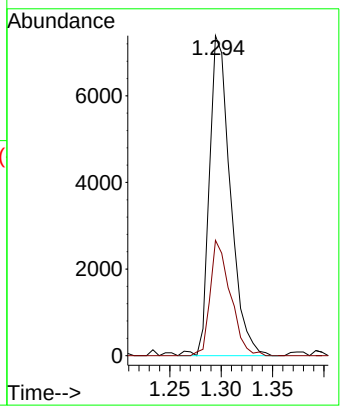


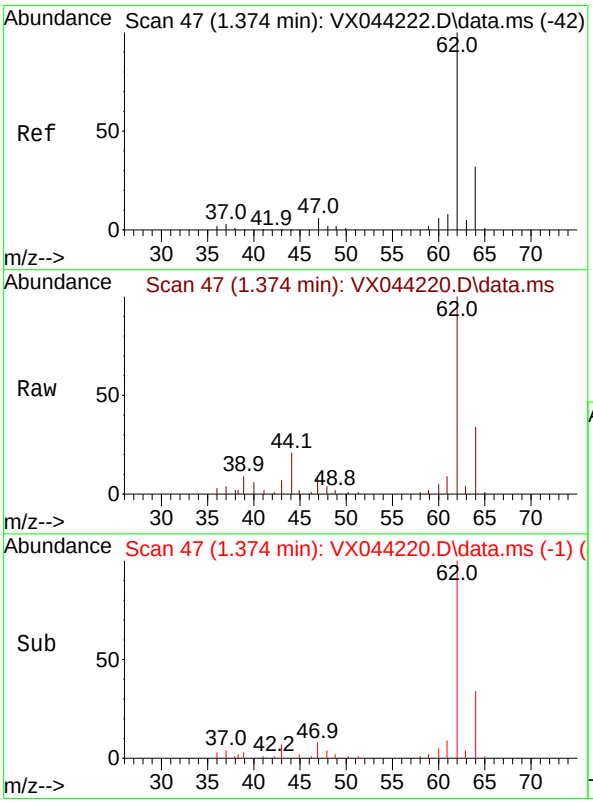
#3
Chloromethane
Concen: 5.052 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 10429

Ion	Ratio	Lower	Upper
50	100		
52	36.0	26.5	39.7

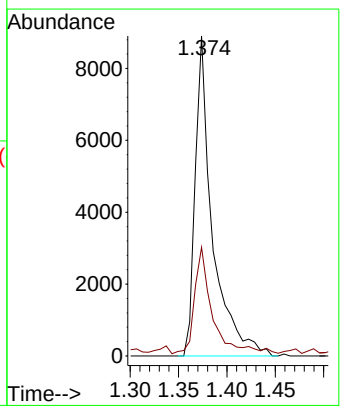


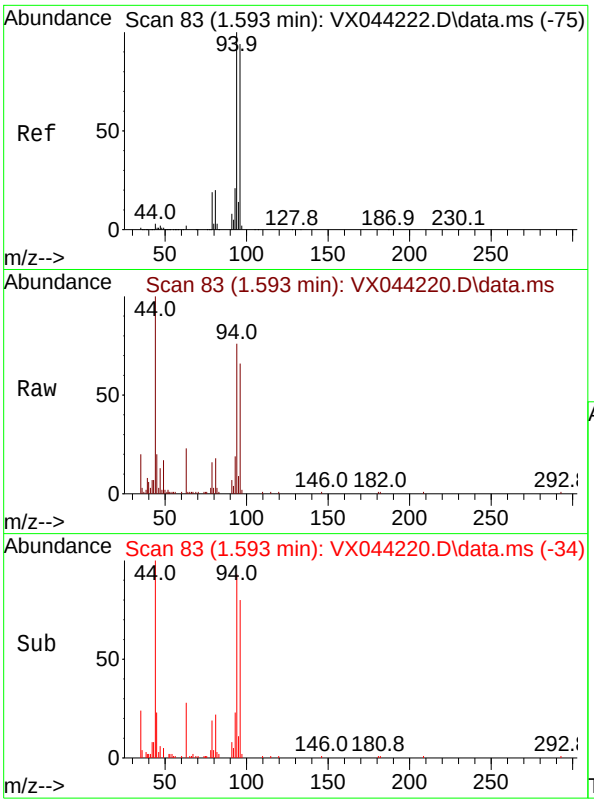


#4
Vinyl Chloride
Concen: 5.129 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 62 Resp: 11031

Ion	Ratio	Lower	Upper
62	100		
64	33.1	25.7	38.5



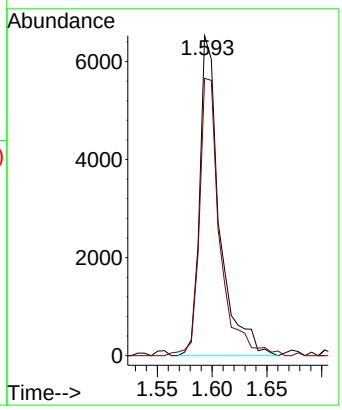


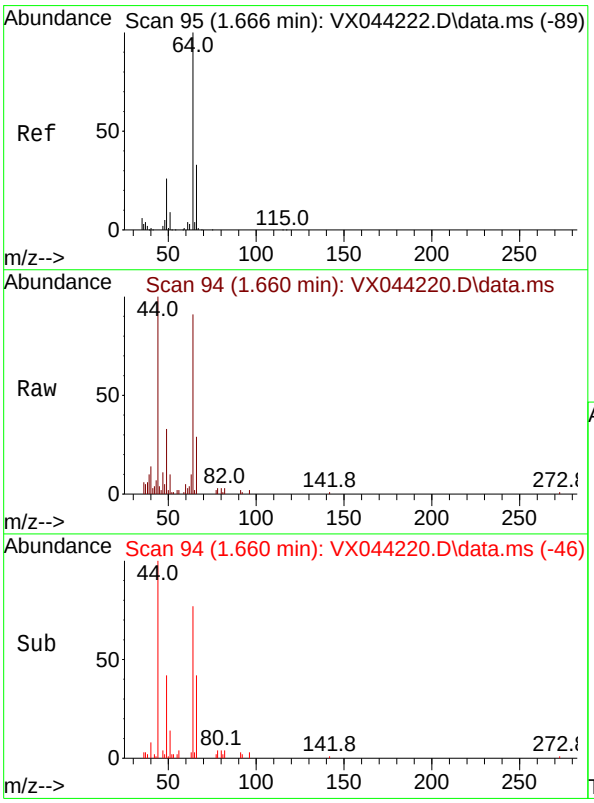
#5
Bromomethane
Concen: 5.399 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 8237

Ion	Ratio	Lower	Upper
94	100		
96	85.5	74.9	112.3

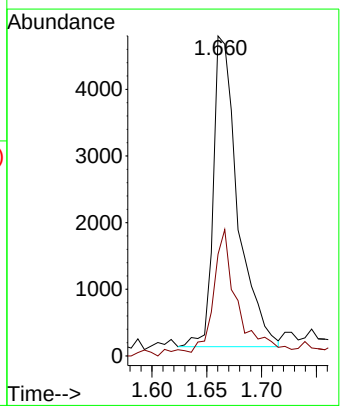


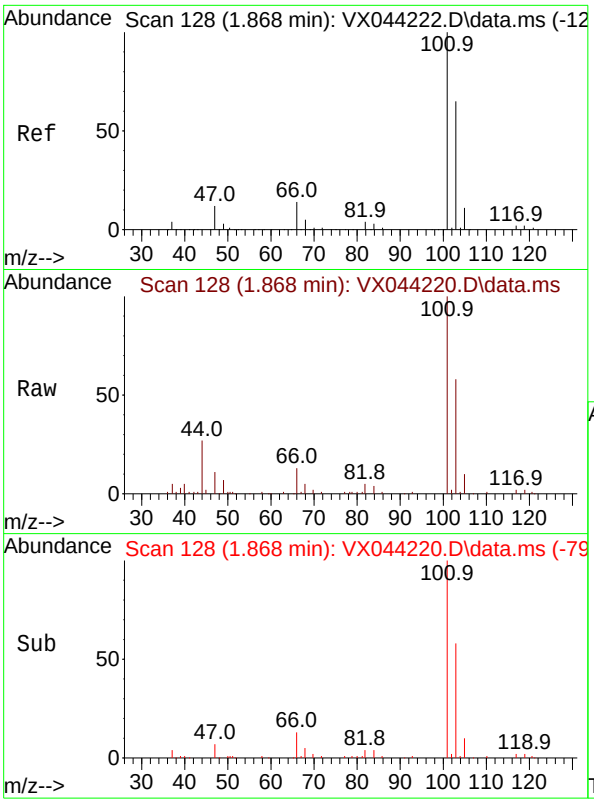


#6
Chloroethane
Concen: 5.416 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 64 Resp: 7253

Ion	Ratio	Lower	Upper
64	100		
66	30.7	26.6	39.8



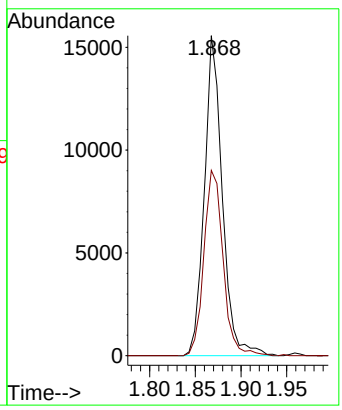


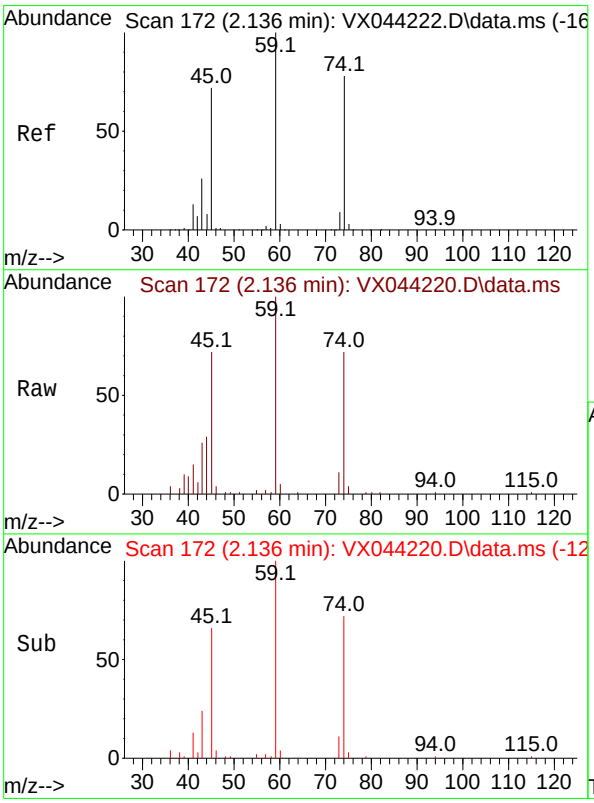
#7
Trichlorofluoromethane
Concen: 5.037 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 21207

Ion	Ratio	Lower	Upper
101	100		
103	57.9	51.8	77.8

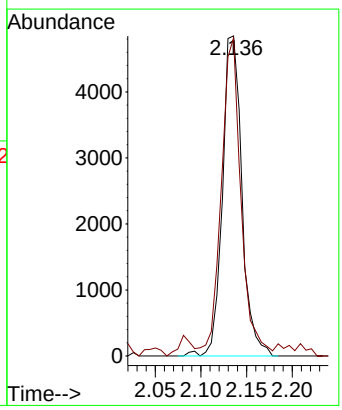


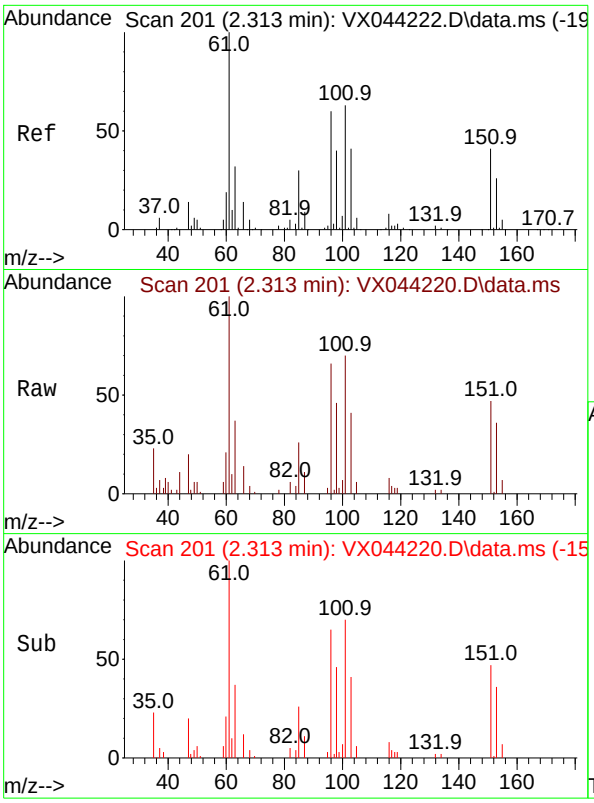


#8
Diethyl Ether
Concen: 5.009 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 74 Resp: 7199

Ion	Ratio	Lower	Upper
74	100		
45	97.0	48.4	145.0



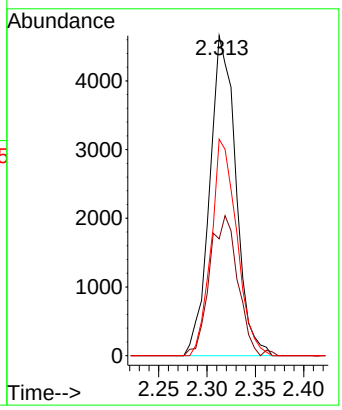


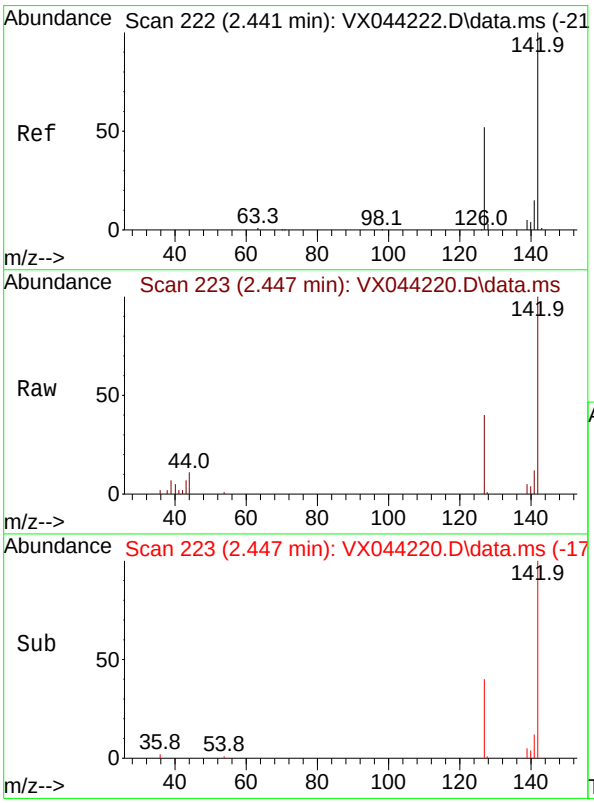
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.145 ug/l
RT: 2.313 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 8766

Ion	Ratio	Lower	Upper
101	100		
85	46.7	38.5	57.7
151	66.2	55.8	83.6

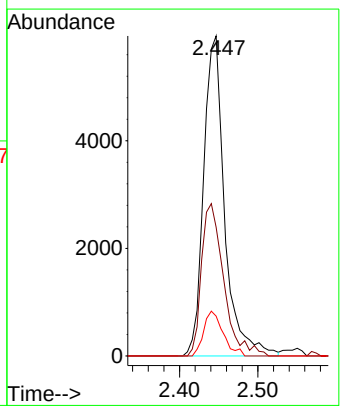


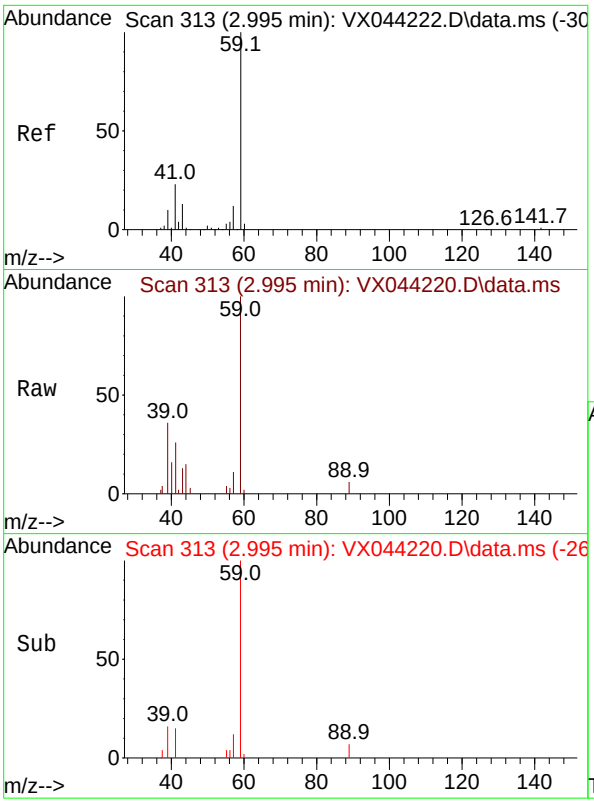


#10
Methyl Iodide
Concen: 4.928 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:142 Resp: 11066

Ion	Ratio	Lower	Upper
142	100		
127	50.4	41.8	62.8
141	12.9	11.5	17.3



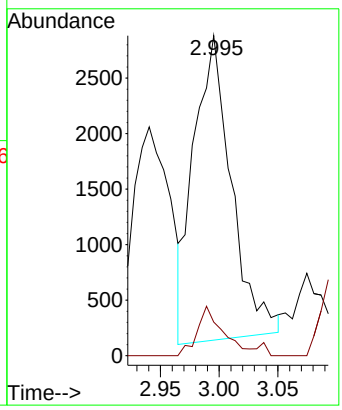


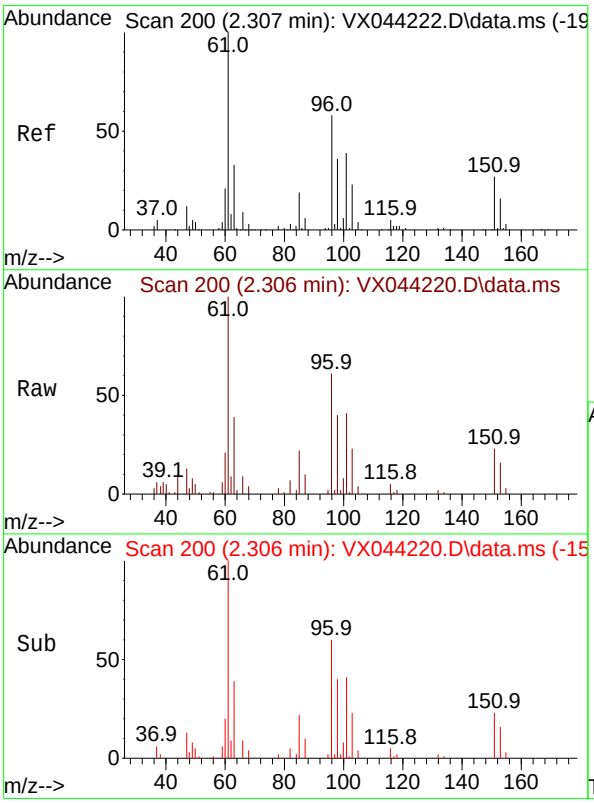
#11
Tert butyl alcohol
Concen: 17.693 ug/l
RT: 2.995 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 6094

Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.8	13.2

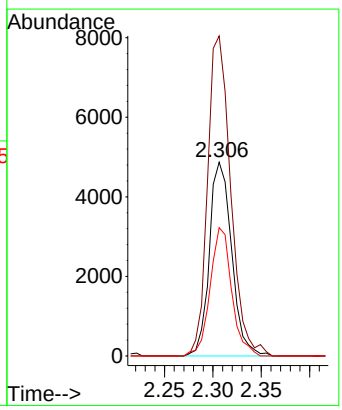


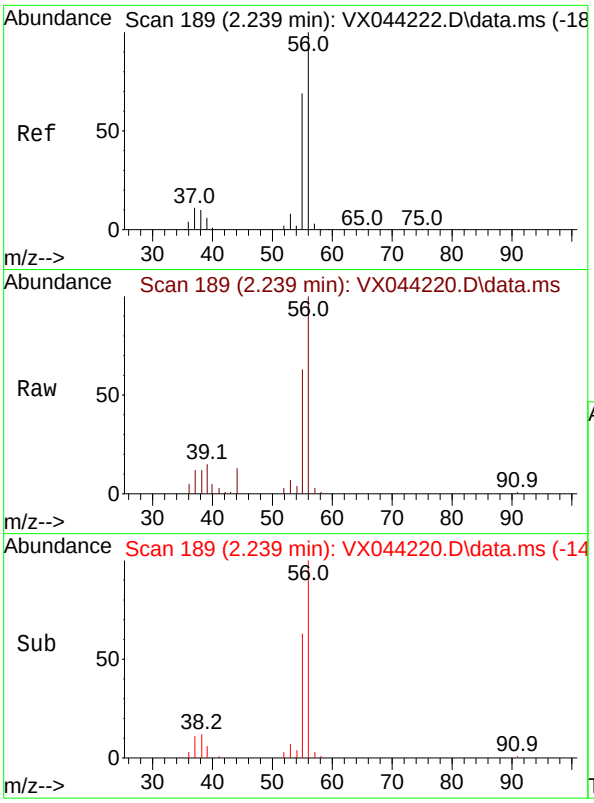


#12
1,1-Dichloroethene
Concen: 4.999 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 96 Resp: 7822

Ion	Ratio	Lower	Upper
96	100		
61	165.2	138.0	207.0
98	66.2	50.0	75.0



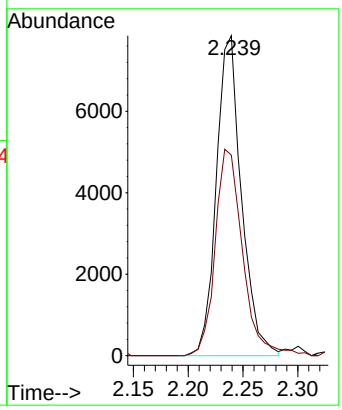


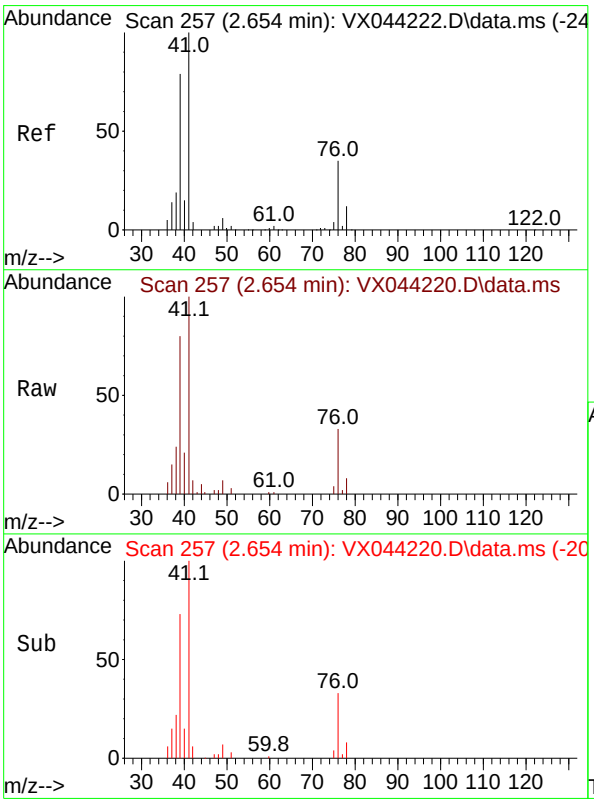
#13
Acrolein
Concen: 25.073 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 12521

Ion	Ratio	Lower	Upper
56	100		
55	70.6	56.6	84.8

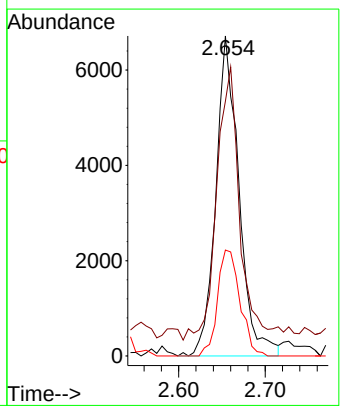


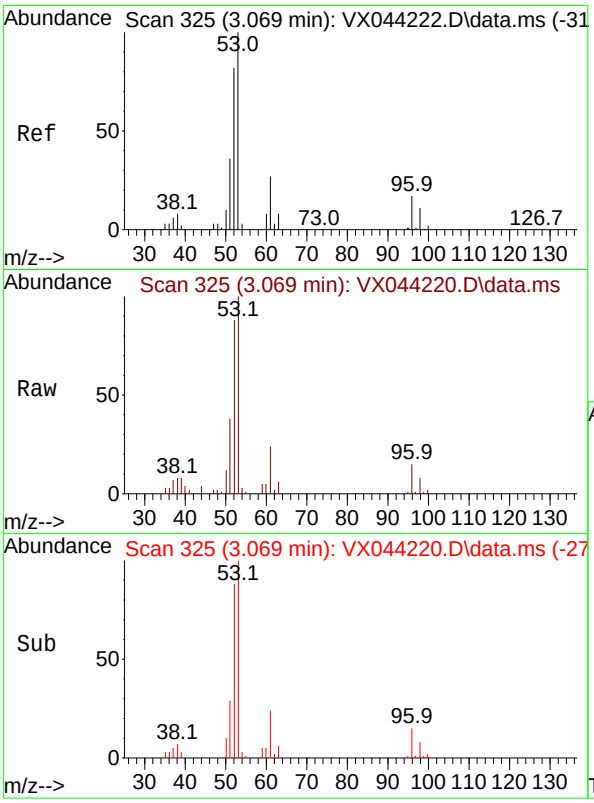


#14
Allyl chloride
Concen: 4.792 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 41 Resp: 12490

Ion	Ratio	Lower	Upper
41	100		
39	84.0	61.9	92.9
76	32.1	27.4	41.2



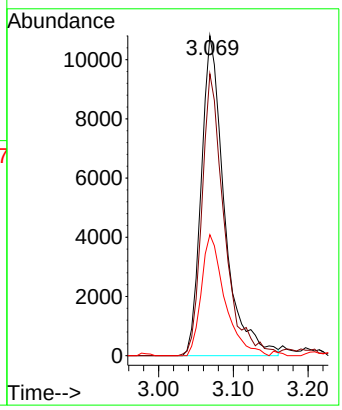


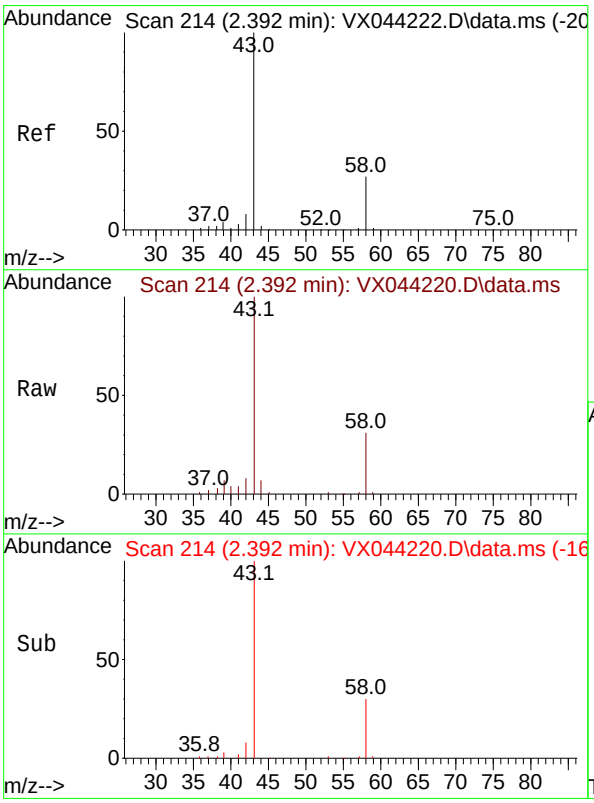
#15
Acrylonitrile
Concen: 24.357 ug/l
RT: 3.069 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 23276

Ion	Ratio	Lower	Upper
53	100		
52	85.0	67.4	101.0
51	38.2	30.3	45.5

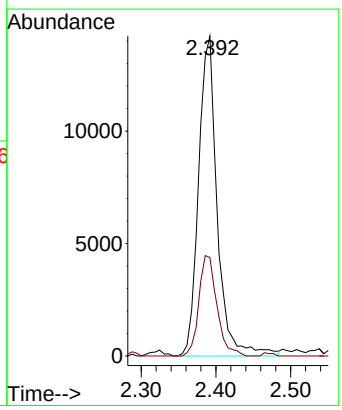


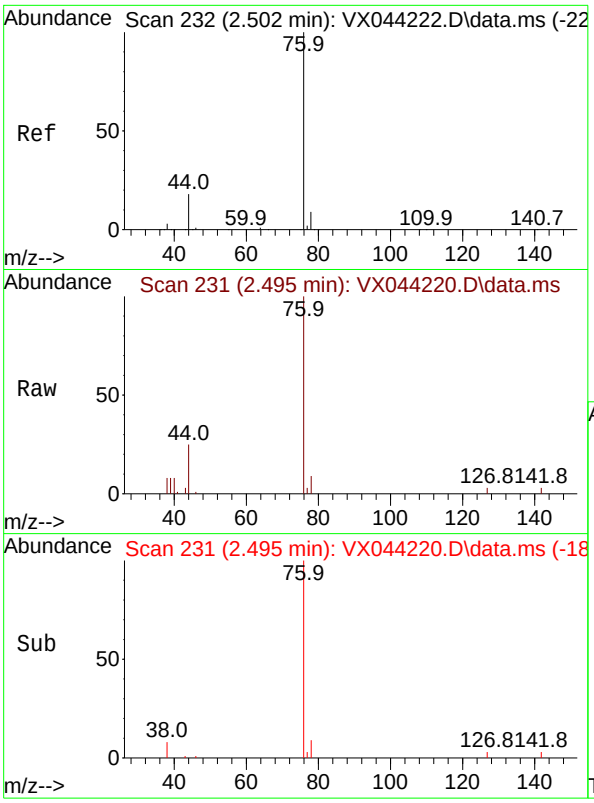


#16
Acetone
Concen: 24.696 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 43 Resp: 24645

Ion	Ratio	Lower	Upper
43	100		
58	30.8	21.6	32.4



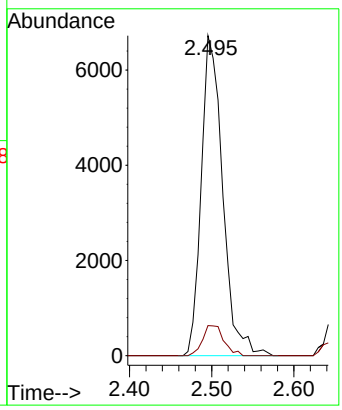


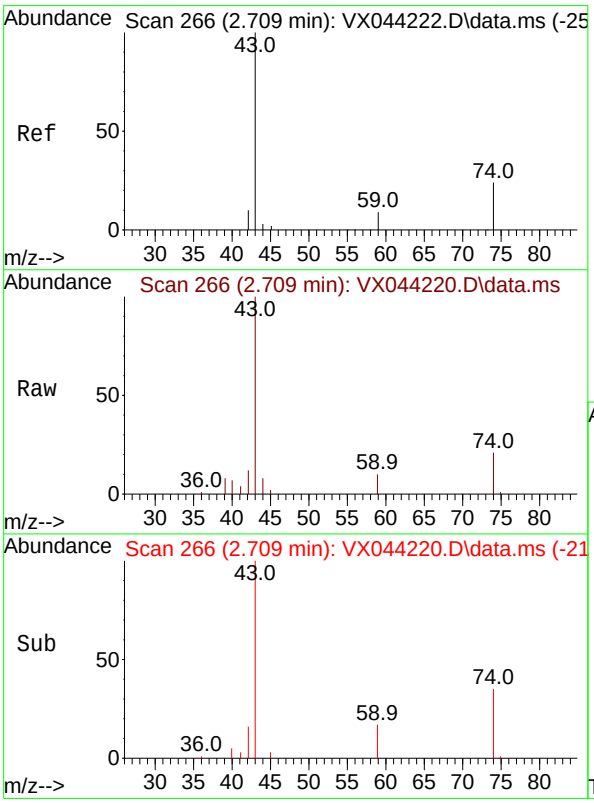
#17
Carbon Disulfide
Concen: 4.091 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 12169

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

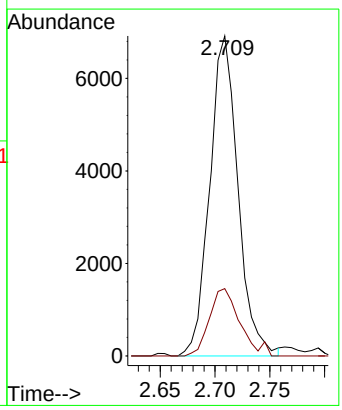


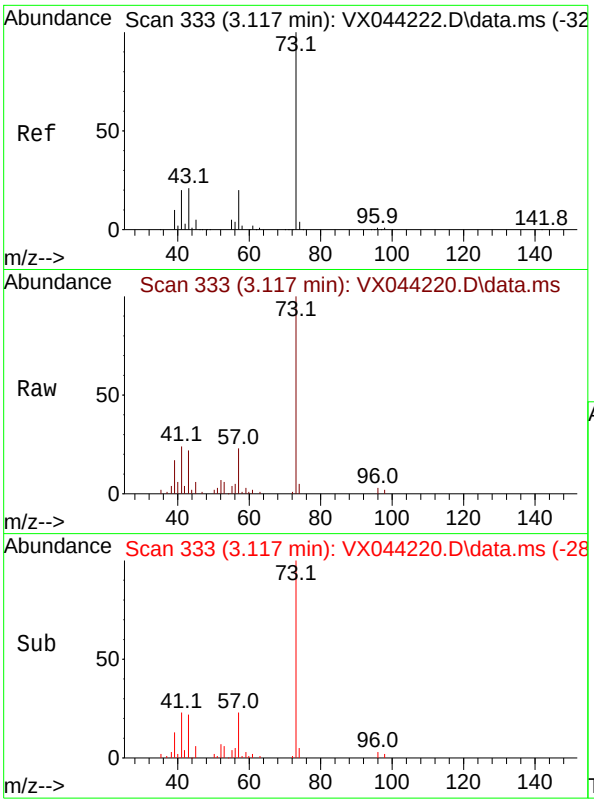


#18
Methyl Acetate
Concen: 4.824 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 43 Resp: 12412

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.7	26.5



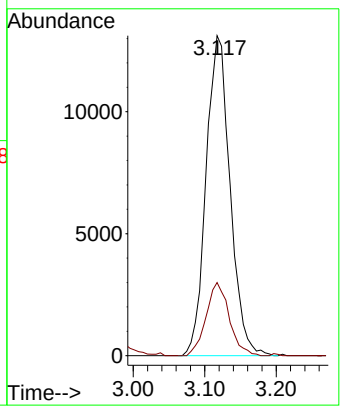


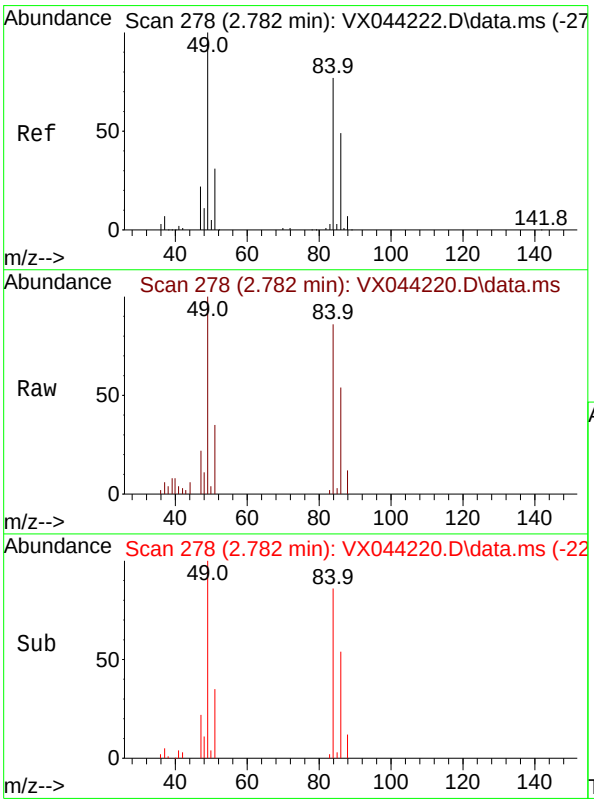
#19
Methyl tert-butyl Ether
Concen: 5.002 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 30546

Ion	Ratio	Lower	Upper
73	100		
57	22.9	16.2	24.4

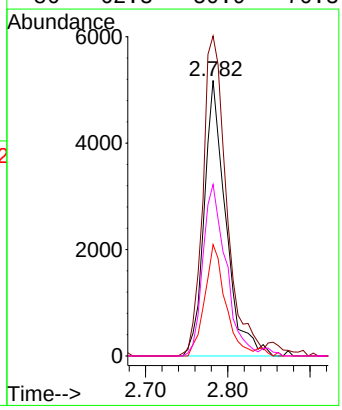


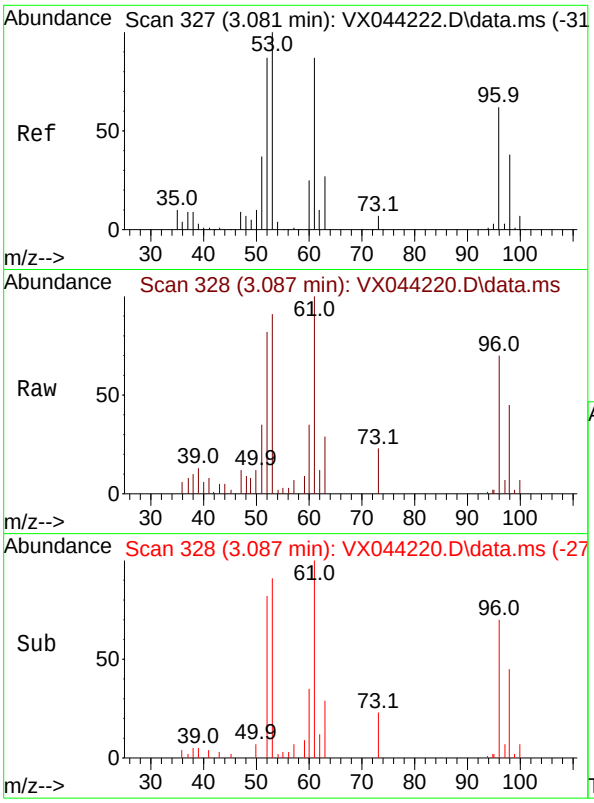


#20
Methylene Chloride
Concen: 5.050 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 84 Resp: 9466

Ion	Ratio	Lower	Upper
84	100		
49	116.2	104.2	156.4
51	40.4	32.2	48.4
86	62.3	50.9	76.3



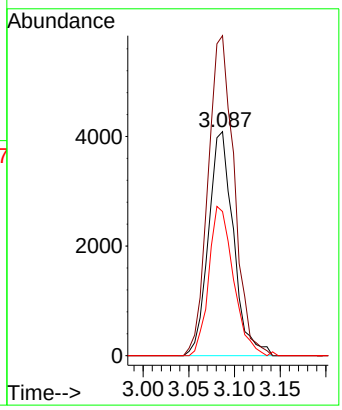


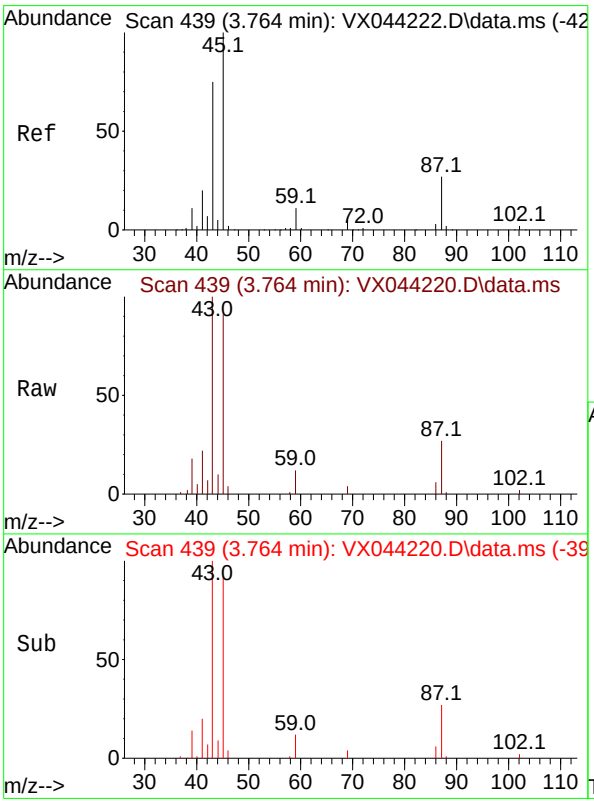
#21
trans-1,2-Dichloroethene
Concen: 4.671 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 7768

Ion	Ratio	Lower	Upper
96	100		
61	142.9	112.0	168.0
98	64.4	48.8	73.2

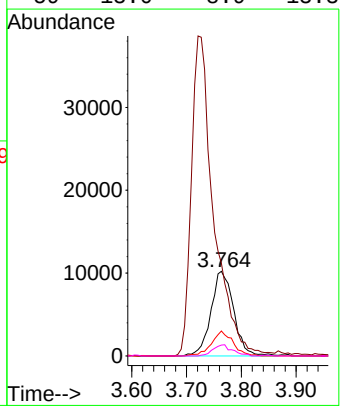


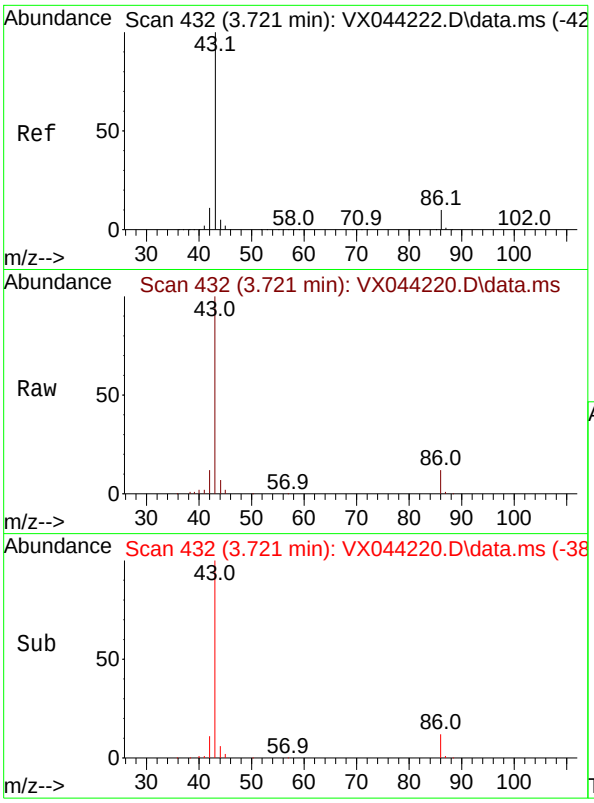


#22
Diisopropyl ether
Concen: 5.029 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 45 Resp: 29518

Ion	Ratio	Lower	Upper
45	100		
43	107.7	60.2	90.2#
87	29.5	21.2	31.8
59	13.0	8.9	13.3



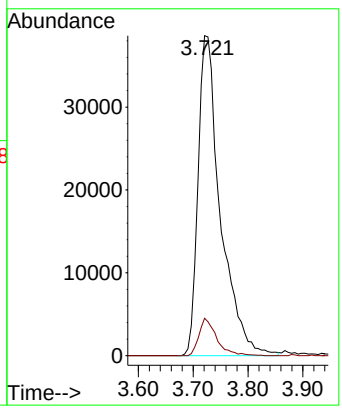


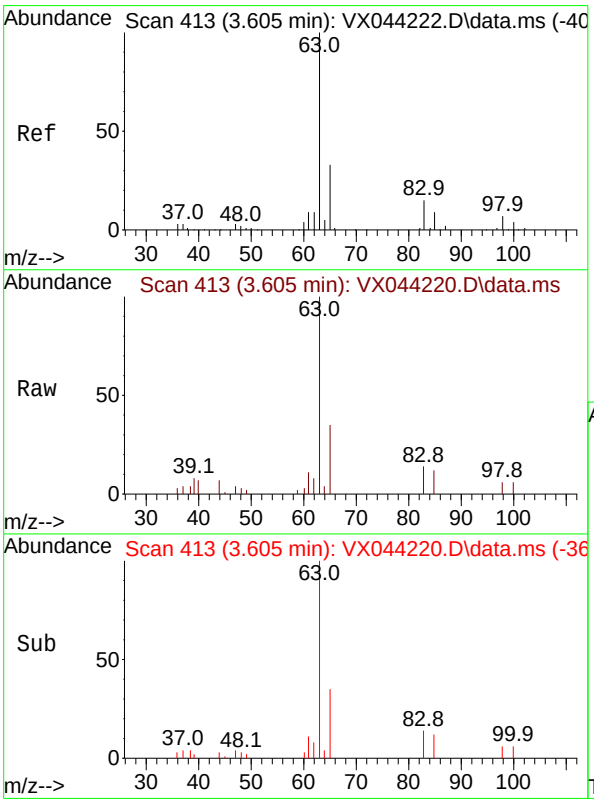
#23
Vinyl Acetate
Concen: 22.983 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 109670

Ion	Ratio	Lower	Upper
43	100		
86	11.7	8.2	12.2

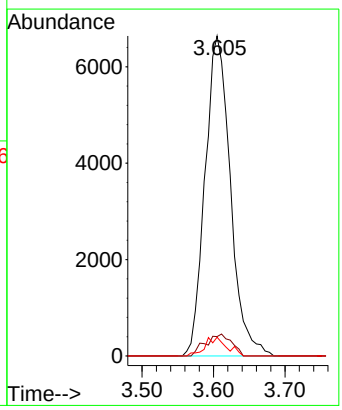


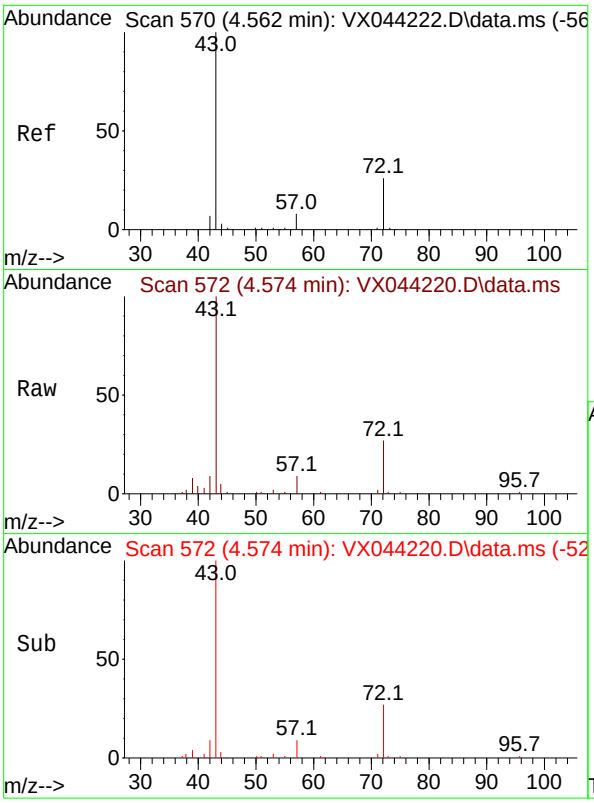


#24
1,1-Dichloroethane
Concen: 5.004 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 63 Resp: 16370

Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.6	10.8
100	5.9	2.1	6.3



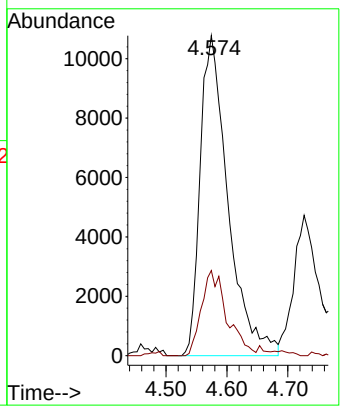


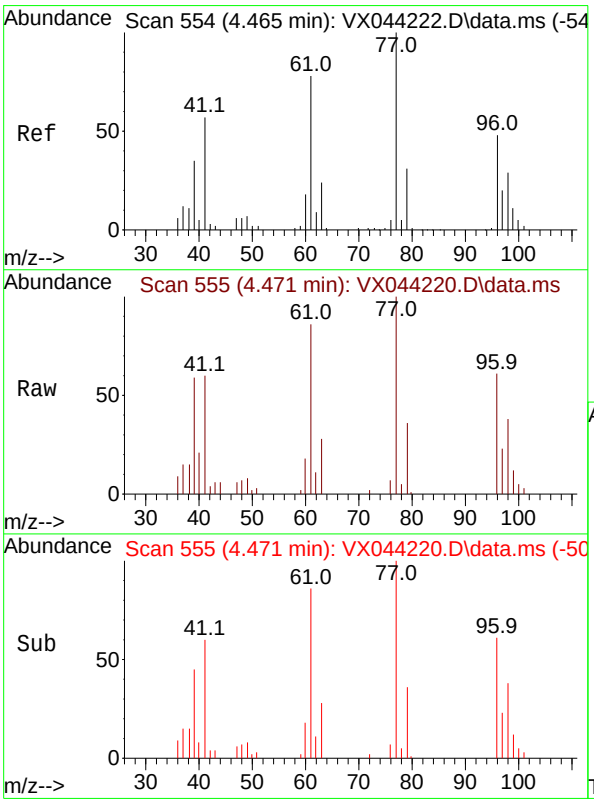
#25
2-Butanone
Concen: 24.138 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 34245

Ion	Ratio	Lower	Upper
43	100		
72	26.6	20.2	30.4

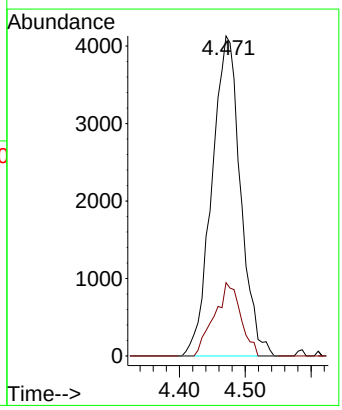


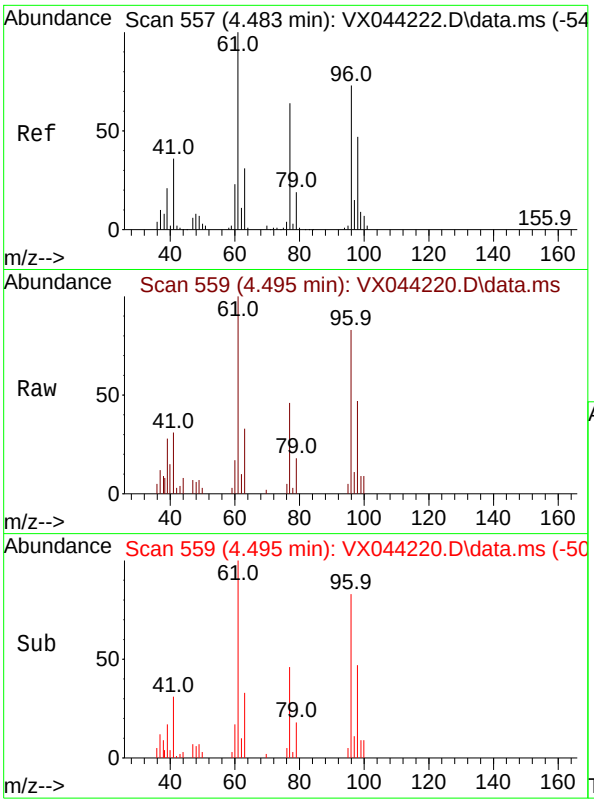


#26
2,2-Dichloropropane
Concen: 4.708 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 77 Resp: 12514

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.7	32.1



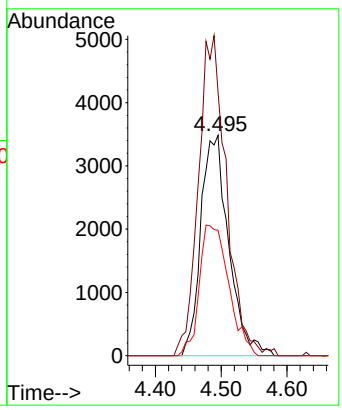


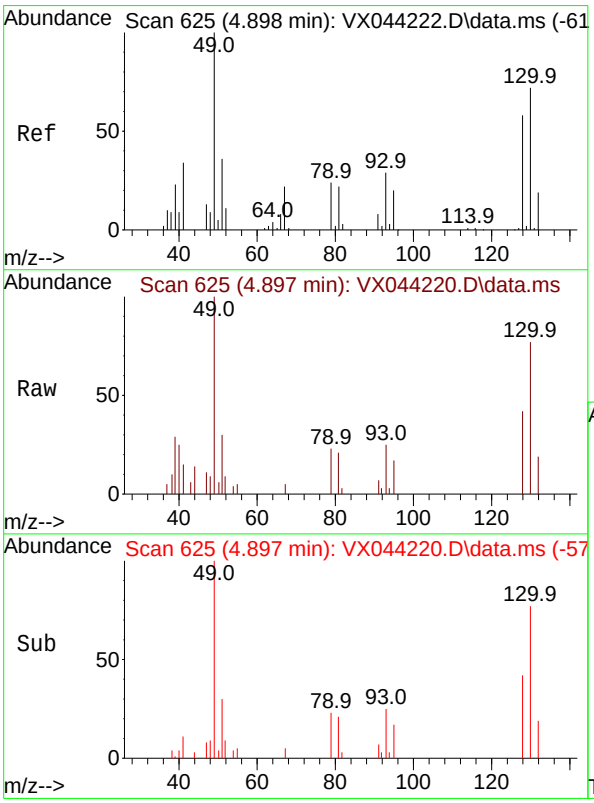
#27
cis-1,2-Dichloroethene
Concen: 4.873 ug/l
RT: 4.495 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 10292

Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	299.0
98	62.4	0.0	129.0

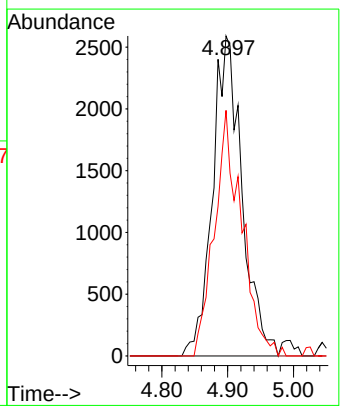


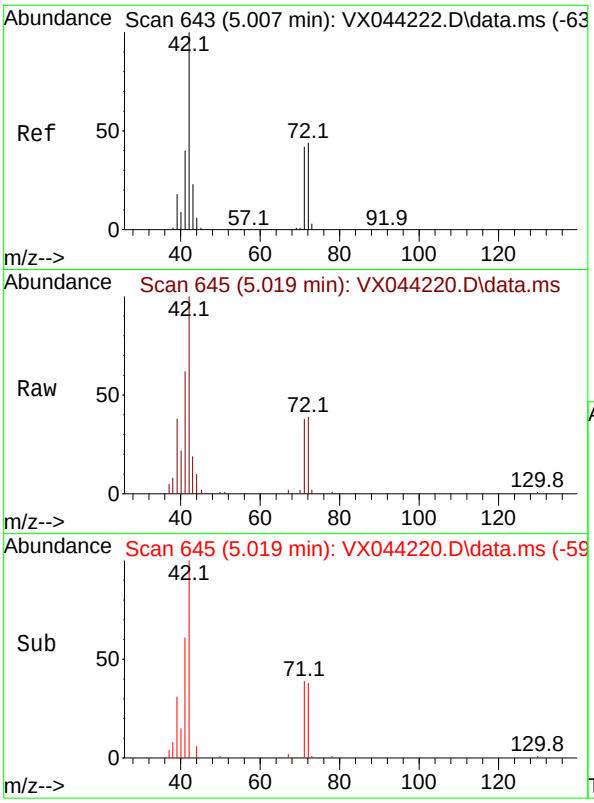


#28
Bromochloromethane
Concen: 5.017 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 49 Resp: 8049

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	71.2	62.1	93.1



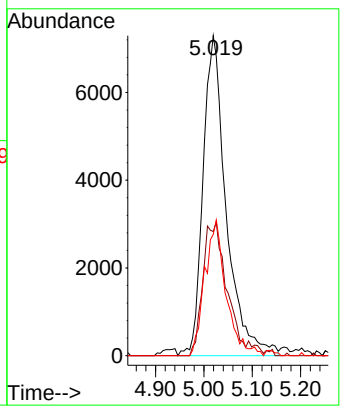


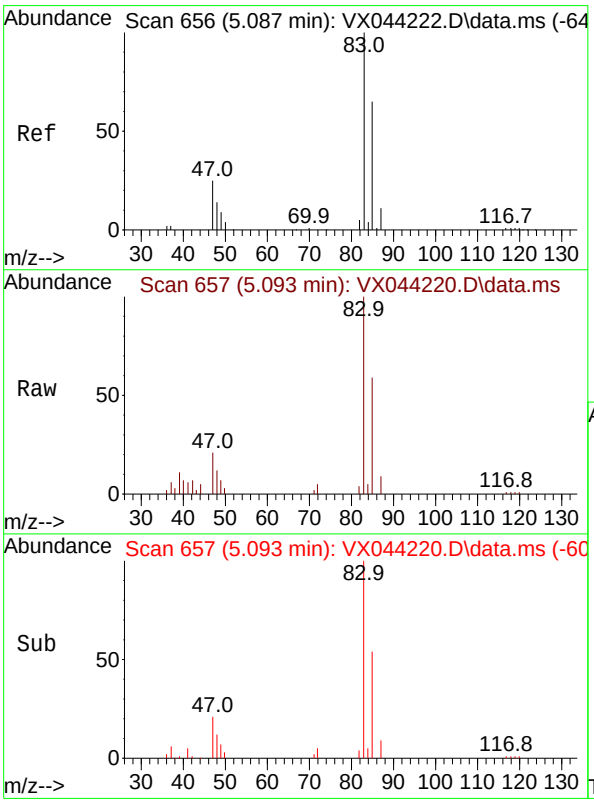
#29
Tetrahydrofuran
Concen: 26.693 ug/l
RT: 5.019 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 24307

Ion	Ratio	Lower	Upper
42	100		
72	42.3	37.0	55.6
71	38.9	33.6	50.4

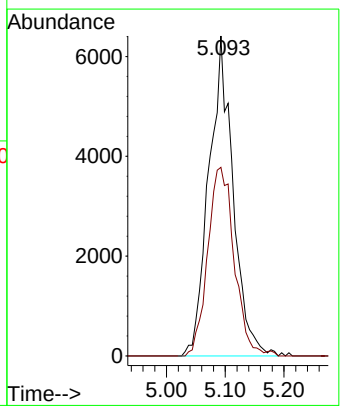


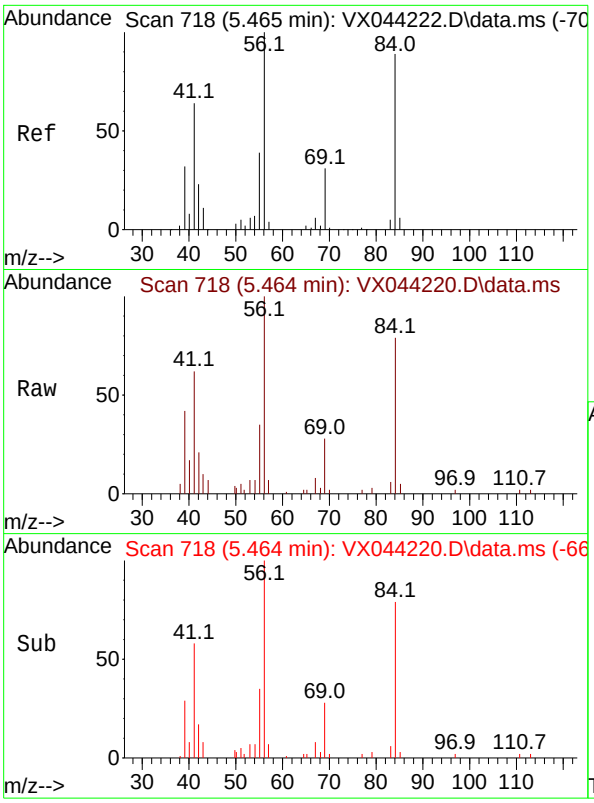


#30
Chloroform
Concen: 4.984 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 83 Resp: 18319

Ion	Ratio	Lower	Upper
83	100		
85	58.9	51.6	77.4



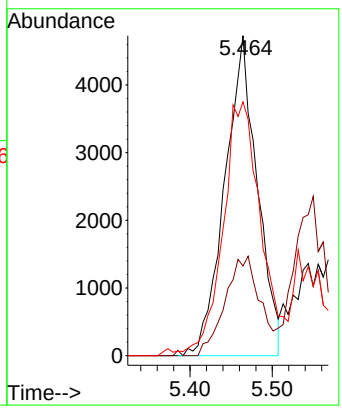


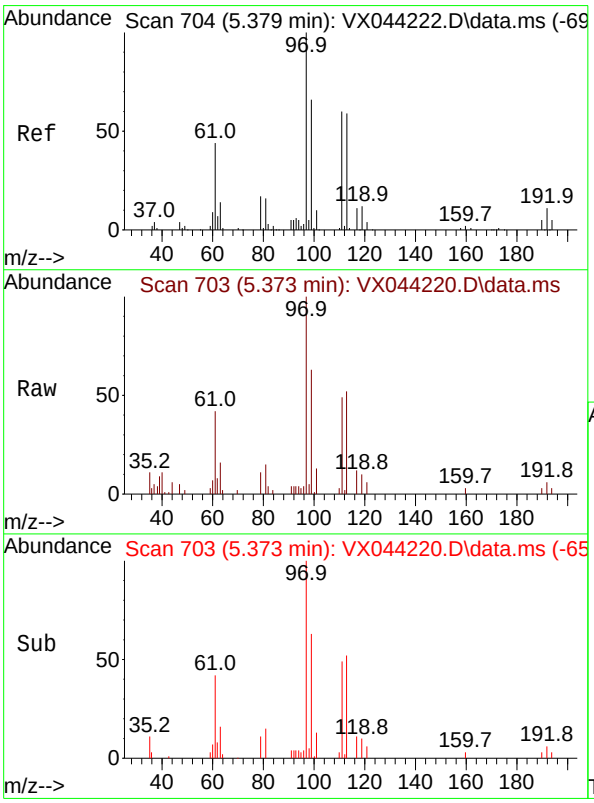
#31
Cyclohexane
Concen: 4.919 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 12995

Ion	Ratio	Lower	Upper
56	100		
69	26.4	24.7	37.1
84	77.9	71.0	106.6

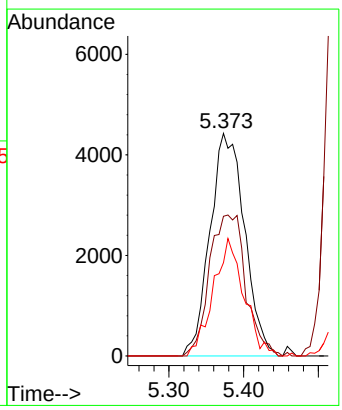


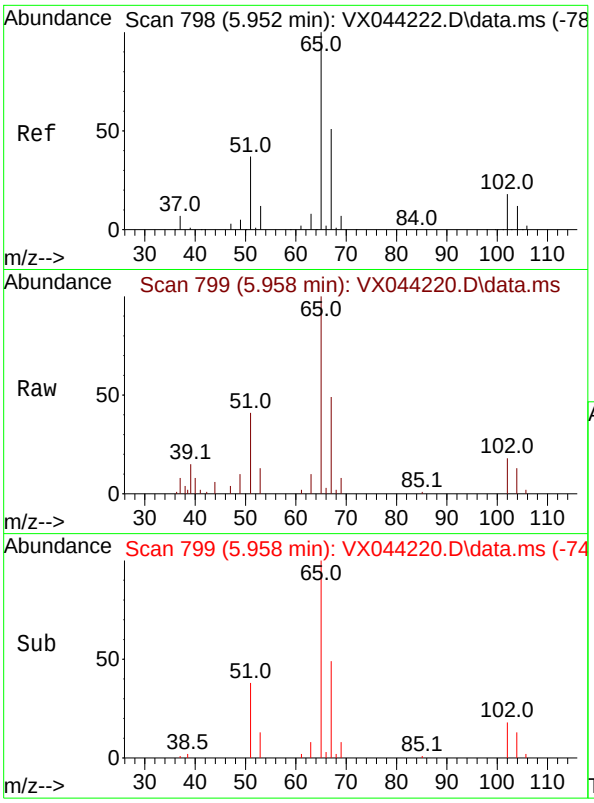


#32
1,1,1-Trichloroethane
Concen: 4.664 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 97 Resp: 14231

Ion	Ratio	Lower	Upper
97	100		
99	66.8	50.8	76.2
61	46.9	35.2	52.8



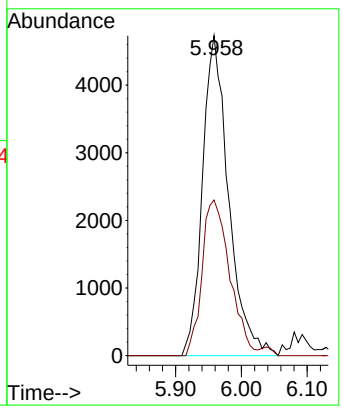


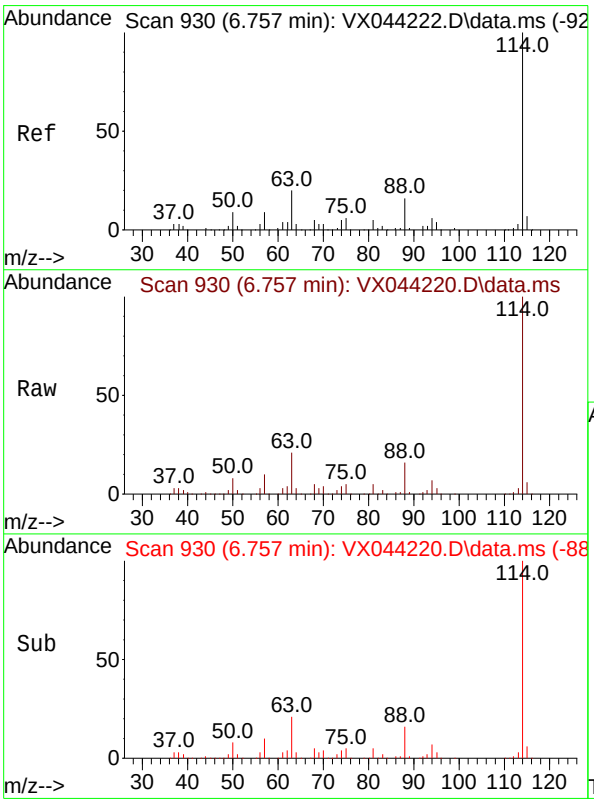
#33
1,2-Dichloroethane-d4
Concen: 5.328 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 13043

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	101.6

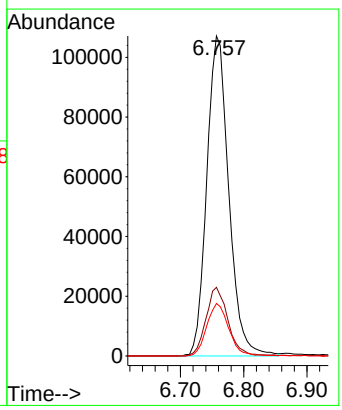


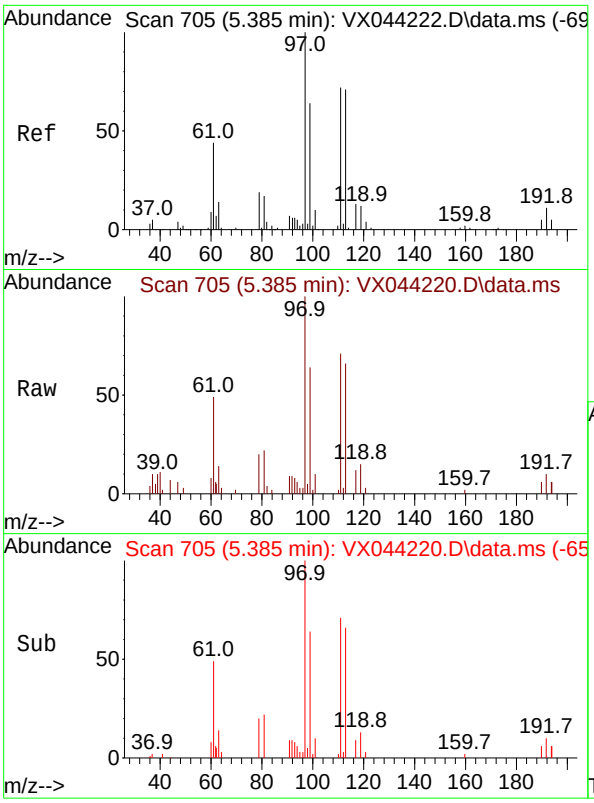


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:114 Resp: 258881

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	40.6
88	16.4	0.0	31.8



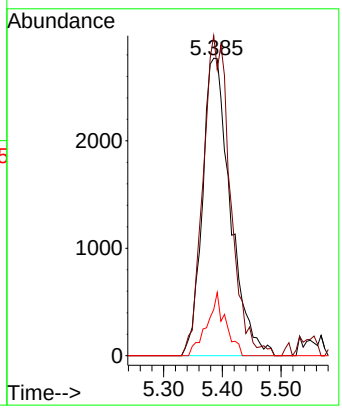


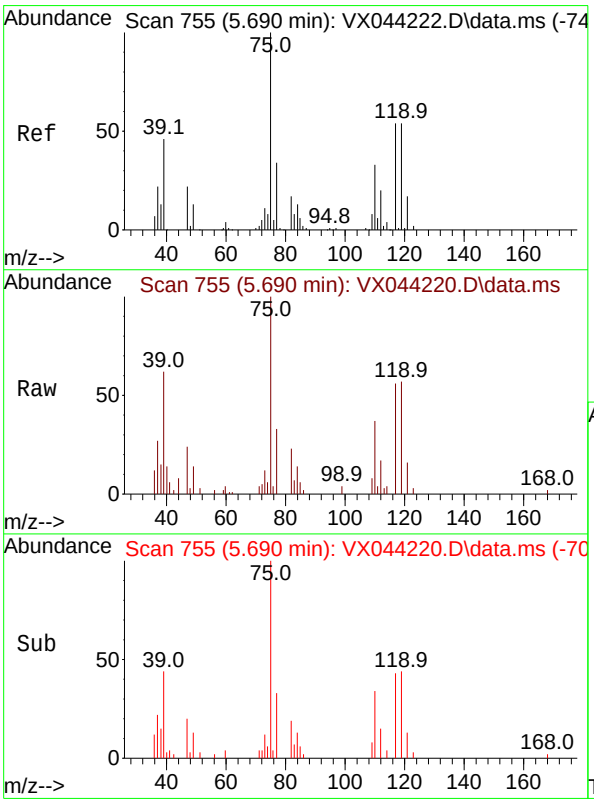
#35
Dibromofluoromethane
Concen: 5.100 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 9145

Ion	Ratio	Lower	Upper
113	100		
111	104.7	80.4	120.6
192	14.2	13.3	19.9

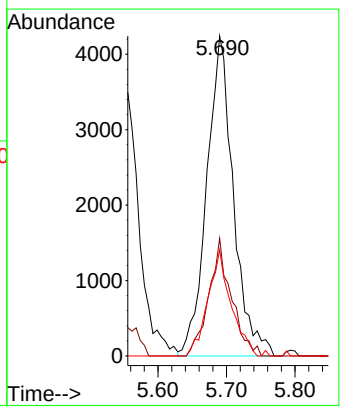


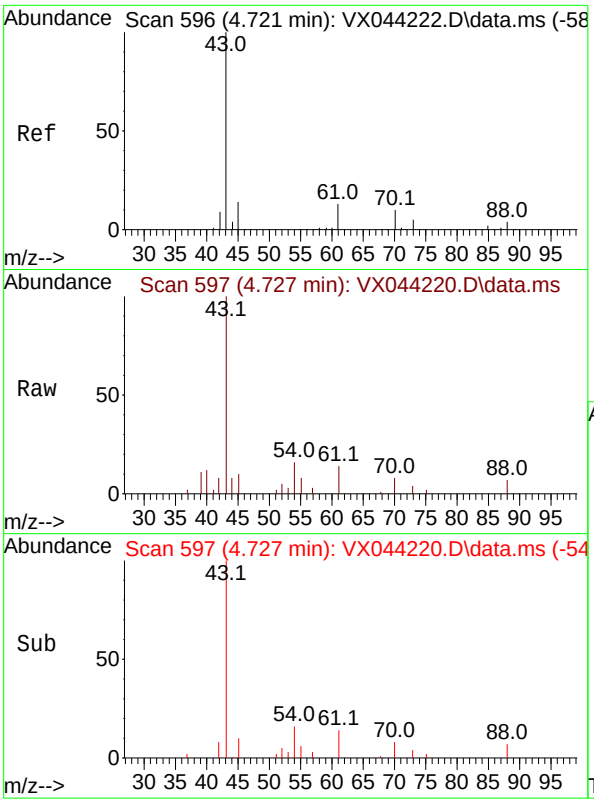


#36
1,1-Dichloropropene
Concen: 4.942 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 75 Resp: 11455

Ion	Ratio	Lower	Upper
75	100		
110	31.1	17.3	51.7
77	28.7	25.4	38.0



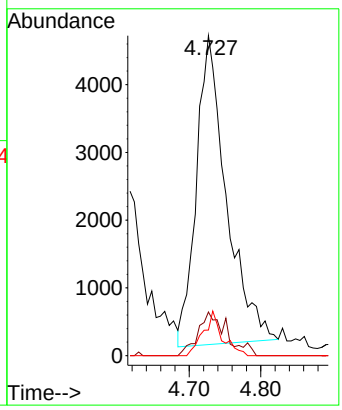


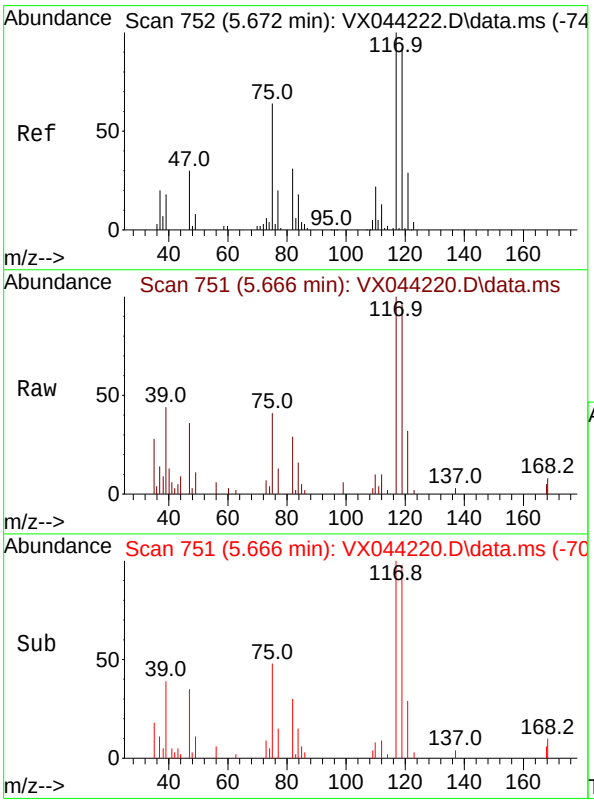
#37
Ethyl Acetate
Concen: 4.630 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 13265

Ion	Ratio	Lower	Upper
43	100		
61	13.6	9.8	14.8
70	9.1	7.7	11.5

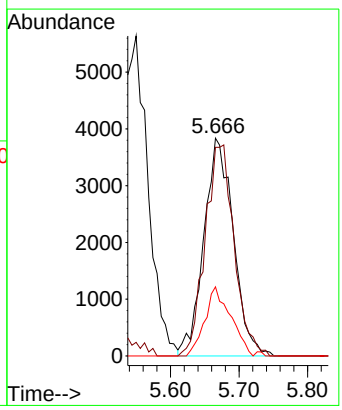


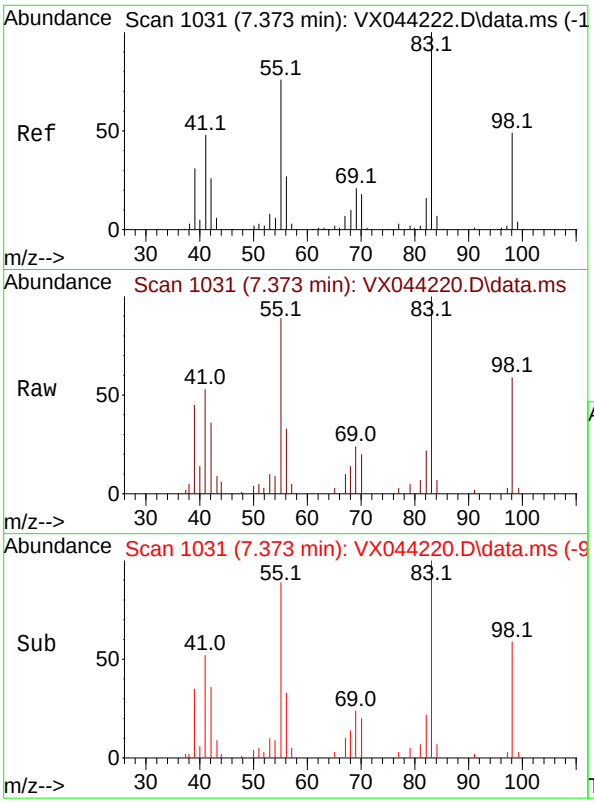


#38
Carbon Tetrachloride
Concen: 4.599 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:117 Resp: 11476

Ion	Ratio	Lower	Upper
117	100		
119	95.8	74.2	111.4
121	31.7	23.0	34.6



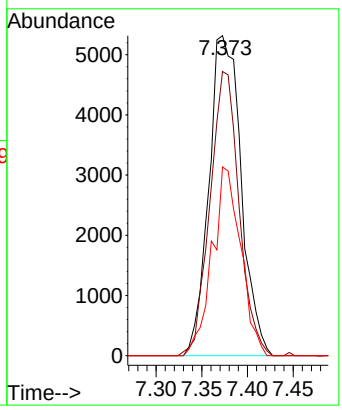


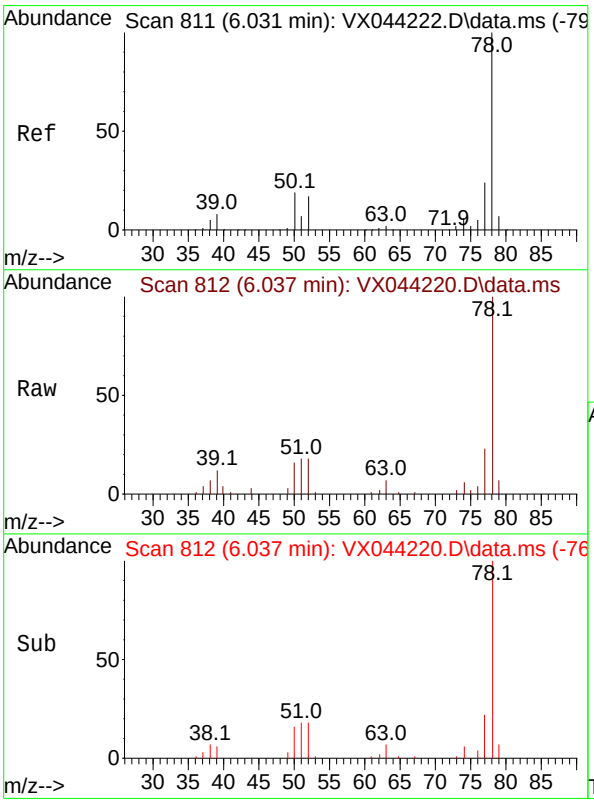
#39
Methylcyclohexane
Concen: 4.699 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 13019

Ion	Ratio	Lower	Upper
83	100		
55	88.8	60.7	91.1
98	59.0	38.9	58.3#

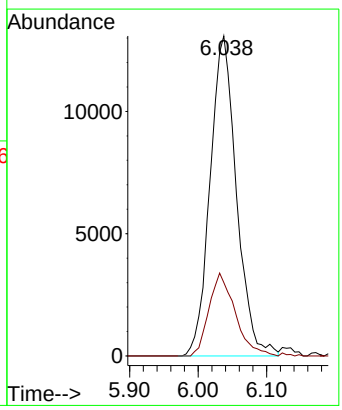


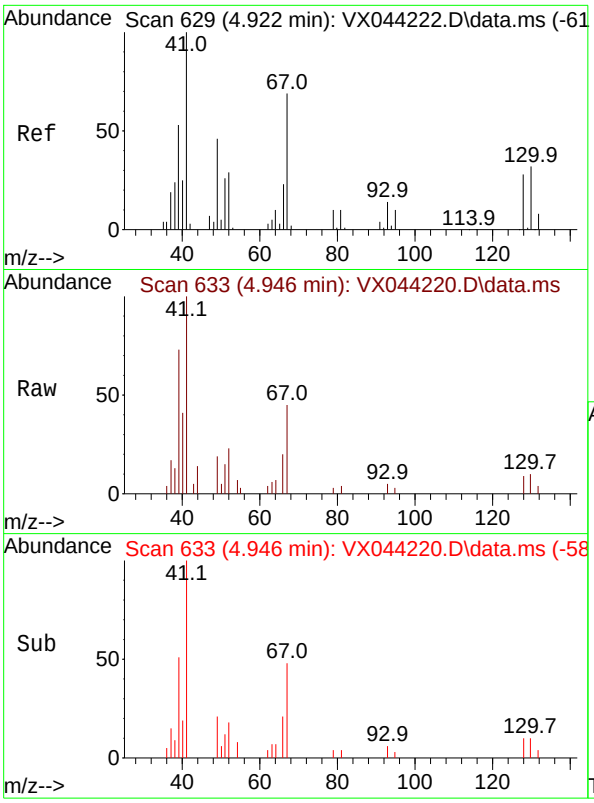


#40
Benzene
Concen: 4.976 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 78 Resp: 35018

Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.3	28.9



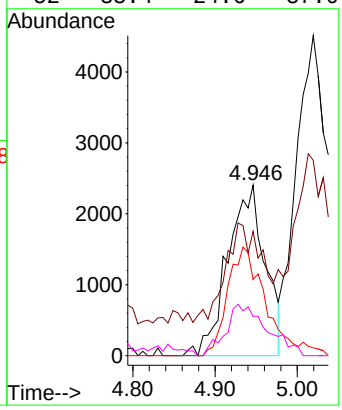


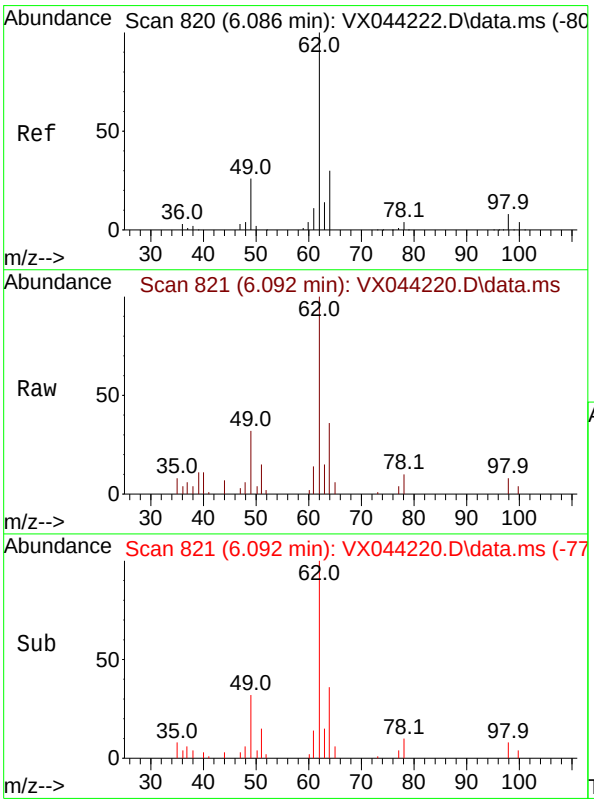
#41
Methacrylonitrile
Concen: 4.986 ug/l
RT: 4.946 min Scan# 6
Delta R.T. 0.024 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 7585

Ion	Ratio	Lower	Upper
41	100		
39	58.4	44.2	66.4
67	63.0	57.2	85.8
52	33.4	24.6	37.0

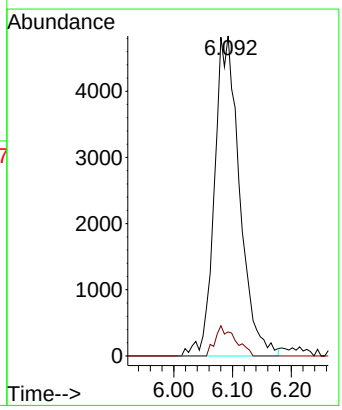


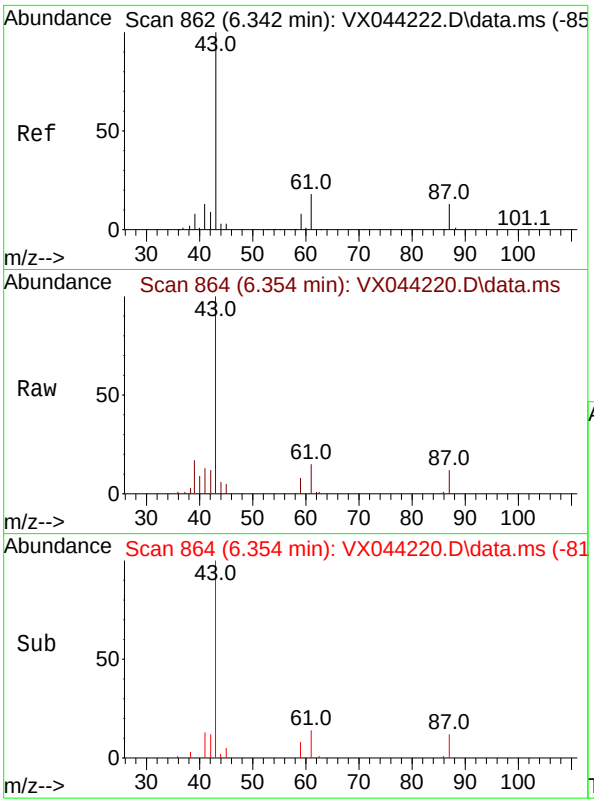


#42
1,2-Dichloroethane
Concen: 4.974 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 62 Resp: 14419

Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	15.8



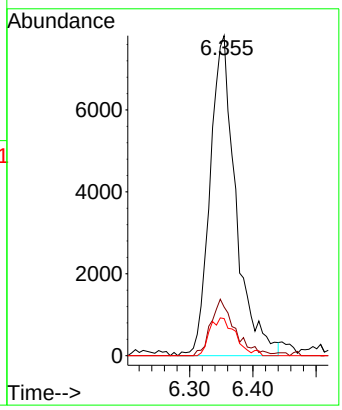


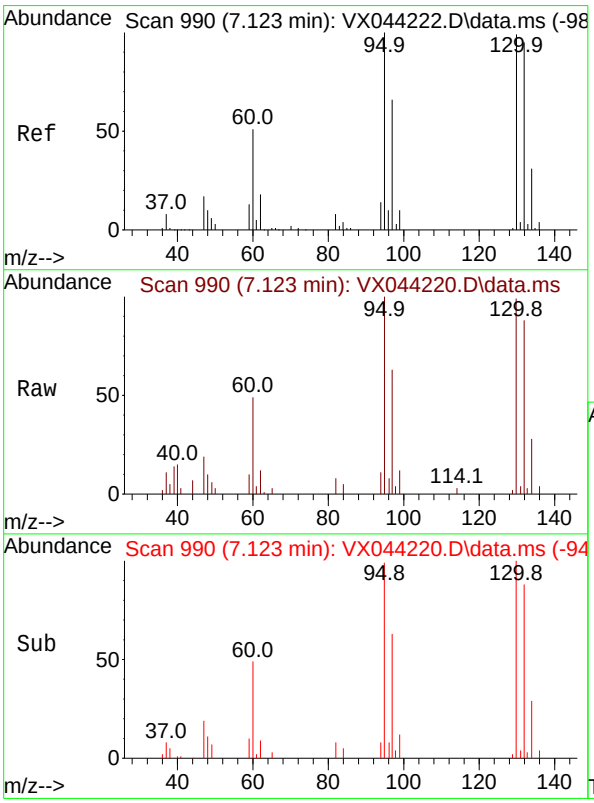
#43
Isopropyl Acetate
Concen: 4.935 ug/l
RT: 6.354 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 22098

Ion	Ratio	Lower	Upper
43	100		
61	16.5	14.2	21.2
87	11.9	10.2	15.2

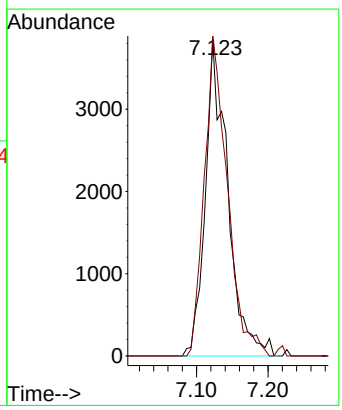


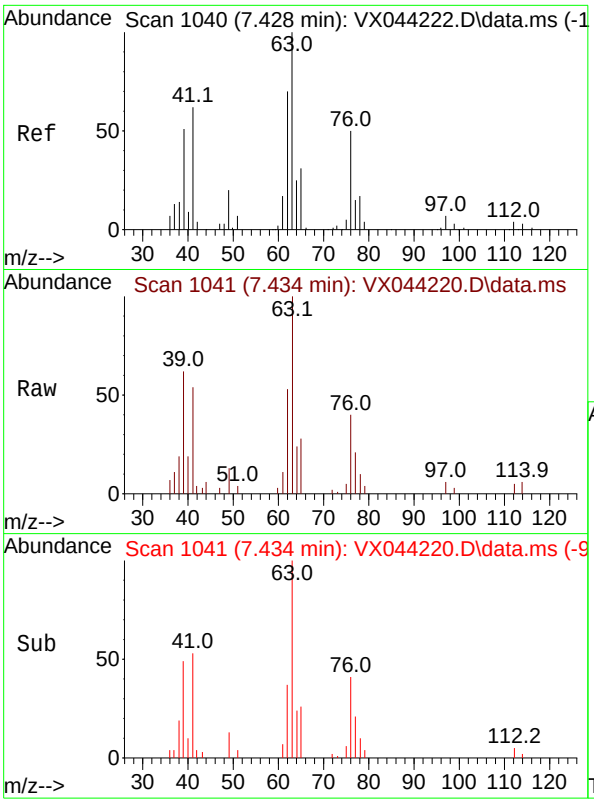


#44
Trichloroethene
Concen: 4.790 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:130 Resp: 8405

Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	201.4



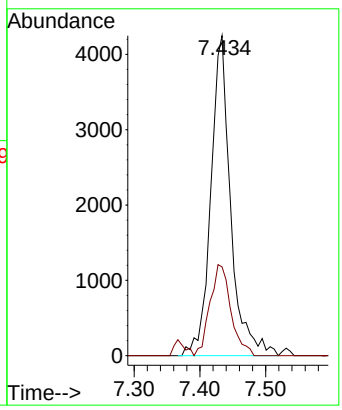


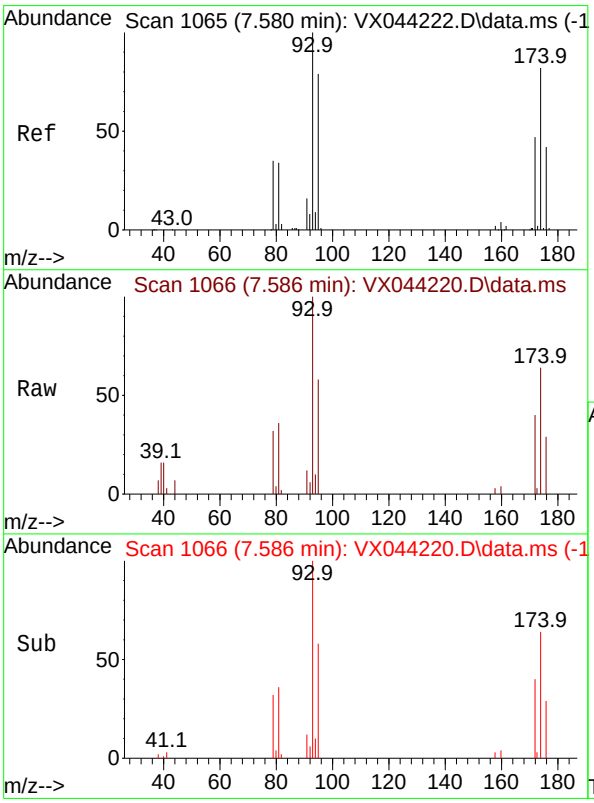
#45
1,2-Dichloropropane
Concen: 4.968 ug/l
RT: 7.434 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 8932

Ion	Ratio	Lower	Upper
63	100		
65	27.8	24.6	37.0

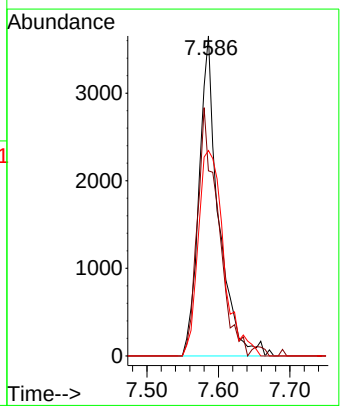


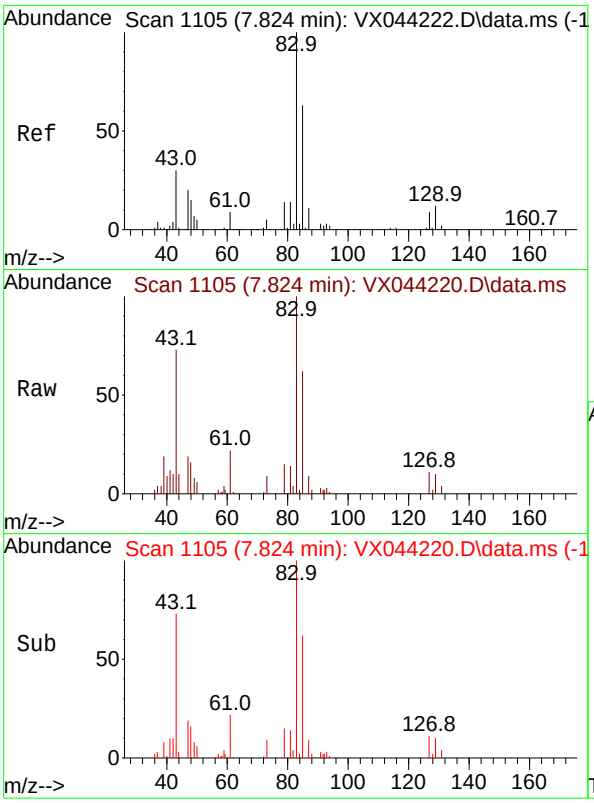


#46
Dibromomethane
Concen: 4.958 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 93 Resp: 6915

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.4	98.2
174	83.6	67.9	101.9



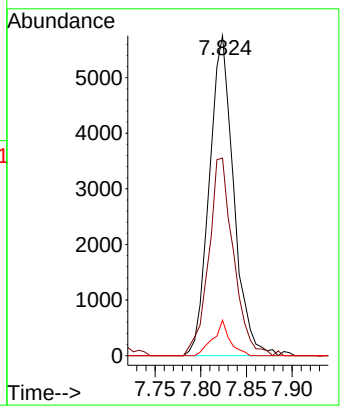


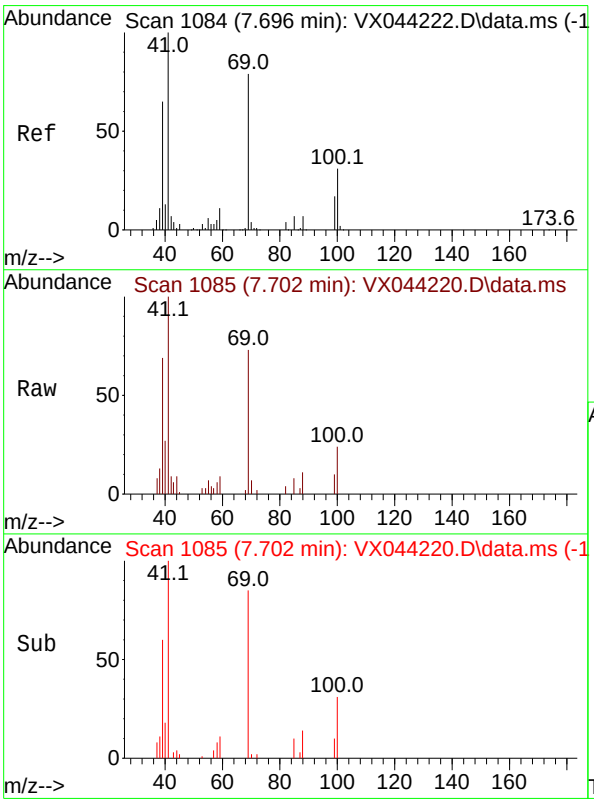
#47
Bromodichloromethane
Concen: 4.420 ug/l
RT: 7.824 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 10646

Ion	Ratio	Lower	Upper
83	100		
85	61.7	50.6	75.8
127	11.1	7.3	10.9#

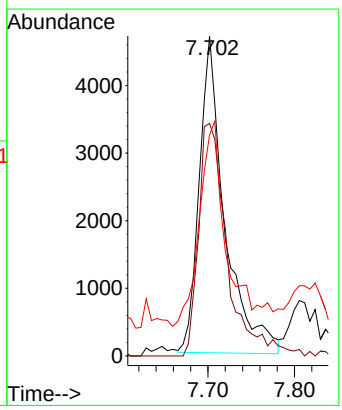


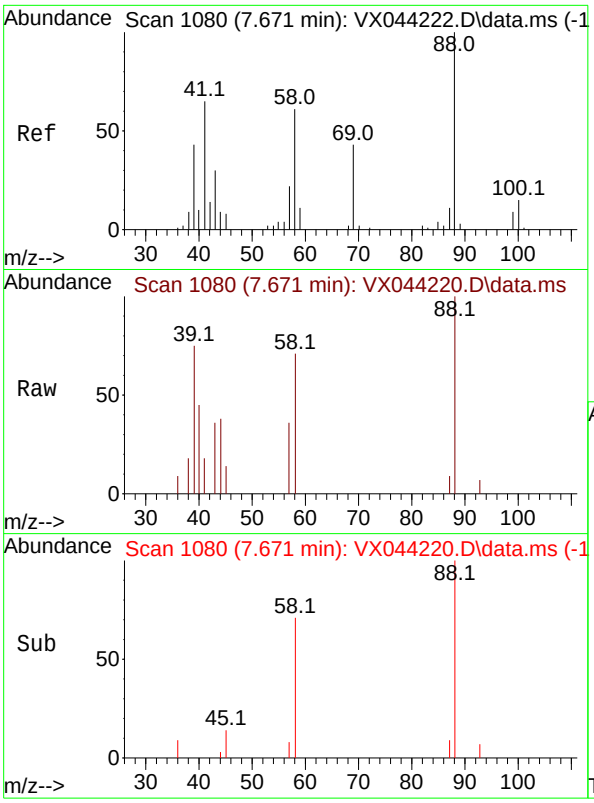


#48
Methyl methacrylate
Concen: 4.410 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 41 Resp: 9586

Ion	Ratio	Lower	Upper
41	100		
69	82.8	62.4	93.6
39	66.7	53.3	79.9



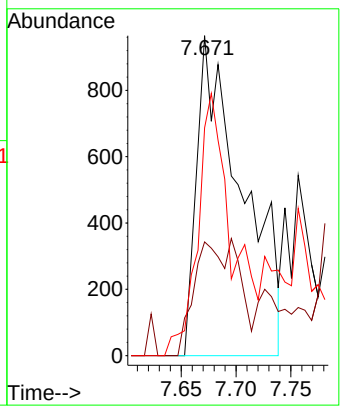


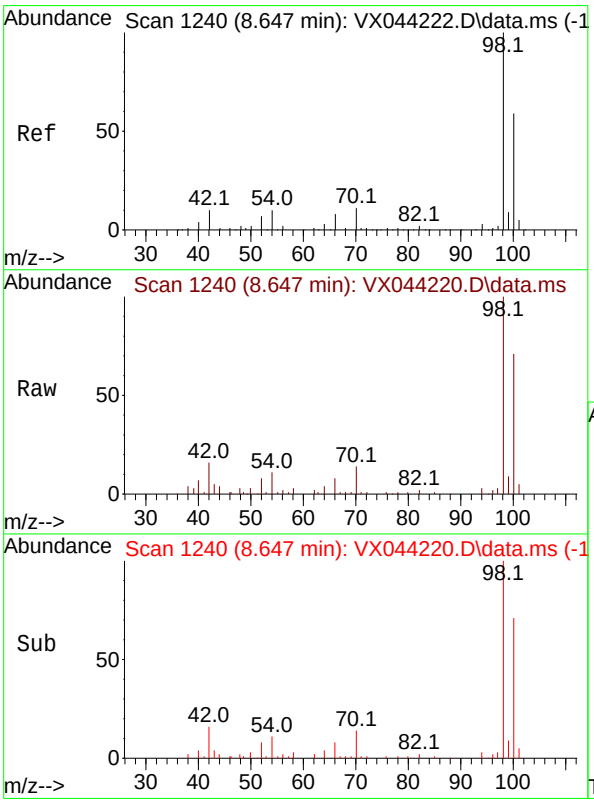
#49
1,4-Dioxane
Concen: 74.917 ug/l
RT: 7.671 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 2783

Ion	Ratio	Lower	Upper
88	100		
43	23.3	27.1	40.7#
58	61.6	41.0	61.4#

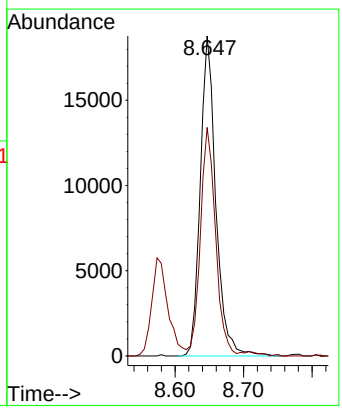


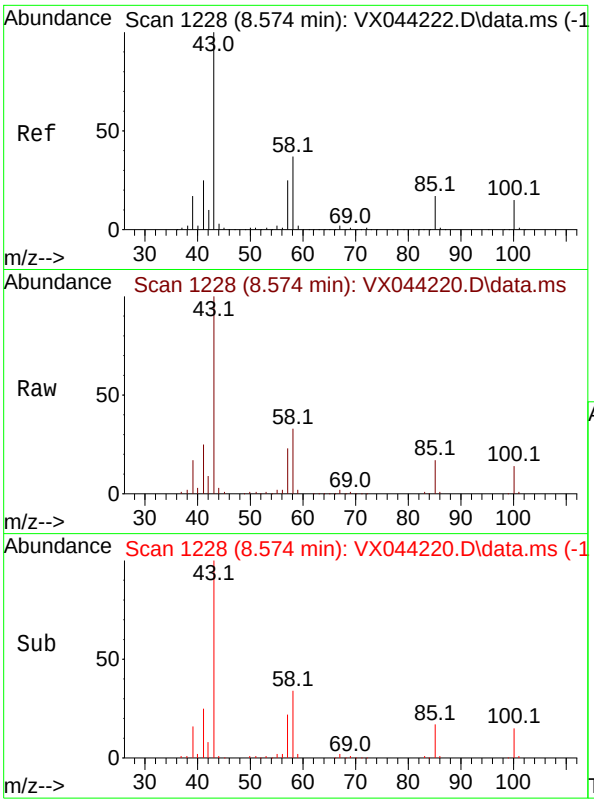


#50
Toluene-d8
Concen: 4.915 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 98 Resp: 29732

Ion	Ratio	Lower	Upper
98	100		
100	67.4	51.5	77.3



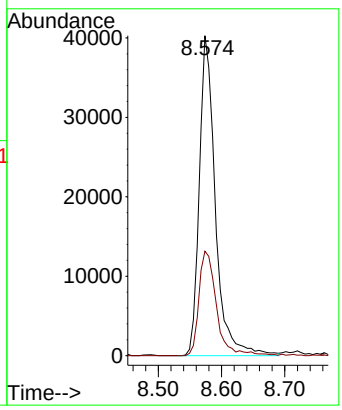


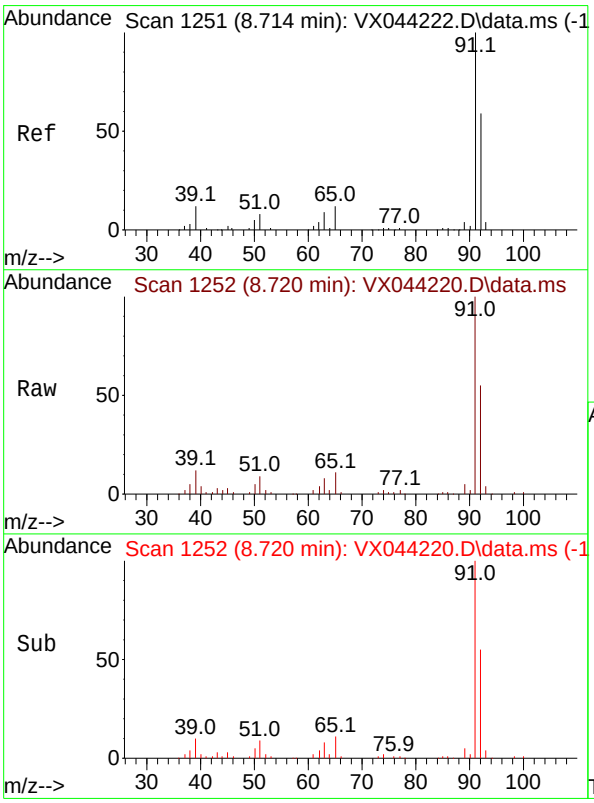
#51
4-Methyl-2-Pentanone
Concen: 24.759 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 71285

Ion	Ratio	Lower	Upper
43	100		
58	35.7	29.4	44.0

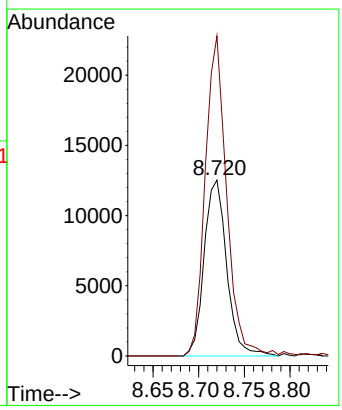


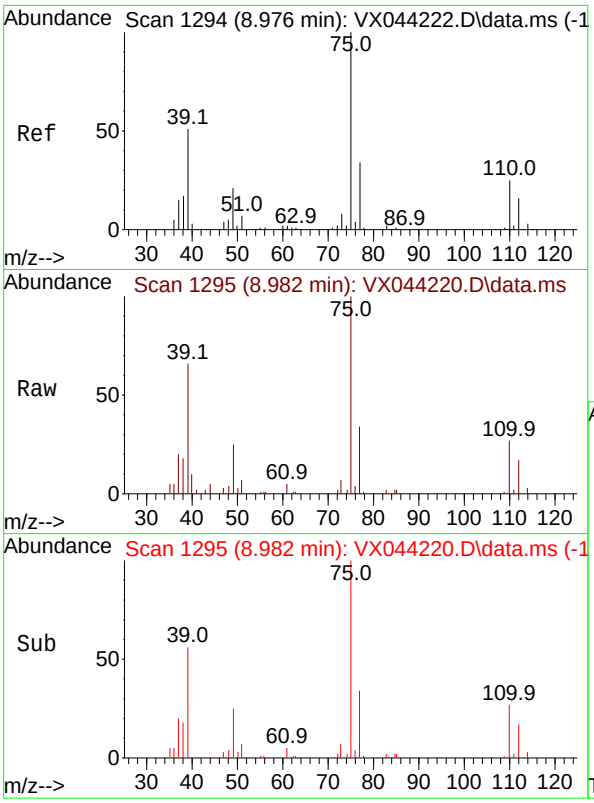


#52
Toluene
Concen: 4.862 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 92 Resp: 21486

Ion	Ratio	Lower	Upper
92	100		
91	173.0	137.0	205.6



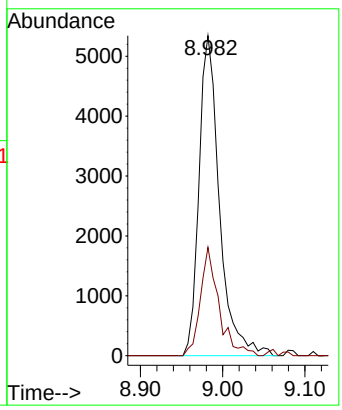


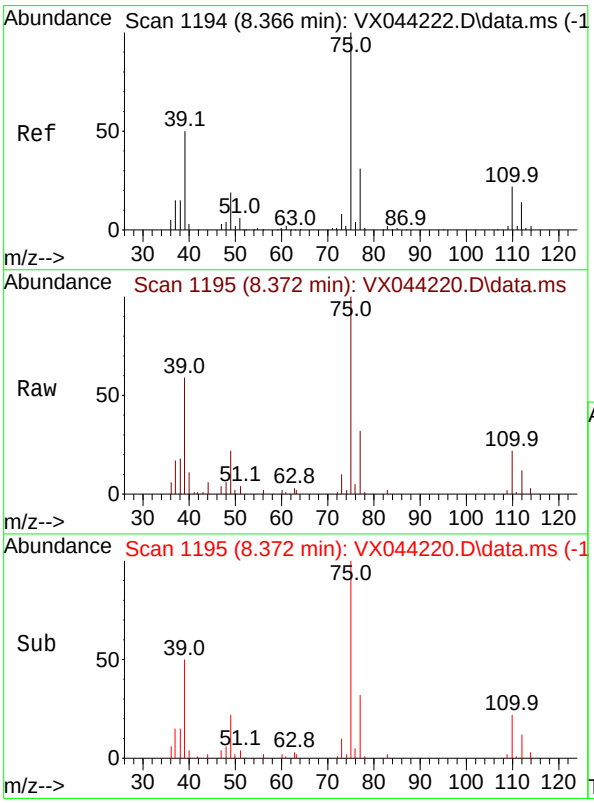
#53
t-1,3-Dichloropropene
Concen: 4.665 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 9232

Ion	Ratio	Lower	Upper
75	100		
77	33.8	27.2	40.8

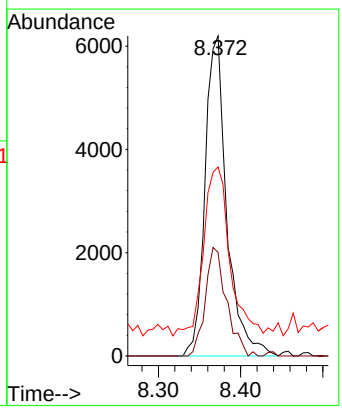


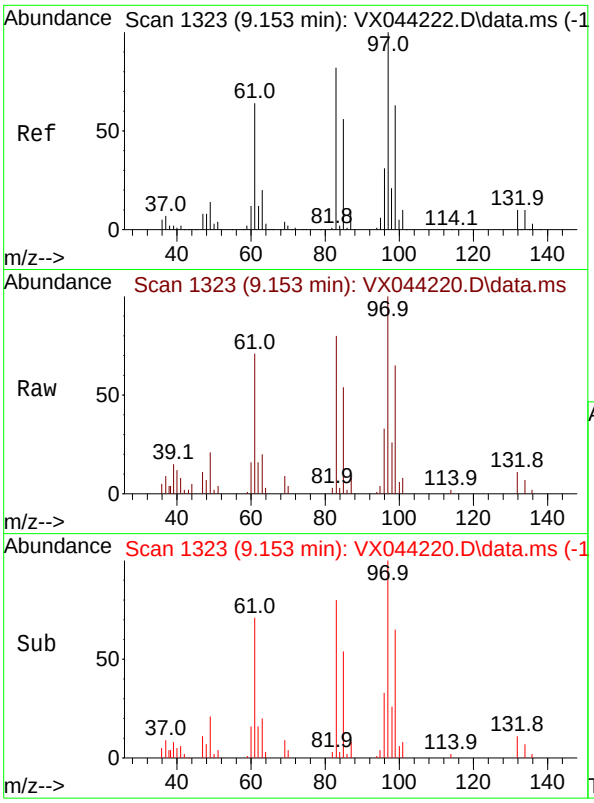


#54
cis-1,3-Dichloropropene
Concen: 4.348 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 75 Resp: 11404

Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.7	37.1
39	50.5	40.3	60.5



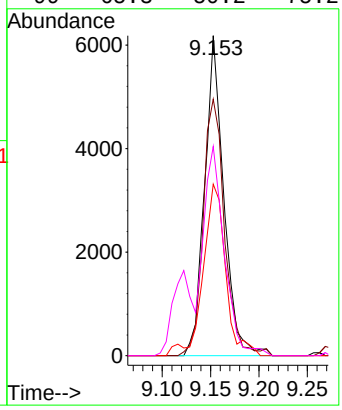


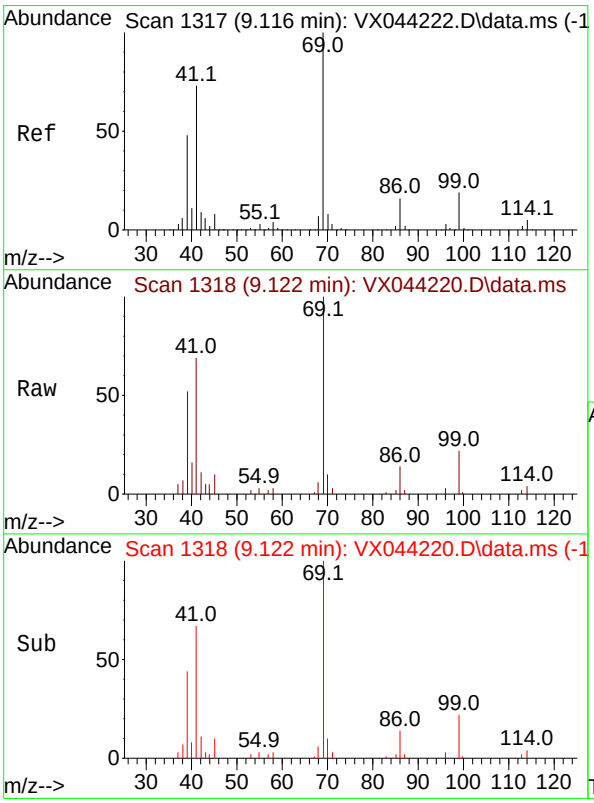
#55
1,1,2-Trichloroethane
Concen: 4.893 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 8590

Ion	Ratio	Lower	Upper
97	100		
83	80.2	65.3	97.9
85	53.6	44.6	67.0
99	65.3	50.2	75.2

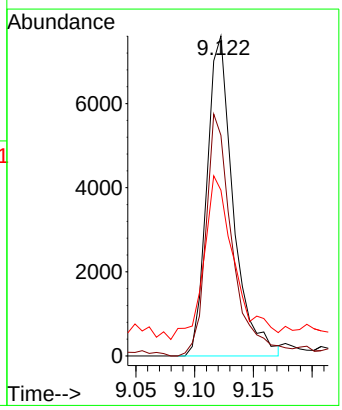


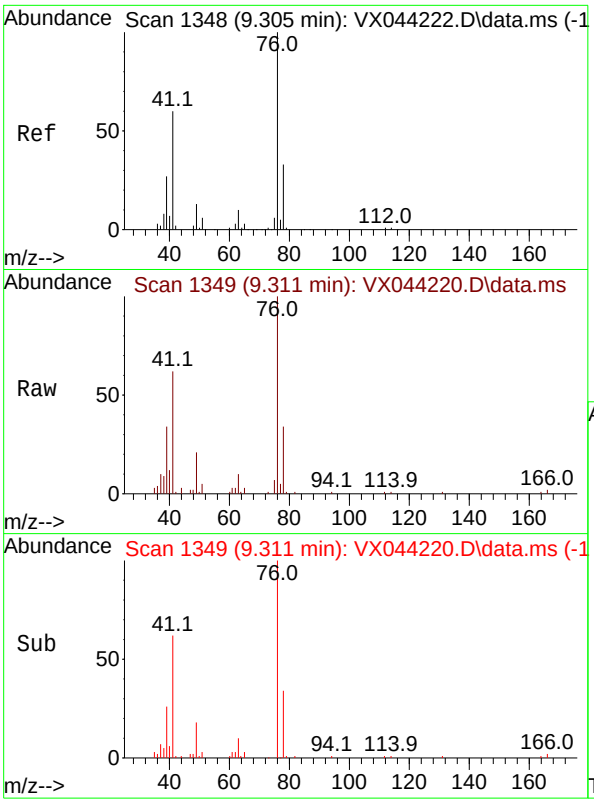


#56
Ethyl methacrylate
Concen: 4.277 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 69 Resp: 11854

Ion	Ratio	Lower	Upper
69	100		
41	76.0	56.6	85.0
39	58.7	37.4	56.0#



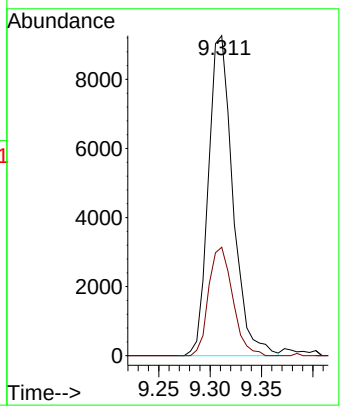


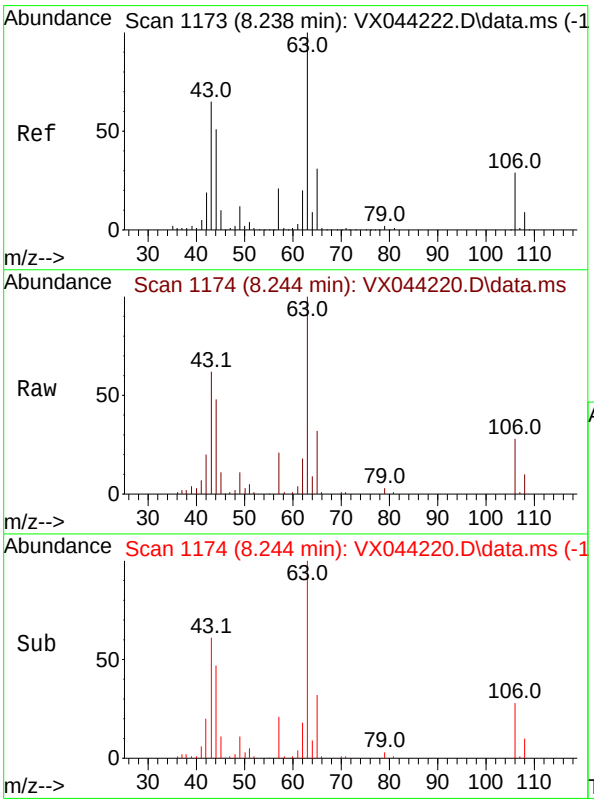
#57
1,3-Dichloropropane
Concen: 5.024 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 15352

Ion	Ratio	Lower	Upper
76	100		
78	33.3	26.5	39.7

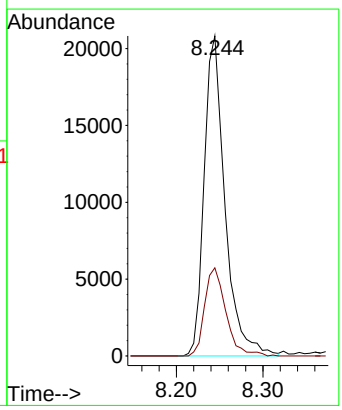


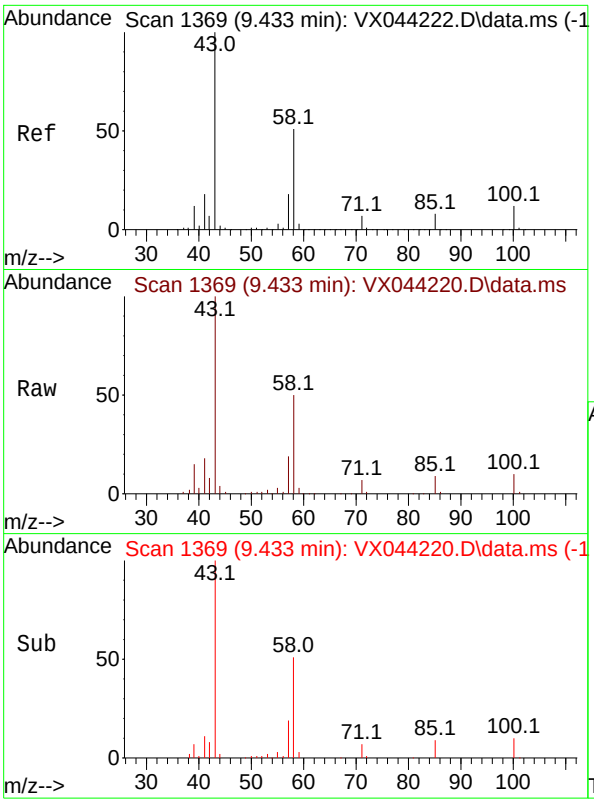


#58
2-Chloroethyl Vinyl ether
Concen: 24.852 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 63 Resp: 34738

Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.8	34.2



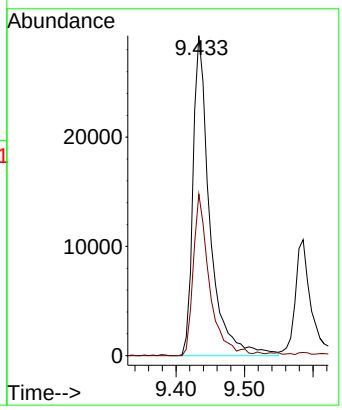


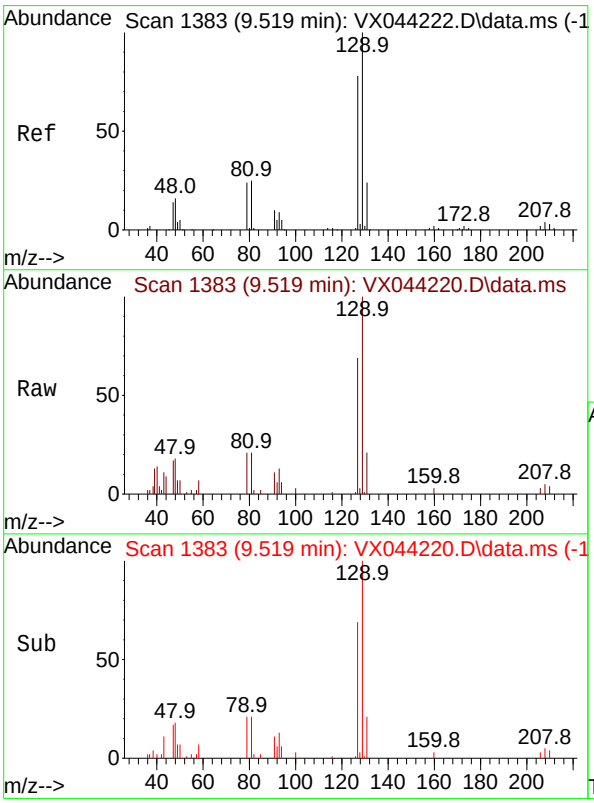
#59
2-Hexanone
Concen: 23.994 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 50003

Ion	Ratio	Lower	Upper
43	100		
58	48.6	25.7	77.0

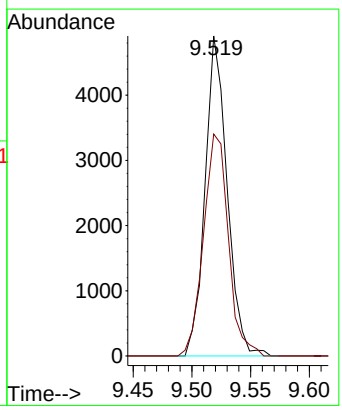


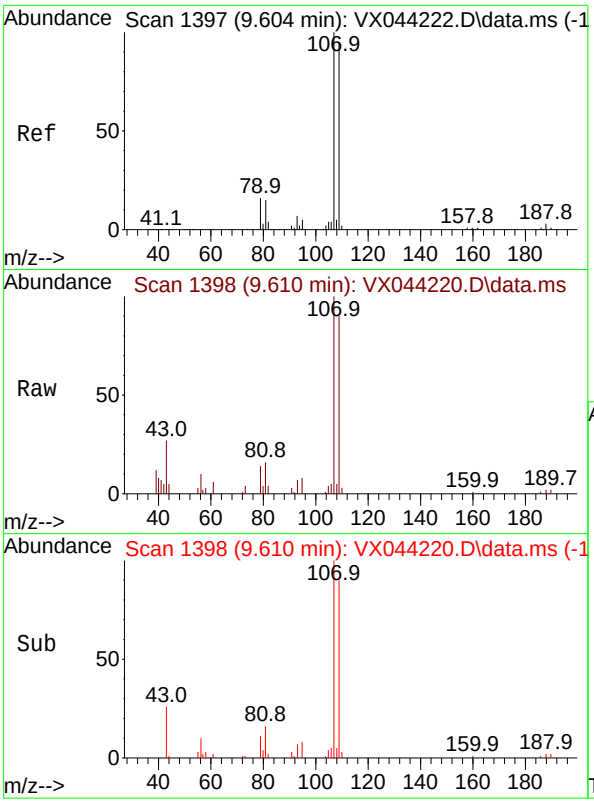


#60
Dibromochloromethane
Concen: 4.738 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:129 Resp: 6411

Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.5	115.3



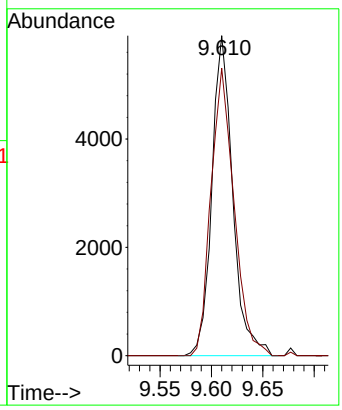


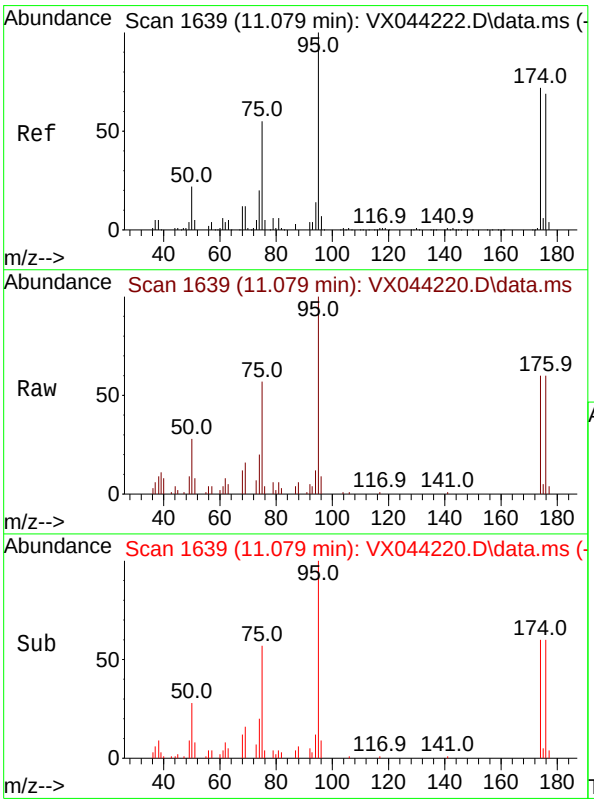
#61
1,2-Dibromoethane
Concen: 4.662 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 8330

Ion	Ratio	Lower	Upper
107	100		
109	99.5	77.0	115.4

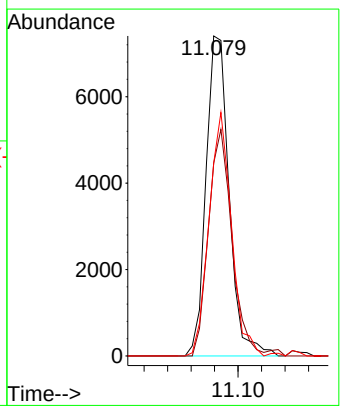


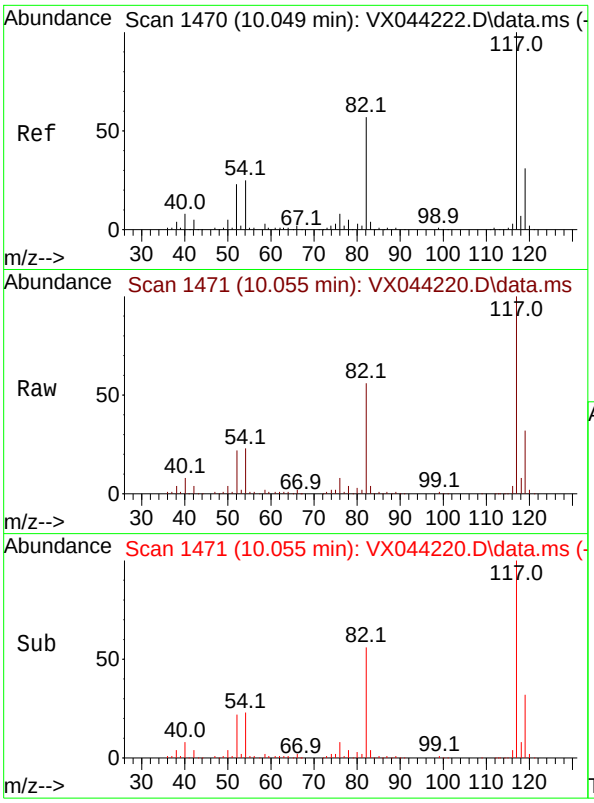


#62
4-Bromofluorobenzene
Concen: 4.779 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 95 Resp: 10101

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	145.8
176	74.4	0.0	137.8



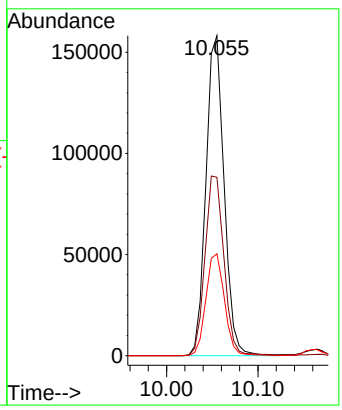


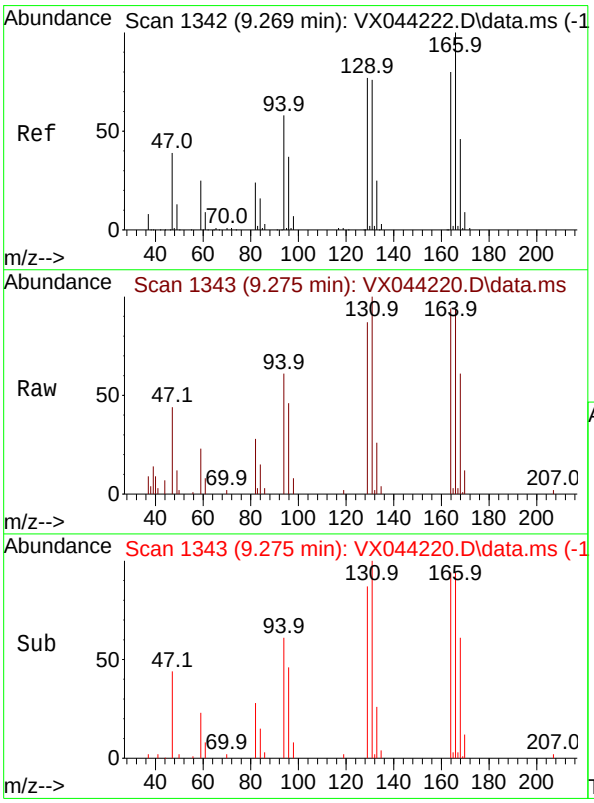
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 217783

Ion	Ratio	Lower	Upper
117	100		
82	55.8	45.8	68.8
119	31.9	25.0	37.4

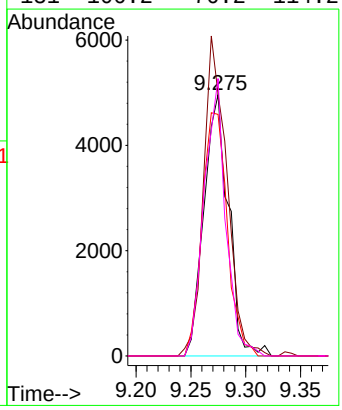


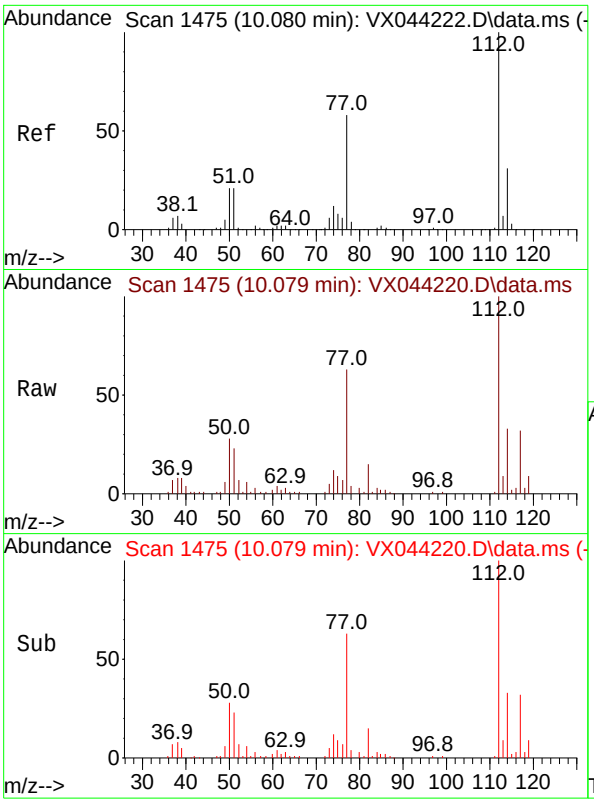


#64
Tetrachloroethene
Concen: 5.334 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:164 Resp: 7710

Ion	Ratio	Lower	Upper
164	100		
166	100.3	100.4	150.6#
129	92.5	77.2	115.8
131	106.2	76.2	114.2



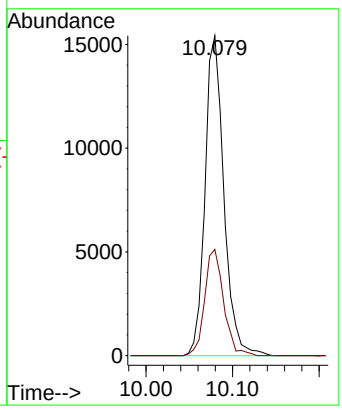


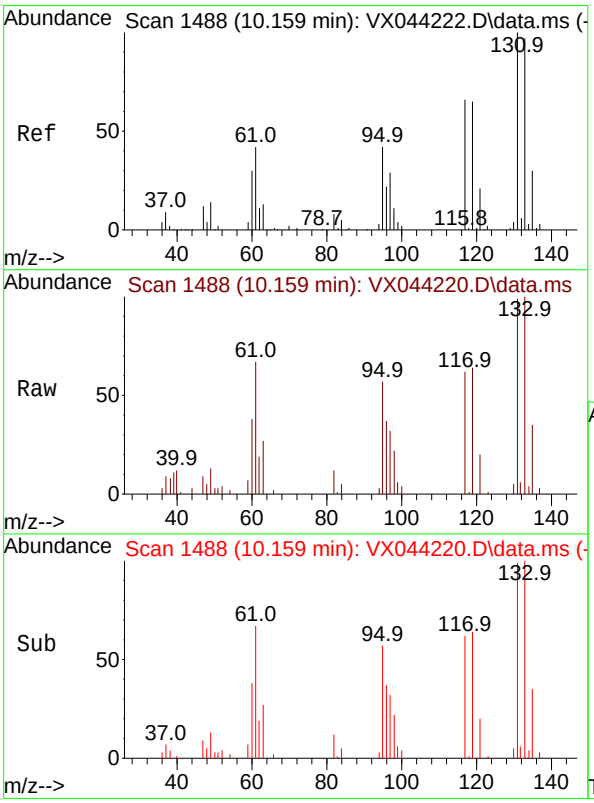
#65
Chlorobenzene
Concen: 4.986 ug/l
RT: 10.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 23268

Ion	Ratio	Lower	Upper
112	100		
114	33.2	25.0	37.6

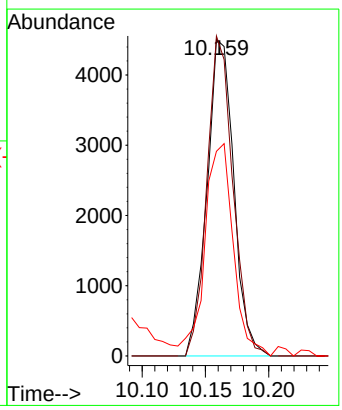


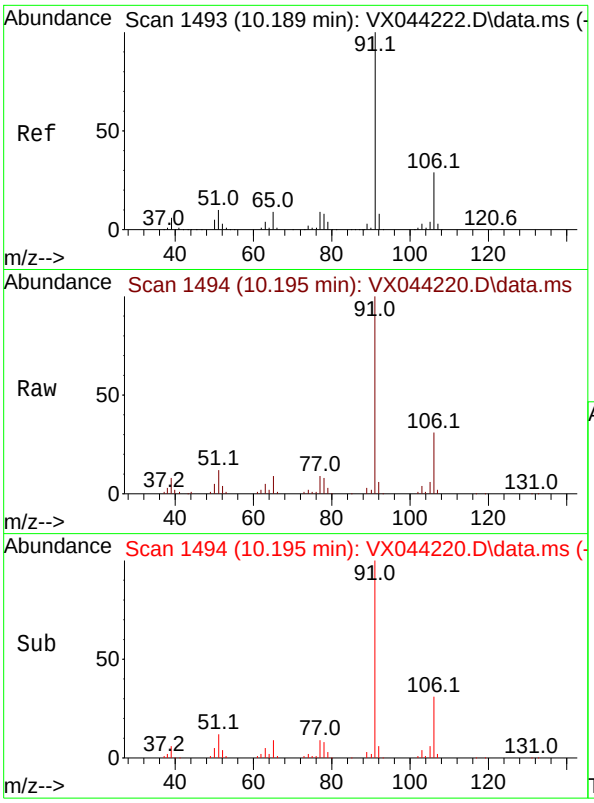


#66
1,1,1,2-Tetrachloroethane
Concen: 4.432 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:131 Resp: 6647

Ion	Ratio	Lower	Upper
131	100		
133	97.7	47.3	141.8
119	70.8	31.6	95.0



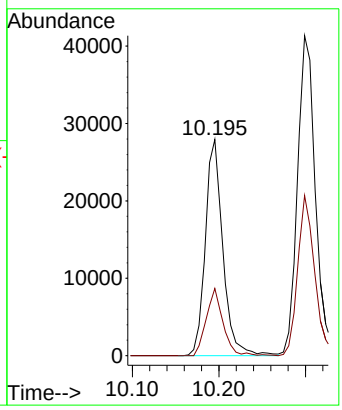


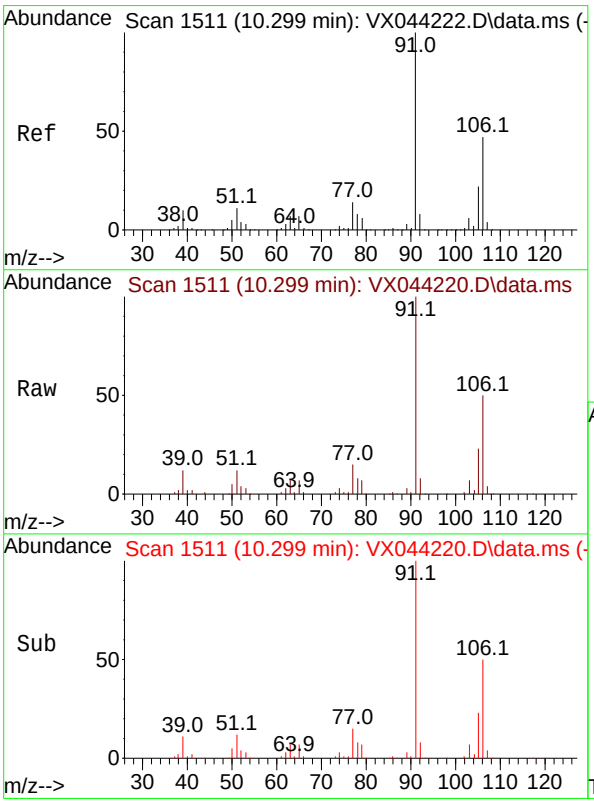
#67
Ethyl Benzene
Concen: 4.877 ug/l
RT: 10.195 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 39326

Ion	Ratio	Lower	Upper
91	100		
106	31.1	23.5	35.3

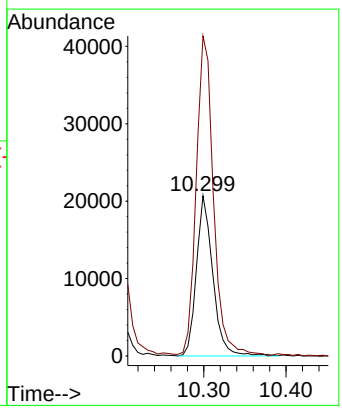


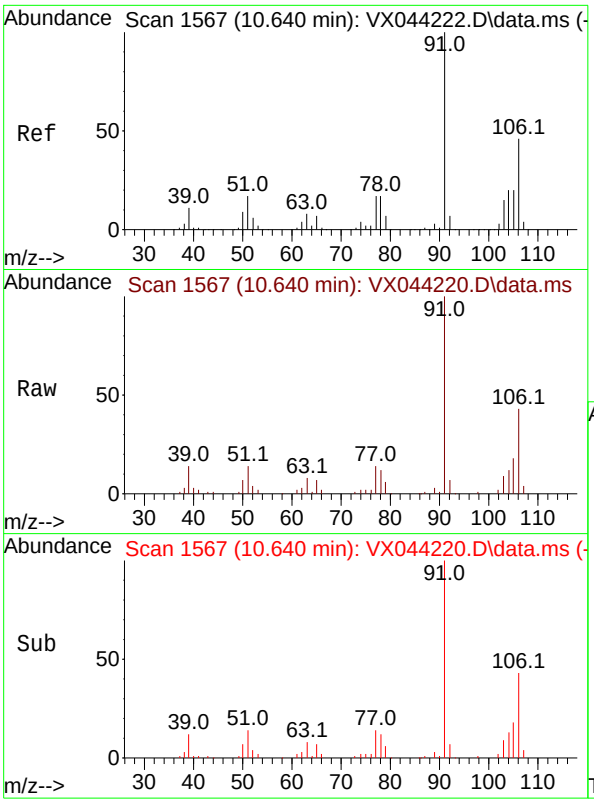


#68
m/p-Xylenes
Concen: 9.720 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:106 Resp: 28758

Ion	Ratio	Lower	Upper
106	100		
91	210.2	170.2	255.2



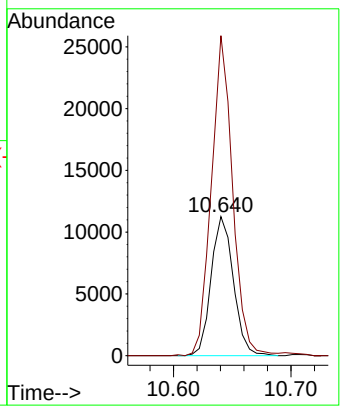


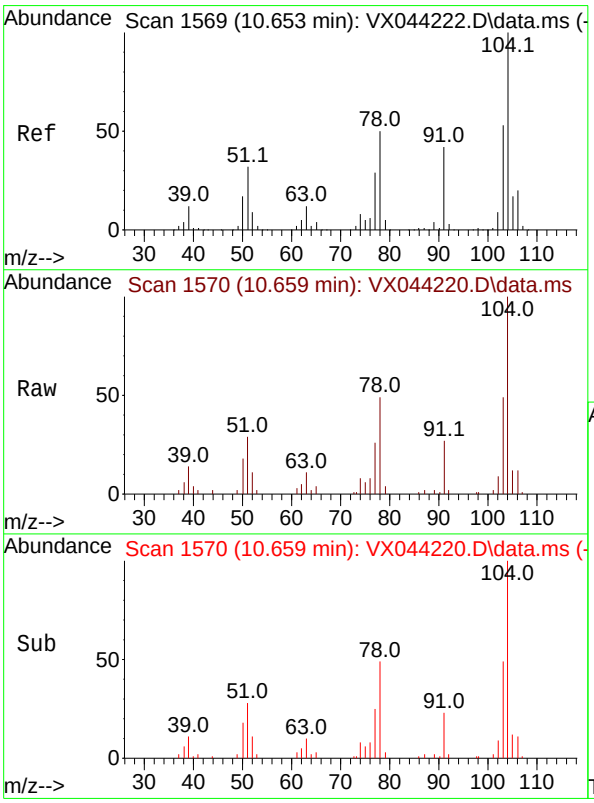
#69
o-Xylene
Concen: 4.965 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 14864

Ion	Ratio	Lower	Upper
106	100		
91	219.3	112.3	337.0

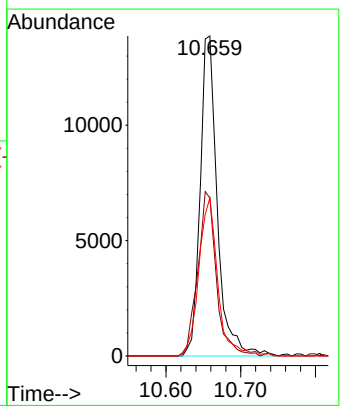


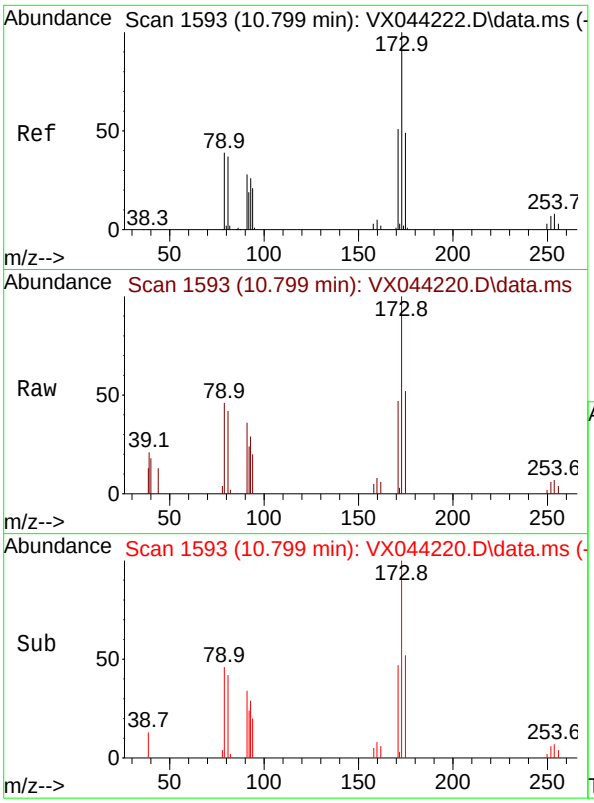


#70
Styrene
Concen: 4.624 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:104 Resp: 22191

Ion	Ratio	Lower	Upper
104	100		
78	55.5	44.6	67.0
103	54.6	45.4	68.0



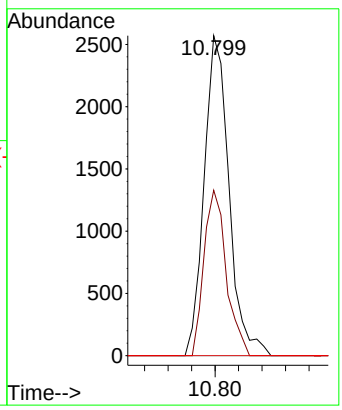


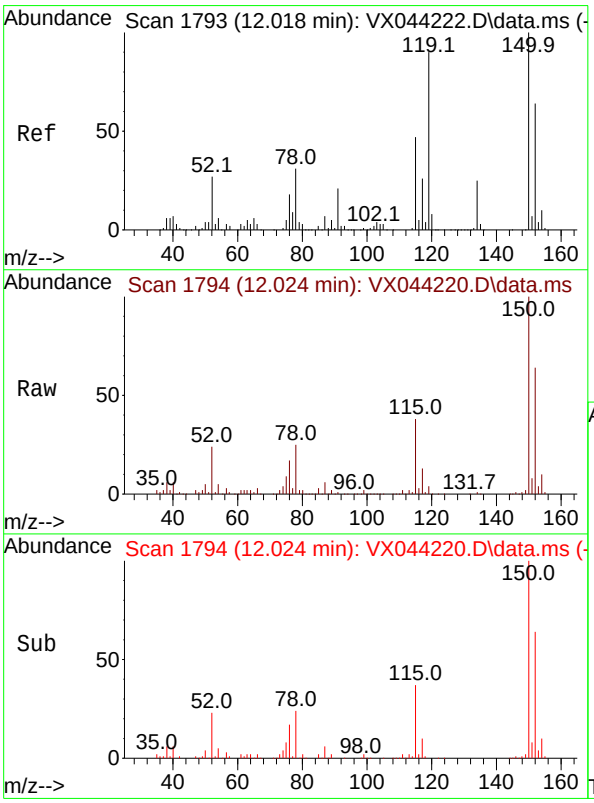
#71
Bromoform
Concen: 5.118 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 3775

Ion	Ratio	Lower	Upper
173	100		
175	46.3	23.8	71.4
254	0.0	0.0	0.0

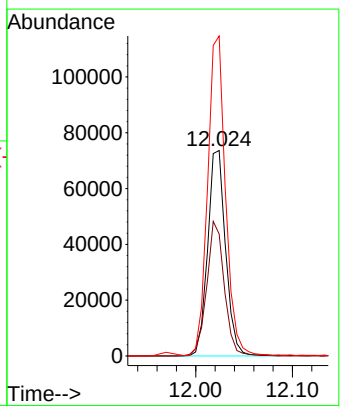


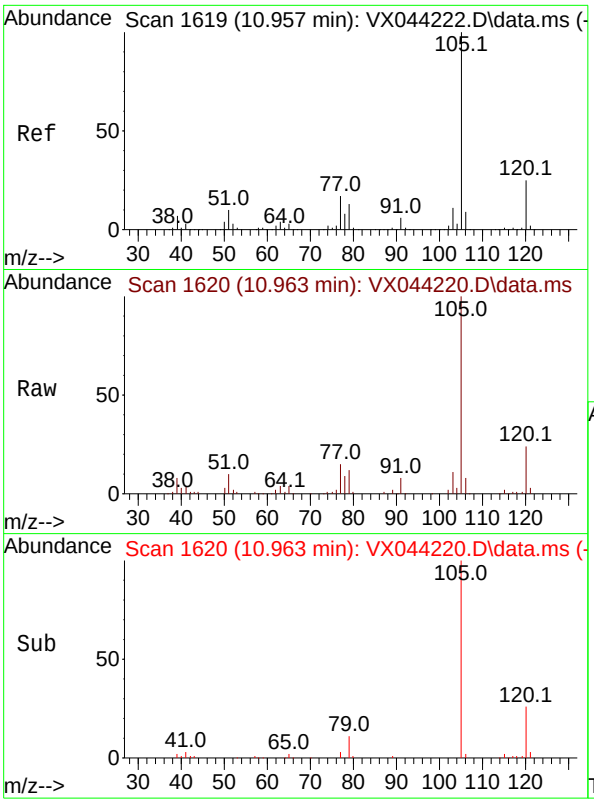


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:152 Resp: 95175

Ion	Ratio	Lower	Upper
152	100		
115	64.2	44.5	133.3
150	154.3	0.0	353.8



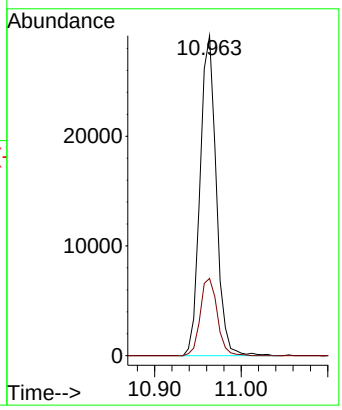


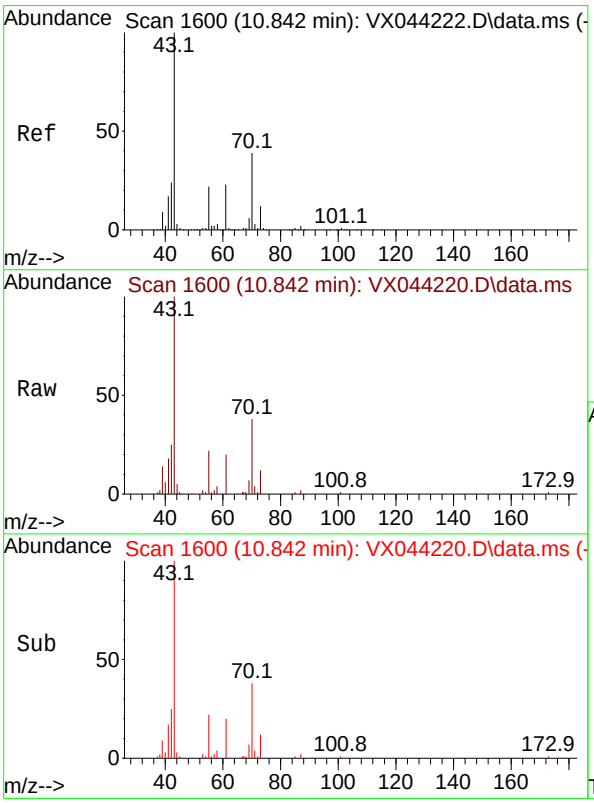
#73
Isopropylbenzene
Concen: 5.194 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 37843

Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.1	39.3

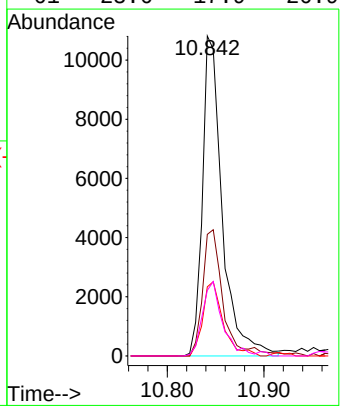


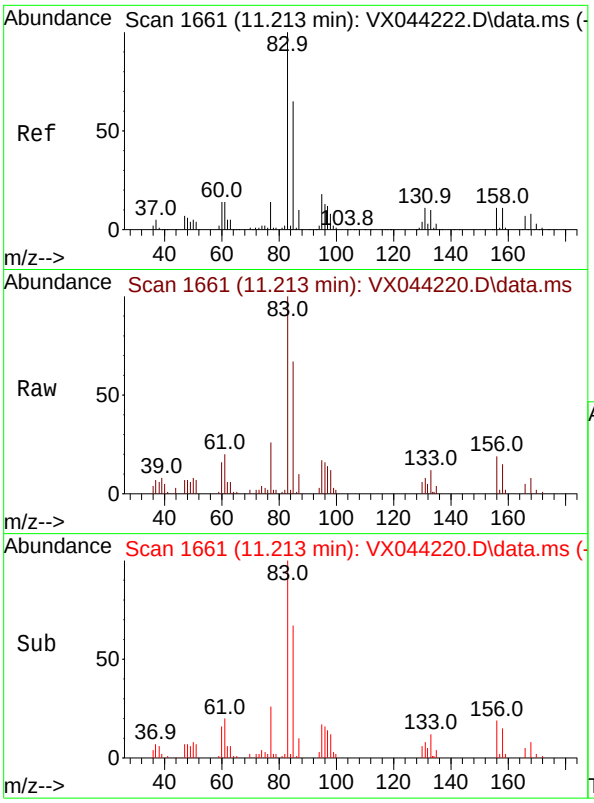


#74
N-amyl acetate
Concen: 4.579 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 43 Resp: 15418

Ion	Ratio	Lower	Upper
43	100		
70	41.2	31.9	47.9
55	23.7	17.9	26.9
61	23.6	17.9	26.9



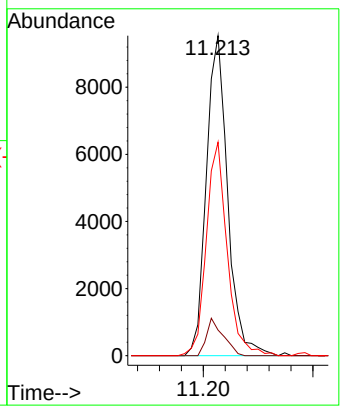


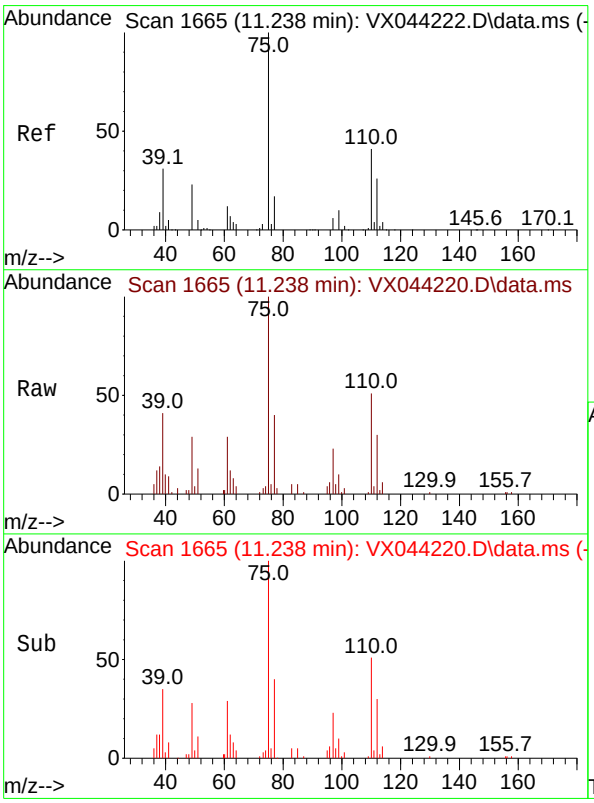
#75
1,1,2,2-Tetrachloroethane
Concen: 5.077 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 12848

Ion	Ratio	Lower	Upper
83	100		
131	9.1	5.1	15.4
85	65.3	32.5	97.4

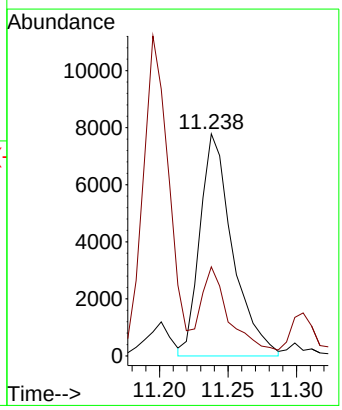


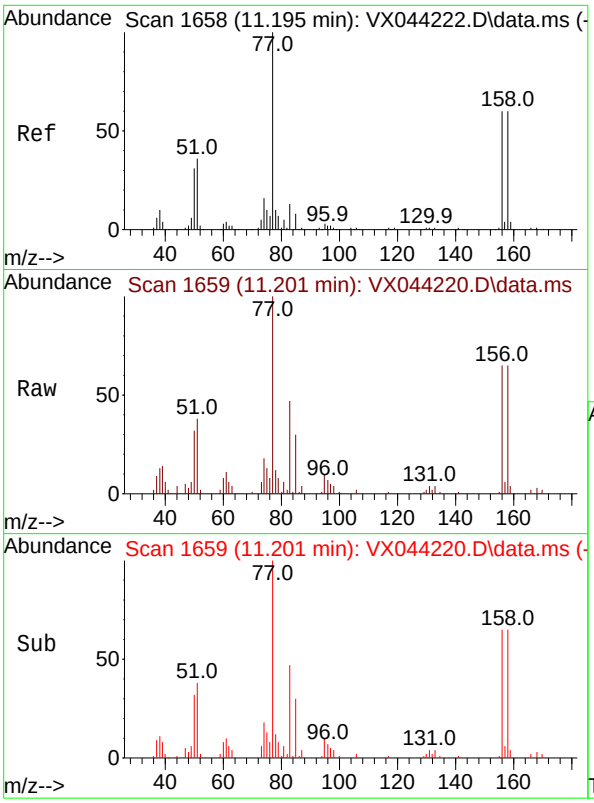


#76
1,2,3-Trichloropropane
Concen: 5.974 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 75 Resp: 12901

Ion	Ratio	Lower	Upper
75	100		
77	36.0	20.9	62.7



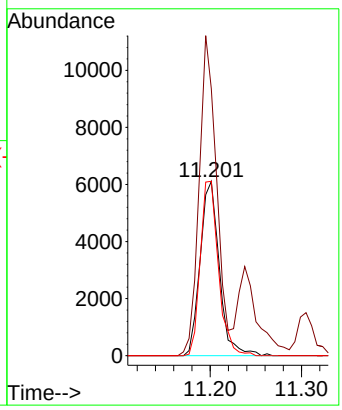


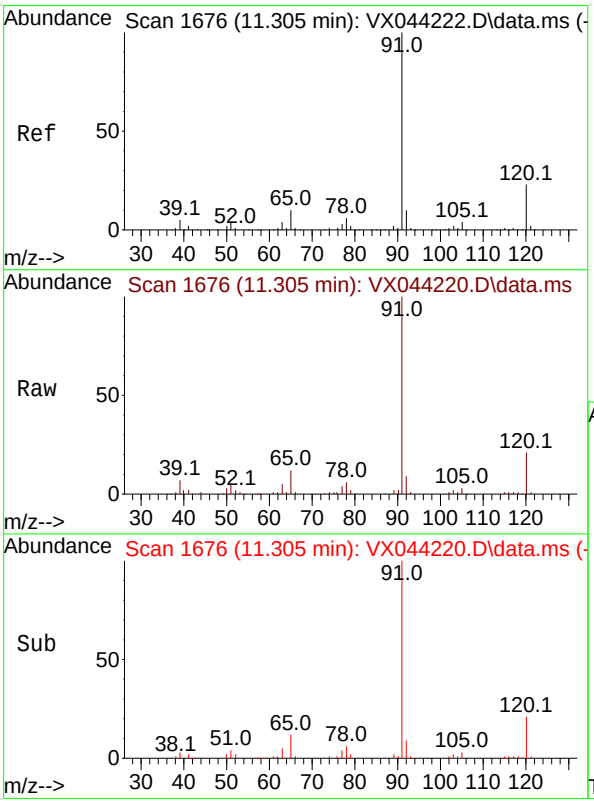
#77
Bromobenzene
Concen: 5.033 ug/l
RT: 11.201 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 8892

Ion	Ratio	Lower	Upper
156	100		
77	165.4	82.6	247.8
158	94.7	48.8	146.4

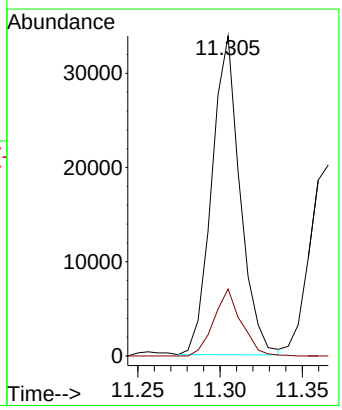


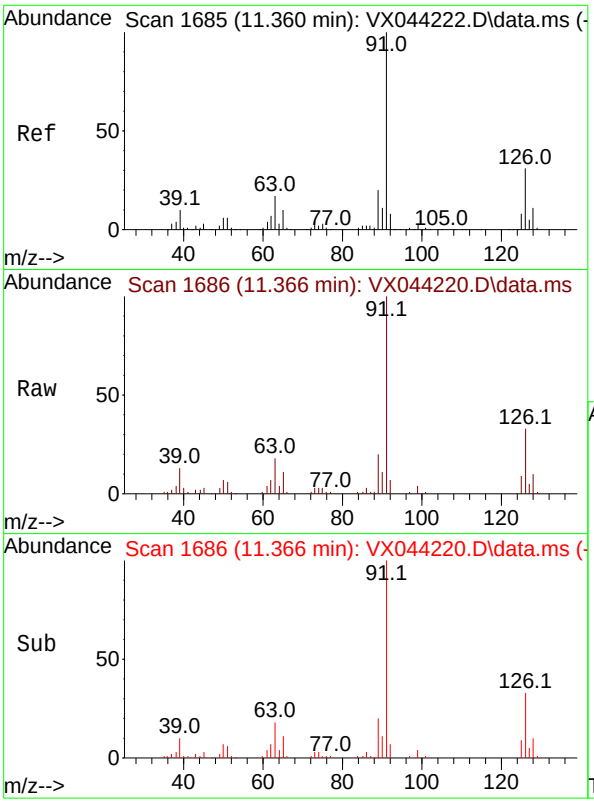


#78
n-propylbenzene
Concen: 5.038 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 91 Resp: 40574

Ion	Ratio	Lower	Upper
91	100		
120	20.3	11.0	33.0



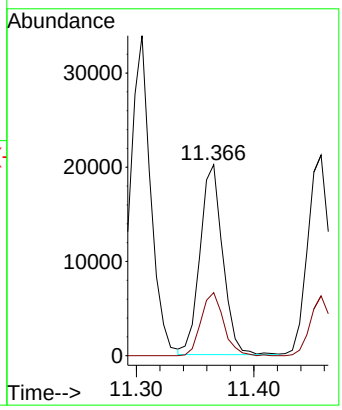


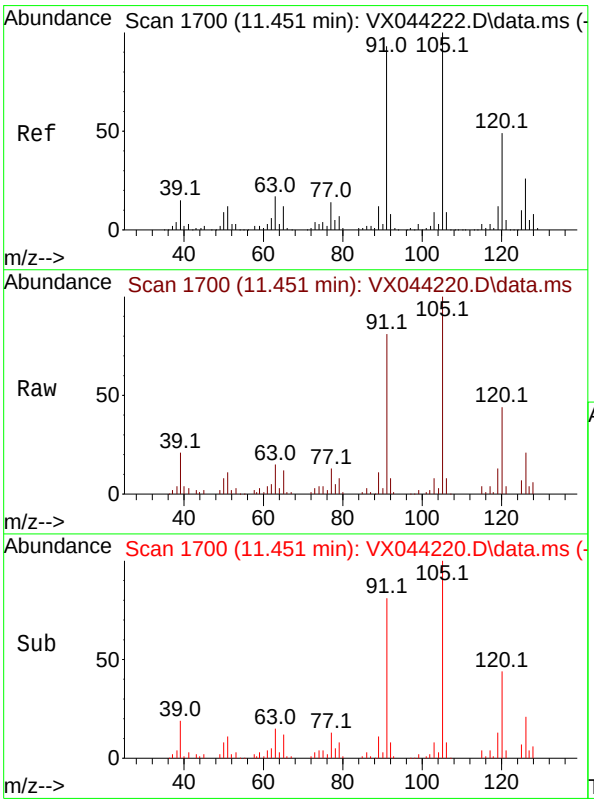
#79
2-Chlorotoluene
Concen: 5.203 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 27096

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.1

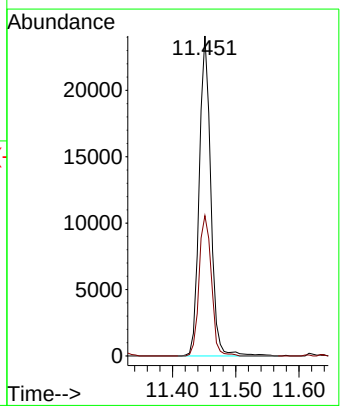


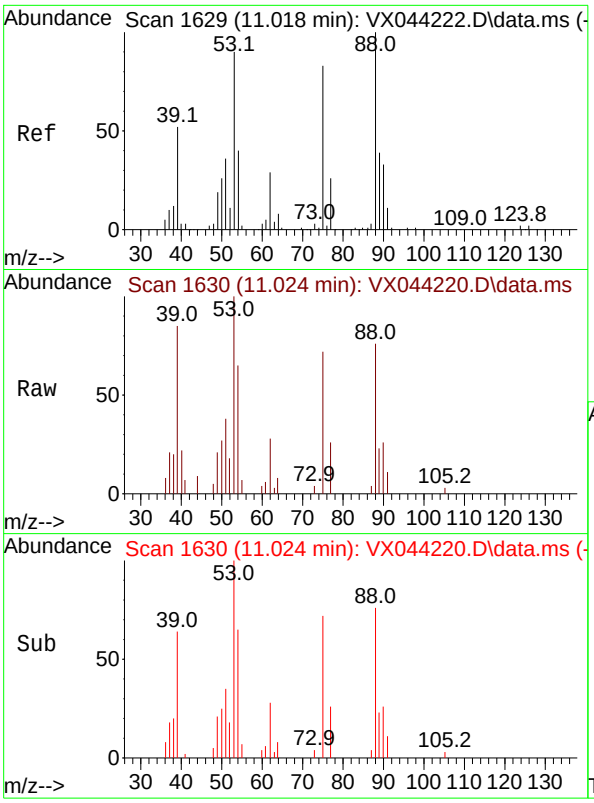


#80
1,3,5-Trimethylbenzene
Concen: 5.075 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:105 Resp: 30665

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.8	71.4



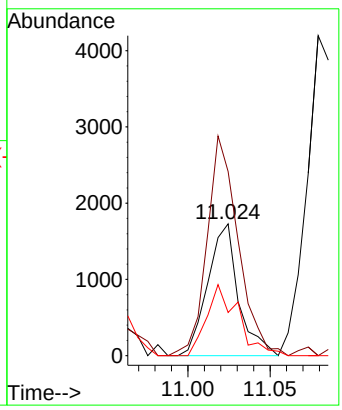


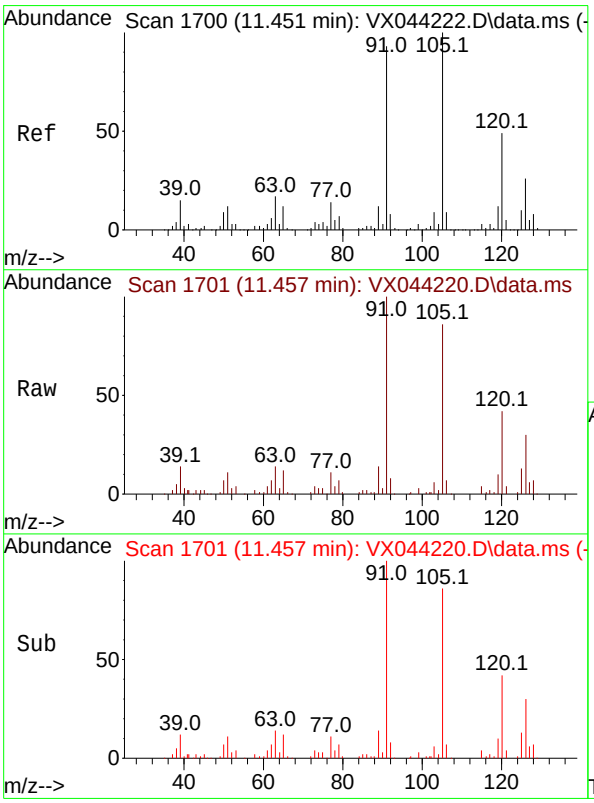
#81
trans-1,4-Dichloro-2-butene
Concen: 8.273 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 2249

Ion	Ratio	Lower	Upper
75	100		
53	168.9	93.6	140.4#
89	55.5	37.3	55.9

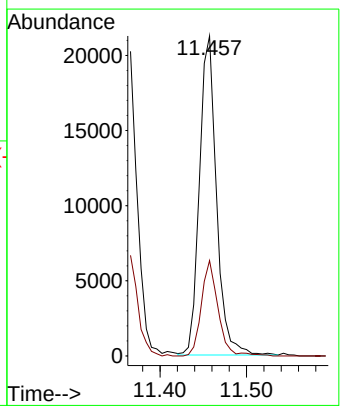


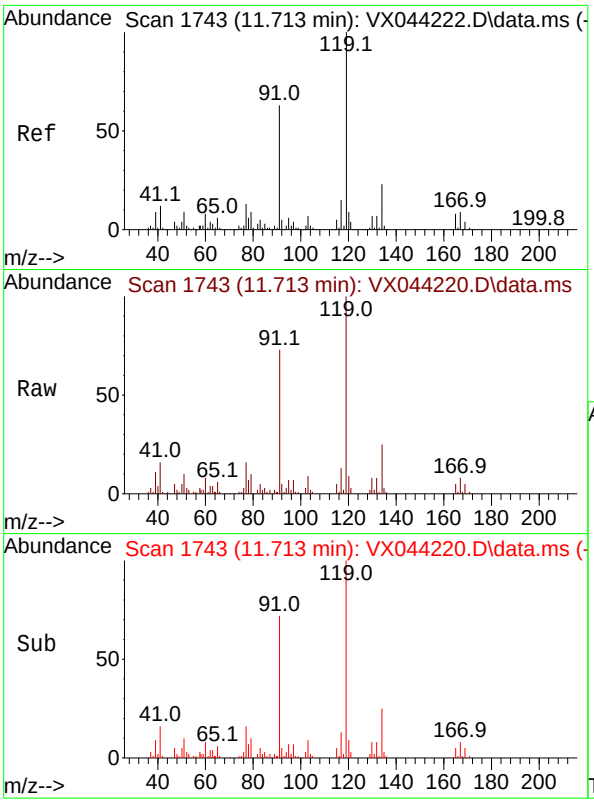


#82
4-Chlorotoluene
Concen: 5.035 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 91 Resp: 29039

Ion	Ratio	Lower	Upper
91	100		
126	29.3	14.5	43.5



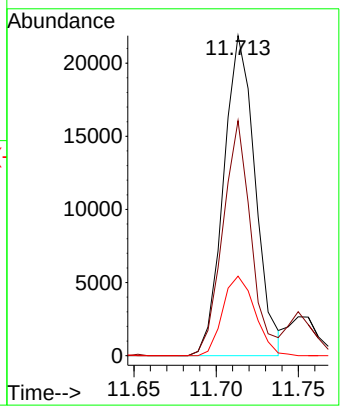


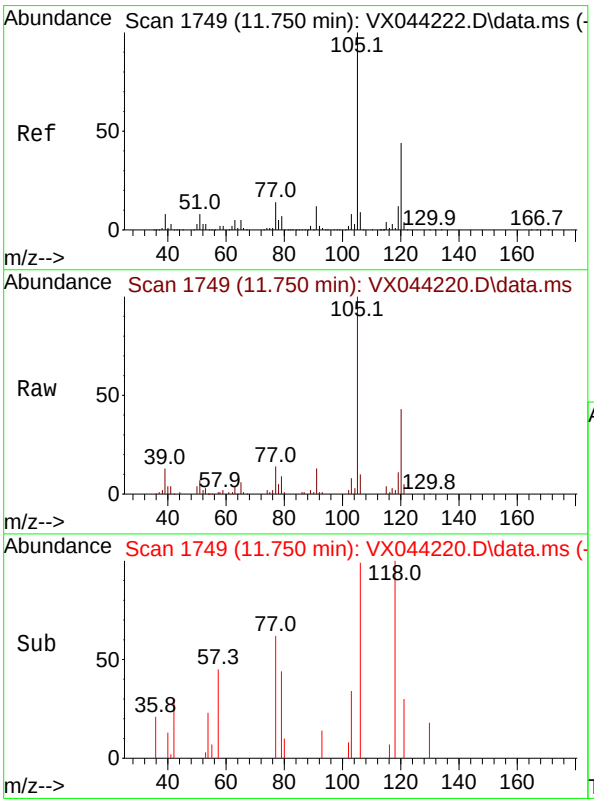
#83
tert-Butylbenzene
Concen: 4.904 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 29283

Ion	Ratio	Lower	Upper
119	100		
91	65.9	30.9	92.5
134	25.3	11.5	34.4

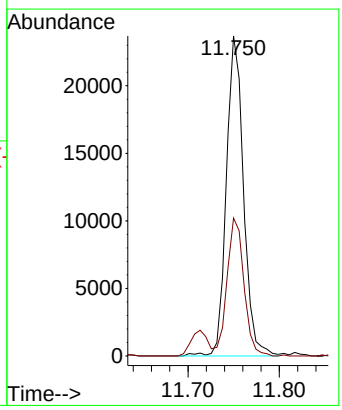


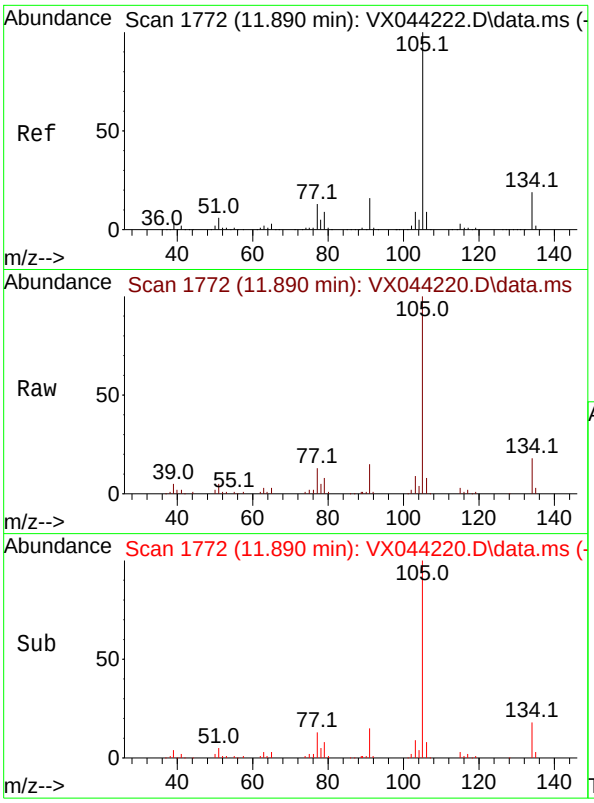


#84
1,2,4-Trimethylbenzene
Concen: 5.219 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:105 Resp: 30970

Ion	Ratio	Lower	Upper
105	100		
120	42.6	21.7	65.1



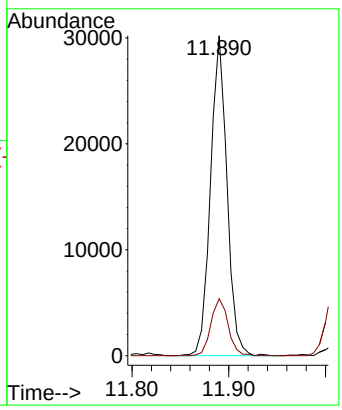


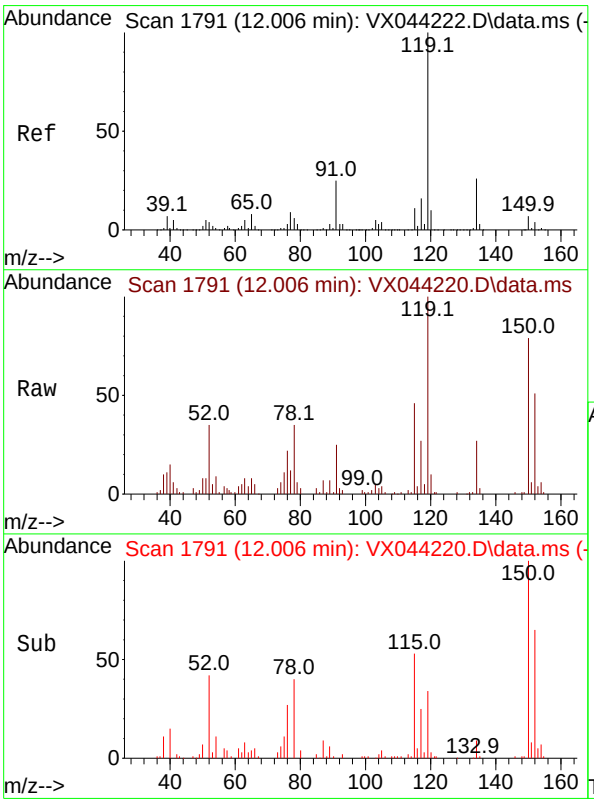
#85
sec-Butylbenzene
Concen: 4.921 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 35670

Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.8	29.4

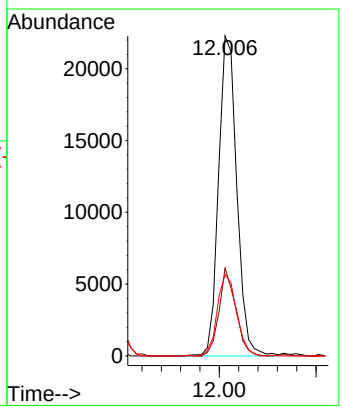


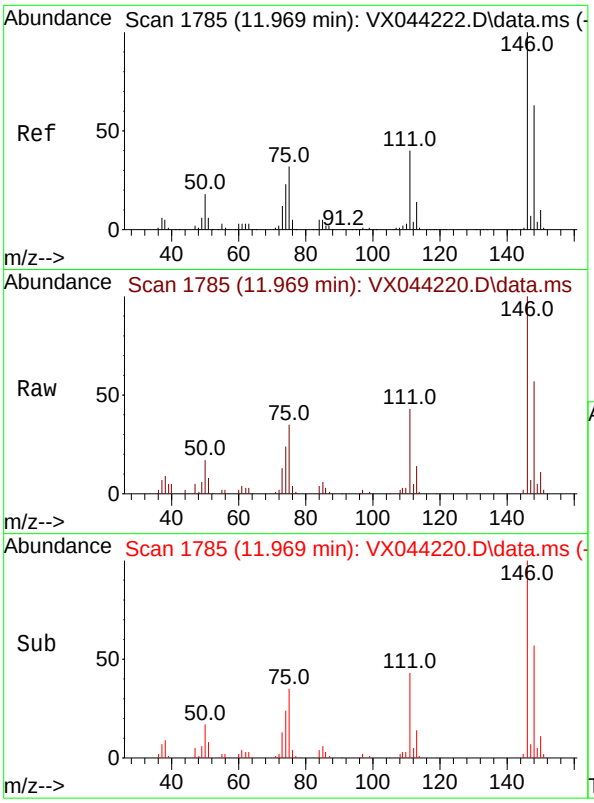


#86
p-Isopropyltoluene
Concen: 4.828 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:119 Resp: 29132

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.8	38.4
91	26.9	13.0	39.0



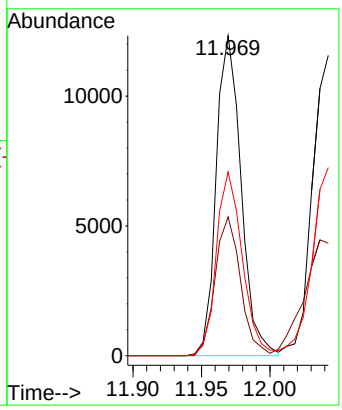


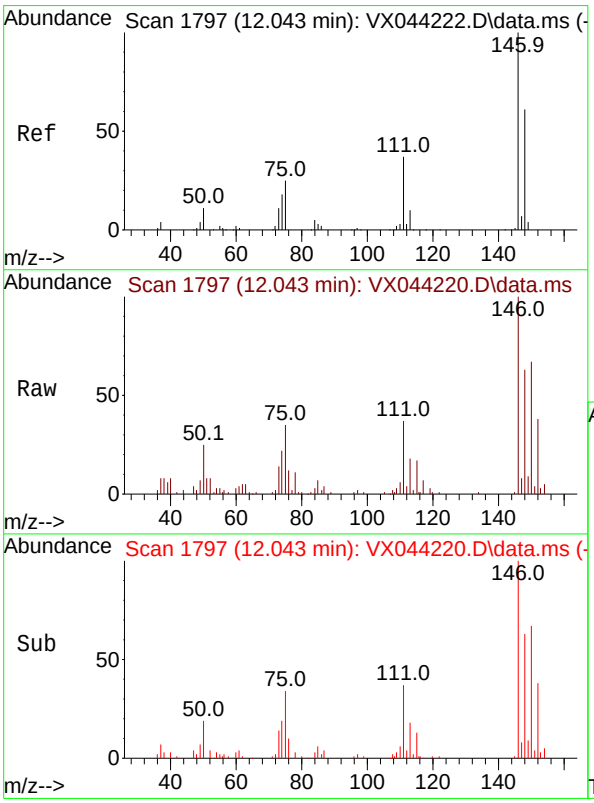
#87
1,3-Dichlorobenzene
Concen: 5.039 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 15553

Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.4	64.2
148	60.1	31.7	95.1

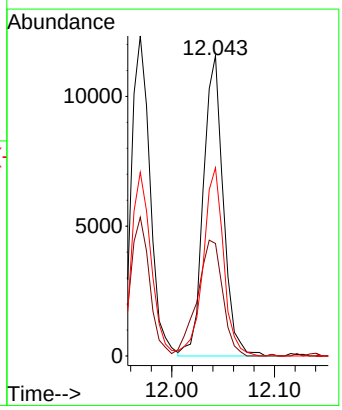


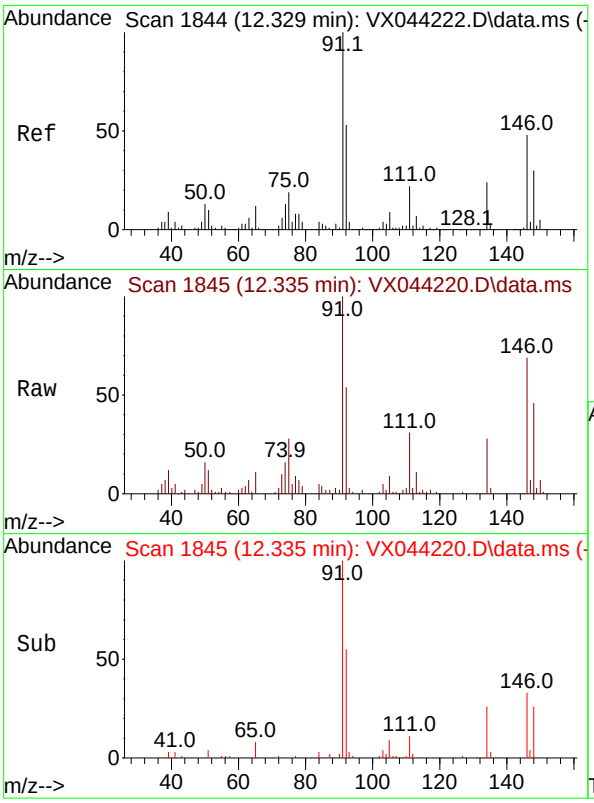


#88
1,4-Dichlorobenzene
Concen: 4.920 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:146 Resp: 15609

Ion	Ratio	Lower	Upper
146	100		
111	49.5	21.0	63.0
148	64.1	32.3	96.8



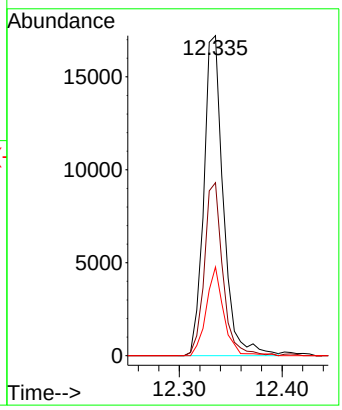


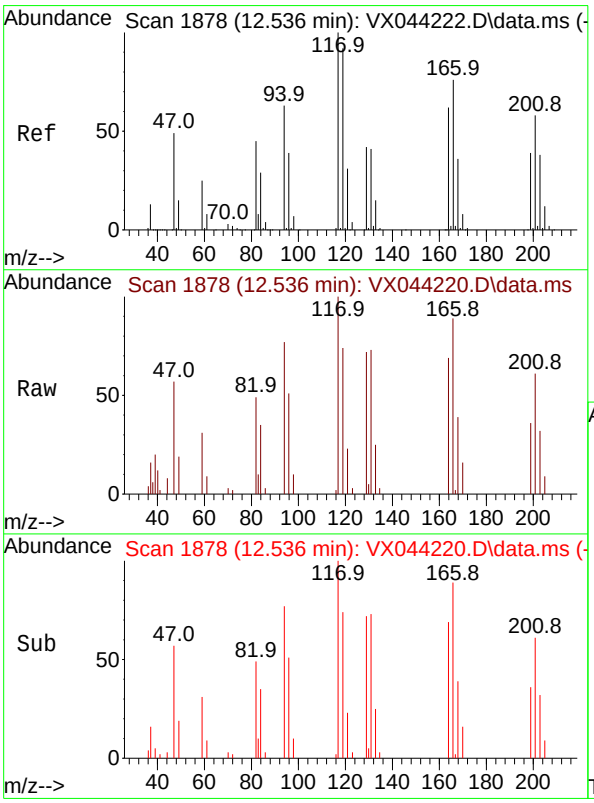
#89
n-Butylbenzene
Concen: 4.478 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 22719

Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.6	79.7
134	24.9	12.6	37.8

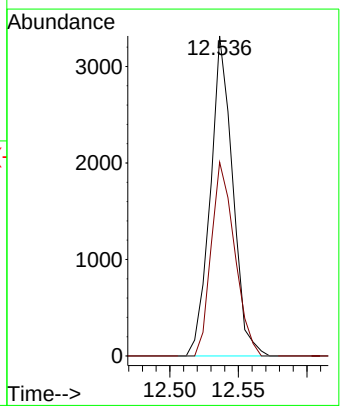


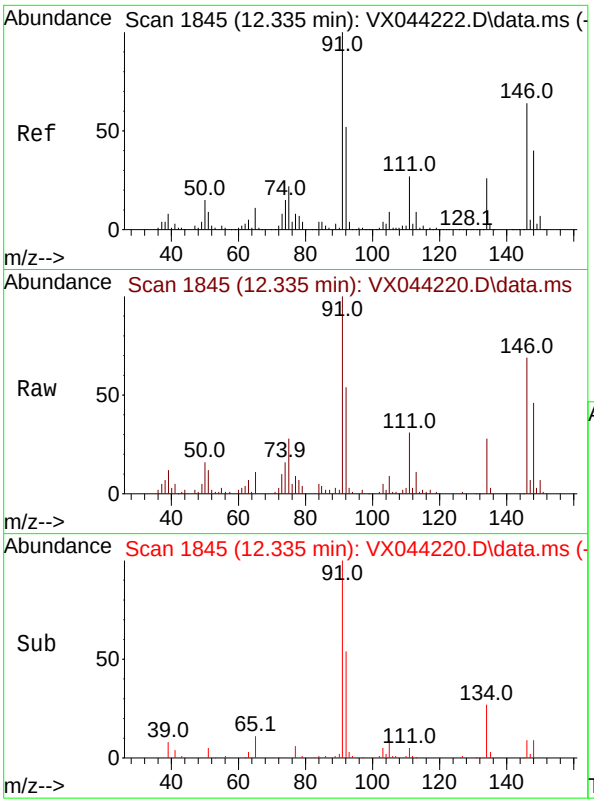


#90
Hexachloroethane
Concen: 4.275 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:117 Resp: 3765

Ion	Ratio	Lower	Upper
117	100		
201	63.5	31.4	94.2



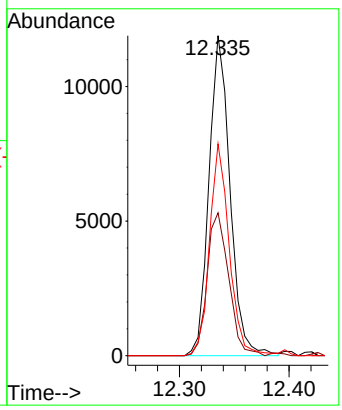


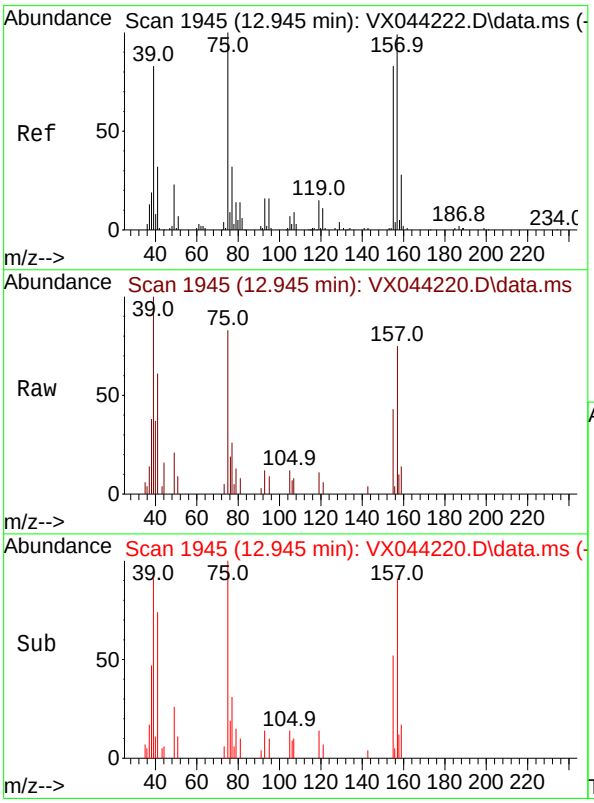
#91
1,2-Dichlorobenzene
Concen: 4.949 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 15858

Ion	Ratio	Lower	Upper
146	100		
111	45.8	21.4	64.3
148	62.1	31.6	95.0

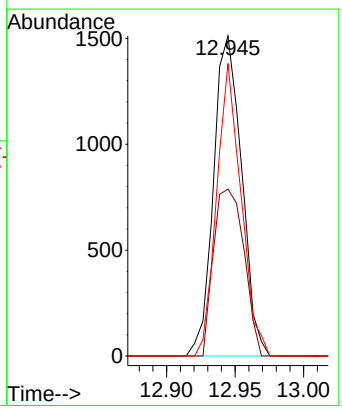


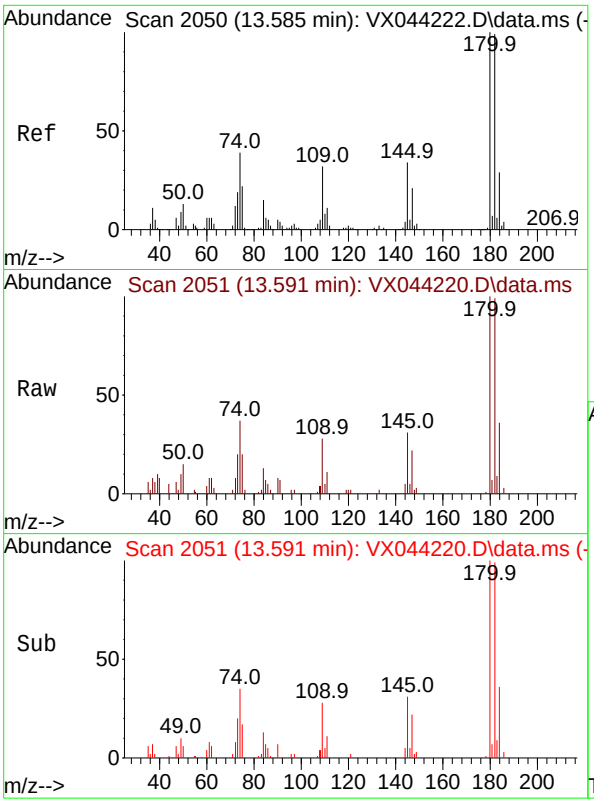


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.385 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion: 75 Resp: 2154

Ion	Ratio	Lower	Upper
75	100		
155	56.5	38.1	114.3
157	79.4	47.2	141.6



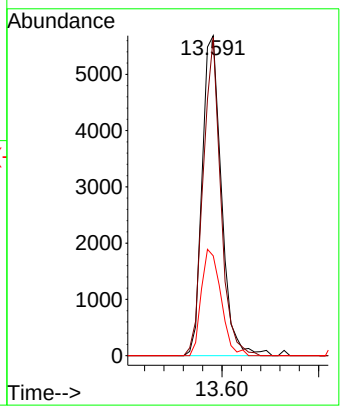


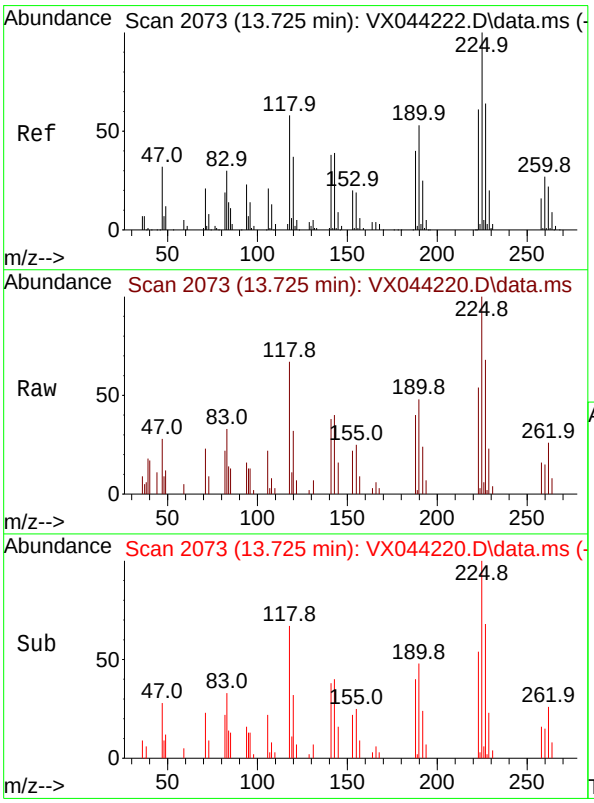
#93
1,2,4-Trichlorobenzene
Concen: 4.478 ug/l
RT: 13.591 min Scan# 2(
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 7867

Ion	Ratio	Lower	Upper
180	100		
182	90.8	48.0	144.2
145	33.9	16.6	49.7

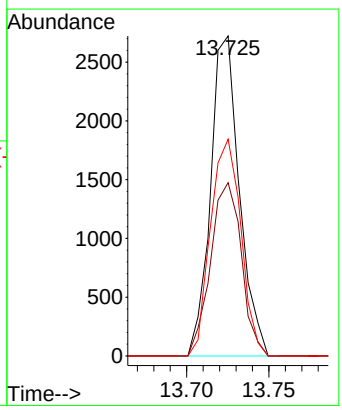


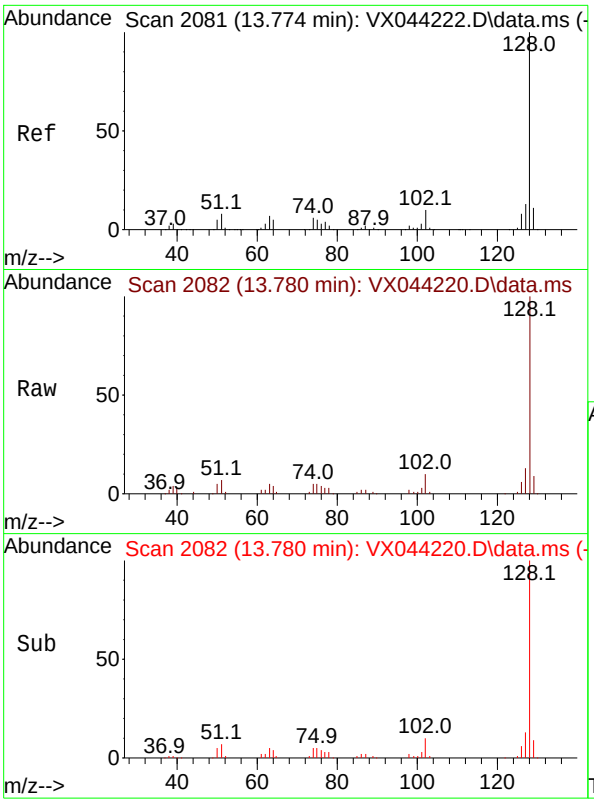


#94
Hexachlorobutadiene
Concen: 4.700 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:225 Resp: 3321

Ion	Ratio	Lower	Upper
225	100		
223	57.9	30.8	92.4
227	71.2	32.1	96.3



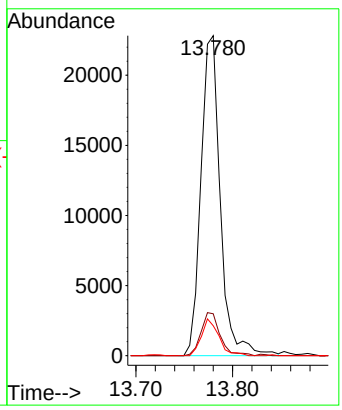


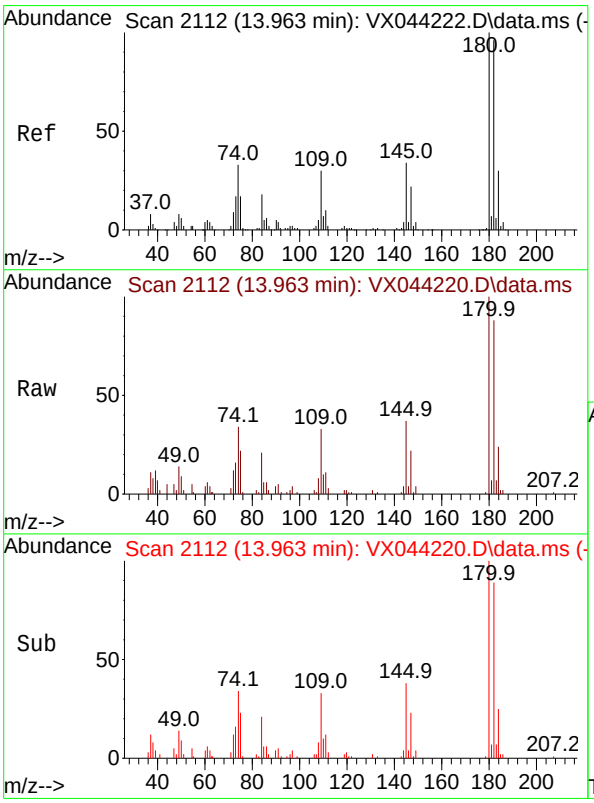
#95
Naphthalene
Concen: 4.643 ug/l
RT: 13.780 min Scan# 2(
Delta R.T. 0.006 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 31842

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.3	9.0	13.4

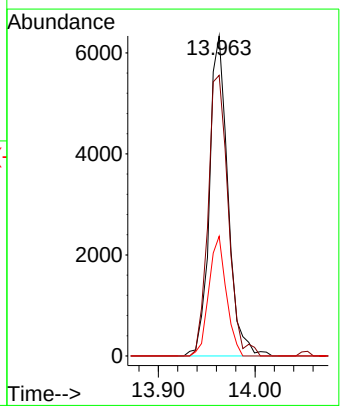




#96
1,2,3-Trichlorobenzene
Concen: 4.520 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044220.D
Acq: 11 Dec 2024 11:27

Tgt Ion:180 Resp: 8422

Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.0	144.0
145	35.2	17.7	53.1



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044221.D
Acq On : 11 Dec 2024 11:50
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Dec 12 04:14:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.550	168	134436	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	254199	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218148	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98180	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.952	65	41821	17.743 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	35.480%#	
35) Dibromofluoromethane	5.391	113	30304	17.213 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	34.420%#	
50) Toluene-d8	8.647	98	102660	17.284 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	34.560%#	
62) 4-Bromofluorobenzene	11.079	95	35645	17.175 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	34.340%#	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.166	85	38748	18.640 ug/l	90
3) Chloromethane	1.294	50	39546	19.894 ug/l	100
4) Vinyl Chloride	1.374	62	42048	20.304 ug/l	97
5) Bromomethane	1.593	94	27604	18.789 ug/l	94
6) Chloroethane	1.666	64	27673	21.460 ug/l	94
7) Trichlorofluoromethane	1.867	101	81398	20.077 ug/l	99
8) Diethyl Ether	2.136	74	25884	18.704 ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	31846	19.412 ug/l	99
10) Methyl Iodide	2.441	142	42786	19.788 ug/l	99
11) Tert butyl alcohol	3.001	59	32189	97.050 ug/l	99
12) 1,1-Dichloroethene	2.306	96	29241	19.405 ug/l	92
13) Acrolein	2.239	56	43909	91.311 ug/l	97
14) Allyl chloride	2.654	41	47218	18.813 ug/l	98
15) Acrylonitrile	3.068	53	89249	96.988 ug/l	99
16) Acetone	2.392	43	88985	92.601 ug/l	95
17) Carbon Disulfide	2.502	76	50399	17.595 ug/l	98
18) Methyl Acetate	2.709	43	47509	19.175 ug/l	100
19) Methyl tert-butyl Ether	3.117	73	114371	19.450 ug/l	100
20) Methylene Chloride	2.782	84	35820	19.846 ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	31036	19.380 ug/l	97
22) Diisopropyl ether	3.764	45	112511	19.907 ug/l	94
23) Vinyl Acetate	3.721	43	465716	101.354 ug/l	100
24) 1,1-Dichloroethane	3.605	63	62059	19.699 ug/l	98
25) 2-Butanone	4.568	43	136992	100.277 ug/l	99
26) 2,2-Dichloropropane	4.471	77	51431	20.095 ug/l #	74
27) cis-1,2-Dichloroethene	4.477	96	39161	19.254 ug/l	99
28) Bromochloromethane	4.891	49	30977	20.052 ug/l	95
29) Tetrahydrofuran	5.013	42	86235	98.343 ug/l	99
30) Chloroform	5.093	83	68410	19.327 ug/l	97
31) Cyclohexane	5.458	56	51773	20.351 ug/l	93
32) 1,1,1-Trichloroethane	5.373	97	57900	19.706 ug/l	99
36) 1,1-Dichloropropene	5.690	75	42878	18.841 ug/l	99
37) Ethyl Acetate	4.727	43	56019	19.913 ug/l	99
38) Carbon Tetrachloride	5.672	117	43901	17.918 ug/l	92
39) Methylcyclohexane	7.379	83	53536	19.678 ug/l	97
40) Benzene	6.031	78	135467	19.606 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044221.D
Acq On : 11 Dec 2024 11:50
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Dec 12 04:14:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	28523	19.095 ug/l	94
42) 1,2-Dichloroethane	6.086	62	55377	19.456 ug/l	98
43) Isopropyl Acetate	6.342	43	84866	19.301 ug/l	100
44) Trichloroethene	7.123	130	32995	19.149 ug/l	96
45) 1,2-Dichloropropane	7.427	63	33585	19.025 ug/l	97
46) Dibromomethane	7.580	93	26293	19.199 ug/l	99
47) Bromodichloromethane	7.818	83	44312	18.735 ug/l	99
48) Methyl methacrylate	7.696	41	40620	19.032 ug/l	98
49) 1,4-Dioxane	7.671	88	9801	268.697 ug/l #	71
51) 4-Methyl-2-Pentanone	8.574	43	278267	98.429 ug/l	100
52) Toluene	8.714	92	82934	19.113 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	44614	18.785 ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	49596	19.258 ug/l	91
55) 1,1,2-Trichloroethane	9.147	97	34013	19.732 ug/l	98
56) Ethyl methacrylate	9.116	69	52571	19.318 ug/l	99
57) 1,3-Dichloropropane	9.305	76	59489	19.827 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	129900	94.642 ug/l	100
59) 2-Hexanone	9.433	43	207578	101.440 ug/l	99
60) Dibromochloromethane	9.519	129	31066	18.318 ug/l	97
61) 1,2-Dibromoethane	9.610	107	34978	19.935 ug/l	98
64) Tetrachloroethene	9.275	164	27702	19.133 ug/l	97
65) Chlorobenzene	10.079	112	90631	19.389 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	29132	19.392 ug/l	99
67) Ethyl Benzene	10.195	91	158455	19.619 ug/l	98
68) m/p-Xylenes	10.299	106	116126	39.183 ug/l	98
69) o-Xylene	10.640	106	59787	19.938 ug/l	99
70) Styrene	10.653	104	95883	19.946 ug/l	98
71) Bromoform	10.799	173	16924	18.112 ug/l #	96
73) Isopropylbenzene	10.963	105	153935	20.481 ug/l	98
74) N-amyl acetate	10.842	43	69643	20.049 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	52312	20.039 ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	55384	24.859 ug/l	86
77) Bromobenzene	11.195	156	34951	19.176 ug/l	98
78) n-propylbenzene	11.305	91	169622	20.419 ug/l	100
79) 2-Chlorotoluene	11.366	91	106310	19.788 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	126626	20.315 ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	11784	19.264 ug/l	90
82) 4-Chlorotoluene	11.451	91	118309	19.886 ug/l	100
83) tert-Butylbenzene	11.713	119	121929	19.794 ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	125939	20.574 ug/l	99
85) sec-Butylbenzene	11.890	105	150795	20.165 ug/l	99
86) p-Isopropyltoluene	12.006	119	127790	20.532 ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	64399	20.228 ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	64106	19.588 ug/l	99
89) n-Butylbenzene	12.329	91	104410	19.950 ug/l	99
90) Hexachloroethane	12.536	117	15939	17.543 ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	65511	19.817 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9468	18.683 ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	35001	19.313 ug/l	99
94) Hexachlorobutadiene	13.725	225	14415	19.774 ug/l	97
95) Naphthalene	13.774	128	142515	20.146 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	38639	20.101 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044221.D
Acq On : 11 Dec 2024 11:50
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Dec 12 04:14:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

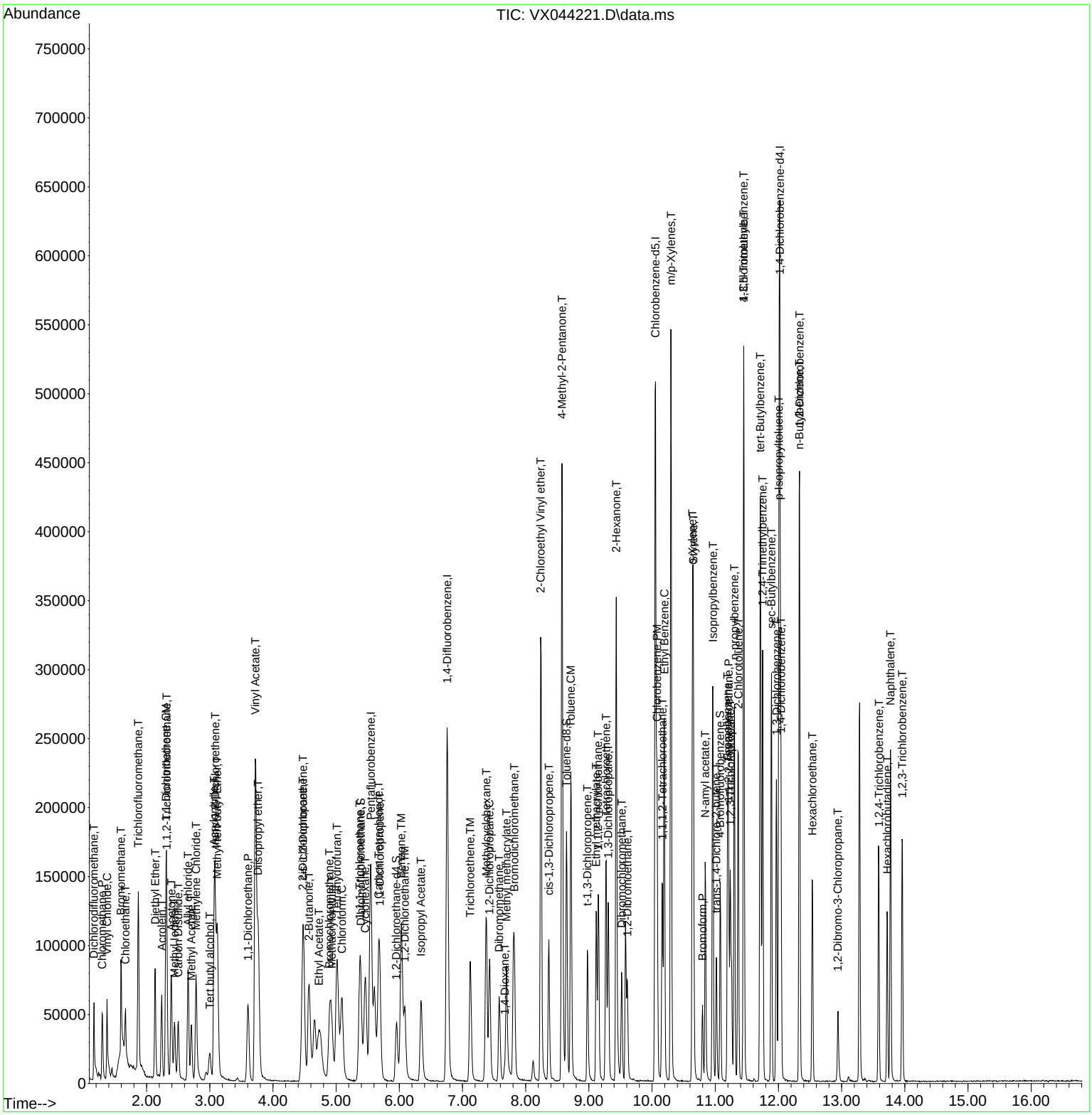
(#) = qualifier out of range (m) = manual integration (+) = signals summed

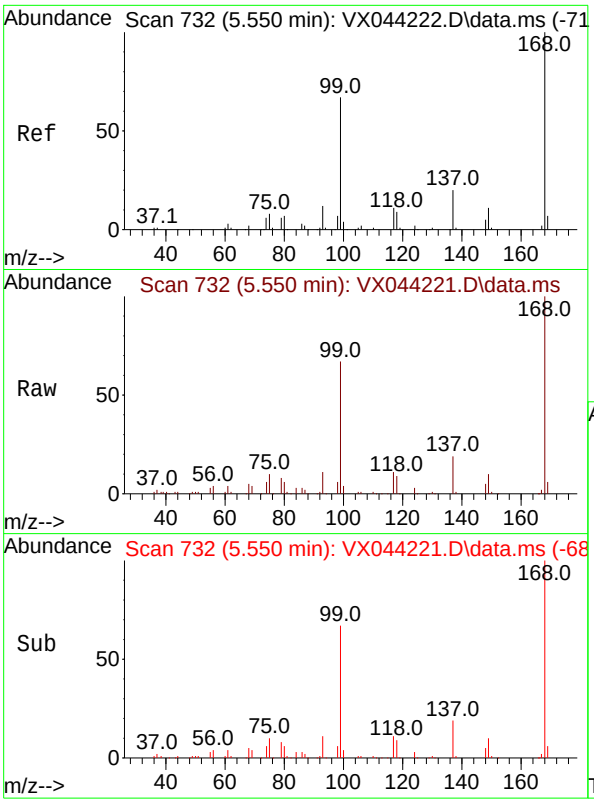
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044221.D
Acq On : 11 Dec 2024 11:50
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Dec 12 04:14:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration



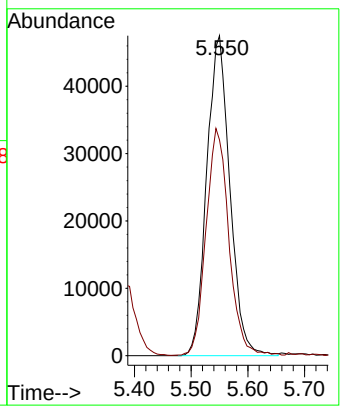


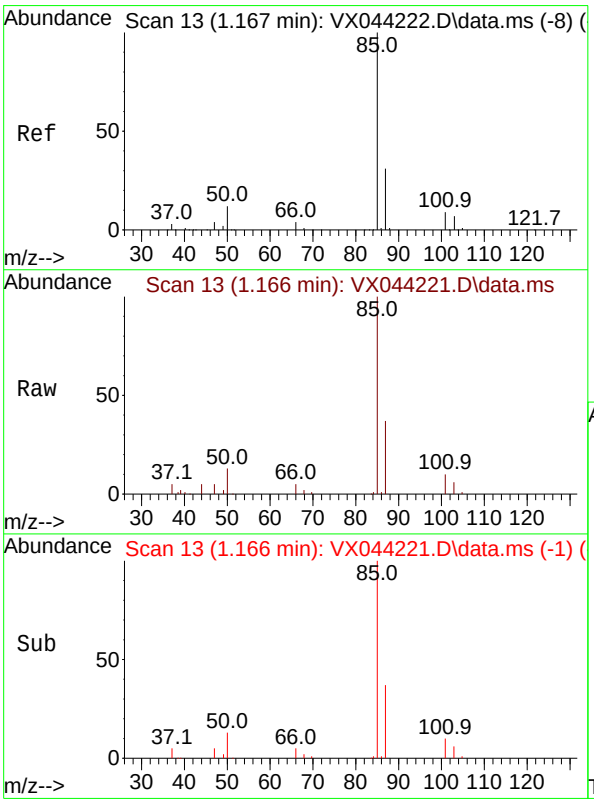
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 134436

Ion	Ratio	Lower	Upper
168	100		
99	67.2	53.4	80.0

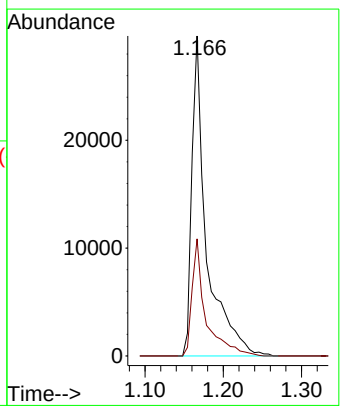


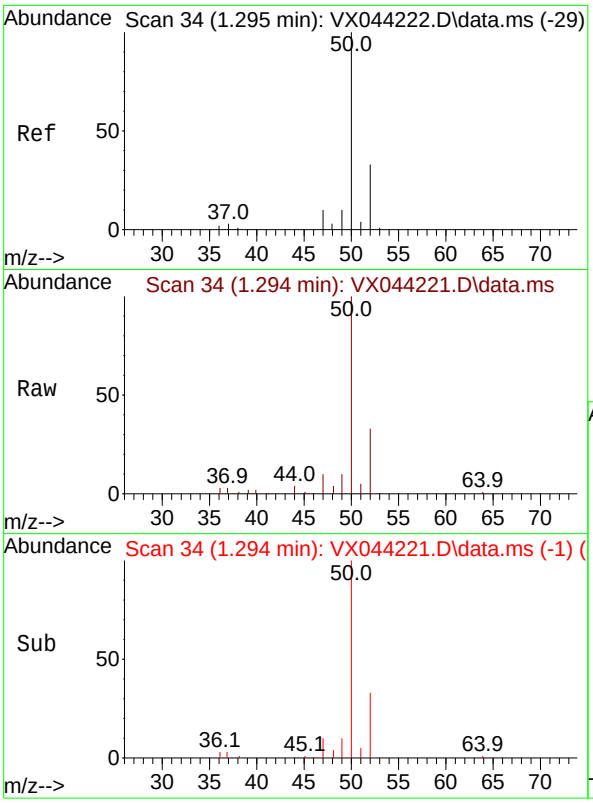


#2
Dichlorodifluoromethane
Concen: 18.640 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 85 Resp: 38748

Ion	Ratio	Lower	Upper
85	100		
87	36.6	15.4	46.4



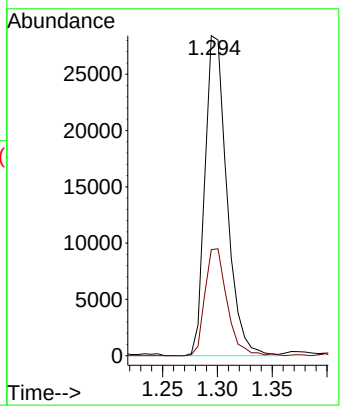


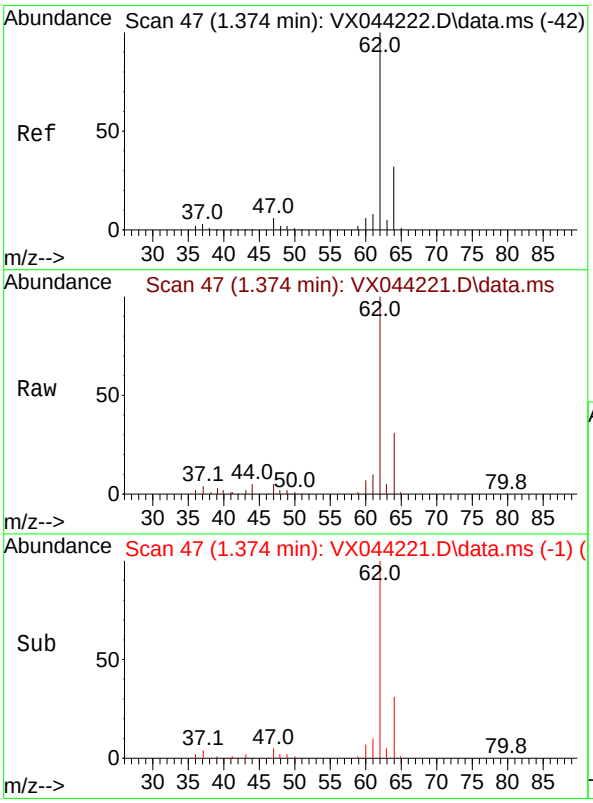
#3
Chloromethane
Concen: 19.894 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 39546

Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.5	39.7

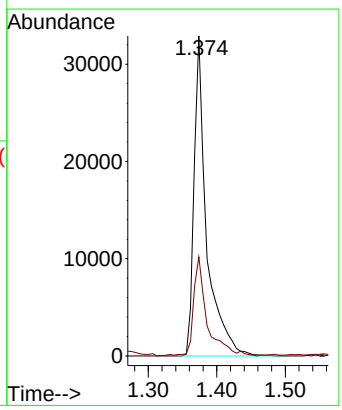


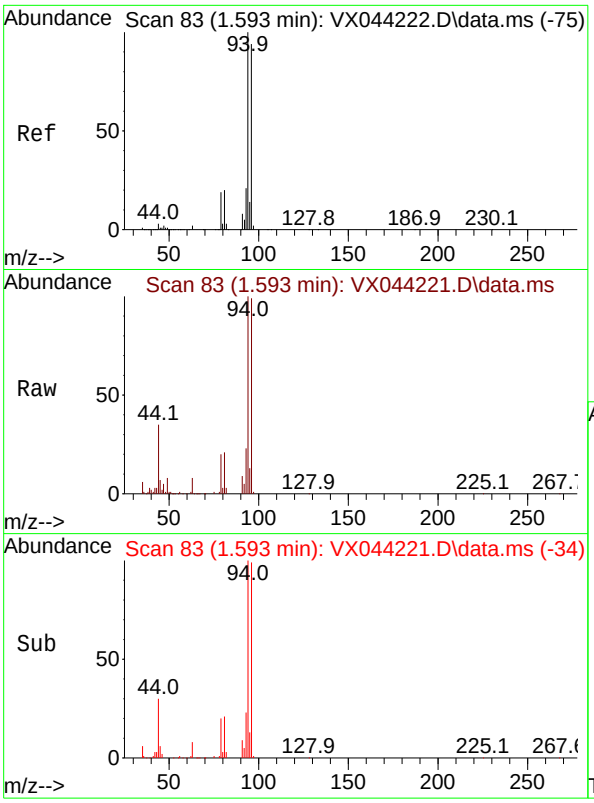


#4
Vinyl Chloride
Concen: 20.304 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 62 Resp: 42048

Ion	Ratio	Lower	Upper
62	100		
64	30.6	25.7	38.5



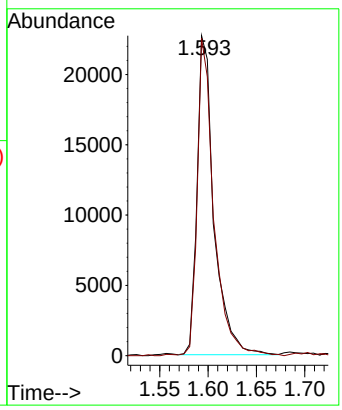


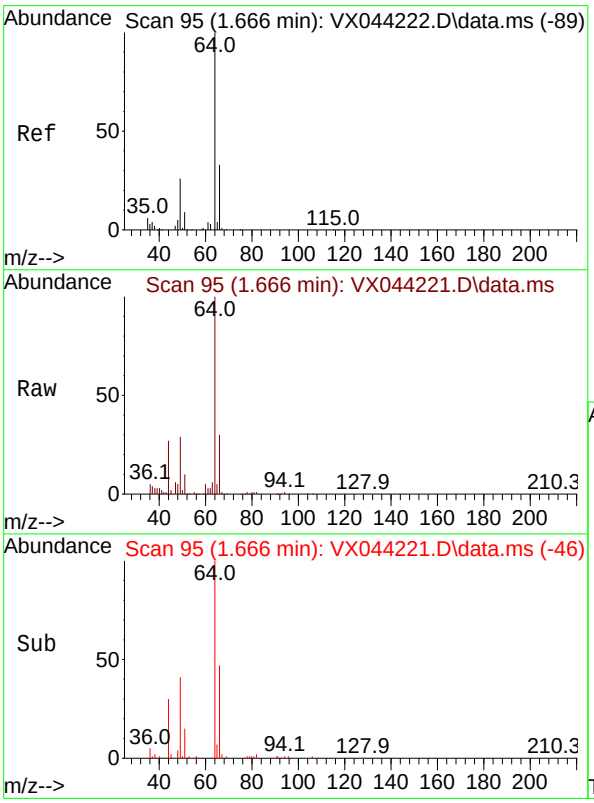
#5
Bromomethane
Concen: 18.789 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 27604

Ion	Ratio	Lower	Upper
94	100		
96	99.2	74.9	112.3

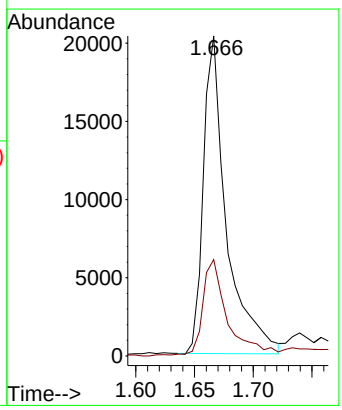


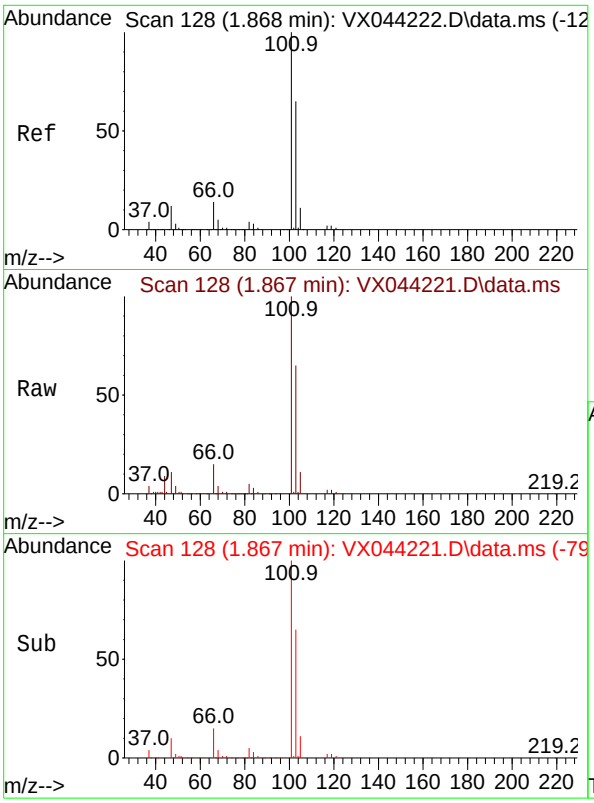


#6
Chloroethane
Concen: 21.460 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 64 Resp: 27673

Ion	Ratio	Lower	Upper
64	100		
66	29.8	26.6	39.8



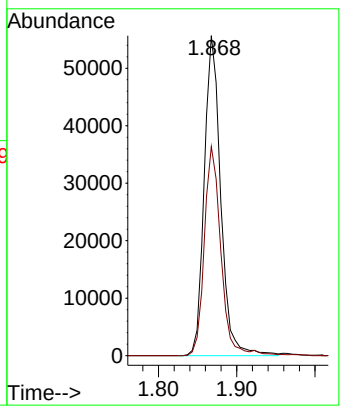


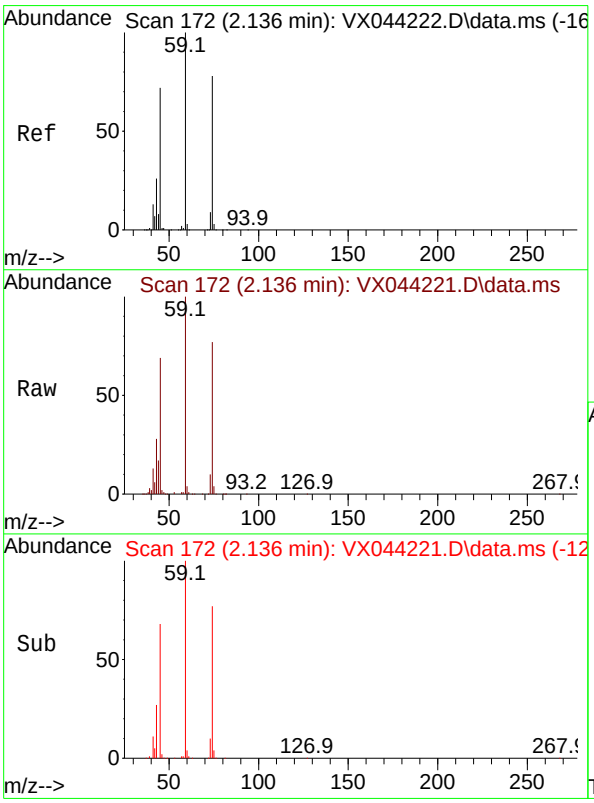
#7
Trichlorofluoromethane
Concen: 20.077 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 81398

Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.8	77.8

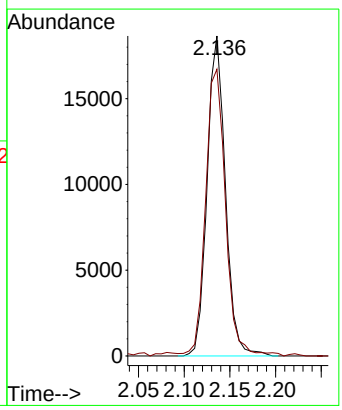


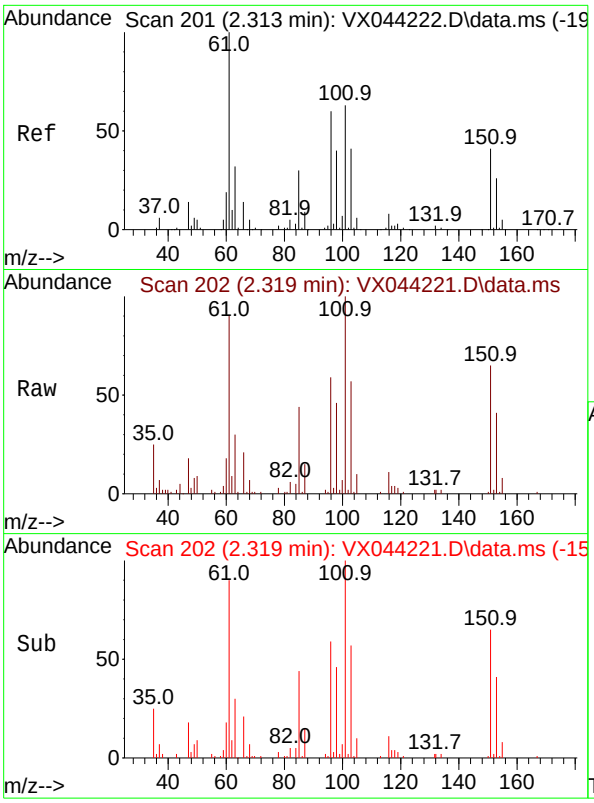


#8
Diethyl Ether
Concen: 18.704 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 74 Resp: 25884

Ion	Ratio	Lower	Upper
74	100		
45	97.8	48.4	145.0



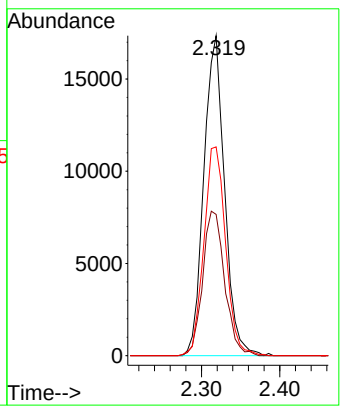


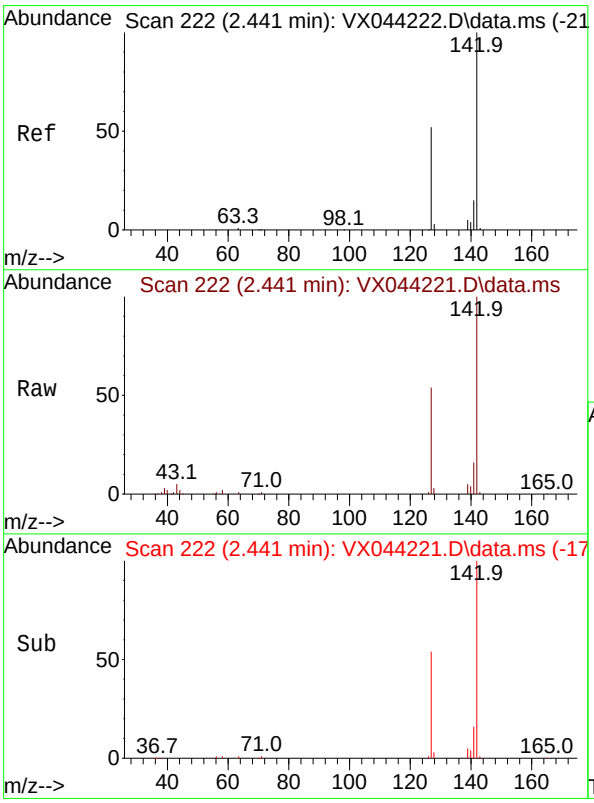
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.412 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 31846

Ion	Ratio	Lower	Upper
101	100		
85	48.0	38.5	57.7
151	68.6	55.8	83.6

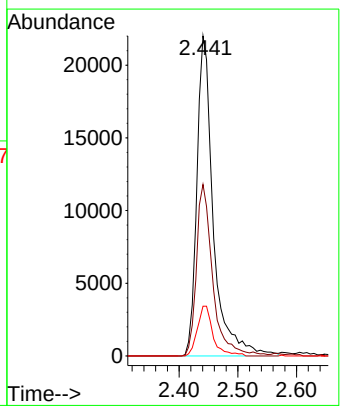


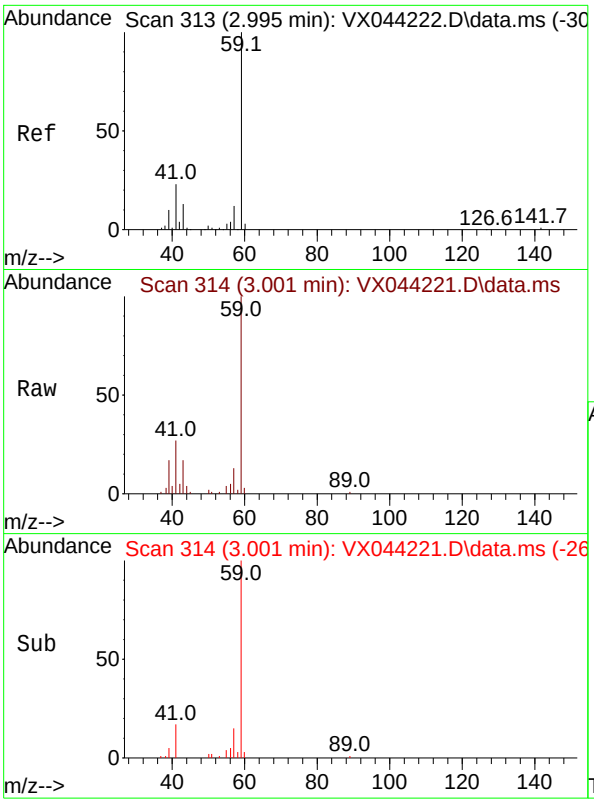


#10
Methyl Iodide
Concen: 19.788 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:142 Resp: 42786

Ion	Ratio	Lower	Upper
142	100		
127	52.9	41.8	62.8
141	14.8	11.5	17.3



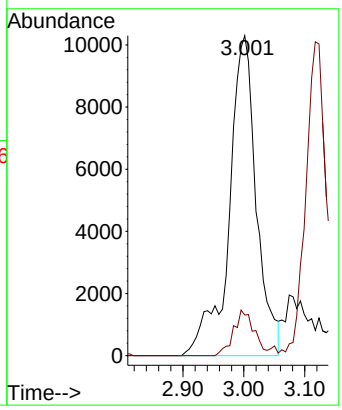


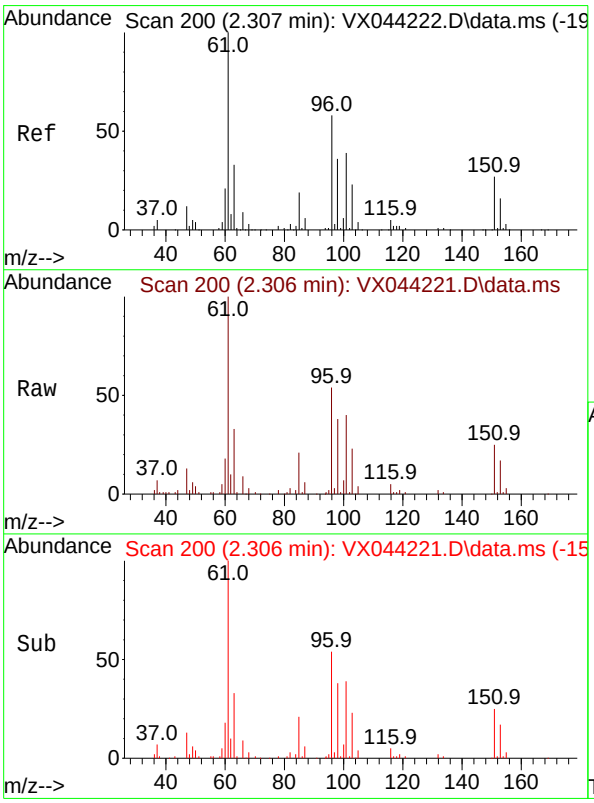
#11
Tert butyl alcohol
Concen: 97.050 ug/l
RT: 3.001 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 32189

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.8	13.2

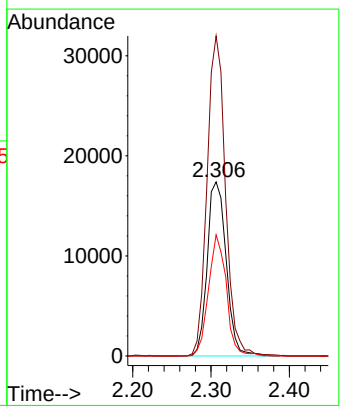


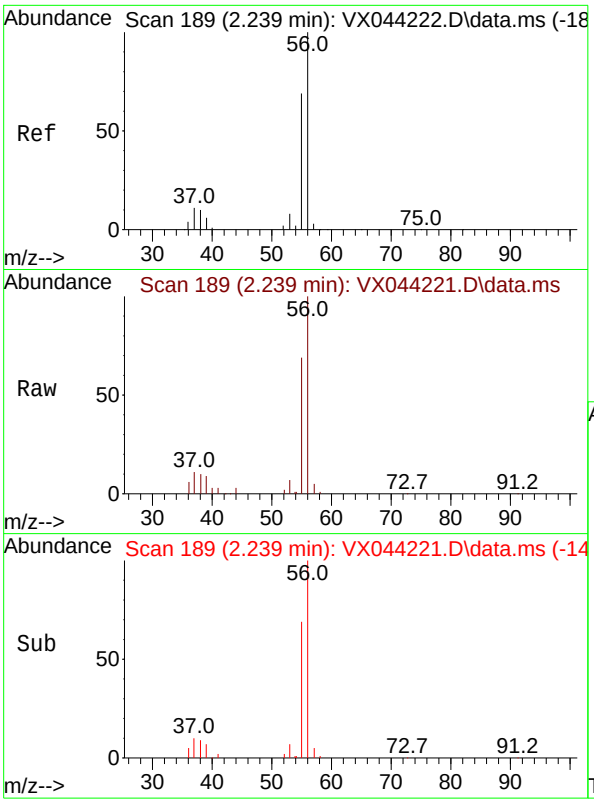


#12
1,1-Dichloroethene
Concen: 19.405 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 96 Resp: 29241

Ion	Ratio	Lower	Upper
96	100		
61	183.9	138.0	207.0
98	69.6	50.0	75.0



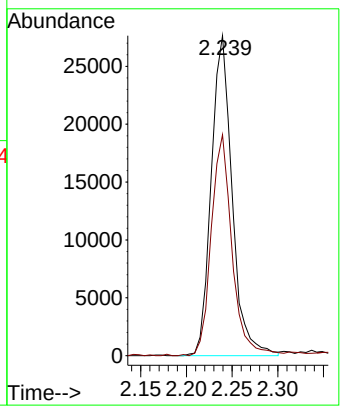


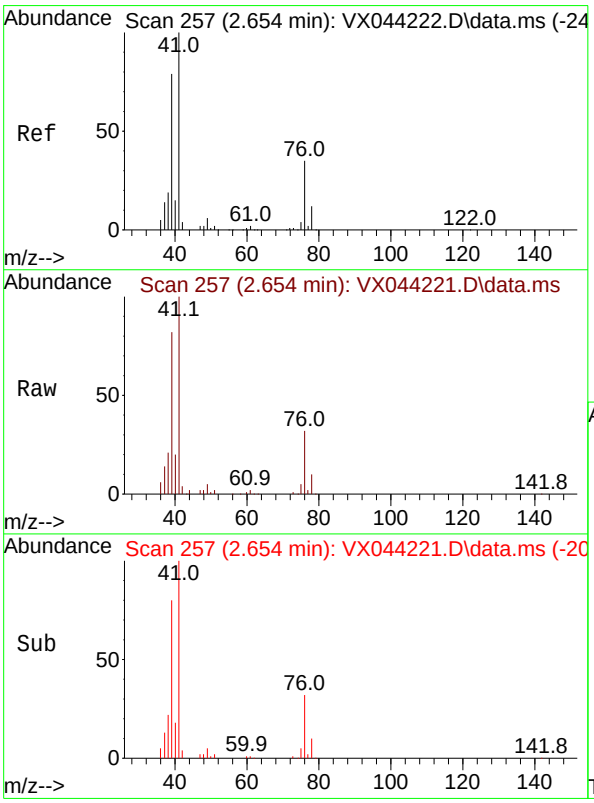
#13
Acrolein
Concen: 91.311 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 43909

Ion	Ratio	Lower	Upper
56	100		
55	68.6	56.6	84.8

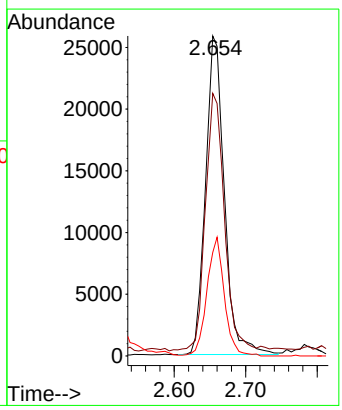


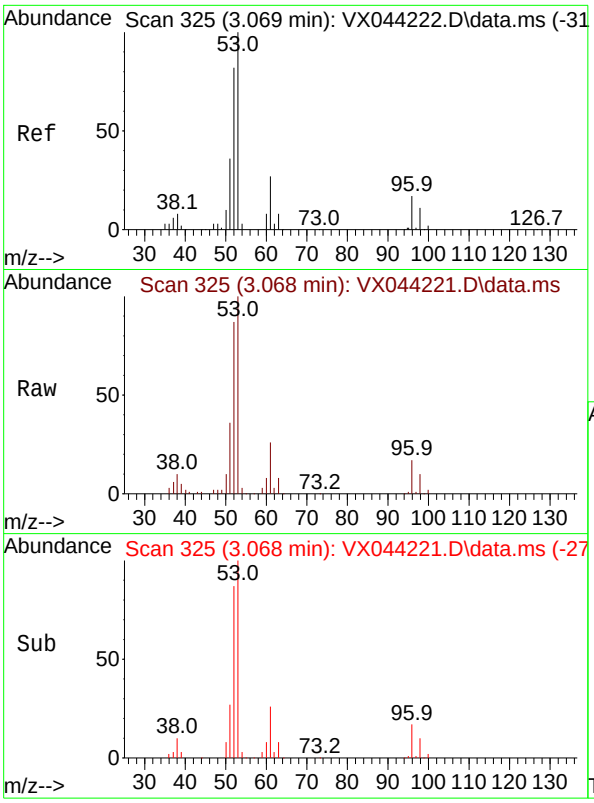


#14
Allyl chloride
Concen: 18.813 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 41 Resp: 47218

Ion	Ratio	Lower	Upper
41	100		
39	80.4	61.9	92.9
76	34.5	27.4	41.2



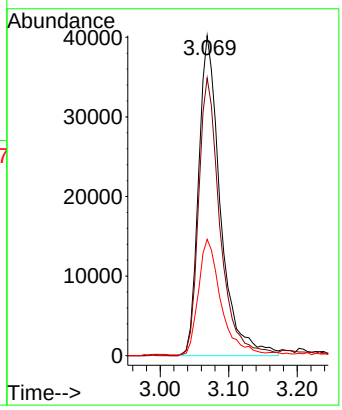


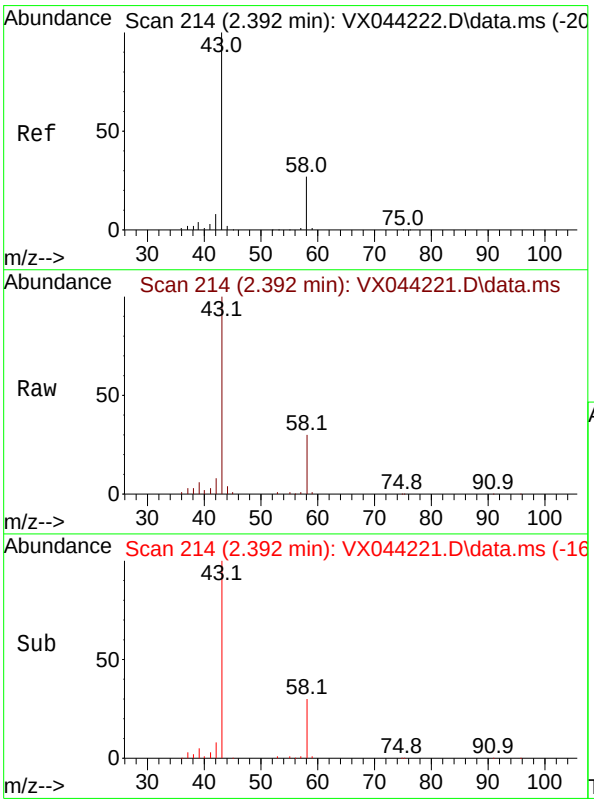
#15
Acrylonitrile
Concen: 96.988 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 89249

Ion	Ratio	Lower	Upper
53	100		
52	85.1	67.4	101.0
51	37.1	30.3	45.5

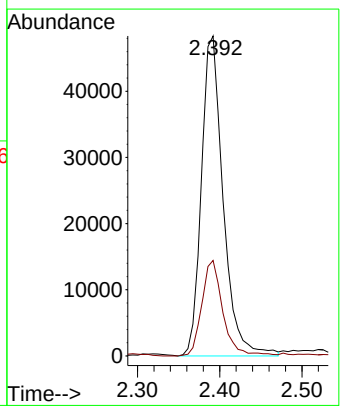


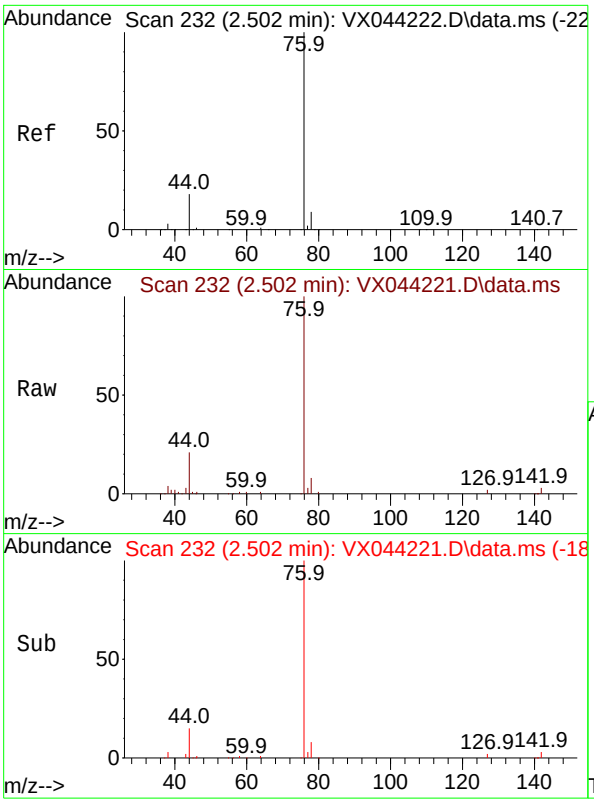


#16
Acetone
Concen: 92.601 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 88985

Ion	Ratio	Lower	Upper
43	100		
58	29.8	21.6	32.4



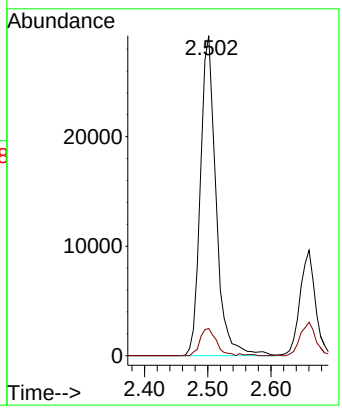


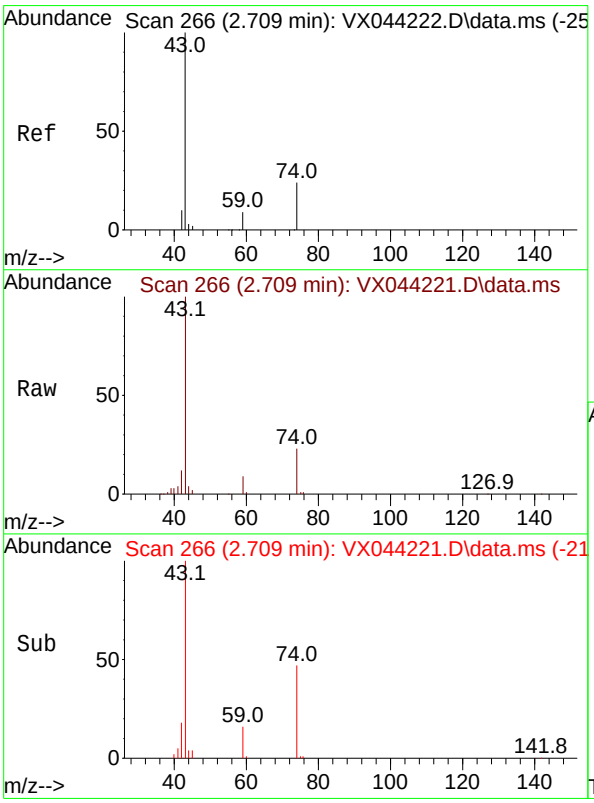
#17
Carbon Disulfide
Concen: 17.595 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 50399

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.0

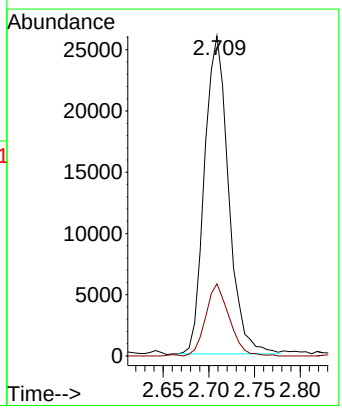


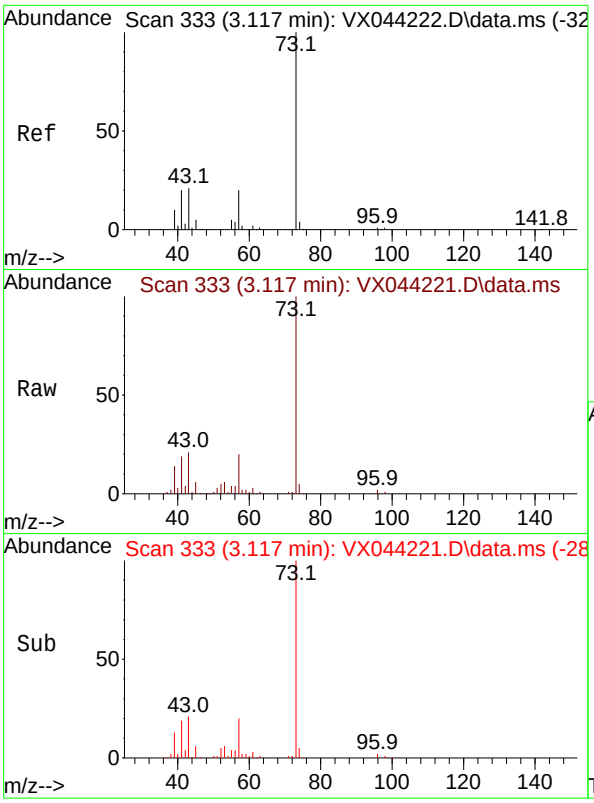


#18
Methyl Acetate
Concen: 19.175 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 47509

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.7	26.5



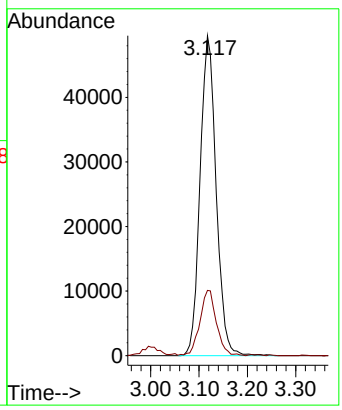


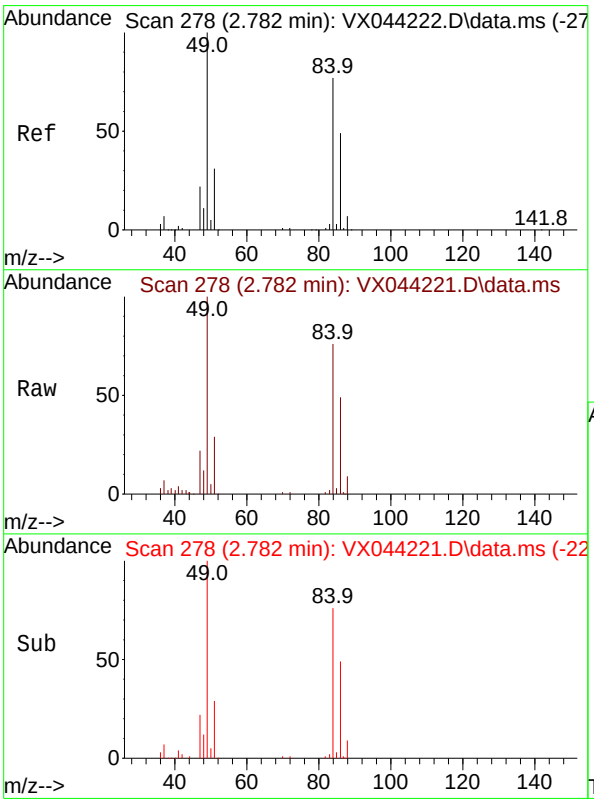
#19
Methyl tert-butyl Ether
Concen: 19.450 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 114371

Ion	Ratio	Lower	Upper
73	100		
57	20.4	16.2	24.4

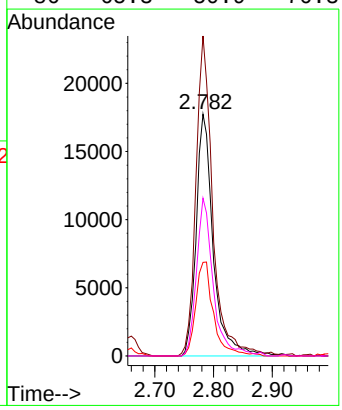


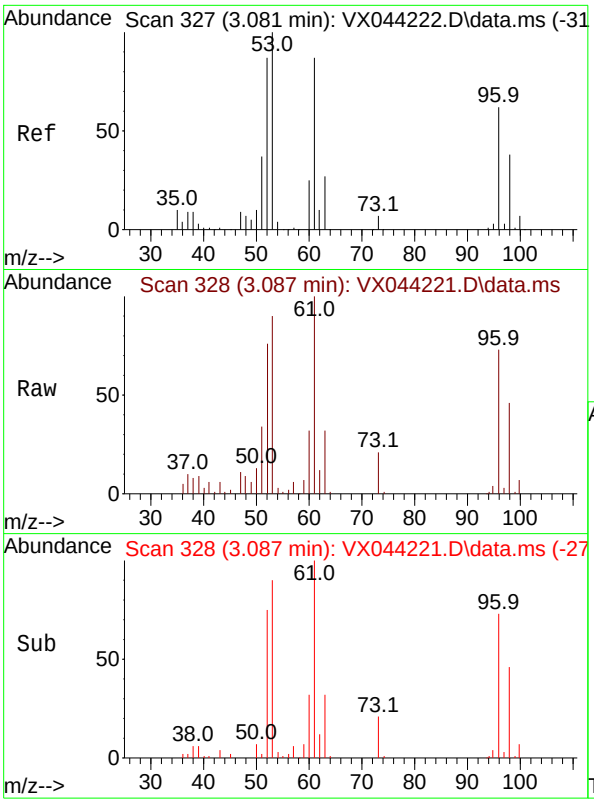


#20
Methylene Chloride
Concen: 19.846 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 84 Resp: 35820

Ion	Ratio	Lower	Upper
84	100		
49	132.3	104.2	156.4
51	38.7	32.2	48.4
86	65.3	50.9	76.3



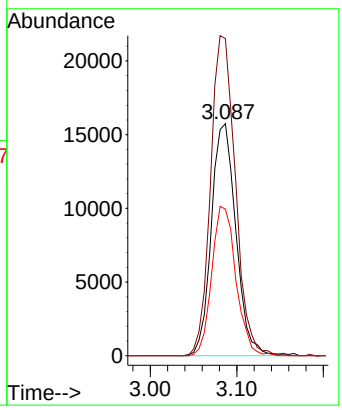


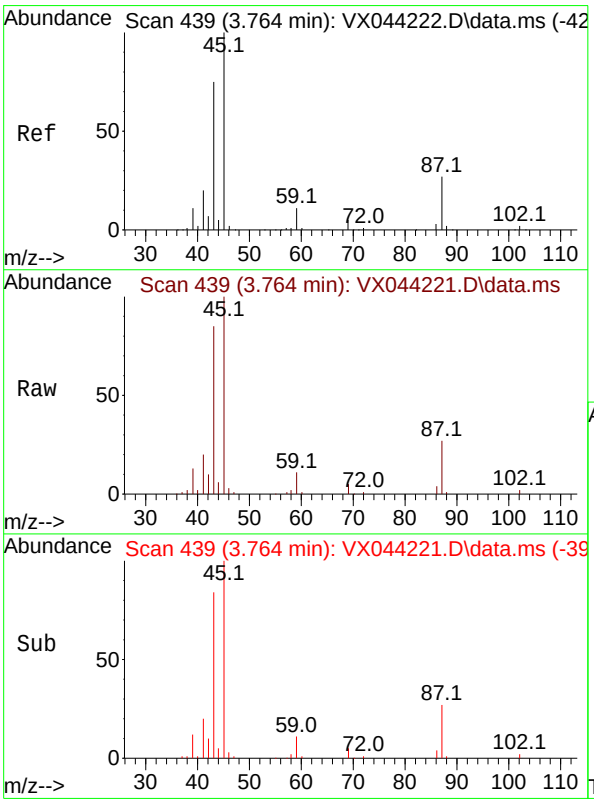
#21
trans-1,2-Dichloroethene
Concen: 19.380 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 31036

Ion	Ratio	Lower	Upper
96	100		
61	136.8	112.0	168.0
98	63.2	48.8	73.2

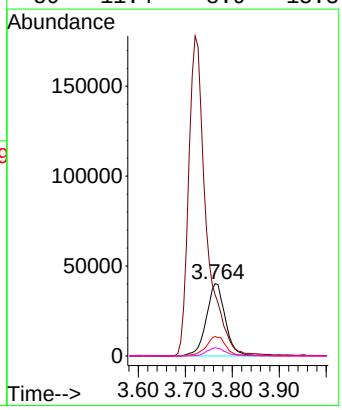


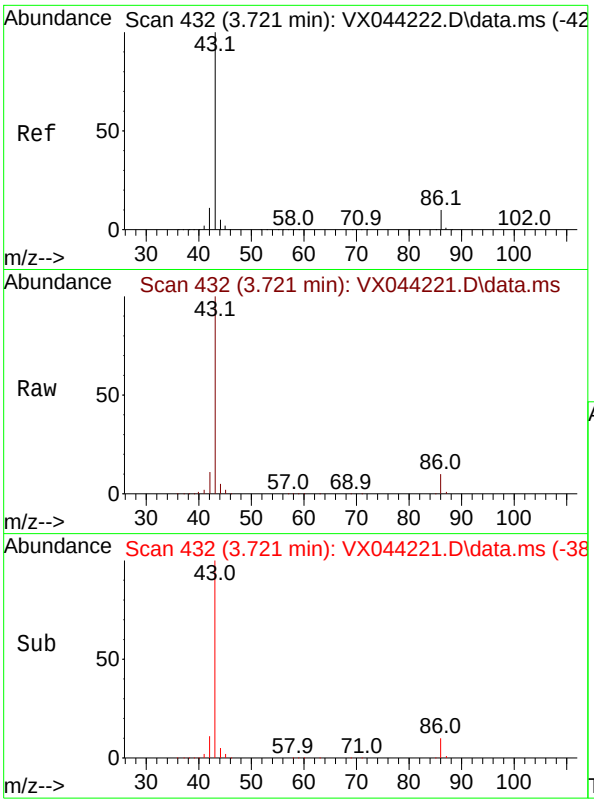


#22
Diisopropyl ether
Concen: 19.907 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 45 Resp: 112511

Ion	Ratio	Lower	Upper
45	100		
43	82.8	60.2	90.2
87	27.1	21.2	31.8
59	11.4	8.9	13.3



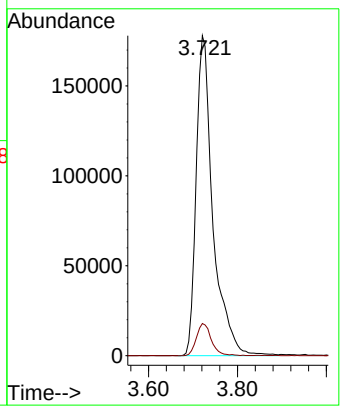


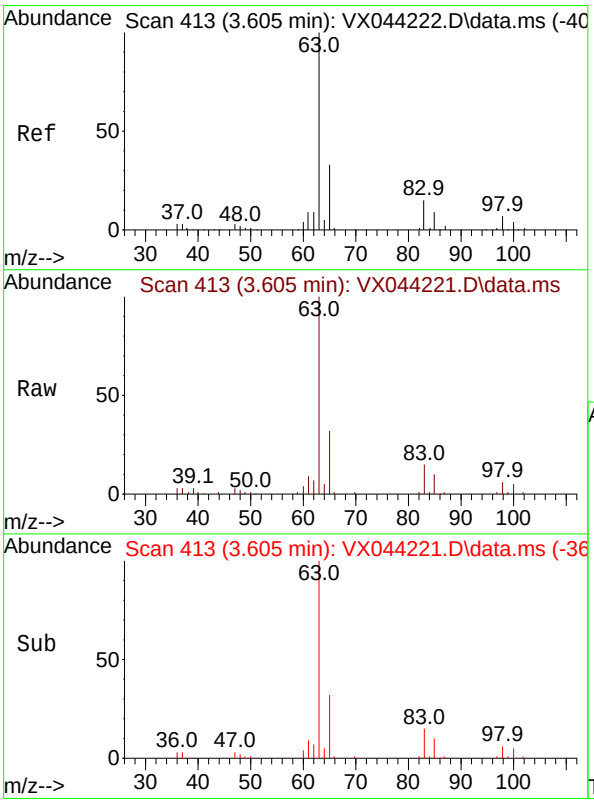
#23
Vinyl Acetate
Concen: 101.354 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 465716

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.2	12.2

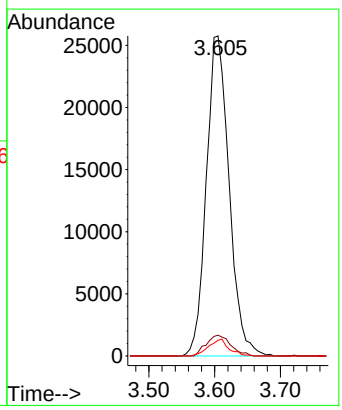


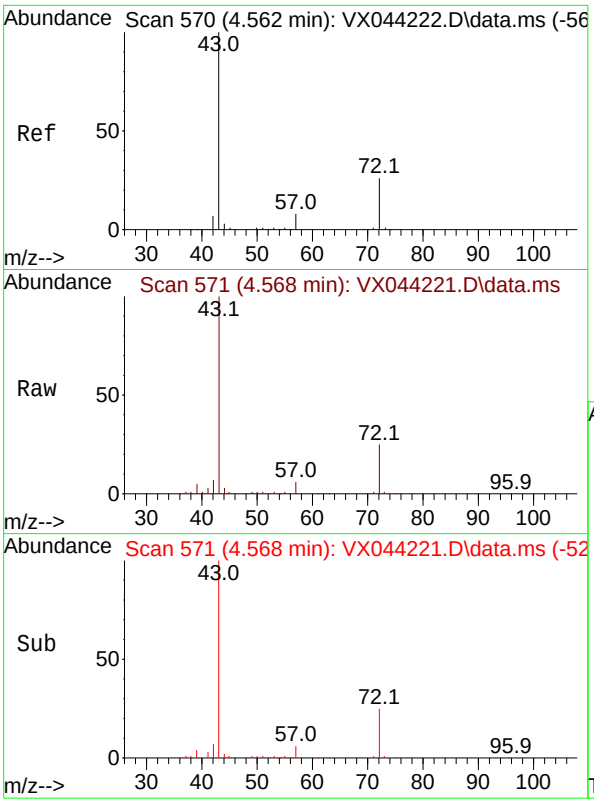


#24
1,1-Dichloroethane
Concen: 19.699 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 63 Resp: 62059

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.6	10.8
100	4.9	2.1	6.3



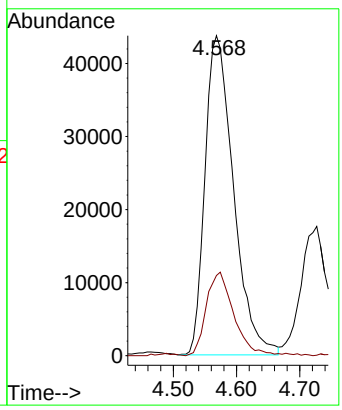


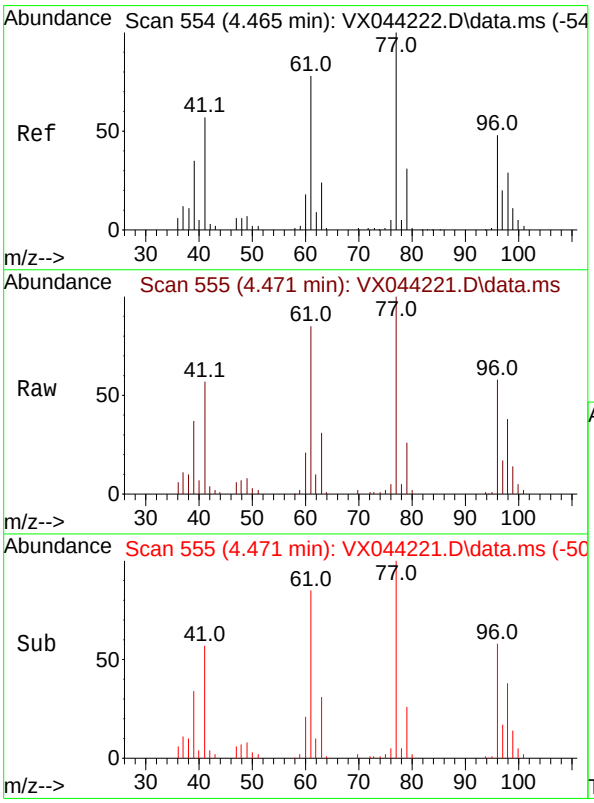
#25
2-Butanone
Concen: 100.277 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 136992

Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.2	30.4

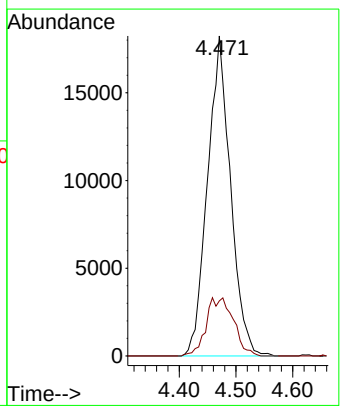


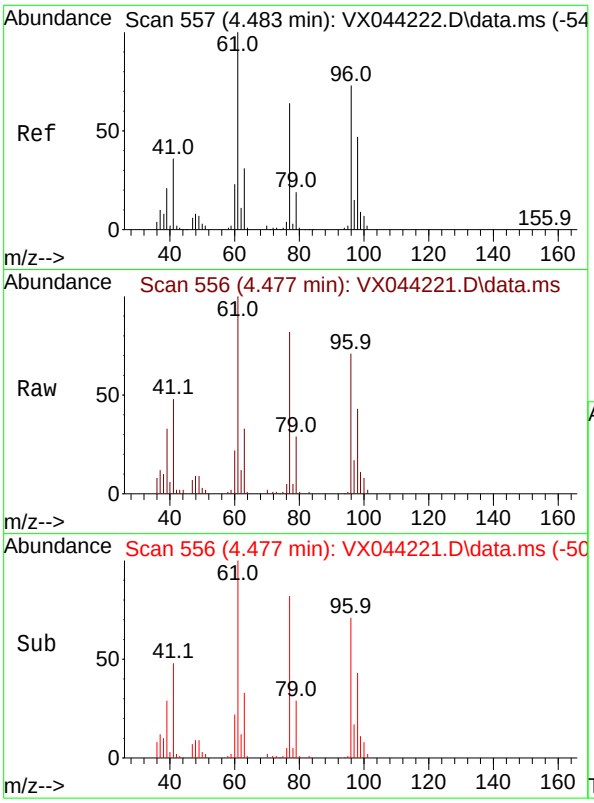


#26
2,2-Dichloropropane
Concen: 20.095 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 77 Resp: 51431

Ion	Ratio	Lower	Upper
77	100		
97	9.1	10.7	32.1#



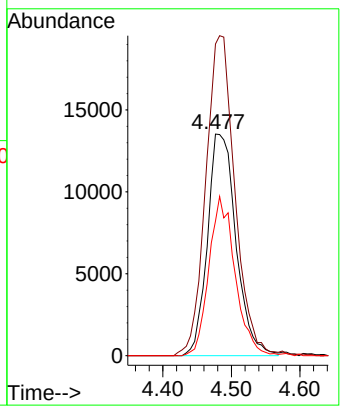


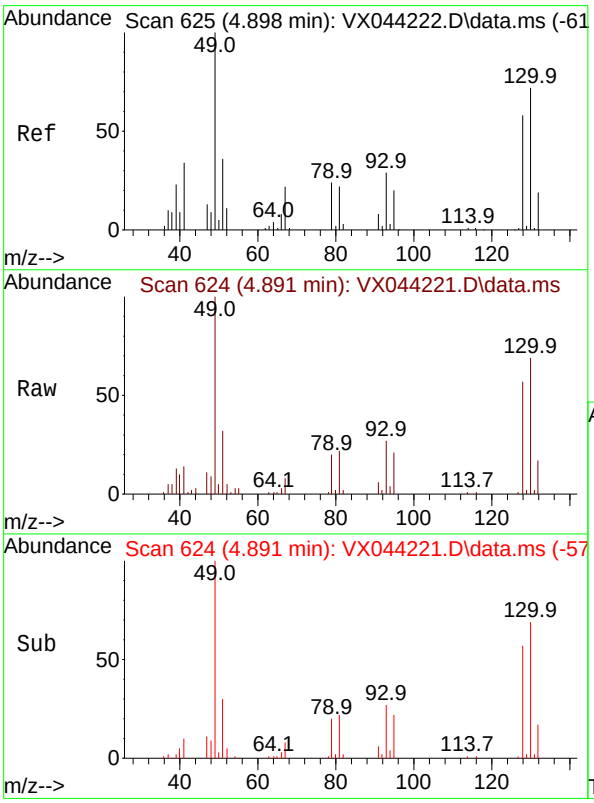
#27
cis-1,2-Dichloroethene
Concen: 19.254 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 39161

Ion	Ratio	Lower	Upper
96	100		
61	147.6	0.0	299.0
98	65.5	0.0	129.0

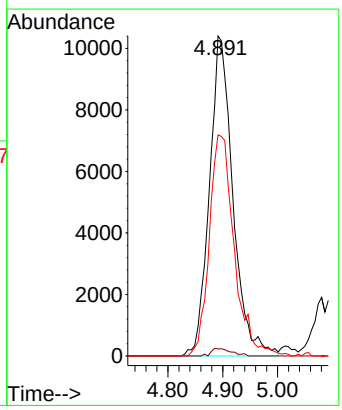


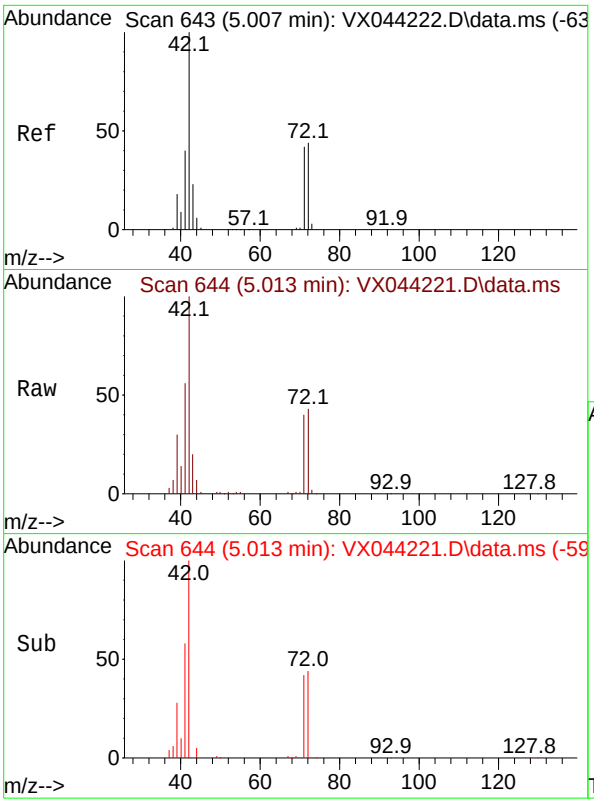


#28
Bromochloromethane
Concen: 20.052 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 49 Resp: 30977

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	73.1	62.1	93.1



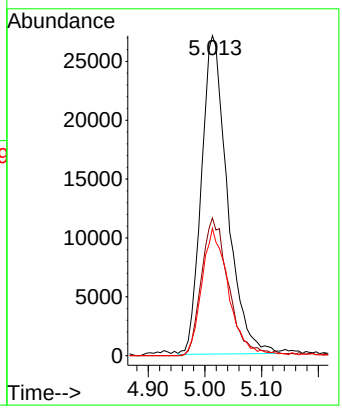


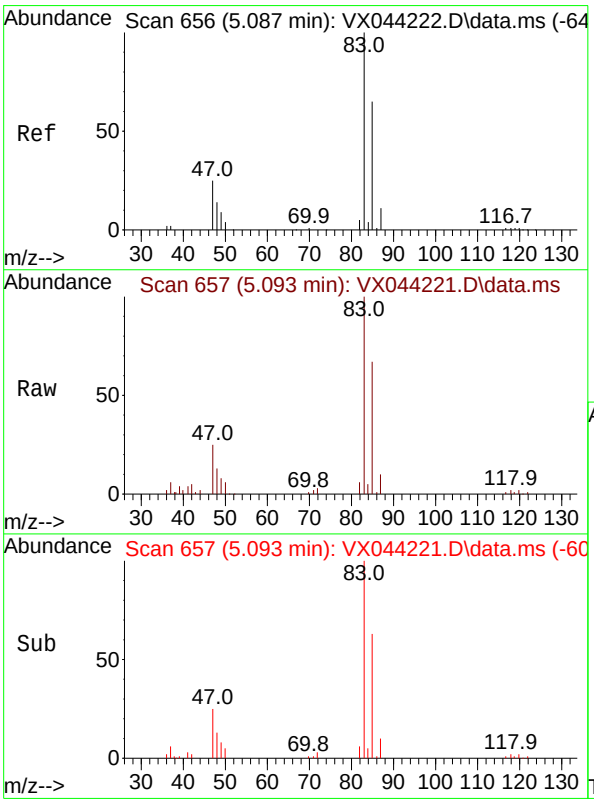
#29
Tetrahydrofuran
Concen: 98.343 ug/l
RT: 5.013 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 86235

Ion	Ratio	Lower	Upper
42	100		
72	45.2	37.0	55.6
71	41.1	33.6	50.4

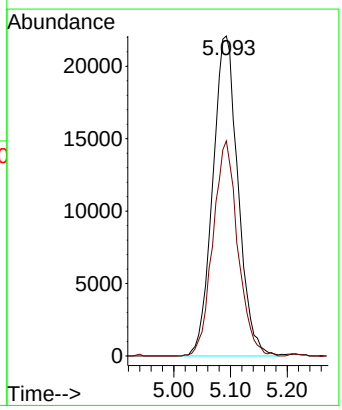


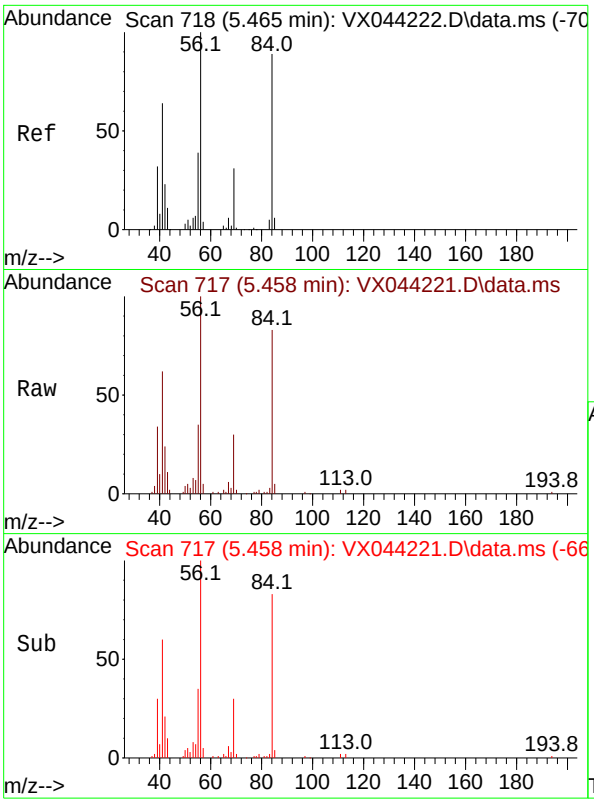


#30
Chloroform
Concen: 19.327 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 83 Resp: 68410

Ion	Ratio	Lower	Upper
83	100		
85	67.2	51.6	77.4



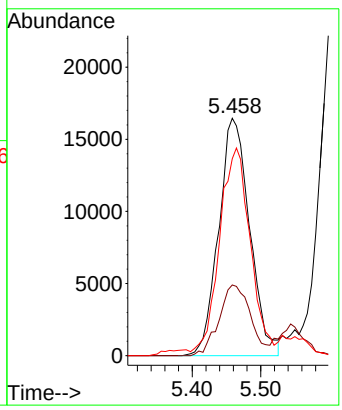


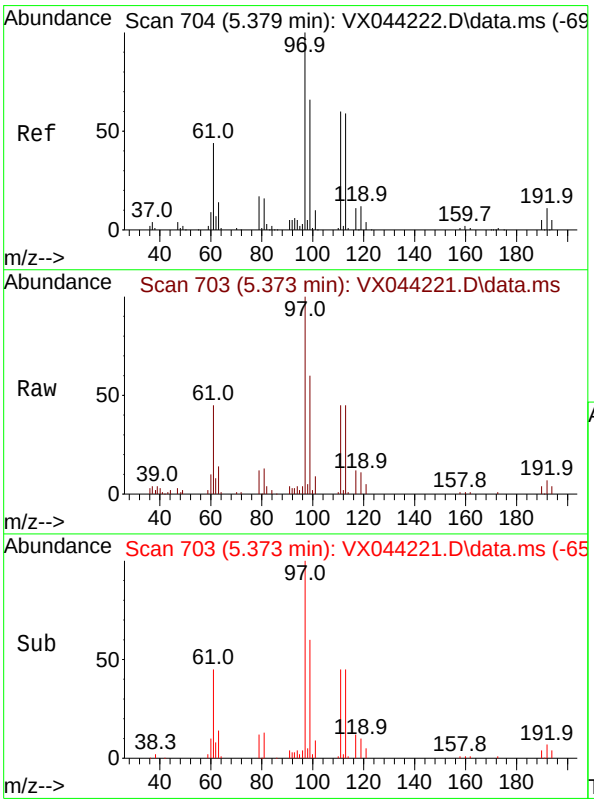
#31
Cyclohexane
Concen: 20.351 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 51773

Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.7	37.1
84	80.7	71.0	106.6

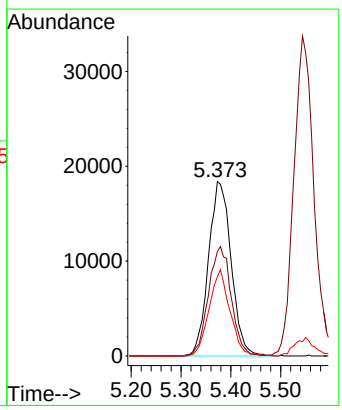


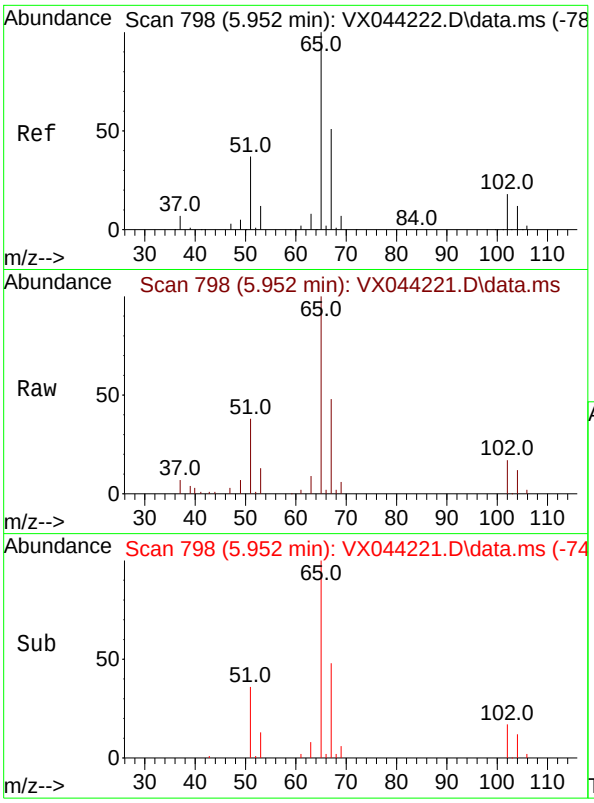


#32
1,1,1-Trichloroethane
Concen: 19.706 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 97 Resp: 57900

Ion	Ratio	Lower	Upper
97	100		
99	63.0	50.8	76.2
61	45.7	35.2	52.8



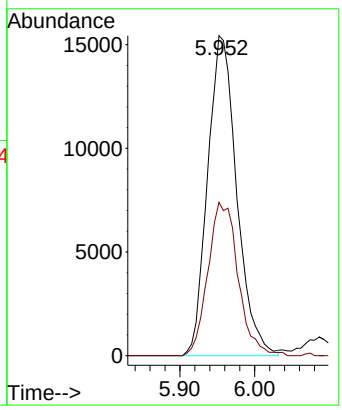


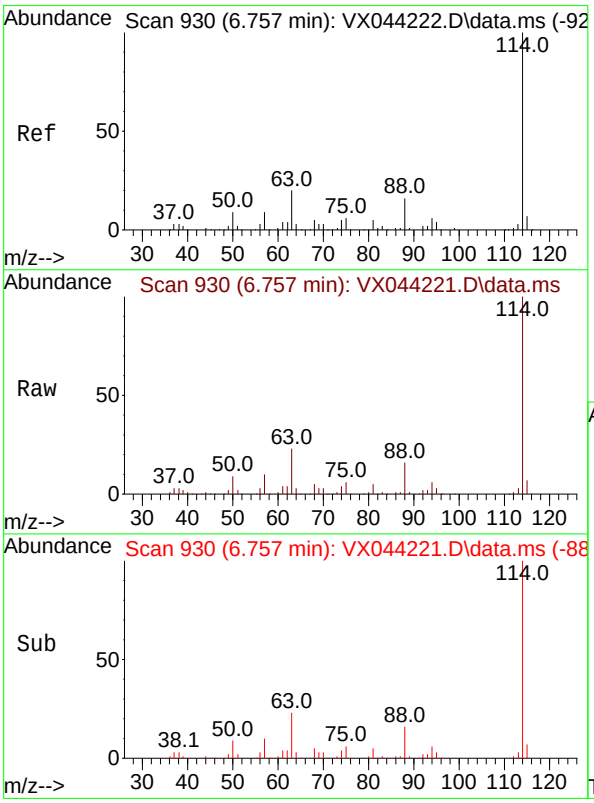
#33
1,2-Dichloroethane-d4
Concen: 17.743 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 41821

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	101.6

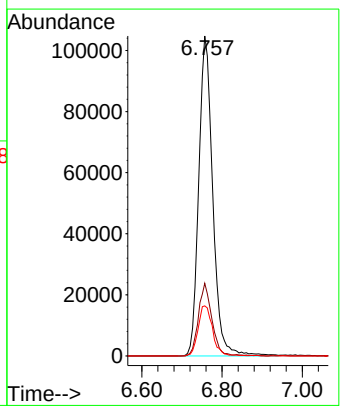


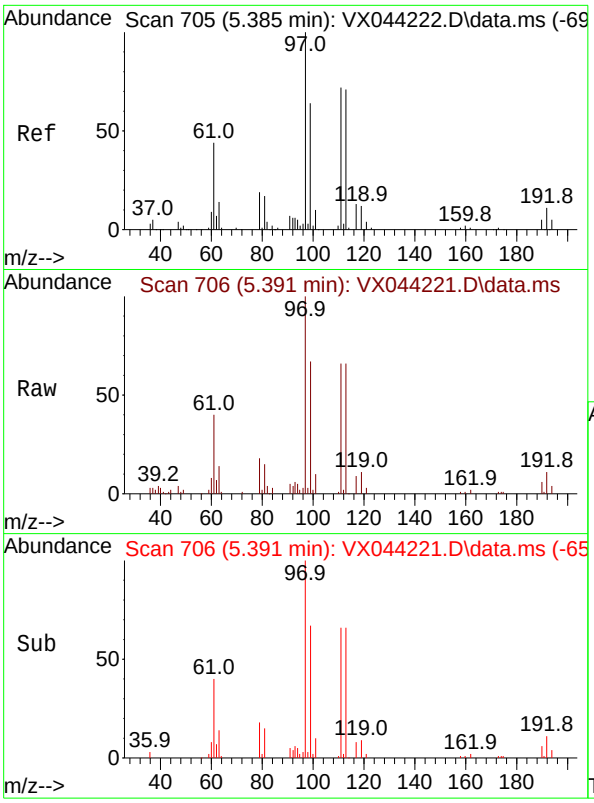


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:114 Resp: 254199

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	40.6
88	15.7	0.0	31.8



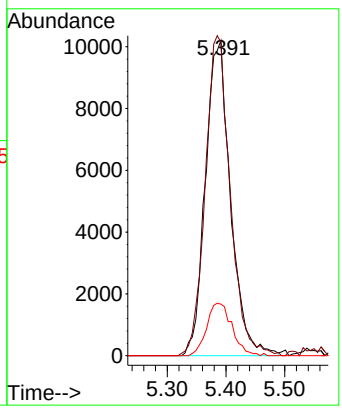


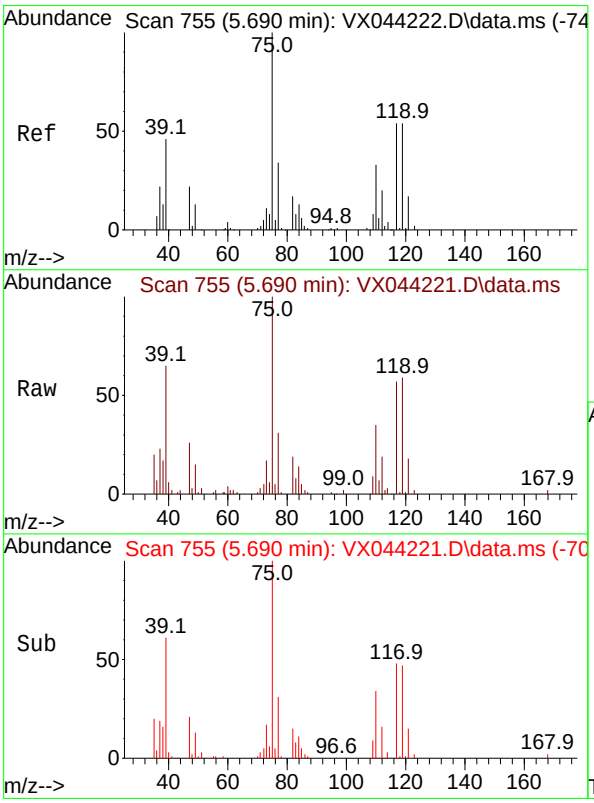
#35
Dibromofluoromethane
Concen: 17.213 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 30304

Ion	Ratio	Lower	Upper
113	100		
111	100.9	80.4	120.6
192	16.7	13.3	19.9

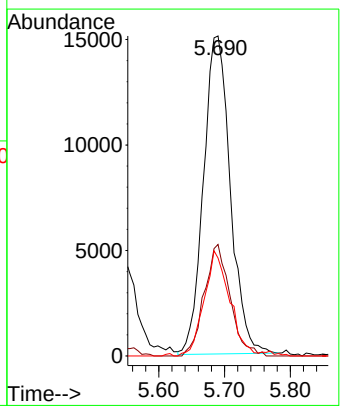


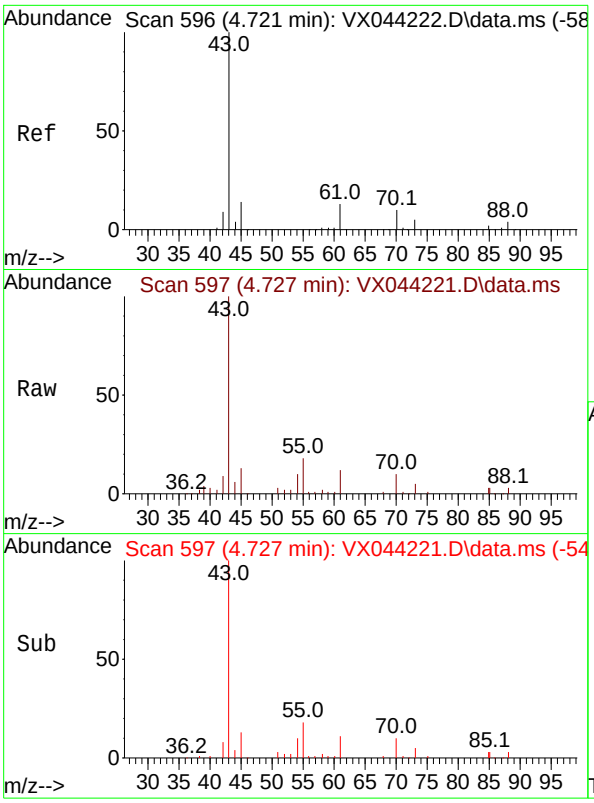


#36
1,1-Dichloropropene
Concen: 18.841 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 75 Resp: 42878

Ion	Ratio	Lower	Upper
75	100		
110	33.7	17.3	51.7
77	31.3	25.4	38.0



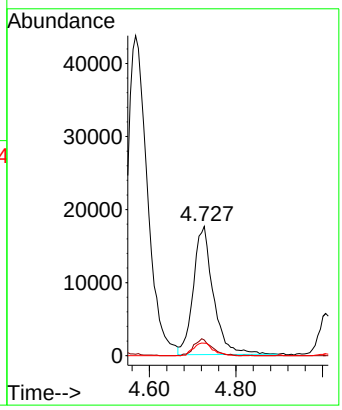


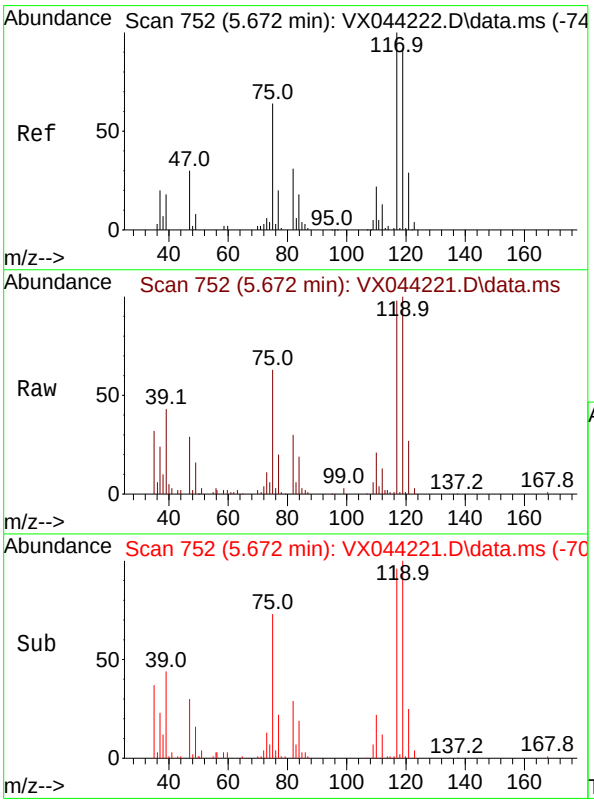
#37
Ethyl Acetate
Concen: 19.913 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 56019

Ion	Ratio	Lower	Upper
43	100		
61	11.8	9.8	14.8
70	9.9	7.7	11.5

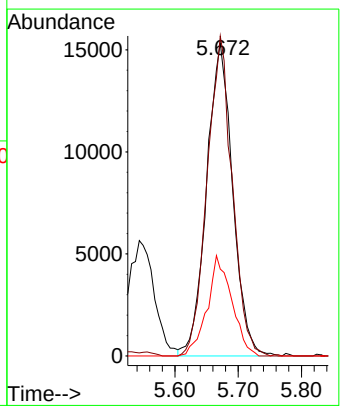


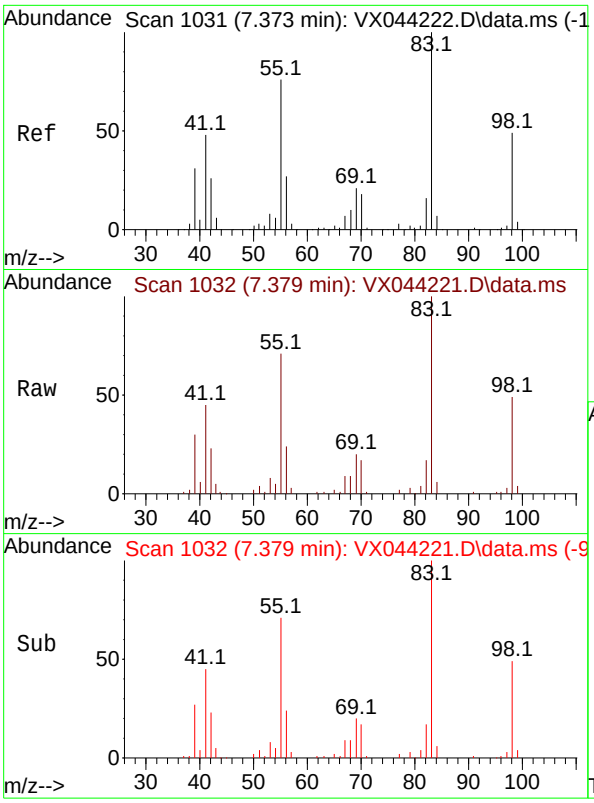


#38
Carbon Tetrachloride
Concen: 17.918 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:117 Resp: 43901

Ion	Ratio	Lower	Upper
117	100		
119	102.3	74.2	111.4
121	27.8	23.0	34.6



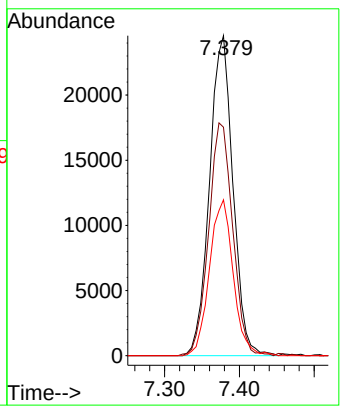


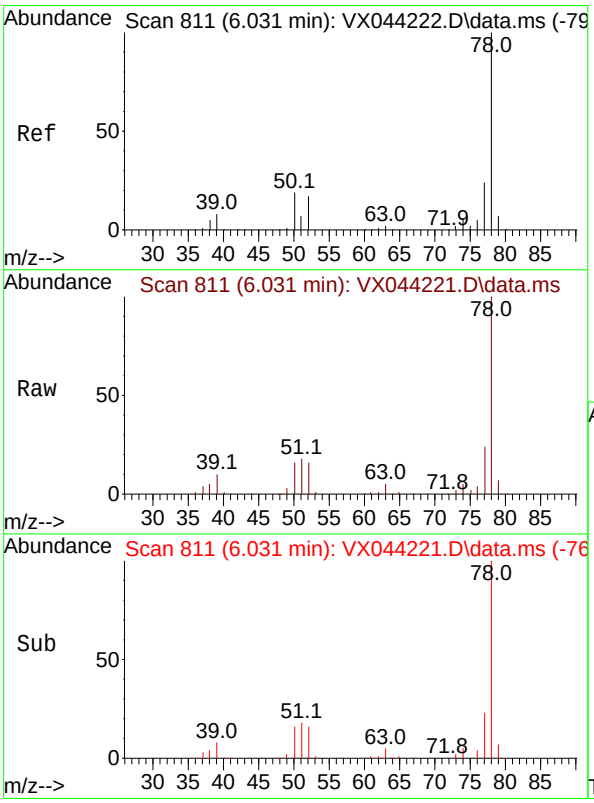
#39
Methylcyclohexane
Concen: 19.678 ug/l
RT: 7.379 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 53536

Ion	Ratio	Lower	Upper
83	100		
55	71.4	60.7	91.1
98	48.7	38.9	58.3

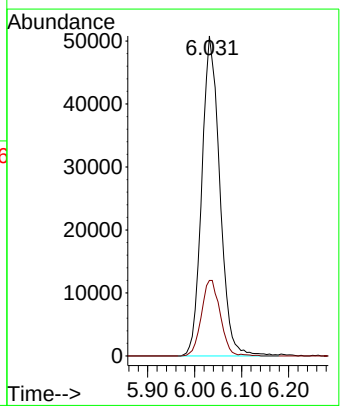


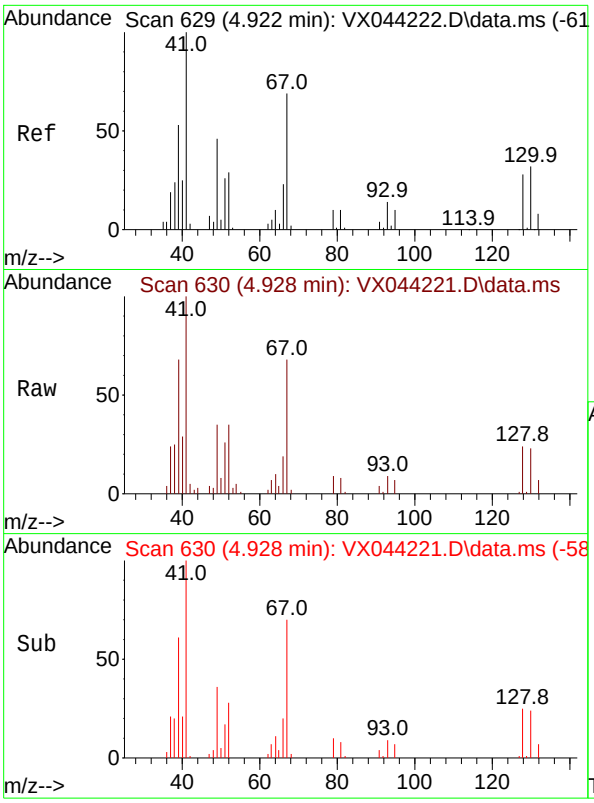


#40
Benzene
Concen: 19.606 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 78 Resp: 135467

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.3	28.9



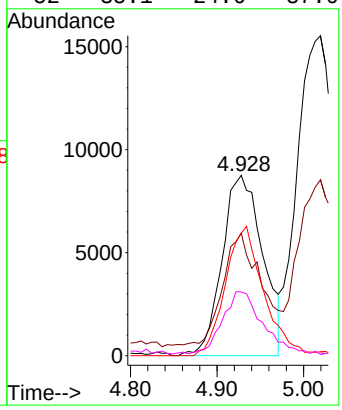


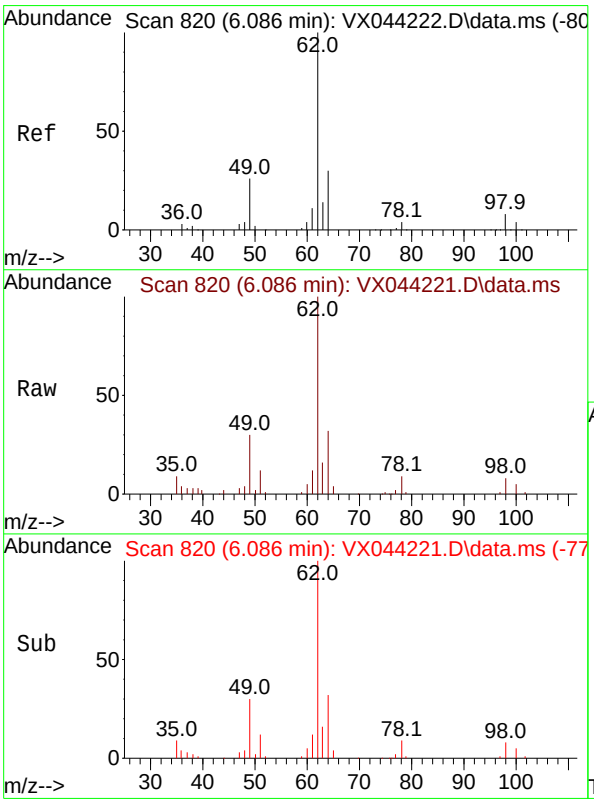
#41
Methacrylonitrile
Concen: 19.095 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 28523

Ion	Ratio	Lower	Upper
41	100		
39	59.0	44.2	66.4
67	67.6	57.2	85.8
52	35.1	24.6	37.0

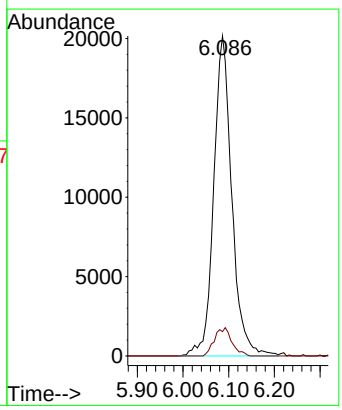


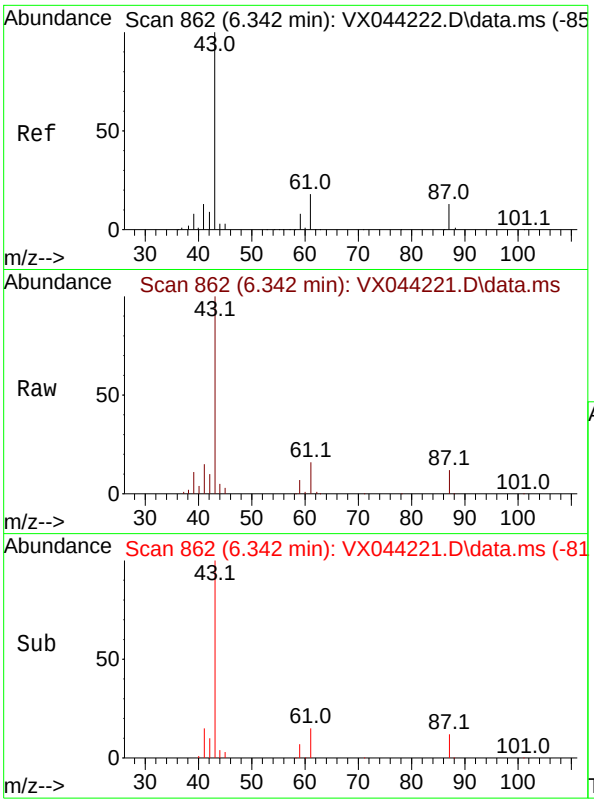


#42
1,2-Dichloroethane
Concen: 19.456 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 62 Resp: 55377

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	15.8



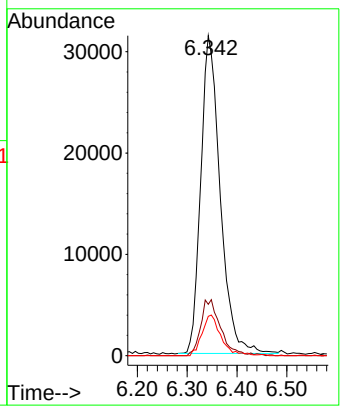


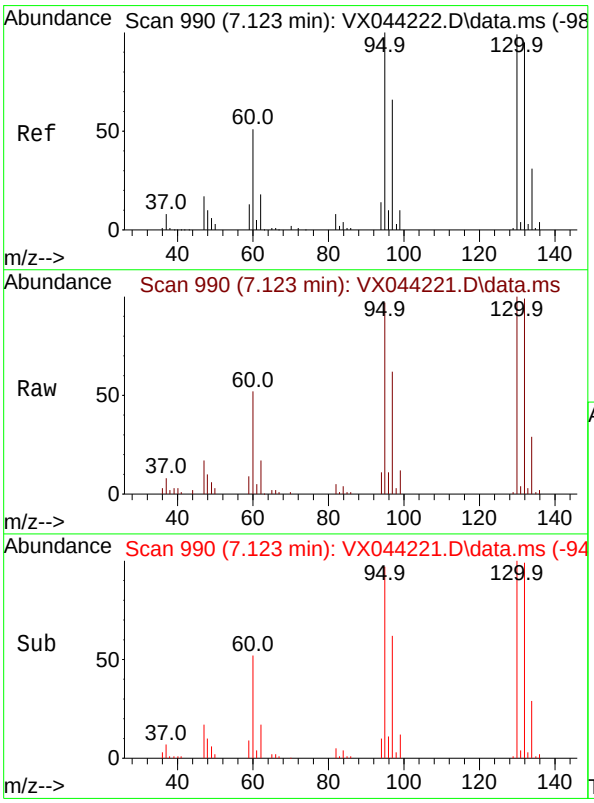
#43
Isopropyl Acetate
Concen: 19.301 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 84866

Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.2	21.2
87	12.5	10.2	15.2

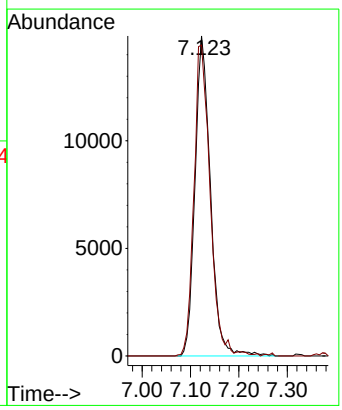


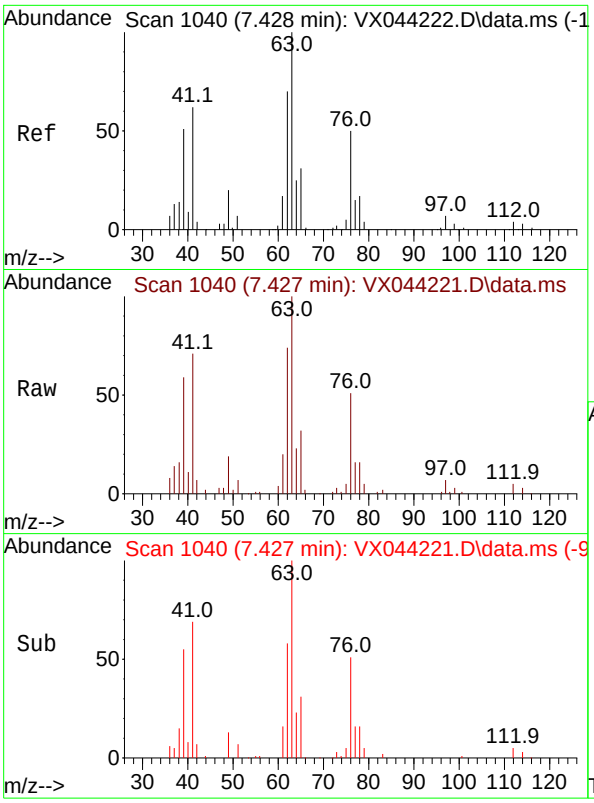


#44
Trichloroethene
Concen: 19.149 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:130 Resp: 32995

Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	201.4



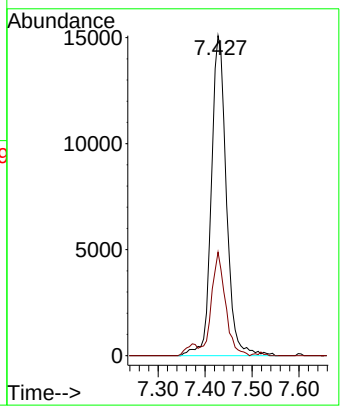


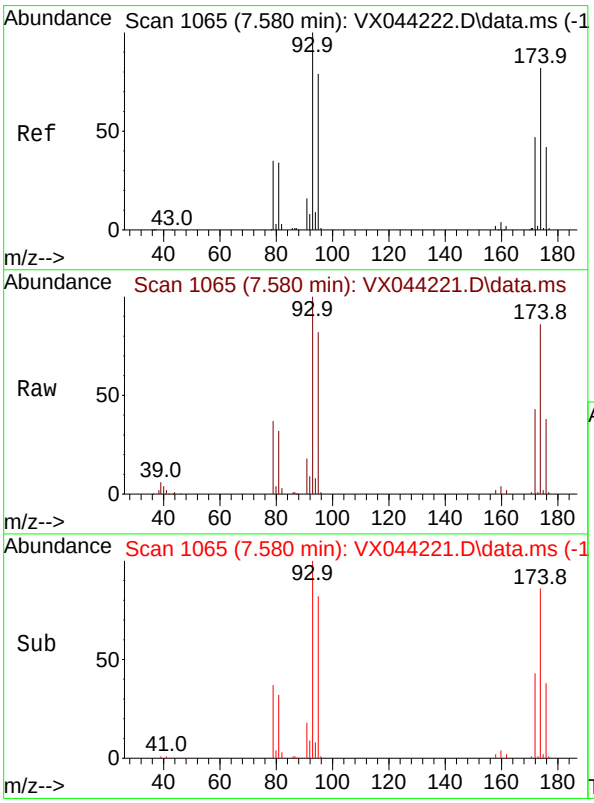
#45
1,2-Dichloropropane
Concen: 19.025 ug/l
RT: 7.427 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 33585

Ion	Ratio	Lower	Upper
63	100		
65	32.4	24.6	37.0

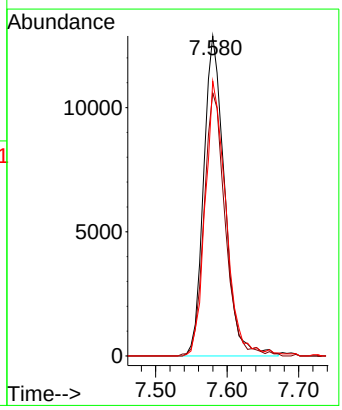


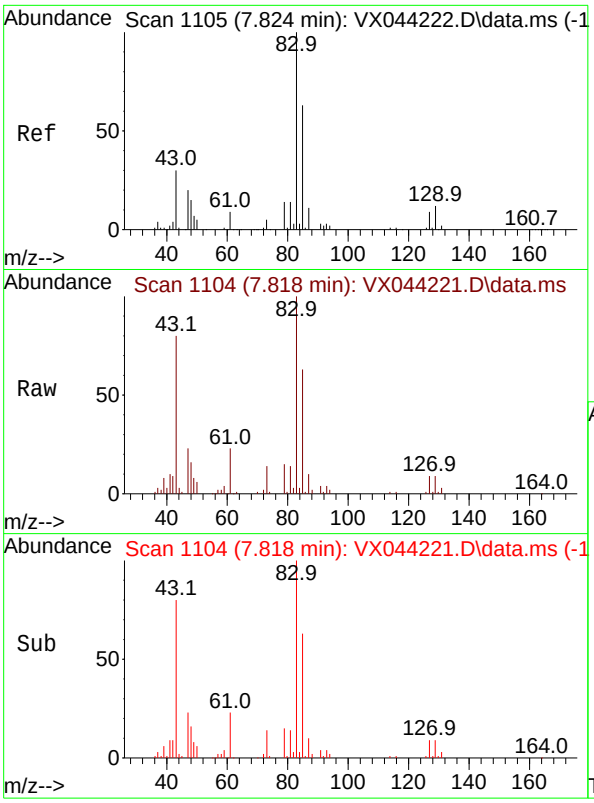


#46
Dibromomethane
Concen: 19.199 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 93 Resp: 26293

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.4	98.2
174	86.1	67.9	101.9



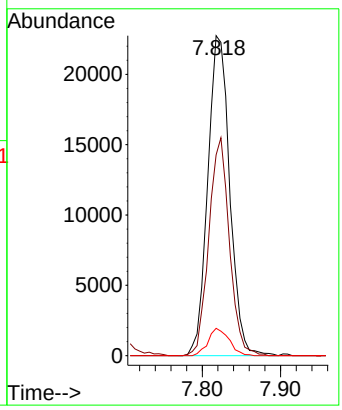


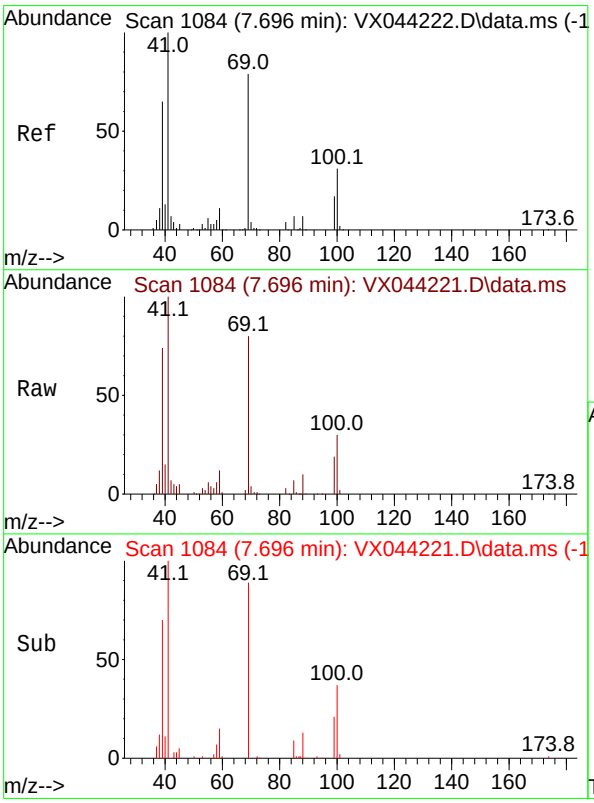
#47
Bromodichloromethane
Concen: 18.735 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 44312

Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.6	75.8
127	8.6	7.3	10.9

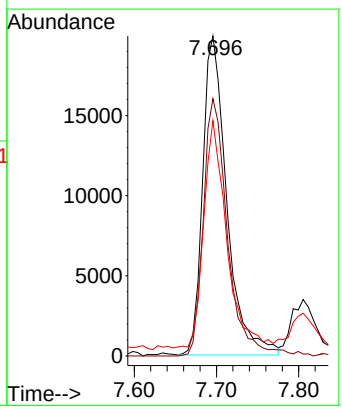


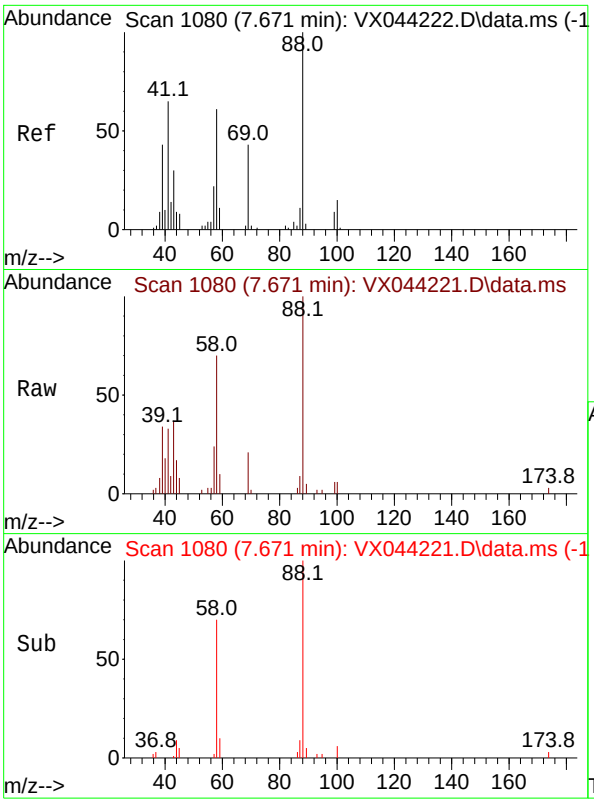


#48
Methyl methacrylate
Concen: 19.032 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 41 Resp: 40620

Ion	Ratio	Lower	Upper
41	100		
69	80.5	62.4	93.6
39	67.5	53.3	79.9



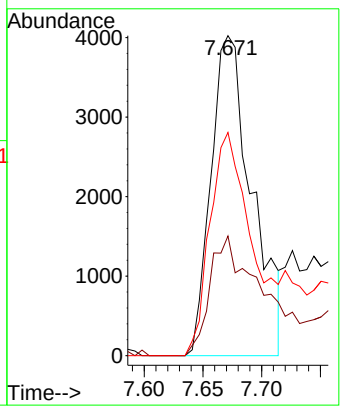


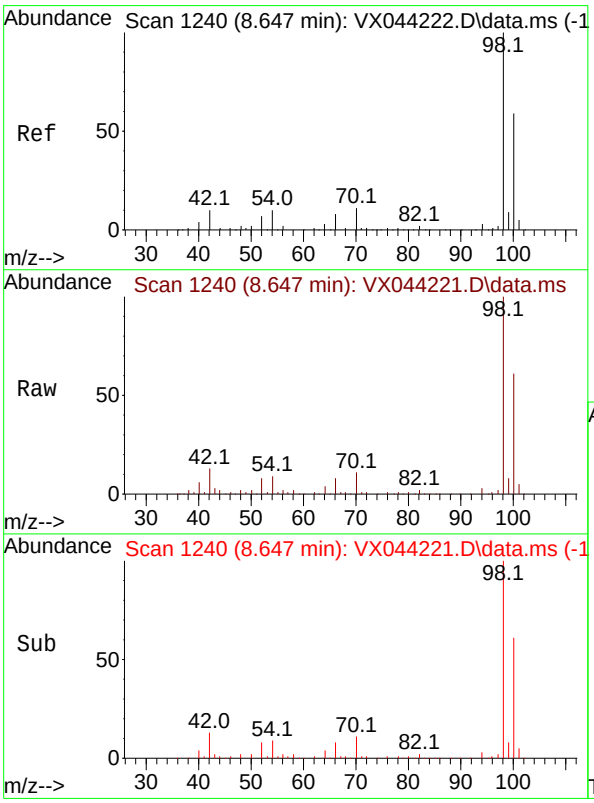
#49
1,4-Dioxane
Concen: 268.697 ug/l
RT: 7.671 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 9801

Ion	Ratio	Lower	Upper
88	100		
43	49.5	27.1	40.7#
58	72.2	41.0	61.4#

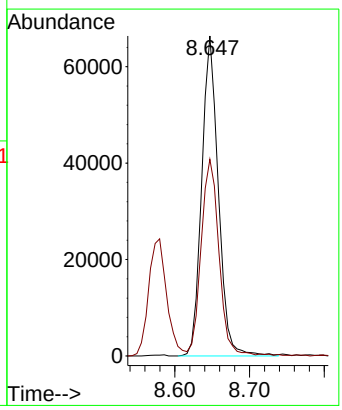


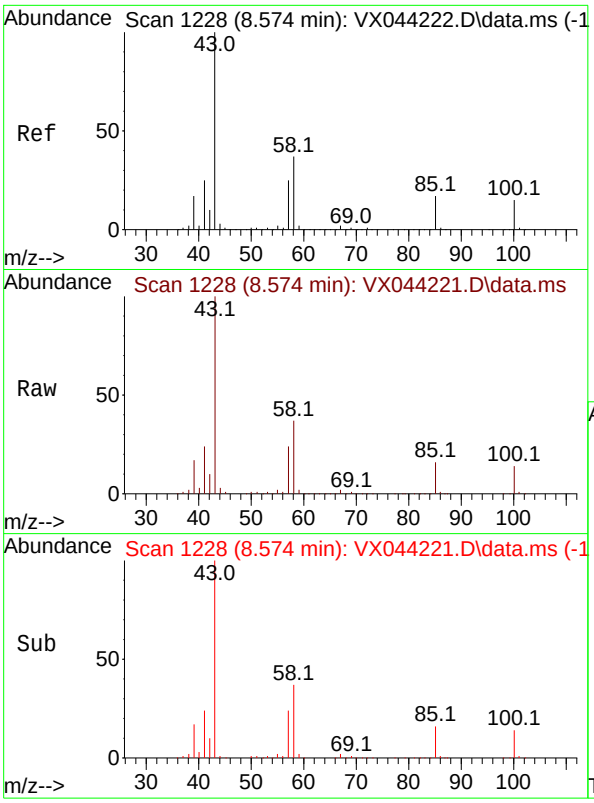


#50
Toluene-d8
Concen: 17.284 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 98 Resp: 102660

Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.5	77.3



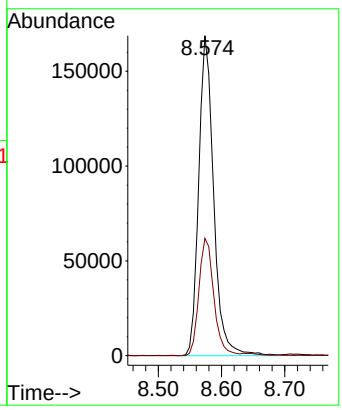


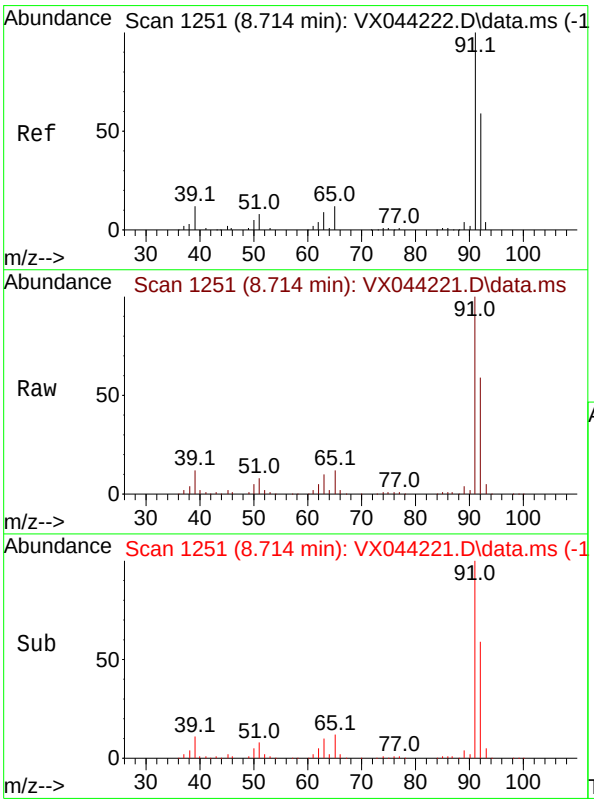
#51
4-Methyl-2-Pentanone
Concen: 98.429 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 278267

Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.4	44.0

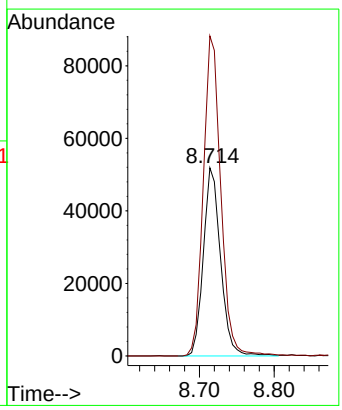


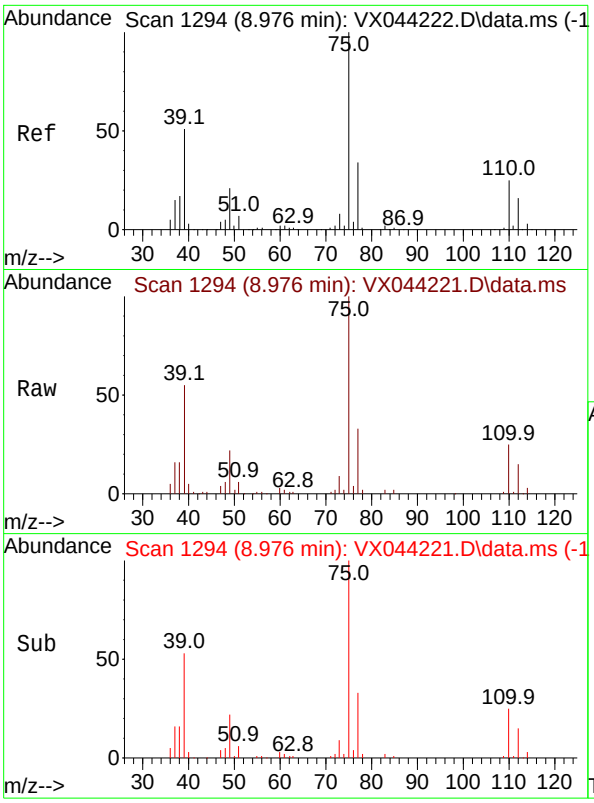


#52
Toluene
Concen: 19.113 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 92 Resp: 82934

Ion	Ratio	Lower	Upper
92	100		
91	172.9	137.0	205.6



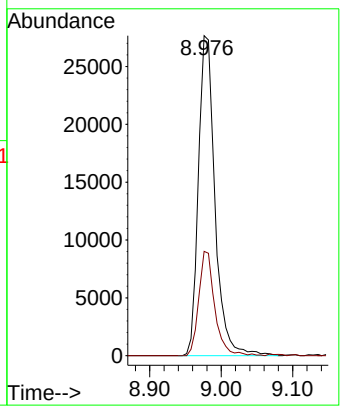


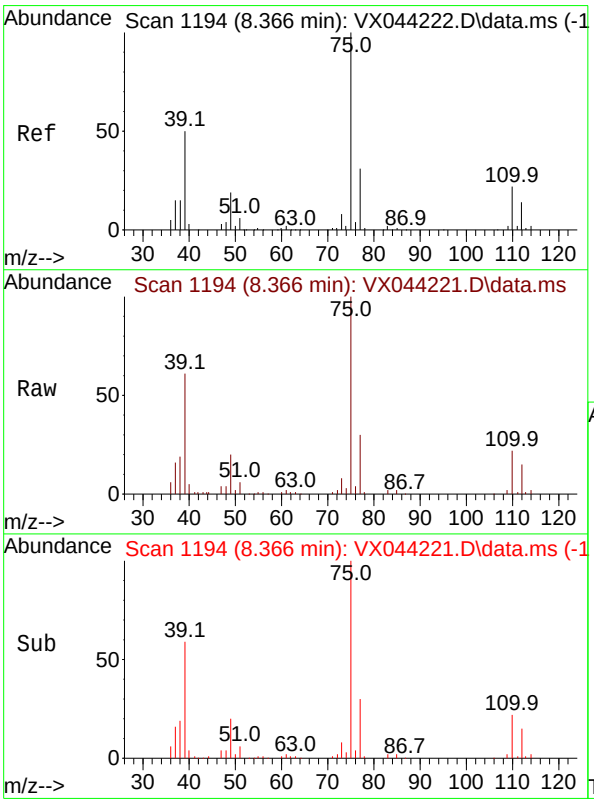
#53
t-1,3-Dichloropropene
Concen: 18.785 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 44614

Ion	Ratio	Lower	Upper
75	100		
77	32.6	27.2	40.8

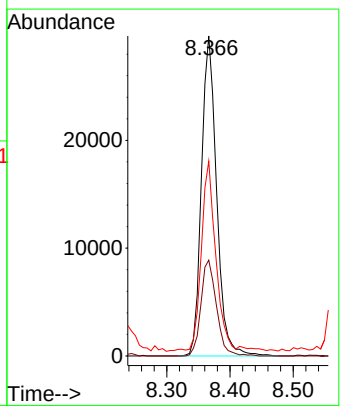


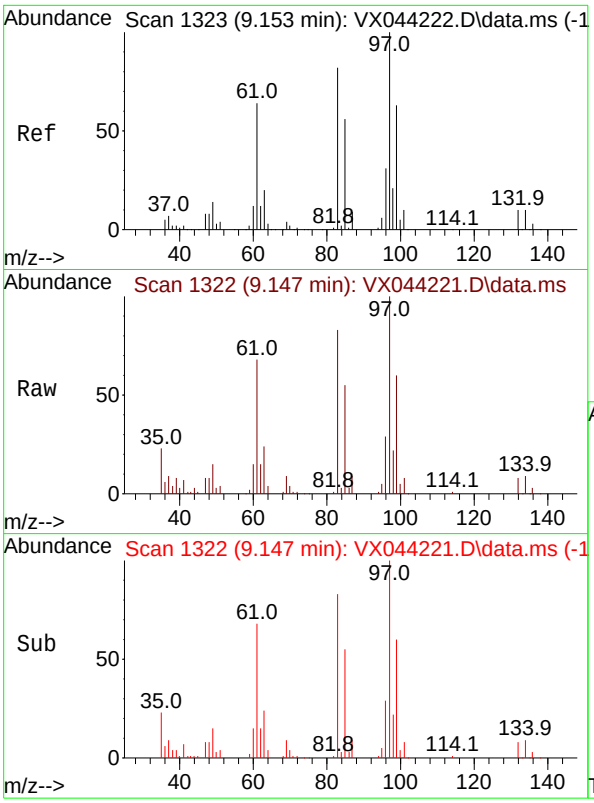


#54
cis-1,3-Dichloropropene
Concen: 19.258 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 75 Resp: 49596

Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.7	37.1
39	59.4	40.3	60.5



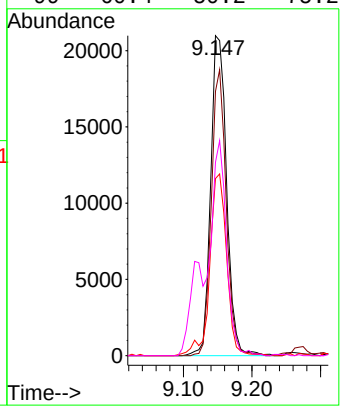


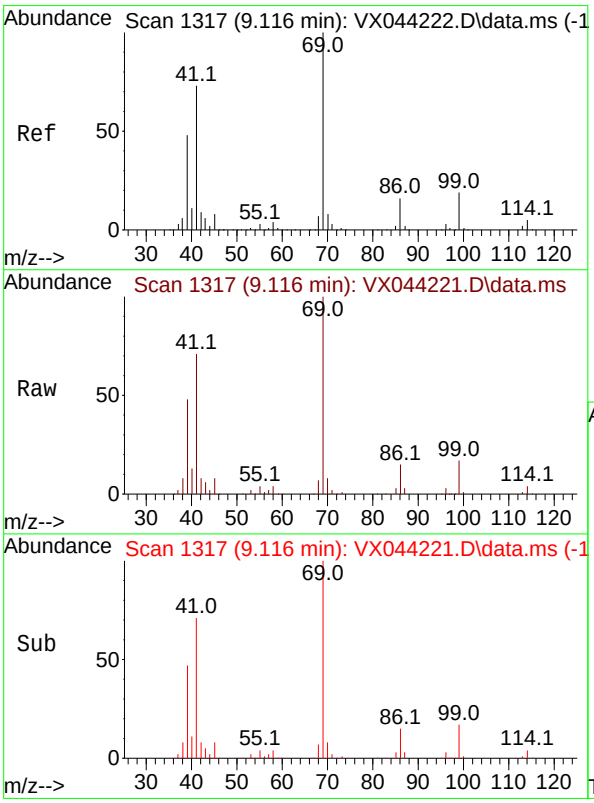
#55
1,1,2-Trichloroethane
Concen: 19.732 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 34013

Ion	Ratio	Lower	Upper
97	100		
83	82.6	65.3	97.9
85	55.3	44.6	67.0
99	60.4	50.2	75.2

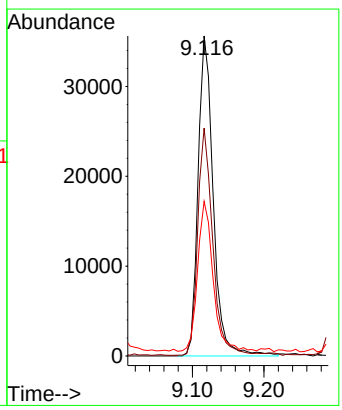


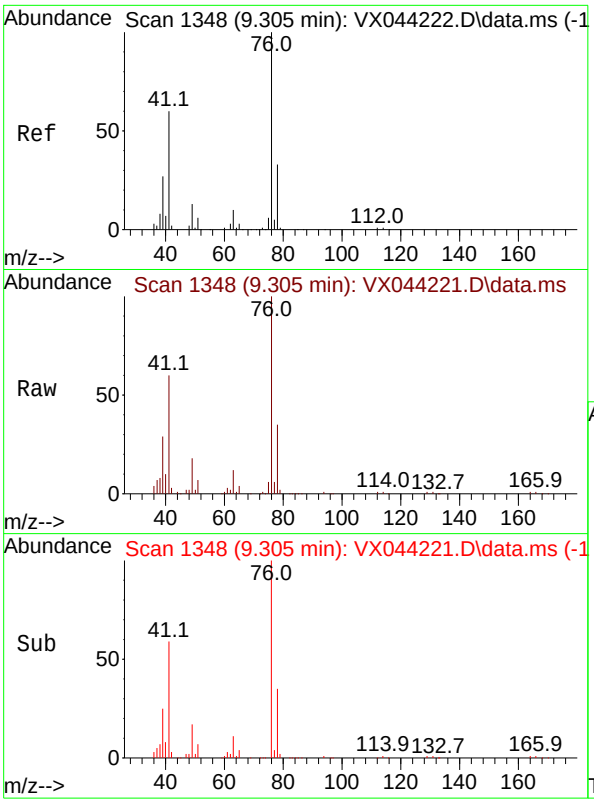


#56
Ethyl methacrylate
Concen: 19.318 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 69 Resp: 52571

Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.6	85.0
39	47.8	37.4	56.0



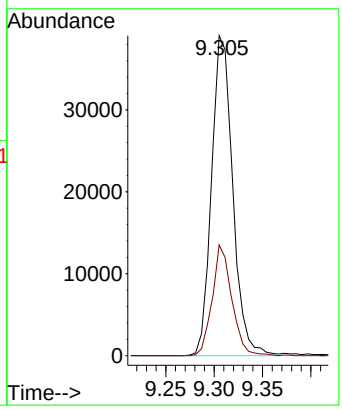


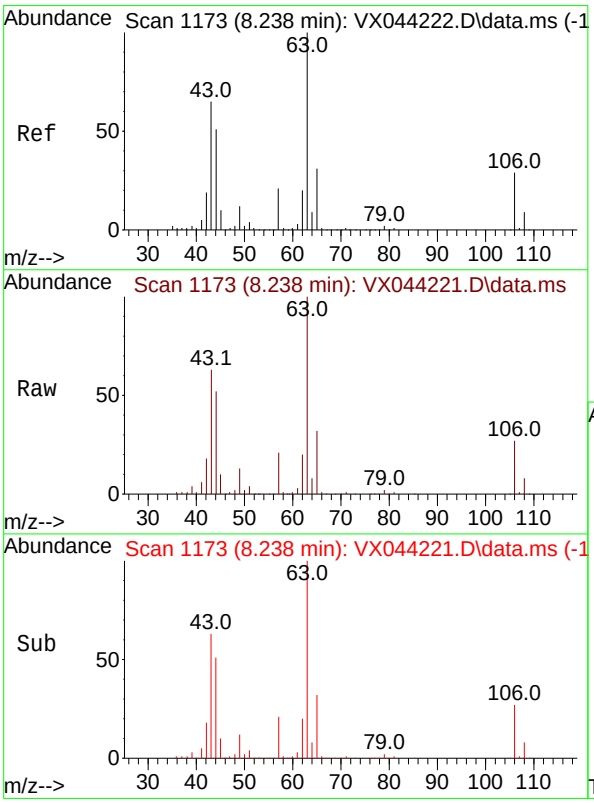
#57
1,3-Dichloropropane
Concen: 19.827 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 59489

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.5	39.7

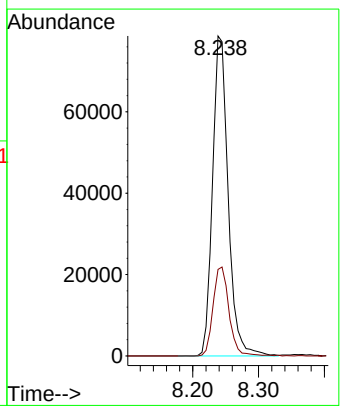


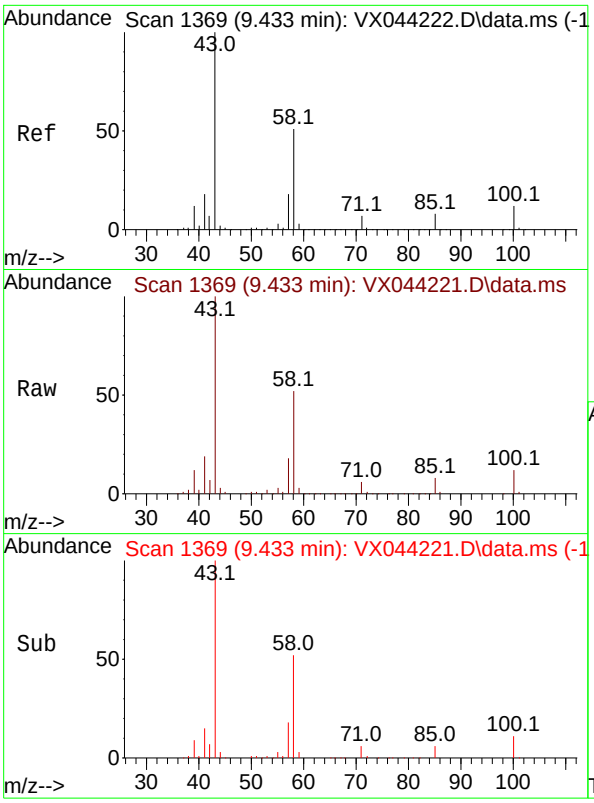


#58
2-Chloroethyl Vinyl ether
Concen: 94.642 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 63 Resp: 129900

Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.8	34.2



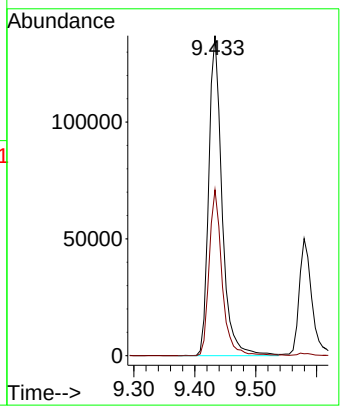


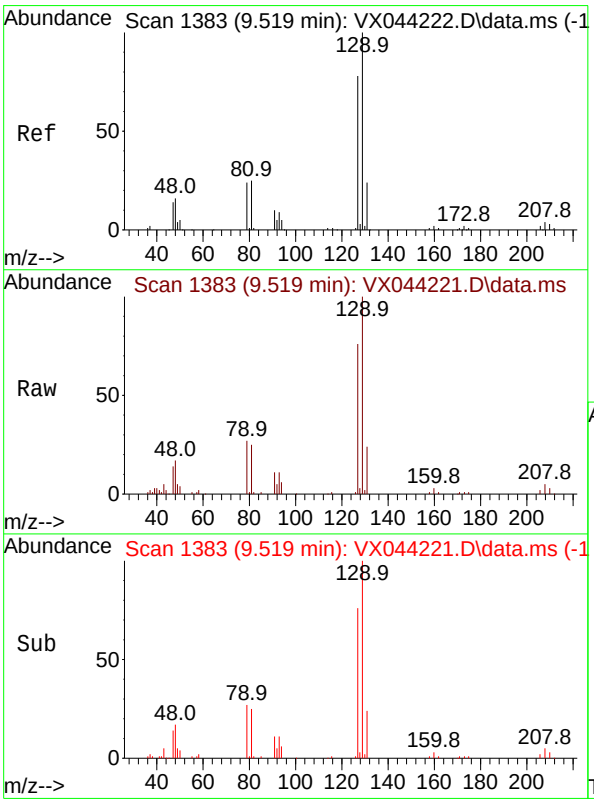
#59
2-Hexanone
Concen: 101.440 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 207578

Ion	Ratio	Lower	Upper
43	100		
58	50.4	25.7	77.0

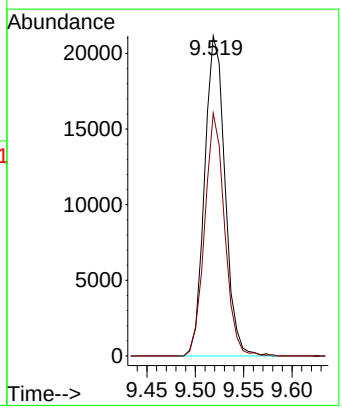


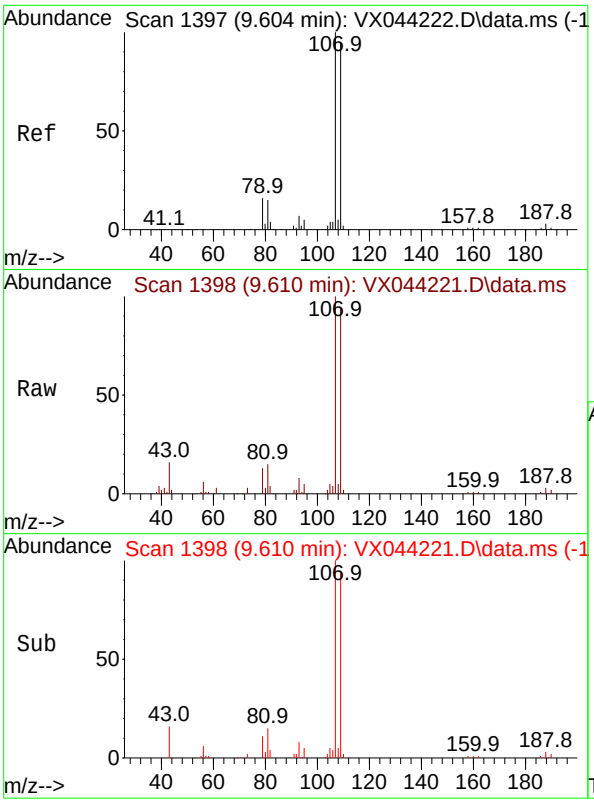


#60
Dibromochloromethane
Concen: 18.318 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:129 Resp: 31066

Ion	Ratio	Lower	Upper
129	100		
127	74.1	38.5	115.3



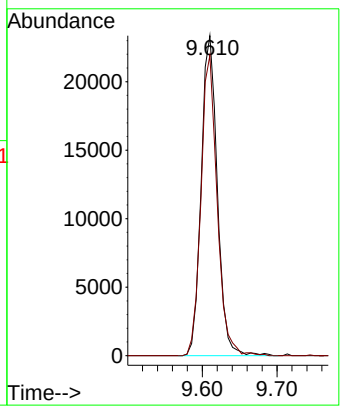


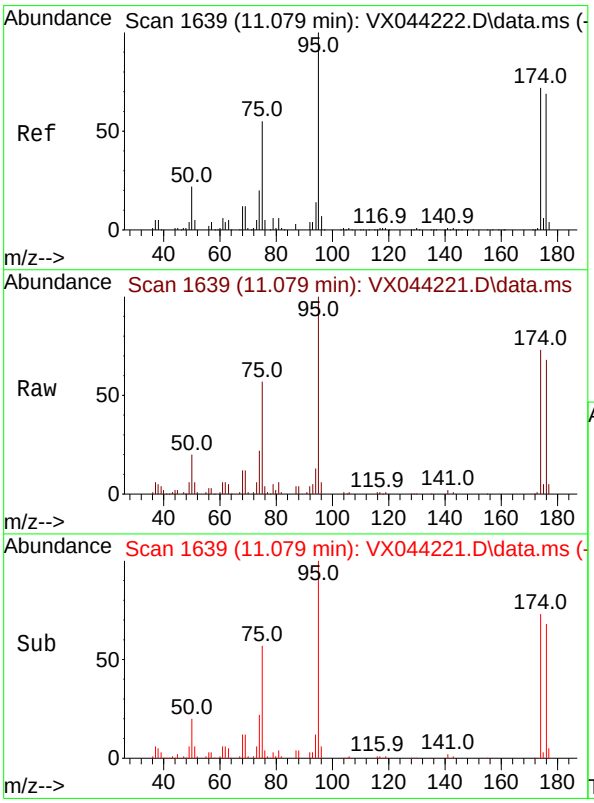
#61
1,2-Dibromoethane
Concen: 19.935 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 34978

Ion	Ratio	Lower	Upper
107	100		
109	94.4	77.0	115.4

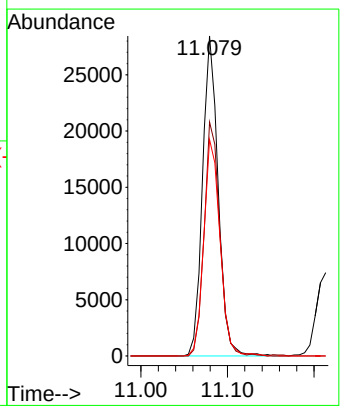


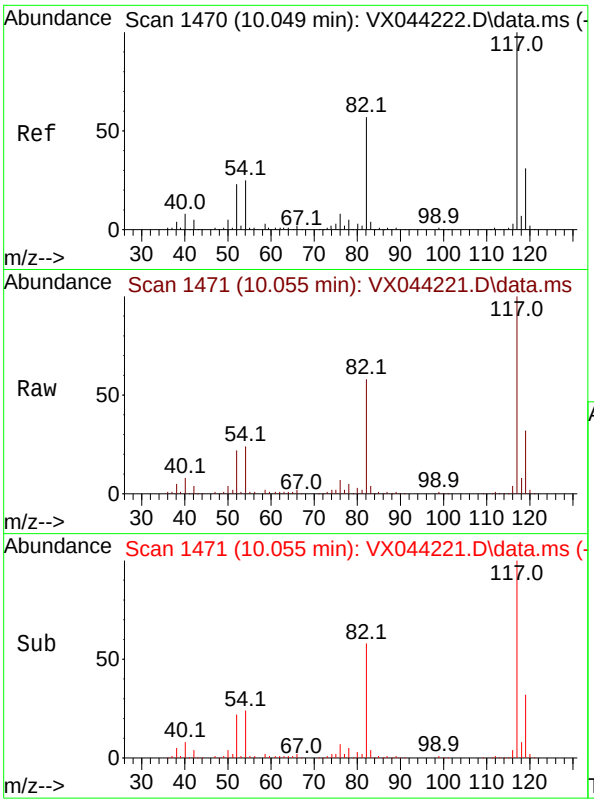


#62
4-Bromofluorobenzene
Concen: 17.175 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 95 Resp: 35645

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	145.8
176	70.5	0.0	137.8



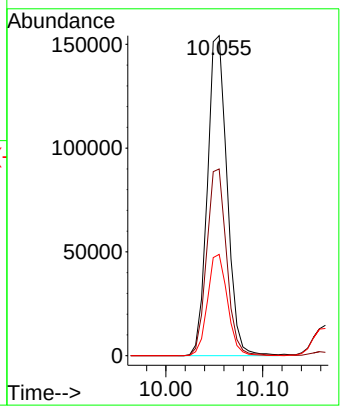


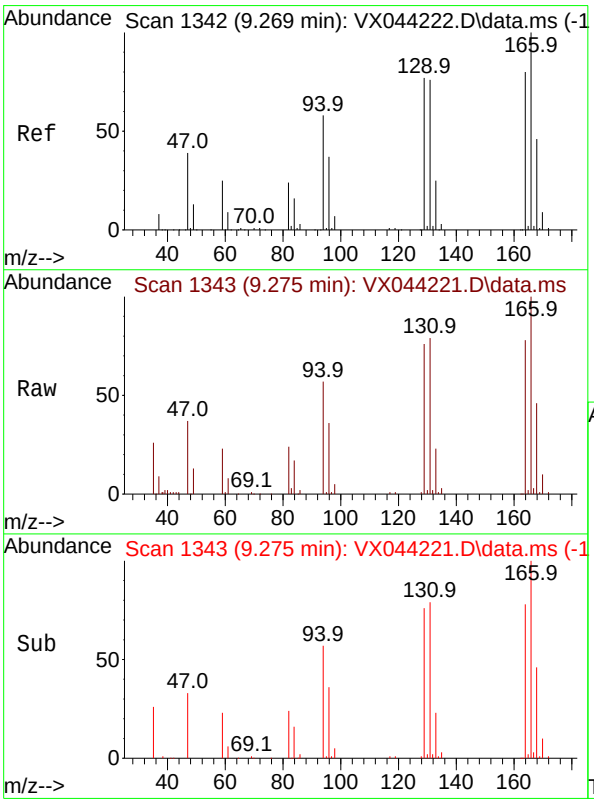
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 218148

Ion	Ratio	Lower	Upper
117	100		
82	58.3	45.8	68.8
119	31.6	25.0	37.4

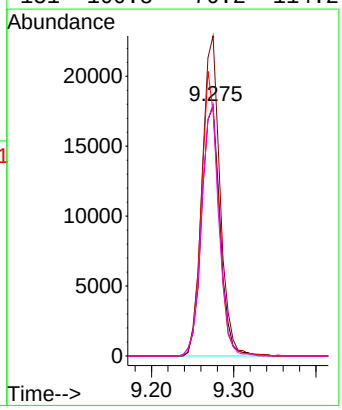


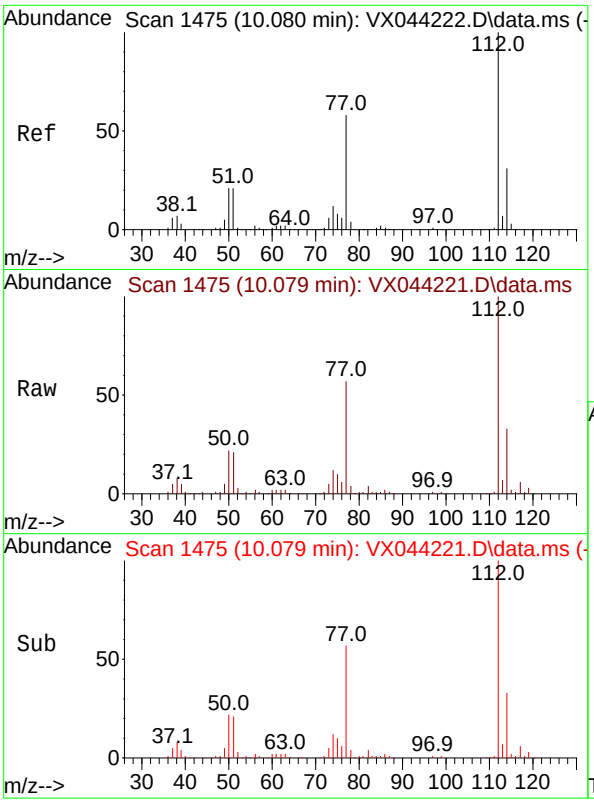


#64
Tetrachloroethene
Concen: 19.133 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:164 Resp: 27702

Ion	Ratio	Lower	Upper
164	100		
166	128.0	100.4	150.6
129	97.5	77.2	115.8
131	100.8	76.2	114.2



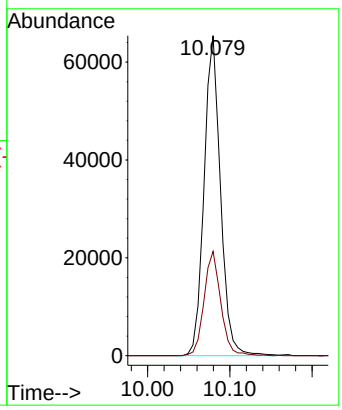


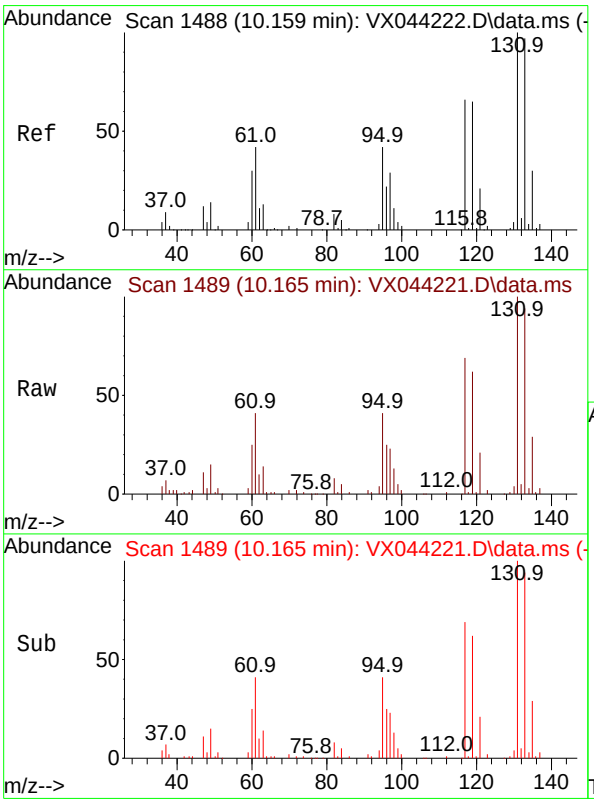
#65
Chlorobenzene
Concen: 19.389 ug/l
RT: 10.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 90631

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.0	37.6

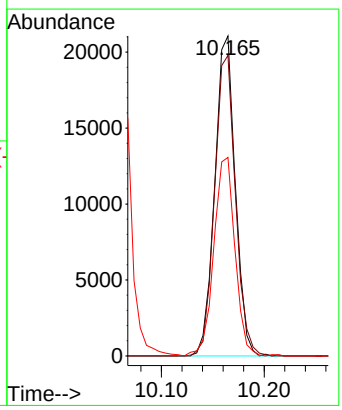


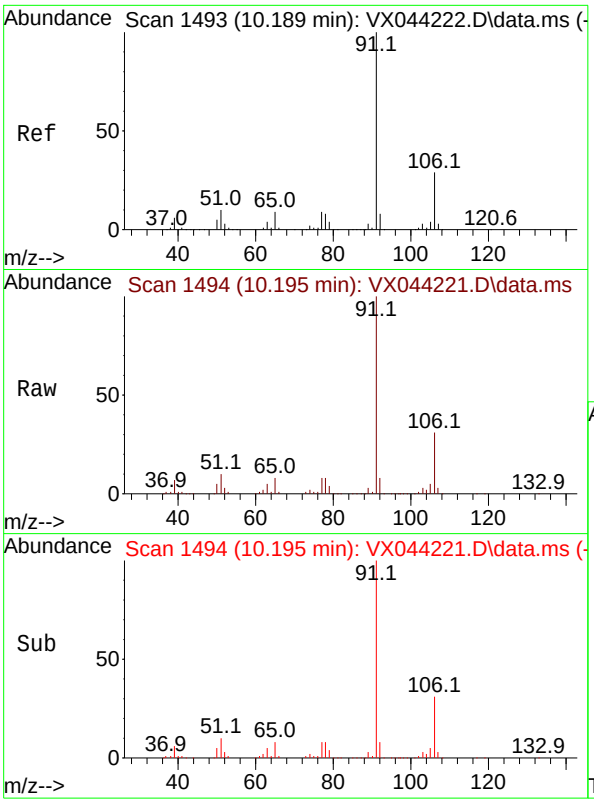


#66
1,1,1,2-Tetrachloroethane
Concen: 19.392 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:131 Resp: 29132

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	141.8
119	64.0	31.6	95.0



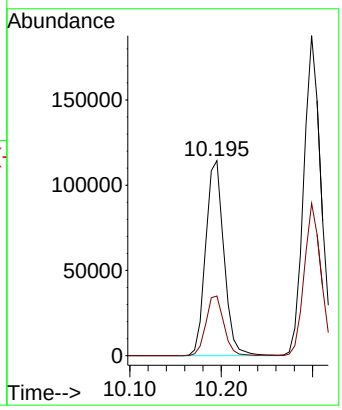


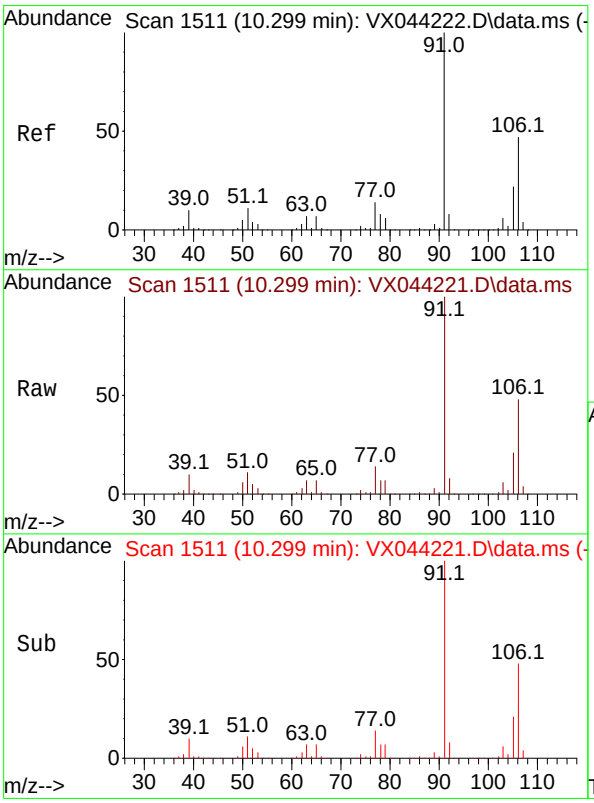
#67
Ethyl Benzene
Concen: 19.619 ug/l
RT: 10.195 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 158455

Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.5	35.3

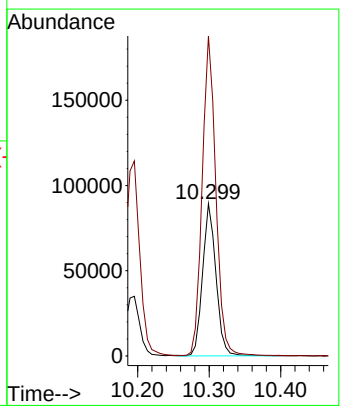


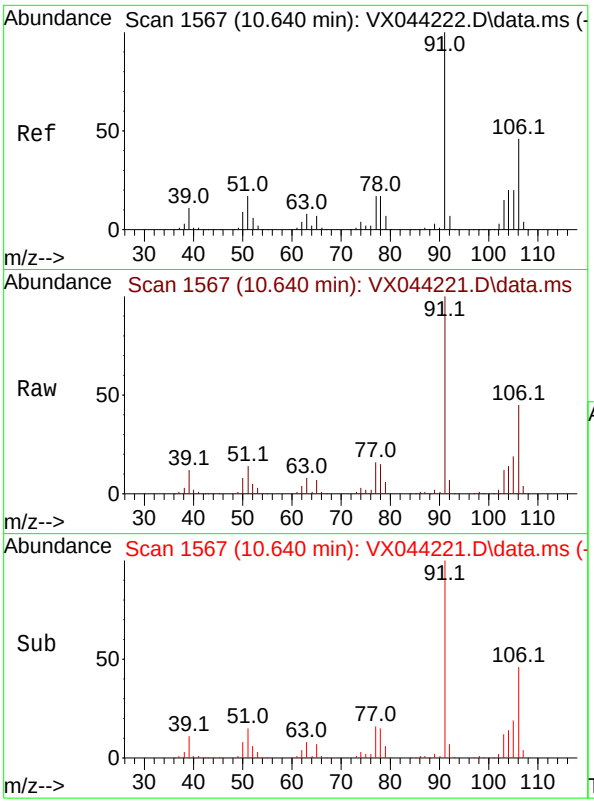


#68
m/p-Xylenes
Concen: 39.183 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:106 Resp: 116126

Ion	Ratio	Lower	Upper
106	100		
91	215.5	170.2	255.2



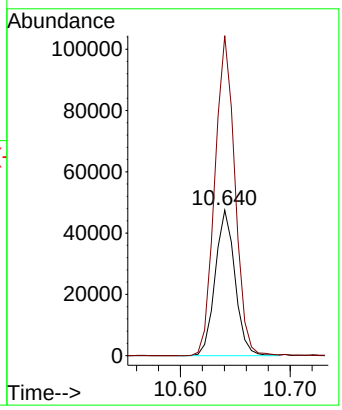


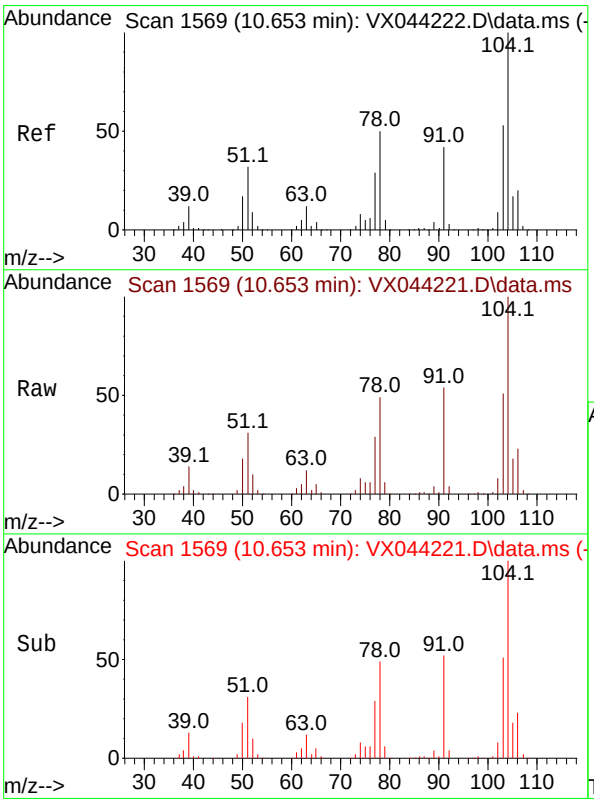
#69
o-Xylene
Concen: 19.938 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 59787

Ion	Ratio	Lower	Upper
106	100		
91	223.6	112.3	337.0

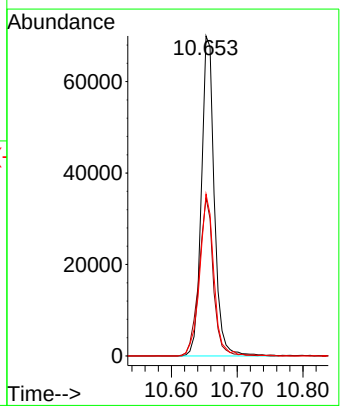


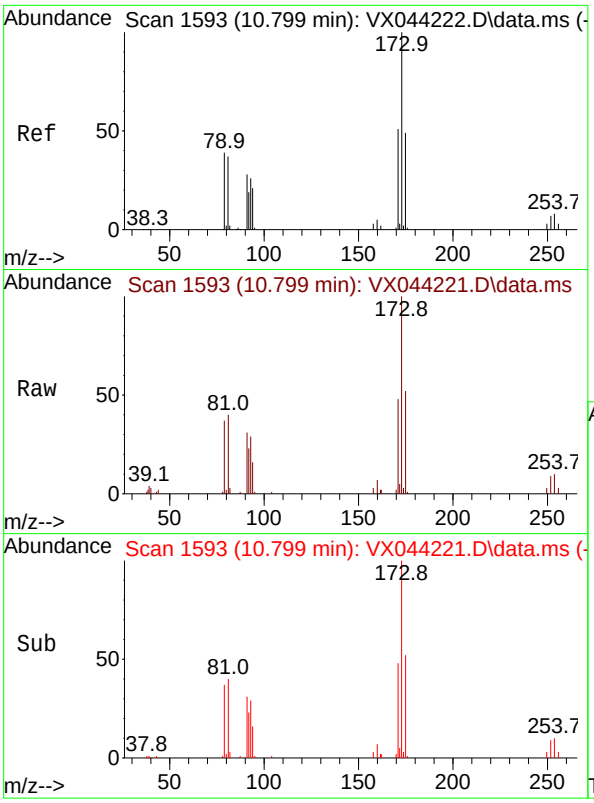


#70
Styrene
Concen: 19.946 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:104 Resp: 95883

Ion	Ratio	Lower	Upper
104	100		
78	54.7	44.6	67.0
103	55.2	45.4	68.0



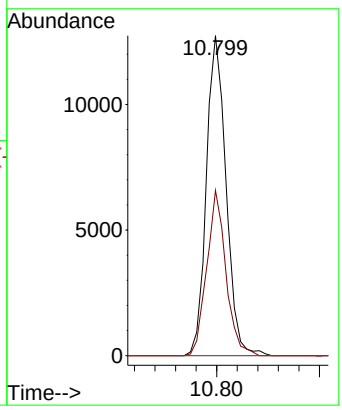


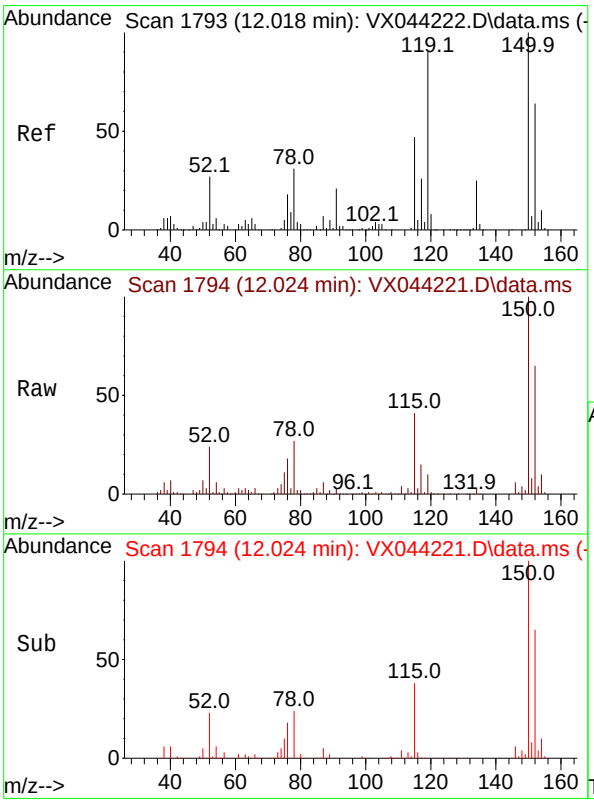
#71
Bromoform
Concen: 18.112 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 16924

Ion	Ratio	Lower	Upper
173	100		
175	50.5	23.8	71.4
254	0.0	0.0	0.0

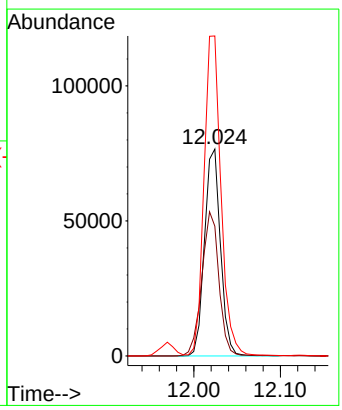


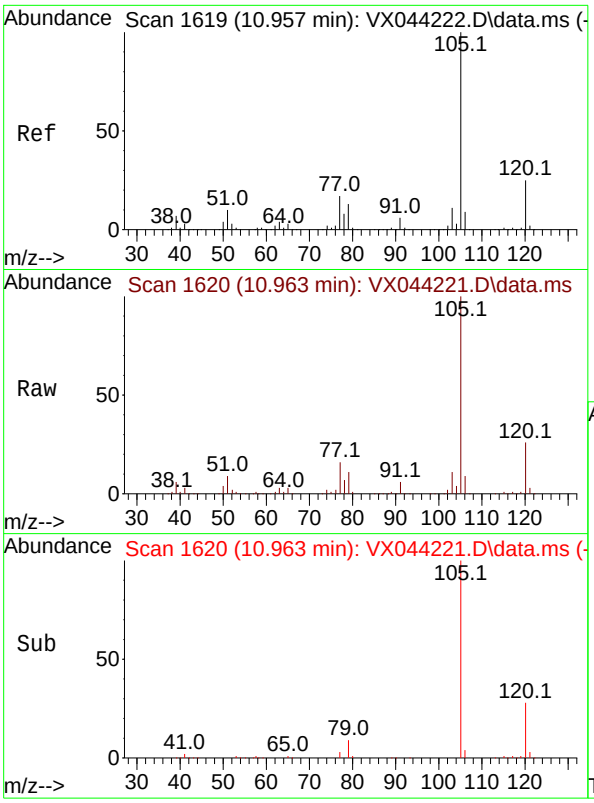


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:152 Resp: 98180

Ion	Ratio	Lower	Upper
152	100		
115	74.8	44.5	133.3
150	164.2	0.0	353.8



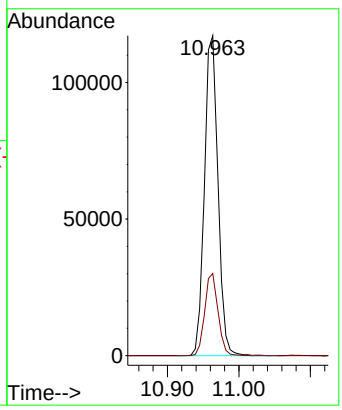


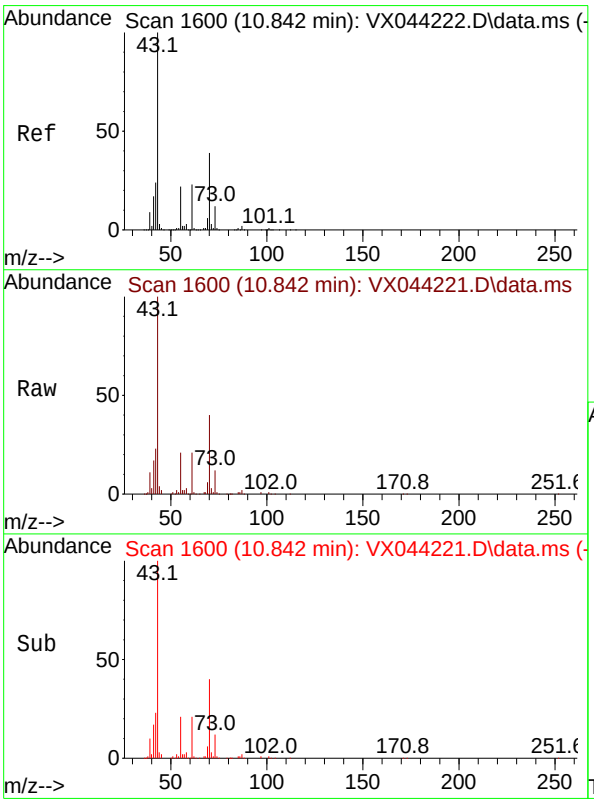
#73
Isopropylbenzene
Concen: 20.481 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 153935

Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.1	39.3

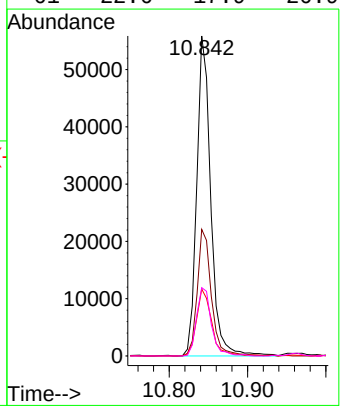


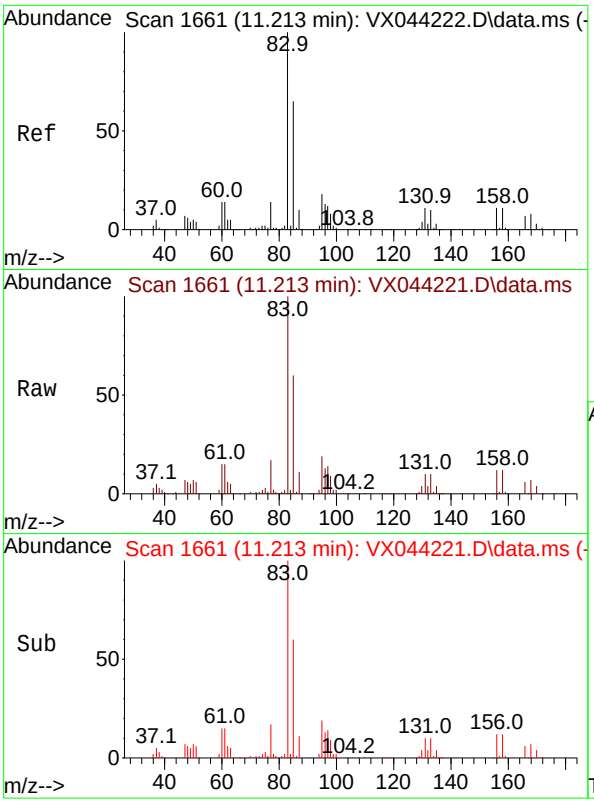


#74
N-amyl acetate
Concen: 20.049 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 43 Resp: 69643

Ion	Ratio	Lower	Upper
43	100		
70	39.8	31.9	47.9
55	22.8	17.9	26.9
61	22.6	17.9	26.9



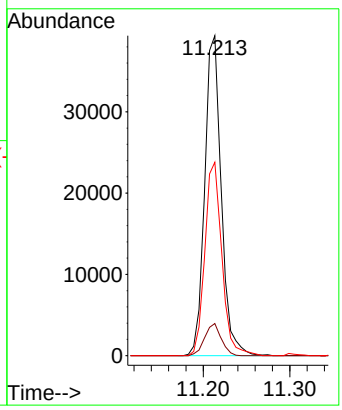


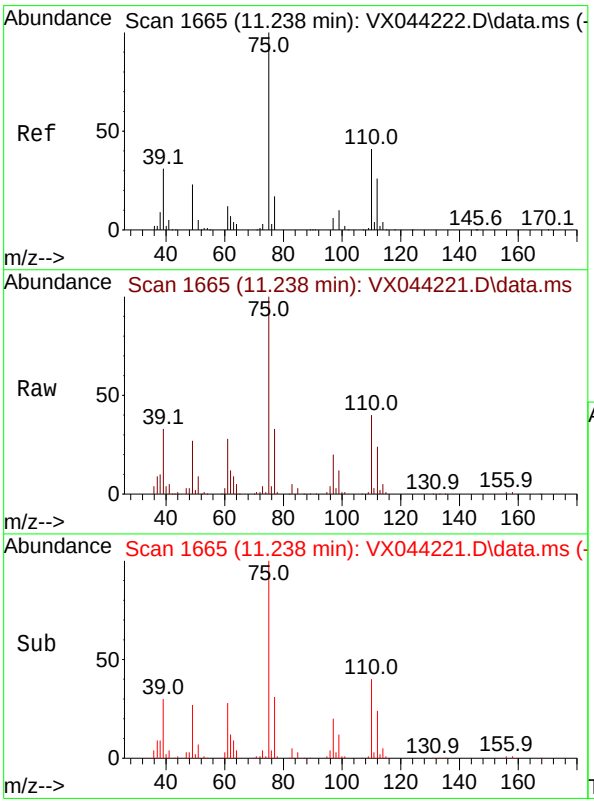
#75
1,1,2,2-Tetrachloroethane
Concen: 20.039 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 52312

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.4
85	62.1	32.5	97.4

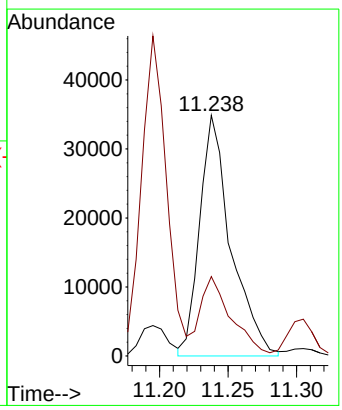


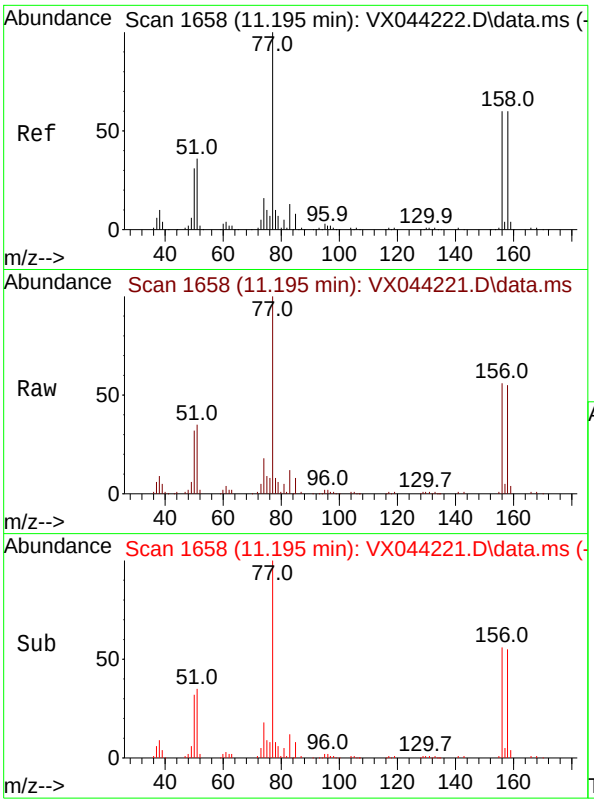


#76
1,2,3-Trichloropropane
Concen: 24.859 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 75 Resp: 55384

Ion	Ratio	Lower	Upper
75	100		
77	33.2	20.9	62.7



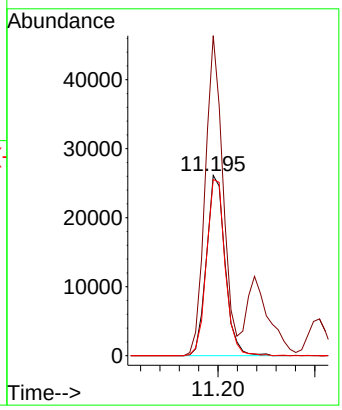


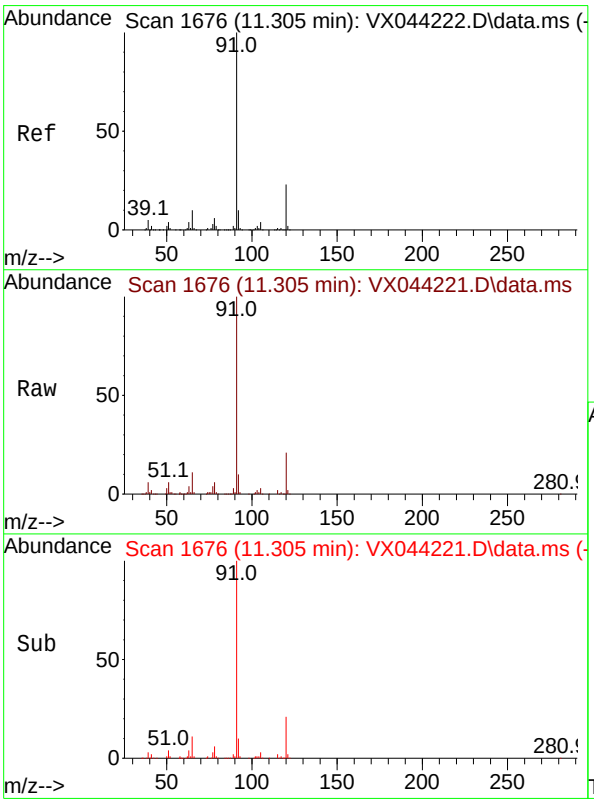
#77
Bromobenzene
Concen: 19.176 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 34951

Ion	Ratio	Lower	Upper
156	100		
77	169.4	82.6	247.8
158	98.1	48.8	146.4

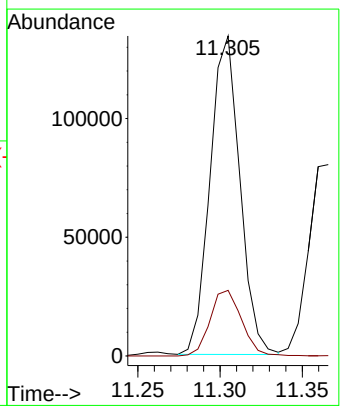


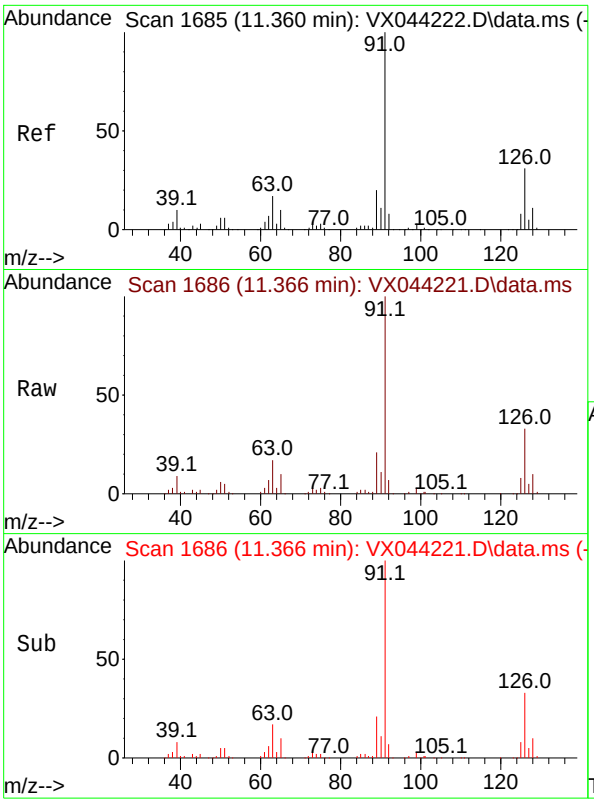


#78
n-propylbenzene
Concen: 20.419 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 91 Resp: 169622

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.0	33.0



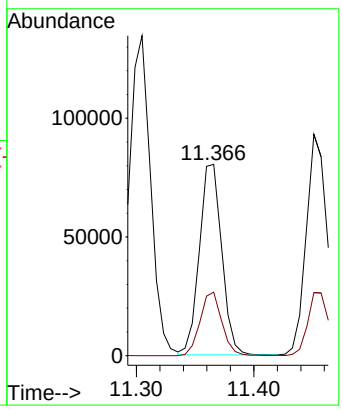


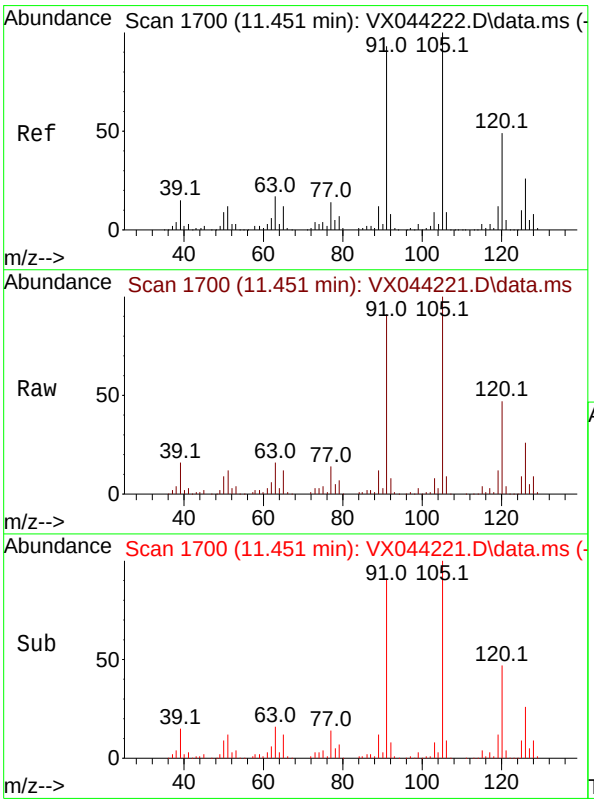
#79
2-Chlorotoluene
Concen: 19.788 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 106310

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.4	49.1

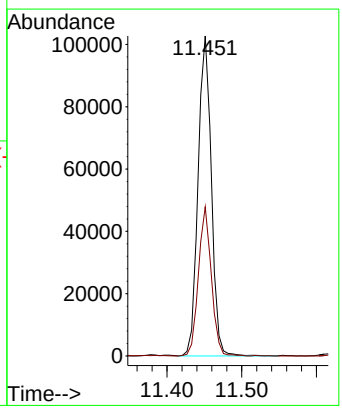


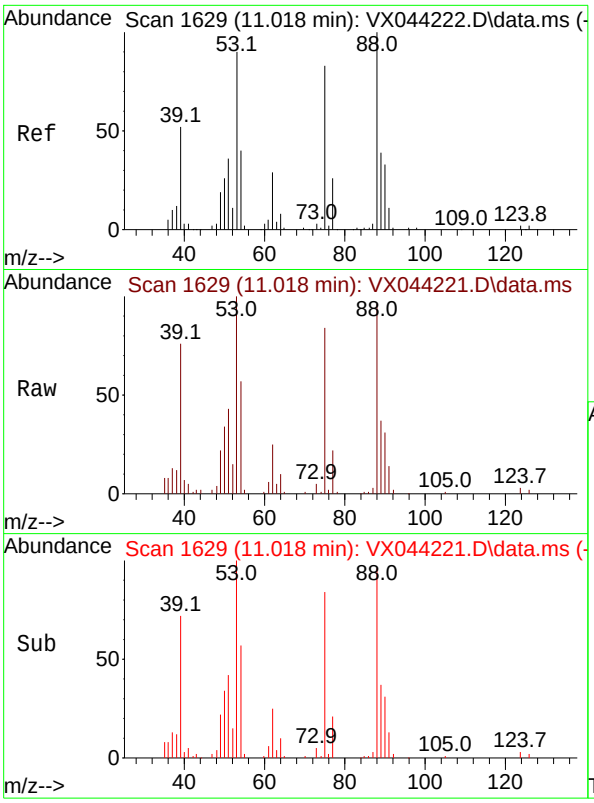


#80
1,3,5-Trimethylbenzene
Concen: 20.315 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:105 Resp: 126626

Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.8	71.4



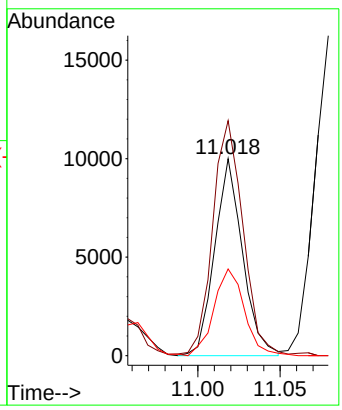


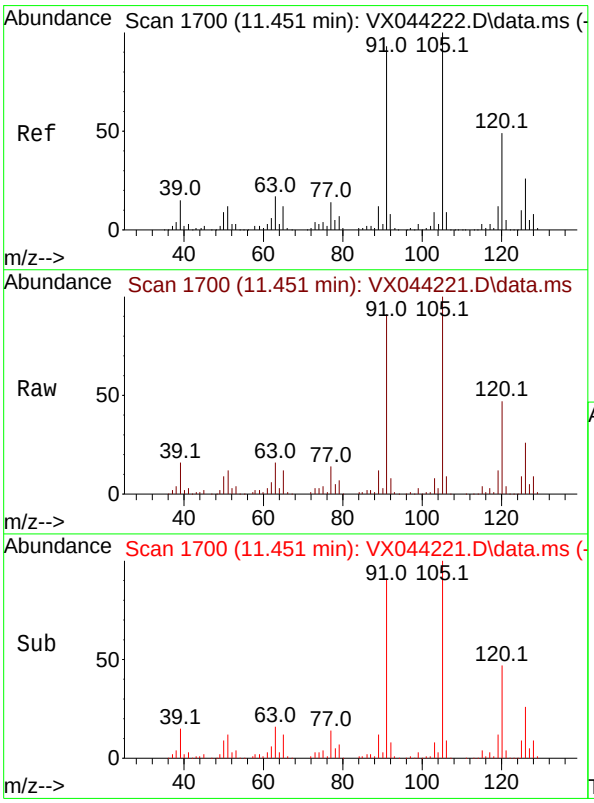
#81
trans-1,4-Dichloro-2-butene
Concen: 19.264 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 11784

Ion	Ratio	Lower	Upper
75	100		
53	130.8	93.6	140.4
89	48.1	37.3	55.9

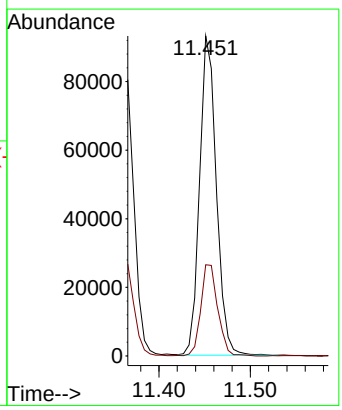


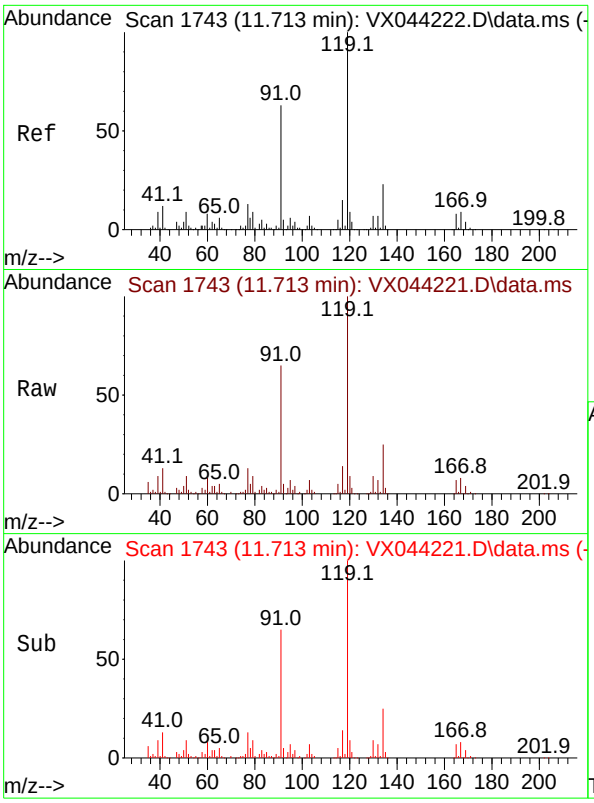


#82
4-Chlorotoluene
Concen: 19.886 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 91 Resp: 118309

Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.5	43.5



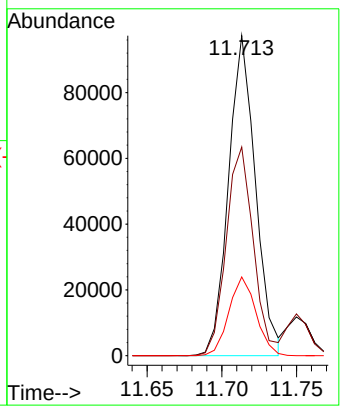


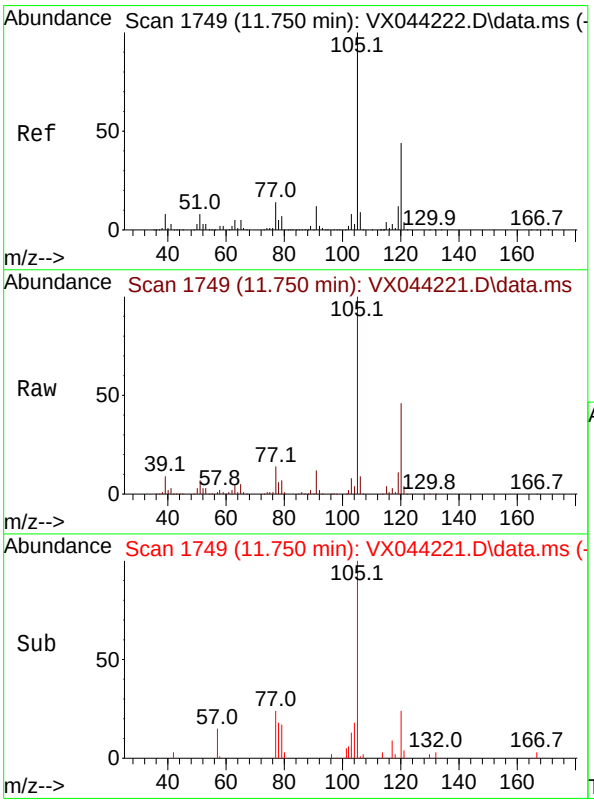
#83
tert-Butylbenzene
Concen: 19.794 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 121929

Ion	Ratio	Lower	Upper
119	100		
91	66.0	30.9	92.5
134	24.8	11.5	34.4

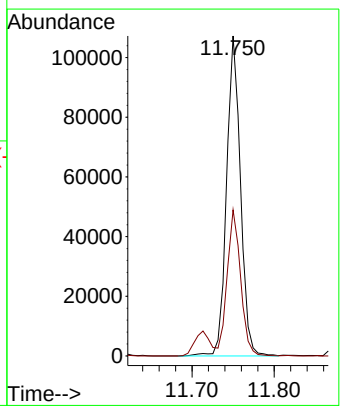


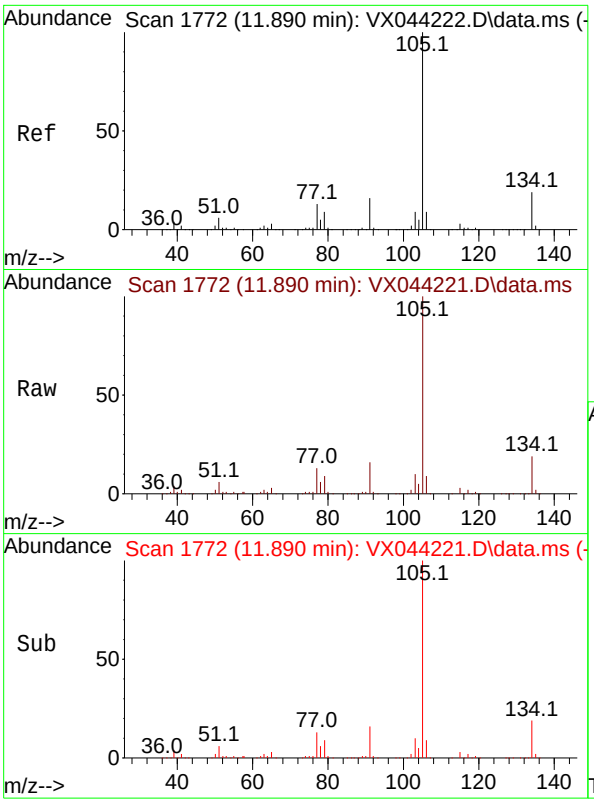


#84
1,2,4-Trimethylbenzene
Concen: 20.574 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:105 Resp: 125939

Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.7	65.1



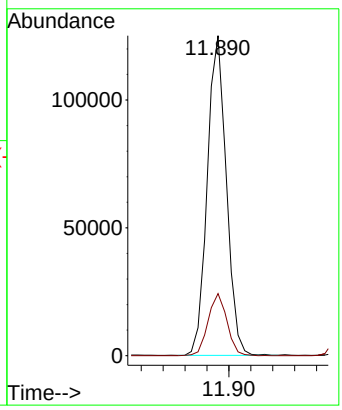


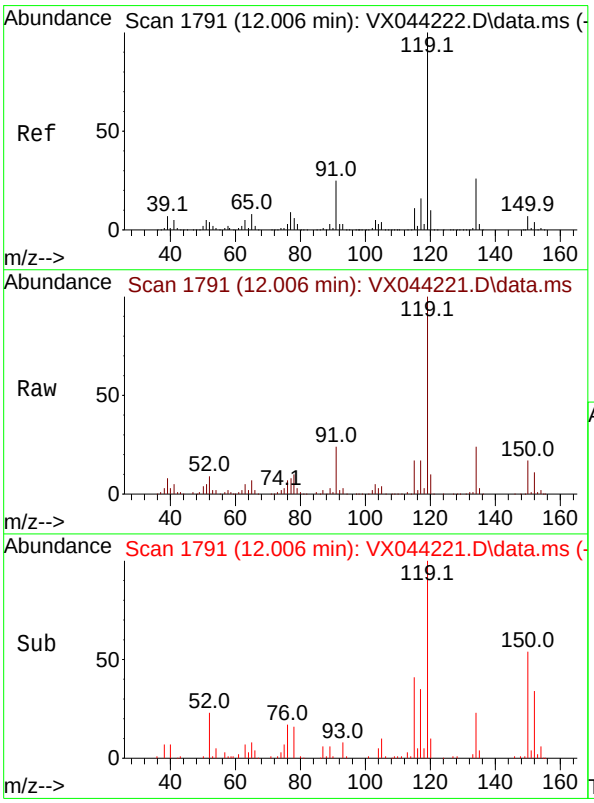
#85
sec-Butylbenzene
Concen: 20.165 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 150795

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.4

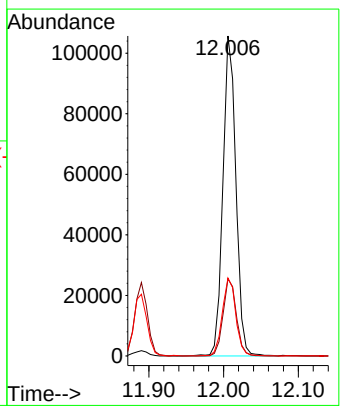


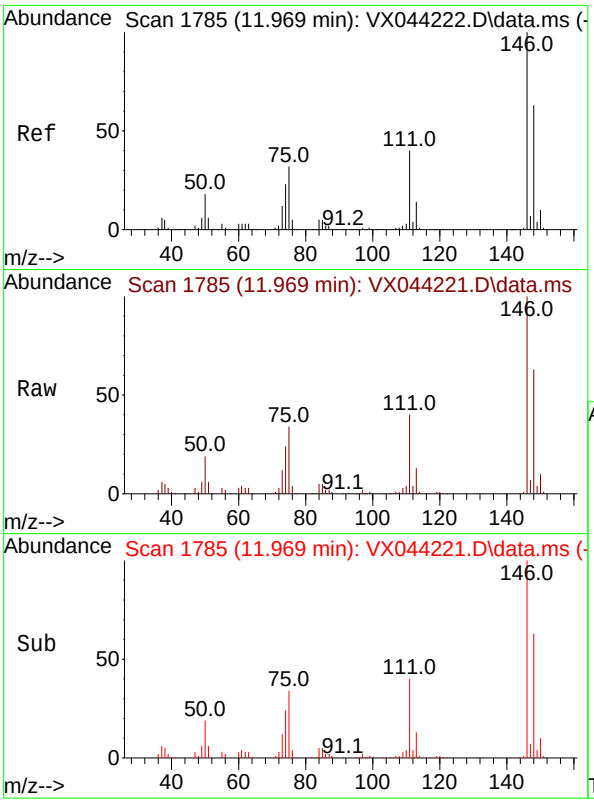


#86
p-Isopropyltoluene
Concen: 20.532 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:119 Resp: 127790

Ion	Ratio	Lower	Upper
119	100		
134	24.6	12.8	38.4
91	25.4	13.0	39.0



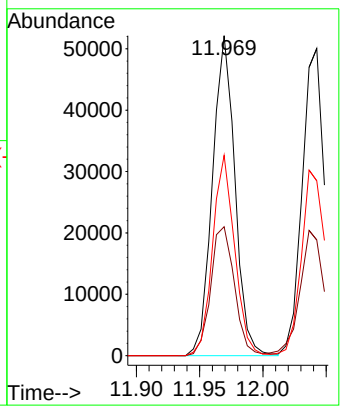


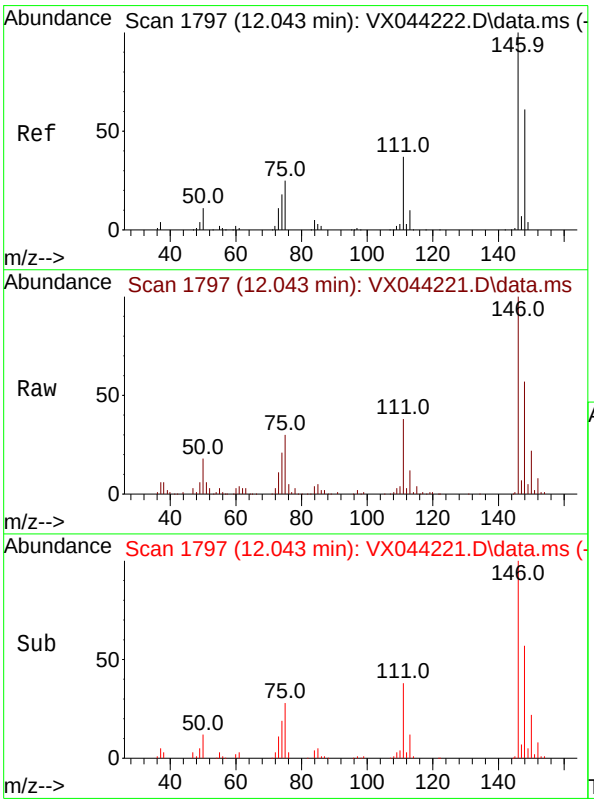
#87
1,3-Dichlorobenzene
Concen: 20.228 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 64399

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.4	64.2
148	61.4	31.7	95.1

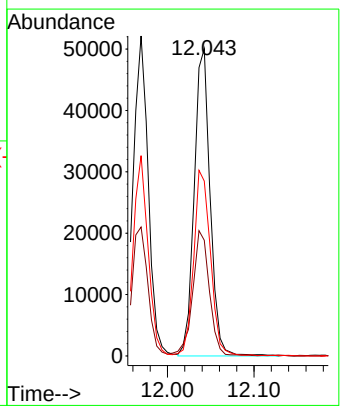


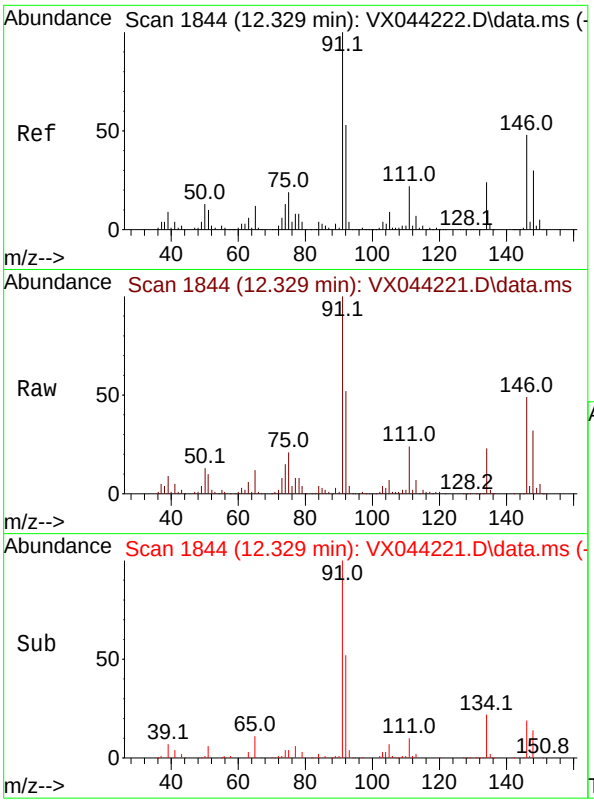


#88
1,4-Dichlorobenzene
Concen: 19.588 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:146 Resp: 64106

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.0	63.0
148	63.2	32.3	96.8



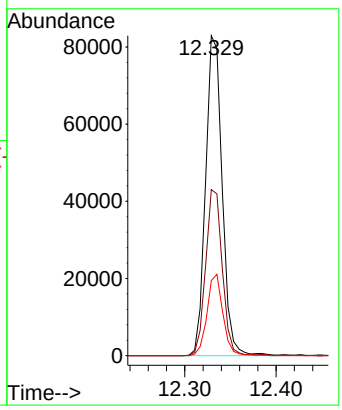


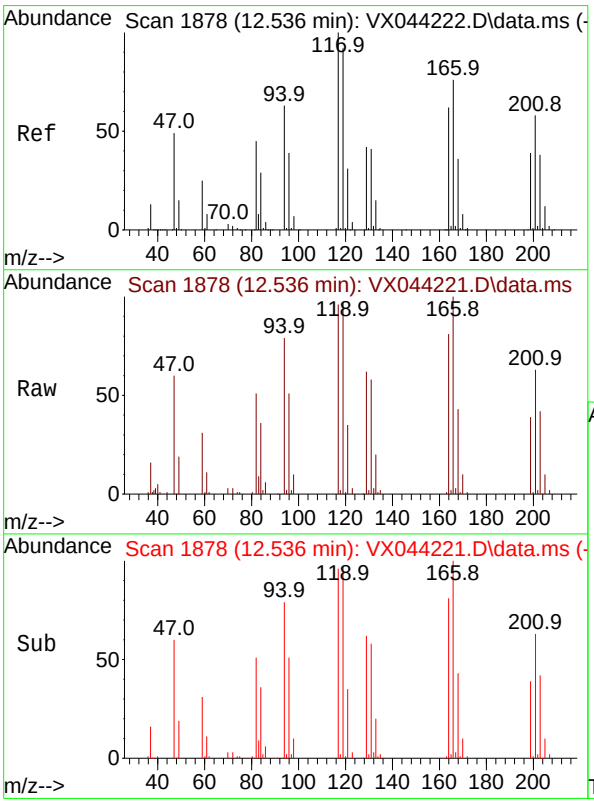
#89
n-Butylbenzene
Concen: 19.950 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 104410

Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.6	79.7
134	24.4	12.6	37.8

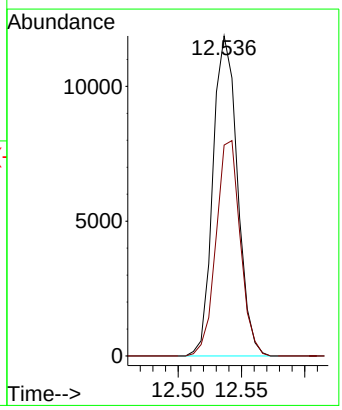


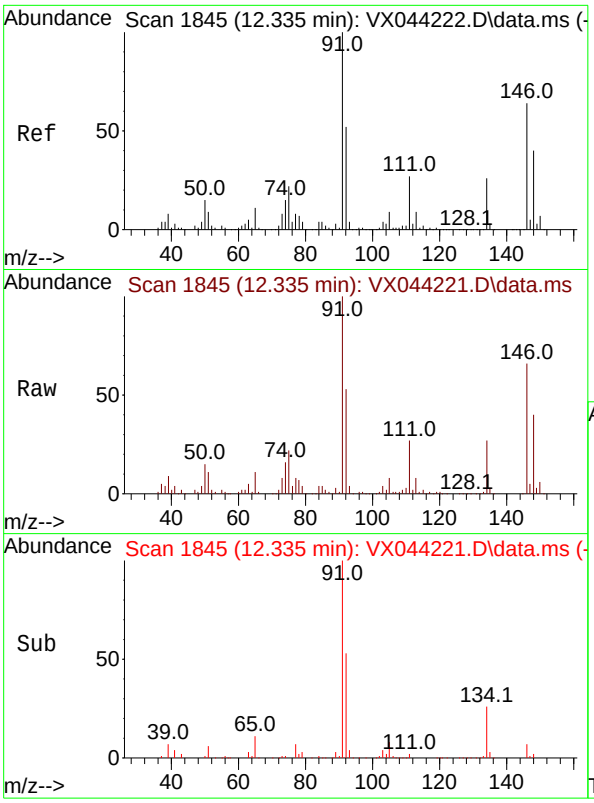


#90
Hexachloroethane
Concen: 17.543 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:117 Resp: 15939

Ion	Ratio	Lower	Upper
117	100		
201	66.8	31.4	94.2



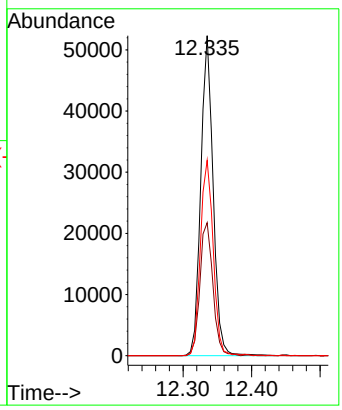


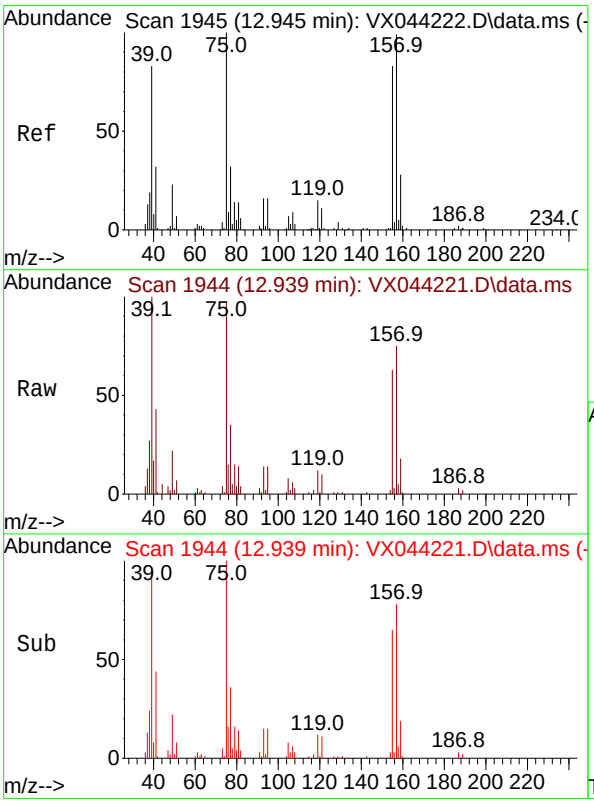
#91
1,2-Dichlorobenzene
Concen: 19.817 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 65511

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.4	64.3
148	63.5	31.6	95.0

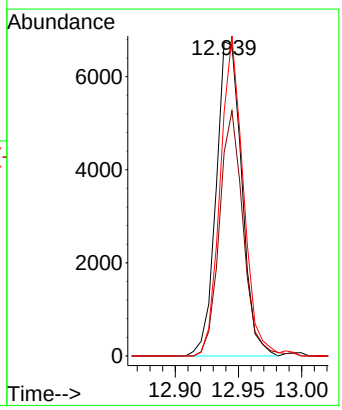


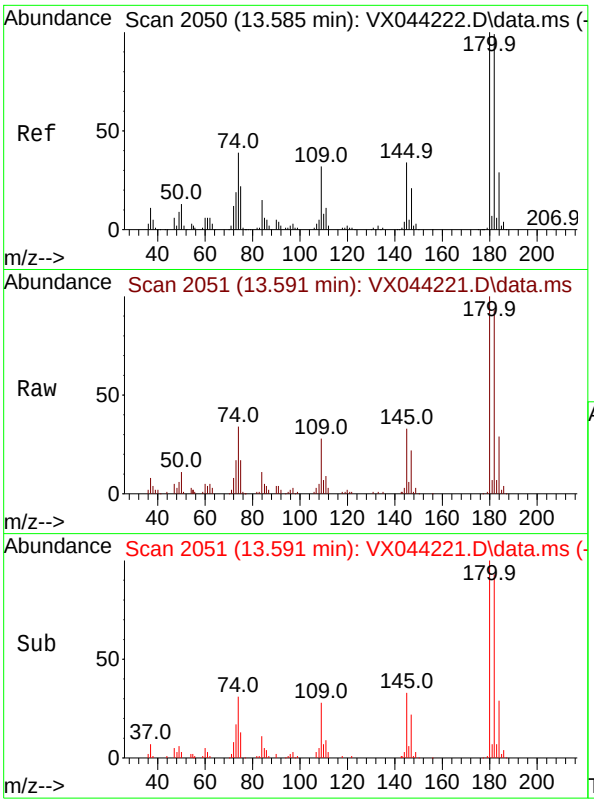


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.683 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion: 75 Resp: 9468

Ion	Ratio	Lower	Upper
75	100		
155	72.1	38.1	114.3
157	92.2	47.2	141.6



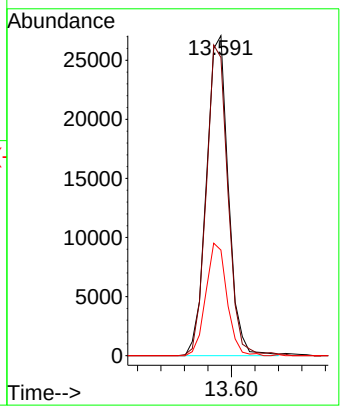


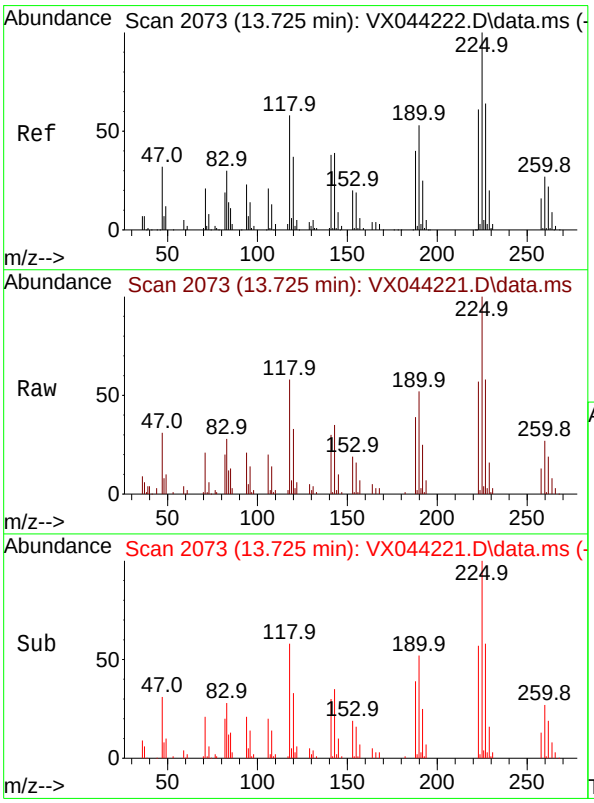
#93
1,2,4-Trichlorobenzene
Concen: 19.313 ug/l
RT: 13.591 min Scan# 2(
Delta R.T. 0.006 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 35001

Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.0	144.2
145	33.9	16.6	49.7

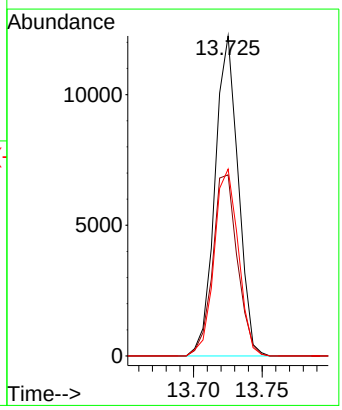


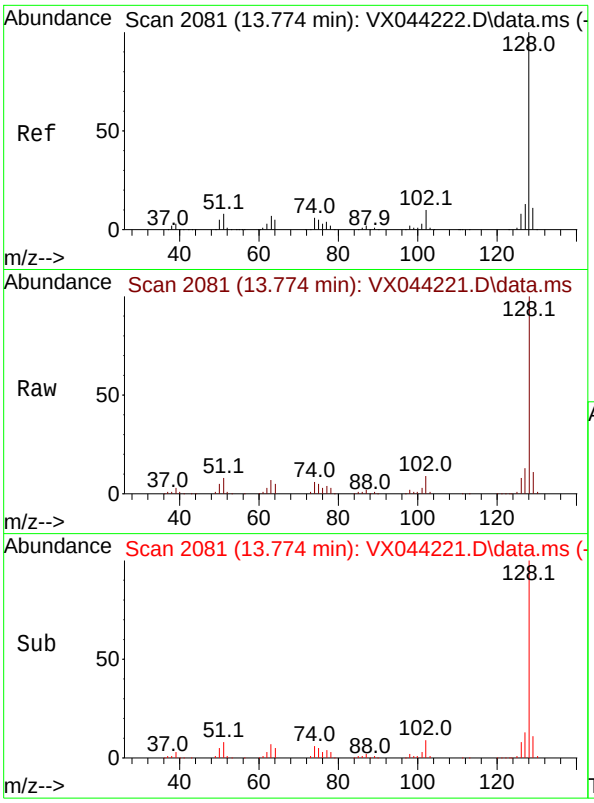


#94
Hexachlorobutadiene
Concen: 19.774 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:225 Resp: 14415

Ion	Ratio	Lower	Upper
225	100		
223	60.5	30.8	92.4
227	60.9	32.1	96.3



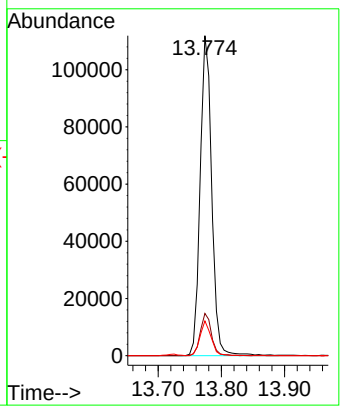


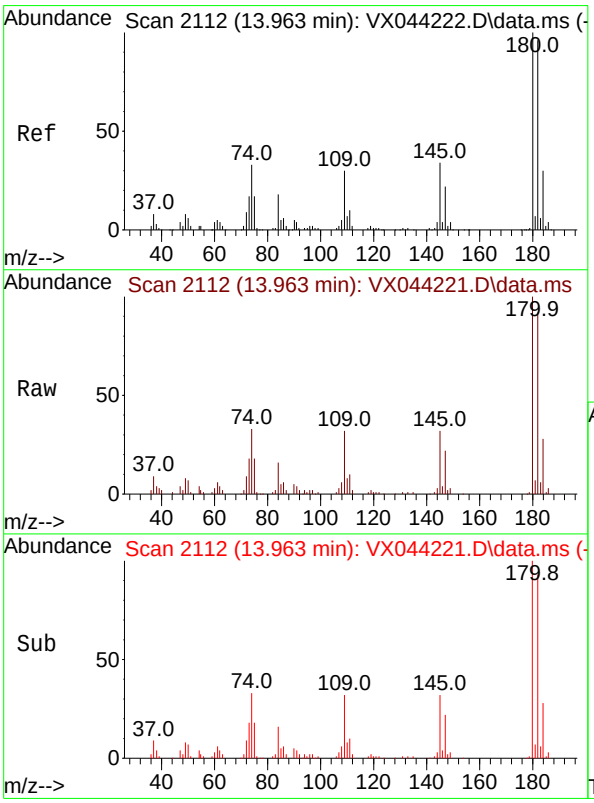
#95
Naphthalene
Concen: 20.146 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 142515

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.4	9.0	13.4

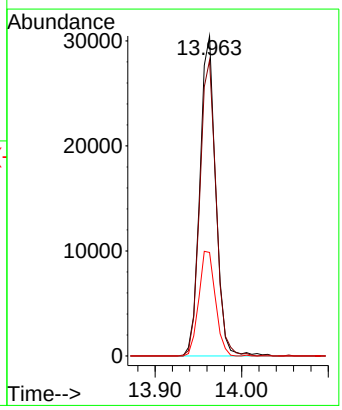




#96
1,2,3-Trichlorobenzene
Concen: 20.101 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044221.D
Acq: 11 Dec 2024 11:50

Tgt Ion:180 Resp: 38639

Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.0	144.0
145	34.3	17.7	53.1



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044222.D
Acq On : 11 Dec 2024 12:14
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Dec 12 04:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.550	168	125713	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	233488	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.049	117	205196	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	95227	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.952	65	115815	52.544 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.080%		
35) Dibromofluoromethane	5.385	113	85656	52.968 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.940%		
50) Toluene-d8	8.647	98	292199	53.559 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.120%		
62) 4-Bromofluorobenzene	11.079	95	103178	54.123 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.240%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.167	85	99052	50.957 ug/l	100
3) Chloromethane	1.295	50	94981	51.097 ug/l	100
4) Vinyl Chloride	1.374	62	98852	51.045 ug/l	100
5) Bromomethane	1.593	94	69250	50.405 ug/l	100
6) Chloroethane	1.666	64	66862	55.448 ug/l	100
7) Trichlorofluoromethane	1.868	101	193676	51.086 ug/l	100
8) Diethyl Ether	2.136	74	64542	49.875 ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	77275	50.371 ug/l	100
10) Methyl Iodide	2.441	142	106509	52.678 ug/l	100
11) Tert butyl alcohol	2.995	59	80988	261.121 ug/l	98
12) 1,1-Dichloroethene	2.307	96	74884	53.143 ug/l	100
13) Acrolein	2.239	56	116171	258.347 ug/l	100
14) Allyl chloride	2.654	41	126925	54.079 ug/l	100
15) Acrylonitrile	3.069	53	225330	261.859 ug/l	100
16) Acetone	2.392	43	239661	266.704 ug/l	100
17) Carbon Disulfide	2.502	76	144624	53.994 ug/l	100
18) Methyl Acetate	2.709	43	119808	51.710 ug/l	100
19) Methyl tert-butyl Ether	3.117	73	289735	52.691 ug/l	100
20) Methylene Chloride	2.782	84	86593	51.305 ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	77834	51.974 ug/l	100
22) Diisopropyl ether	3.764	45	273039	51.662 ug/l	100
23) Vinyl Acetate	3.721	43	1202044	279.754 ug/l	100
24) 1,1-Dichloroethane	3.605	63	156412	53.093 ug/l	100
25) 2-Butanone	4.562	43	344663	269.797 ug/l	100
26) 2,2-Dichloropropane	4.465	77	131428	54.914 ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	97013	51.007 ug/l	100
28) Bromochloromethane	4.898	49	74477	51.555 ug/l	100
29) Tetrahydrofuran	5.007	42	212103	258.669 ug/l	100
30) Chloroform	5.087	83	168864	51.017 ug/l	100
31) Cyclohexane	5.465	56	122841	51.637 ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	147834	53.806 ug/l	100
36) 1,1-Dichloropropene	5.690	75	103760	49.638 ug/l	100
37) Ethyl Acetate	4.721	43	135753	52.537 ug/l	100
38) Carbon Tetrachloride	5.672	117	117076	52.023 ug/l	100
39) Methylcyclohexane	7.373	83	129697	51.901 ug/l	100
40) Benzene	6.031	78	329154	51.863 ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044222.D
Acq On : 11 Dec 2024 12:14
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Dec 12 04:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	70427	51.329 ug/l	100
42) 1,2-Dichloroethane	6.086	62	136309	52.138 ug/l	100
43) Isopropyl Acetate	6.342	43	213891	52.961 ug/l	100
44) Trichloroethene	7.123	130	81542	51.521 ug/l	100
45) 1,2-Dichloropropane	7.428	63	83376	51.420 ug/l	100
46) Dibromomethane	7.580	93	66786	53.092 ug/l	100
47) Bromodichloromethane	7.824	83	118634	54.607 ug/l	100
48) Methyl methacrylate	7.696	41	103726	52.909 ug/l	100
49) 1,4-Dioxane	7.671	88	28266	843.658 ug/l #	77
51) 4-Methyl-2-Pentanone	8.574	43	688666	265.203 ug/l	100
52) Toluene	8.714	92	204738	51.370 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	120007	51.362 ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	132286	55.923 ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	83488	52.729 ug/l	100
56) Ethyl methacrylate	9.116	69	134770	53.917 ug/l	100
57) 1,3-Dichloropropane	9.305	76	143044	51.904 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	342592	271.745 ug/l	100
59) 2-Hexanone	9.433	43	512906	272.881 ug/l	100
60) Dibromochloromethane	9.519	129	86352	51.400 ug/l	100
61) 1,2-Dibromoethane	9.604	107	86150	53.454 ug/l	100
64) Tetrachloroethene	9.269	164	65888	48.379 ug/l	100
65) Chlorobenzene	10.080	112	223269	50.779 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	76867	54.396 ug/l	100
67) Ethyl Benzene	10.189	91	395430	52.050 ug/l	100
68) m/p-Xylenes	10.299	106	290181	104.094 ug/l	100
69) o-Xylene	10.640	106	144247	51.141 ug/l	100
70) Styrene	10.653	104	238379	52.719 ug/l	100
71) Bromoform	10.799	173	50667	51.158 ug/l #	100
73) Isopropylbenzene	10.957	105	372519	51.100 ug/l	100
74) N-amyl acetate	10.842	43	182491	54.166 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	127193	50.233 ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	139805	64.698 ug/l	85
77) Bromobenzene	11.195	156	89687	50.734 ug/l	100
78) n-propylbenzene	11.305	91	428741	53.211 ug/l	100
79) 2-Chlorotoluene	11.360	91	263849	50.634 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	314986	52.102 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	35119	47.628 ug/l	100
82) 4-Chlorotoluene	11.451	91	296520	51.387 ug/l	100
83) tert-Butylbenzene	11.713	119	310320	51.940 ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	313338	52.776 ug/l	100
85) sec-Butylbenzene	11.890	105	379552	52.329 ug/l	100
86) p-Isopropyltoluene	12.006	119	318721	52.796 ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	160223	51.887 ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	159258	50.171 ug/l	100
89) n-Butylbenzene	12.329	91	270840	53.354 ug/l	100
90) Hexachloroethane	12.536	117	48303	54.813 ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	164342	51.256 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	26027	52.951 ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	93173	53.005 ug/l	100
94) Hexachlorobutadiene	13.725	225	35172	49.744 ug/l	100
95) Naphthalene	13.774	128	365234	53.230 ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	97000	52.027 ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044222.D
Acq On : 11 Dec 2024 12:14
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Dec 12 04:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

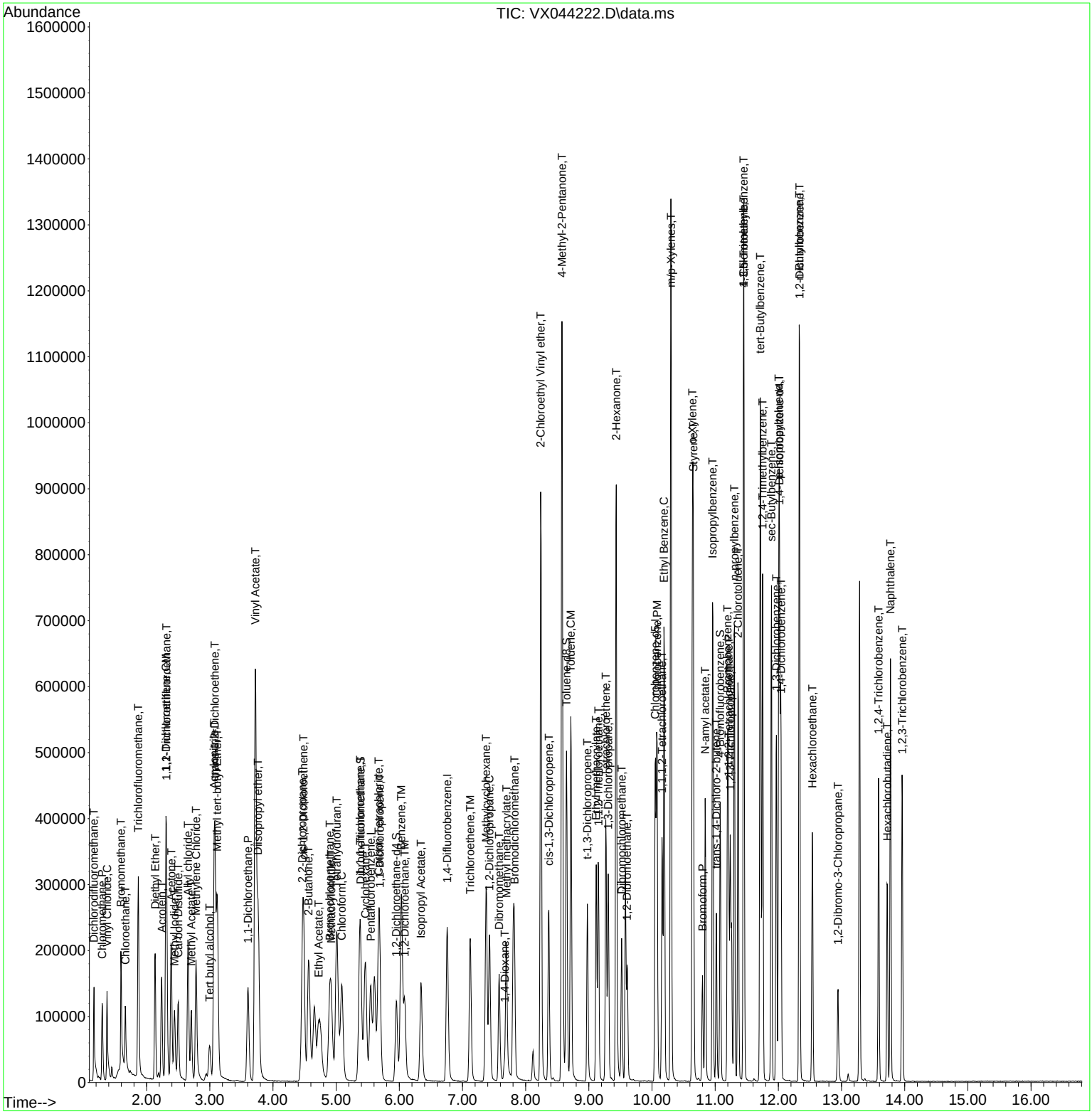
(#) = qualifier out of range (m) = manual integration (+) = signals summed

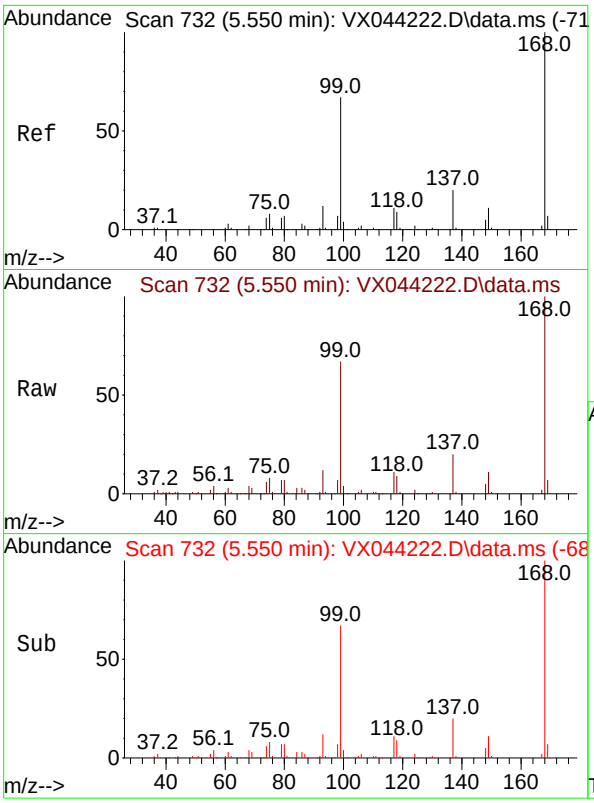
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044222.D
Acq On : 11 Dec 2024 12:14
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Dec 12 04:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration



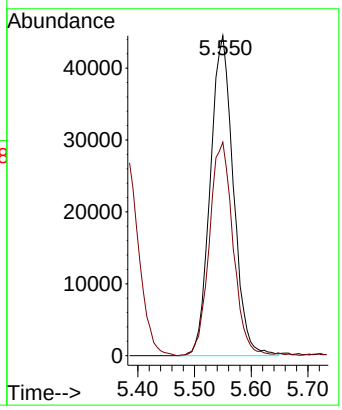


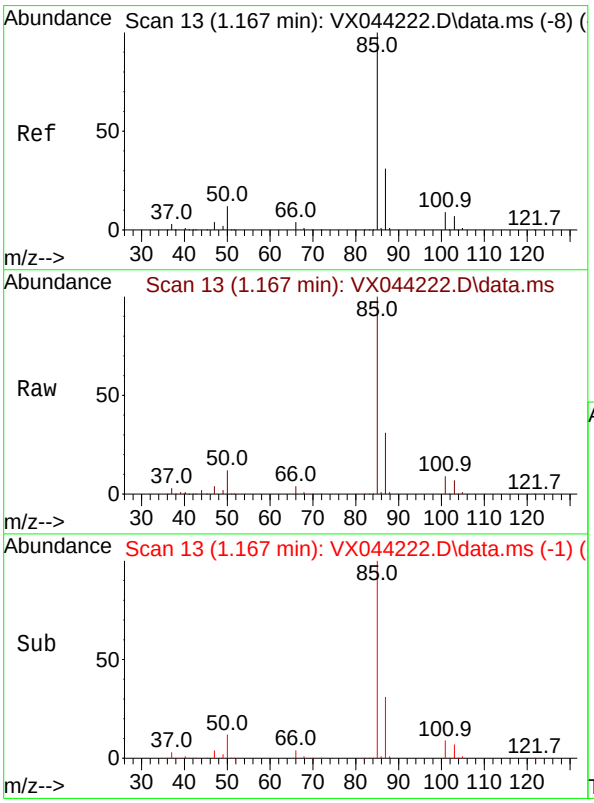
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 125713

Ion	Ratio	Lower	Upper
168	100		
99	66.7	53.4	80.0

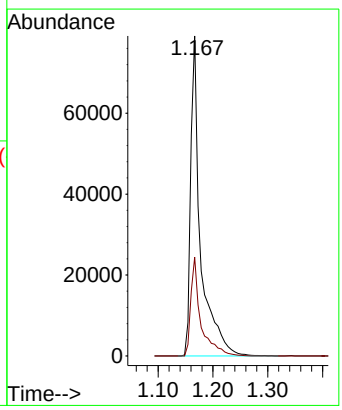


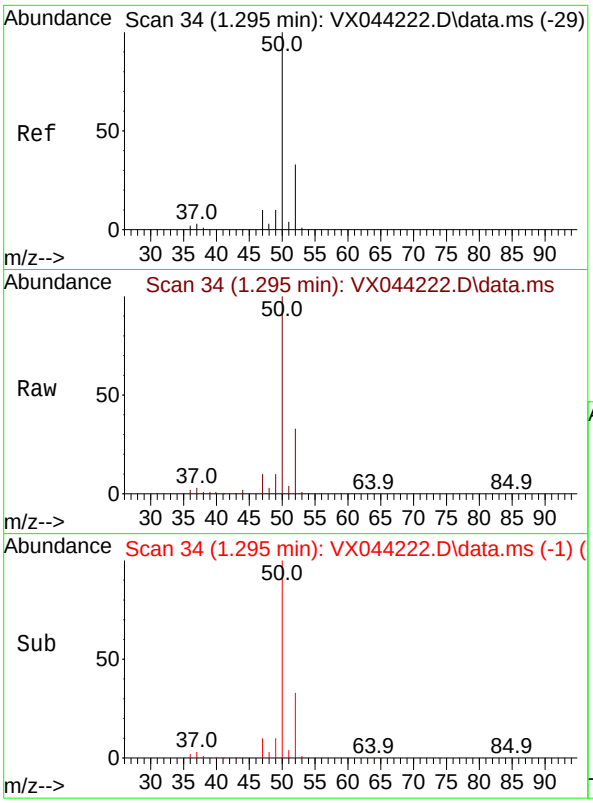


#2
Dichlorodifluoromethane
Concen: 50.957 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 85 Resp: 99052

Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.4	46.4



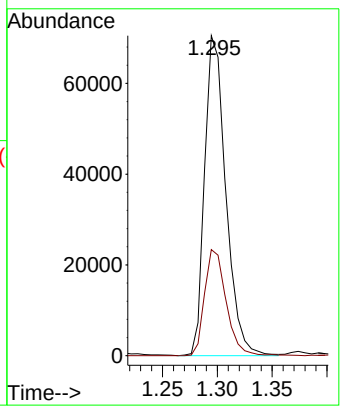


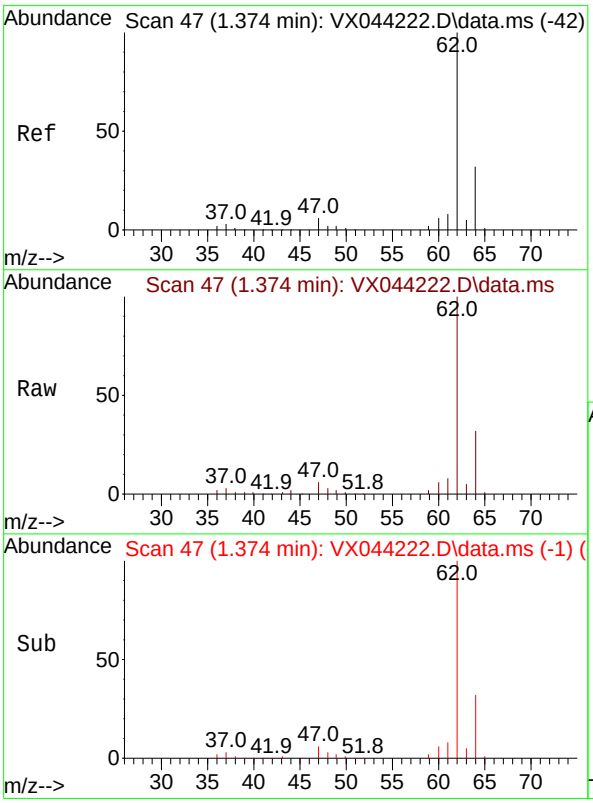
#3
Chloromethane
Concen: 51.097 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 94981

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.5	39.7

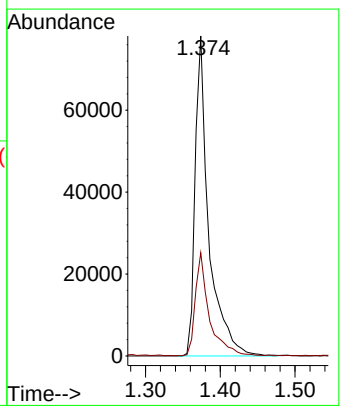


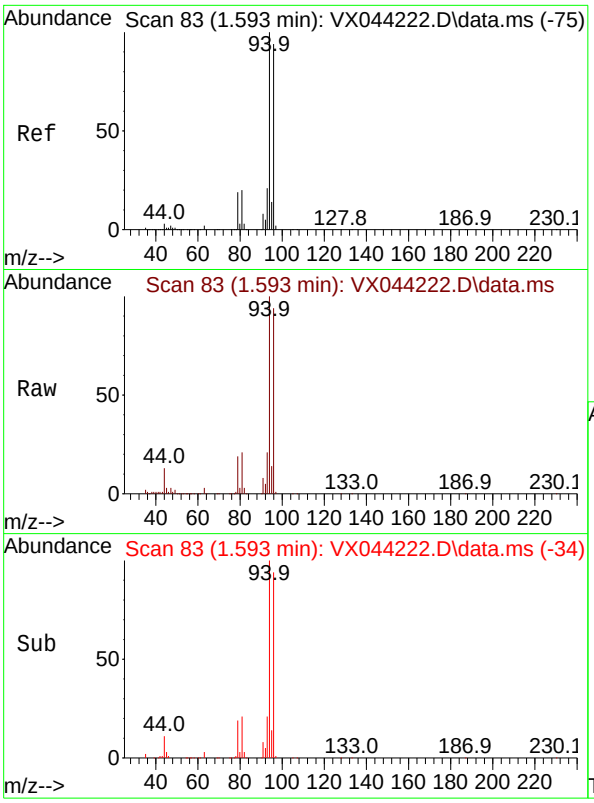


#4
Vinyl Chloride
Concen: 51.045 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 62 Resp: 98852

Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.7	38.5



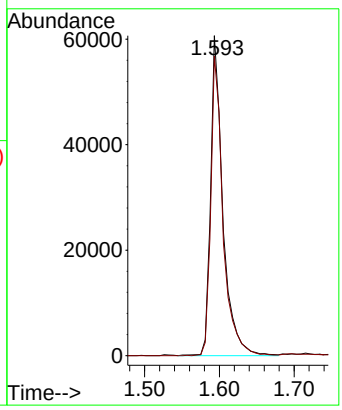


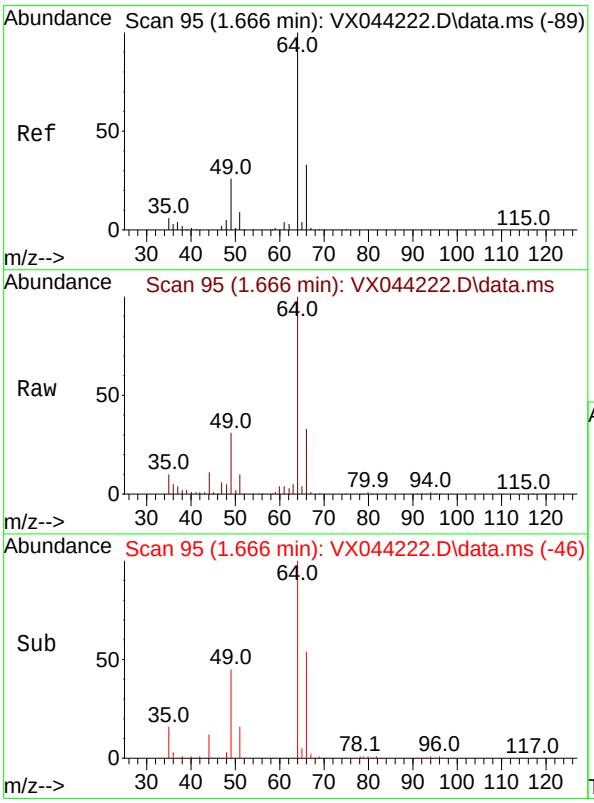
#5
Bromomethane
Concen: 50.405 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 69250

Ion	Ratio	Lower	Upper
94	100		
96	93.6	74.9	112.3

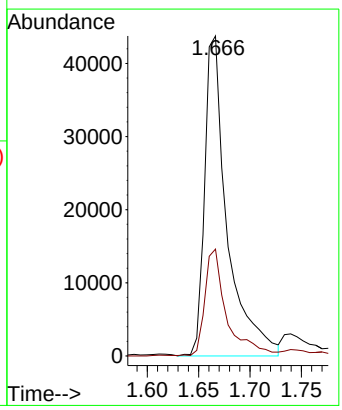


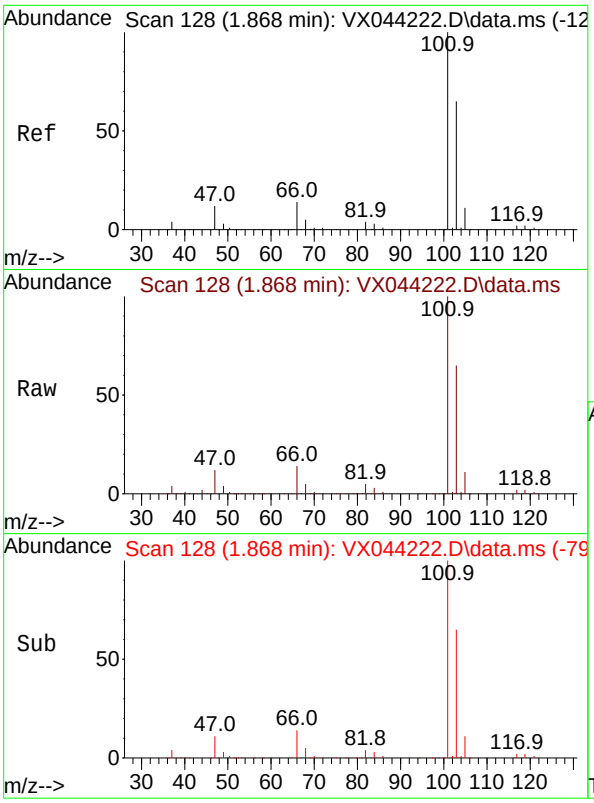


#6
Chloroethane
Concen: 55.448 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 64 Resp: 66862

Ion	Ratio	Lower	Upper
64	100		
66	33.2	26.6	39.8



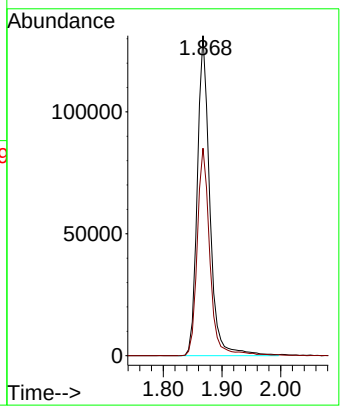


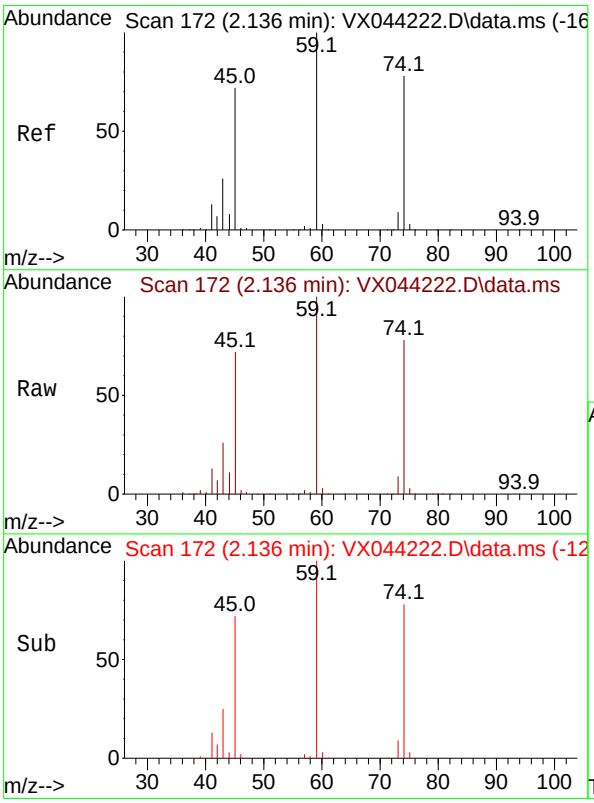
#7
Trichlorofluoromethane
Concen: 51.086 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 193676

Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.8	77.8

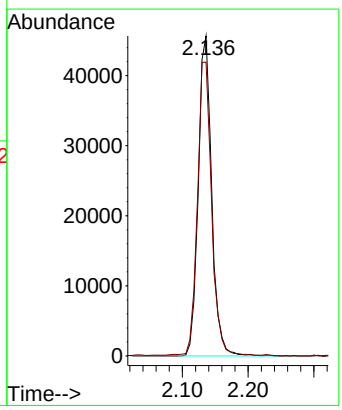


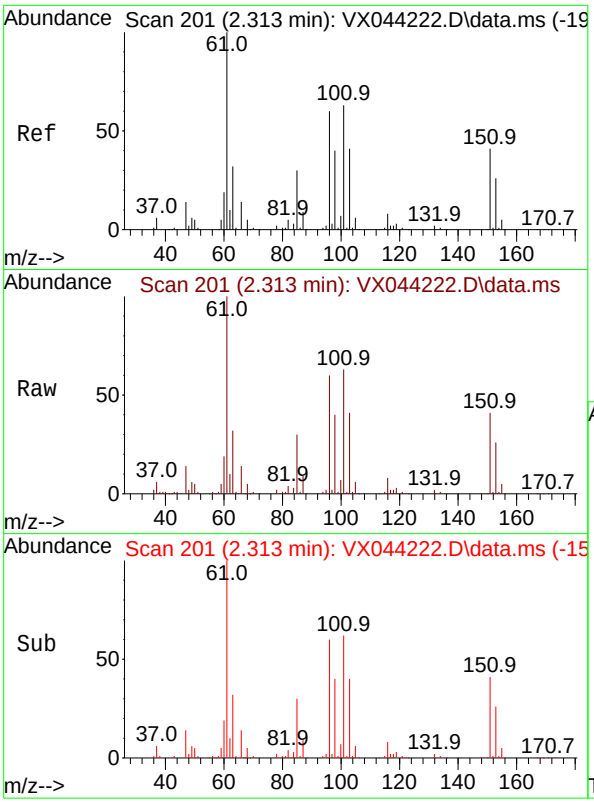


#8
Diethyl Ether
Concen: 49.875 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 74 Resp: 64542

Ion	Ratio	Lower	Upper
74	100		
45	96.7	48.4	145.0



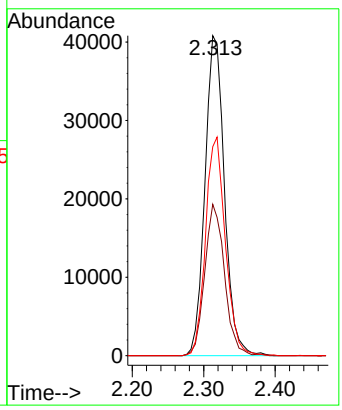


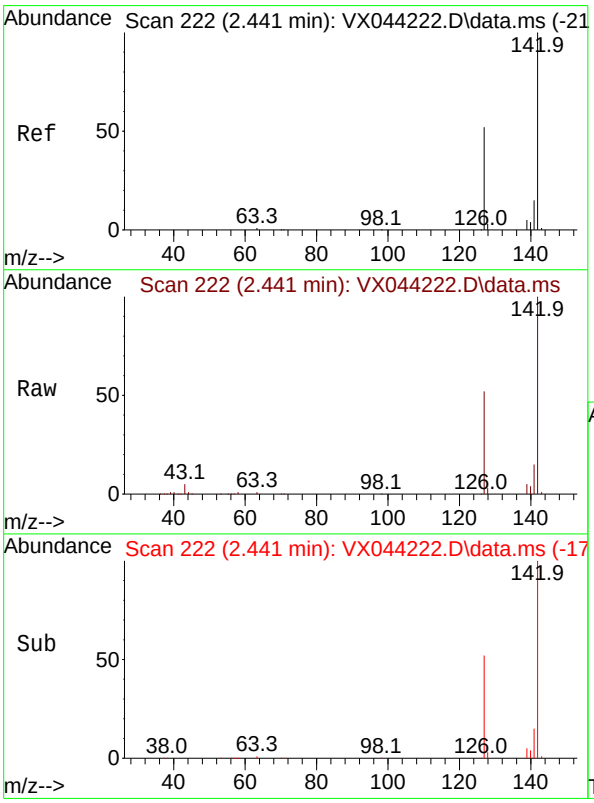
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.371 ug/l
RT: 2.313 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 77275

Ion	Ratio	Lower	Upper
101	100		
85	48.1	38.5	57.7
151	69.7	55.8	83.6

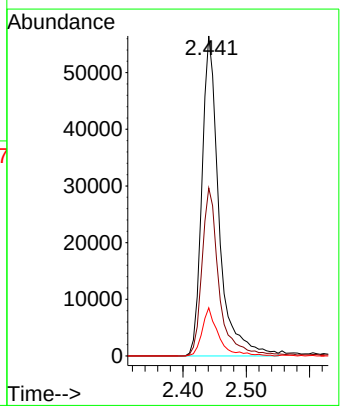


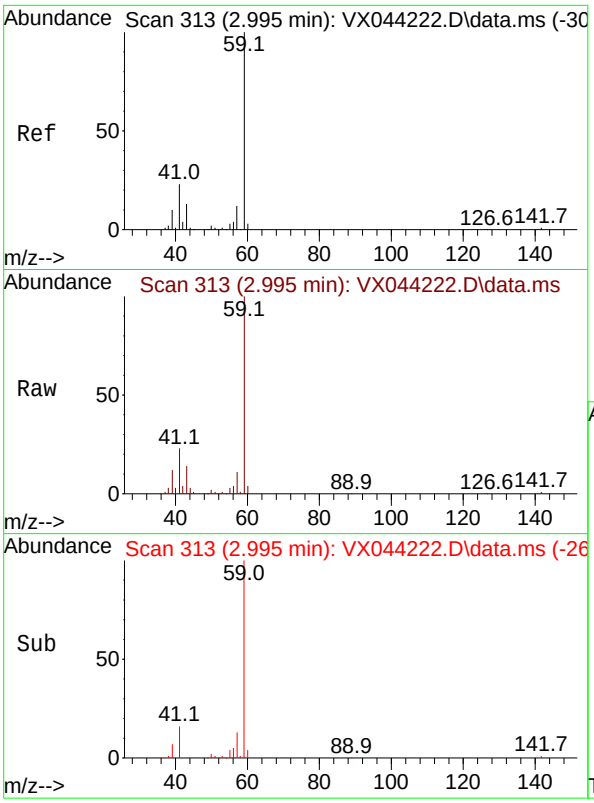


#10
Methyl Iodide
Concen: 52.678 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:142 Resp: 106509

Ion	Ratio	Lower	Upper
142	100		
127	52.3	41.8	62.8
141	14.4	11.5	17.3



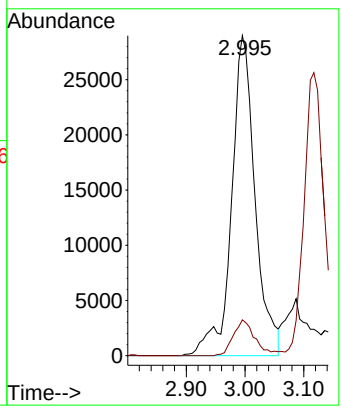


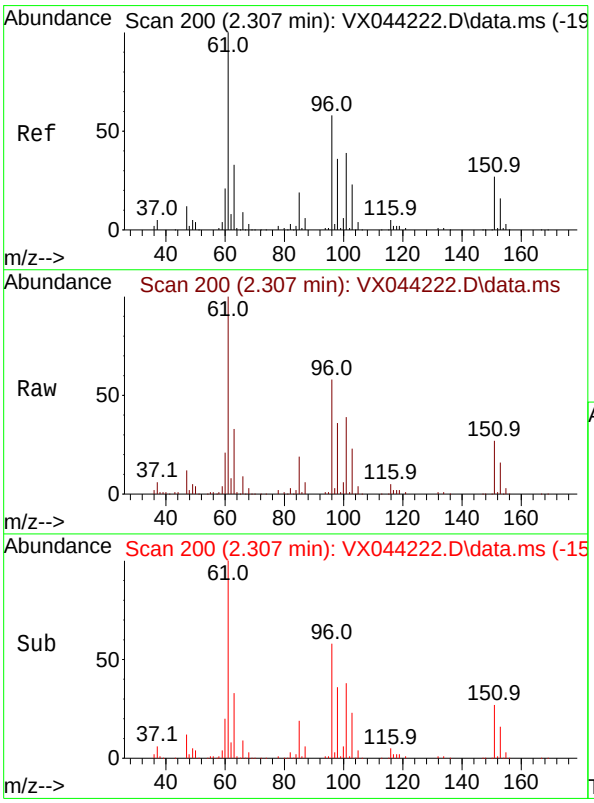
#11
Tert butyl alcohol
Concen: 261.121 ug/l
RT: 2.995 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 80988

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.8	13.2

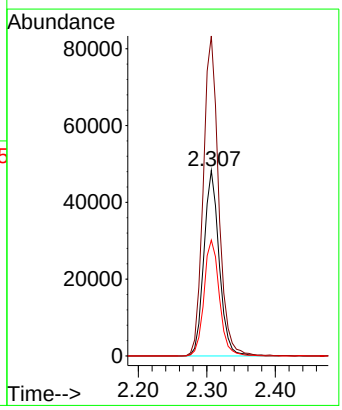


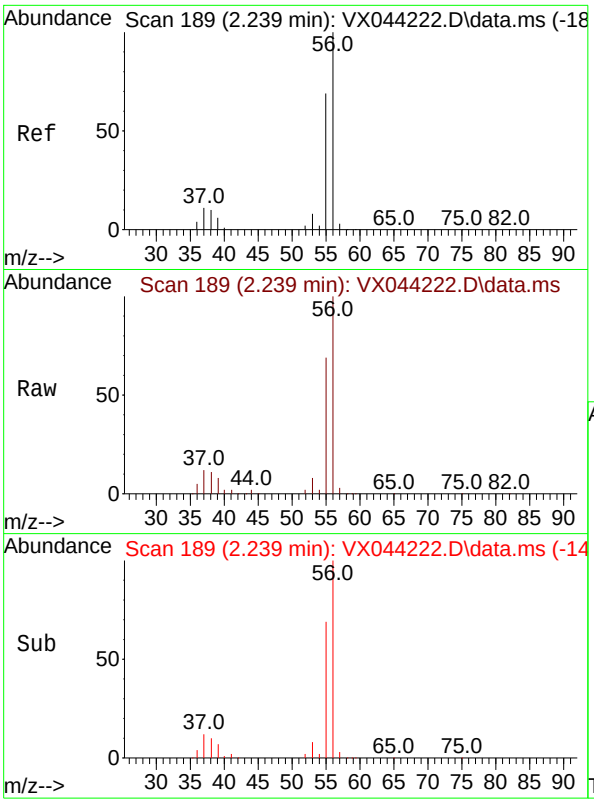


#12
1,1-Dichloroethene
Concen: 53.143 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 96 Resp: 74884

Ion	Ratio	Lower	Upper
96	100		
61	172.5	138.0	207.0
98	62.5	50.0	75.0



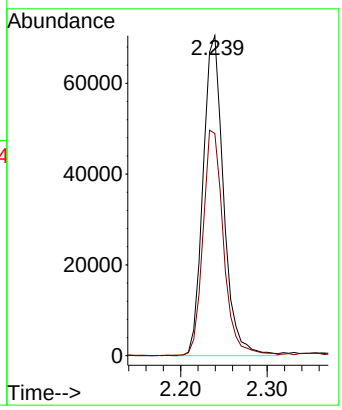


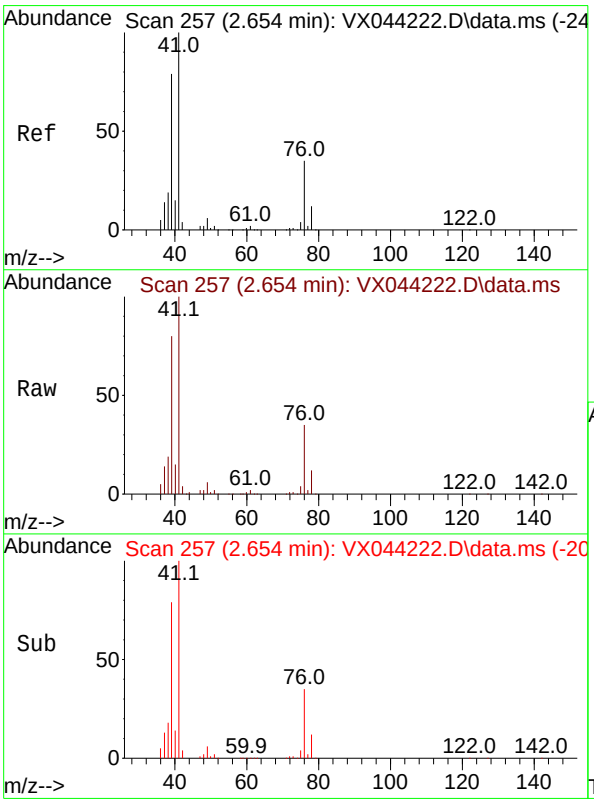
#13
Acrolein
Concen: 258.347 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 116171

Ion	Ratio	Lower	Upper
56	100		
55	70.7	56.6	84.8

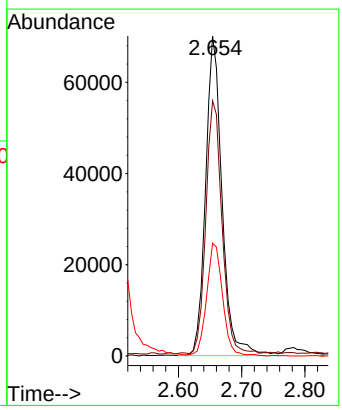


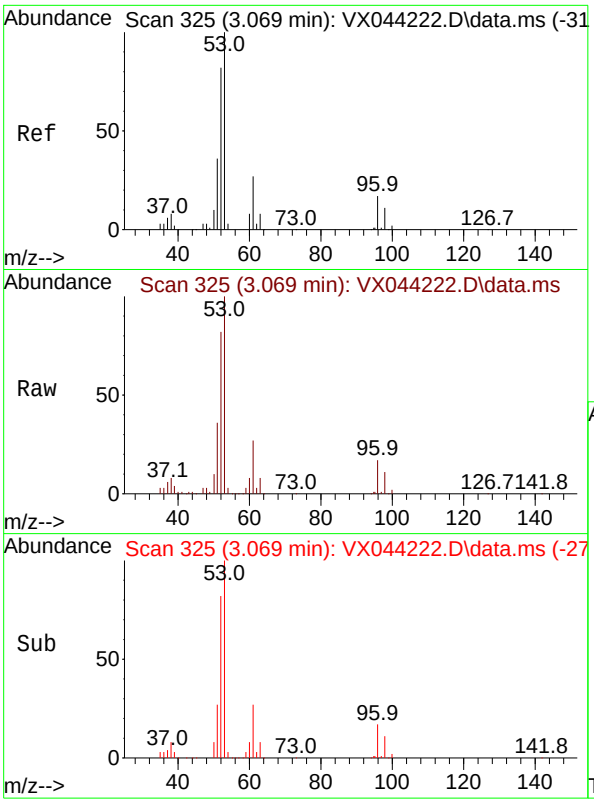


#14
Allyl chloride
Concen: 54.079 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 41 Resp: 126925

Ion	Ratio	Lower	Upper
41	100		
39	77.4	61.9	92.9
76	34.3	27.4	41.2



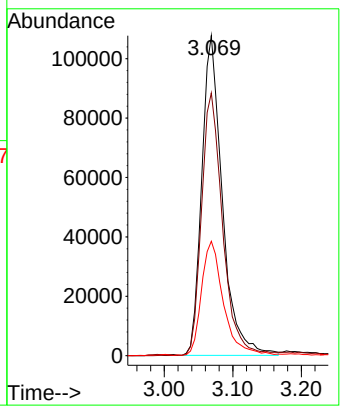


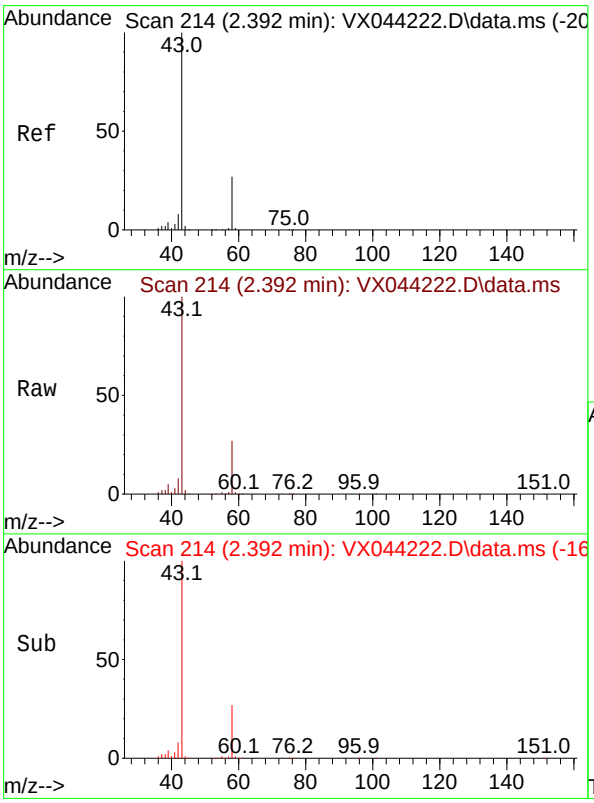
#15
Acrylonitrile
Concen: 261.859 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 225330

Ion	Ratio	Lower	Upper
53	100		
52	84.2	67.4	101.0
51	37.9	30.3	45.5

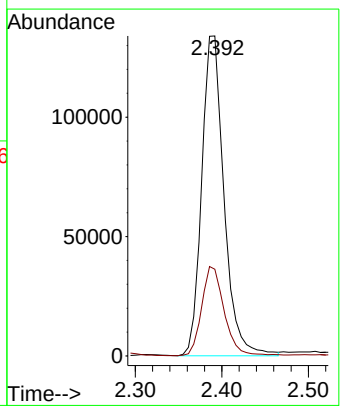


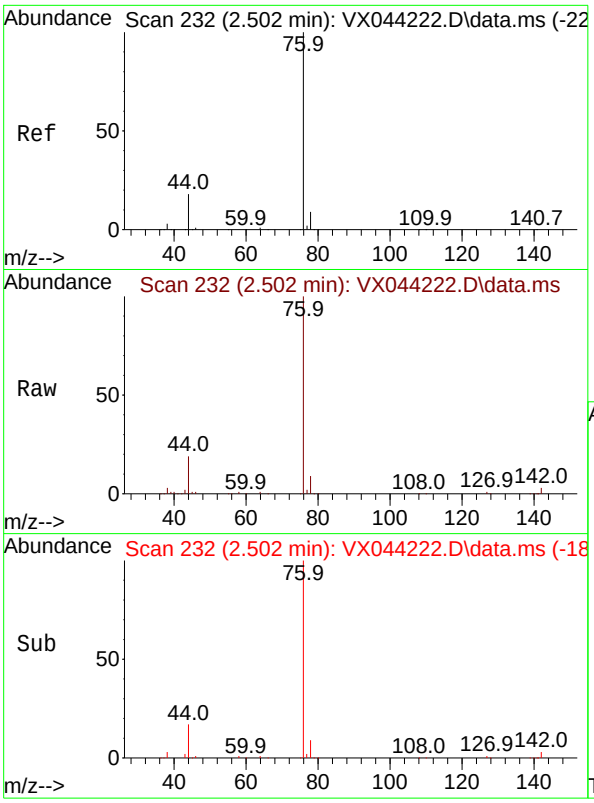


#16
Acetone
Concen: 266.704 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 43 Resp: 239661

Ion	Ratio	Lower	Upper
43	100		
58	27.0	21.6	32.4



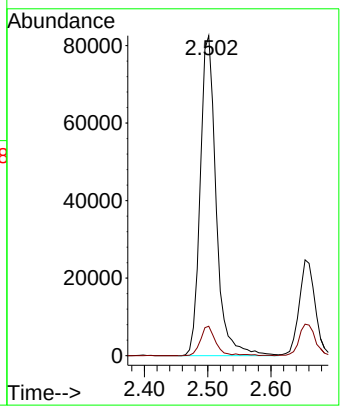


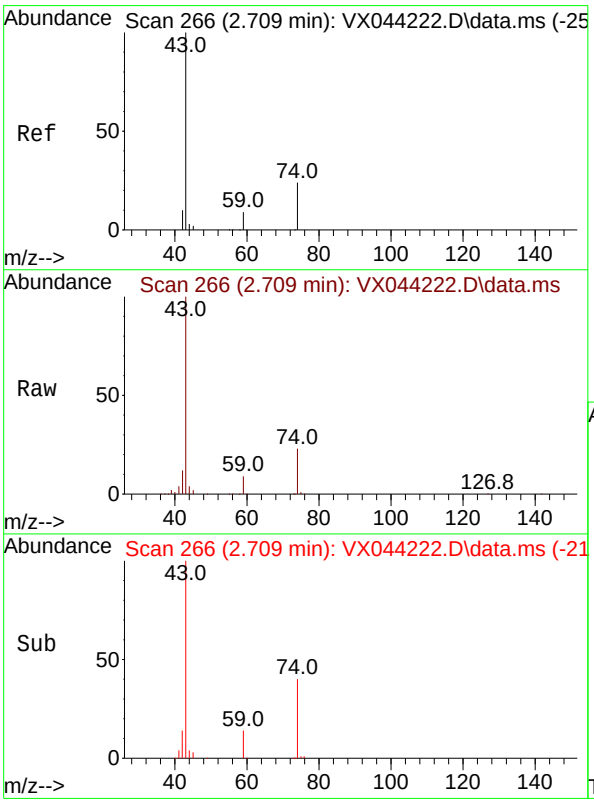
#17
Carbon Disulfide
Concen: 53.994 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 144624

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

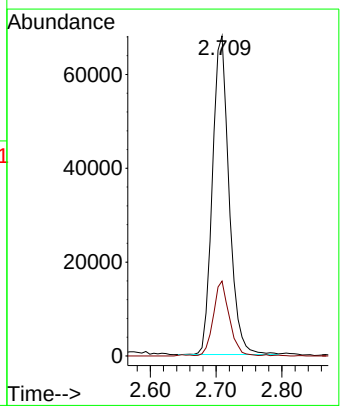


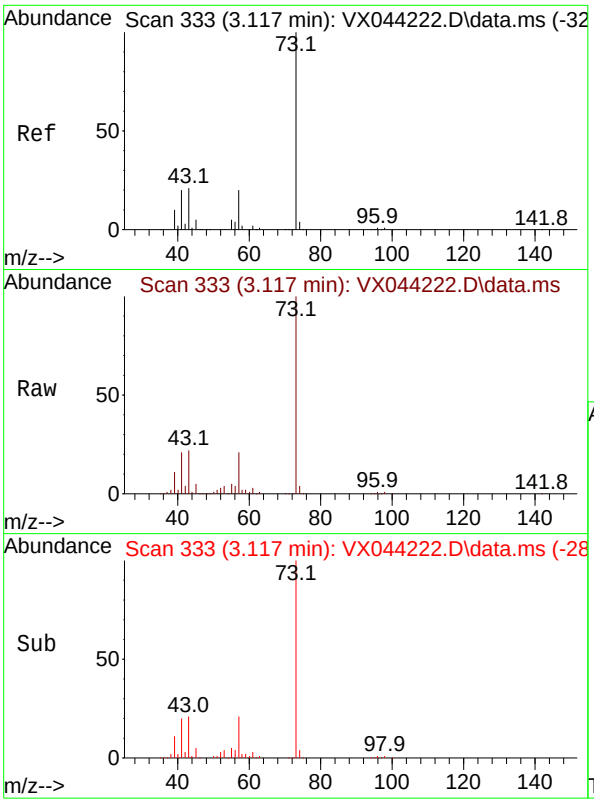


#18
Methyl Acetate
Concen: 51.710 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 43 Resp: 119808

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.7	26.5



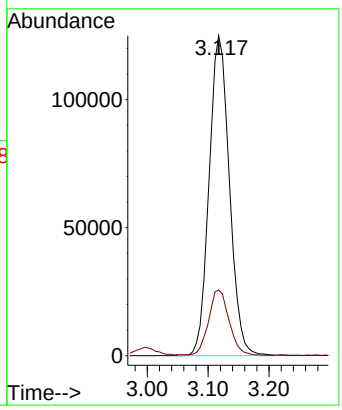


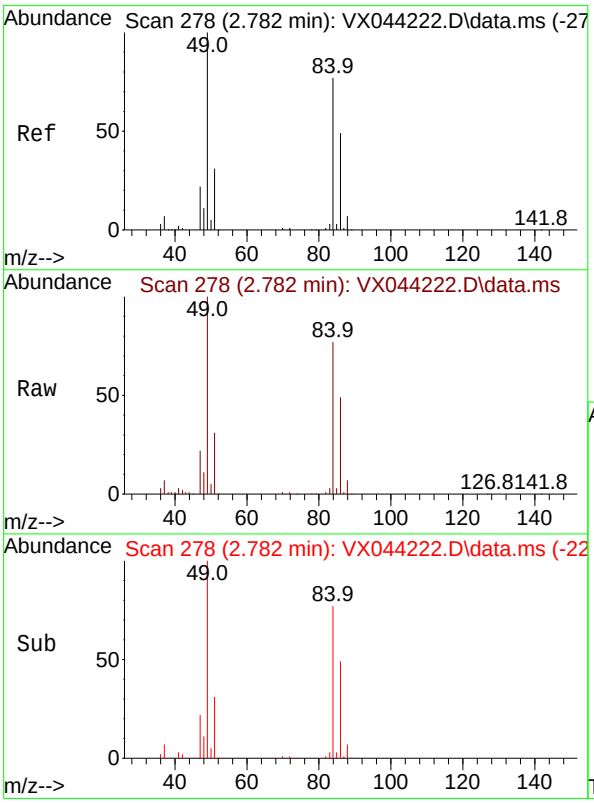
#19
Methyl tert-butyl Ether
Concen: 52.691 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 289735

Ion	Ratio	Lower	Upper
73	100		
57	20.3	16.2	24.4

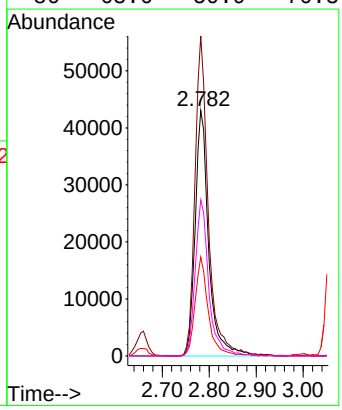


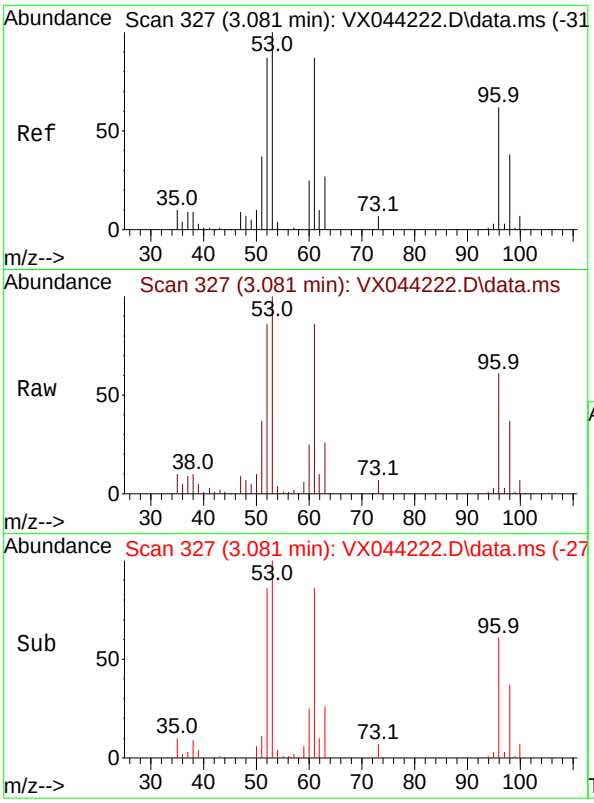


#20
Methylene Chloride
Concen: 51.305 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 84 Resp: 86593

Ion	Ratio	Lower	Upper
84	100		
49	130.3	104.2	156.4
51	40.3	32.2	48.4
86	63.6	50.9	76.3



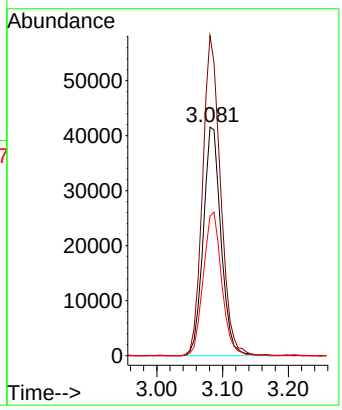


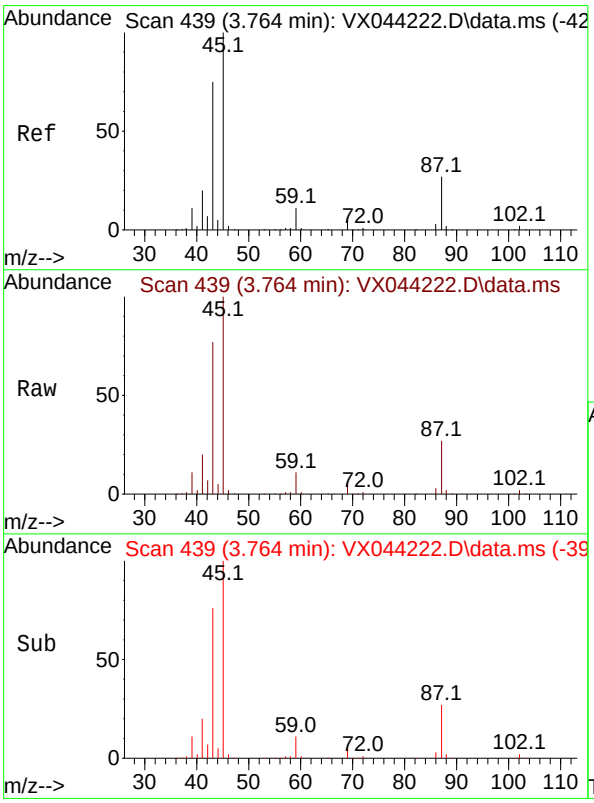
#21
trans-1,2-Dichloroethene
Concen: 51.974 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 77834

Ion	Ratio	Lower	Upper
96	100		
61	140.0	112.0	168.0
98	61.0	48.8	73.2

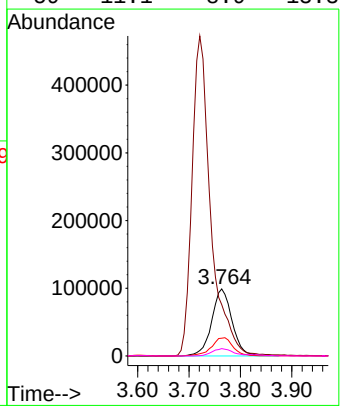


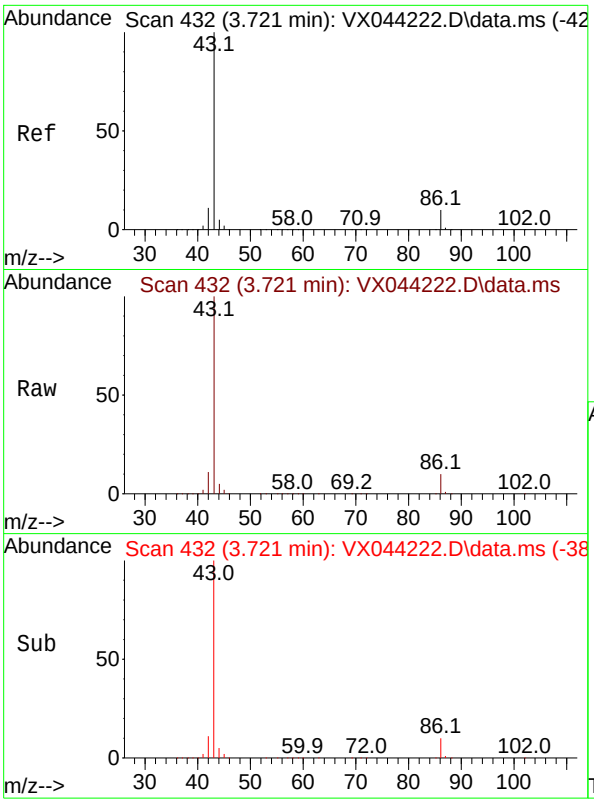


#22
Diisopropyl ether
Concen: 51.662 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 45 Resp: 273039

Ion	Ratio	Lower	Upper
45	100		
43	75.2	60.2	90.2
87	26.5	21.2	31.8
59	11.1	8.9	13.3



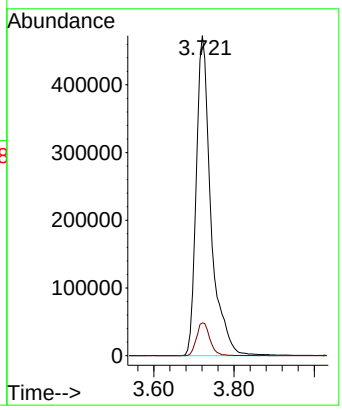


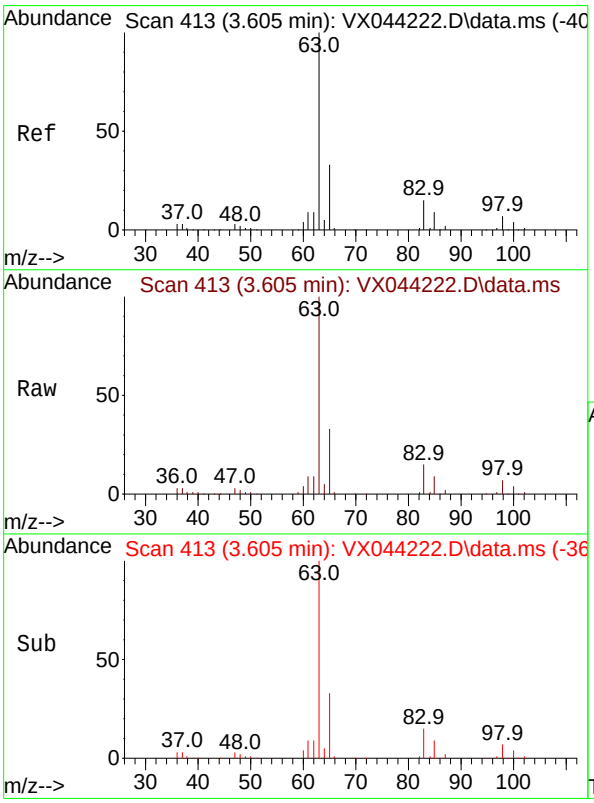
#23
Vinyl Acetate
Concen: 279.754 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1202044

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.2	12.2

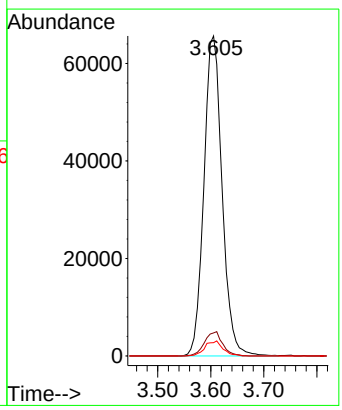


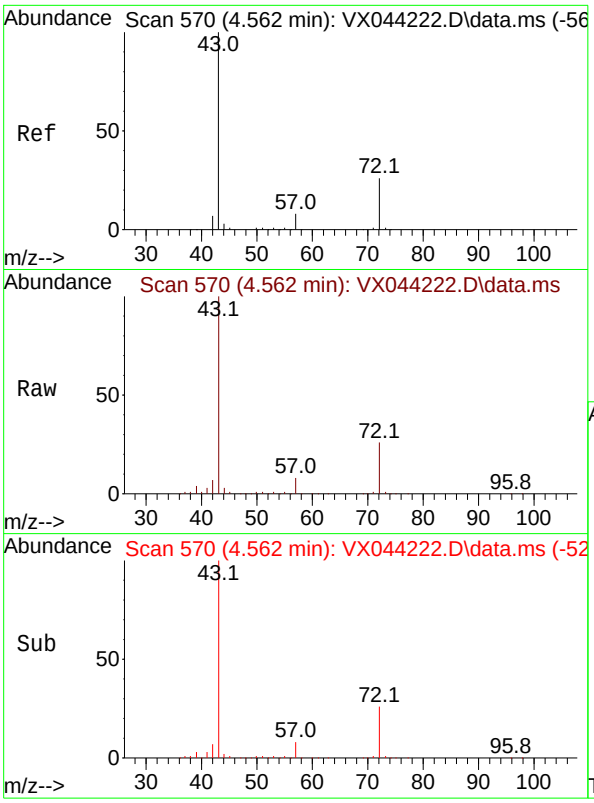


#24
1,1-Dichloroethane
Concen: 53.093 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 63 Resp: 156412

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.6	10.8
100	4.2	2.1	6.3



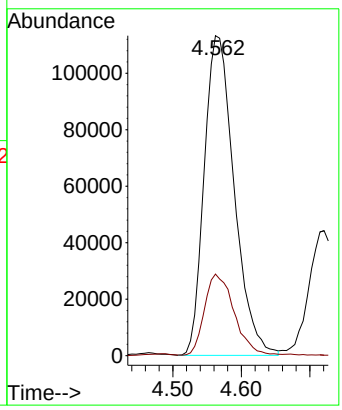


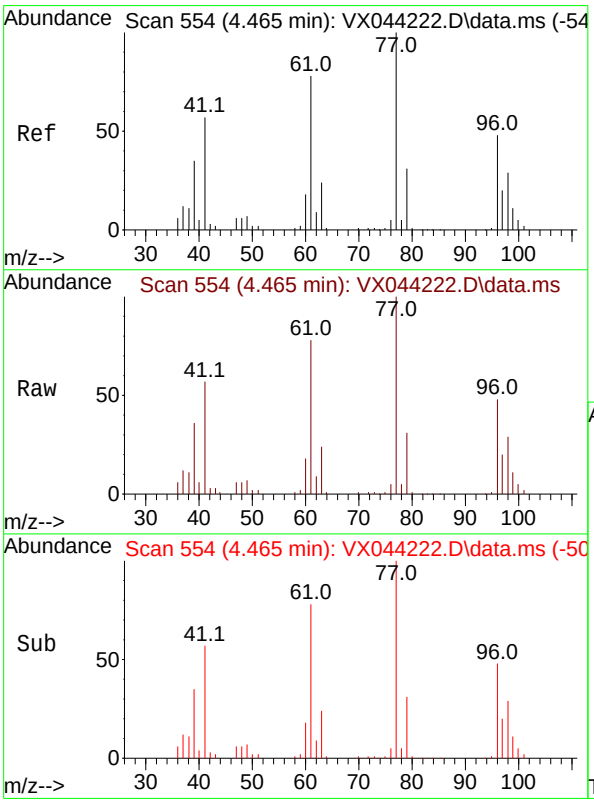
#25
2-Butanone
Concen: 269.797 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 344663

Ion	Ratio	Lower	Upper
43	100		
72	25.3	20.2	30.4

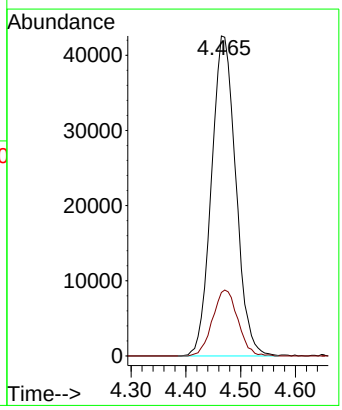


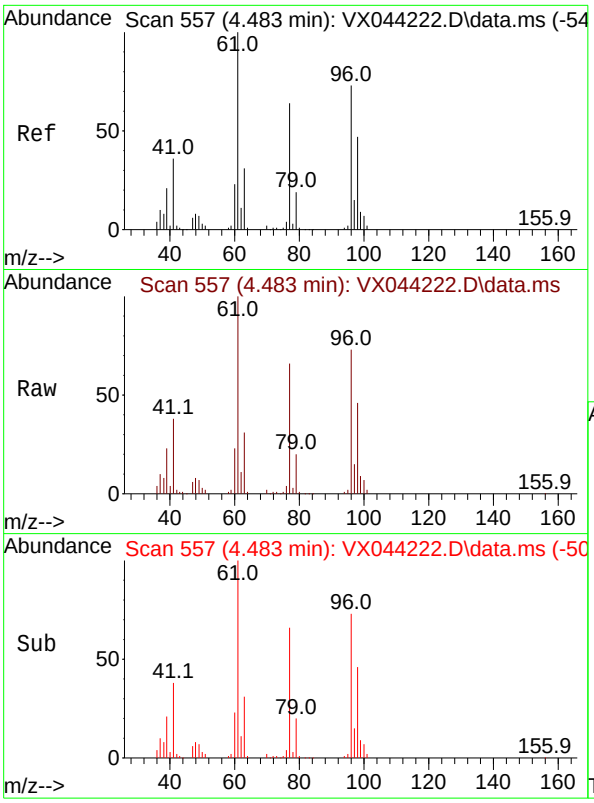


#26
2,2-Dichloropropane
Concen: 54.914 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 77 Resp: 131428

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.7	32.1



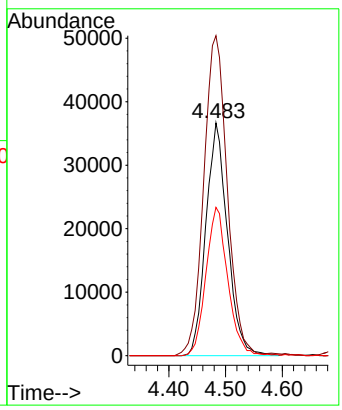


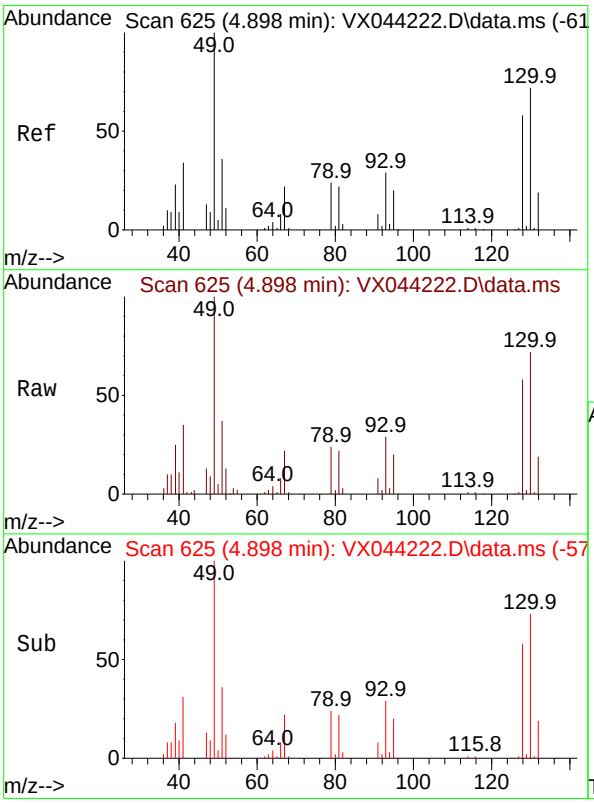
#27
cis-1,2-Dichloroethene
Concen: 51.007 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 97013

Ion	Ratio	Lower	Upper
96	100		
61	149.5	0.0	299.0
98	64.5	0.0	129.0

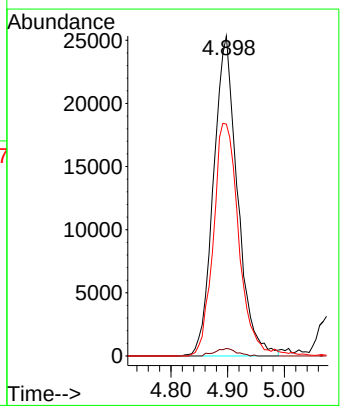


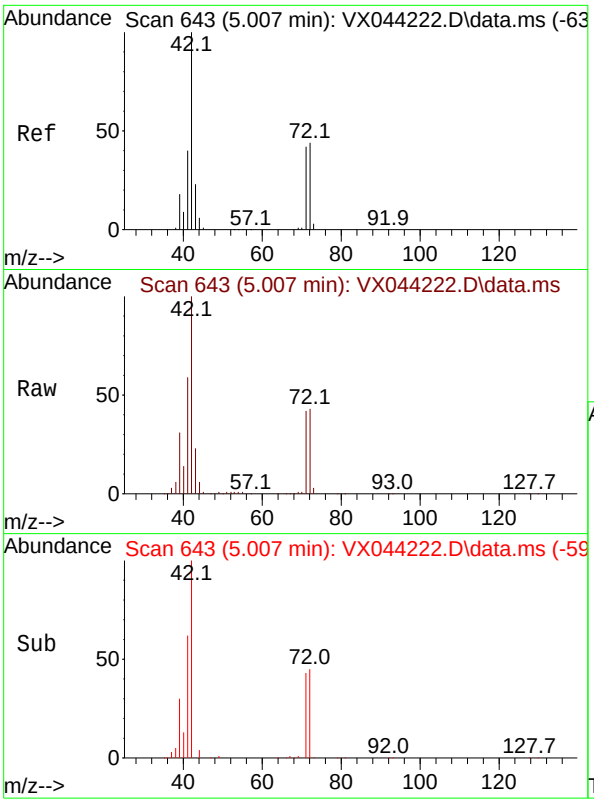


#28
Bromochloromethane
Concen: 51.555 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 49 Resp: 74477

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	77.6	62.1	93.1



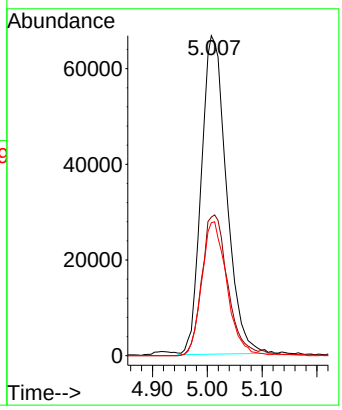


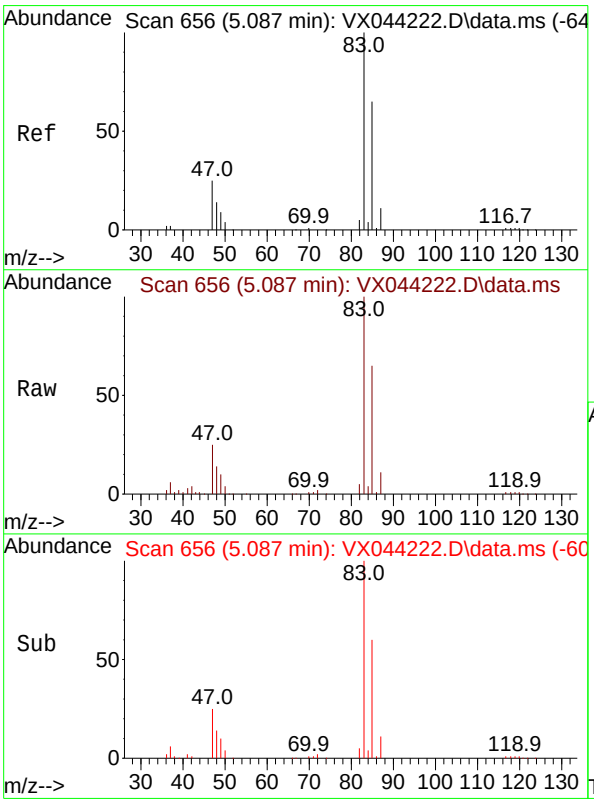
#29
Tetrahydrofuran
Concen: 258.669 ug/l
RT: 5.007 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 212103

Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.0	55.6
71	42.0	33.6	50.4

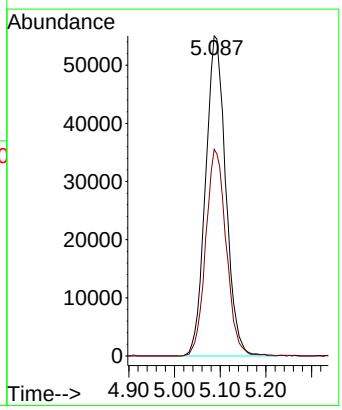


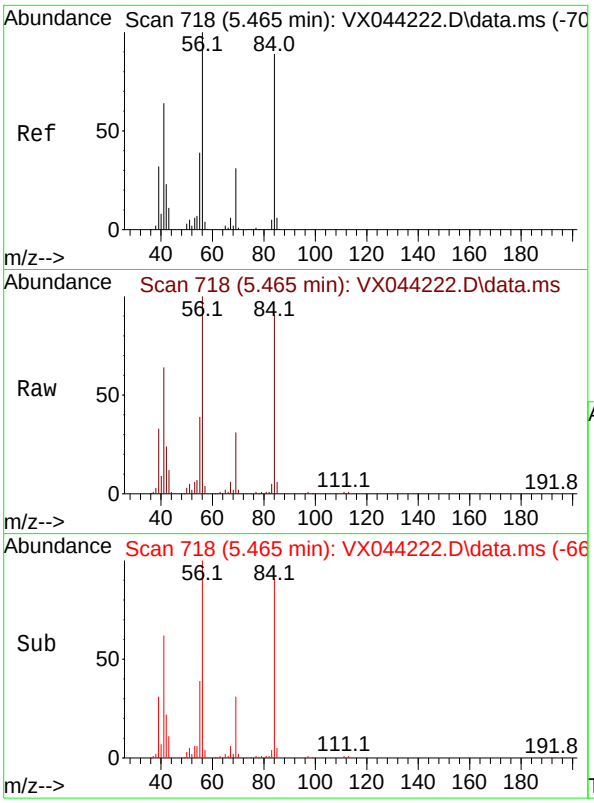


#30
Chloroform
Concen: 51.017 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 83 Resp: 168864

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.6	77.4



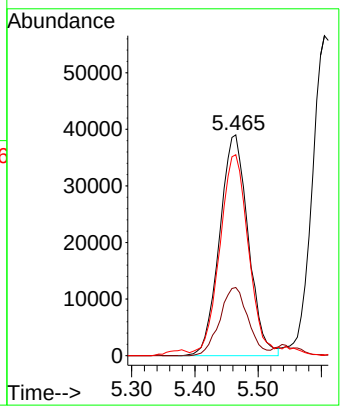


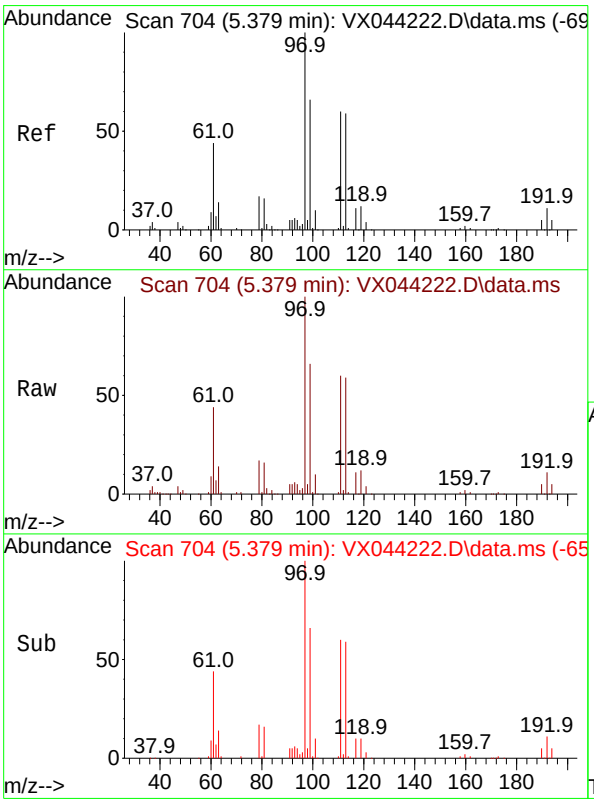
#31
Cyclohexane
Concen: 51.637 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 122841

Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.7	37.1
84	88.8	71.0	106.6

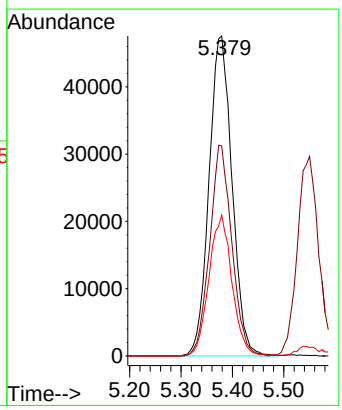


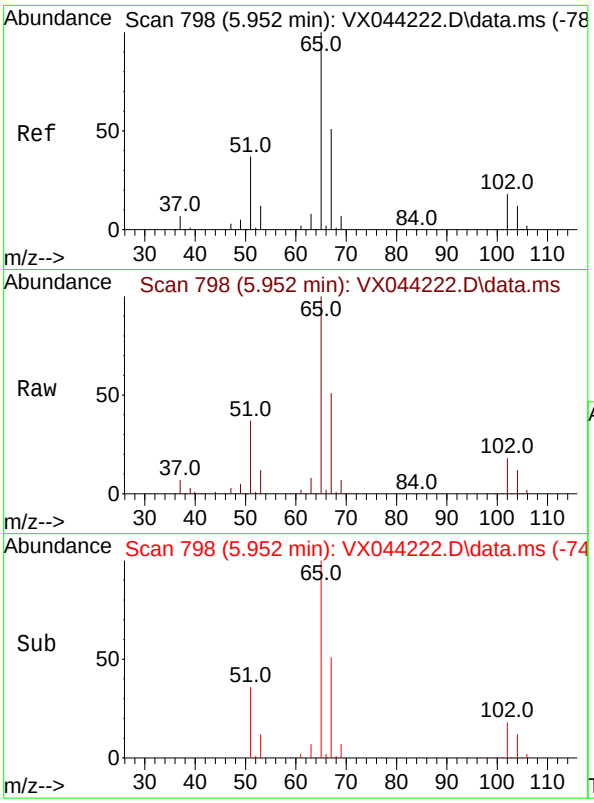


#32
1,1,1-Trichloroethane
Concen: 53.806 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 97 Resp: 147834

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.8	76.2
61	44.0	35.2	52.8



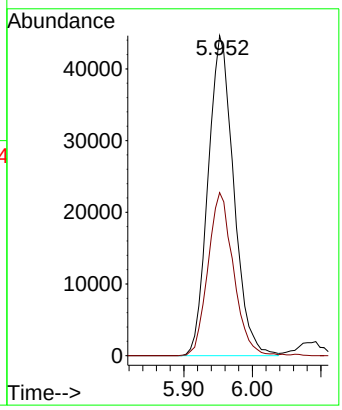


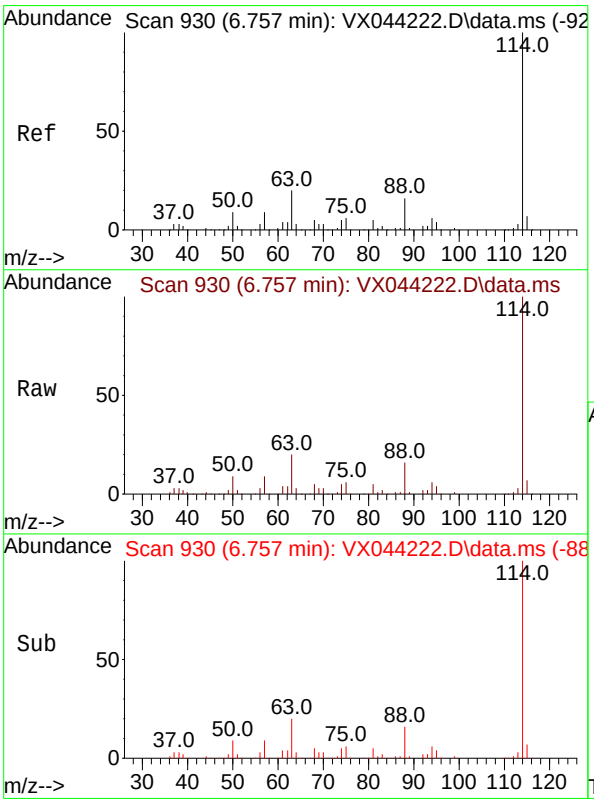
#33
1,2-Dichloroethane-d4
Concen: 52.544 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 115815

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	101.6

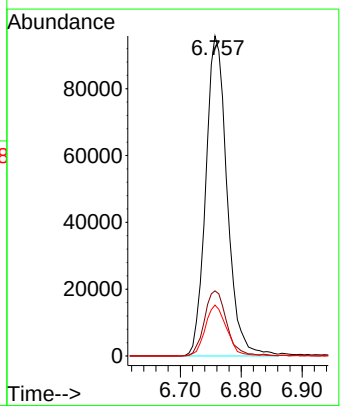


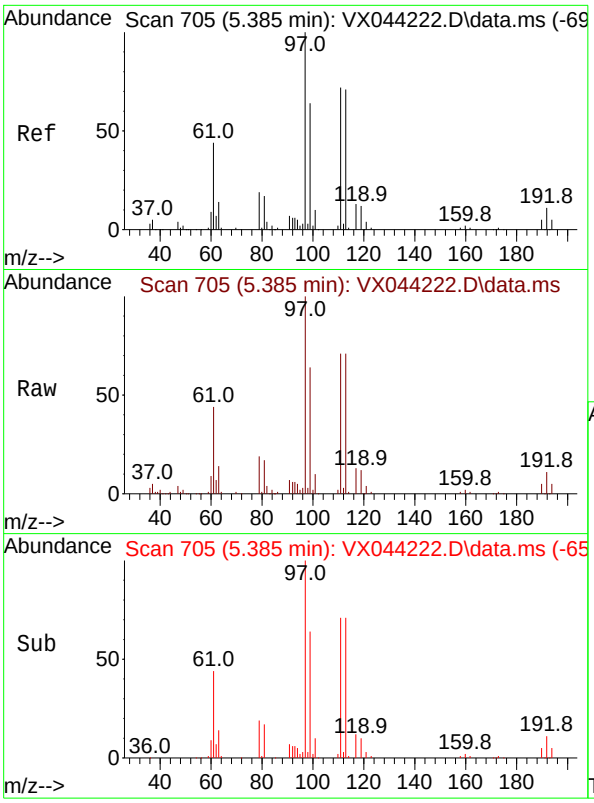


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:114 Resp: 233488

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.6
88	15.9	0.0	31.8



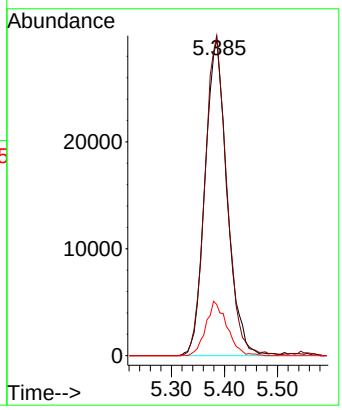


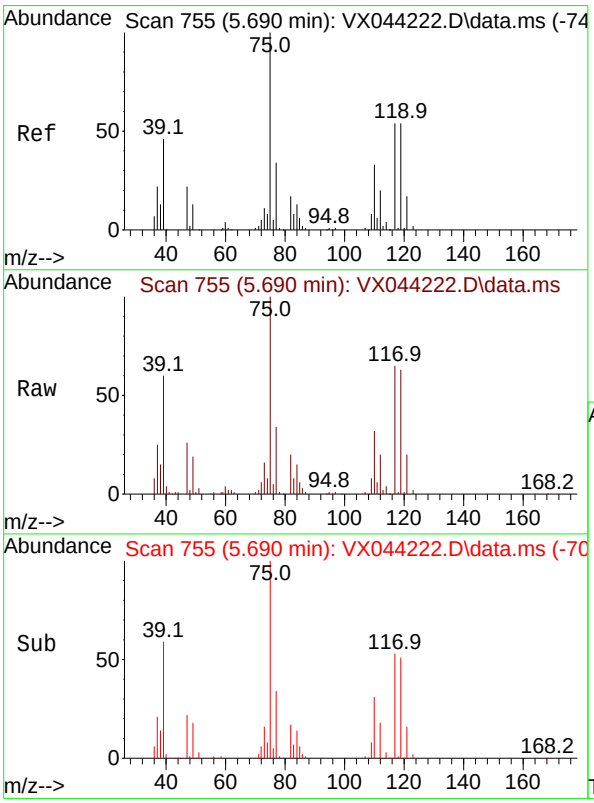
#35
Dibromofluoromethane
Concen: 52.968 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 85656

Ion	Ratio	Lower	Upper
113	100		
111	100.5	80.4	120.6
192	16.6	13.3	19.9

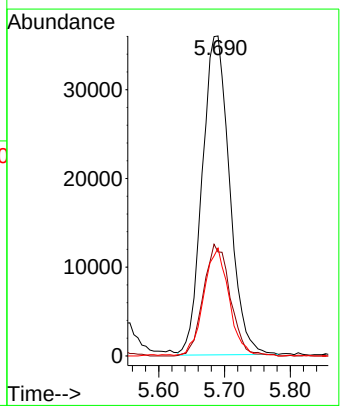


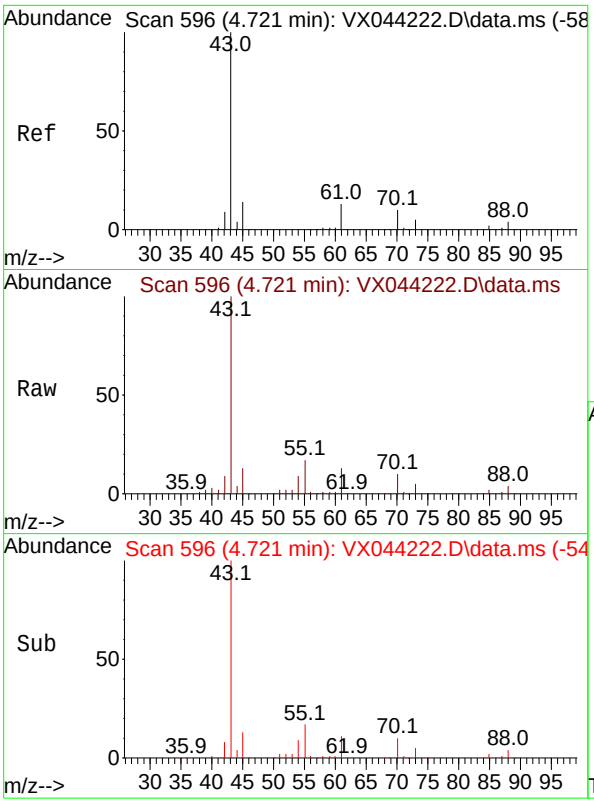


#36
1,1-Dichloropropene
Concen: 49.638 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 75 Resp: 103760

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.3	51.7
77	31.7	25.4	38.0



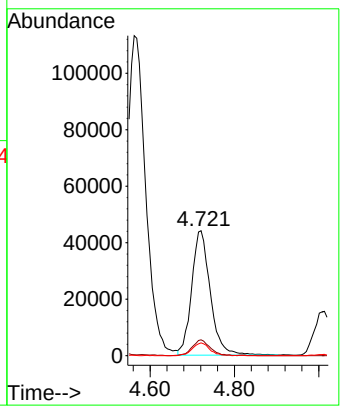


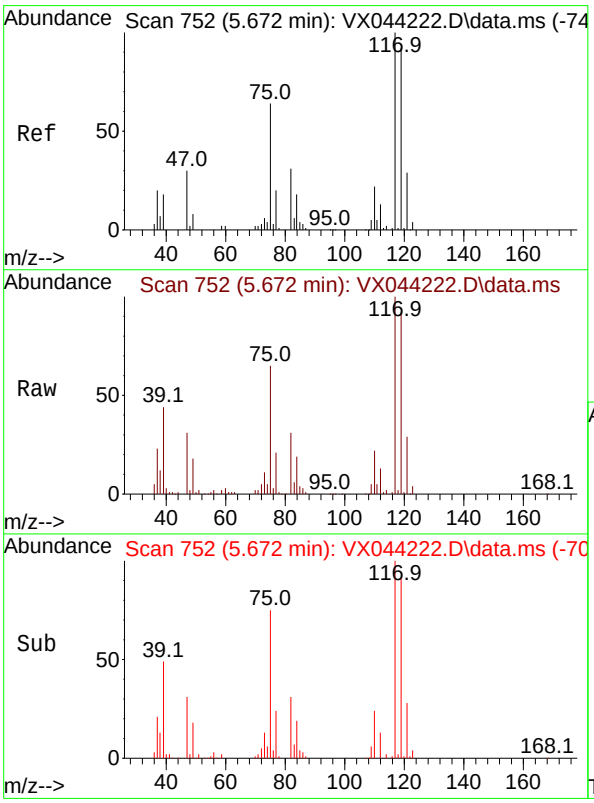
#37
Ethyl Acetate
Concen: 52.537 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 135753

Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.8	14.8
70	9.6	7.7	11.5

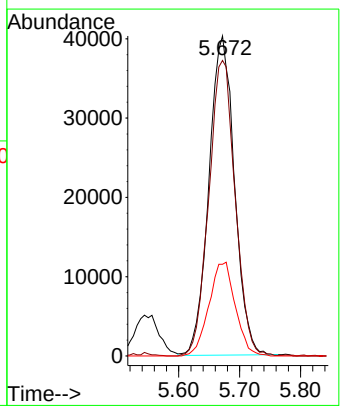


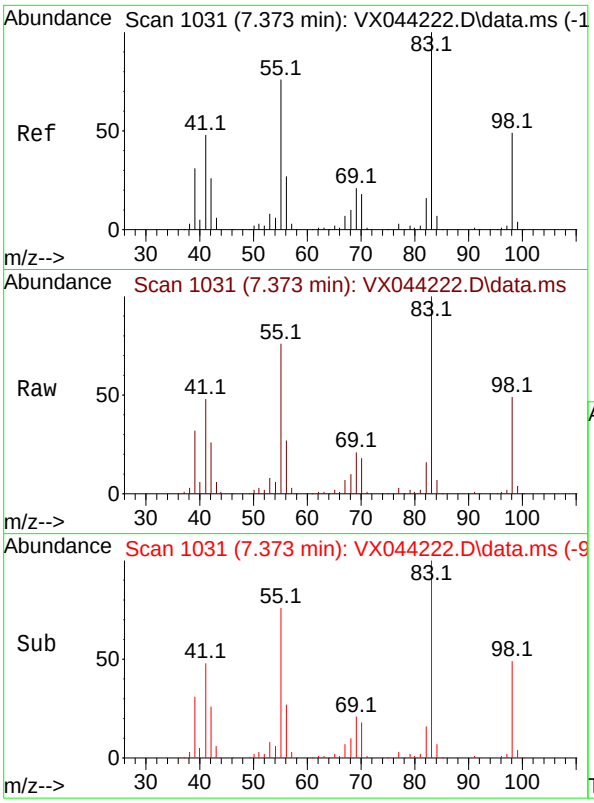


#38
Carbon Tetrachloride
Concen: 52.023 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:117 Resp: 117076

Ion	Ratio	Lower	Upper
117	100		
119	92.8	74.2	111.4
121	28.8	23.0	34.6



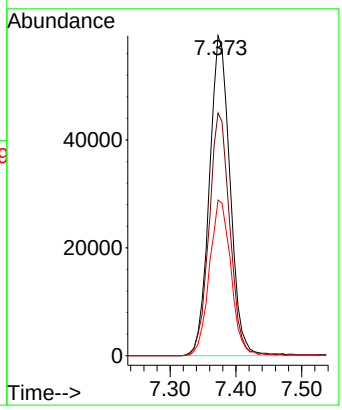


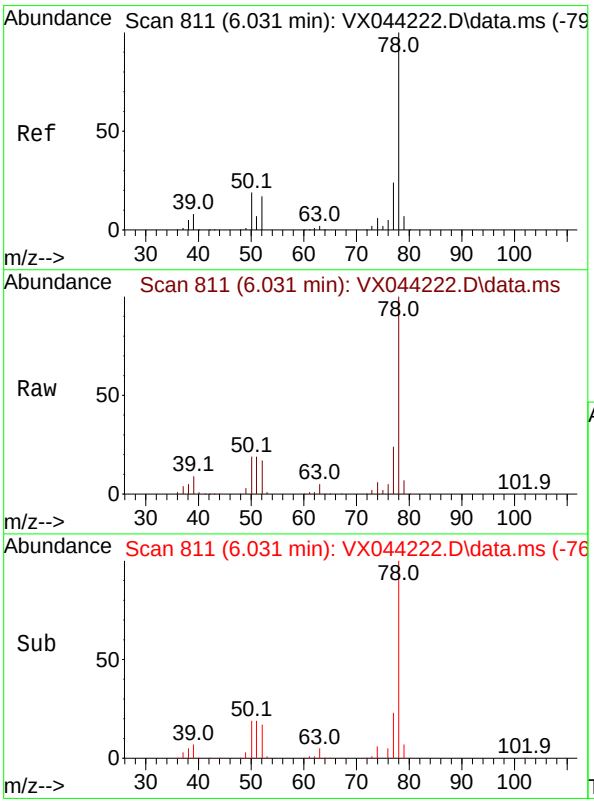
#39
Methylcyclohexane
Concen: 51.901 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 129697

Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.7	91.1
98	48.6	38.9	58.3

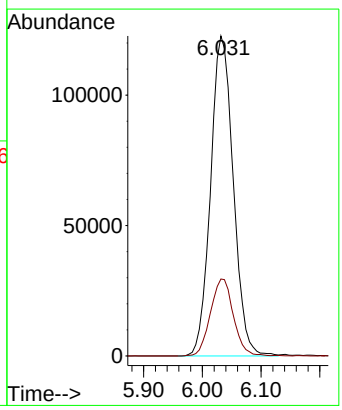


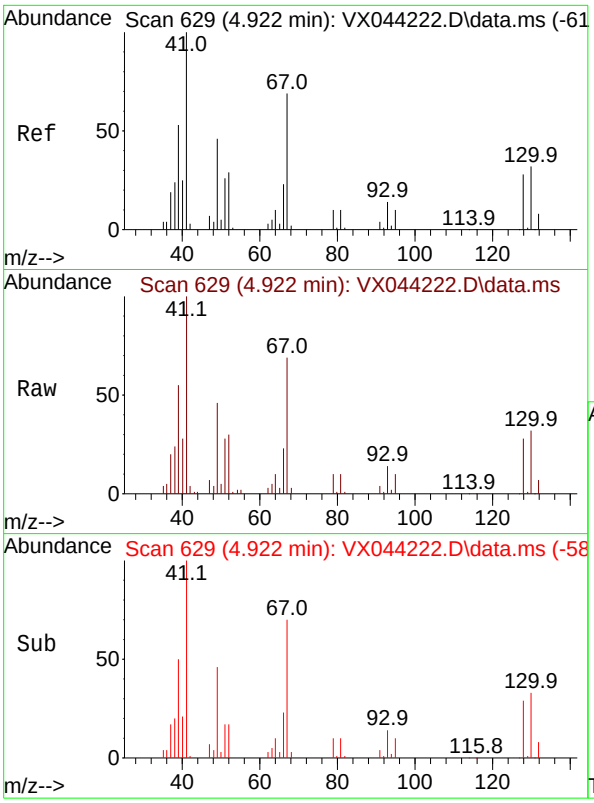


#40
Benzene
Concen: 51.863 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 78 Resp: 329154

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9



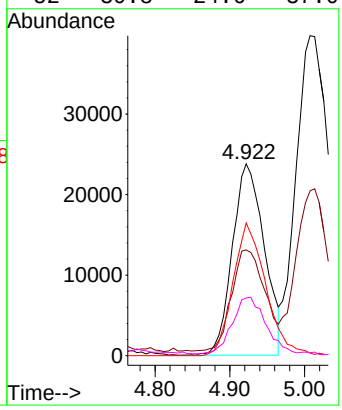


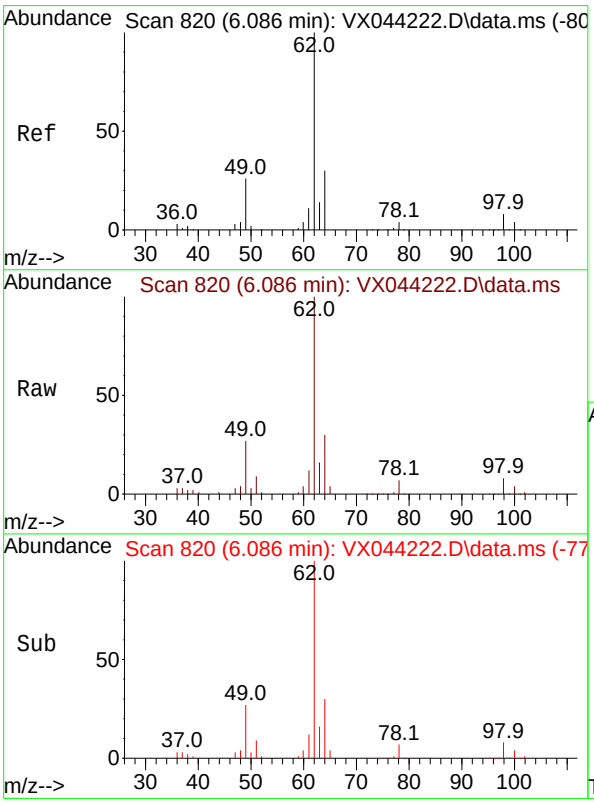
#41
Methacrylonitrile
Concen: 51.329 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 70427

Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.2	66.4
67	71.5	57.2	85.8
52	30.8	24.6	37.0

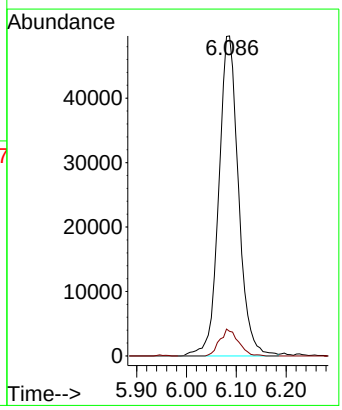


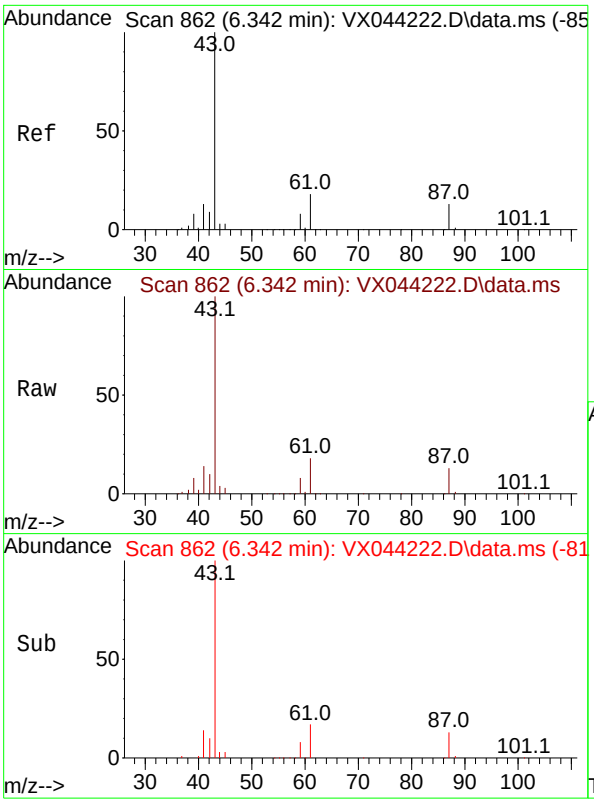


#42
1,2-Dichloroethane
Concen: 52.138 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 62 Resp: 136309

Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8



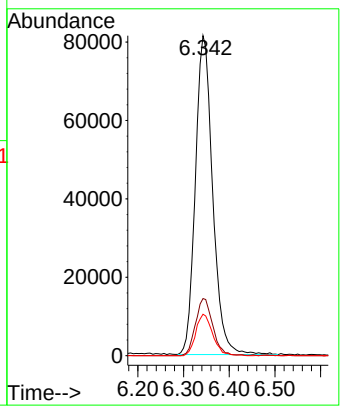


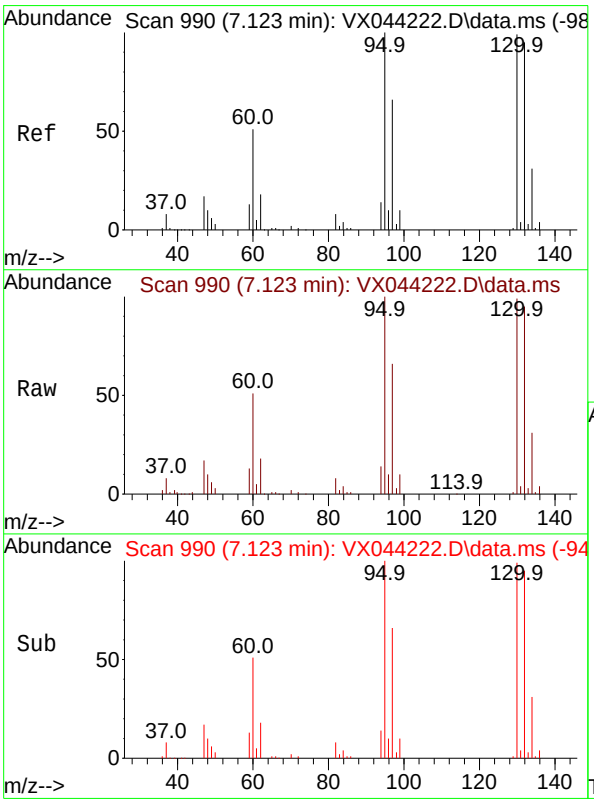
#43
Isopropyl Acetate
Concen: 52.961 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 213891

Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.2	21.2
87	12.7	10.2	15.2

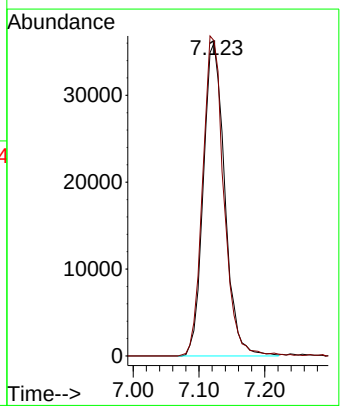


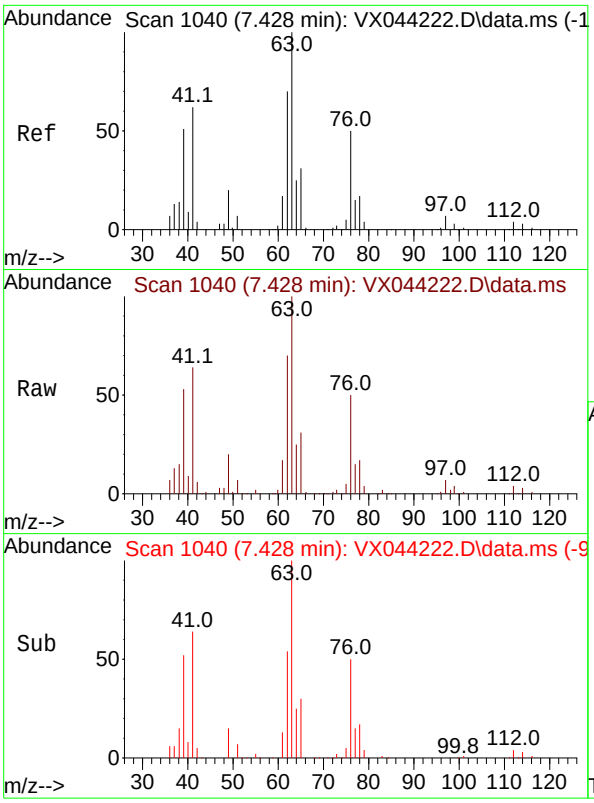


#44
Trichloroethene
Concen: 51.521 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:130 Resp: 81542

Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	201.4



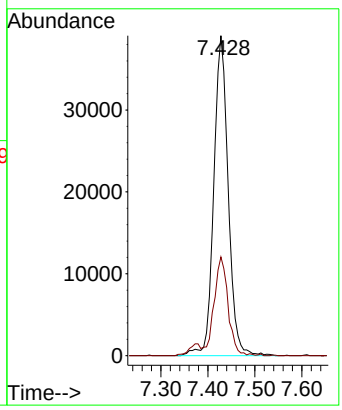


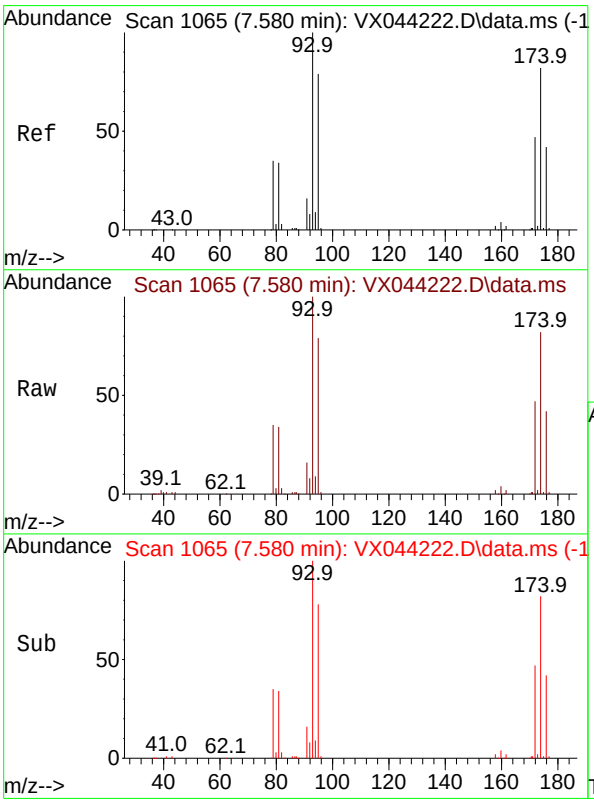
#45
1,2-Dichloropropane
Concen: 51.420 ug/l
RT: 7.428 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 83376

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	37.0

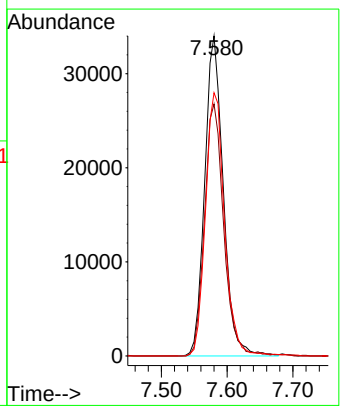


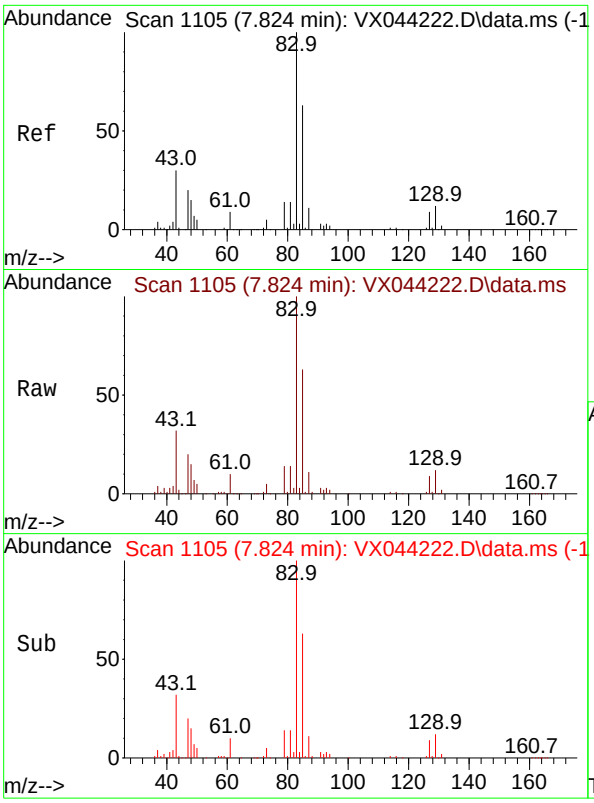


#46
Dibromomethane
Concen: 53.092 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 93 Resp: 66786

Ion	Ratio	Lower	Upper
93	100		
95	81.8	65.4	98.2
174	84.9	67.9	101.9



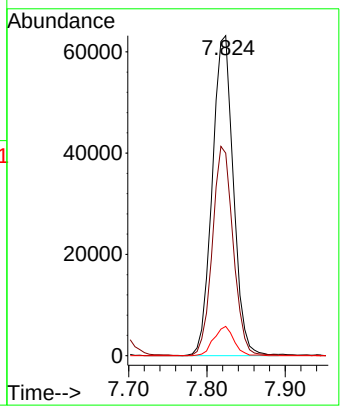


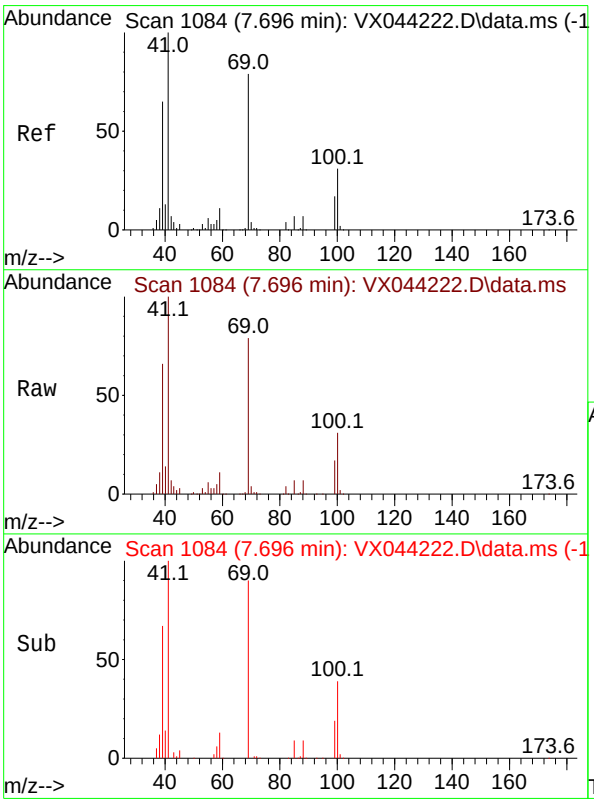
#47
Bromodichloromethane
Concen: 54.607 ug/l
RT: 7.824 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 118634

Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	75.8
127	9.1	7.3	10.9

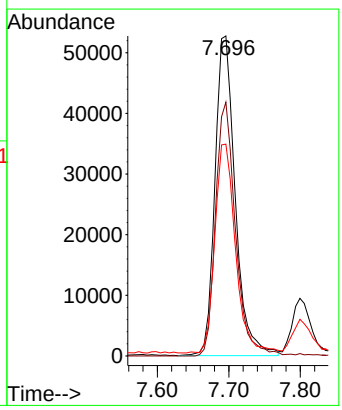


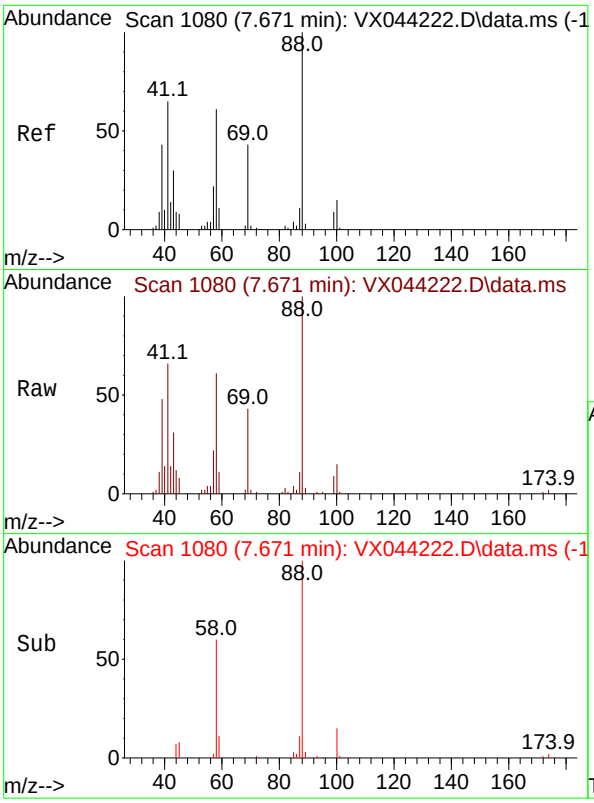


#48
Methyl methacrylate
Concen: 52.909 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 41 Resp: 103726

Ion	Ratio	Lower	Upper
41	100		
69	78.0	62.4	93.6
39	66.6	53.3	79.9



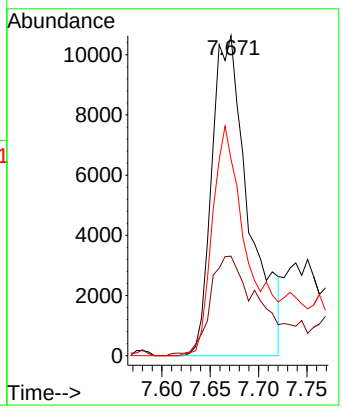


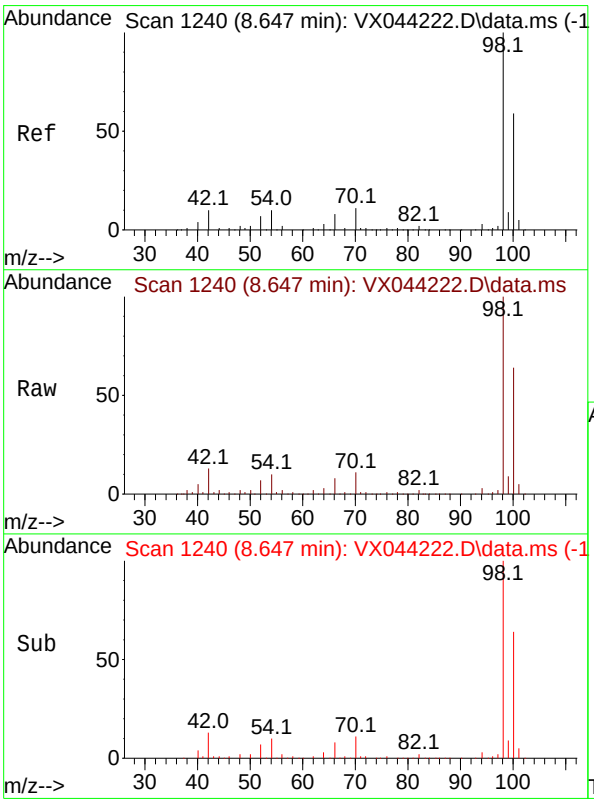
#49
1,4-Dioxane
Concen: 843.658 ug/l
RT: 7.671 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 28266

Ion	Ratio	Lower	Upper
88	100		
43	45.2	27.1	40.7#
58	68.3	41.0	61.4#

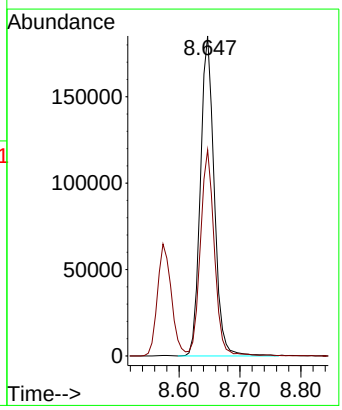


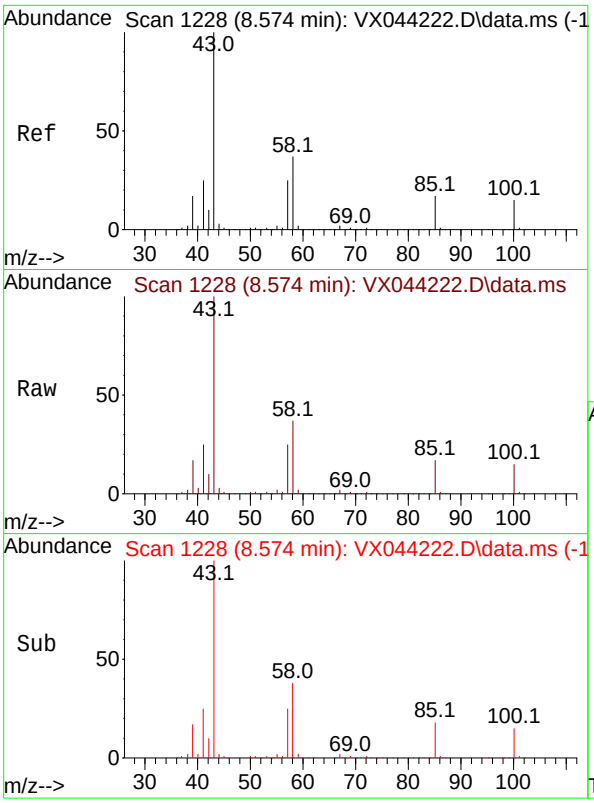


#50
Toluene-d8
Concen: 53.559 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 98 Resp: 292199

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3



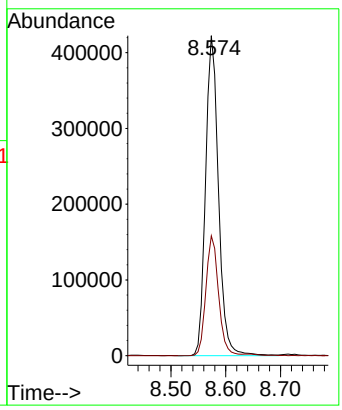


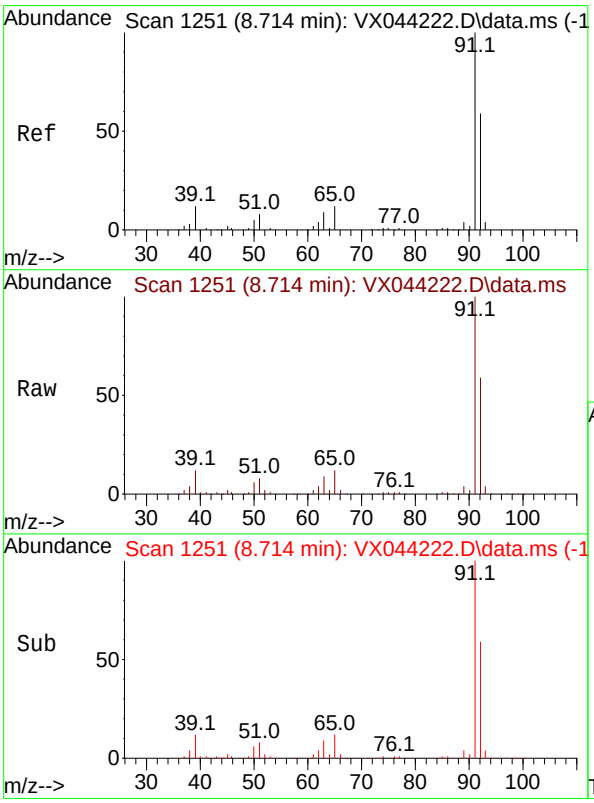
#51
4-Methyl-2-Pentanone
Concen: 265.203 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 688666

Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.4	44.0

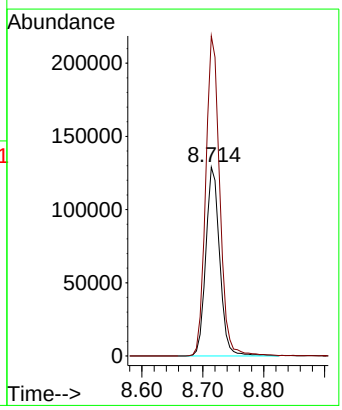


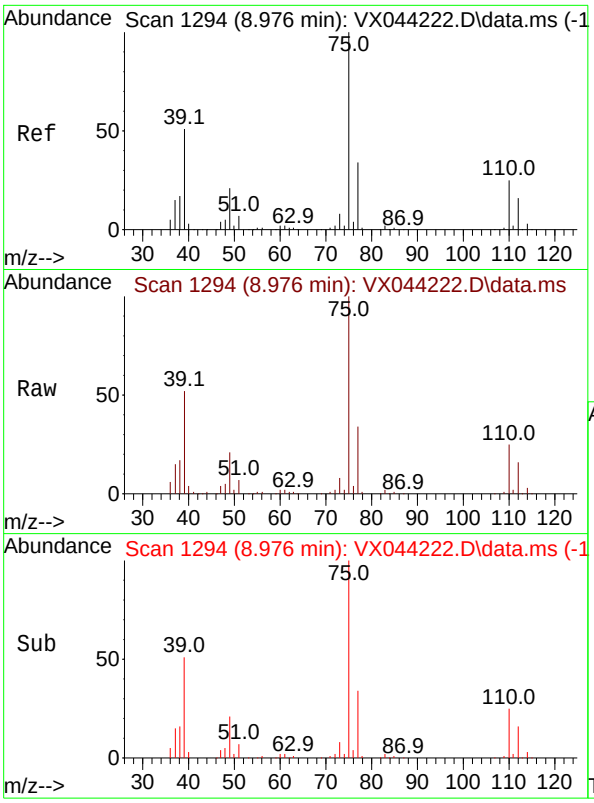


#52
Toluene
Concen: 51.370 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 92 Resp: 204738

Ion	Ratio	Lower	Upper
92	100		
91	171.3	137.0	205.6



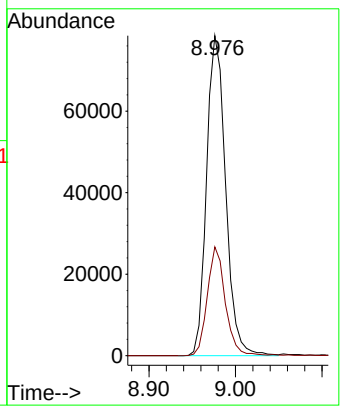


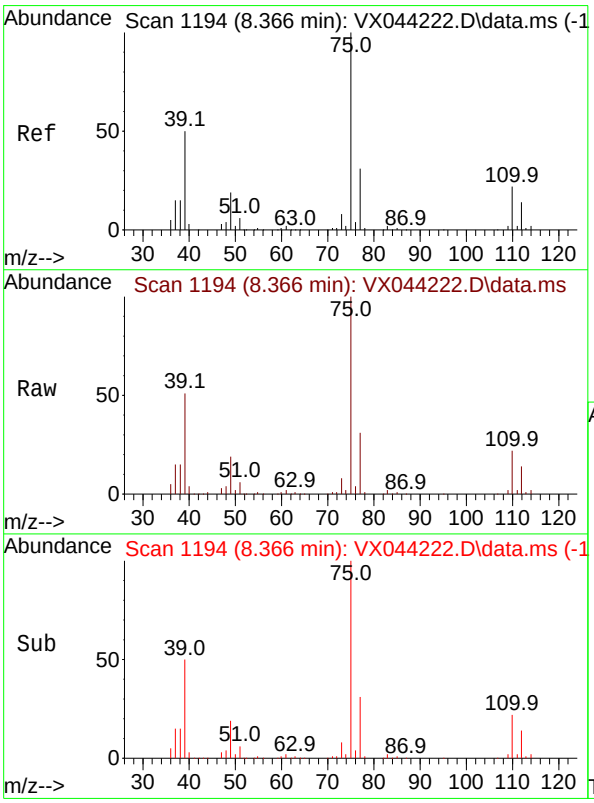
#53
t-1,3-Dichloropropene
Concen: 51.362 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 120007

Ion	Ratio	Lower	Upper
75	100		
77	34.0	27.2	40.8

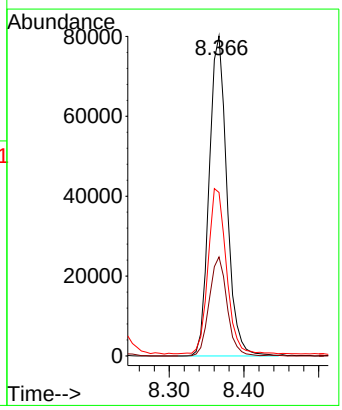


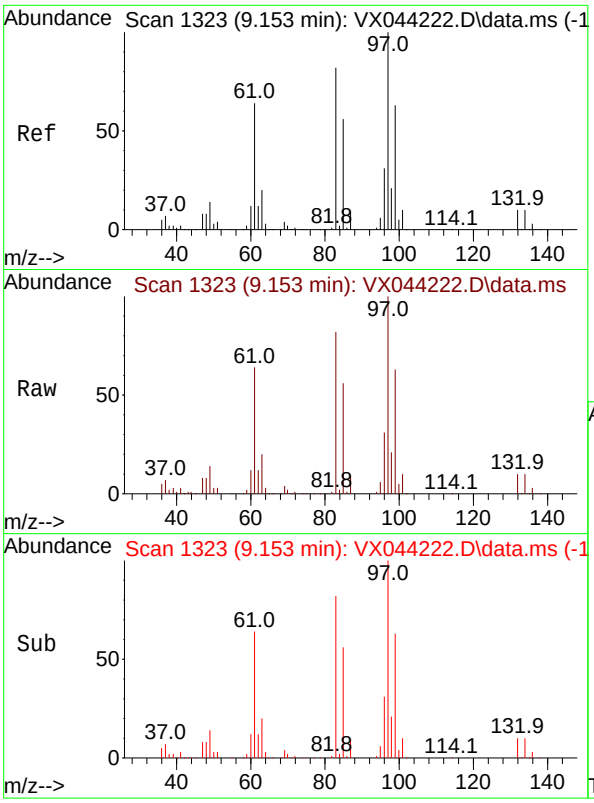


#54
cis-1,3-Dichloropropene
Concen: 55.923 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 75 Resp: 132286

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	50.4	40.3	60.5



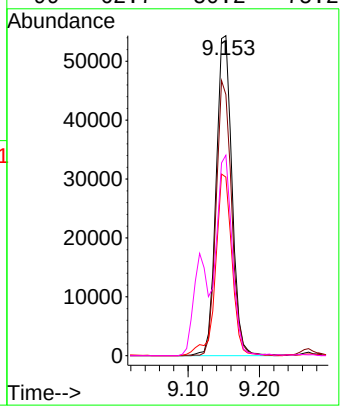


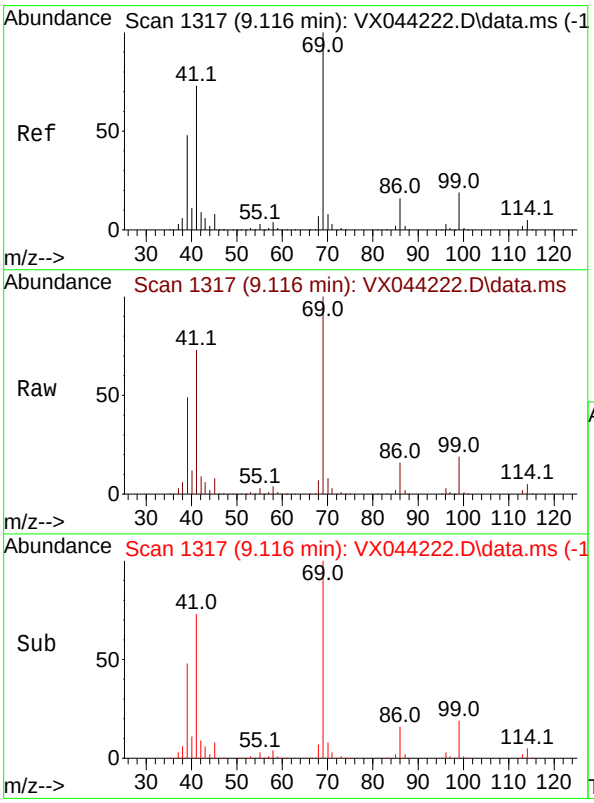
#55
1,1,2-Trichloroethane
Concen: 52.729 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 83488

Ion	Ratio	Lower	Upper
97	100		
83	81.6	65.3	97.9
85	55.8	44.6	67.0
99	62.7	50.2	75.2

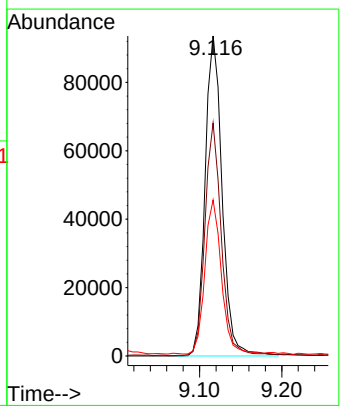


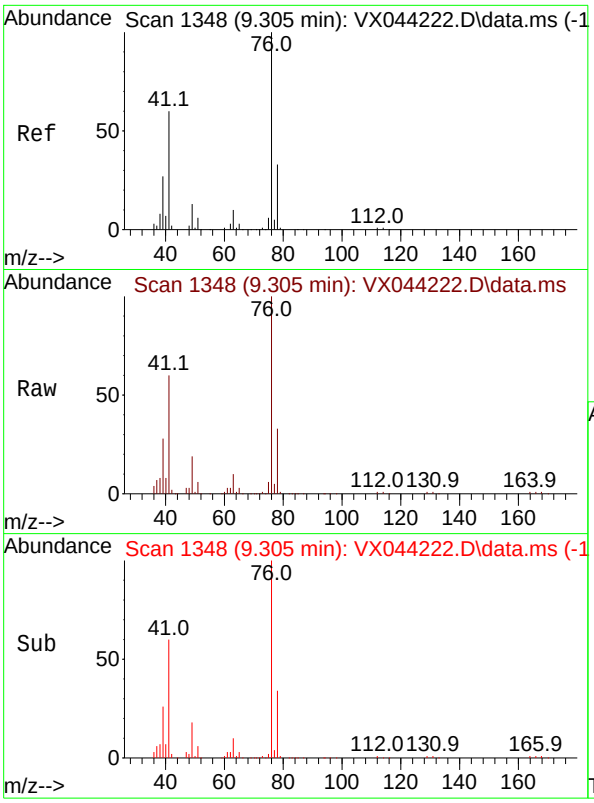


#56
Ethyl methacrylate
Concen: 53.917 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 69 Resp: 134770

Ion	Ratio	Lower	Upper
69	100		
41	70.8	56.6	85.0
39	46.7	37.4	56.0



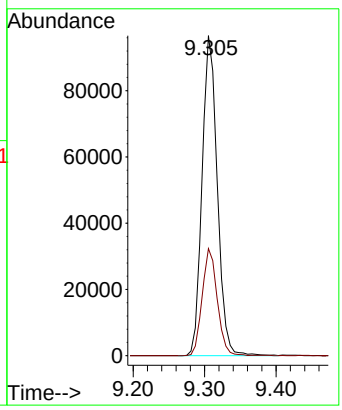


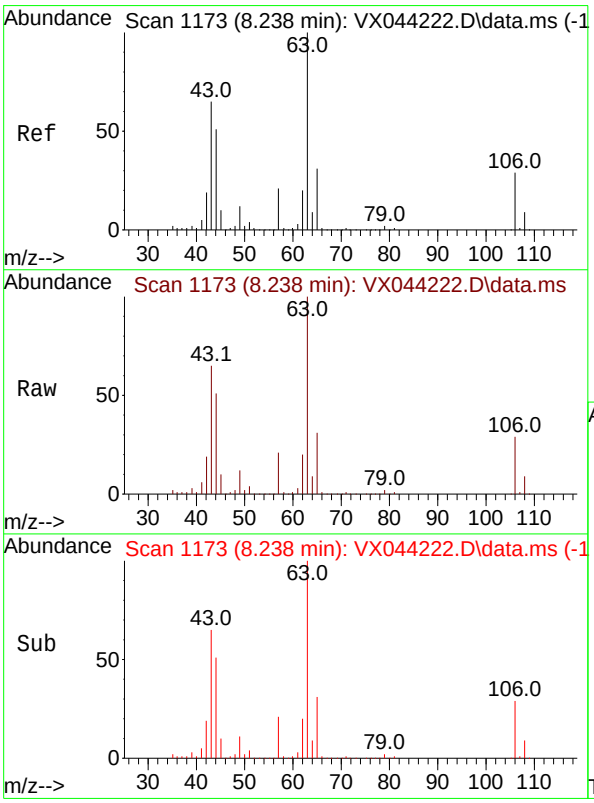
#57
1,3-Dichloropropane
Concen: 51.904 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 143044

Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.5	39.7

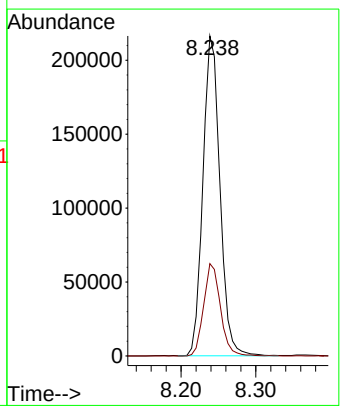


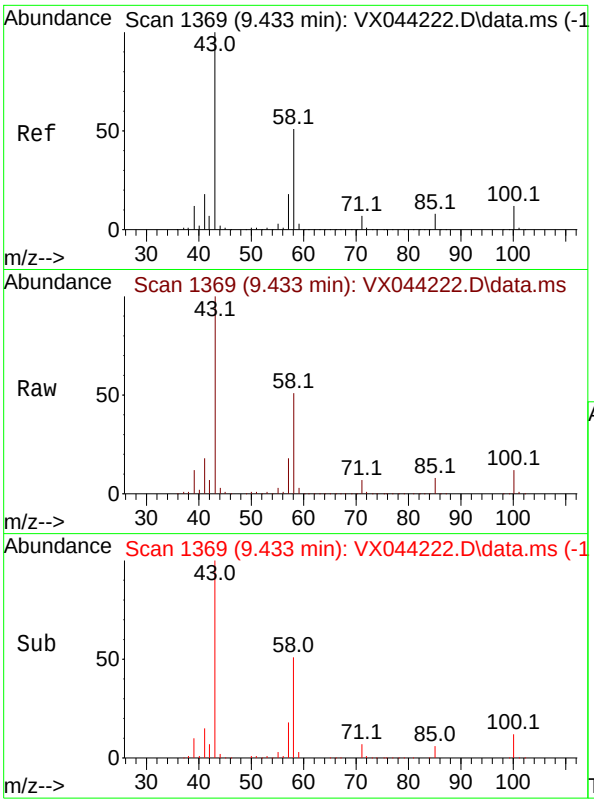


#58
2-Chloroethyl Vinyl ether
Concen: 271.745 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 63 Resp: 342592

Ion	Ratio	Lower	Upper
63	100		
106	28.5	22.8	34.2



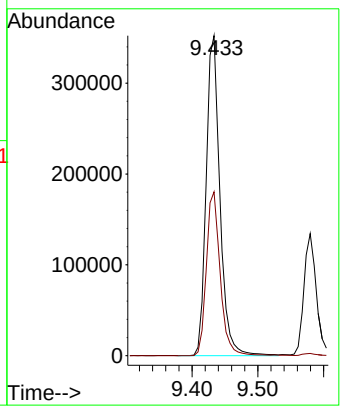


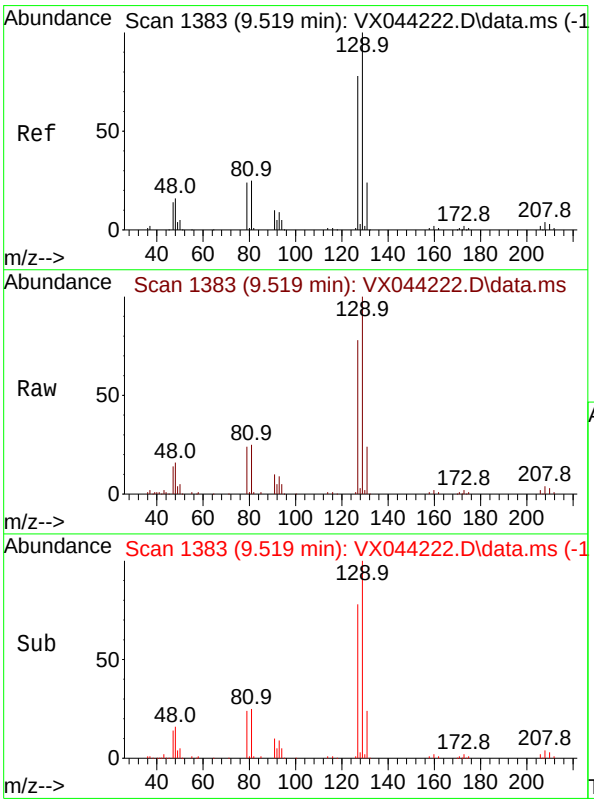
#59
2-Hexanone
Concen: 272.881 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 512906

Ion	Ratio	Lower	Upper
43	100		
58	51.3	25.7	77.0

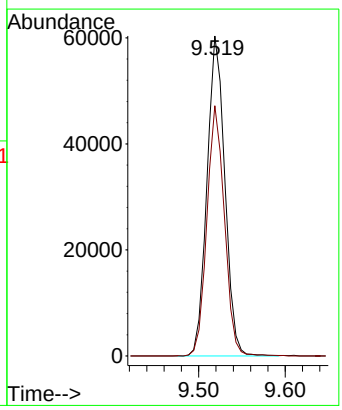


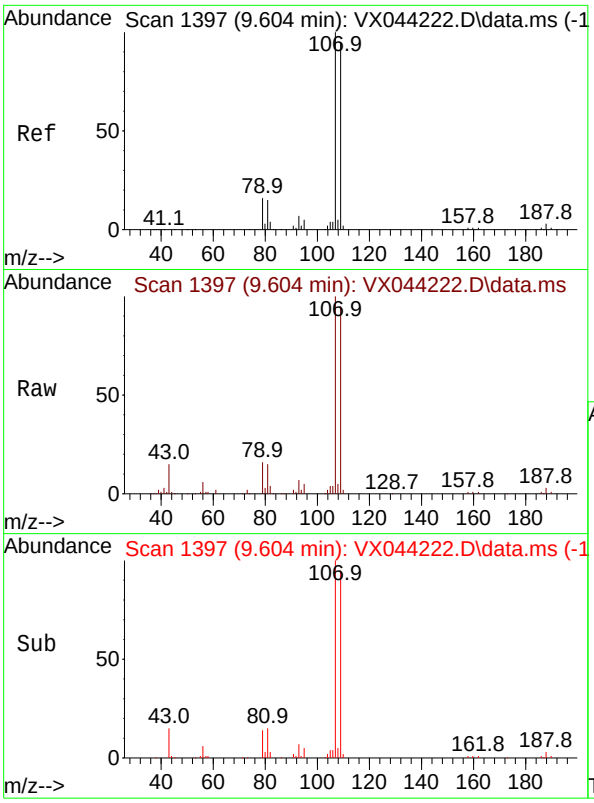


#60
Dibromochloromethane
Concen: 51.400 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:129 Resp: 86352

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.5	115.3



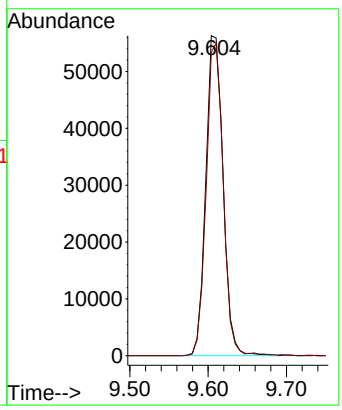


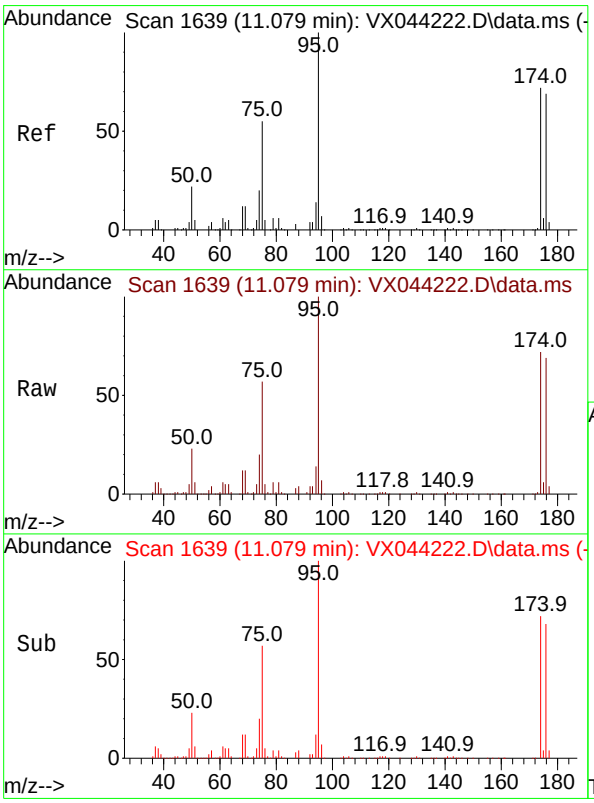
#61
1,2-Dibromoethane
Concen: 53.454 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 86150

Ion	Ratio	Lower	Upper
107	100		
109	96.2	77.0	115.4

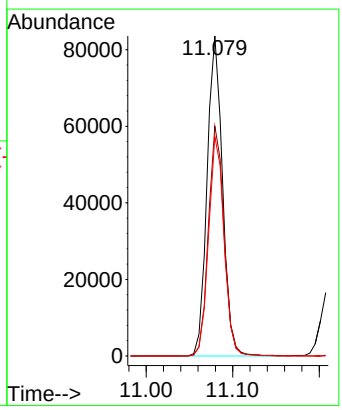


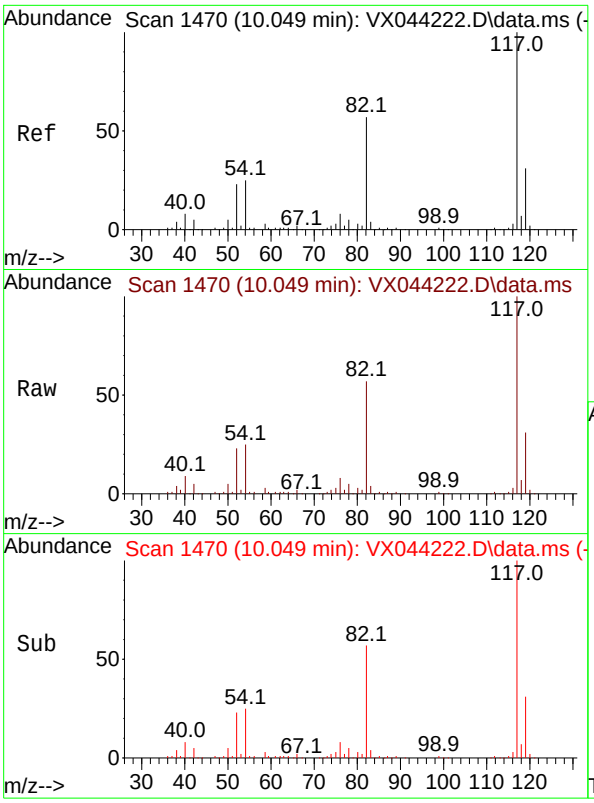


#62
4-Bromofluorobenzene
Concen: 54.123 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 95 Resp: 103178

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	145.8
176	68.9	0.0	137.8



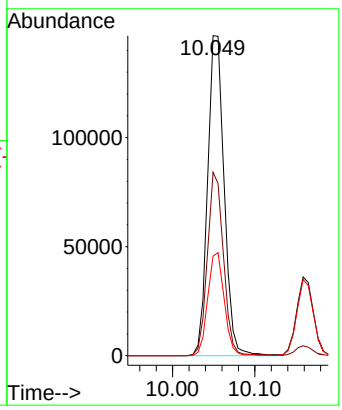


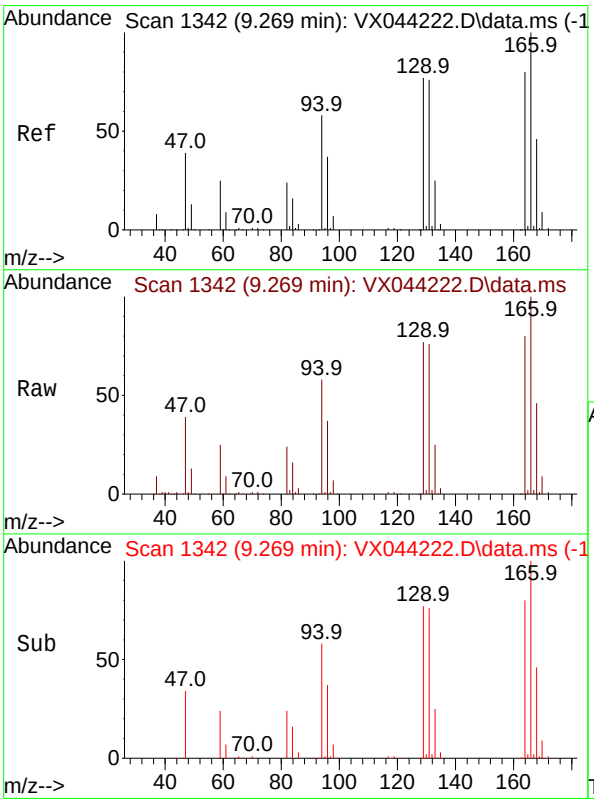
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 205196

Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.8	68.8
119	31.2	25.0	37.4

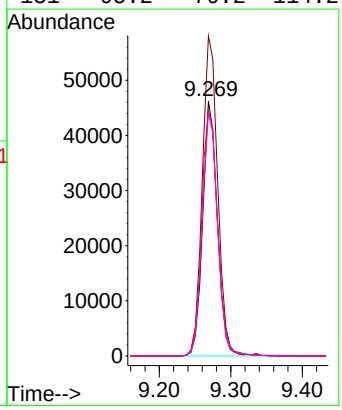


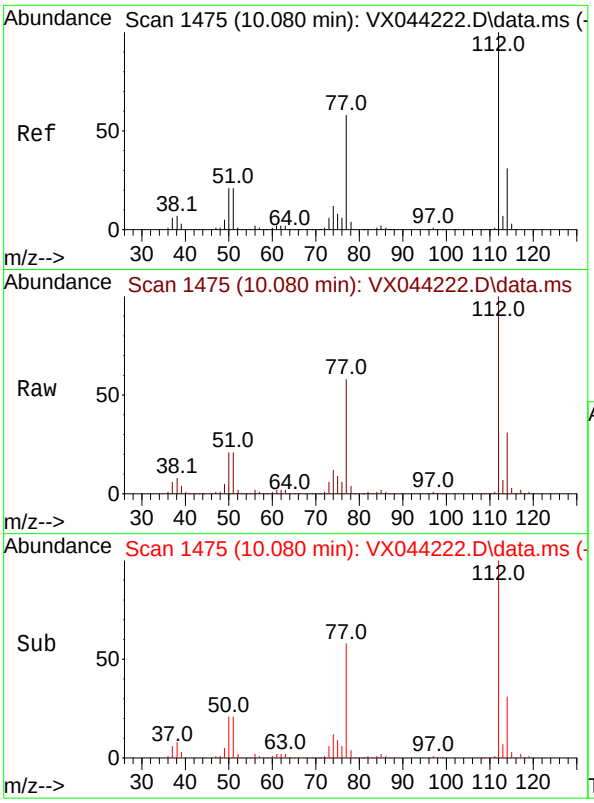


#64
Tetrachloroethene
Concen: 48.379 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:164 Resp: 65888

Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.4	150.6
129	96.5	77.2	115.8
131	95.2	76.2	114.2



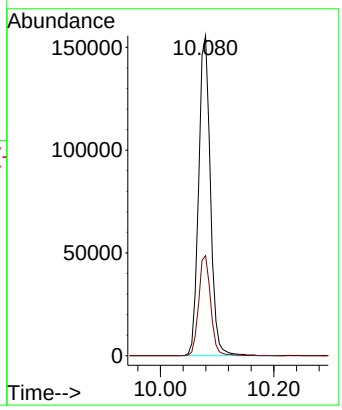


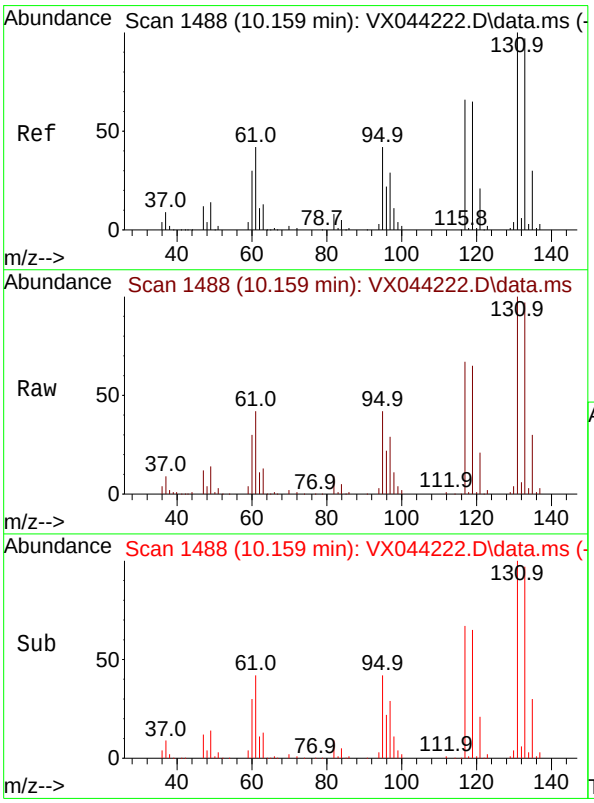
#65
Chlorobenzene
Concen: 50.779 ug/l
RT: 10.080 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 223269

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.6

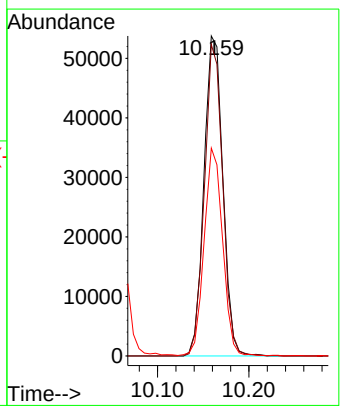


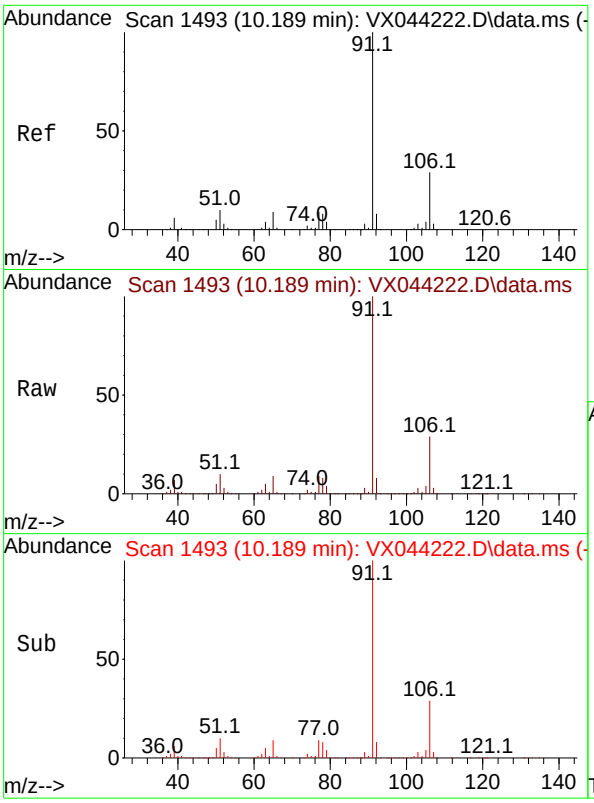


#66
1,1,1,2-Tetrachloroethane
Concen: 54.396 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:131 Resp: 76867

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.3	141.8
119	63.3	31.6	95.0



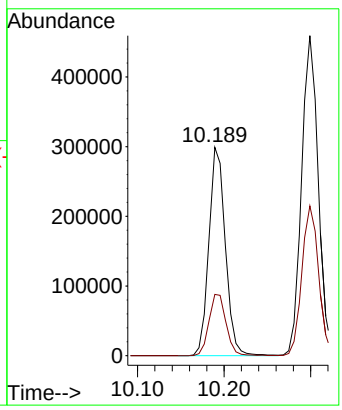


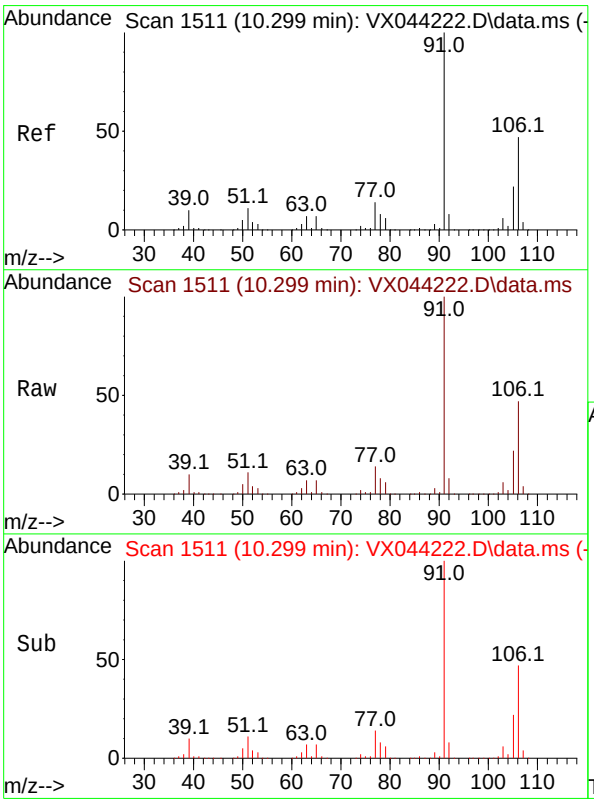
#67
Ethyl Benzene
Concen: 52.050 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 395430

Ion	Ratio	Lower	Upper
91	100		
106	29.4	23.5	35.3

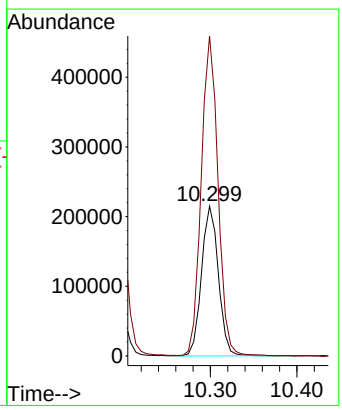


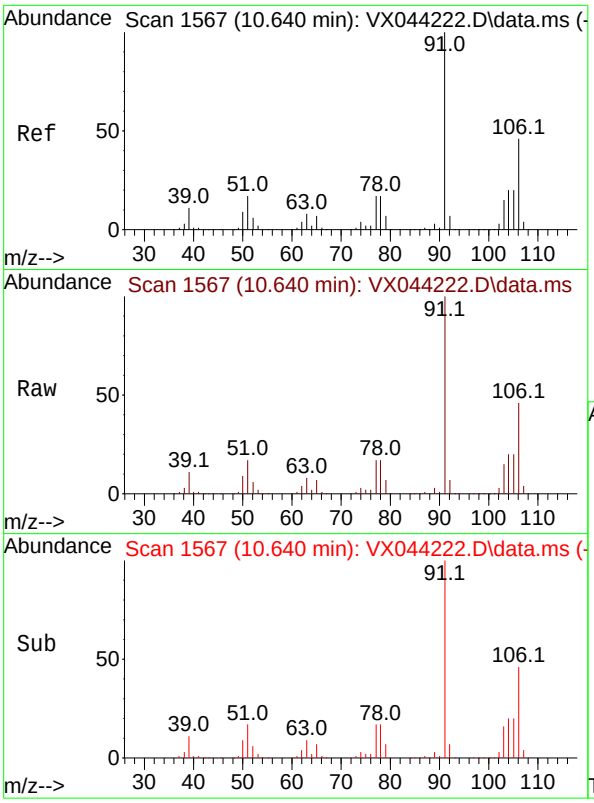


#68
m/p-Xylenes
Concen: 104.094 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:106 Resp: 290181

Ion	Ratio	Lower	Upper
106	100		
91	212.7	170.2	255.2



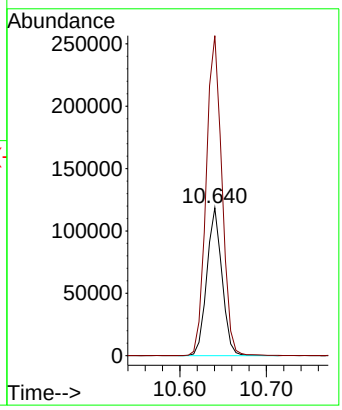


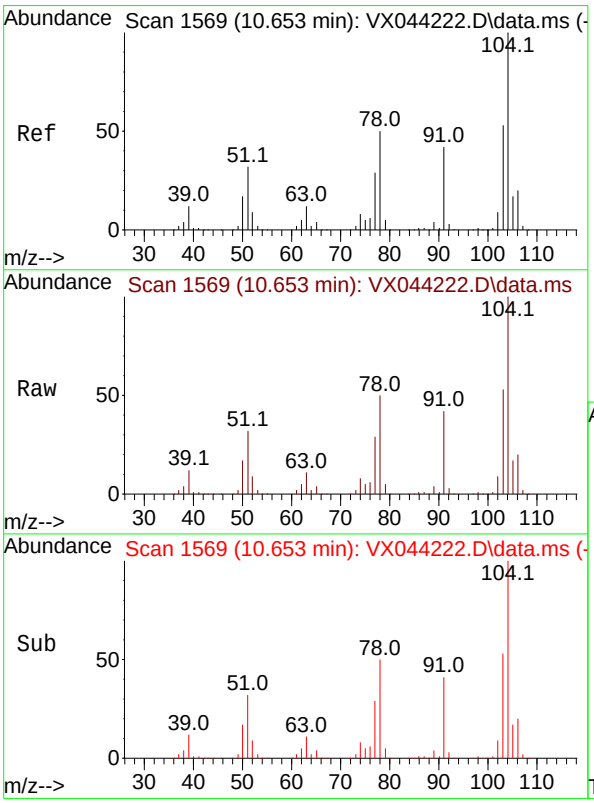
#69
o-Xylene
Concen: 51.141 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 144247

Ion	Ratio	Lower	Upper
106	100		
91	224.7	112.3	337.0

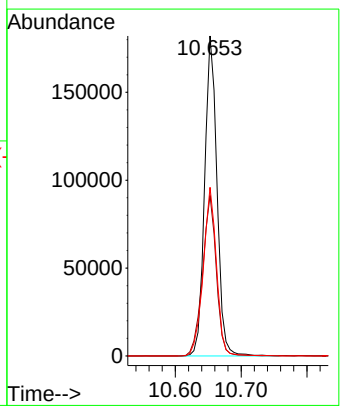


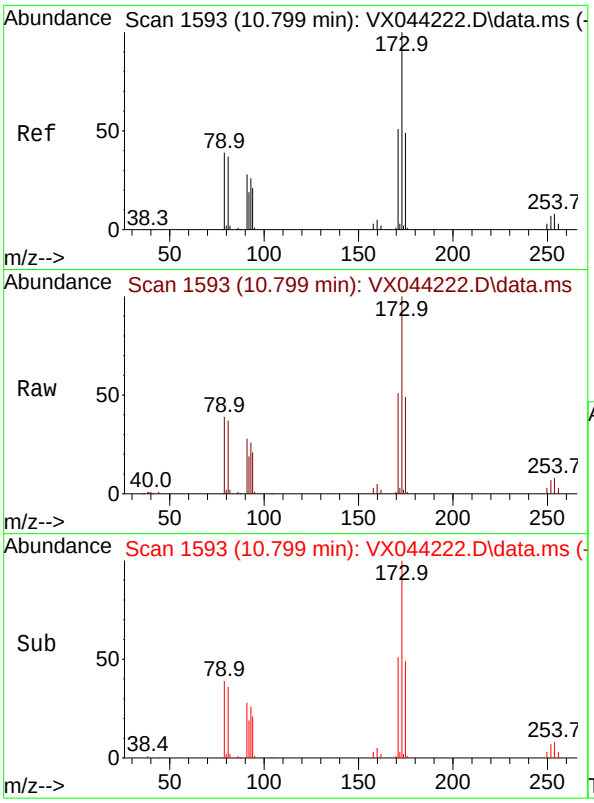


#70
Styrene
Concen: 52.719 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:104 Resp: 238379

Ion	Ratio	Lower	Upper
104	100		
78	55.8	44.6	67.0
103	56.7	45.4	68.0



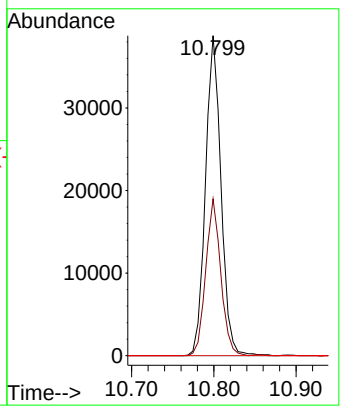


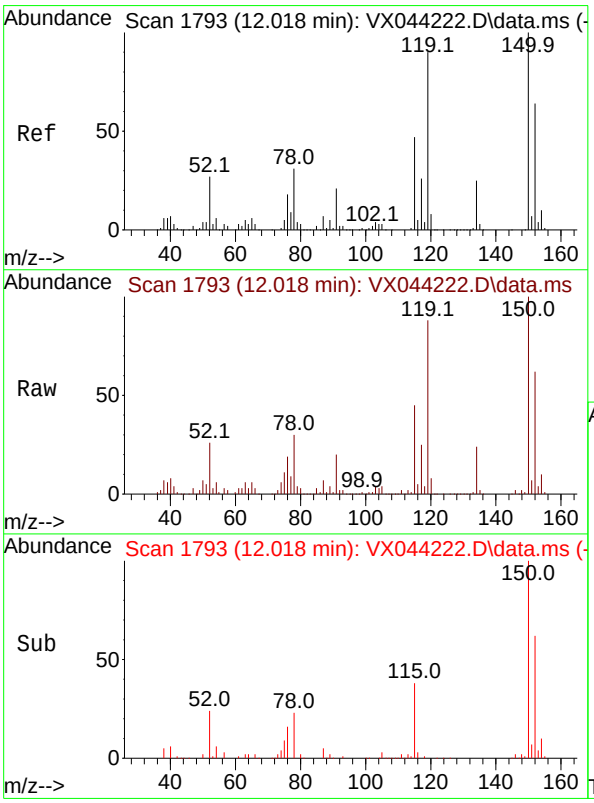
#71
Bromoform
Concen: 51.158 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 50667

Ion	Ratio	Lower	Upper
173	100		
175	47.6	23.8	71.4
254	0.0	0.0	0.0

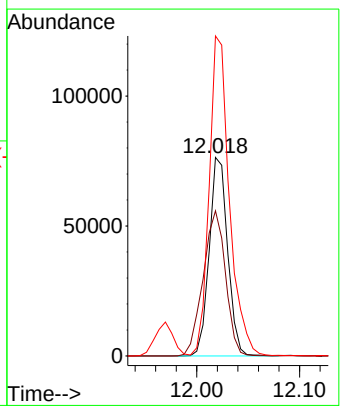


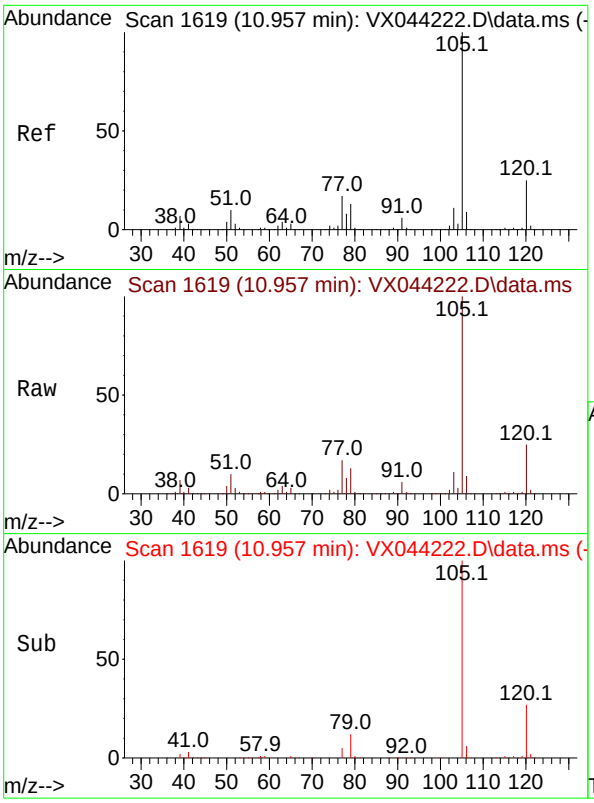


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:152 Resp: 95227

Ion	Ratio	Lower	Upper
152	100		
115	88.9	44.5	133.3
150	176.9	0.0	353.8



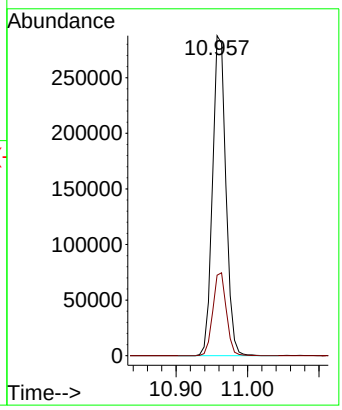


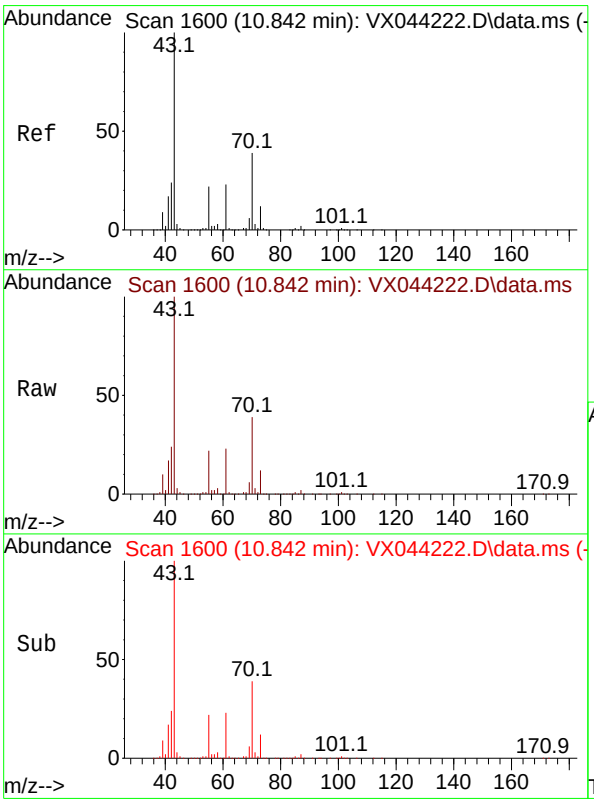
#73
Isopropylbenzene
Concen: 51.100 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 372519

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.1	39.3

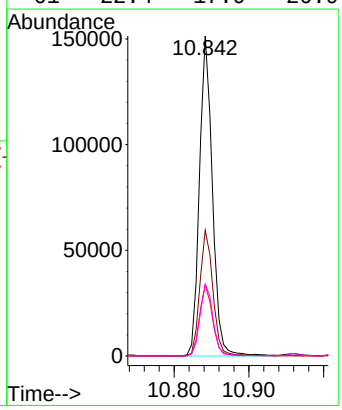


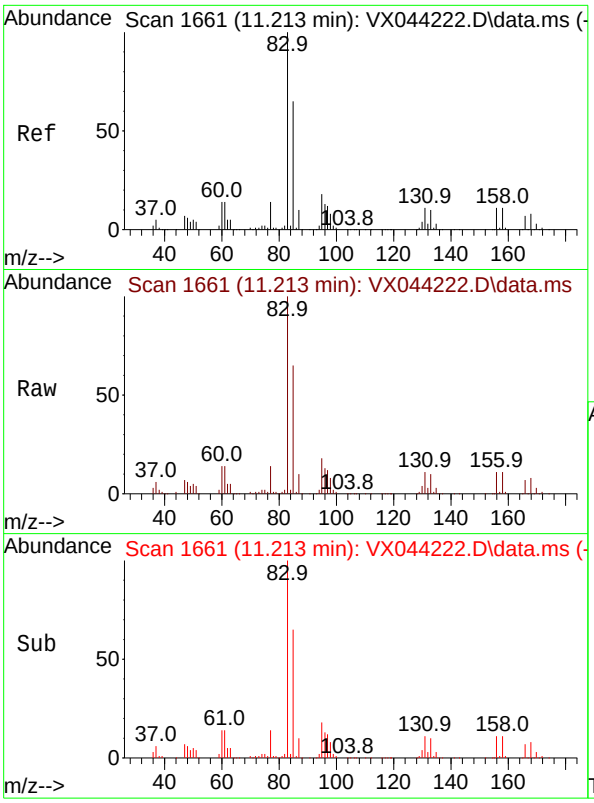


#74
N-amyl acetate
Concen: 54.166 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 43 Resp: 182491

Ion	Ratio	Lower	Upper
43	100		
70	39.9	31.9	47.9
55	22.4	17.9	26.9
61	22.4	17.9	26.9



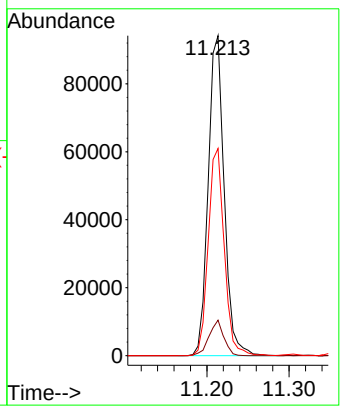


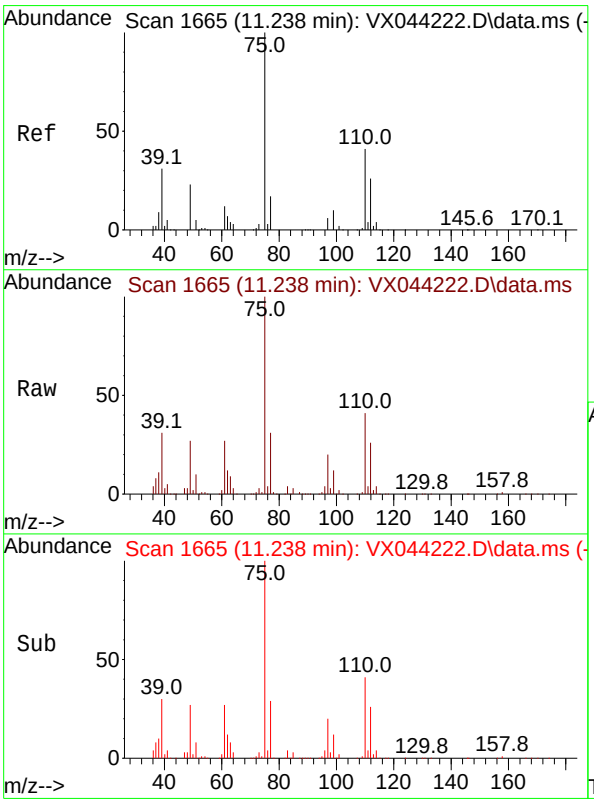
#75
1,1,2,2-Tetrachloroethane
Concen: 50.233 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 127193

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.4
85	64.9	32.5	97.4

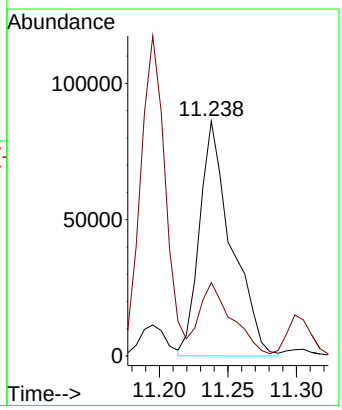


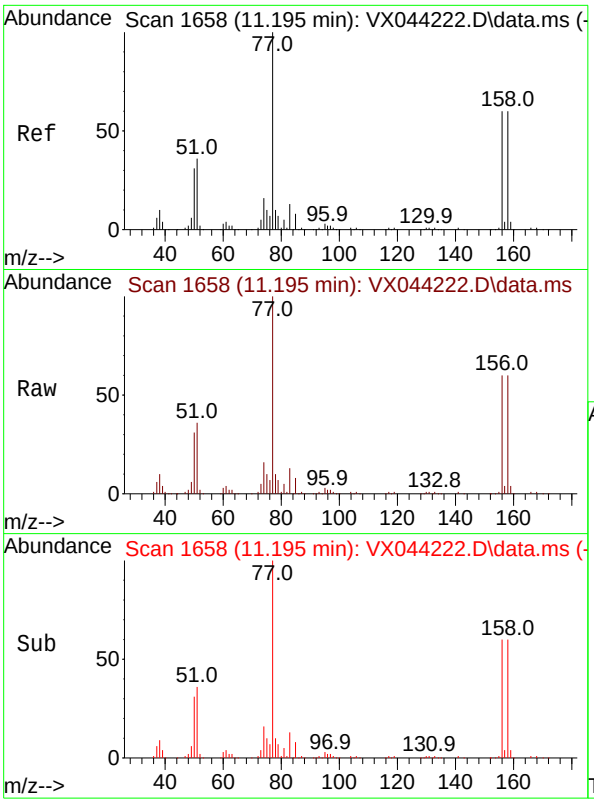


#76
1,2,3-Trichloropropane
Concen: 64.698 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 75 Resp: 139805

Ion	Ratio	Lower	Upper
75	100		
77	32.0	20.9	62.7



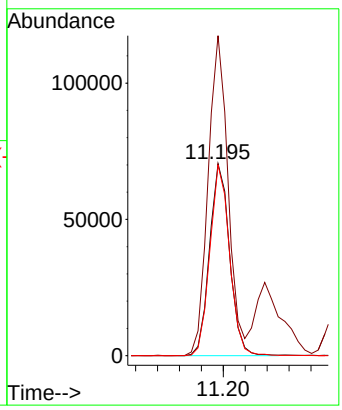


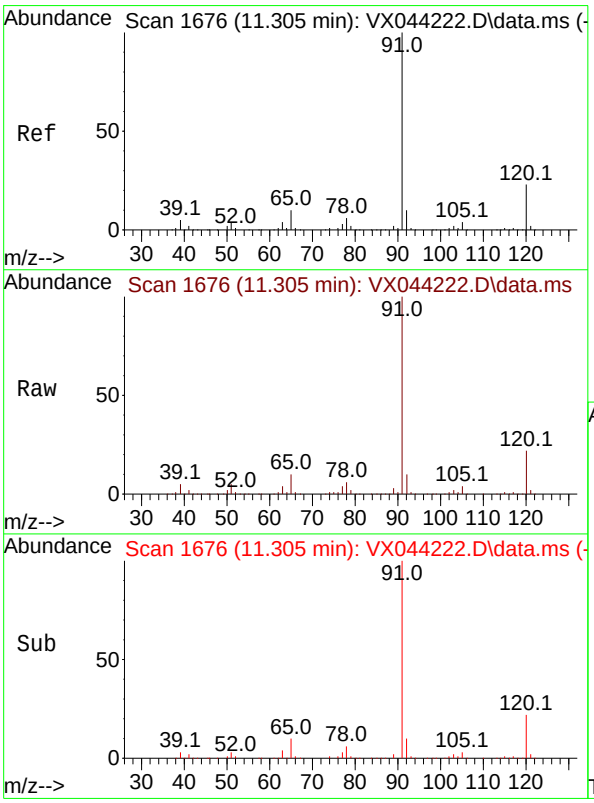
#77
Bromobenzene
Concen: 50.734 ug/l
RT: 11.195 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 89687

Ion	Ratio	Lower	Upper
156	100		
77	165.2	82.6	247.8
158	97.6	48.8	146.4

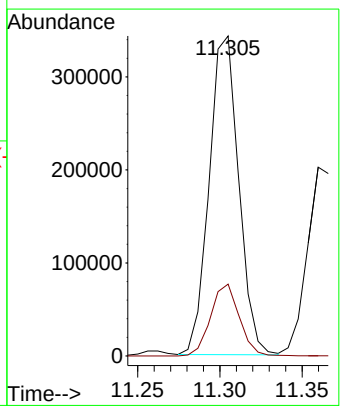


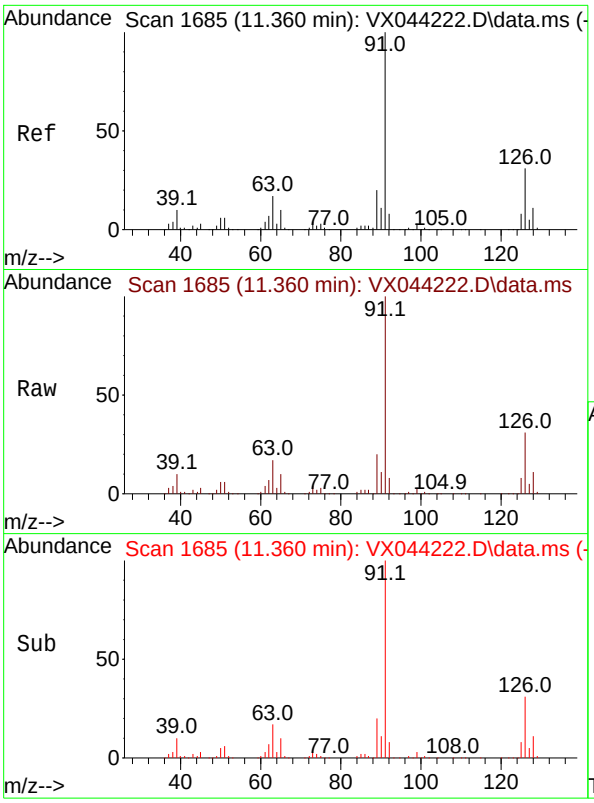


#78
n-propylbenzene
Concen: 53.211 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 91 Resp: 428741

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.0	33.0



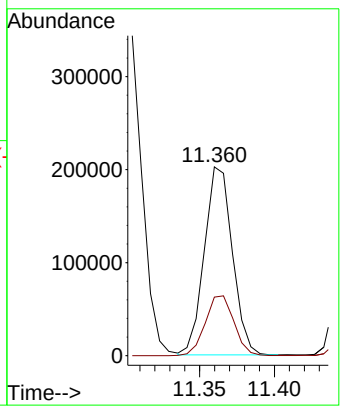


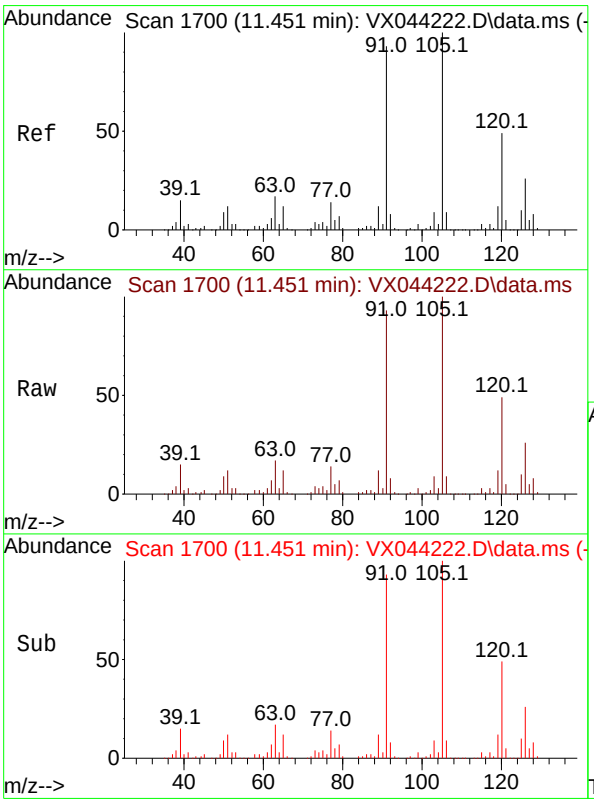
#79
2-Chlorotoluene
Concen: 50.634 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 263849

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.1

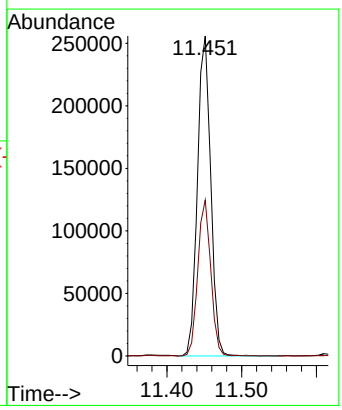


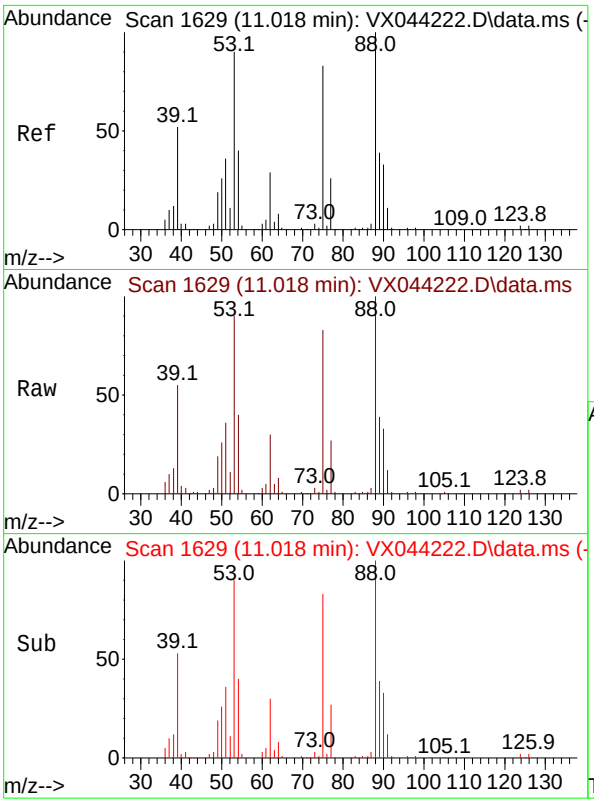


#80
1,3,5-Trimethylbenzene
Concen: 52.102 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:105 Resp: 314986

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.8	71.4



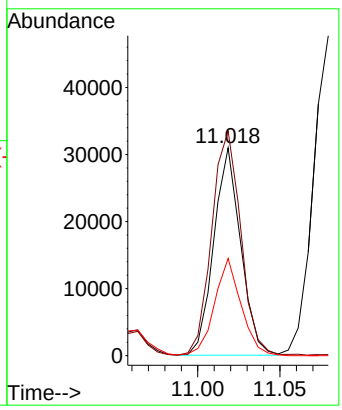


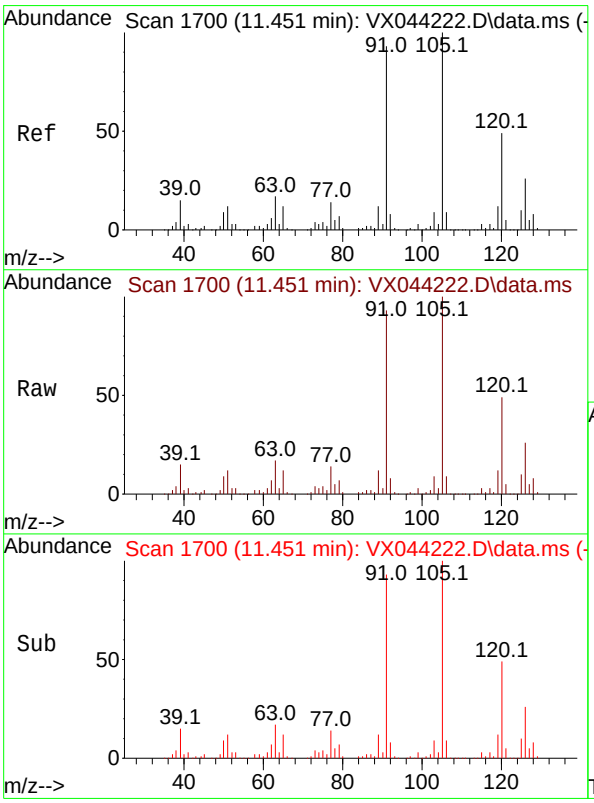
#81
trans-1,4-Dichloro-2-butene
Concen: 47.628 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 35119

Ion	Ratio	Lower	Upper
75	100		
53	117.0	93.6	140.4
89	46.6	37.3	55.9

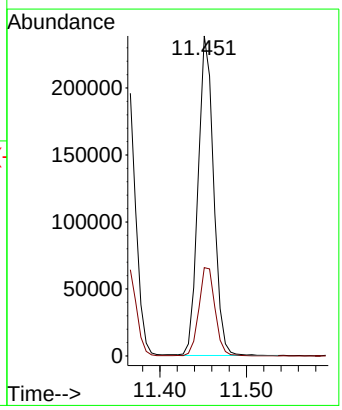


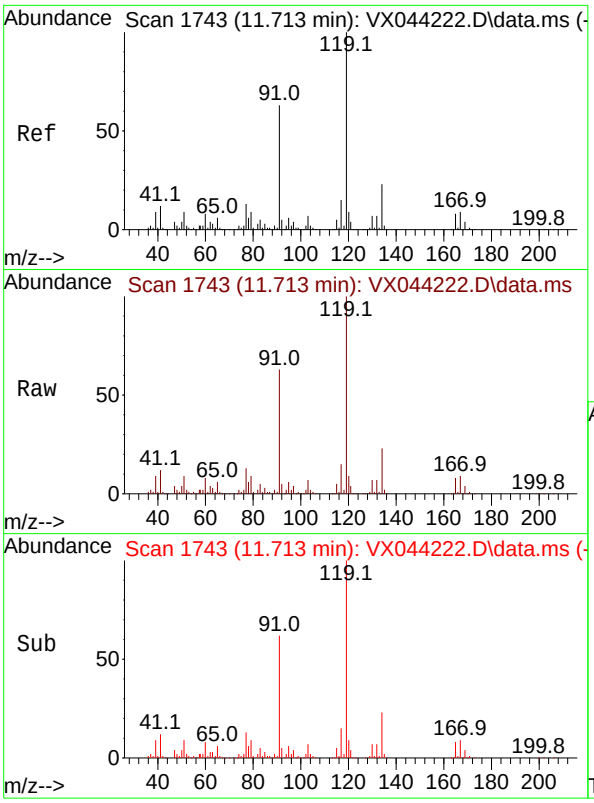


#82
4-Chlorotoluene
Concen: 51.387 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 91 Resp: 296520

Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.5	43.5



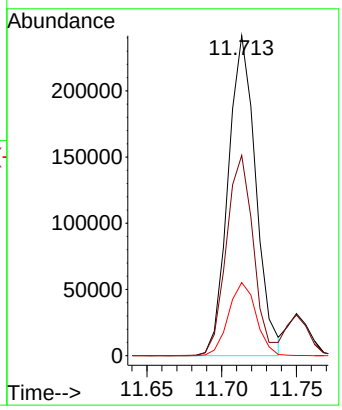


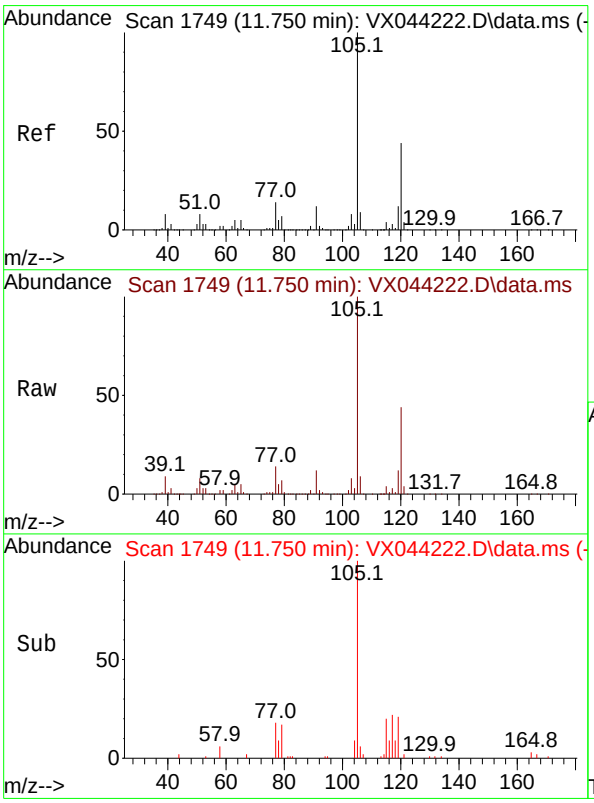
#83
tert-Butylbenzene
Concen: 51.940 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 310320

Ion	Ratio	Lower	Upper
119	100		
91	61.7	30.9	92.5
134	22.9	11.5	34.4

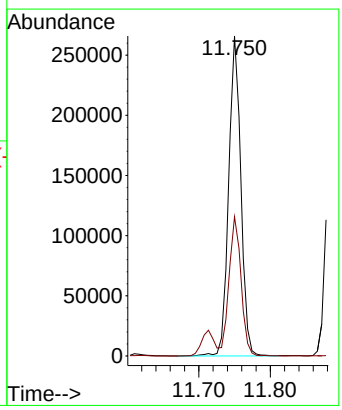


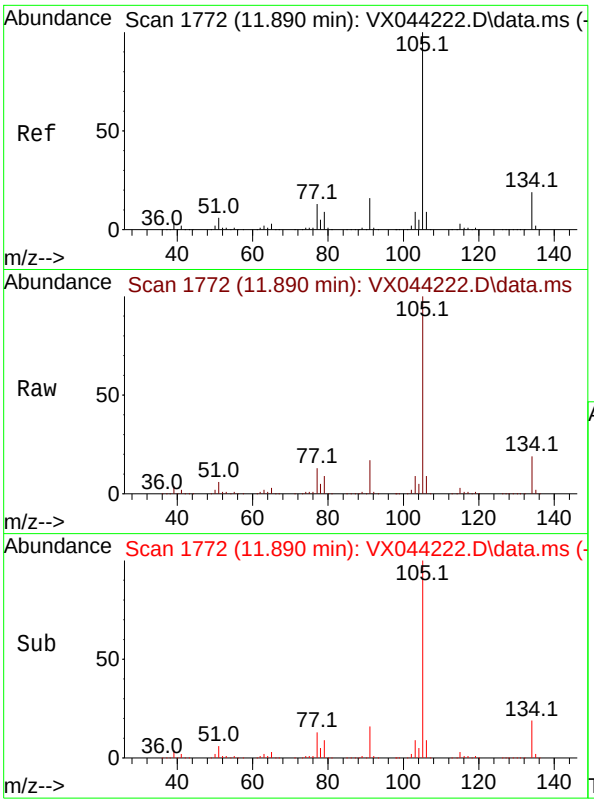


#84
1,2,4-Trimethylbenzene
Concen: 52.776 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:105 Resp: 313338

Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.7	65.1



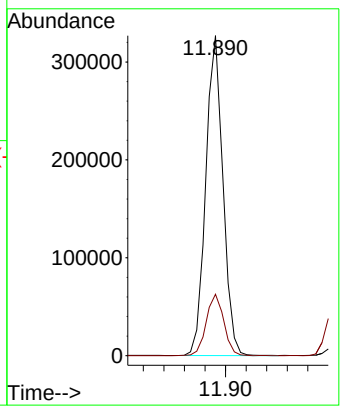


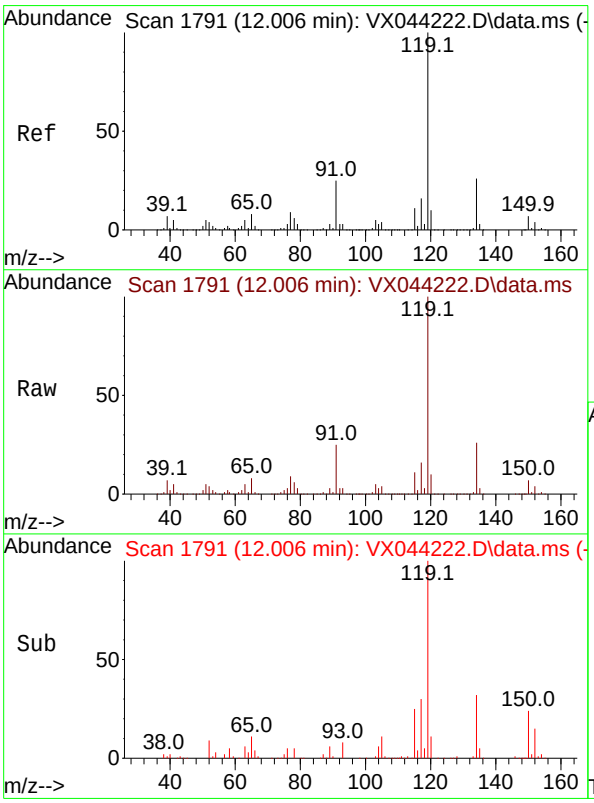
#85
sec-Butylbenzene
Concen: 52.329 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 379552

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

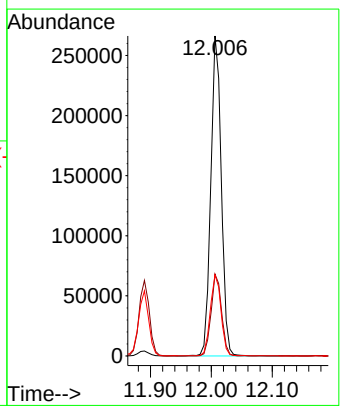


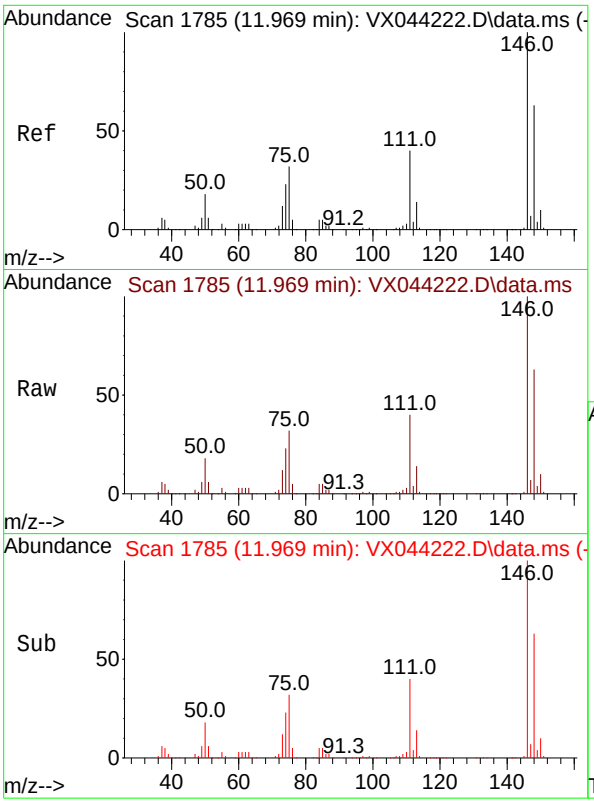


#86
p-Isopropyltoluene
Concen: 52.796 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:119 Resp: 318721

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.8	38.4
91	26.0	13.0	39.0



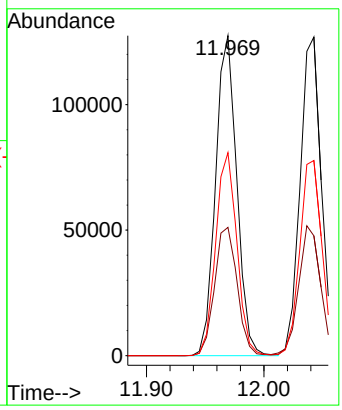


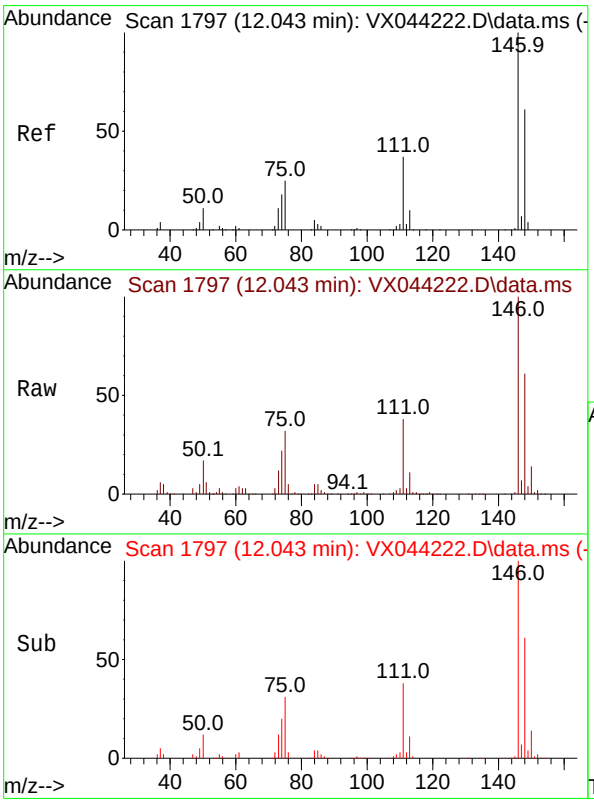
#87
1,3-Dichlorobenzene
Concen: 51.887 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 160223

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.4	64.2
148	63.4	31.7	95.1

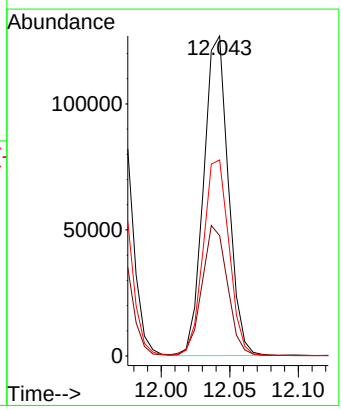


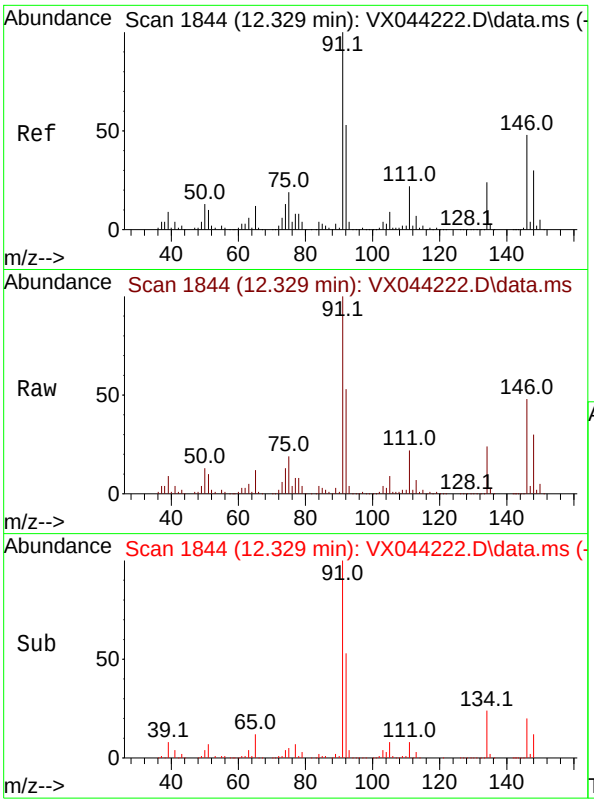


#88
1,4-Dichlorobenzene
Concen: 50.171 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:146 Resp: 159258

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.0	63.0
148	64.5	32.3	96.8



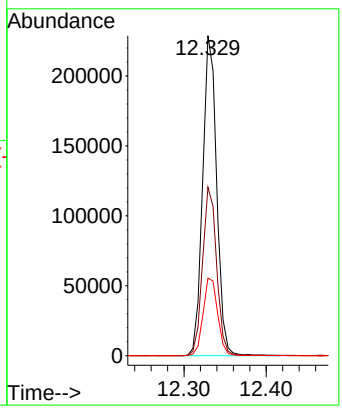


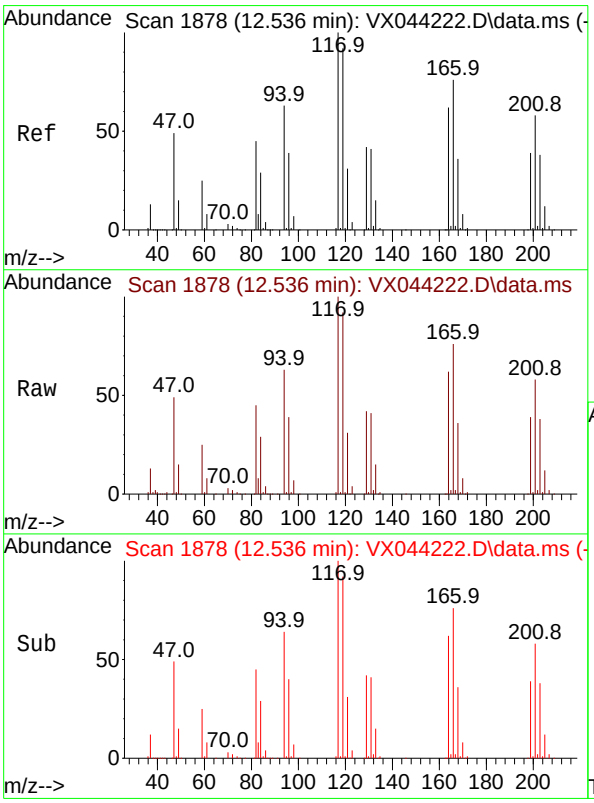
#89
n-Butylbenzene
Concen: 53.354 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 270840

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	25.2	12.6	37.8

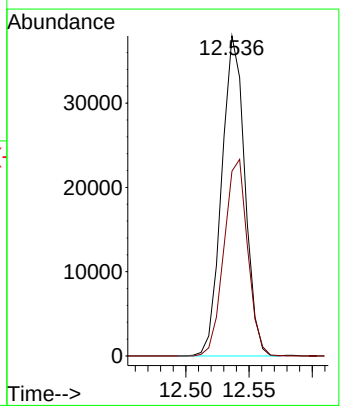


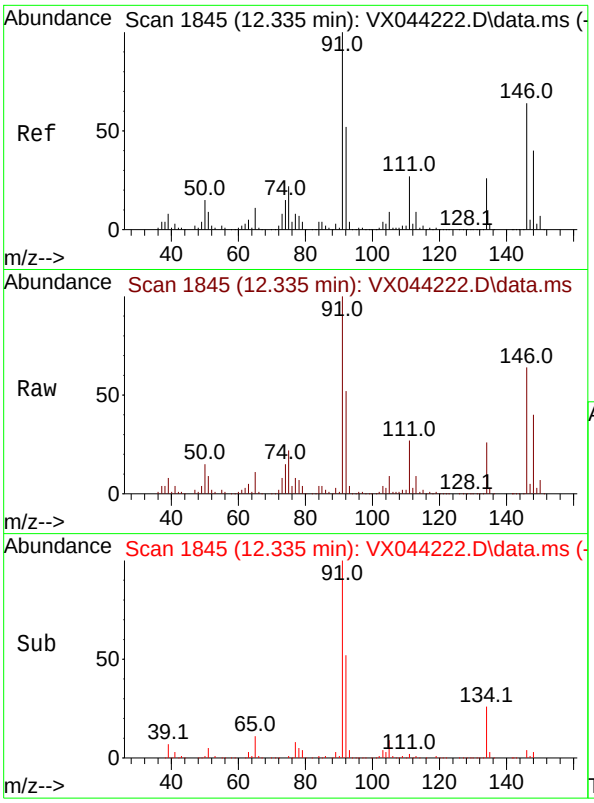


#90
Hexachloroethane
Concen: 54.813 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:117 Resp: 48303

Ion	Ratio	Lower	Upper
117	100		
201	62.8	31.4	94.2



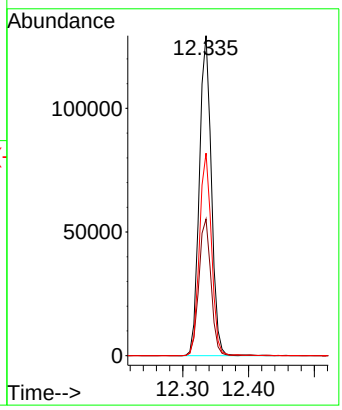


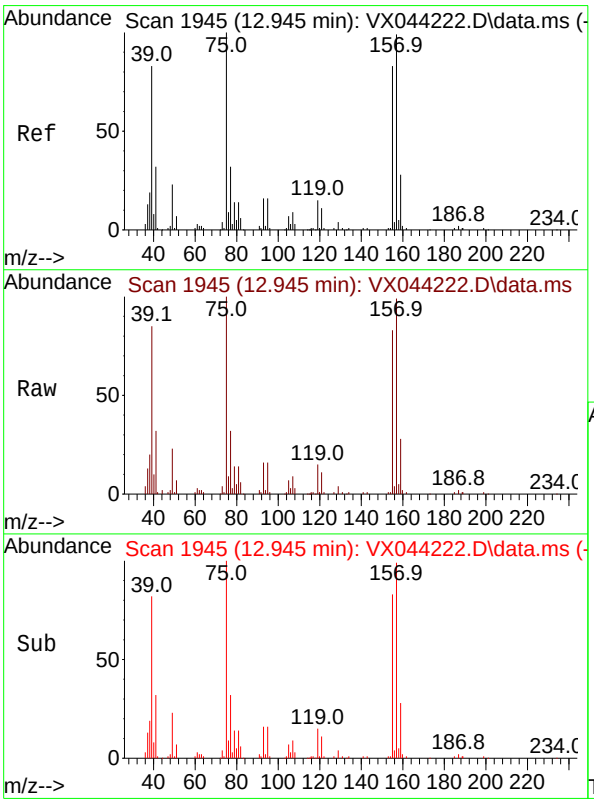
#91
1,2-Dichlorobenzene
Concen: 51.256 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 164342

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.4	64.3
148	63.3	31.6	95.0

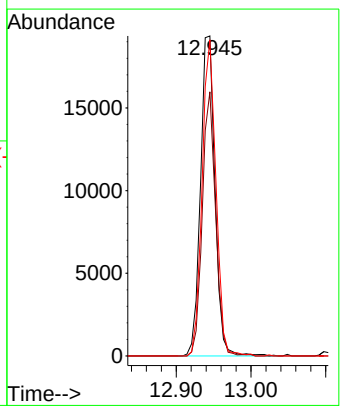


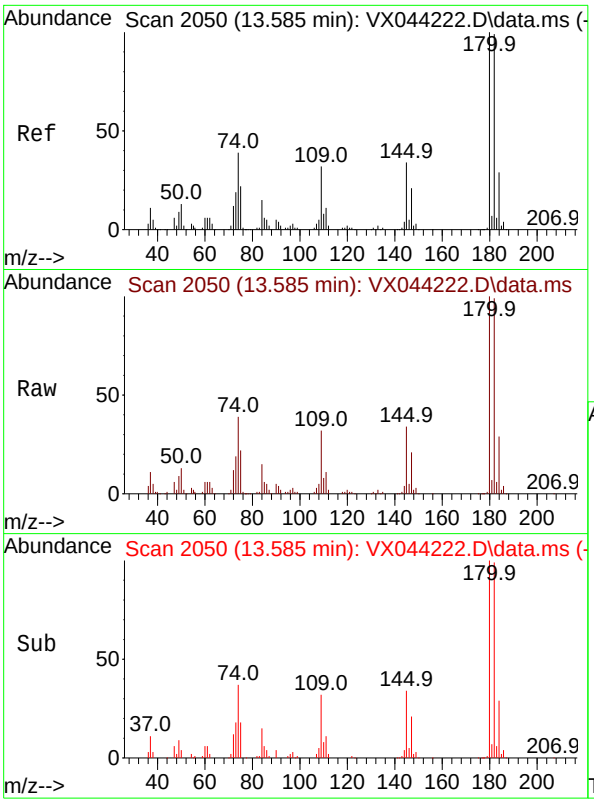


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.951 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion: 75 Resp: 26027

Ion	Ratio	Lower	Upper
75	100		
155	76.2	38.1	114.3
157	94.4	47.2	141.6



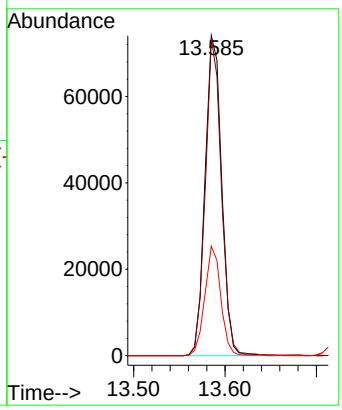


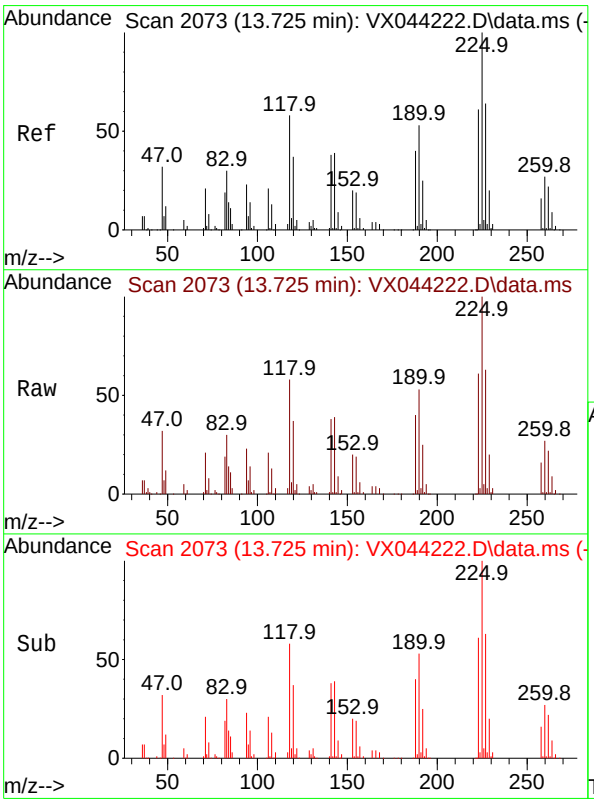
#93
1,2,4-Trichlorobenzene
Concen: 53.005 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 93173

Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.0	144.2
145	33.1	16.6	49.7

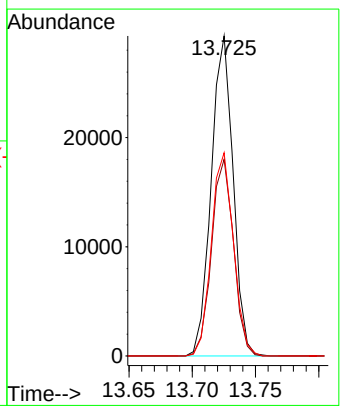


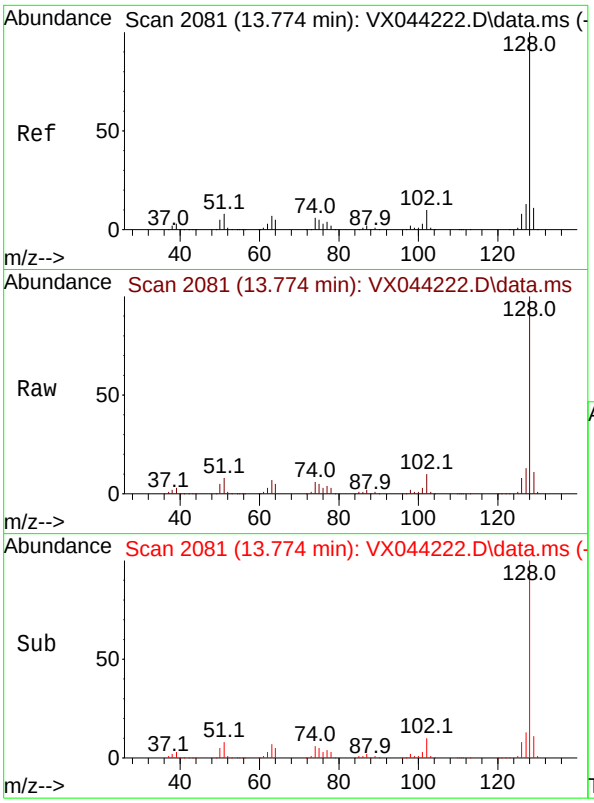


#94
Hexachlorobutadiene
Concen: 49.744 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:225 Resp: 35172

Ion	Ratio	Lower	Upper
225	100		
223	61.6	30.8	92.4
227	64.2	32.1	96.3



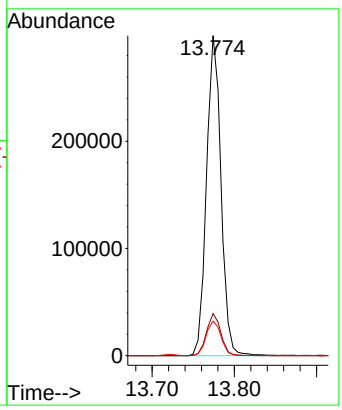


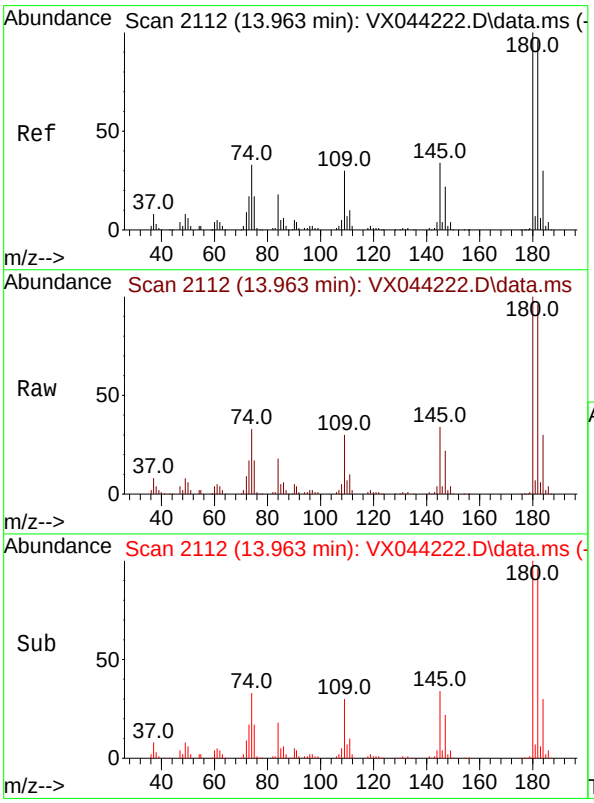
#95
Naphthalene
Concen: 53.230 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 365234

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.2	9.0	13.4

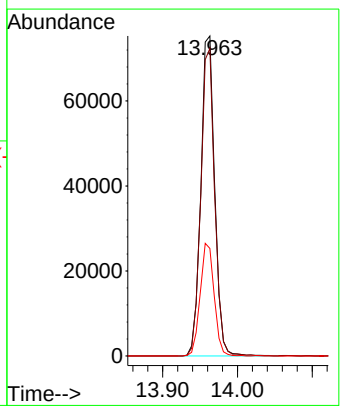




#96
1,2,3-Trichlorobenzene
Concen: 52.027 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX044222.D
Acq: 11 Dec 2024 12:14

Tgt Ion:180 Resp: 97000

Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.0	144.0
145	35.4	17.7	53.1



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044223.D
Acq On : 11 Dec 2024 12:37
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Dec 12 04:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.550	168	130101	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	235738	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.055	117	209164	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97670	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.952	65	224292	98.326 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 196.660%#		
35) Dibromofluoromethane	5.379	113	169582	103.866 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 207.740%#		
50) Toluene-d8	8.647	98	579477	105.201 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 210.400%#		
62) 4-Bromofluorobenzene	11.079	95	203694	105.830 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 211.660%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.167	85	193785	96.329 ug/l	97
3) Chloromethane	1.295	50	186167	96.774 ug/l	99
4) Vinyl Chloride	1.374	62	187739	93.675 ug/l	99
5) Bromomethane	1.593	94	137770	96.897 ug/l	97
6) Chloroethane	1.660	64	109912	88.074 ug/l	95
7) Trichlorofluoromethane	1.862	101	384622	98.030 ug/l	98
8) Diethyl Ether	2.136	74	124039	92.618 ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	149151	93.944 ug/l	99
10) Methyl Iodide	2.441	142	203545	97.275 ug/l	100
11) Tert butyl alcohol	3.008	59	173139	539.406 ug/l	100
12) 1,1-Dichloroethene	2.307	96	144268	98.930 ug/l	100
13) Acrolein	2.240	56	226037	485.718 ug/l	99
14) Allyl chloride	2.654	41	244602	100.703 ug/l	99
15) Acrylonitrile	3.069	53	446747	501.661 ug/l	99
16) Acetone	2.392	43	452955	487.065 ug/l	97
17) Carbon Disulfide	2.496	76	320036	115.453 ug/l	99
18) Methyl Acetate	2.709	43	230998	96.338 ug/l	97
19) Methyl tert-butyl Ether	3.117	73	564545	99.205 ug/l	99
20) Methylene Chloride	2.782	84	168498	96.466 ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	154797	99.880 ug/l	98
22) Diisopropyl ether	3.764	45	538742	98.498 ug/l	99
23) Vinyl Acetate	3.721	43	2395923	538.801 ug/l	100
24) 1,1-Dichloroethane	3.605	63	304626	99.915 ug/l	99
25) 2-Butanone	4.568	43	662768	501.306 ug/l	99
26) 2,2-Dichloropropane	4.471	77	258092	104.201 ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	190127	96.593 ug/l	99
28) Bromochloromethane	4.891	49	144783	96.842 ug/l	99
29) Tetrahydrofuran	5.007	42	412666	486.290 ug/l	99
30) Chloroform	5.093	83	331047	96.642 ug/l	98
31) Cyclohexane	5.458	56	239879	97.433 ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	291065	102.363 ug/l	99
36) 1,1-Dichloropropene	5.684	75	209732	99.376 ug/l	98
37) Ethyl Acetate	4.721	43	266307	102.079 ug/l	100
38) Carbon Tetrachloride	5.672	117	236869	104.249 ug/l	96
39) Methylcyclohexane	7.373	83	259368	102.800 ug/l	98
40) Benzene	6.032	78	638055	99.575 ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044223.D
Acq On : 11 Dec 2024 12:37
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Dec 12 04:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	140375	101.332 ug/l	99
42) 1,2-Dichloroethane	6.086	62	261991	99.255 ug/l	99
43) Isopropyl Acetate	6.342	43	427893	104.939 ug/l	99
44) Trichloroethene	7.123	130	158990	99.497 ug/l	99
45) 1,2-Dichloropropane	7.428	63	160913	98.293 ug/l	97
46) Dibromomethane	7.580	93	130316	102.607 ug/l	99
47) Bromodichloromethane	7.818	83	244401	111.423 ug/l	100
48) Methyl methacrylate	7.696	41	203116	102.618 ug/l	99
49) 1,4-Dioxane	7.665	88	61921	1830.521 ug/l #	80
51) 4-Methyl-2-Pentanone	8.574	43	1322678	504.496 ug/l	99
52) Toluene	8.714	92	396383	98.506 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	248092	99.321 ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	263014	110.127 ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	157366	98.441 ug/l	98
56) Ethyl methacrylate	9.116	69	271146	107.442 ug/l	99
57) 1,3-Dichloropropane	9.305	76	274642	98.704 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	671233	527.342 ug/l	100
59) 2-Hexanone	9.433	43	989466	521.401 ug/l	99
60) Dibromochloromethane	9.519	129	178135	99.480 ug/l	99
61) 1,2-Dibromoethane	9.610	107	171458	105.371 ug/l	97
64) Tetrachloroethene	9.269	164	130678	94.131 ug/l	97
65) Chlorobenzene	10.080	112	433179	96.650 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	153882	106.831 ug/l	99
67) Ethyl Benzene	10.195	91	765930	98.906 ug/l	97
68) m/p-Xylenes	10.299	106	571648	201.171 ug/l	99
69) o-Xylene	10.640	106	280603	97.597 ug/l	100
70) Styrene	10.653	104	480077	104.159 ug/l	97
71) Bromoform	10.799	173	112482	99.723 ug/l #	98
73) Isopropylbenzene	10.964	105	731955	97.894 ug/l	99
74) N-amyl acetate	10.842	43	371420	107.485 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.214	83	245395	94.491 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	278299	125.569 ug/l	85
77) Bromobenzene	11.195	156	175647	96.874 ug/l	98
78) n-propylbenzene	11.305	91	836676	101.242 ug/l	99
79) 2-Chlorotoluene	11.366	91	504407	94.377 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	604993	97.570 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	78453	97.165 ug/l	94
82) 4-Chlorotoluene	11.451	91	588197	99.384 ug/l	99
83) tert-Butylbenzene	11.713	119	606738	99.013 ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	614999	100.994 ug/l	100
85) sec-Butylbenzene	11.890	105	743098	99.889 ug/l	100
86) p-Isopropyltoluene	12.006	119	624416	100.847 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	317377	100.210 ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	316688	97.271 ug/l	99
89) n-Butylbenzene	12.329	91	564303	108.385 ug/l	99
90) Hexachloroethane	12.536	117	105946	117.218 ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	323040	98.232 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	54588	108.279 ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	197899	109.766 ug/l	98
94) Hexachlorobutadiene	13.725	225	72453	99.908 ug/l	97
95) Naphthalene	13.774	128	755181	107.308 ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	206053	107.754 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044223.D
Acq On : 11 Dec 2024 12:37
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Dec 12 04:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

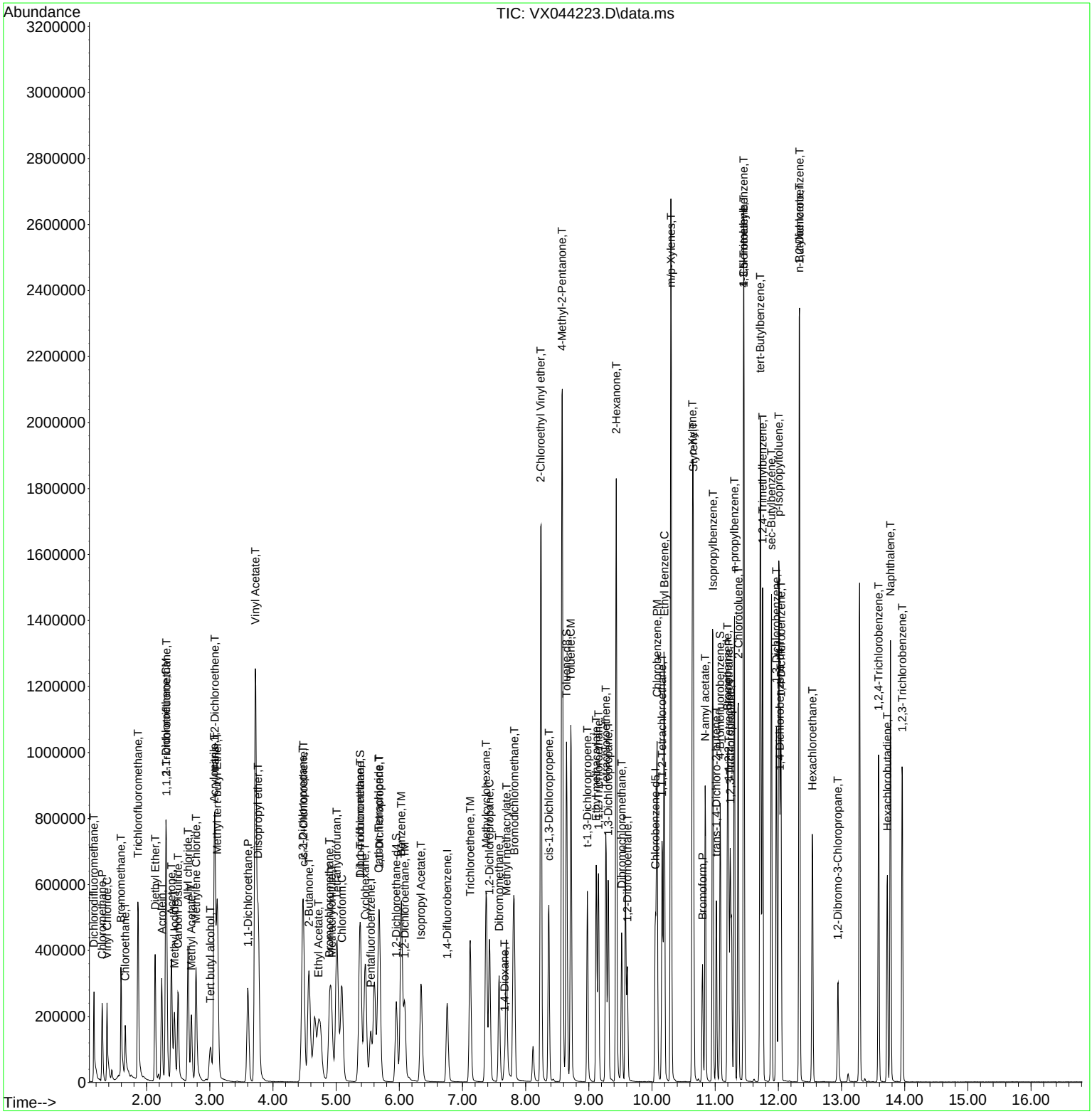
(#) = qualifier out of range (m) = manual integration (+) = signals summed

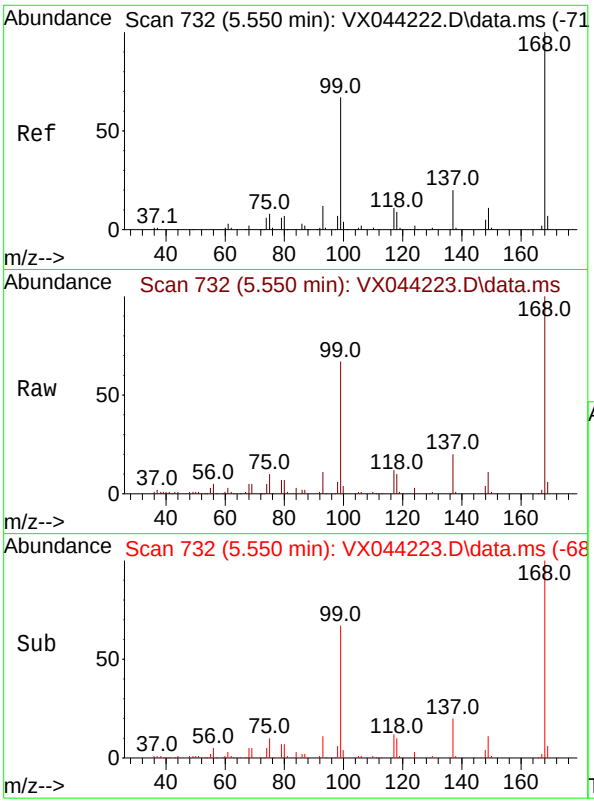
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044223.D
Acq On : 11 Dec 2024 12:37
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Dec 12 04:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration



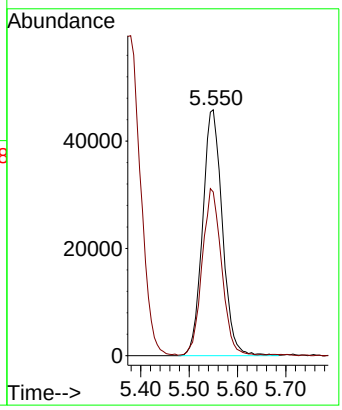


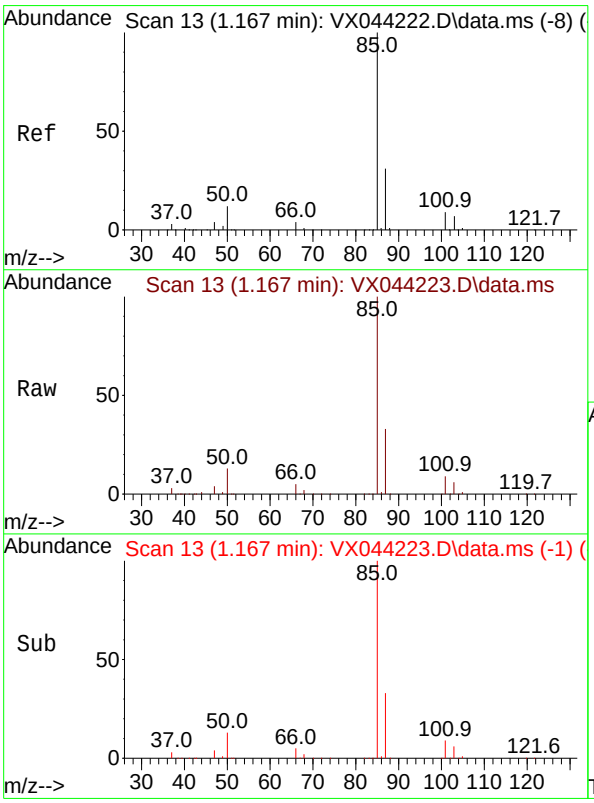
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 130101

Ion	Ratio	Lower	Upper
168	100		
99	66.4	53.4	80.0

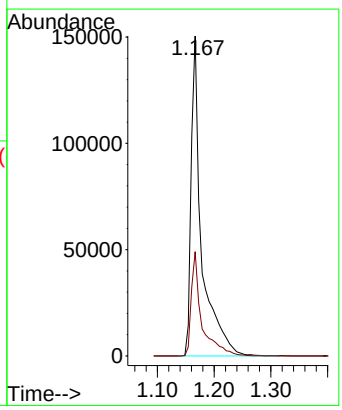


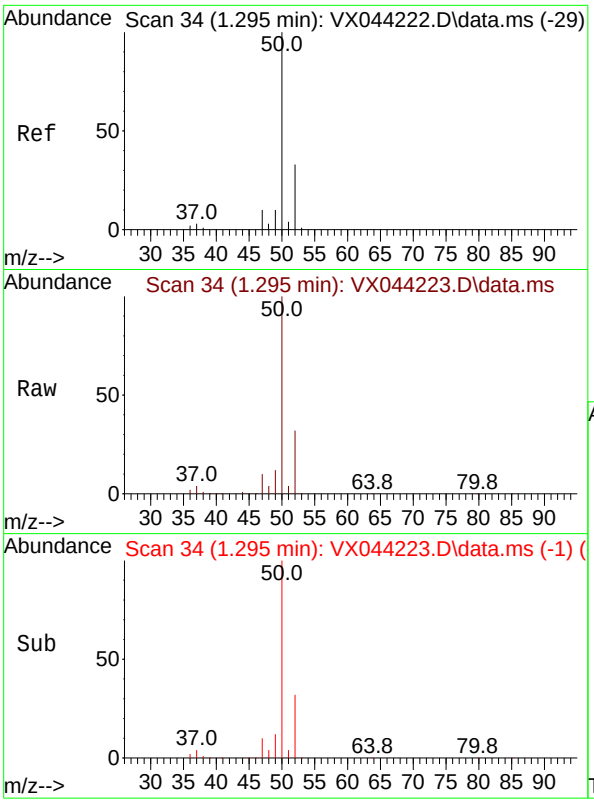


#2
Dichlorodifluoromethane
Concen: 96.329 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 85 Resp: 193785

Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.4	46.4



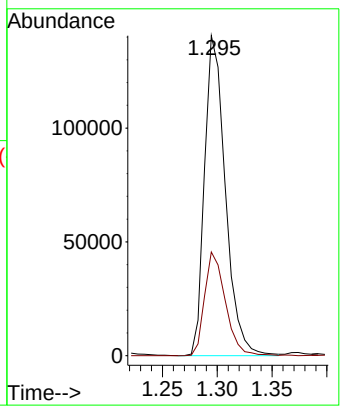


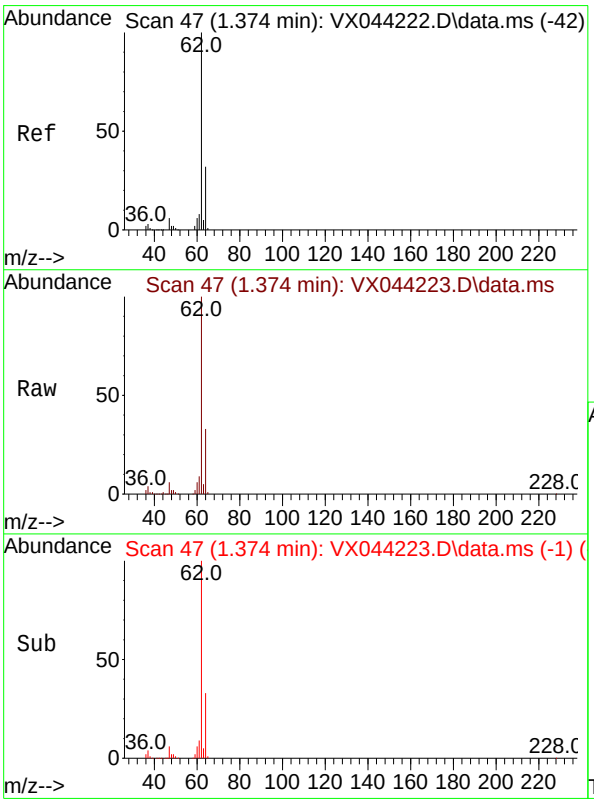
#3
Chloromethane
Concen: 96.774 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 186167

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.5	39.7

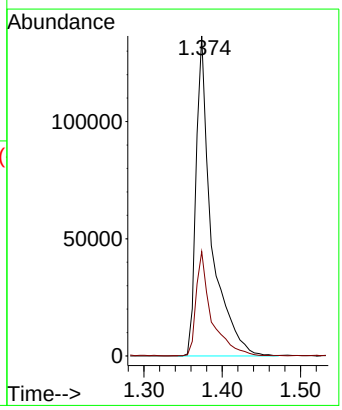


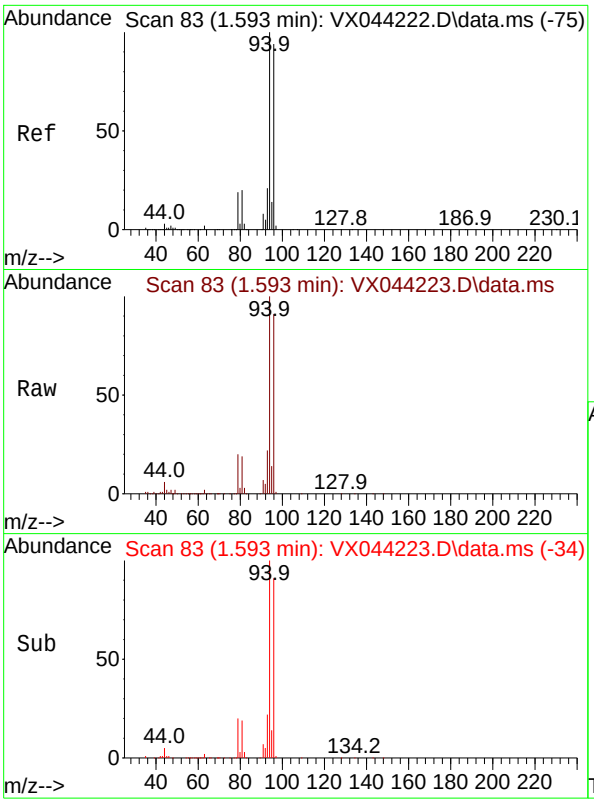


#4
Vinyl Chloride
Concen: 93.675 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 62 Resp: 187739

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.7	38.5



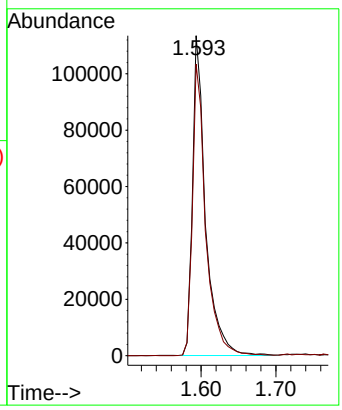


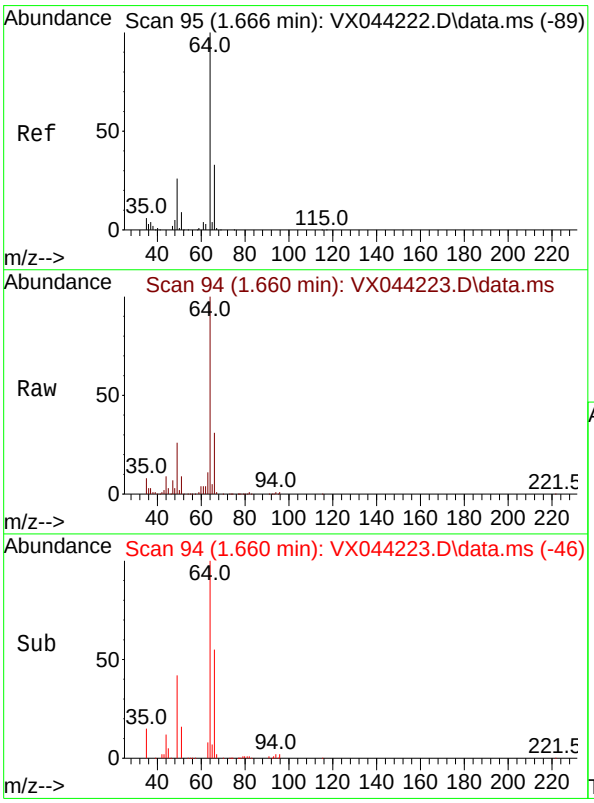
#5
Bromomethane
Concen: 96.897 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 137770

Ion	Ratio	Lower	Upper
94	100		
96	91.1	74.9	112.3

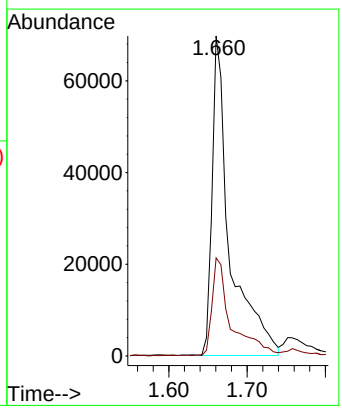


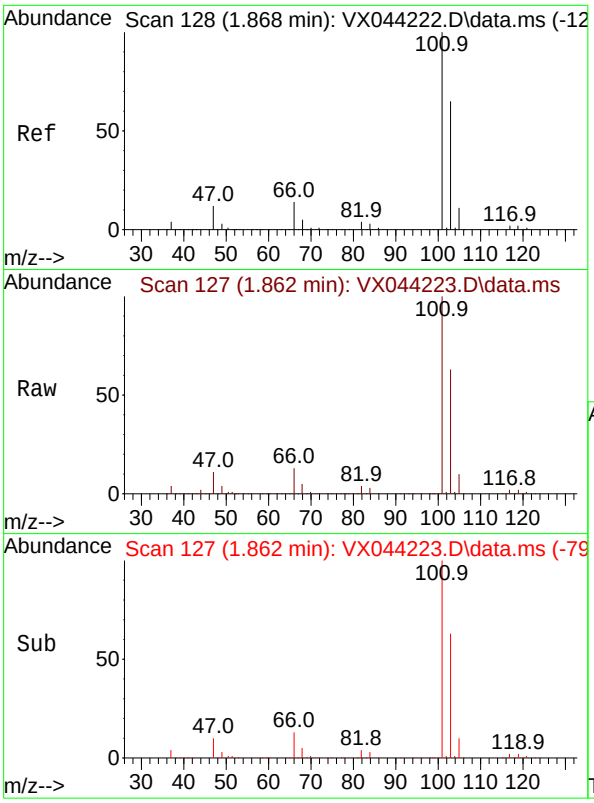


#6
Chloroethane
Concen: 88.074 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 64 Resp: 109912

Ion	Ratio	Lower	Upper
64	100		
66	30.5	26.6	39.8



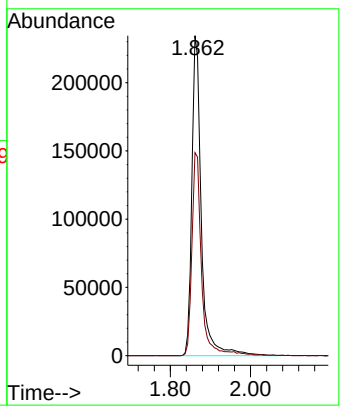


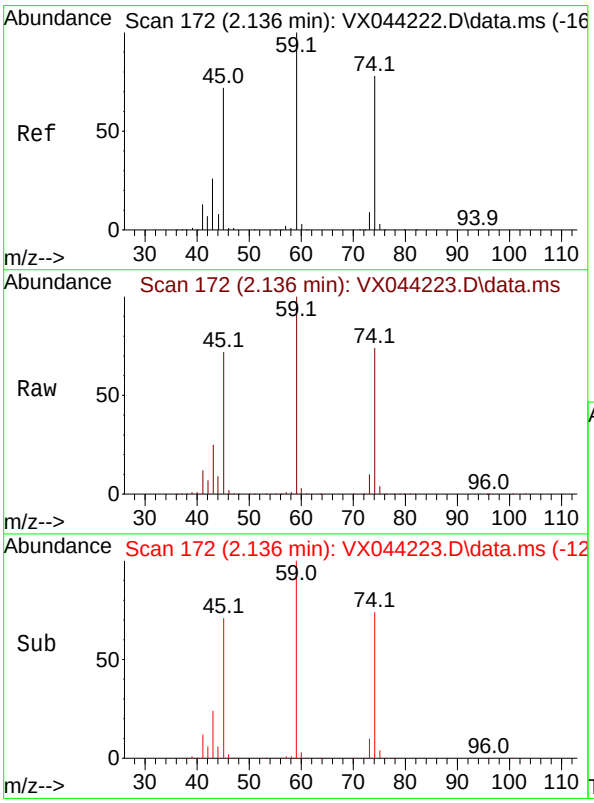
#7
Trichlorofluoromethane
Concen: 98.030 ug/l
RT: 1.862 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 384622

Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.8	77.8

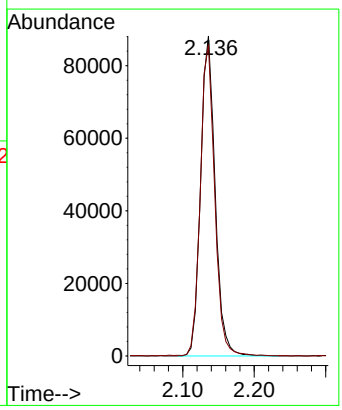


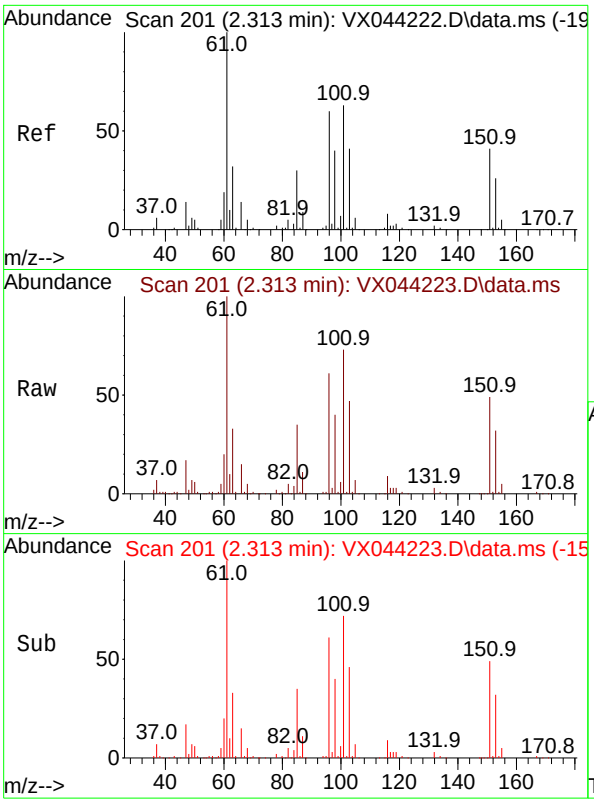


#8
Diethyl Ether
Concen: 92.618 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 74 Resp: 124039

Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.4	145.0



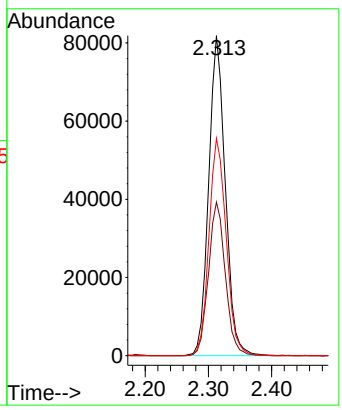


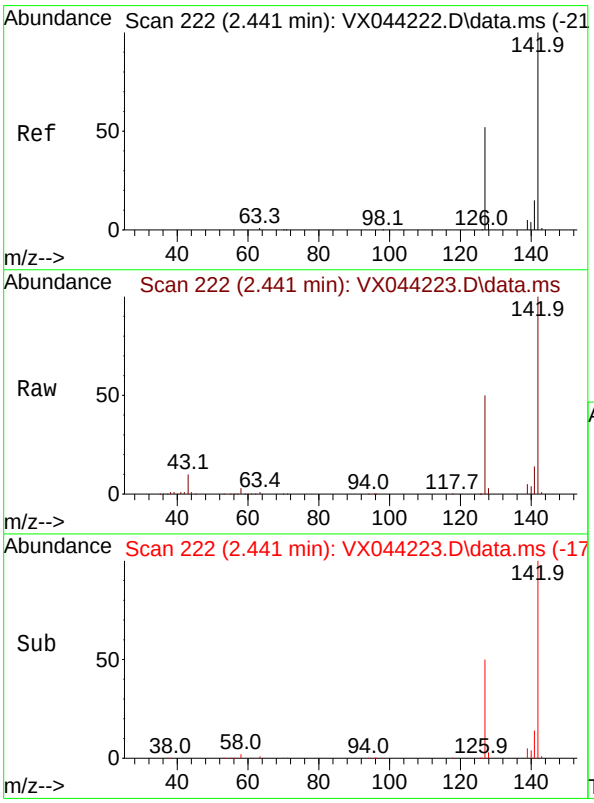
#9
1,1,2-Trichlorotrifluoroethane
Concen: 93.944 ug/l
RT: 2.313 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 149151

Ion	Ratio	Lower	Upper
101	100		
85	48.9	38.5	57.7
151	70.5	55.8	83.6

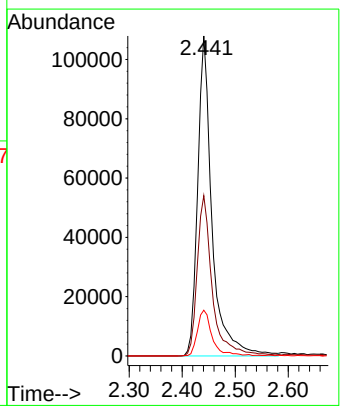


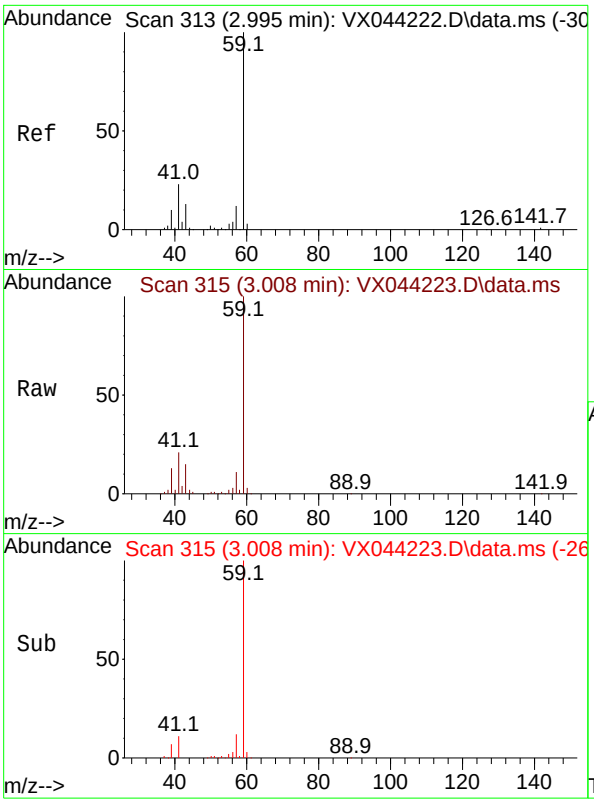


#10
Methyl Iodide
Concen: 97.275 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:142 Resp: 203545

Ion	Ratio	Lower	Upper
142	100		
127	52.4	41.8	62.8
141	14.8	11.5	17.3



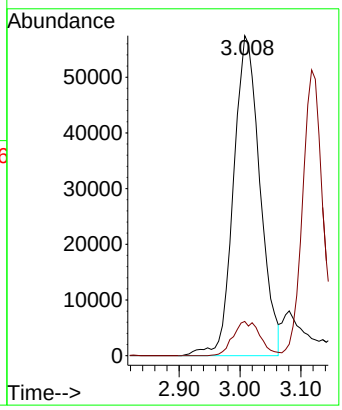


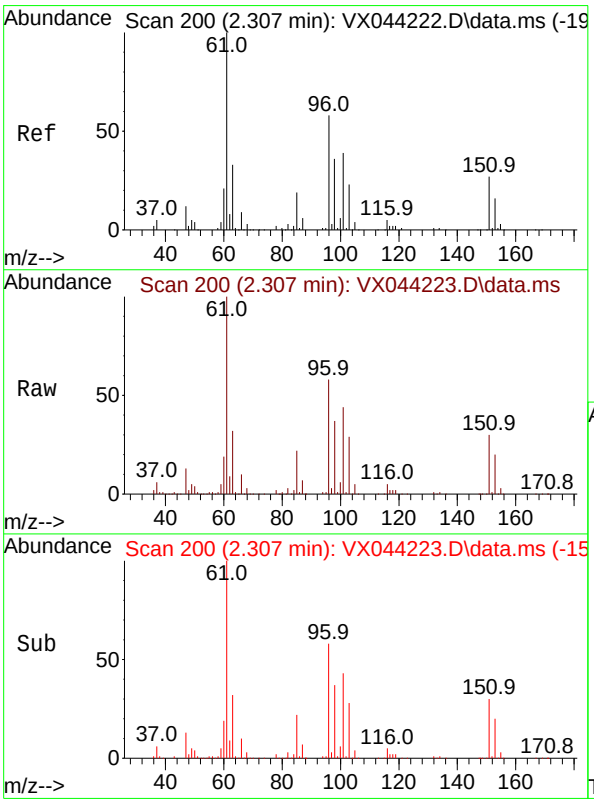
#11
Tert butyl alcohol
Concen: 539.406 ug/l
RT: 3.008 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 173139

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.8	13.2

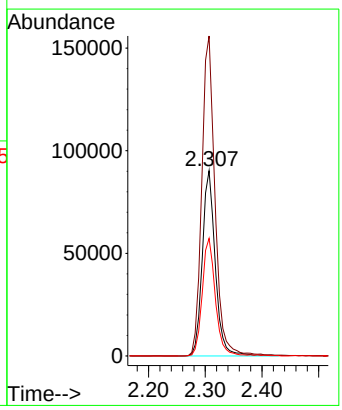


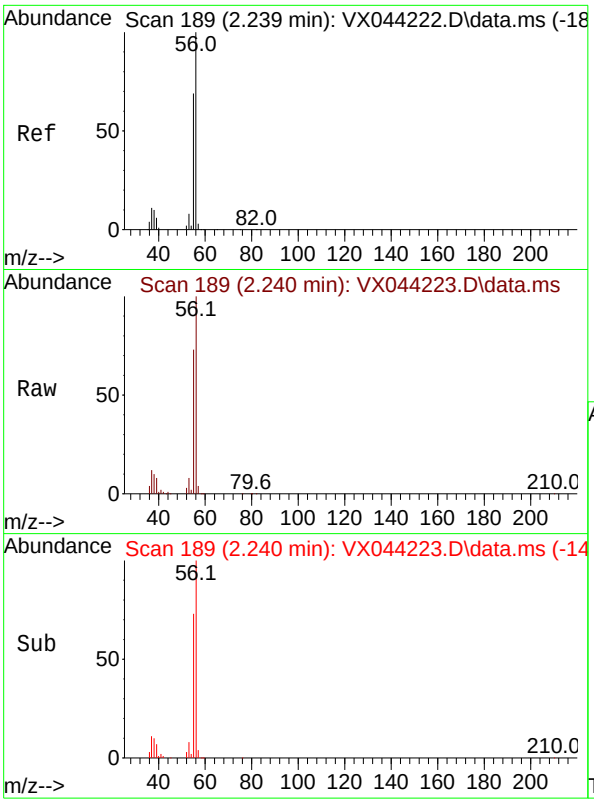


#12
1,1-Dichloroethene
Concen: 98.930 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 96 Resp: 144268

Ion	Ratio	Lower	Upper
96	100		
61	172.7	138.0	207.0
98	63.5	50.0	75.0



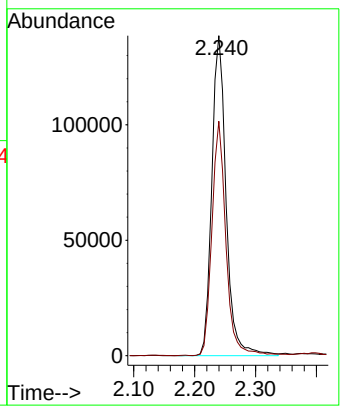


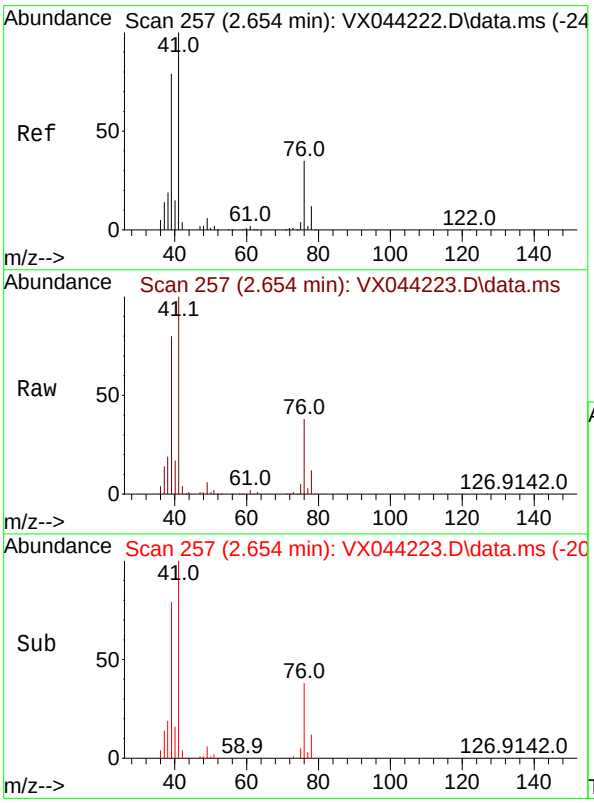
#13
Acrolein
Concen: 485.718 ug/l
RT: 2.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 226037

Ion	Ratio	Lower	Upper
56	100		
55	71.7	56.6	84.8

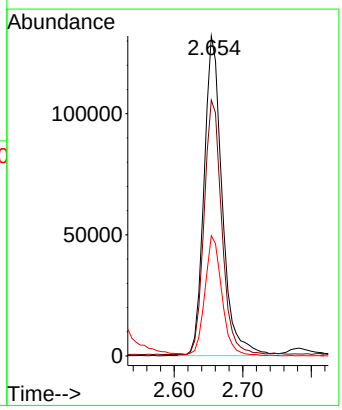


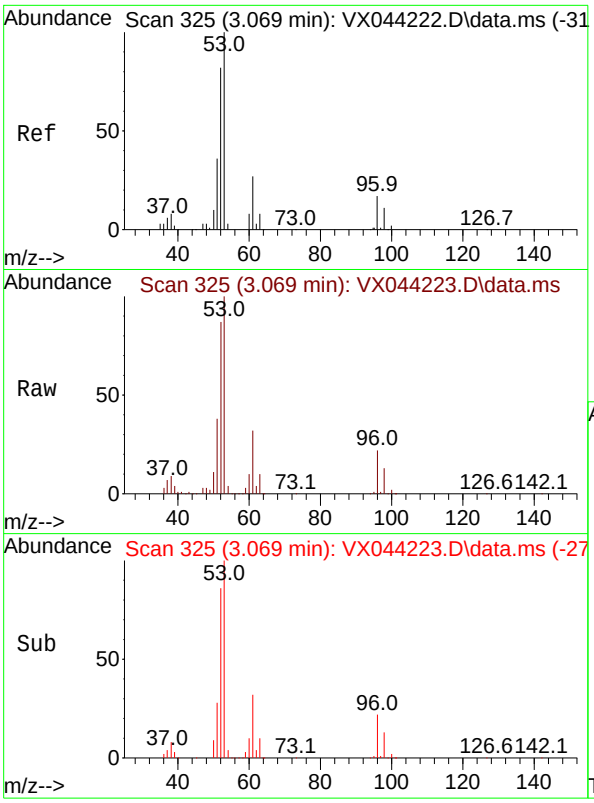


#14
Allyl chloride
Concen: 100.703 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 41 Resp: 244602

Ion	Ratio	Lower	Upper
41	100		
39	77.0	61.9	92.9
76	34.7	27.4	41.2



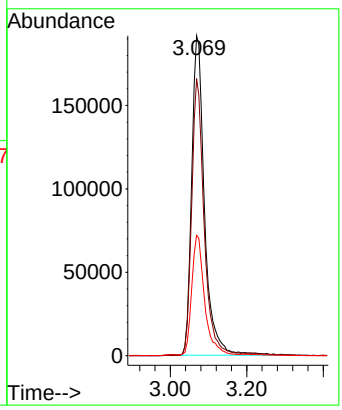


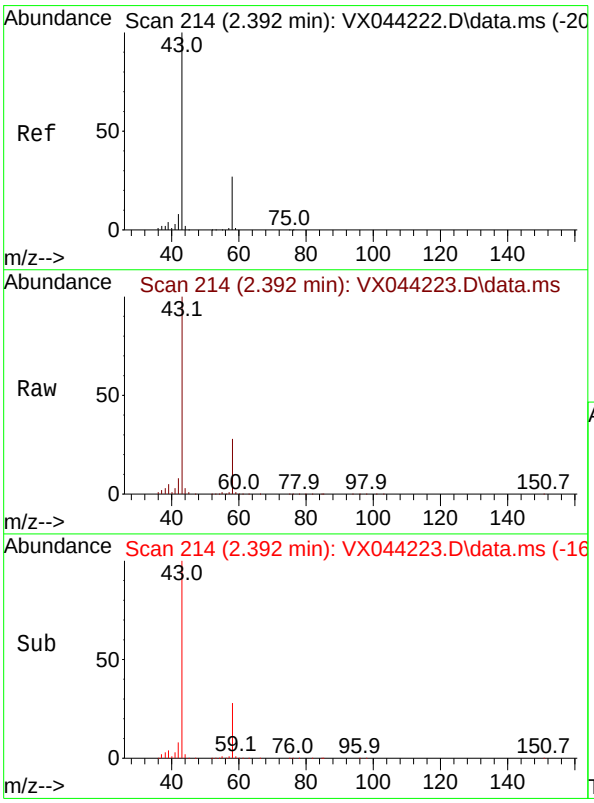
#15
Acrylonitrile
Concen: 501.661 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 446747

Ion	Ratio	Lower	Upper
53	100		
52	84.0	67.4	101.0
51	37.0	30.3	45.5

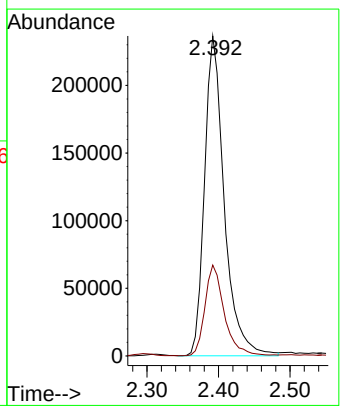


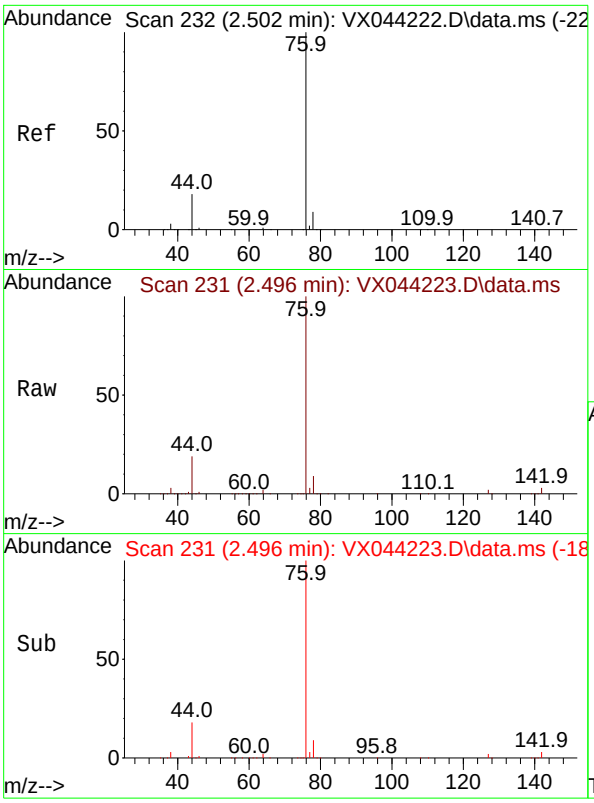


#16
Acetone
Concen: 487.065 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 452955

Ion	Ratio	Lower	Upper
43	100		
58	28.4	21.6	32.4



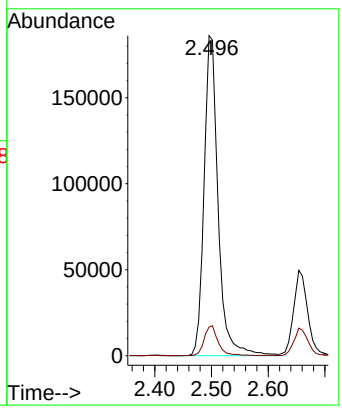


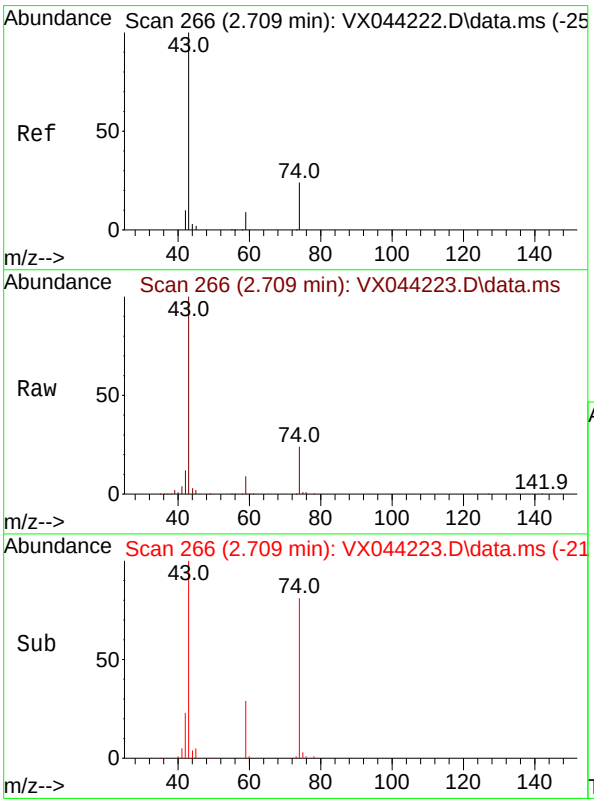
#17
Carbon Disulfide
Concen: 115.453 ug/l
RT: 2.496 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 320036

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

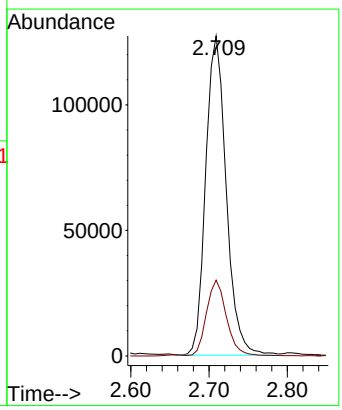


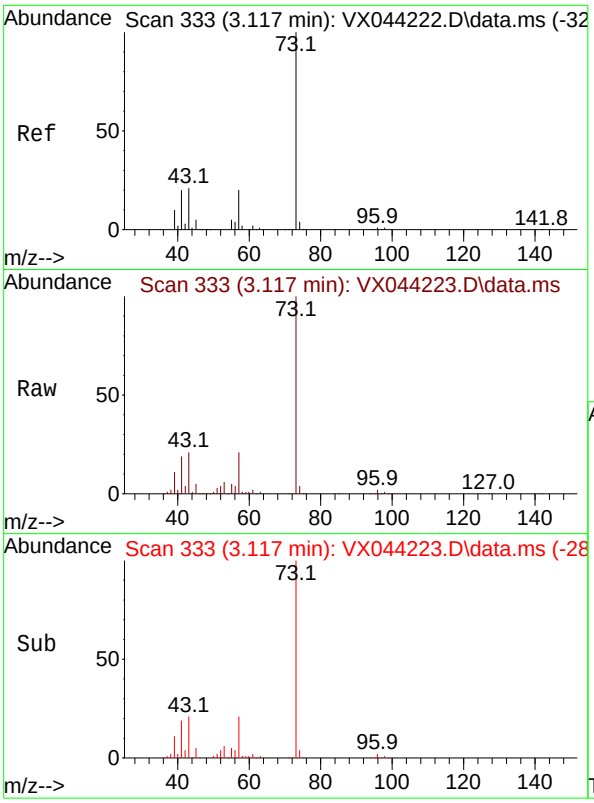


#18
Methyl Acetate
Concen: 96.338 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 230998

Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.7	26.5



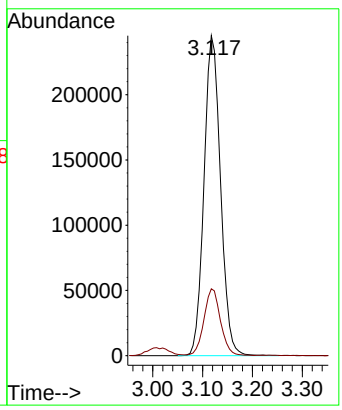


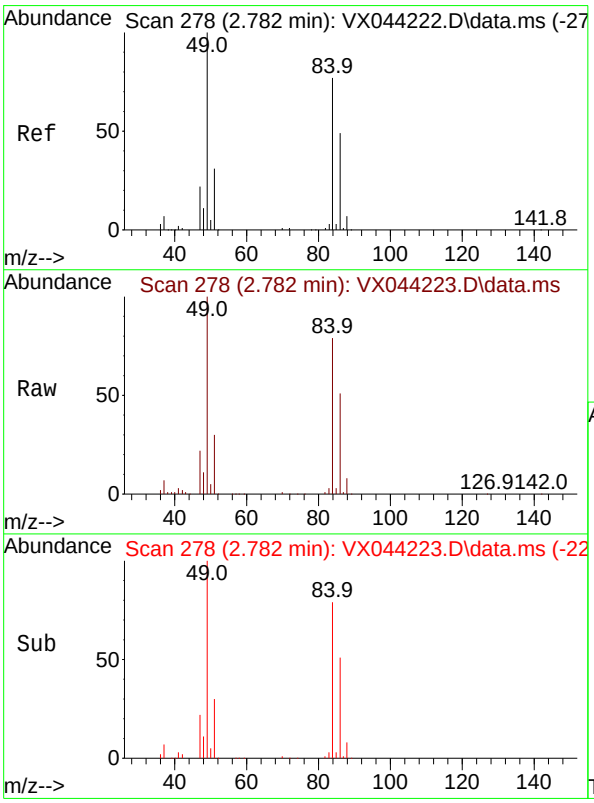
#19
Methyl tert-butyl Ether
Concen: 99.205 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 564545

Ion	Ratio	Lower	Upper
73	100		
57	20.8	16.2	24.4

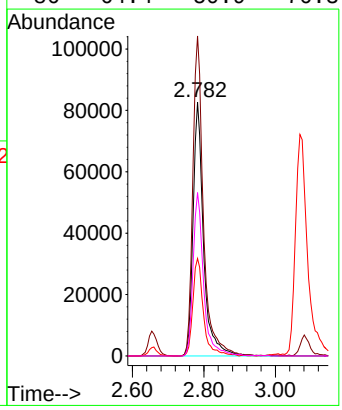


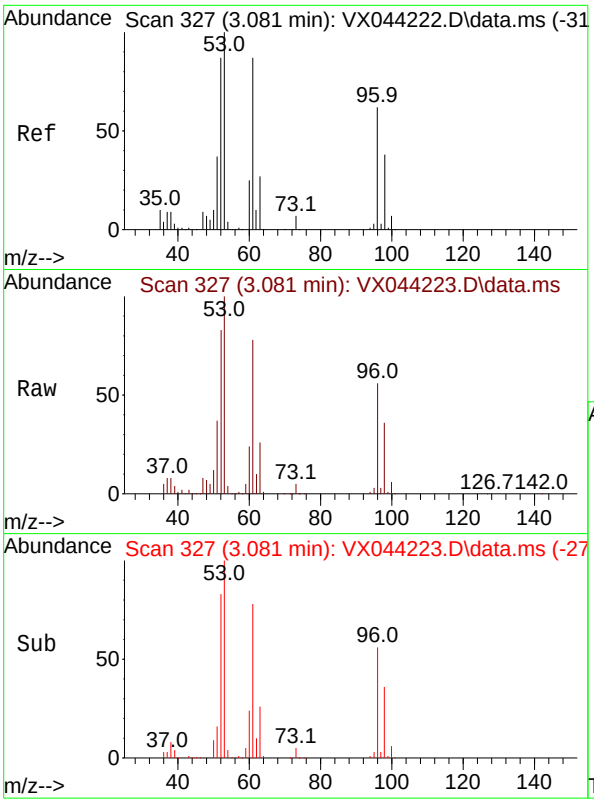


#20
Methylene Chloride
Concen: 96.466 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 84 Resp: 168498

Ion	Ratio	Lower	Upper
84	100		
49	126.1	104.2	156.4
51	38.4	32.2	48.4
86	64.4	50.9	76.3



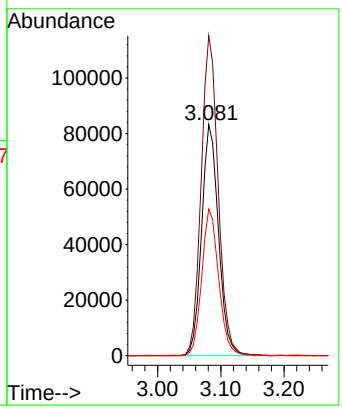


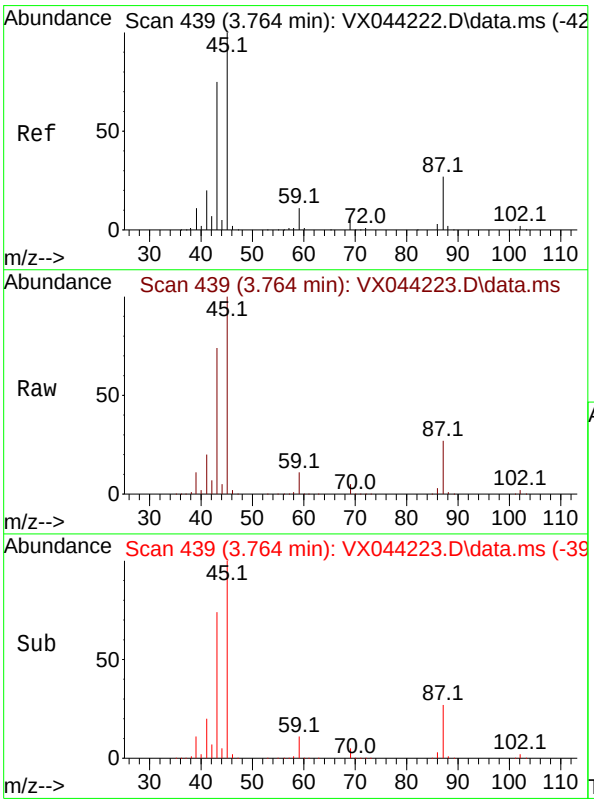
#21
trans-1,2-Dichloroethene
Concen: 99.880 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 154797

Ion	Ratio	Lower	Upper
96	100		
61	138.4	112.0	168.0
98	63.5	48.8	73.2

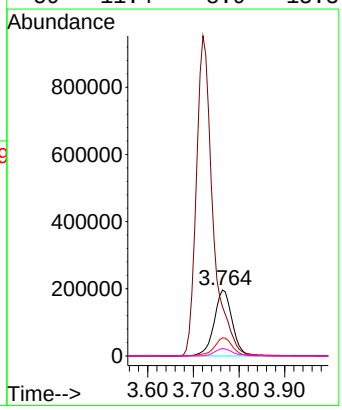


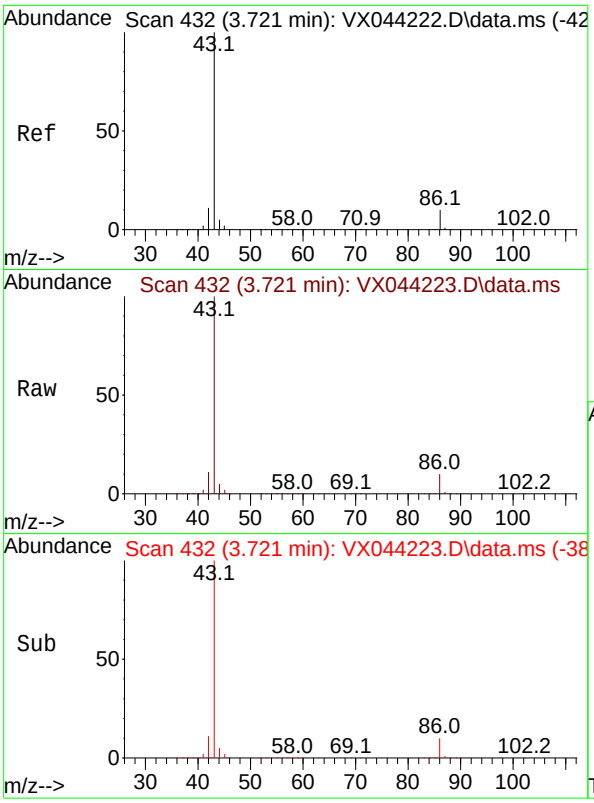


#22
Diisopropyl ether
Concen: 98.498 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 45 Resp: 538742

Ion	Ratio	Lower	Upper
45	100		
43	74.2	60.2	90.2
87	27.4	21.2	31.8
59	11.4	8.9	13.3



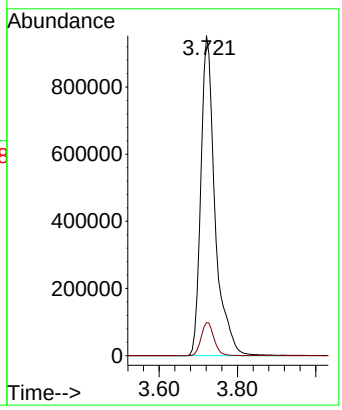


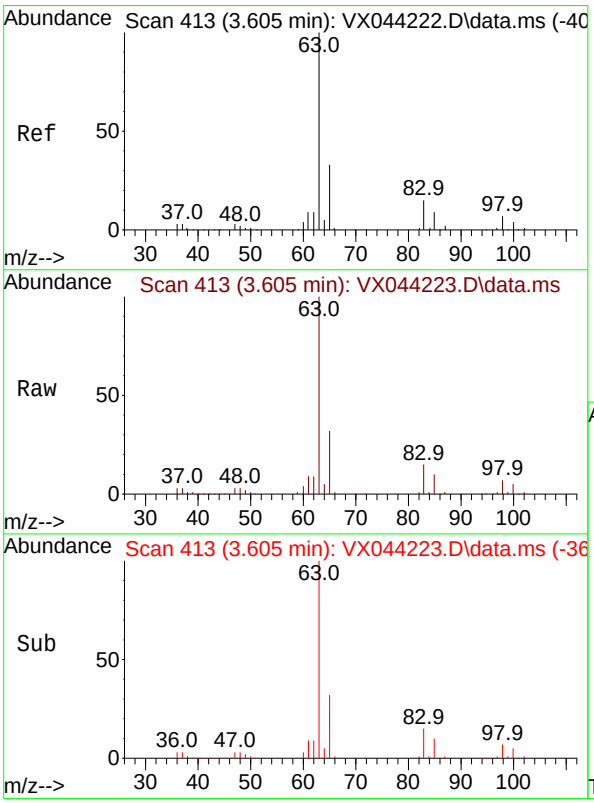
#23
Vinyl Acetate
Concen: 538.801 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2395923

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.2	12.2

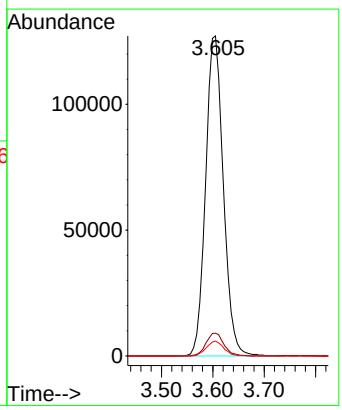


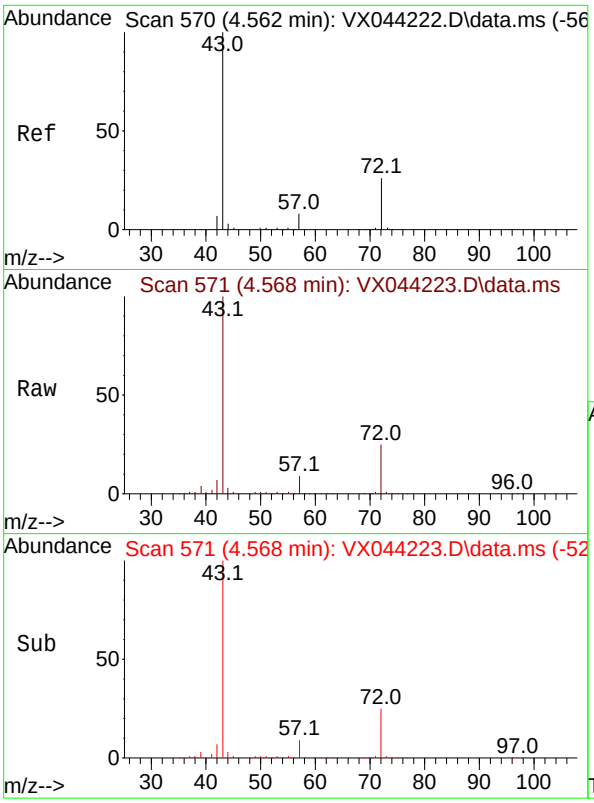


#24
1,1-Dichloroethane
Concen: 99.915 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 63 Resp: 304626

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.6	10.8
100	4.6	2.1	6.3



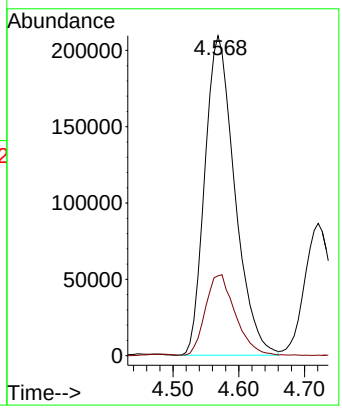


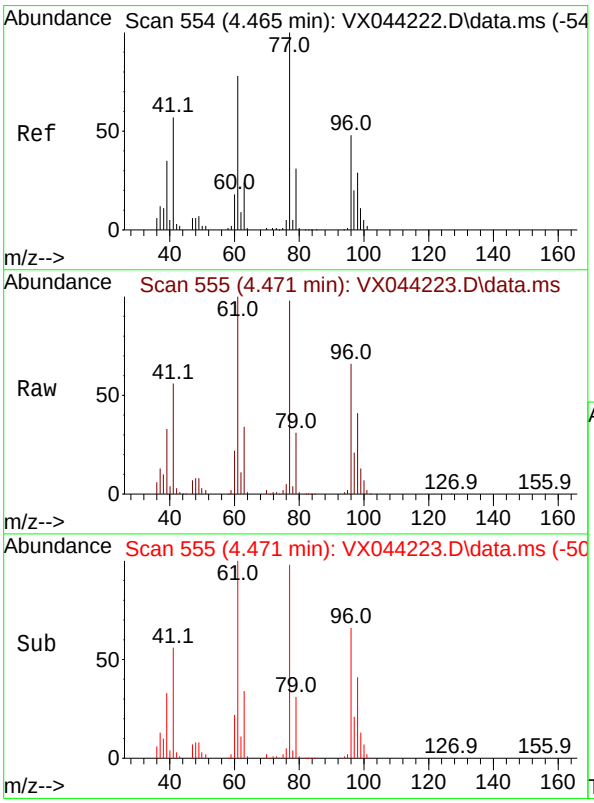
#25
2-Butanone
Concen: 501.306 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 662768

Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.2	30.4

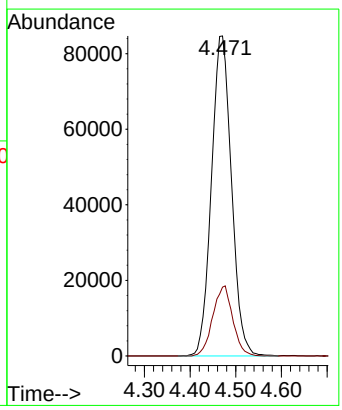


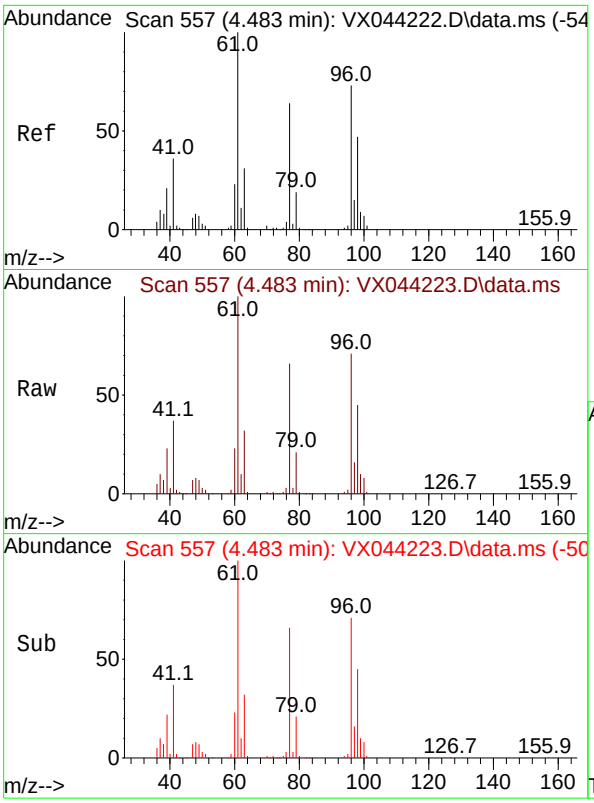


#26
2,2-Dichloropropane
Concen: 104.201 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 77 Resp: 258092

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.7	32.1



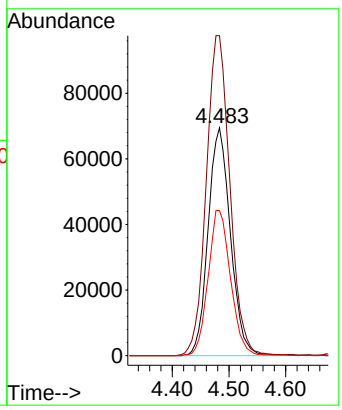


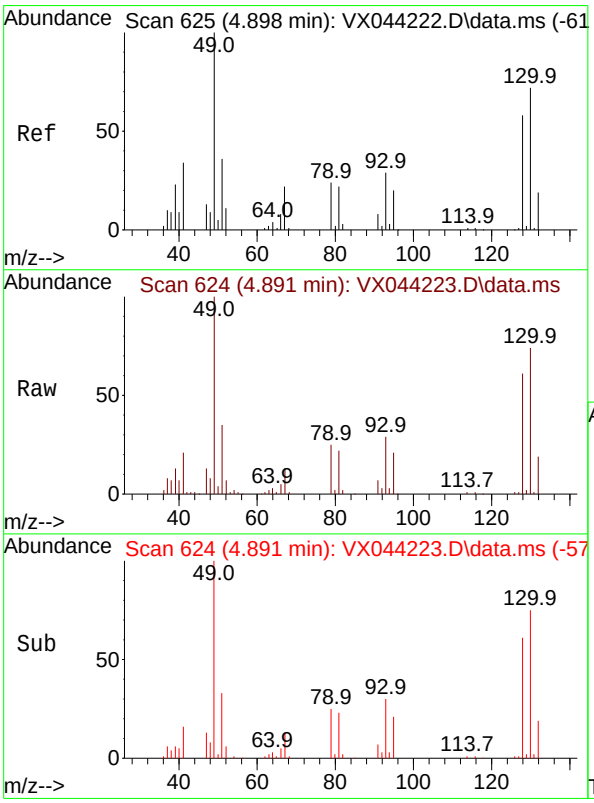
#27
cis-1,2-Dichloroethene
Concen: 96.593 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 190127

Ion	Ratio	Lower	Upper
96	100		
61	148.5	0.0	299.0
98	64.2	0.0	129.0

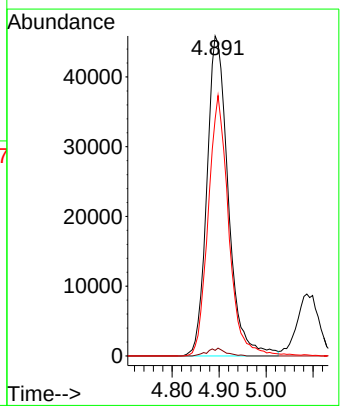


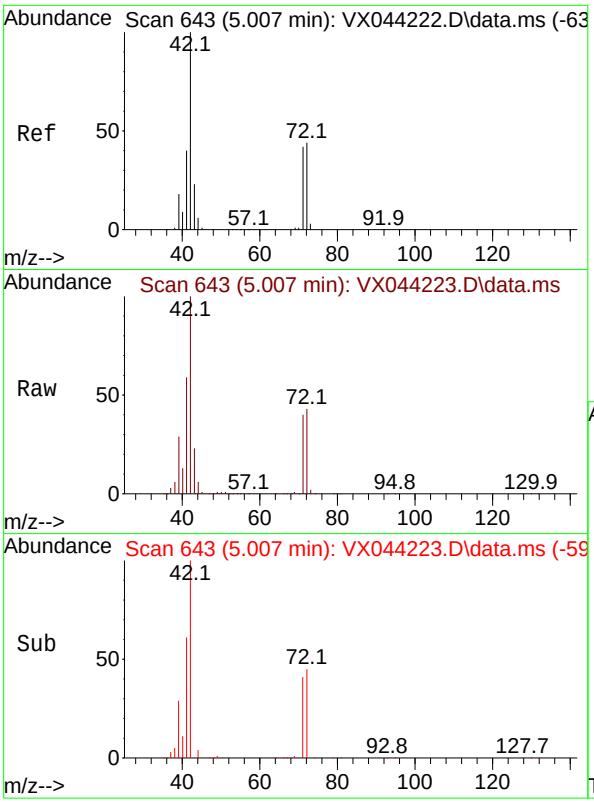


#28
Bromochloromethane
Concen: 96.842 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 49 Resp: 144783

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	78.2	62.1	93.1



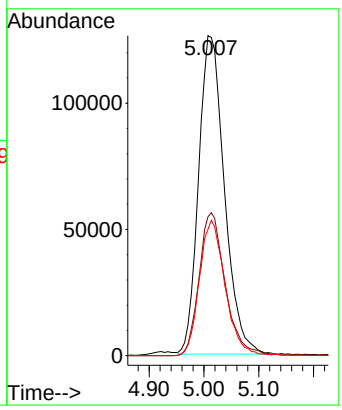


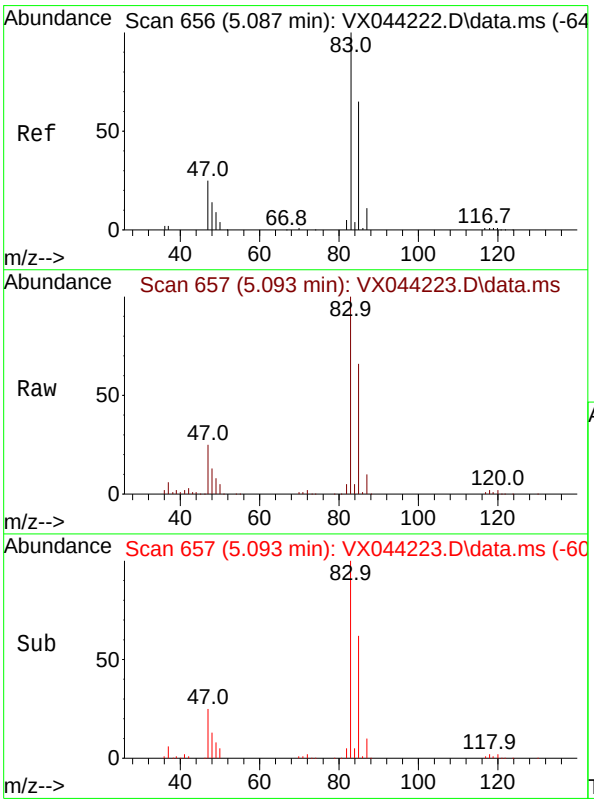
#29
Tetrahydrofuran
Concen: 486.290 ug/l
RT: 5.007 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 412666

Ion	Ratio	Lower	Upper
42	100		
72	45.6	37.0	55.6
71	42.1	33.6	50.4

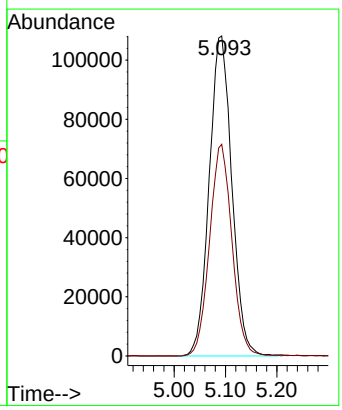


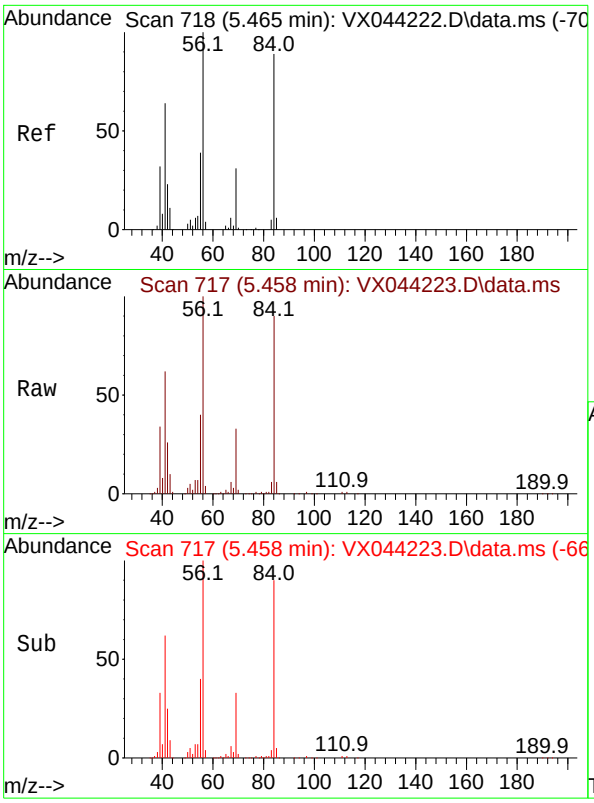


#30
Chloroform
Concen: 96.642 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 83 Resp: 331047

Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.6	77.4



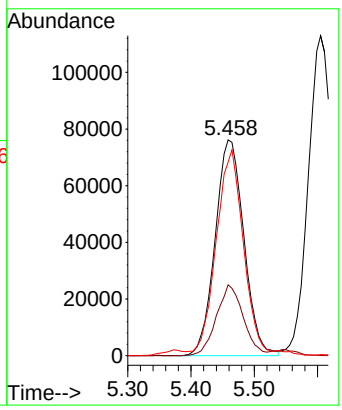


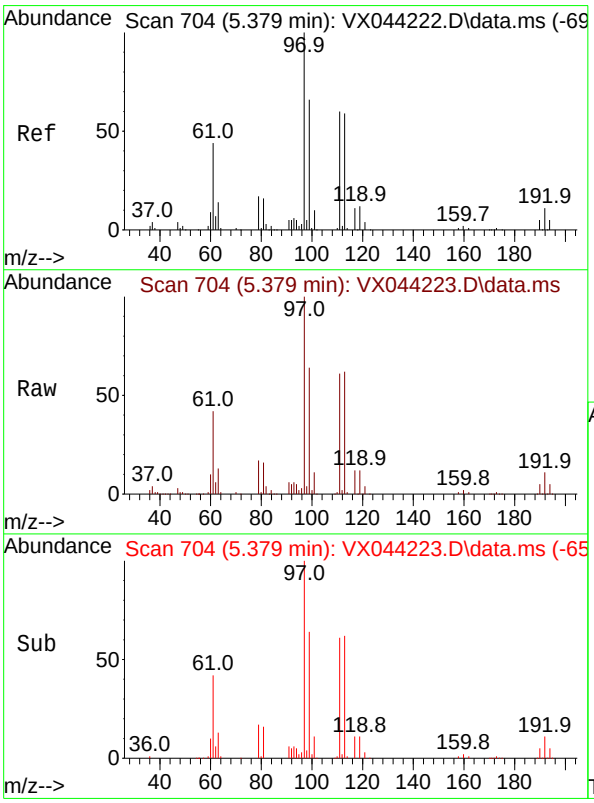
#31
Cyclohexane
Concen: 97.433 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 239879

Ion	Ratio	Lower	Upper
56	100		
69	32.8	24.7	37.1
84	87.3	71.0	106.6

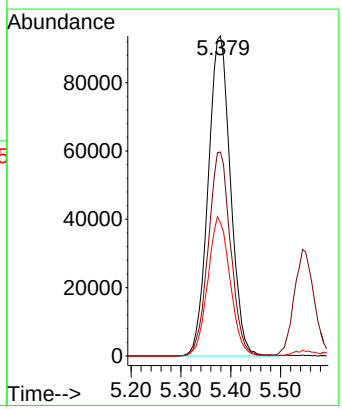


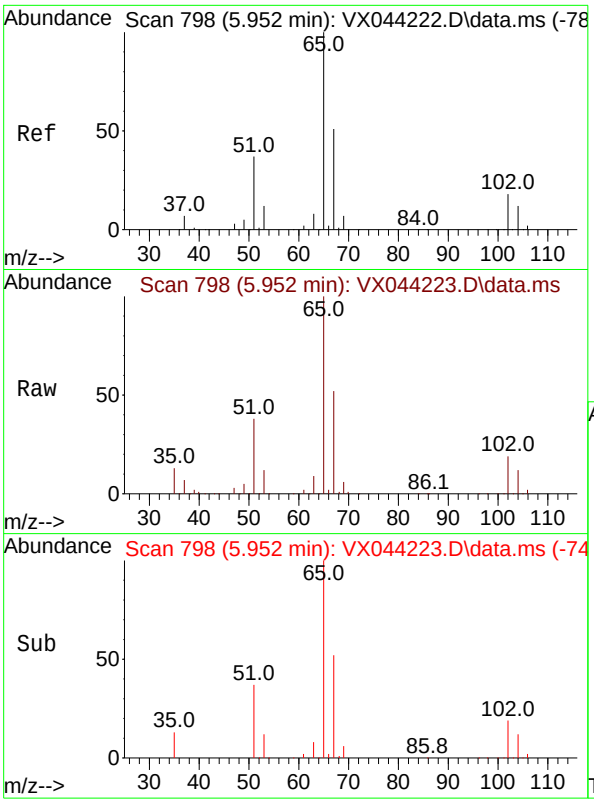


#32
1,1,1-Trichloroethane
Concen: 102.363 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 97 Resp: 291065

Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.8	76.2
61	43.3	35.2	52.8



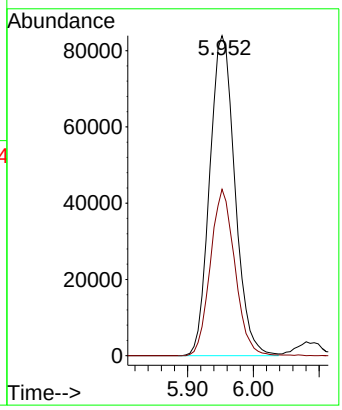


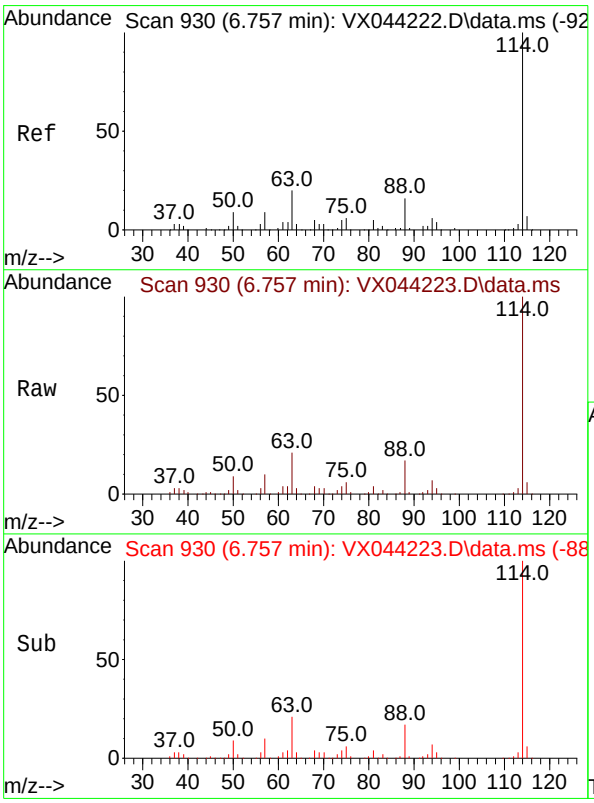
#33
1,2-Dichloroethane-d4
Concen: 98.326 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 224292

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	101.6

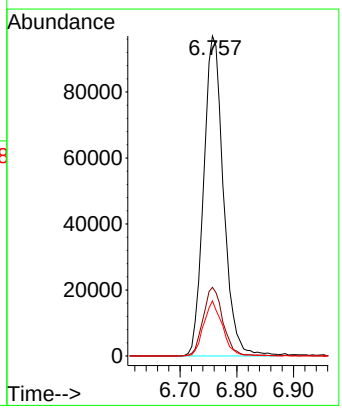


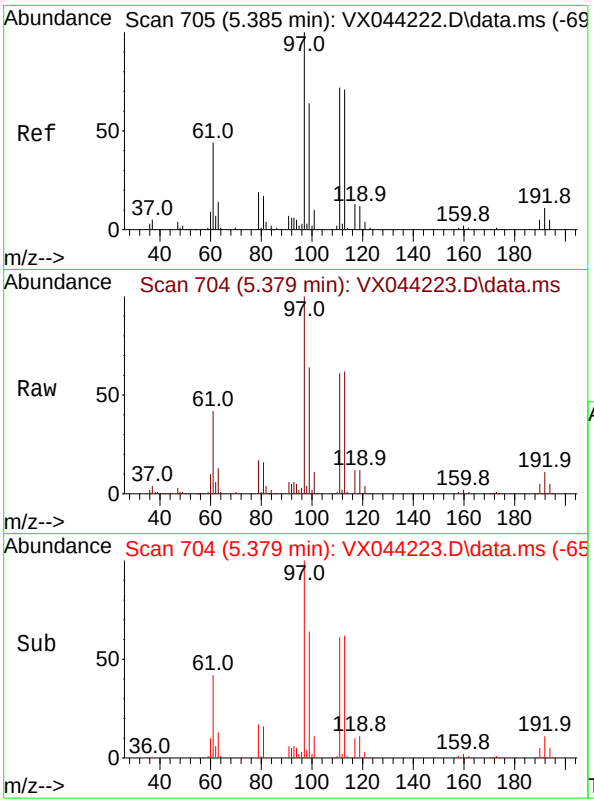


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:114 Resp: 235738

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	40.6
88	17.2	0.0	31.8



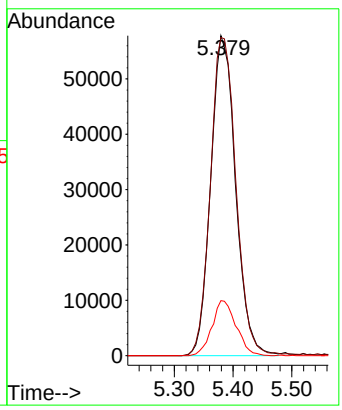


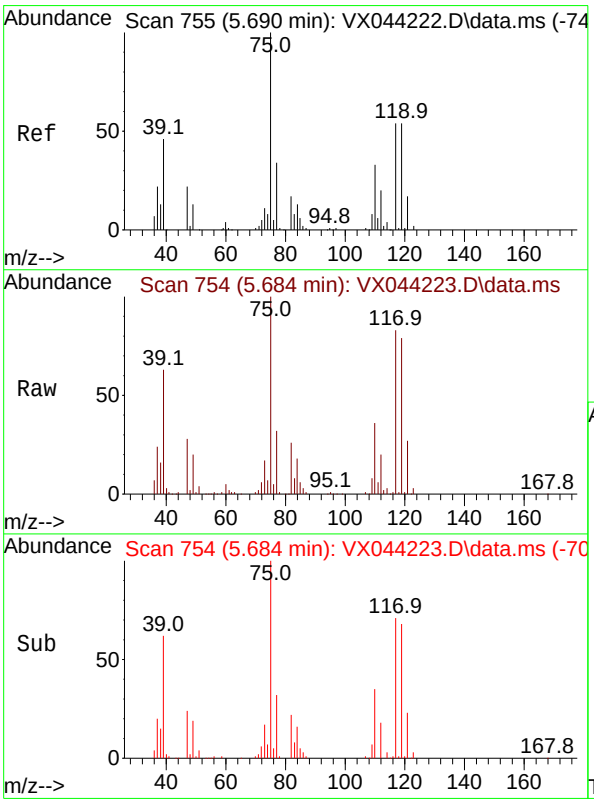
#35
Dibromofluoromethane
Concen: 103.866 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 169582

Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.4	120.6
192	16.7	13.3	19.9

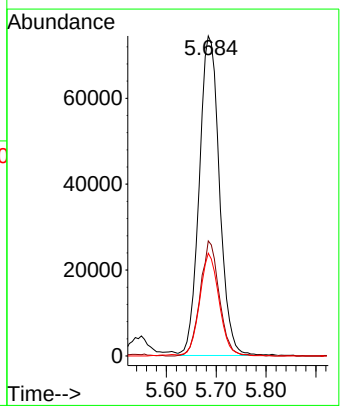


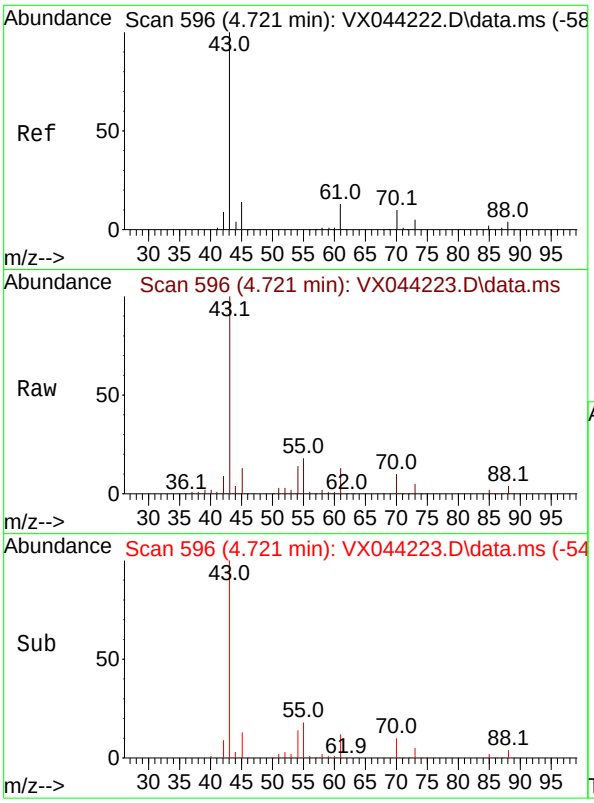


#36
1,1-Dichloropropene
Concen: 99.376 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 75 Resp: 209732

Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.3	51.7
77	30.6	25.4	38.0



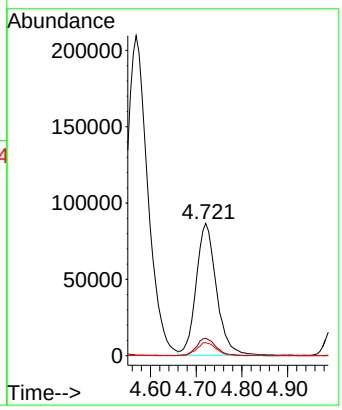


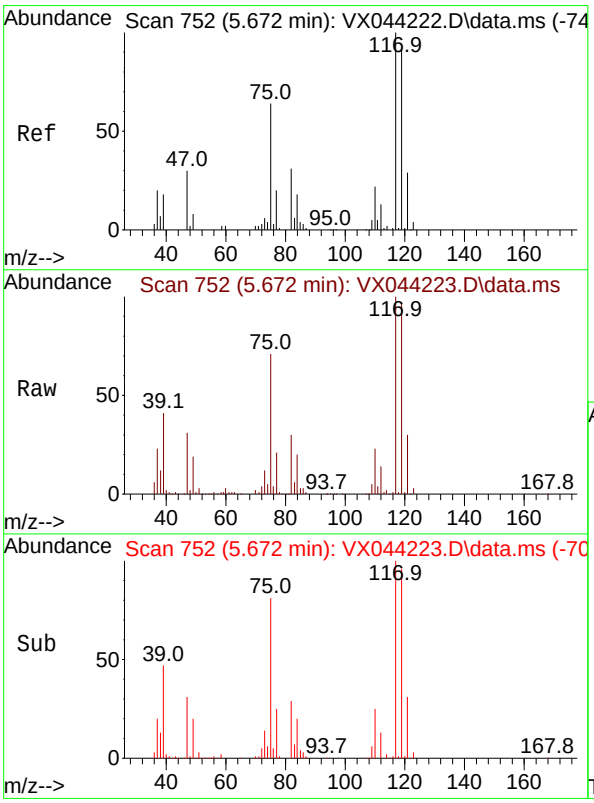
#37
Ethyl Acetate
Concen: 102.079 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 266307

Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.8	14.8
70	9.5	7.7	11.5

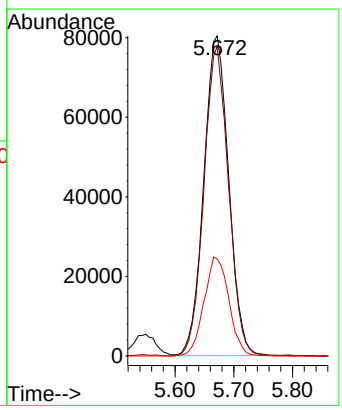


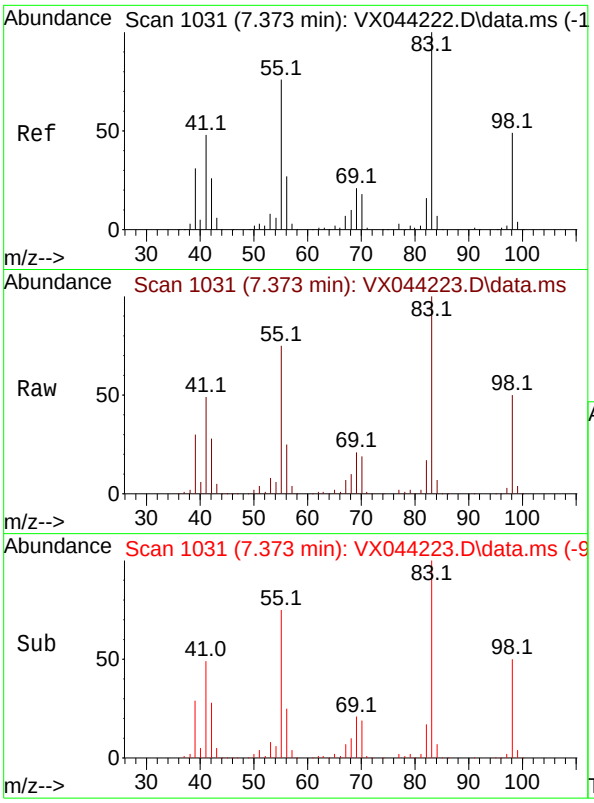


#38
Carbon Tetrachloride
Concen: 104.249 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:117 Resp: 236869

Ion	Ratio	Lower	Upper
117	100		
119	96.7	74.2	111.4
121	30.4	23.0	34.6



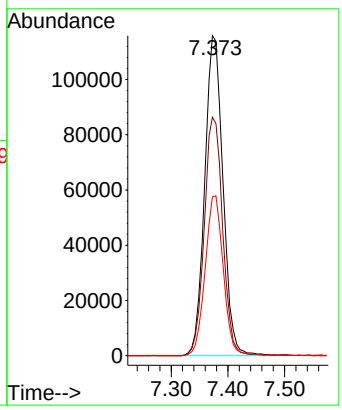


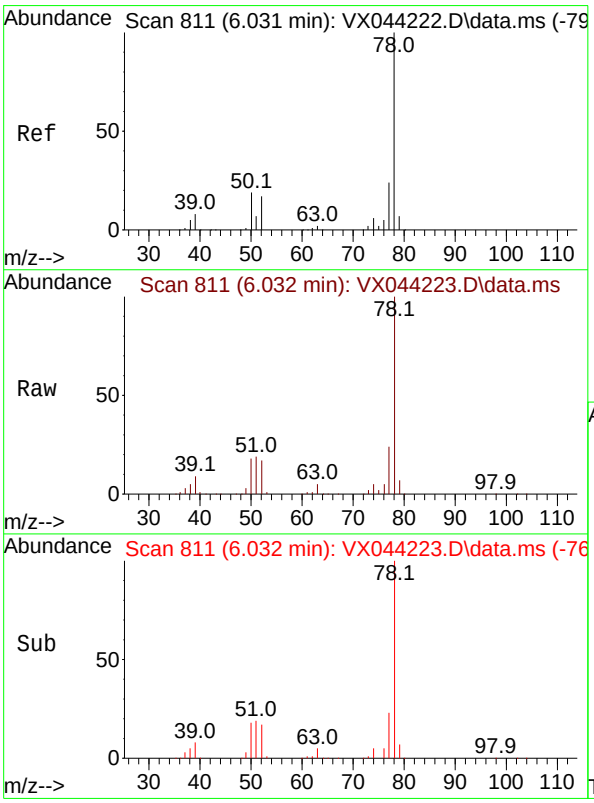
#39
Methylcyclohexane
Concen: 102.800 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 259368

Ion	Ratio	Lower	Upper
83	100		
55	74.5	60.7	91.1
98	49.6	38.9	58.3

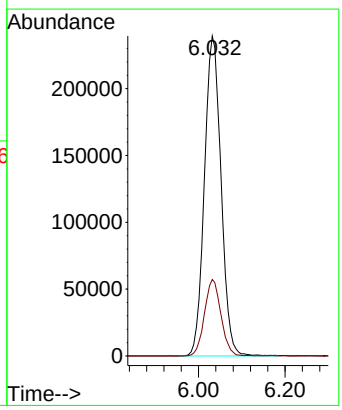


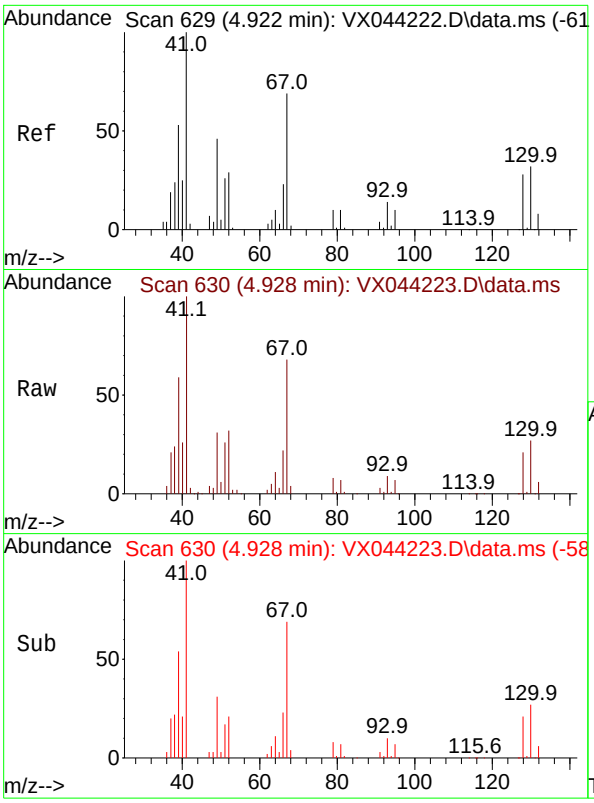


#40
Benzene
Concen: 99.575 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 78 Resp: 638055

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9



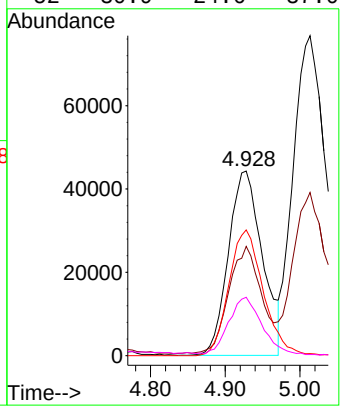


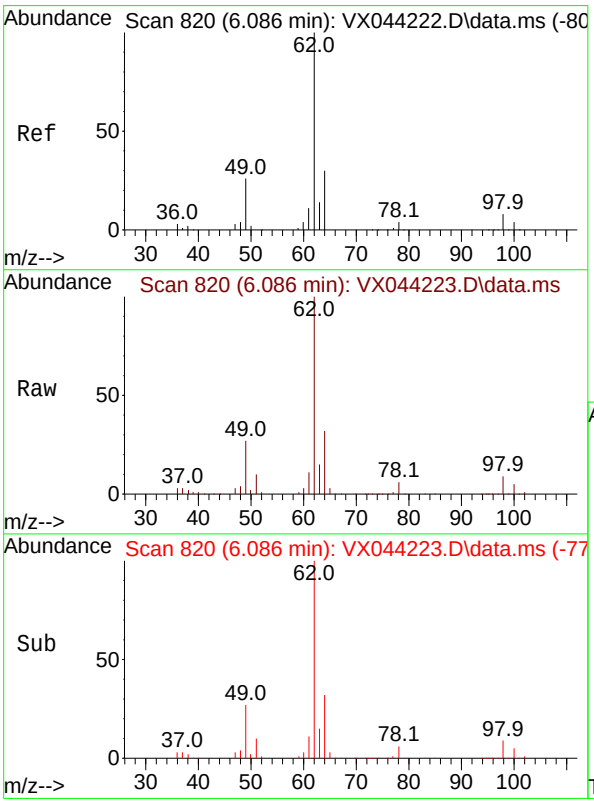
#41
Methacrylonitrile
Concen: 101.332 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 140375

Ion	Ratio	Lower	Upper
41	100		
39	55.0	44.2	66.4
67	69.1	57.2	85.8
52	30.9	24.6	37.0

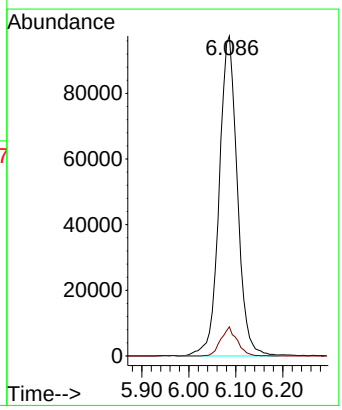


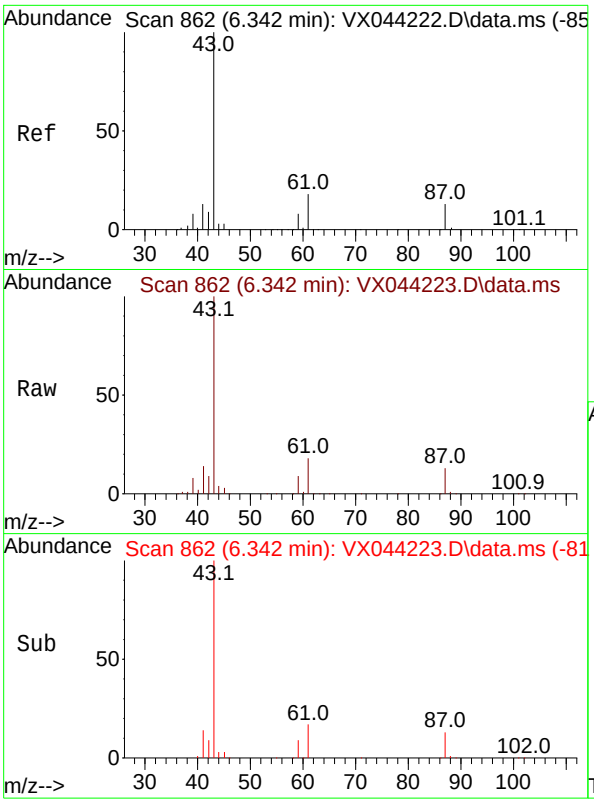


#42
1,2-Dichloroethane
Concen: 99.255 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 62 Resp: 261991

Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	15.8



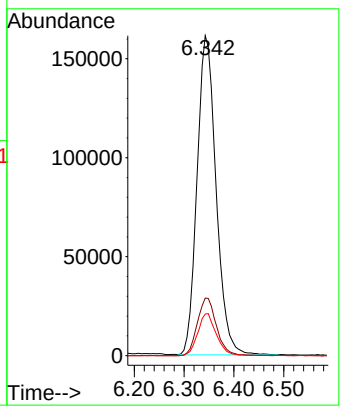


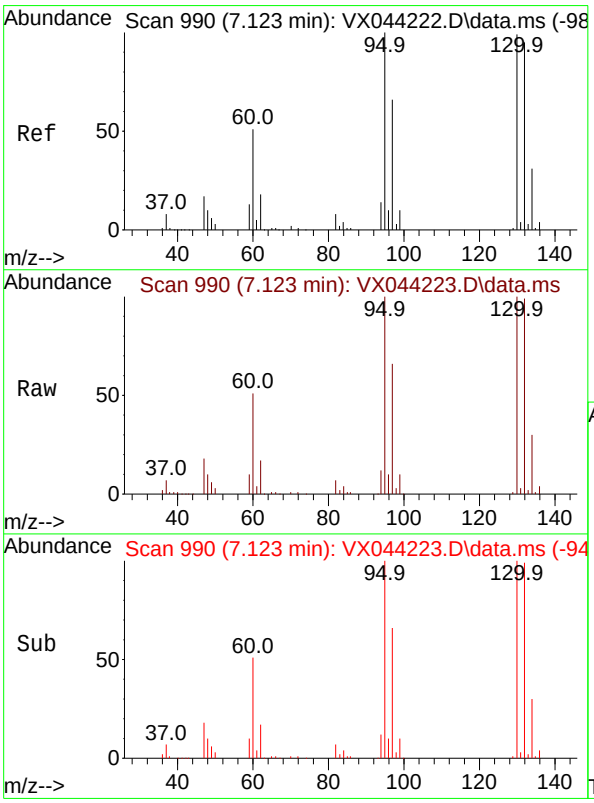
#43
Isopropyl Acetate
Concen: 104.939 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 427893

Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.2	21.2
87	12.8	10.2	15.2

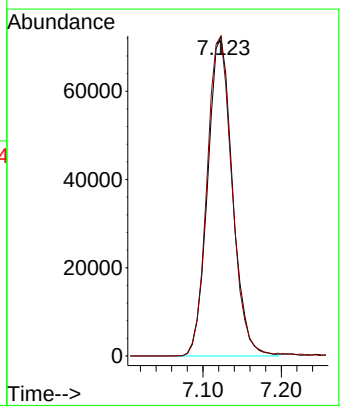


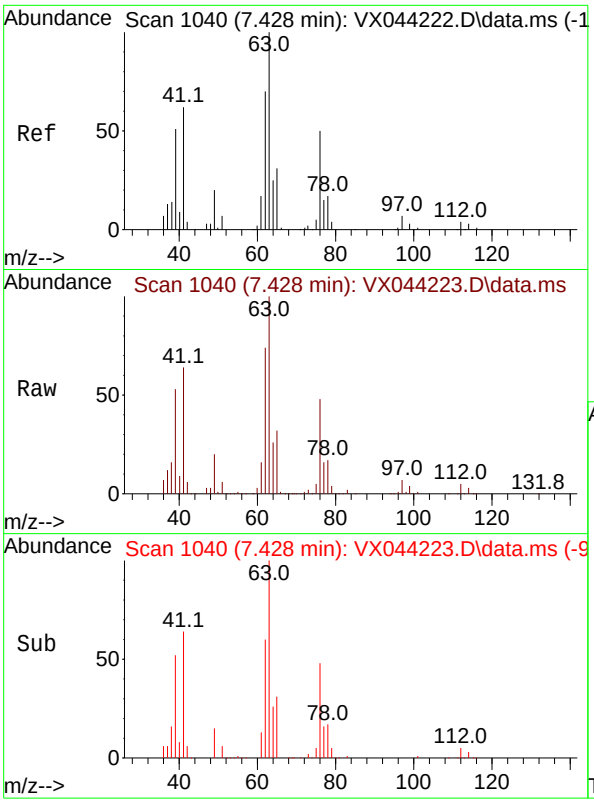


#44
Trichloroethene
Concen: 99.497 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:130 Resp: 158990

Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	201.4



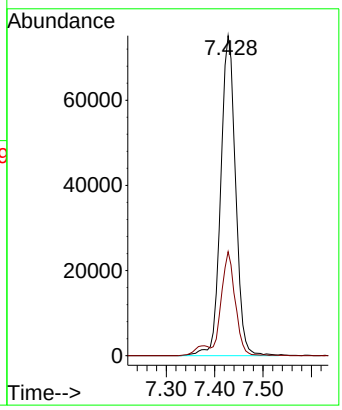


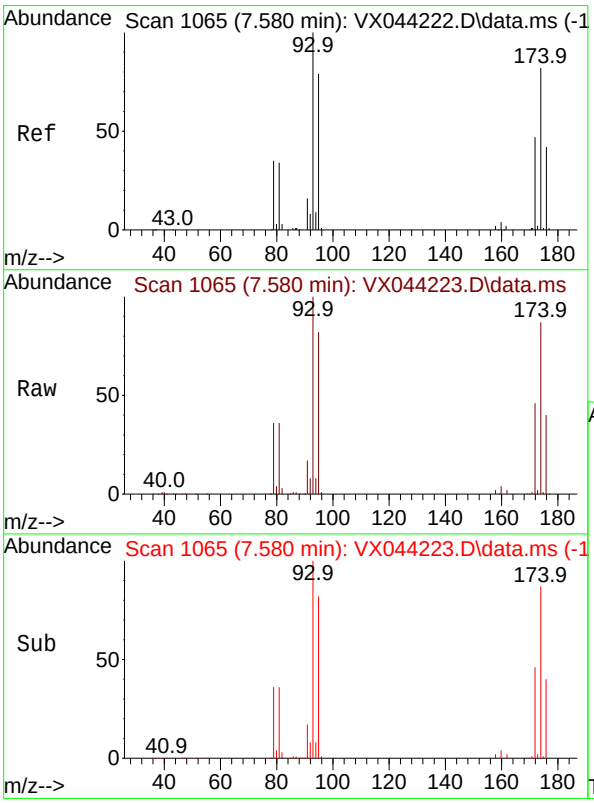
#45
1,2-Dichloropropane
Concen: 98.293 ug/l
RT: 7.428 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 160913

Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.6	37.0

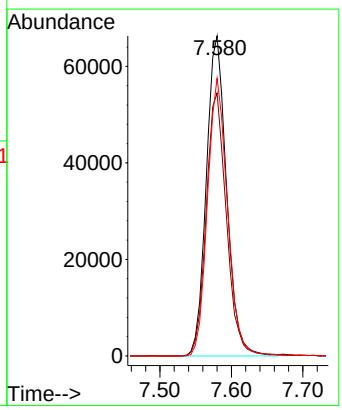


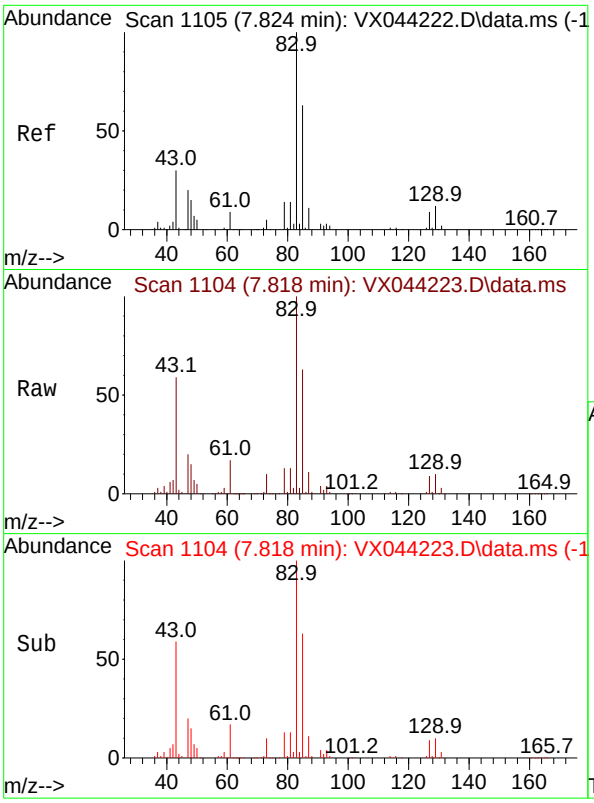


#46
Dibromomethane
Concen: 102.607 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 93 Resp: 130316

Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.4	98.2
174	86.1	67.9	101.9



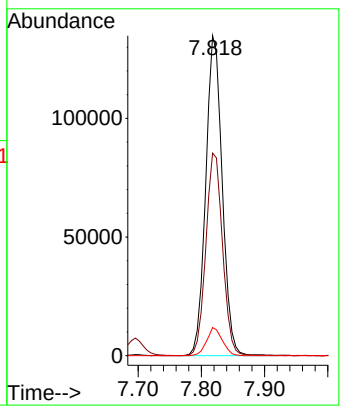


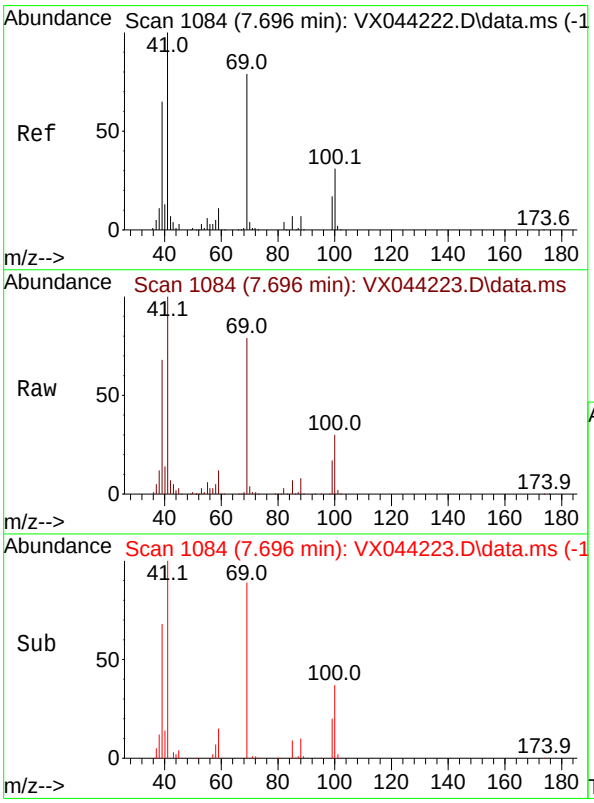
#47
Bromodichloromethane
Concen: 111.423 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 244401

Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	75.8
127	8.8	7.3	10.9

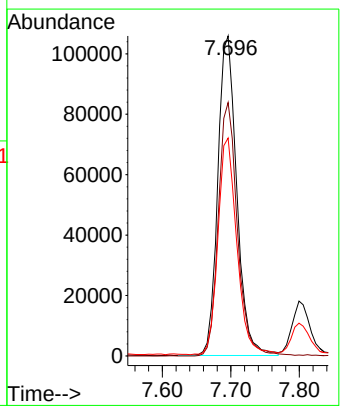


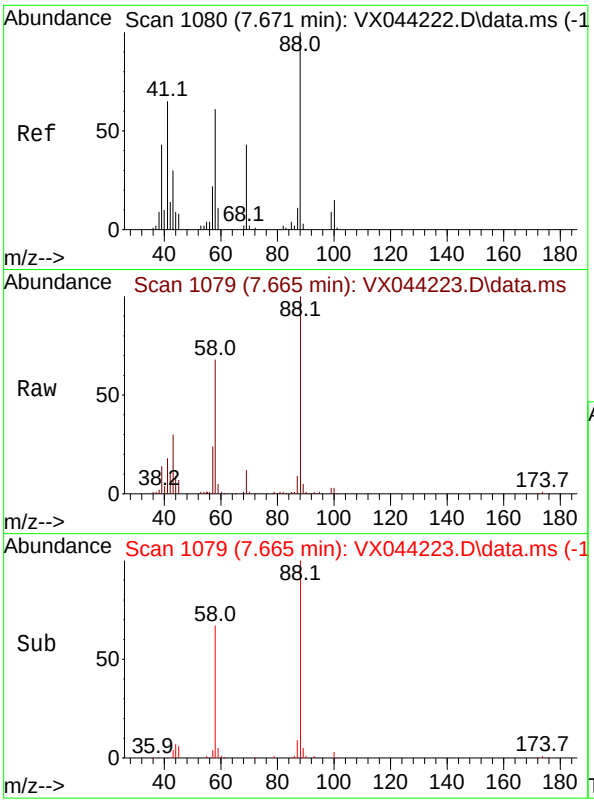


#48
Methyl methacrylate
Concen: 102.618 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 41 Resp: 203116

Ion	Ratio	Lower	Upper
41	100		
69	79.5	62.4	93.6
39	67.4	53.3	79.9



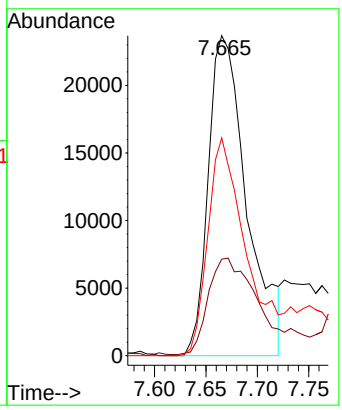


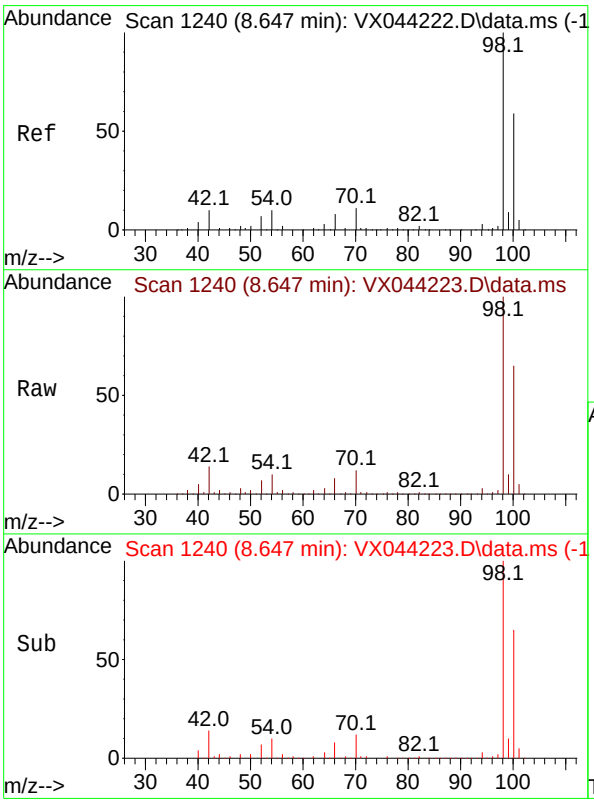
#49
1,4-Dioxane
Concen: 1830.521 ug/l
RT: 7.665 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 61921

Ion	Ratio	Lower	Upper
88	100		
43	41.4	27.1	40.7#
58	68.6	41.0	61.4#

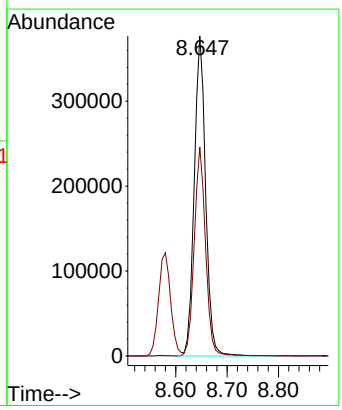


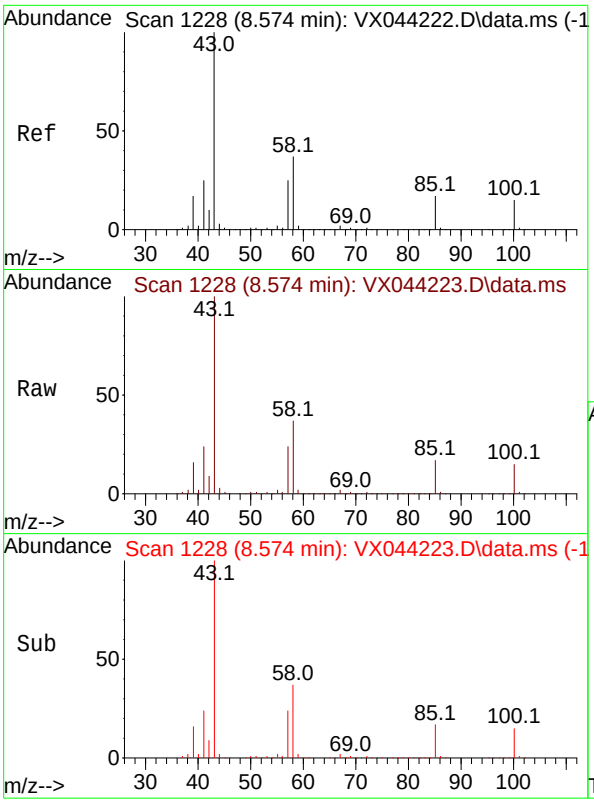


#50
Toluene-d8
Concen: 105.201 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 98 Resp: 579477

Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.5	77.3



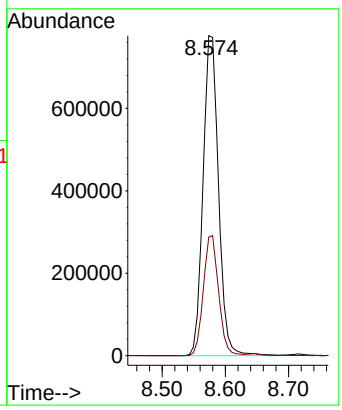


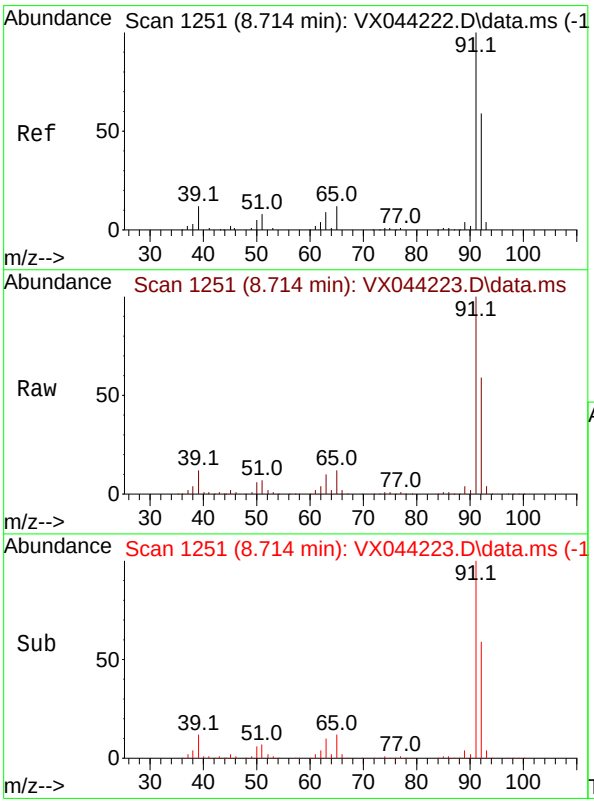
#51
4-Methyl-2-Pentanone
Concen: 504.496 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1322678

Ion	Ratio	Lower	Upper
43	100		
58	37.0	29.4	44.0

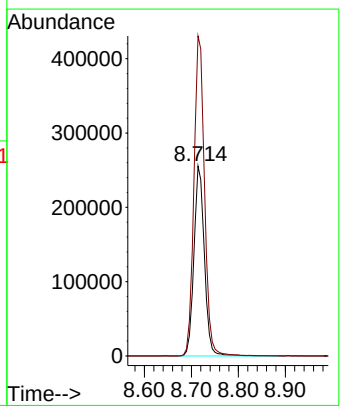


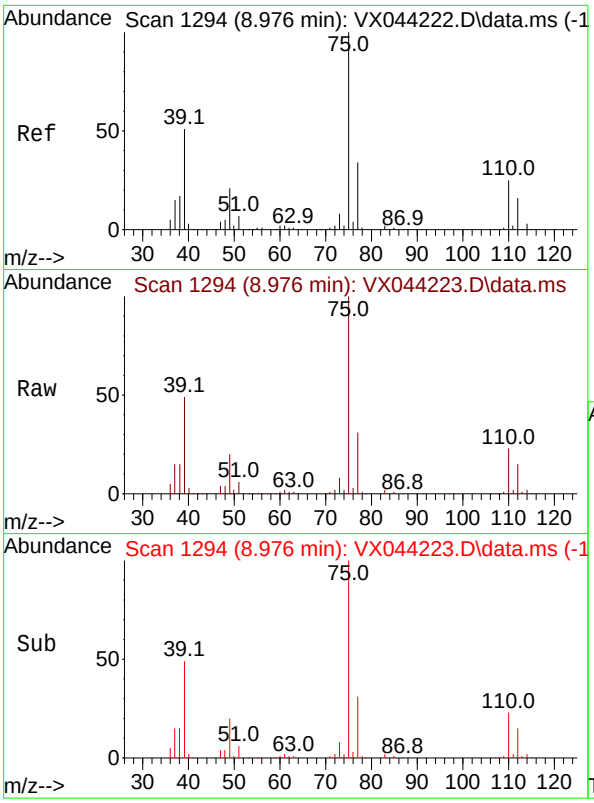


#52
Toluene
Concen: 98.506 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 92 Resp: 396383

Ion	Ratio	Lower	Upper
92	100		
91	171.4	137.0	205.6



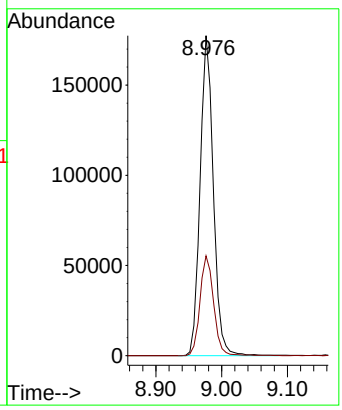


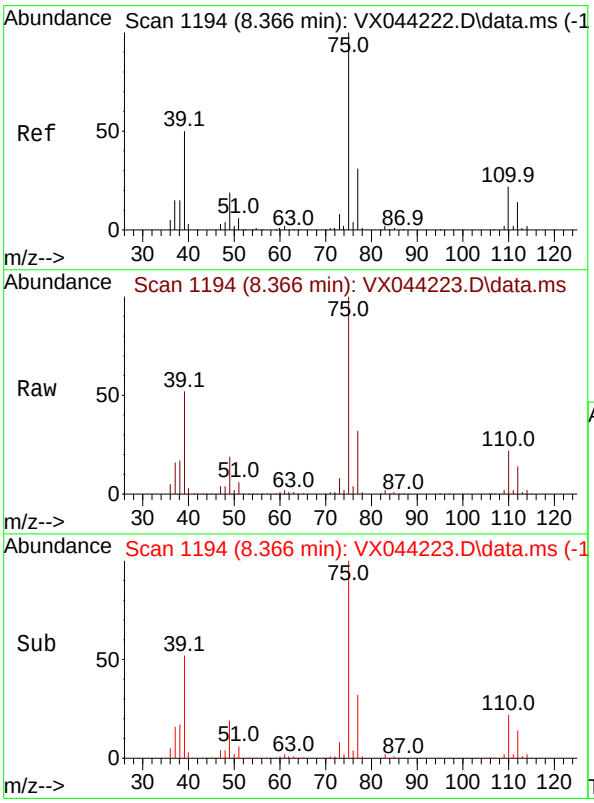
#53
t-1,3-Dichloropropene
Concen: 99.321 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 248092

Ion	Ratio	Lower	Upper
75	100		
77	31.2	27.2	40.8

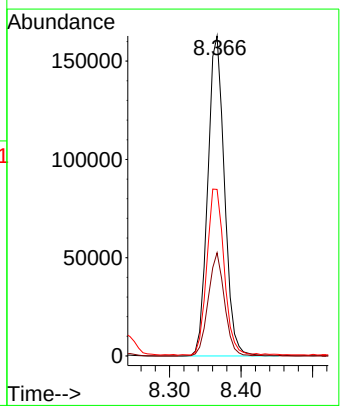


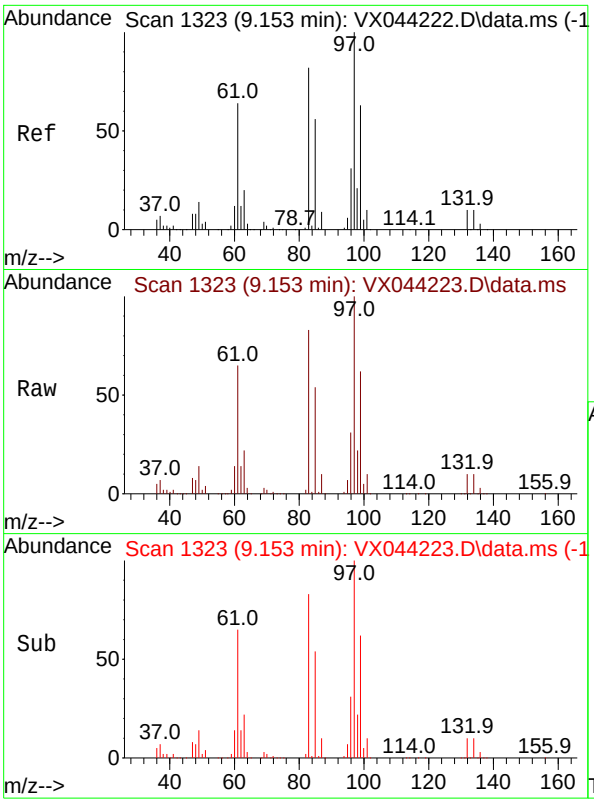


#54
cis-1,3-Dichloropropene
Concen: 110.127 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 75 Resp: 263014

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.7	37.1
39	51.8	40.3	60.5



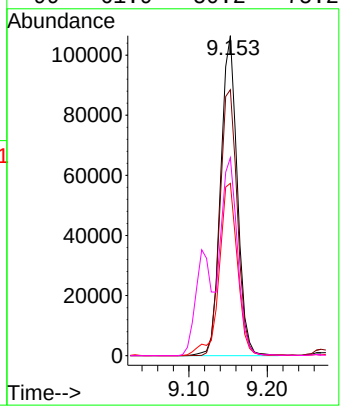


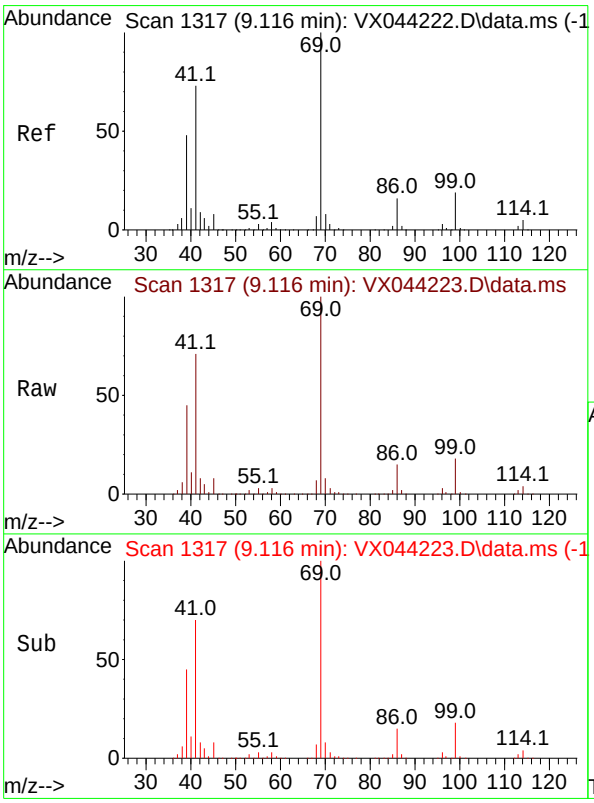
#55
1,1,2-Trichloroethane
Concen: 98.441 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 157366

Ion	Ratio	Lower	Upper
97	100		
83	83.1	65.3	97.9
85	53.8	44.6	67.0
99	61.9	50.2	75.2

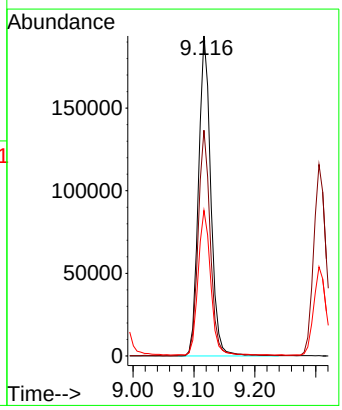


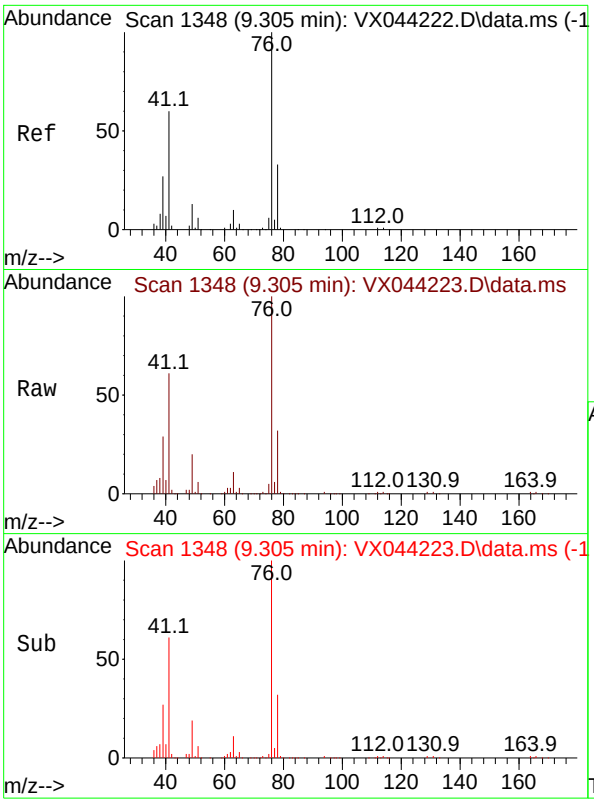


#56
Ethyl methacrylate
Concen: 107.442 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 69 Resp: 271146

Ion	Ratio	Lower	Upper
69	100		
41	69.4	56.6	85.0
39	46.1	37.4	56.0



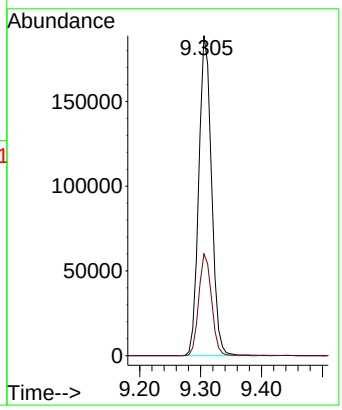


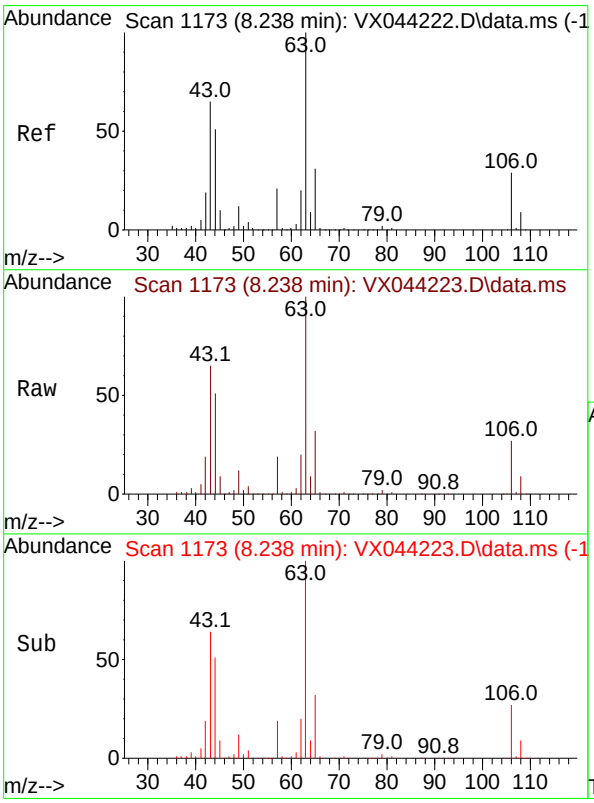
#57
1,3-Dichloropropane
Concen: 98.704 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 274642

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.5	39.7

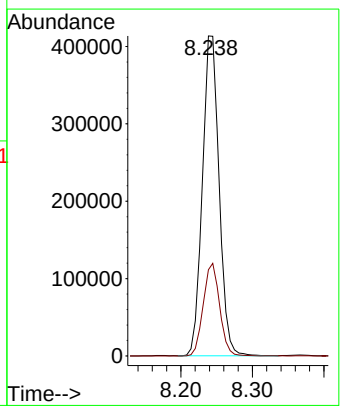


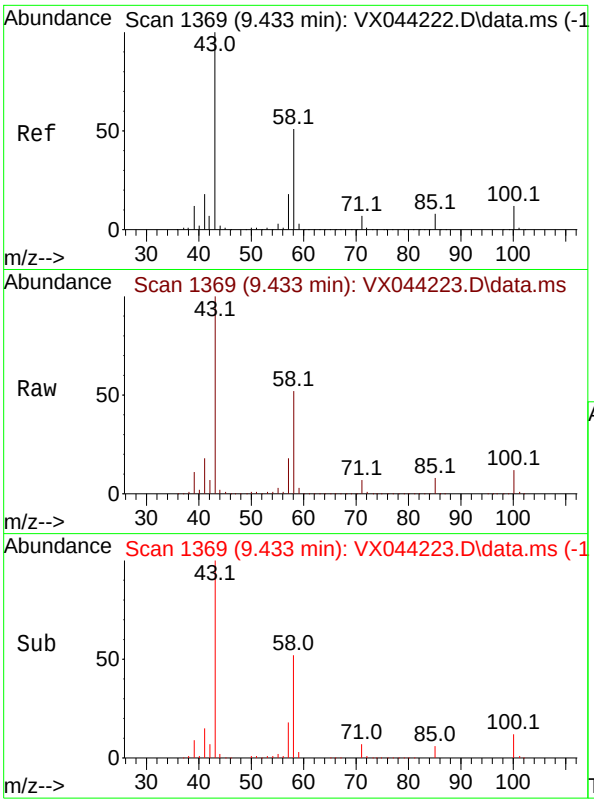


#58
2-Chloroethyl Vinyl ether
Concen: 527.342 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 63 Resp: 671233

Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.8	34.2



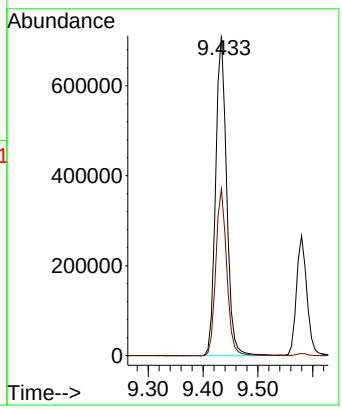


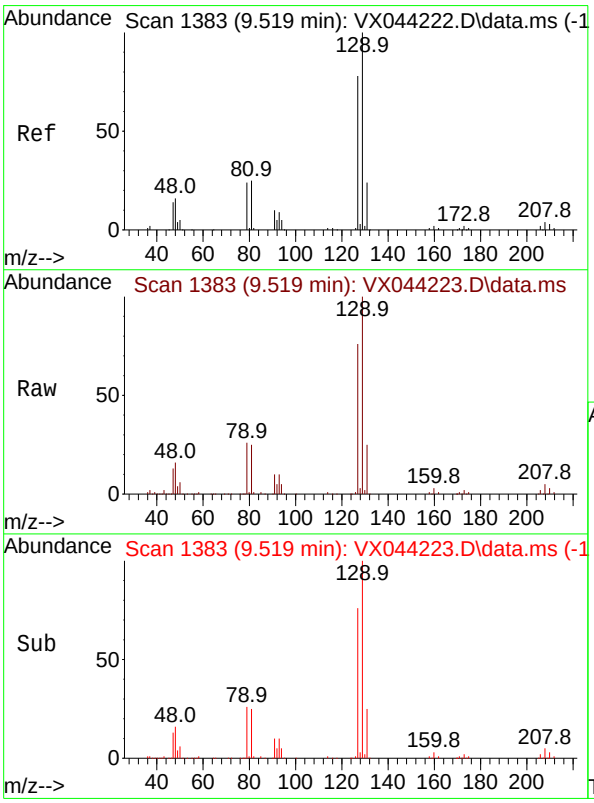
#59
2-Hexanone
Concen: 521.401 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 989466

Ion	Ratio	Lower	Upper
43	100		
58	51.9	25.7	77.0

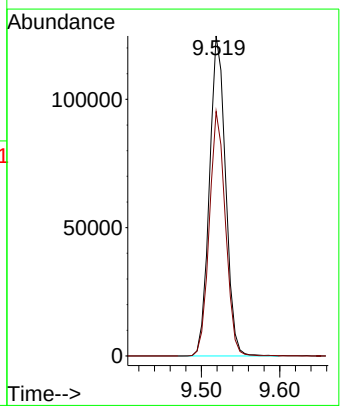


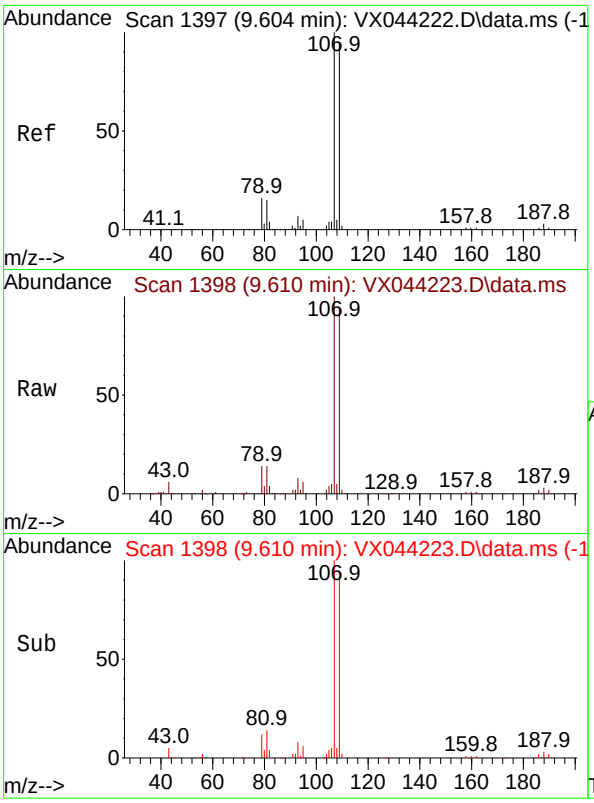


#60
Dibromochloromethane
Concen: 99.480 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:129 Resp: 178135

Ion	Ratio	Lower	Upper
129	100		
127	76.0	38.5	115.3



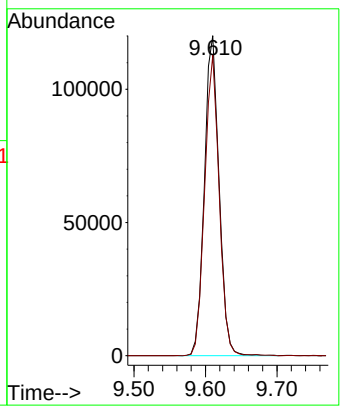


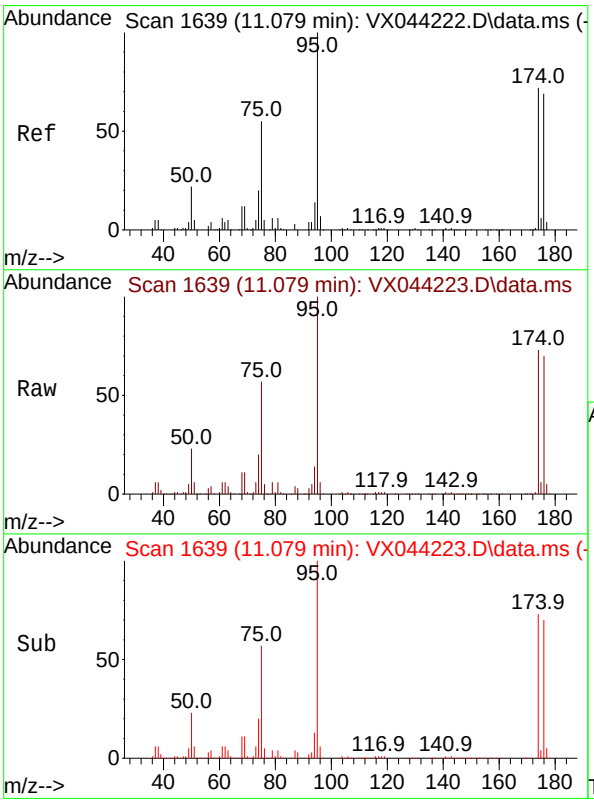
#61
1,2-Dibromoethane
Concen: 105.371 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 171458

Ion	Ratio	Lower	Upper
107	100		
109	93.1	77.0	115.4

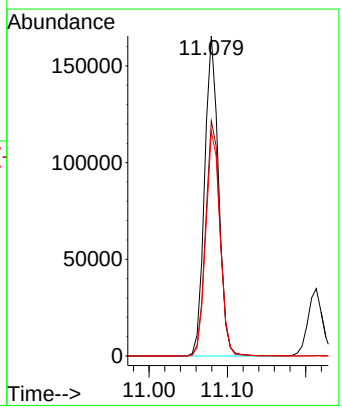


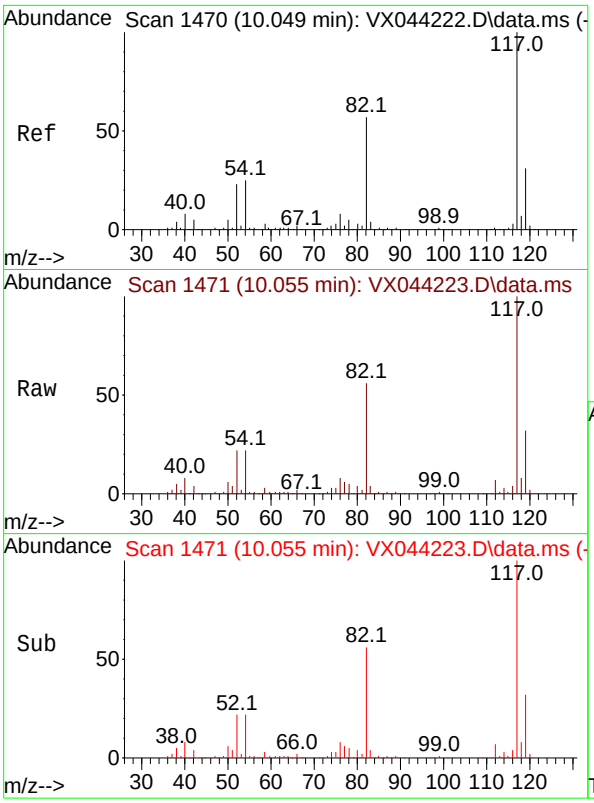


#62
4-Bromofluorobenzene
Concen: 105.830 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 95 Resp: 203694

Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	145.8
176	72.0	0.0	137.8



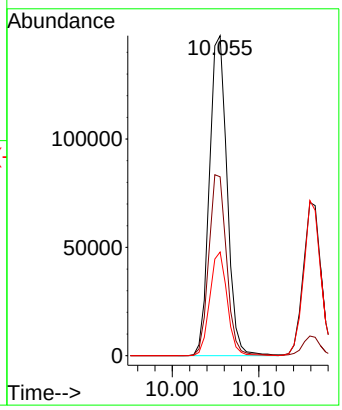


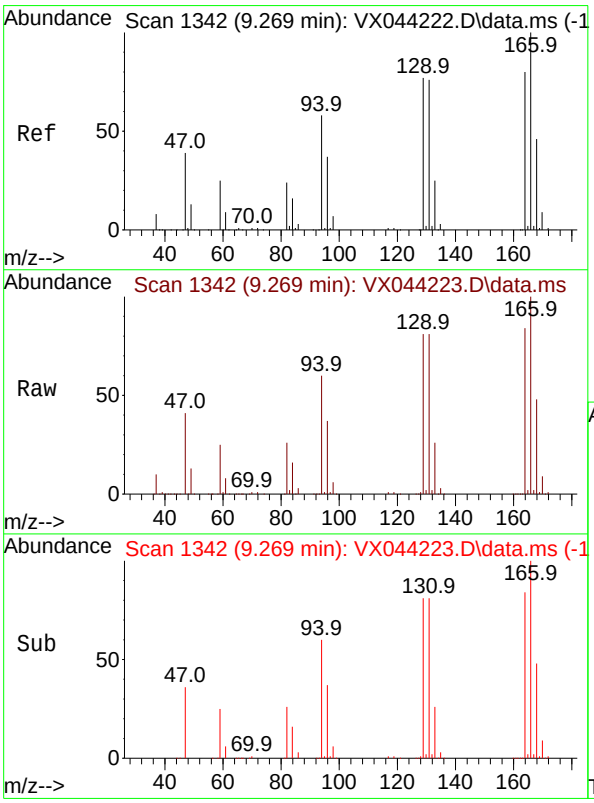
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 209164

Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.8	68.8
119	32.4	25.0	37.4

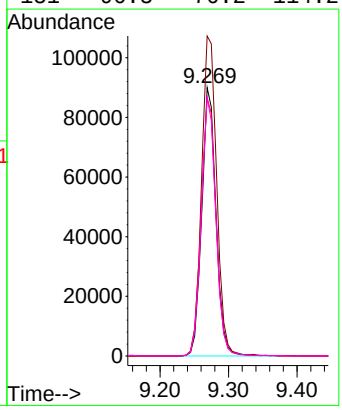


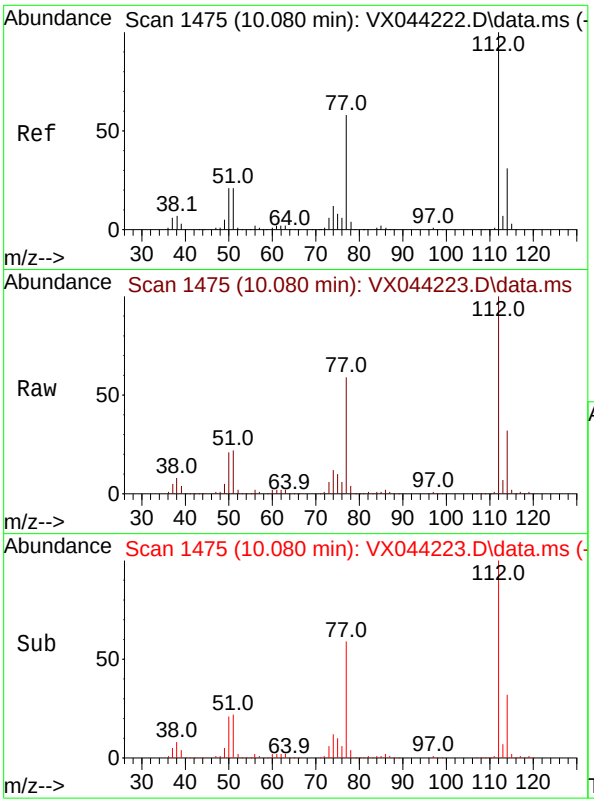


#64
Tetrachloroethene
Concen: 94.131 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:164 Resp: 130678

Ion	Ratio	Lower	Upper
164	100		
166	119.2	100.4	150.6
129	96.1	77.2	115.8
131	96.3	76.2	114.2



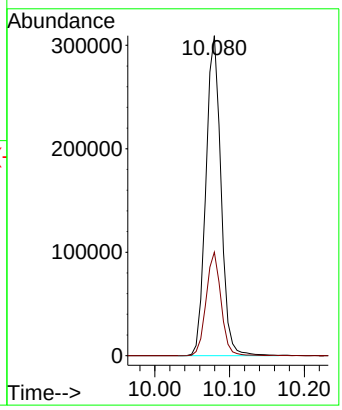


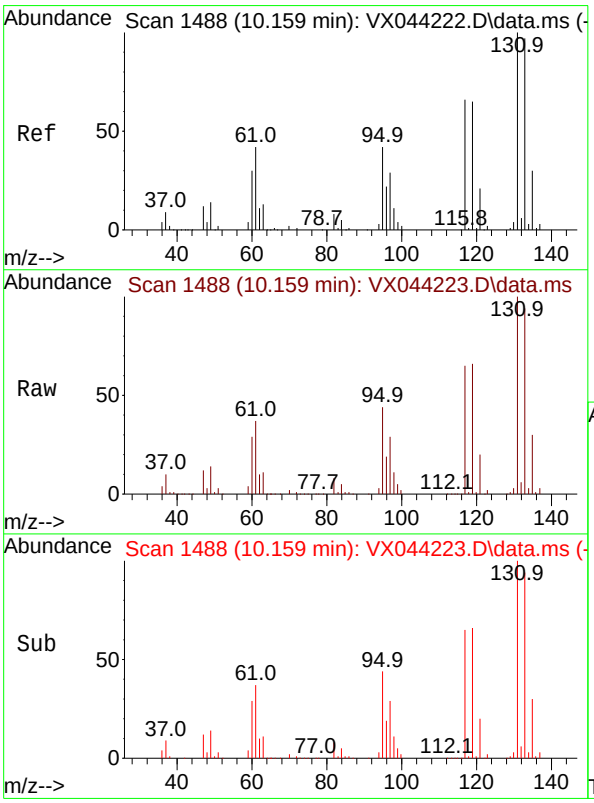
#65
Chlorobenzene
Concen: 96.650 ug/l
RT: 10.080 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 433179

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.0	37.6

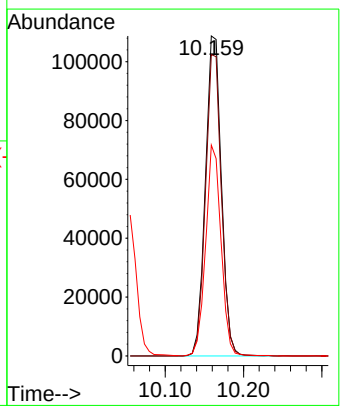


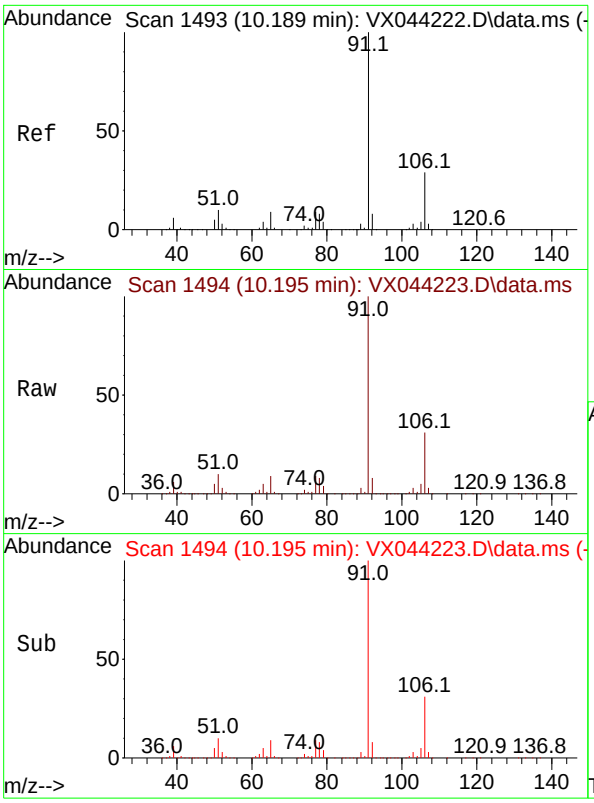


#66
1,1,1,2-Tetrachloroethane
Concen: 106.831 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:131 Resp: 153882

Ion	Ratio	Lower	Upper
131	100		
133	93.6	47.3	141.8
119	63.5	31.6	95.0



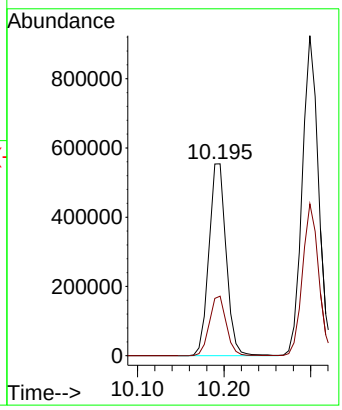


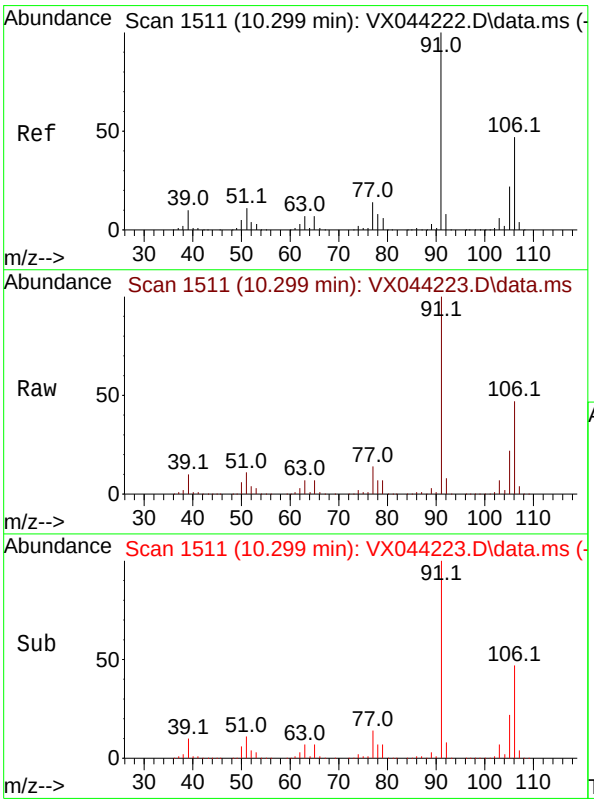
#67
Ethyl Benzene
Concen: 98.906 ug/l
RT: 10.195 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 765930

Ion	Ratio	Lower	Upper
91	100		
106	31.0	23.5	35.3

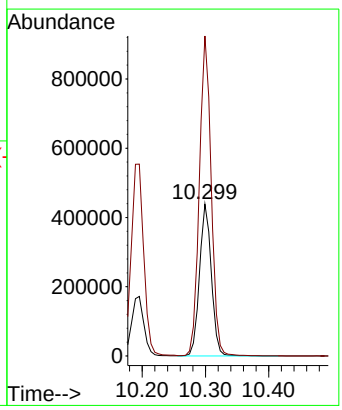


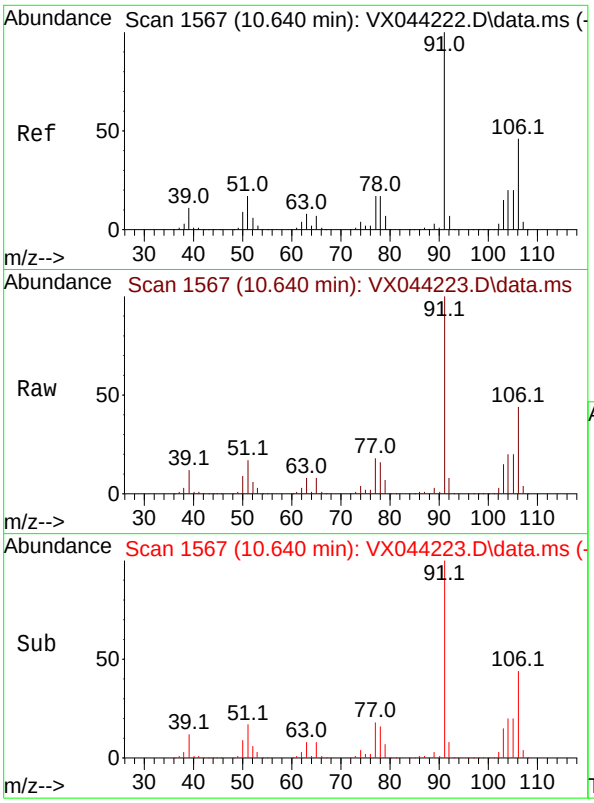


#68
m/p-Xylenes
Concen: 201.171 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:106 Resp: 571648

Ion	Ratio	Lower	Upper
106	100		
91	211.0	170.2	255.2



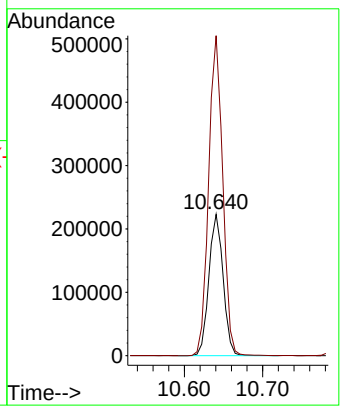


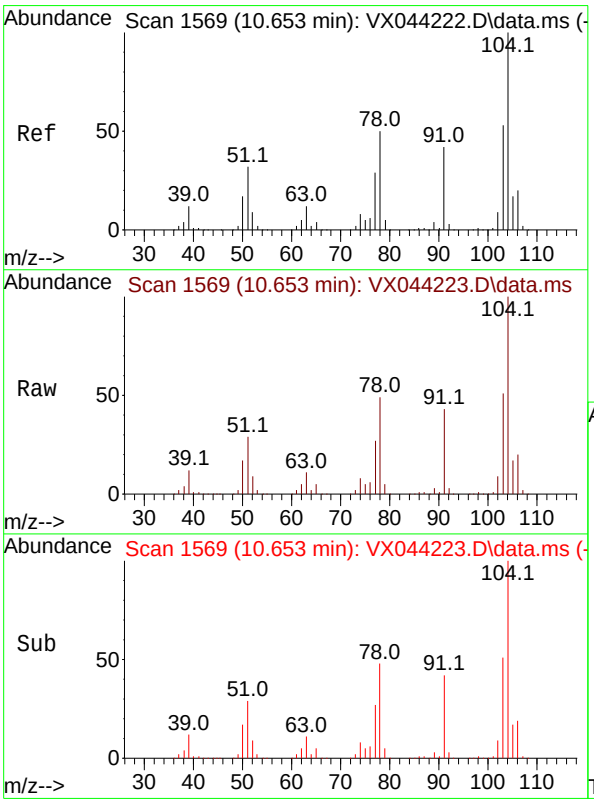
#69
o-Xylene
Concen: 97.597 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 280603

Ion	Ratio	Lower	Upper
106	100		
91	223.9	112.3	337.0

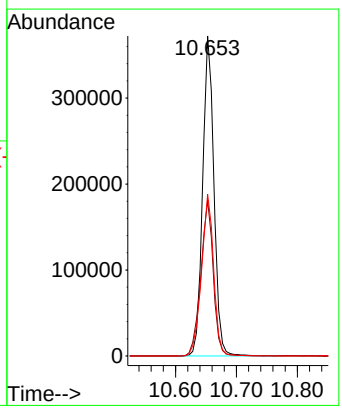


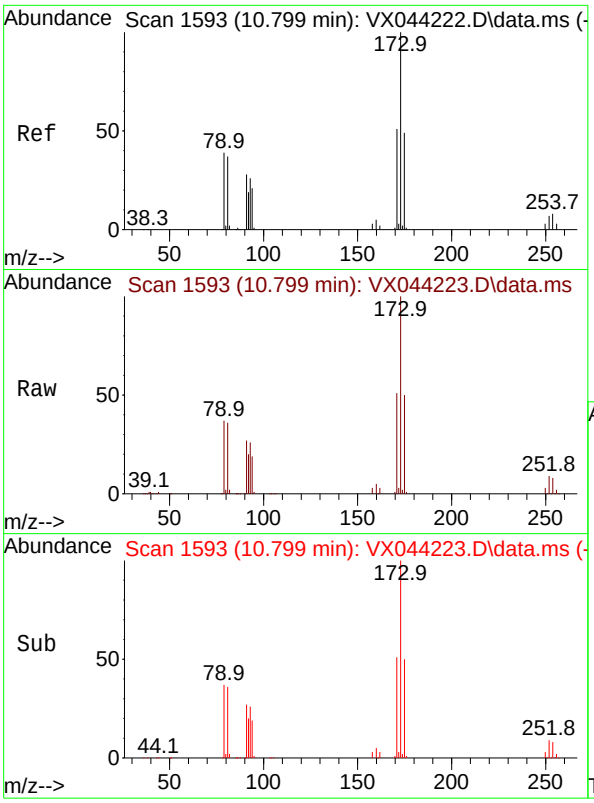


#70
Styrene
Concen: 104.159 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:104 Resp: 480077

Ion	Ratio	Lower	Upper
104	100		
78	53.5	44.6	67.0
103	54.5	45.4	68.0



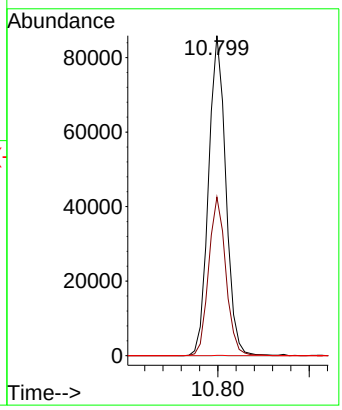


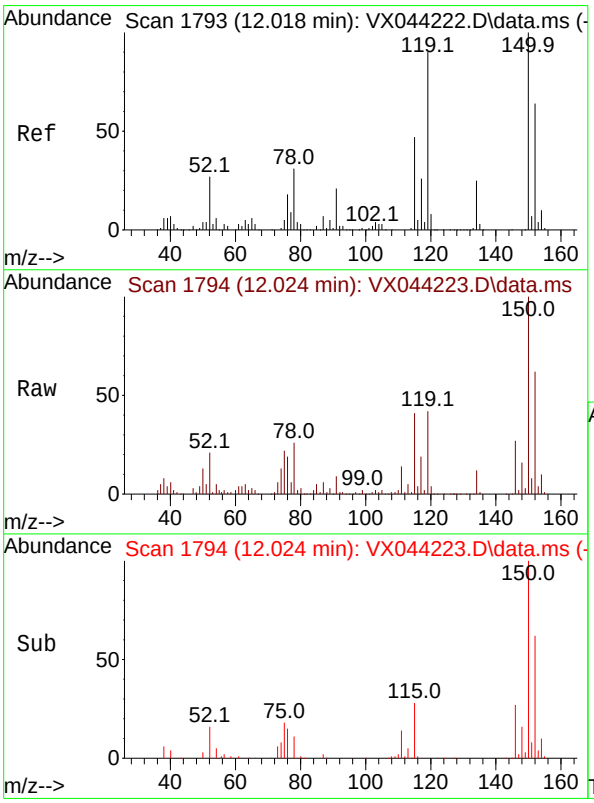
#71
Bromoform
Concen: 99.723 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 112482

Ion	Ratio	Lower	Upper
173	100		
175	49.2	23.8	71.4
254	0.1	0.0	0.0#

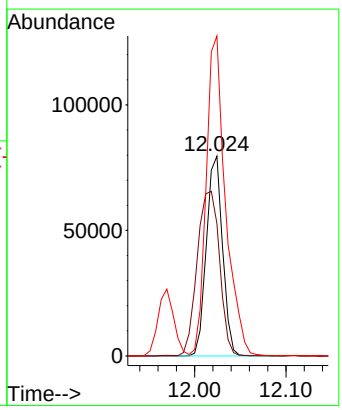


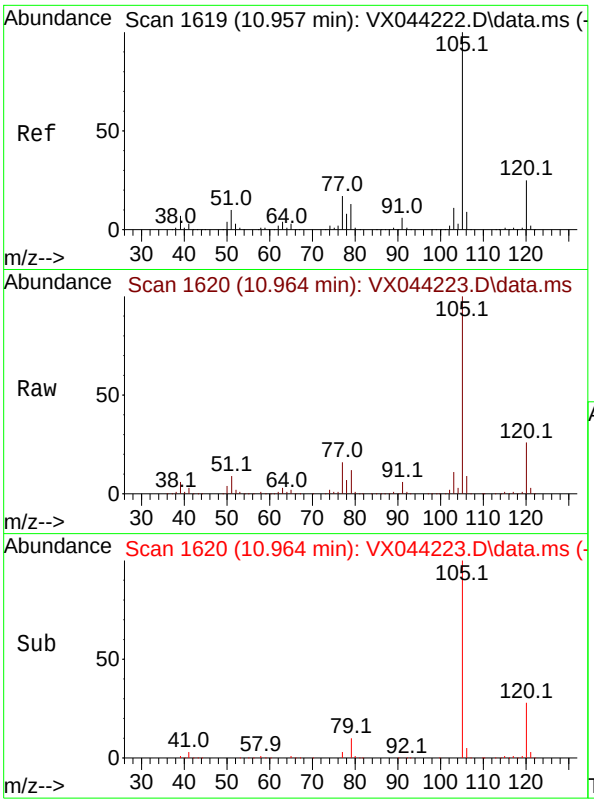


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:152 Resp: 97670

Ion	Ratio	Lower	Upper
152	100		
115	114.3	44.5	133.3
150	190.6	0.0	353.8



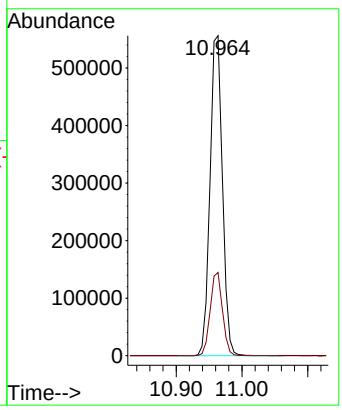


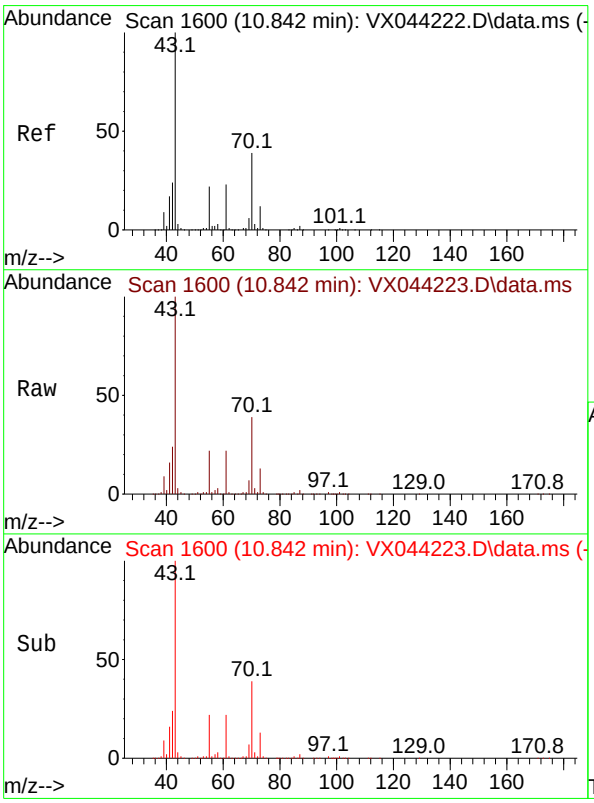
#73
Isopropylbenzene
Concen: 97.894 ug/l
RT: 10.964 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 731955

Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.1	39.3

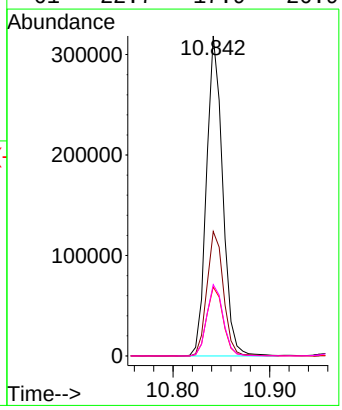


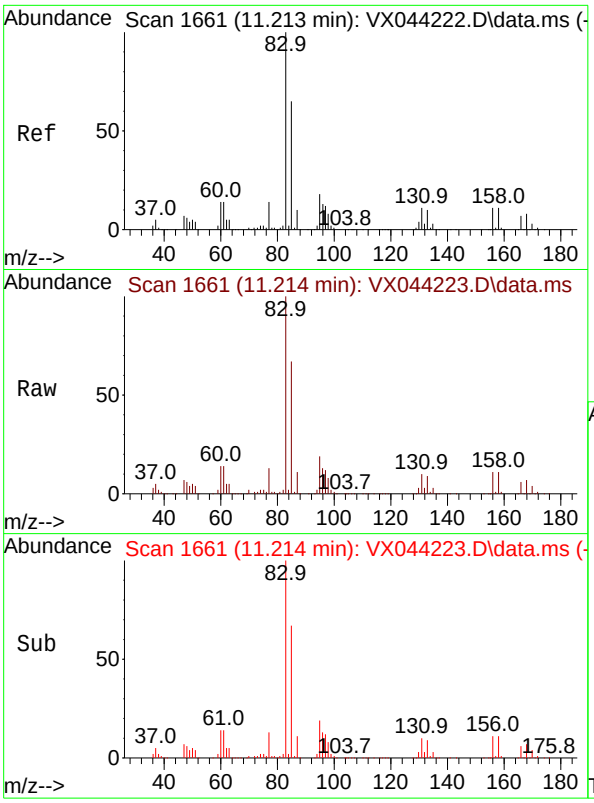


#74
N-amyl acetate
Concen: 107.485 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 43 Resp: 371420

Ion	Ratio	Lower	Upper
43	100		
70	39.7	31.9	47.9
55	22.2	17.9	26.9
61	22.7	17.9	26.9



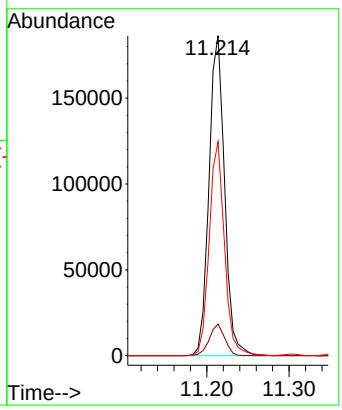


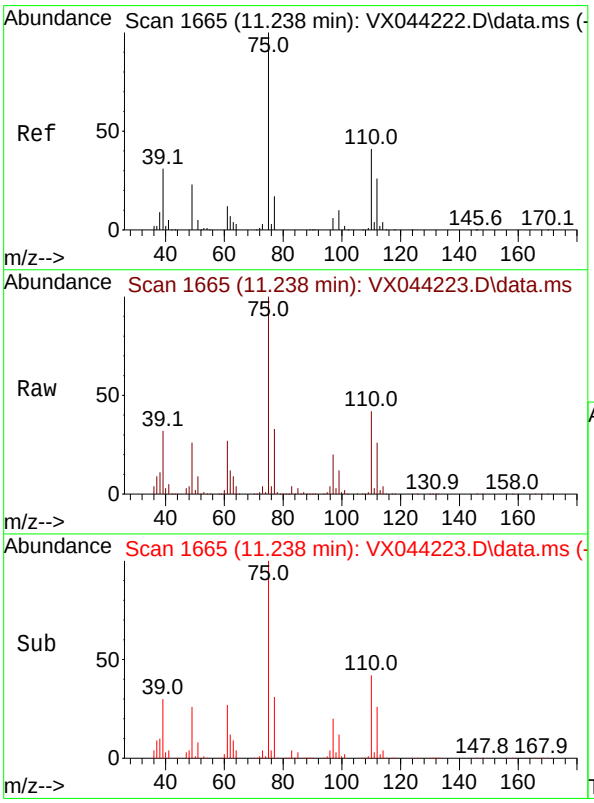
#75
1,1,2,2-Tetrachloroethane
Concen: 94.491 ug/l
RT: 11.214 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 245395

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.1	15.4
85	65.4	32.5	97.4

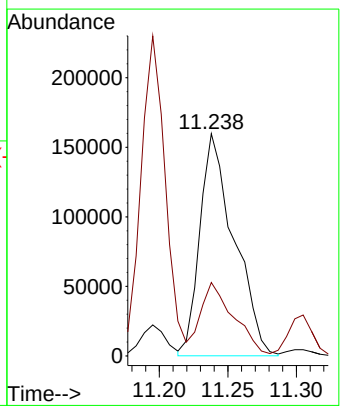


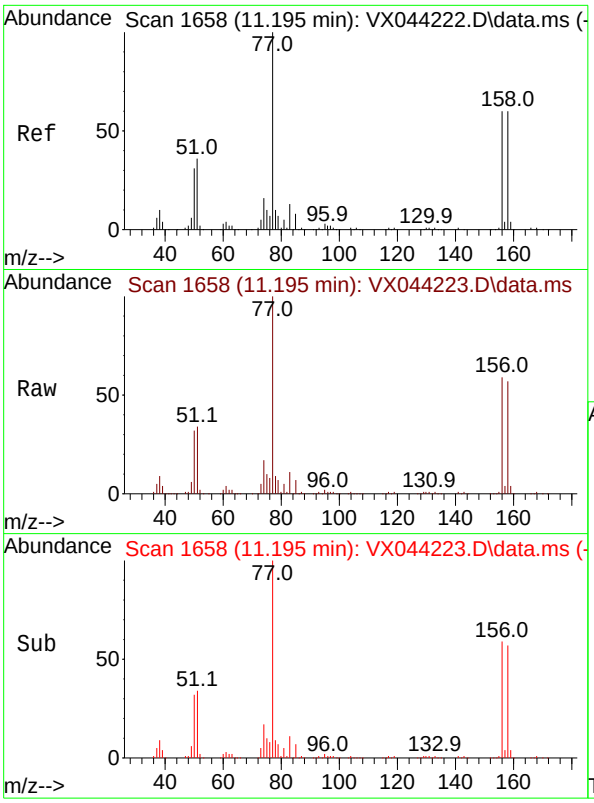


#76
1,2,3-Trichloropropane
Concen: 125.569 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 75 Resp: 278299

Ion	Ratio	Lower	Upper
75	100		
77	32.2	20.9	62.7



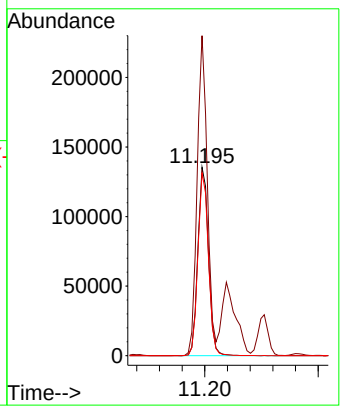


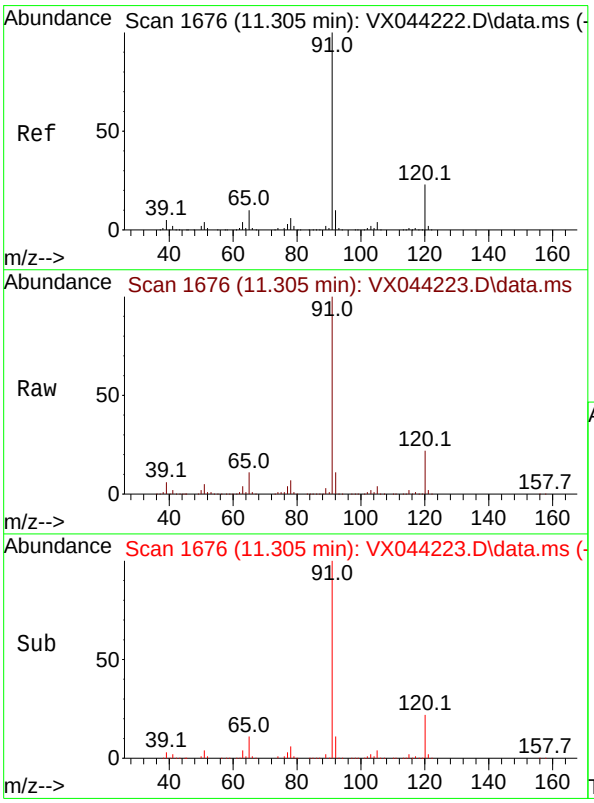
#77
Bromobenzene
Concen: 96.874 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 175647

Ion	Ratio	Lower	Upper
156	100		
77	162.7	82.6	247.8
158	96.2	48.8	146.4

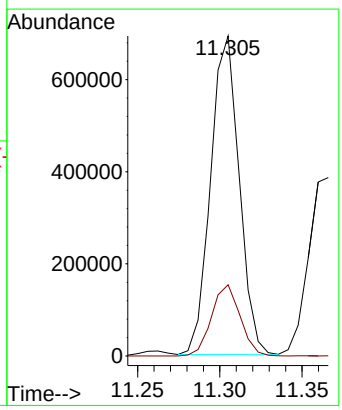


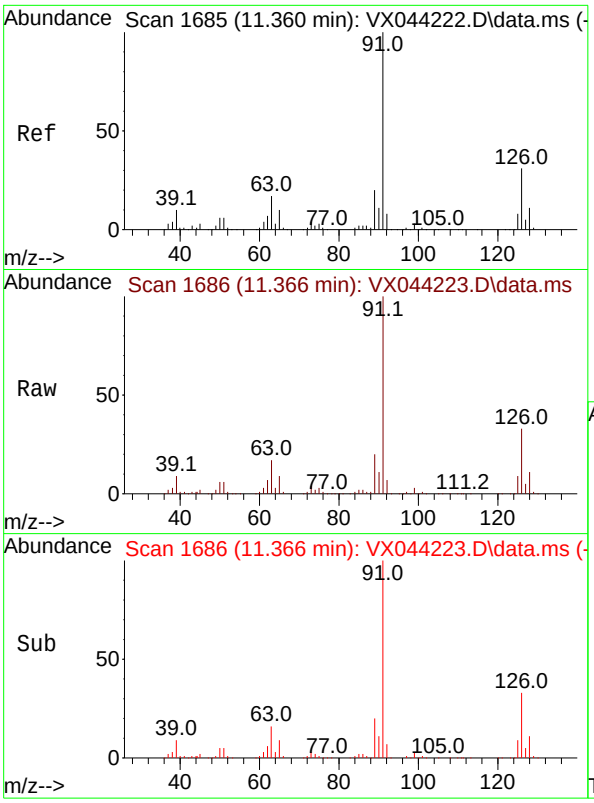


#78
n-propylbenzene
Concen: 101.242 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 91 Resp: 836676

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.0	33.0



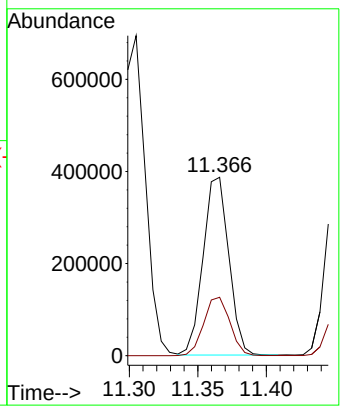


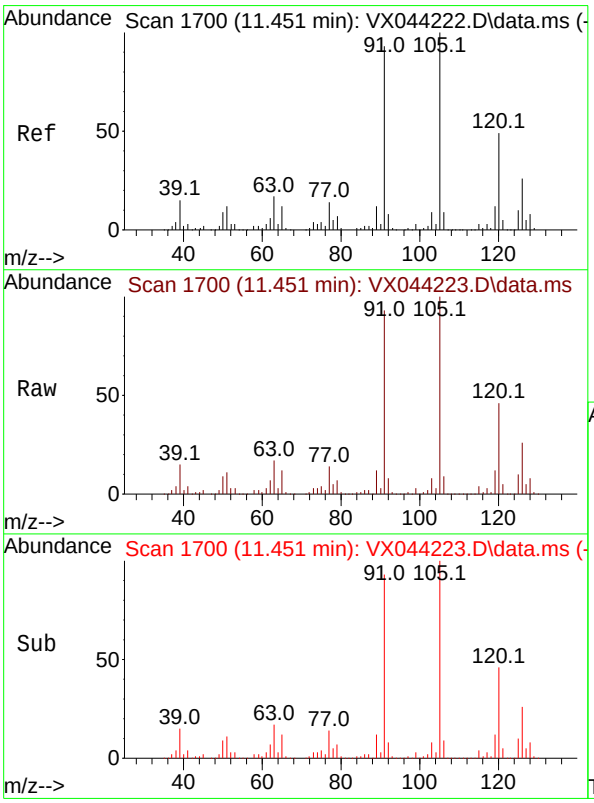
#79
2-Chlorotoluene
Concen: 94.377 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 504407

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.4	49.1

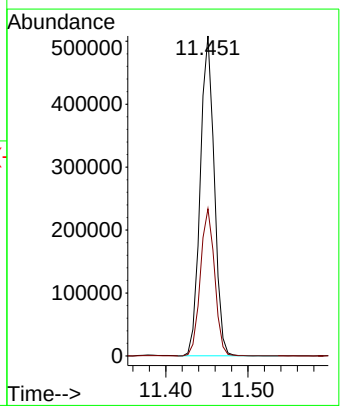


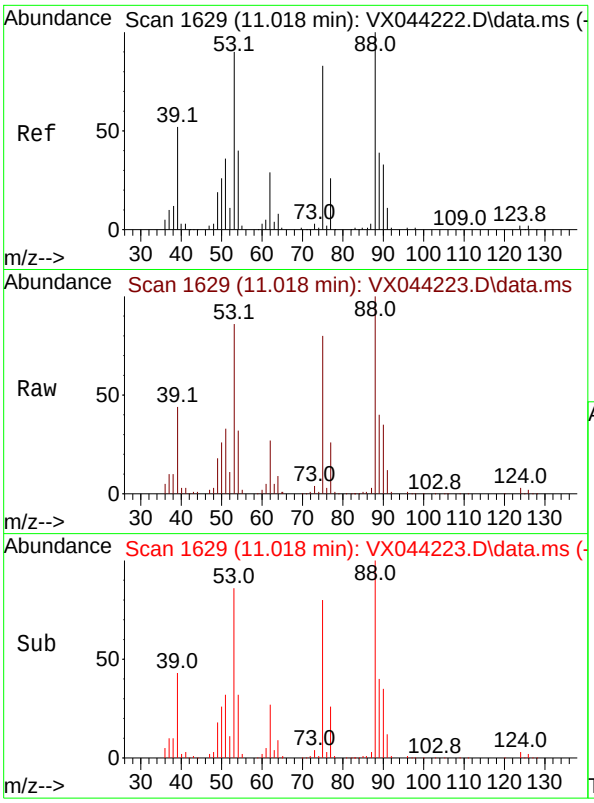


#80
1,3,5-Trimethylbenzene
Concen: 97.570 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:105 Resp: 604993

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.8	71.4



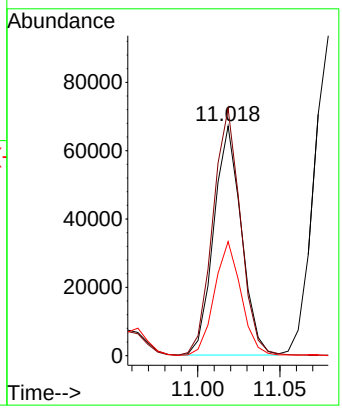


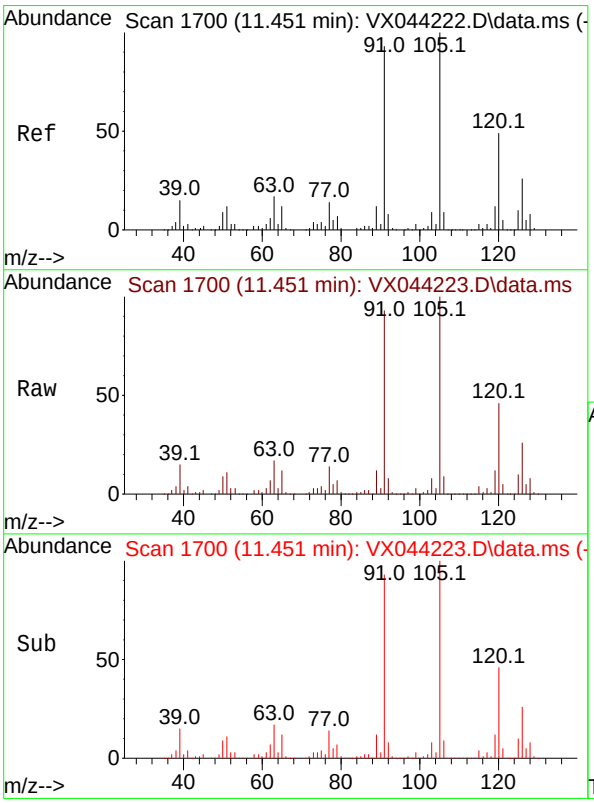
#81
trans-1,4-Dichloro-2-butene
Concen: 97.165 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 78453

Ion	Ratio	Lower	Upper
75	100		
53	107.9	93.6	140.4
89	47.8	37.3	55.9

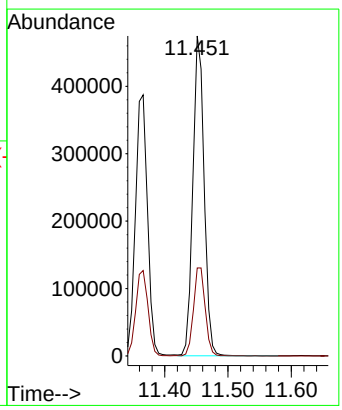


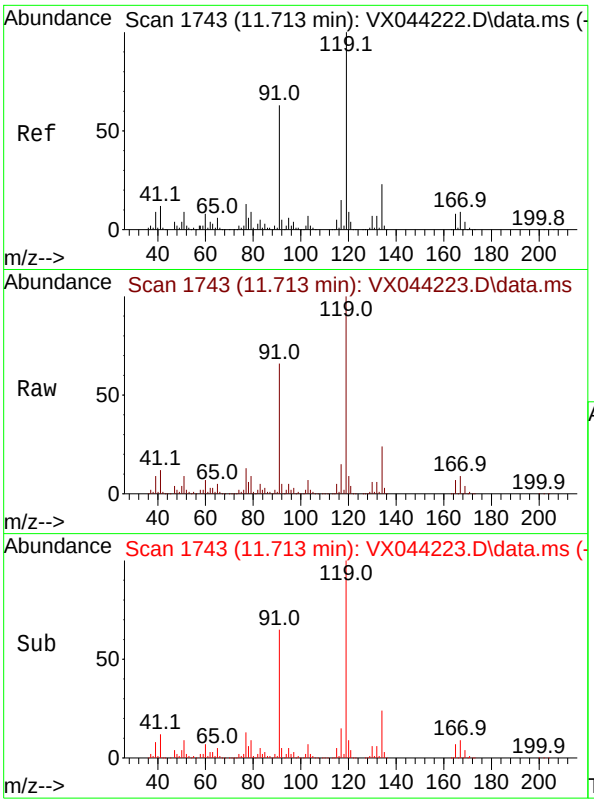


#82
4-Chlorotoluene
Concen: 99.384 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 91 Resp: 588197

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.5	43.5



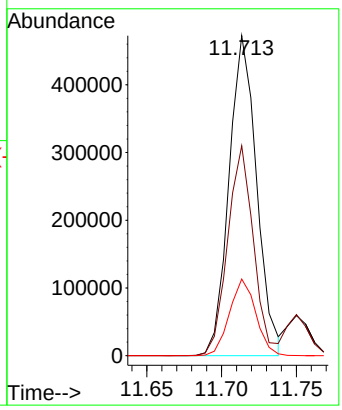


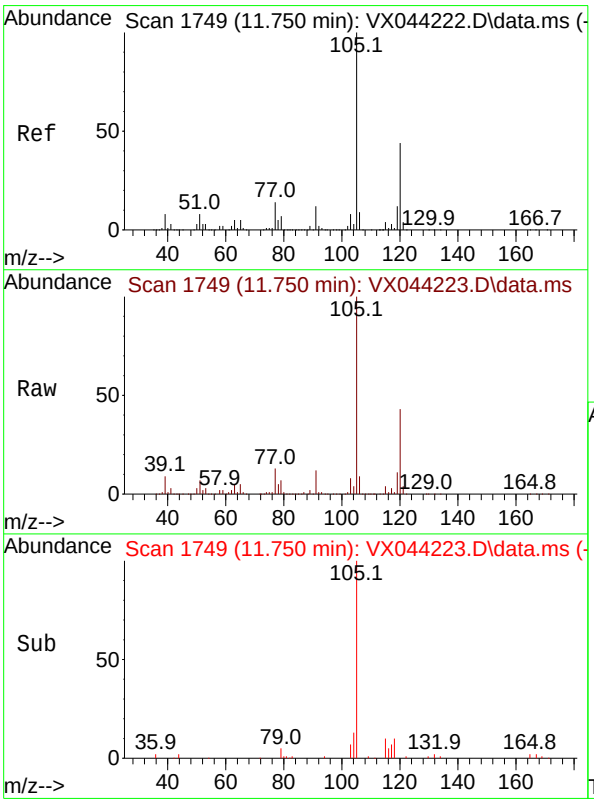
#83
tert-Butylbenzene
Concen: 99.013 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 606738

Ion	Ratio	Lower	Upper
119	100		
91	61.5	30.9	92.5
134	22.8	11.5	34.4

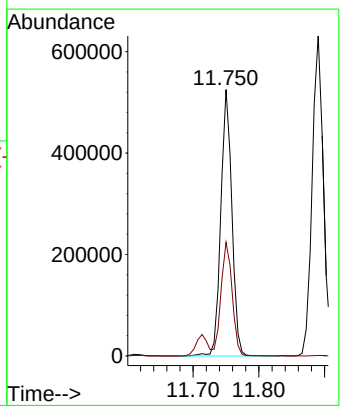


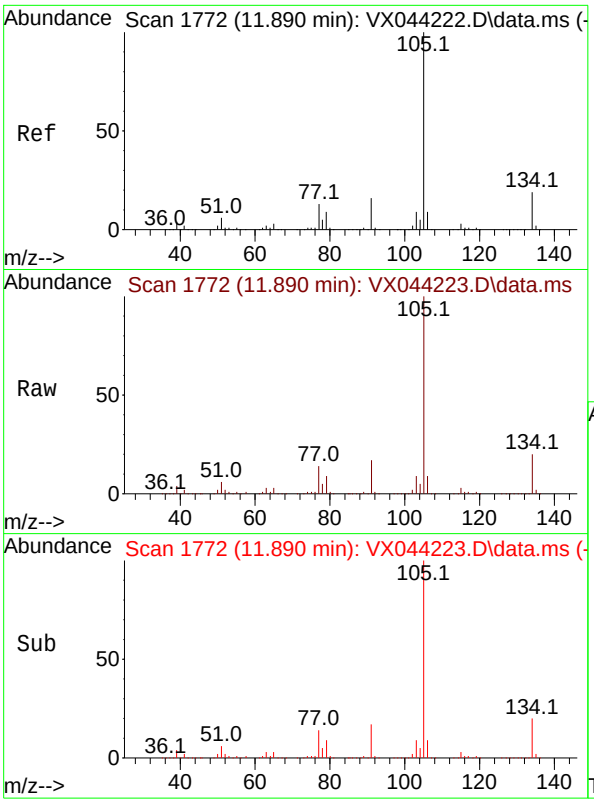


#84
1,2,4-Trimethylbenzene
Concen: 100.994 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:105 Resp: 614999

Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.7	65.1



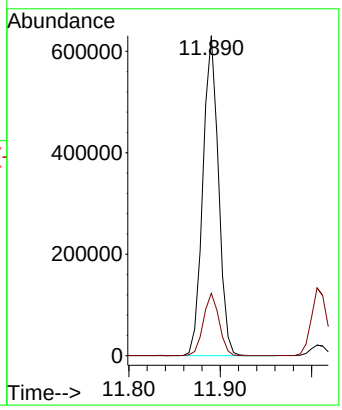


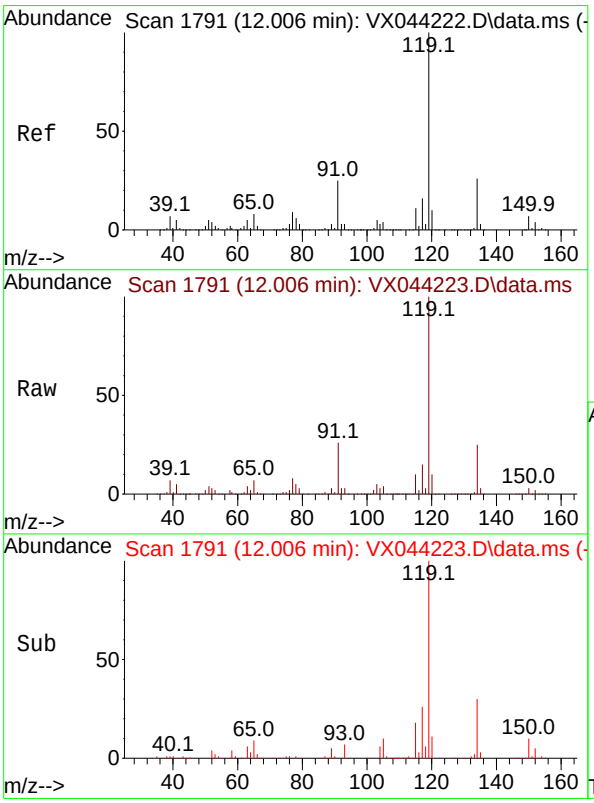
#85
sec-Butylbenzene
Concen: 99.889 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 743098

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.4

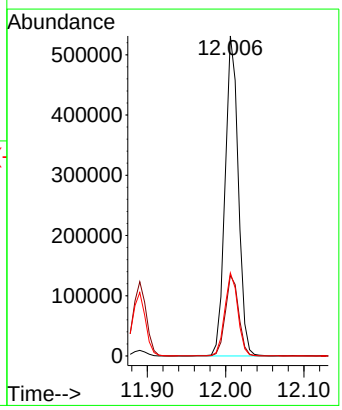


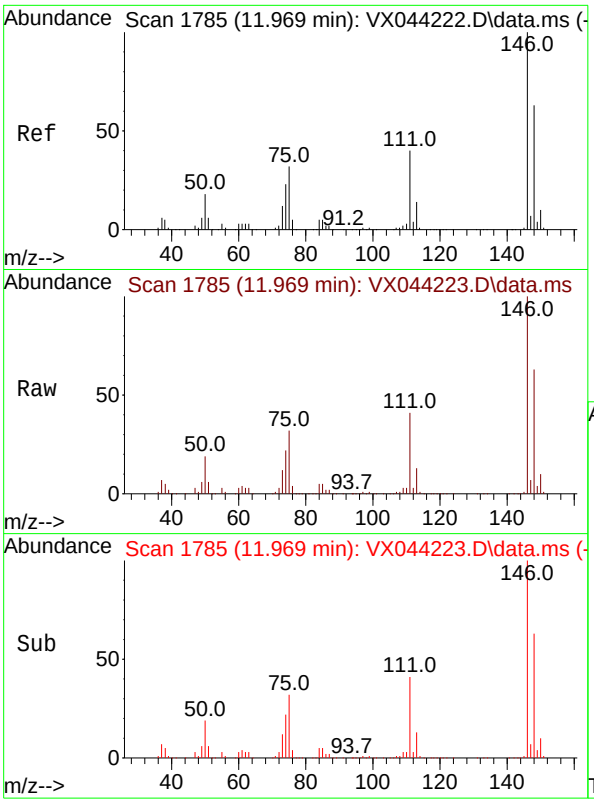


#86
p-Isopropyltoluene
Concen: 100.847 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:119 Resp: 624416

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.8	38.4
91	25.6	13.0	39.0



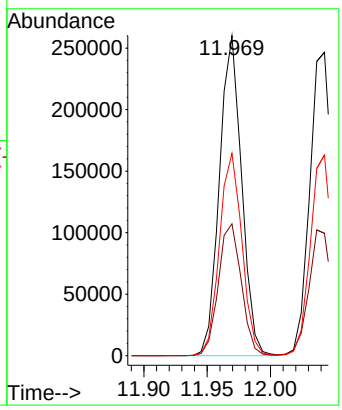


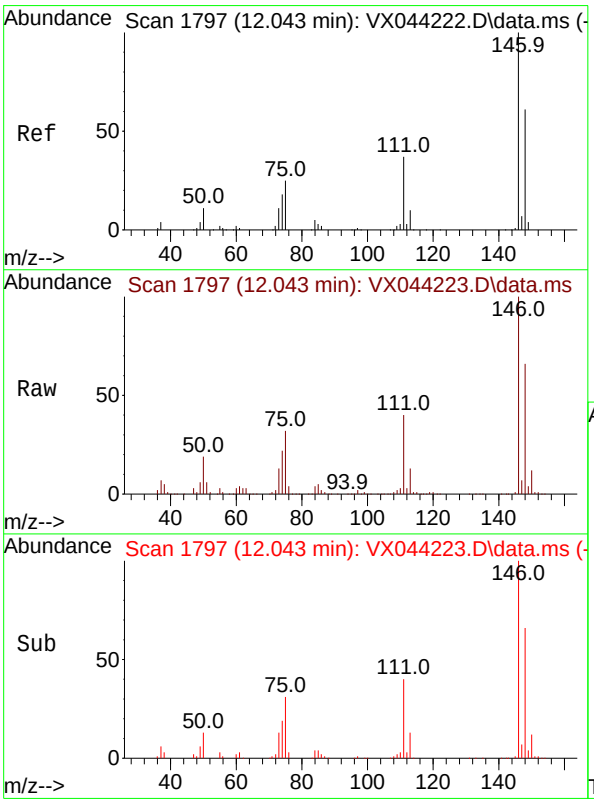
#87
1,3-Dichlorobenzene
Concen: 100.210 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 317377

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.4	64.2
148	64.1	31.7	95.1

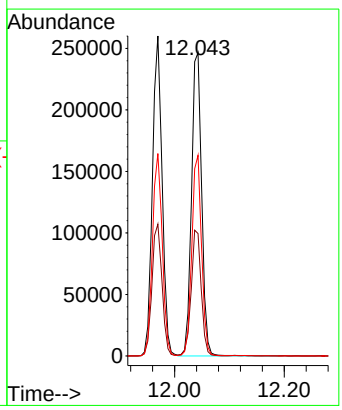


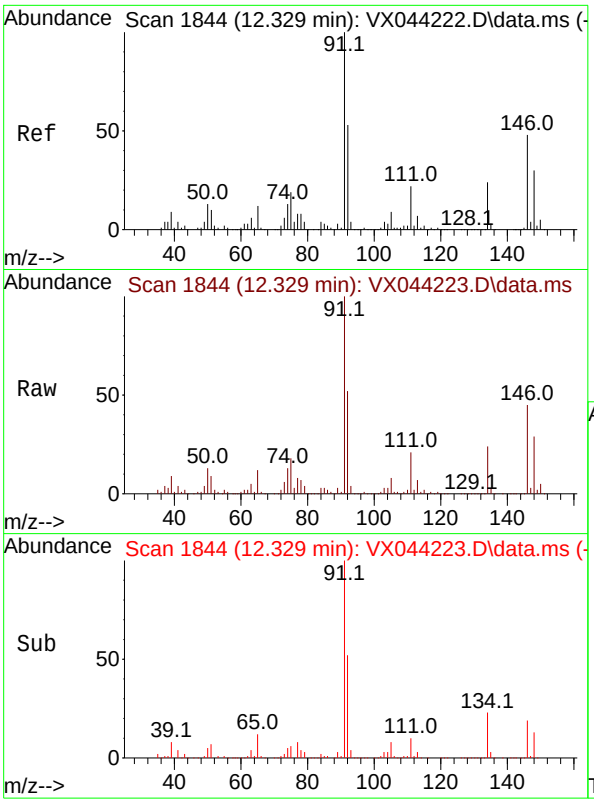


#88
1,4-Dichlorobenzene
Concen: 97.271 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:146 Resp: 316688

Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.0	63.0
148	63.7	32.3	96.8



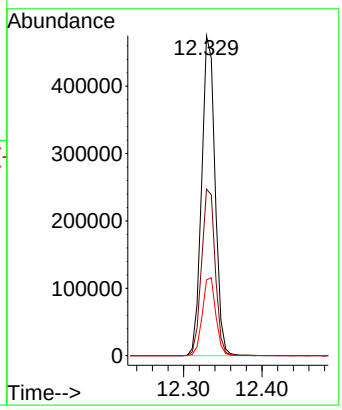


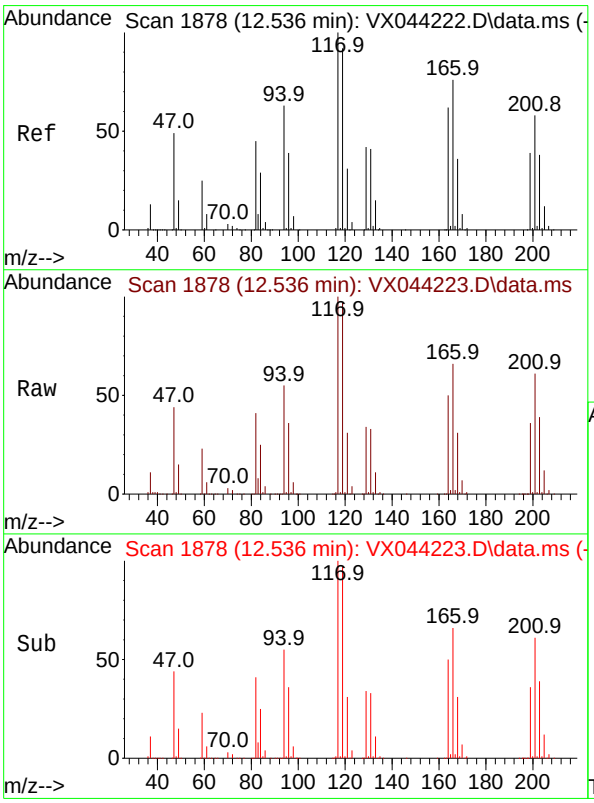
#89
n-Butylbenzene
Concen: 108.385 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 564303

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.6	79.7
134	24.5	12.6	37.8

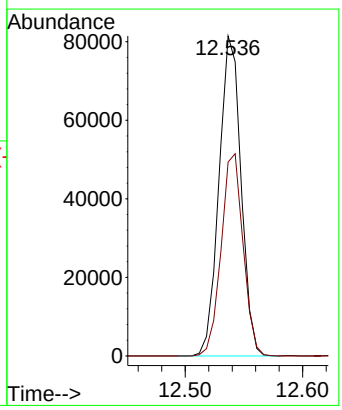


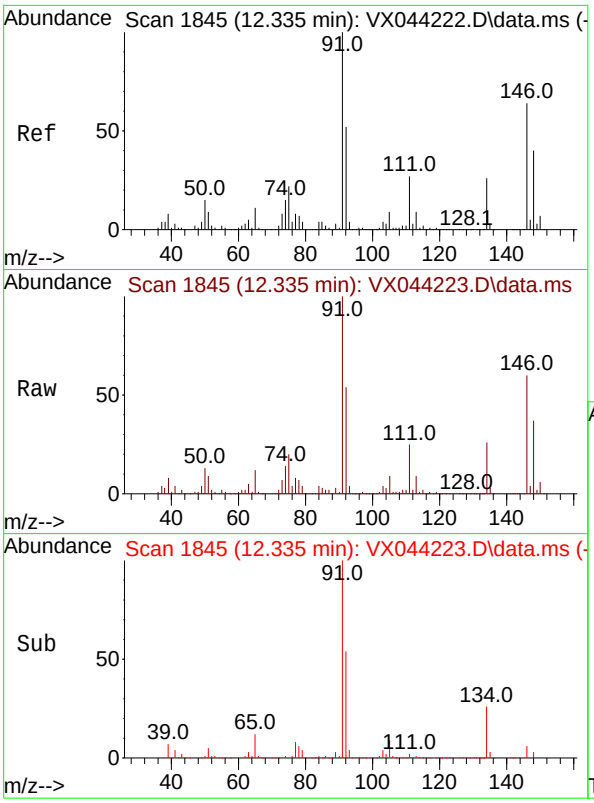


#90
Hexachloroethane
Concen: 117.218 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:117 Resp: 105946

Ion	Ratio	Lower	Upper
117	100		
201	63.2	31.4	94.2



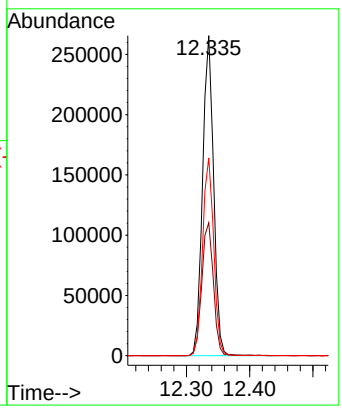


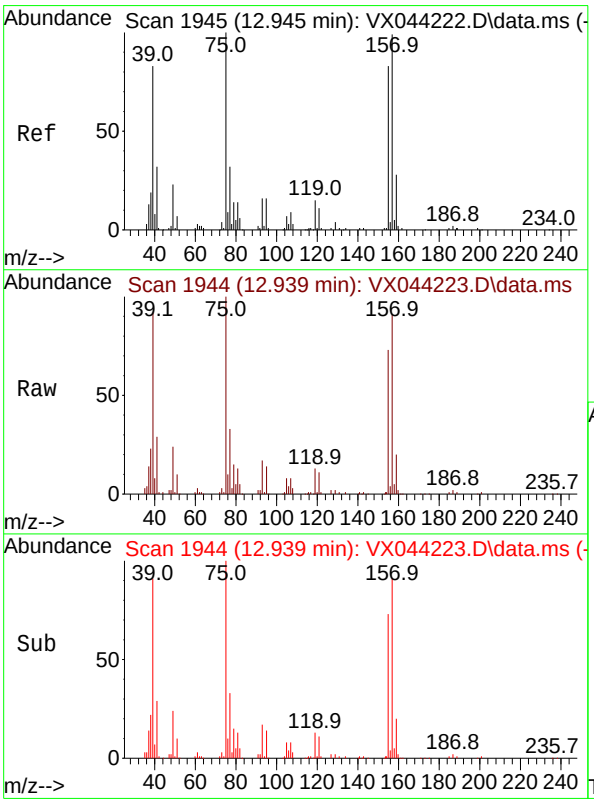
#91
1,2-Dichlorobenzene
Concen: 98.232 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 323040

Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.4	64.3
148	62.6	31.6	95.0

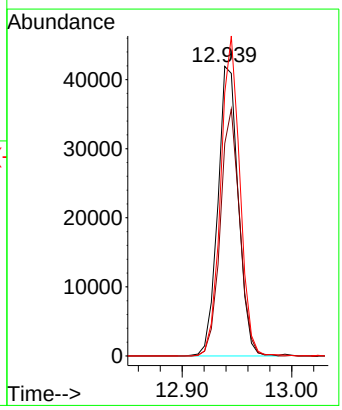


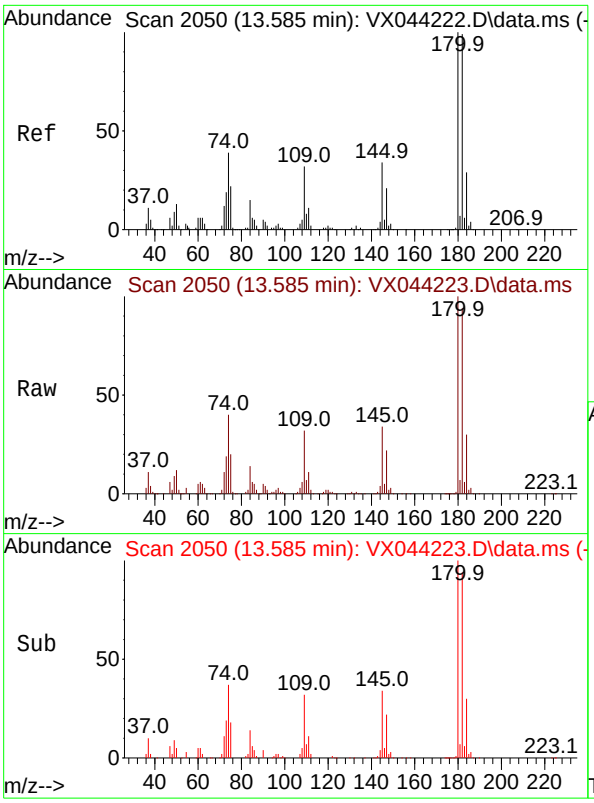


#92
1,2-Dibromo-3-Chloropropane
Concen: 108.279 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion: 75 Resp: 54588

Ion	Ratio	Lower	Upper
75	100		
155	80.6	38.1	114.3
157	102.8	47.2	141.6



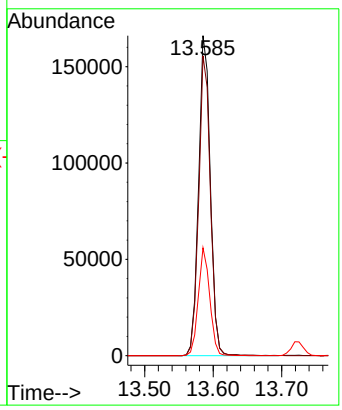


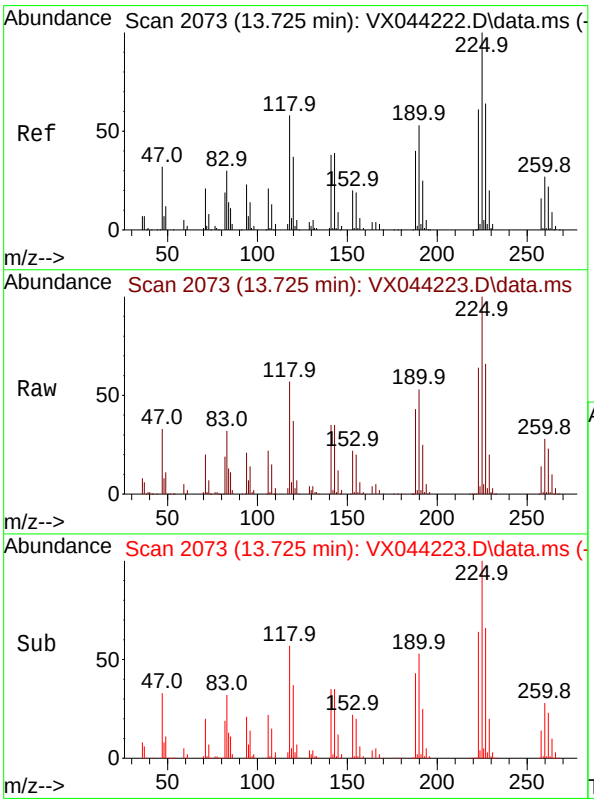
#93
1,2,4-Trichlorobenzene
Concen: 109.766 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 197899

Ion	Ratio	Lower	Upper
180	100		
182	93.5	48.0	144.2
145	32.9	16.6	49.7

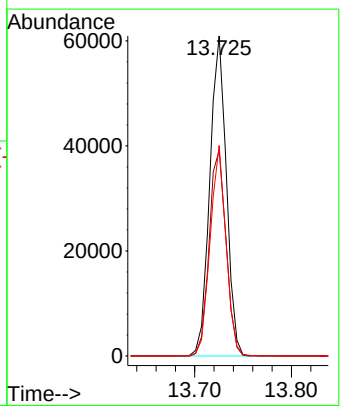


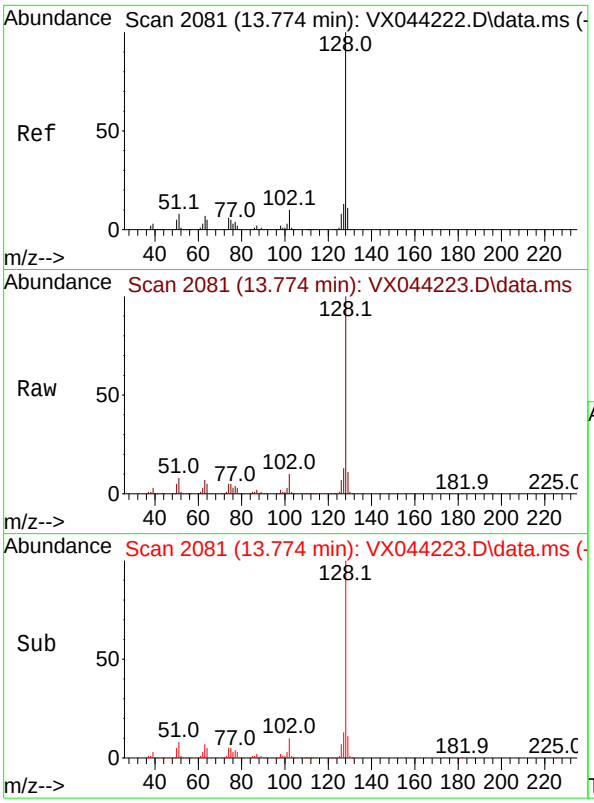


#94
Hexachlorobutadiene
Concen: 99.908 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:225 Resp: 72453

Ion	Ratio	Lower	Upper
225	100		
223	65.5	30.8	92.4
227	62.9	32.1	96.3



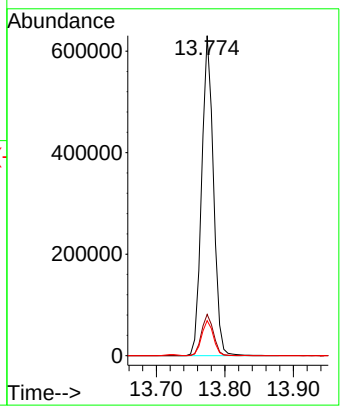


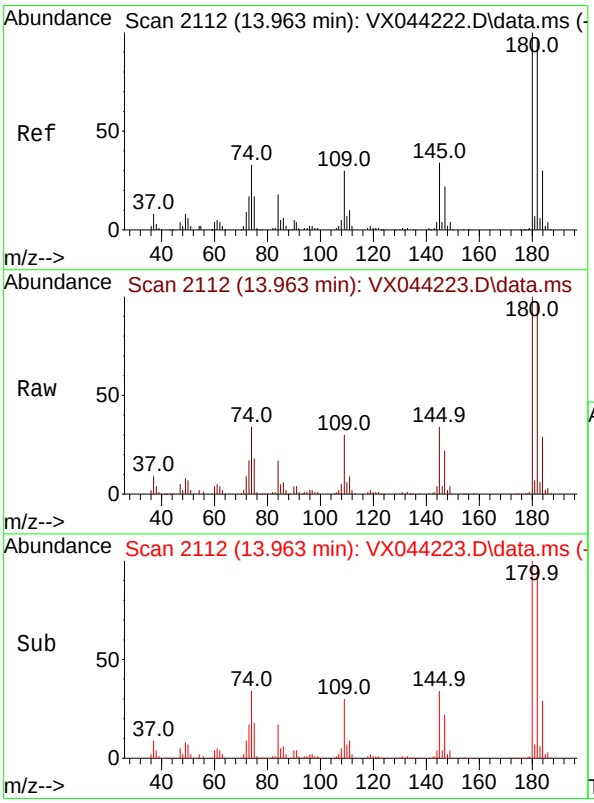
#95
Naphthalene
Concen: 107.308 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 755181

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	9.0	13.4

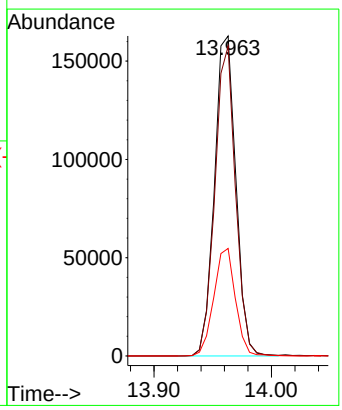




#96
1,2,3-Trichlorobenzene
Concen: 107.754 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX044223.D
Acq: 11 Dec 2024 12:37

Tgt Ion:180 Resp: 206053

Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.0	144.0
145	34.1	17.7	53.1



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044224.D
Acq On : 11 Dec 2024 13:00
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Dec 12 04:16:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.550	168	117957	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	218610	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.055	117	190013	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90898	50.000 ug/l	# 0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.952	65	314272	151.956 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 303.920%#		
35) Dibromofluoromethane	5.385	113	231937	153.188 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 306.380%#		
50) Toluene-d8	8.647	98	788876	154.438 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 308.880%#		
62) 4-Bromofluorobenzene	11.079	95	279706	156.709 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 313.420%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.166	85	268739	147.342 ug/l	98
3) Chloromethane	1.294	50	261734	150.062 ug/l	97
4) Vinyl Chloride	1.374	62	260651	143.446 ug/l	97
5) Bromomethane	1.593	94	194089	150.562 ug/l	100
6) Chloroethane	1.660	64	150640	133.137 ug/l	98
7) Trichlorofluoromethane	1.861	101	500315	140.645 ug/l	99
8) Diethyl Ether	2.136	74	183845	151.407 ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.312	101	219513	152.497 ug/l	99
10) Methyl Iodide	2.441	142	284184	149.795 ug/l	99
11) Tert butyl alcohol	3.014	59	266830	916.880 ug/l	98
12) 1,1-Dichloroethene	2.306	96	211016	159.600 ug/l	96
13) Acrolein	2.239	56	341487	809.350 ug/l	100
14) Allyl chloride	2.654	41	346773	157.465 ug/l	99
15) Acrylonitrile	3.068	53	649783	804.774 ug/l	99
16) Acetone	2.392	43	658120	780.537 ug/l	98
17) Carbon Disulfide	2.495	76	481926	191.754 ug/l	99
18) Methyl Acetate	2.709	43	336516	154.792 ug/l	97
19) Methyl tert-butyl Ether	3.117	73	806360	156.286 ug/l	98
20) Methylene Chloride	2.782	84	236412	149.282 ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	221622	157.719 ug/l	99
22) Diisopropyl ether	3.763	45	751292	151.500 ug/l	98
23) Vinyl Acetate	3.727	43	3464902	859.417 ug/l	99
24) 1,1-Dichloroethane	3.605	63	431006	155.921 ug/l	100
25) 2-Butanone	4.568	43	957709	798.973 ug/l	99
26) 2,2-Dichloropropane	4.465	77	367781	163.773 ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	269708	151.131 ug/l	99
28) Bromochloromethane	4.897	49	200978	148.269 ug/l	100
29) Tetrahydrofuran	5.013	42	602095	782.561 ug/l	99
30) Chloroform	5.092	83	463606	149.274 ug/l	99
31) Cyclohexane	5.458	56	332026	148.745 ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	415253	161.073 ug/l	99
36) 1,1-Dichloropropene	5.684	75	290913	148.642 ug/l	99
37) Ethyl Acetate	4.721	43	376757	155.731 ug/l	99
38) Carbon Tetrachloride	5.672	117	346795	164.587 ug/l	98
39) Methylcyclohexane	7.373	83	368542	157.516 ug/l	99
40) Benzene	6.031	78	887413	149.340 ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044224.D
Acq On : 11 Dec 2024 13:00
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Dec 12 04:16:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	199851	155.569 ug/l	99
42) 1,2-Dichloroethane	6.086	62	369874	151.105 ug/l	100
43) Isopropyl Acetate	6.342	43	617107	163.200 ug/l	99
44) Trichloroethene	7.123	130	224164	151.275 ug/l	100
45) 1,2-Dichloropropane	7.427	63	224224	147.697 ug/l	96
46) Dibromomethane	7.580	93	184590	156.728 ug/l	99
47) Bromodichloromethane	7.818	83	352904	173.496 ug/l	98
48) Methyl methacrylate	7.696	41	292890	159.567 ug/l	98
49) 1,4-Dioxane	7.665	88	111023	3539.235 ug/l #	88
51) 4-Methyl-2-Pentanone	8.580	43	1907523	784.573 ug/l	99
52) Toluene	8.714	92	557102	149.294 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	366275	150.167 ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	382226	172.581 ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	222665	150.202 ug/l	98
56) Ethyl methacrylate	9.116	69	389165	166.289 ug/l	99
57) 1,3-Dichloropropane	9.305	76	387086	150.014 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	970949	822.575 ug/l	100
59) 2-Hexanone	9.433	43	1436300	816.161 ug/l	99
60) Dibromochloromethane	9.525	129	261253	150.105 ug/l	99
61) 1,2-Dibromoethane	9.610	107	242451	160.674 ug/l	97
64) Tetrachloroethene	9.269	164	186443	147.836 ug/l	98
65) Chlorobenzene	10.079	112	608404	149.428 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	218515	166.991 ug/l	100
67) Ethyl Benzene	10.195	91	1068736	151.917 ug/l	98
68) m/p-Xylenes	10.299	106	806058	312.254 ug/l	98
69) o-Xylene	10.640	106	397084	152.030 ug/l	98
70) Styrene	10.652	104	670887	160.228 ug/l	98
71) Bromoform	10.799	173	169450	150.034 ug/l #	99
73) Isopropylbenzene	10.963	105	1021749	146.832 ug/l	99
74) N-amyl acetate	10.841	43	536496	166.823 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	352591	145.883 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	400724	194.277 ug/l	85
77) Bromobenzene	11.201	156	243975	144.584 ug/l	100
78) n-propylbenzene	11.305	91	1166255	151.637 ug/l	98
79) 2-Chlorotoluene	11.366	91	700673	140.866 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	853042	147.824 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	117263	152.670 ug/l	93
82) 4-Chlorotoluene	11.451	91	825278	149.831 ug/l	99
83) tert-Butylbenzene	11.713	119	846864	148.495 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	846771	149.414 ug/l	100
85) sec-Butylbenzene	11.890	105	1034419	149.409 ug/l	99
86) p-Isopropyltoluene	12.006	119	875562	151.944 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	443826	150.575 ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	442556	146.058 ug/l	99
89) n-Butylbenzene	12.329	91	808399	166.836 ug/l	100
90) Hexachloroethane	12.536	117	154726	183.942 ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	447931	146.357 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	83565	178.106 ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	288519	171.952 ug/l	98
94) Hexachlorobutadiene	13.725	225	103961	154.036 ug/l	98
95) Naphthalene	13.774	128	1094997	167.187 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	293760	165.064 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044224.D
Acq On : 11 Dec 2024 13:00
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Dec 12 04:16:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

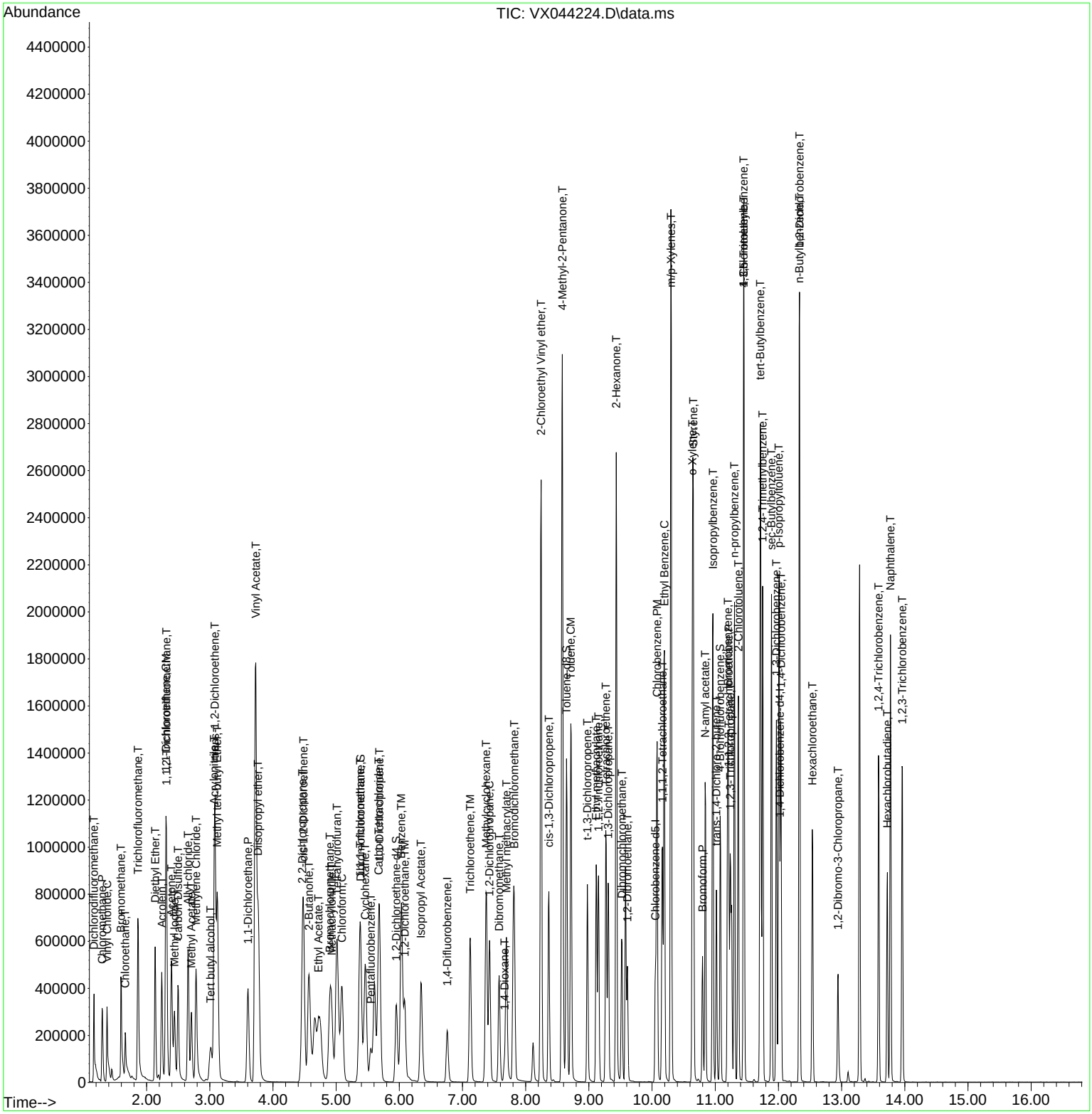
(#) = qualifier out of range (m) = manual integration (+) = signals summed

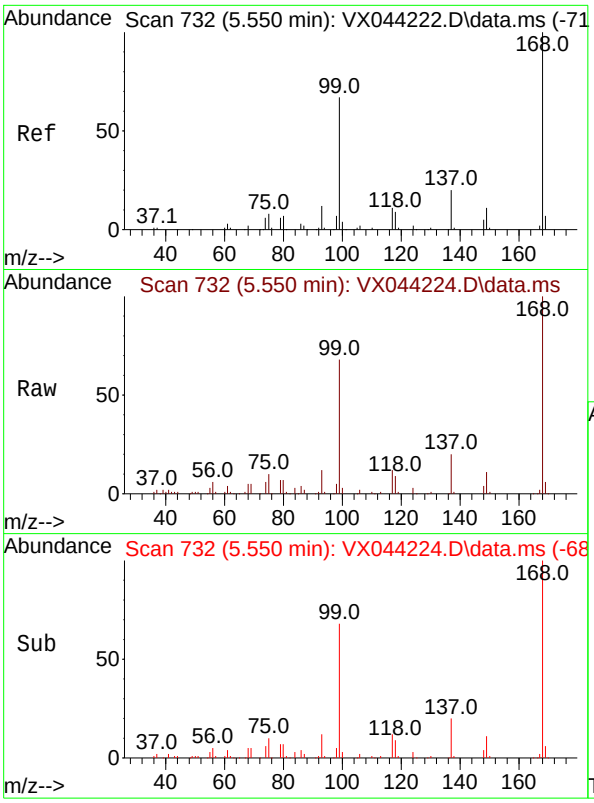
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044224.D
Acq On : 11 Dec 2024 13:00
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Dec 12 04:16:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration



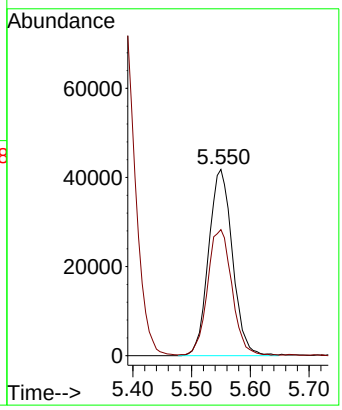


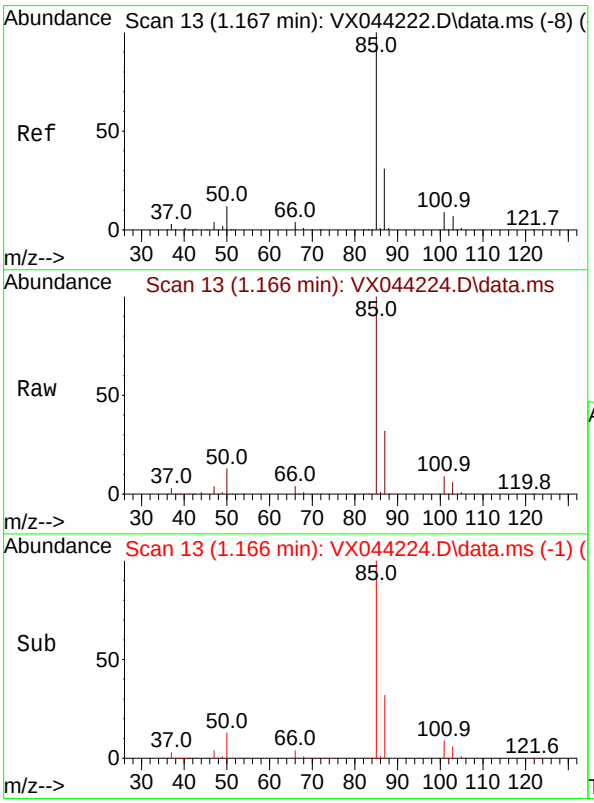
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 117957

Ion	Ratio	Lower	Upper
168	100		
99	67.2	53.4	80.0

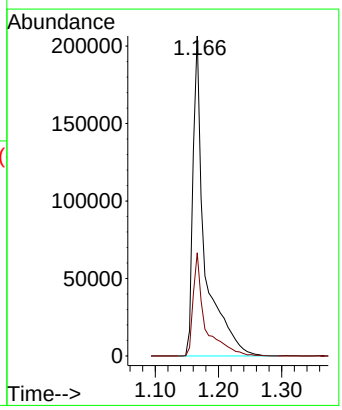


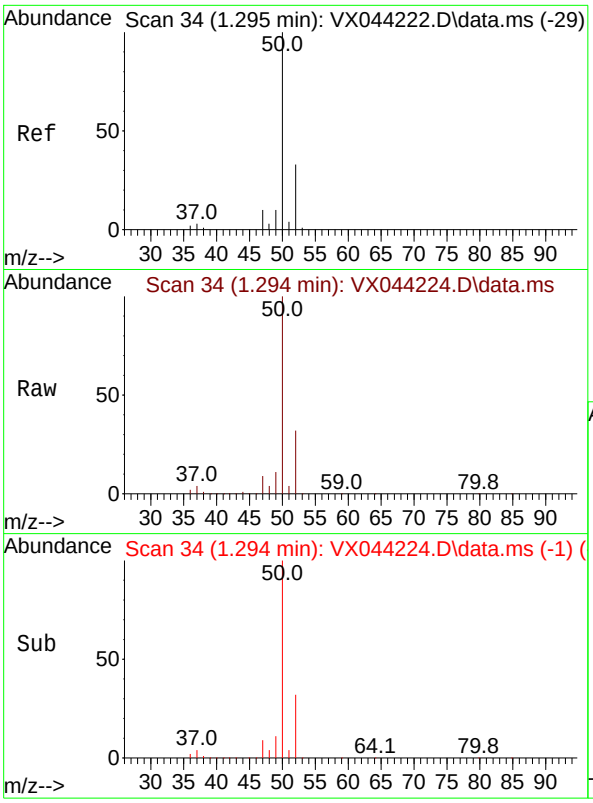


#2
Dichlorodifluoromethane
Concen: 147.342 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 85 Resp: 268739

Ion	Ratio	Lower	Upper
85	100		
87	32.2	15.4	46.4



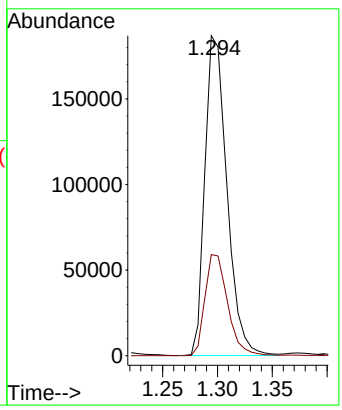


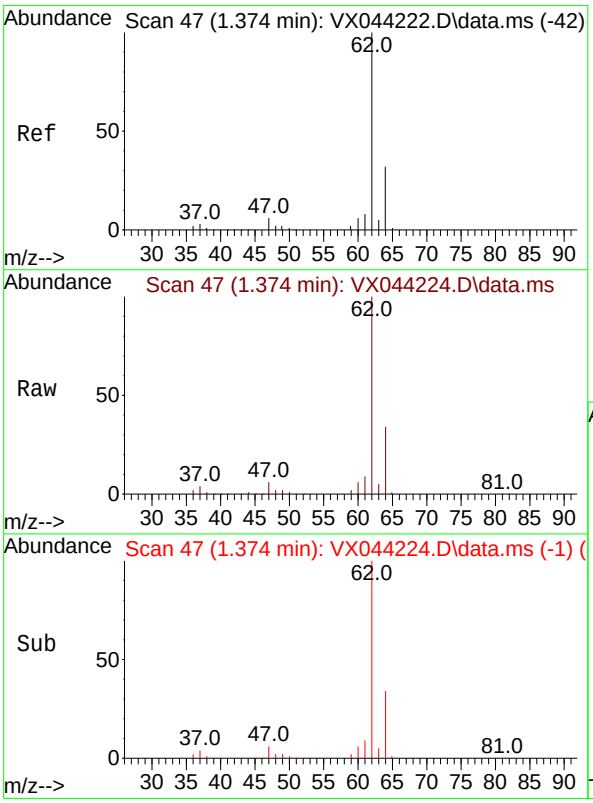
#3
Chloromethane
Concen: 150.062 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 261734

Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.5	39.7

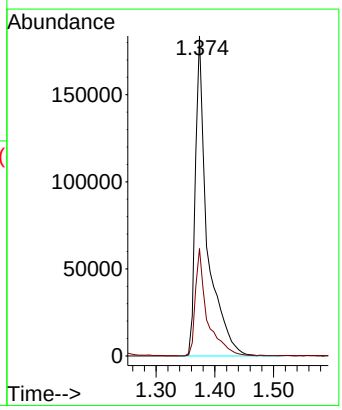


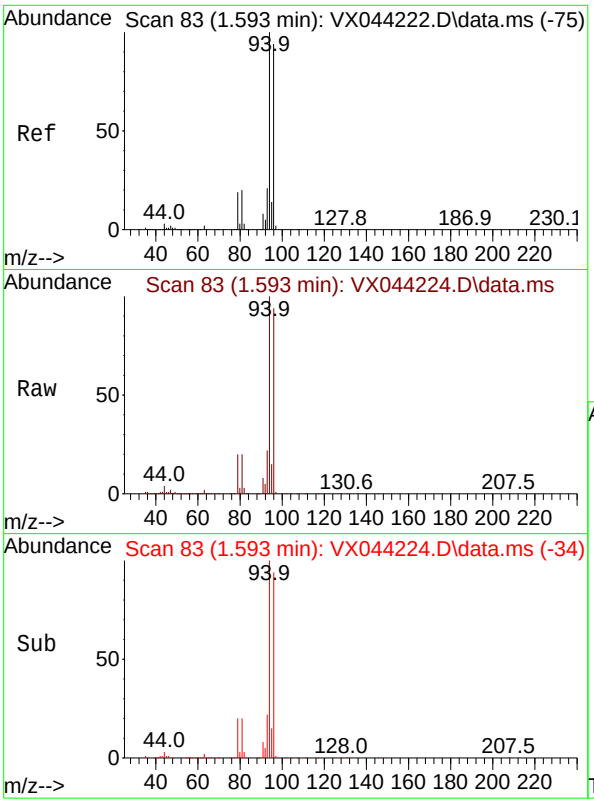


#4
Vinyl Chloride
Concen: 143.446 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 62 Resp: 260651

Ion	Ratio	Lower	Upper
62	100		
64	33.5	25.7	38.5



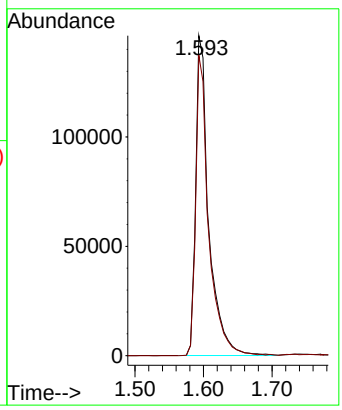


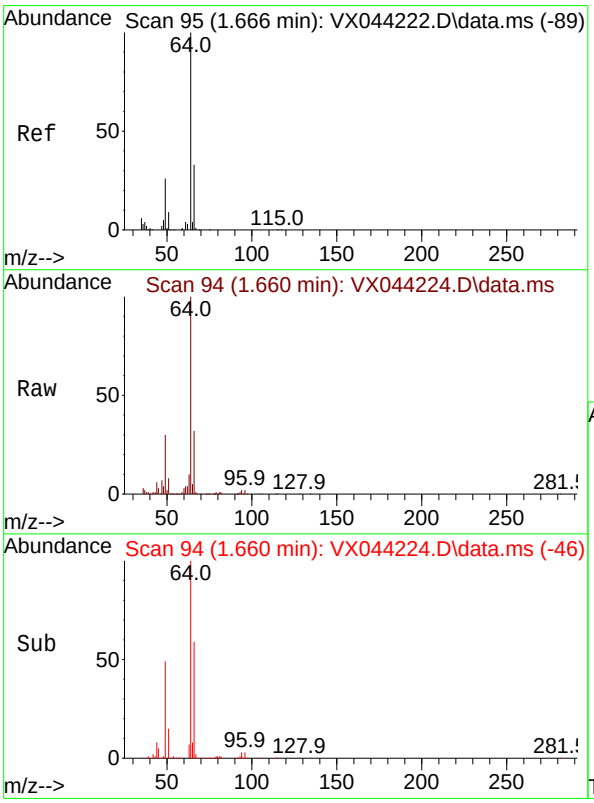
#5
Bromomethane
Concen: 150.562 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 194089

Ion	Ratio	Lower	Upper
94	100		
96	94.0	74.9	112.3

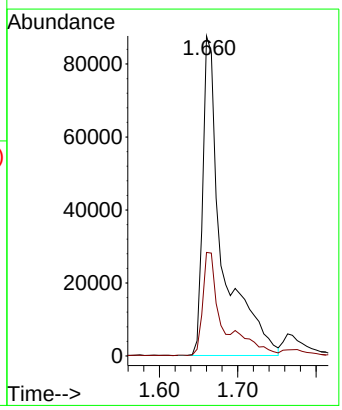


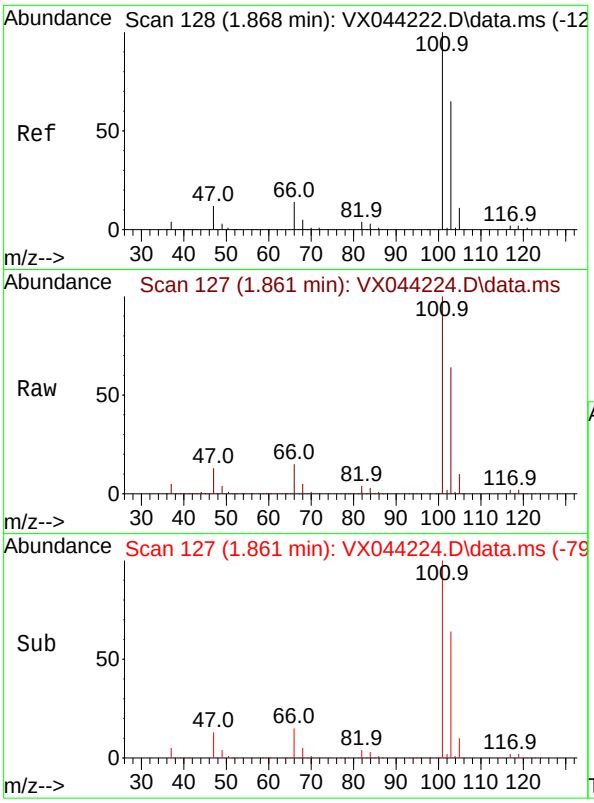


#6
Chloroethane
Concen: 133.137 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 64 Resp: 150640

Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.6	39.8



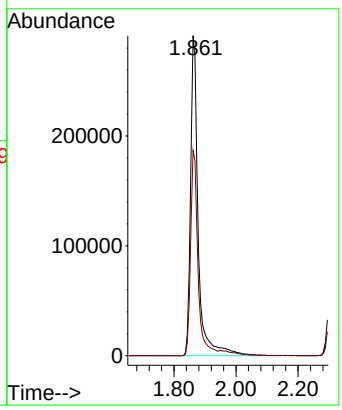


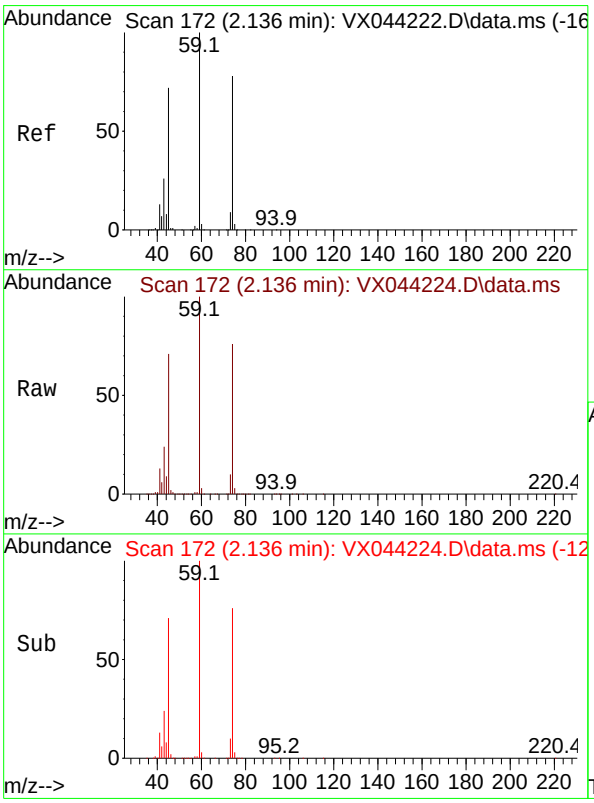
#7
Trichlorofluoromethane
Concen: 140.645 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 500315

Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.8	77.8

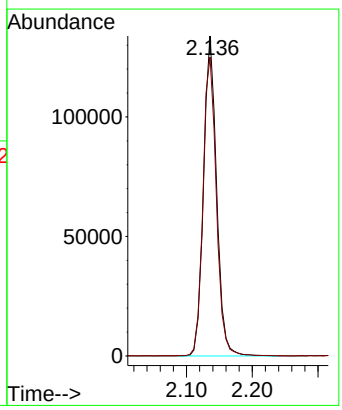


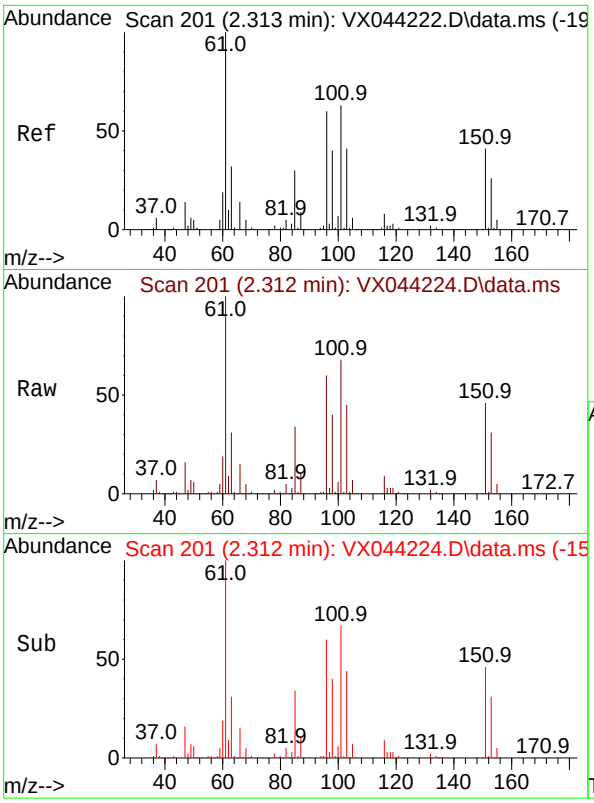


#8
Diethyl Ether
Concen: 151.407 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 74 Resp: 183845

Ion	Ratio	Lower	Upper
74	100		
45	96.6	48.4	145.0



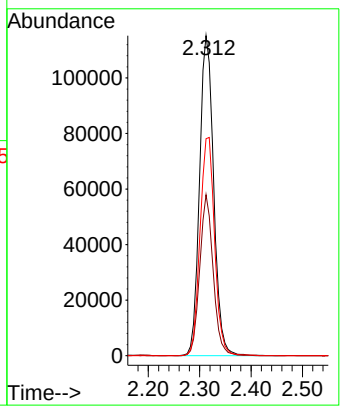


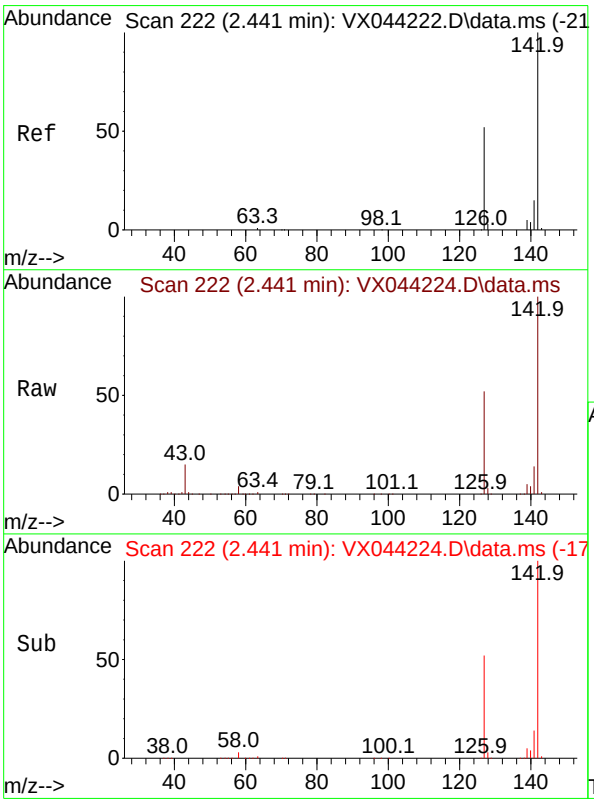
#9
1,1,2-Trichlorotrifluoroethane
Concen: 152.497 ug/l
RT: 2.312 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 219513

Ion	Ratio	Lower	Upper
101	100		
85	47.8	38.5	57.7
151	70.5	55.8	83.6

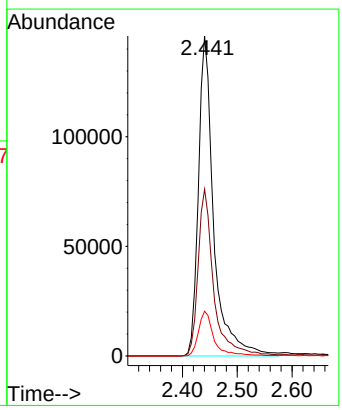


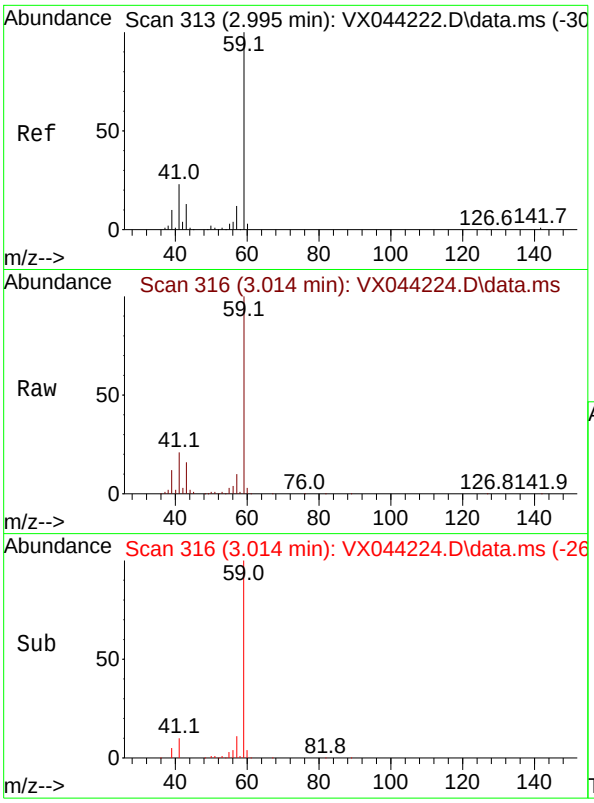


#10
Methyl Iodide
Concen: 149.795 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:142 Resp: 284184

Ion	Ratio	Lower	Upper
142	100		
127	52.8	41.8	62.8
141	14.2	11.5	17.3



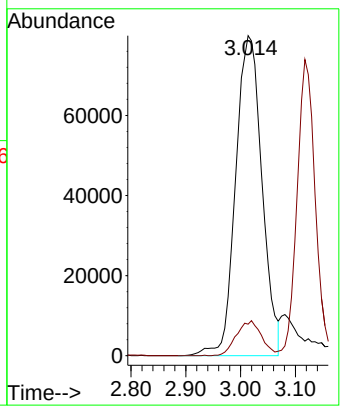


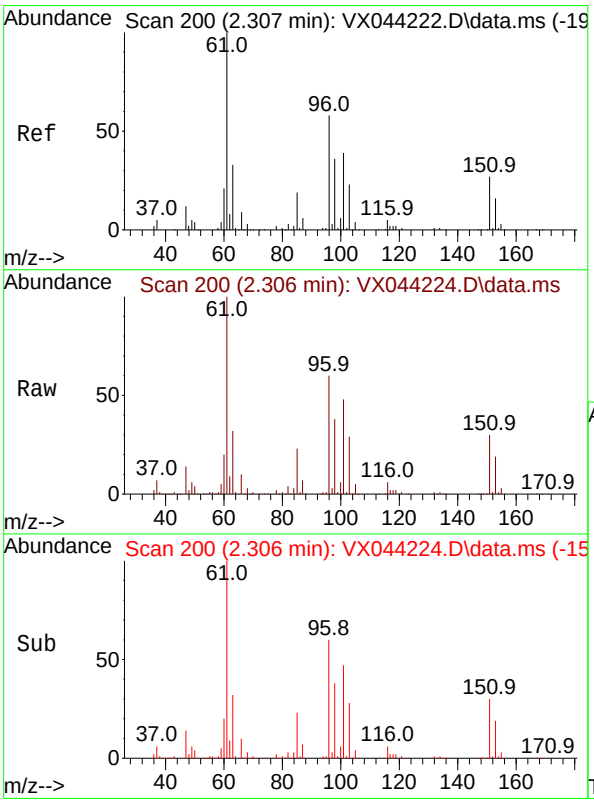
#11
Tert butyl alcohol
Concen: 916.880 ug/l
RT: 3.014 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 266830

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.8	13.2

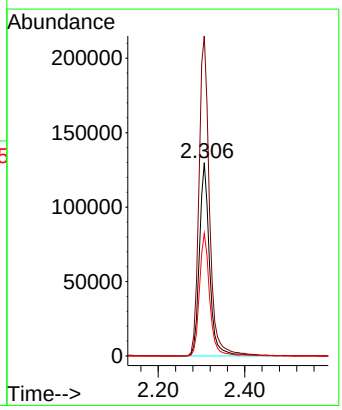


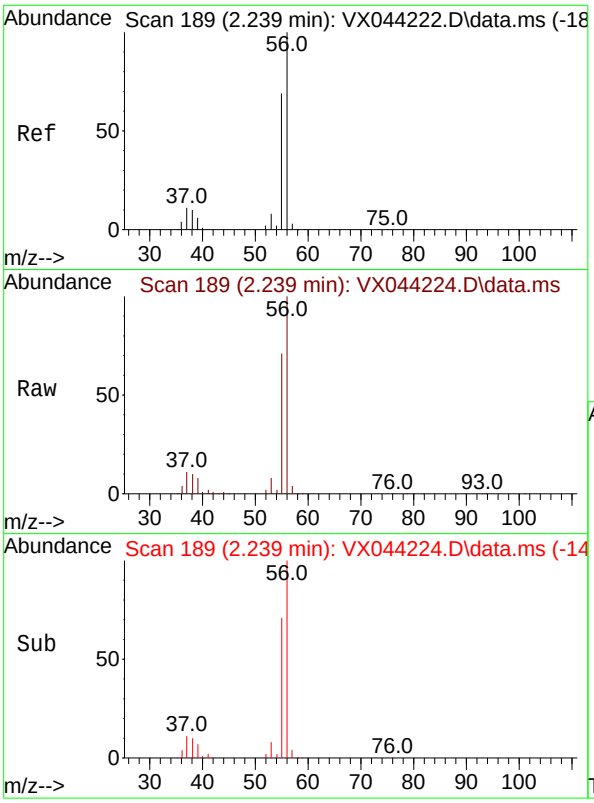


#12
1,1-Dichloroethene
Concen: 159.600 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 96 Resp: 211016

Ion	Ratio	Lower	Upper
96	100		
61	165.6	138.0	207.0
98	63.5	50.0	75.0



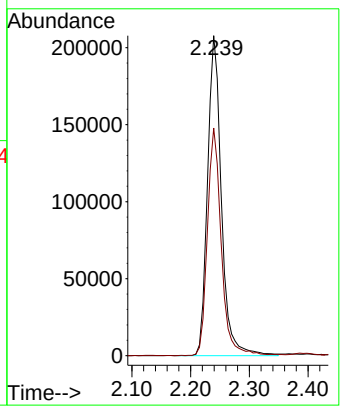


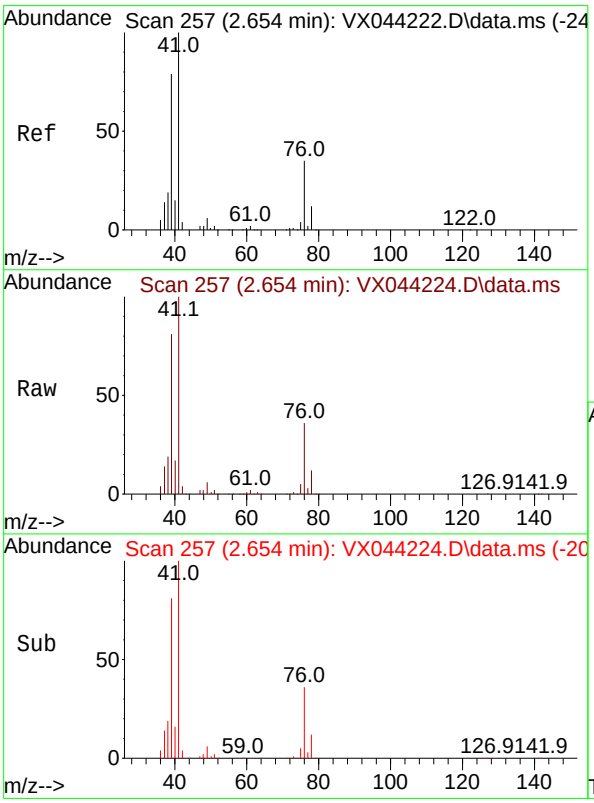
#13
Acrolein
Concen: 809.350 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 341487

Ion	Ratio	Lower	Upper
56	100		
55	70.8	56.6	84.8

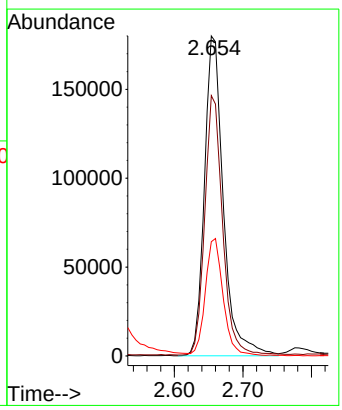


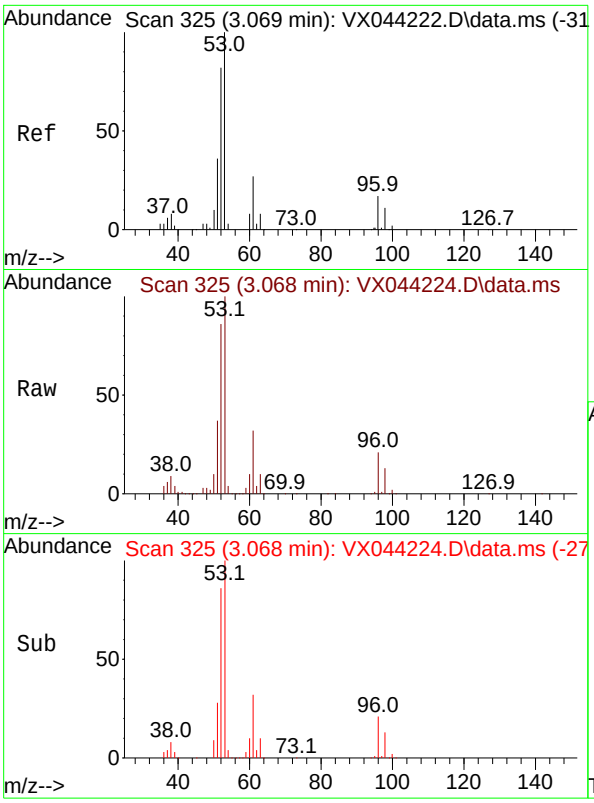


#14
Allyl chloride
Concen: 157.465 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 41 Resp: 346773

Ion	Ratio	Lower	Upper
41	100		
39	76.1	61.9	92.9
76	34.5	27.4	41.2



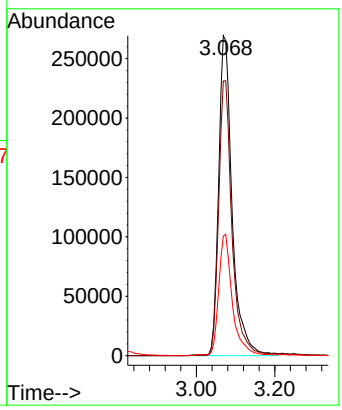


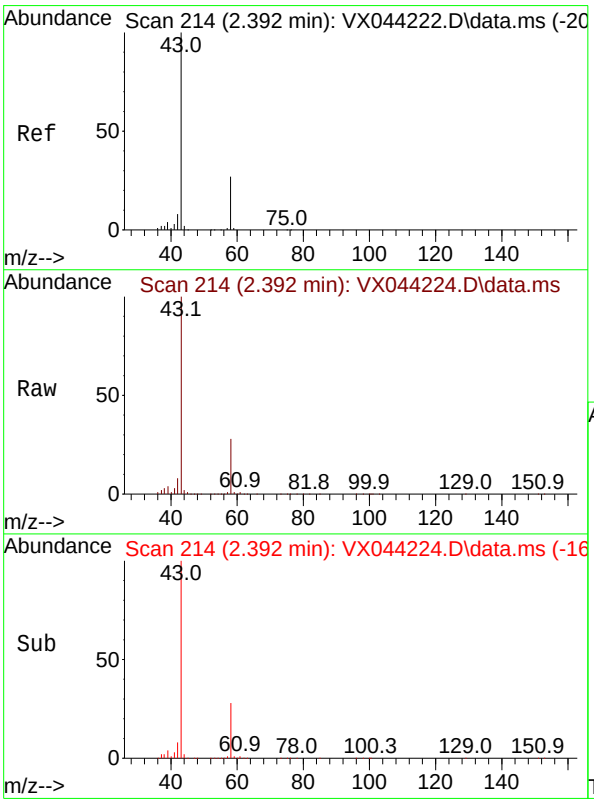
#15
Acrylonitrile
Concen: 804.774 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 649783

Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.4	101.0
51	37.0	30.3	45.5

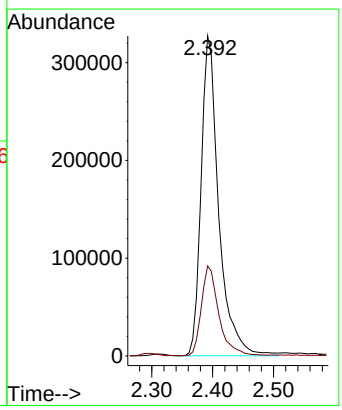


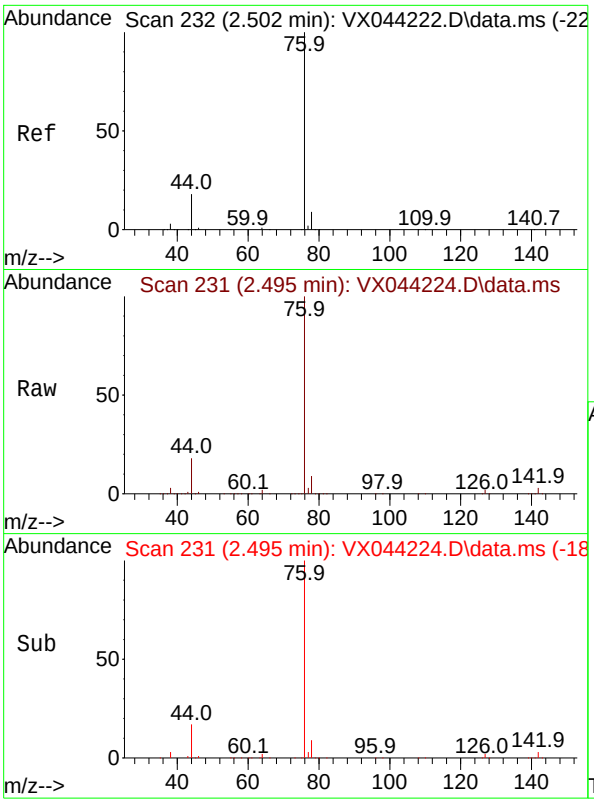


#16
Acetone
Concen: 780.537 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 658120

Ion	Ratio	Lower	Upper
43	100		
58	28.1	21.6	32.4



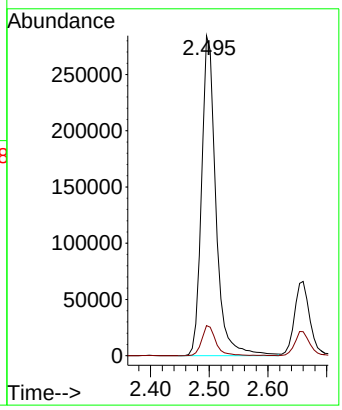


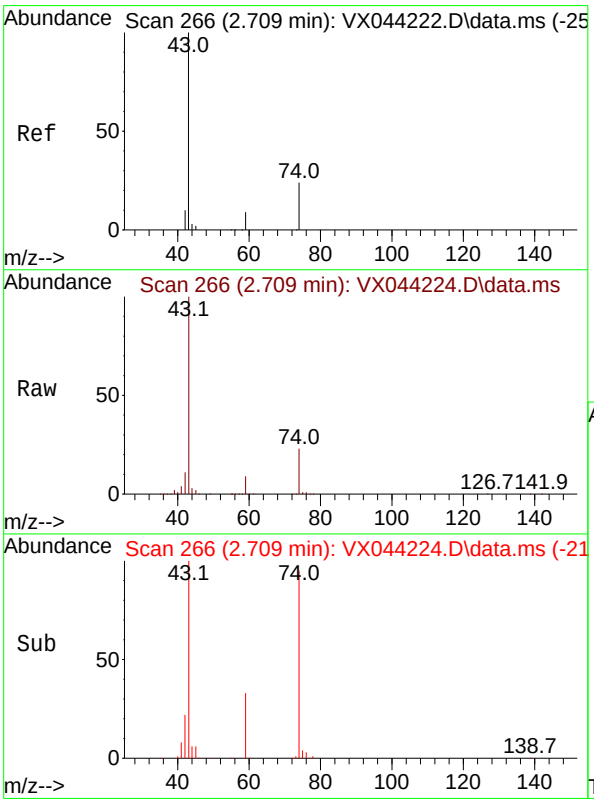
#17
Carbon Disulfide
Concen: 191.754 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 481926

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

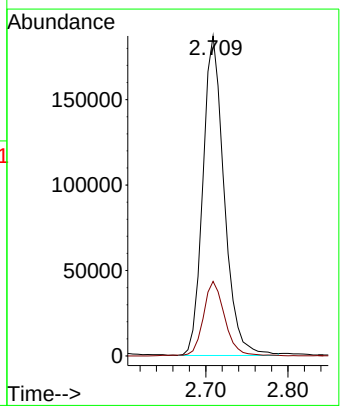


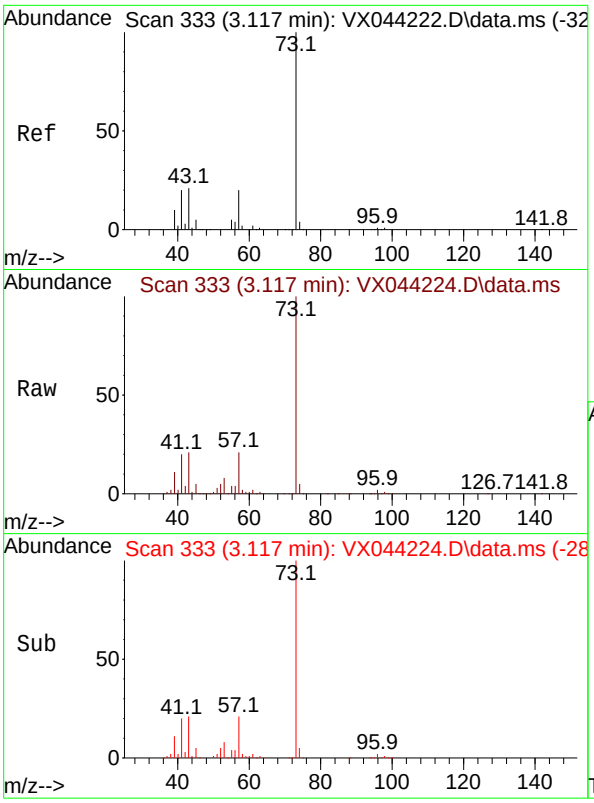


#18
Methyl Acetate
Concen: 154.792 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 336516

Ion	Ratio	Lower	Upper
43	100		
74	23.7	17.7	26.5



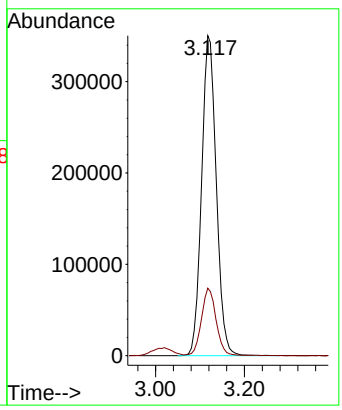


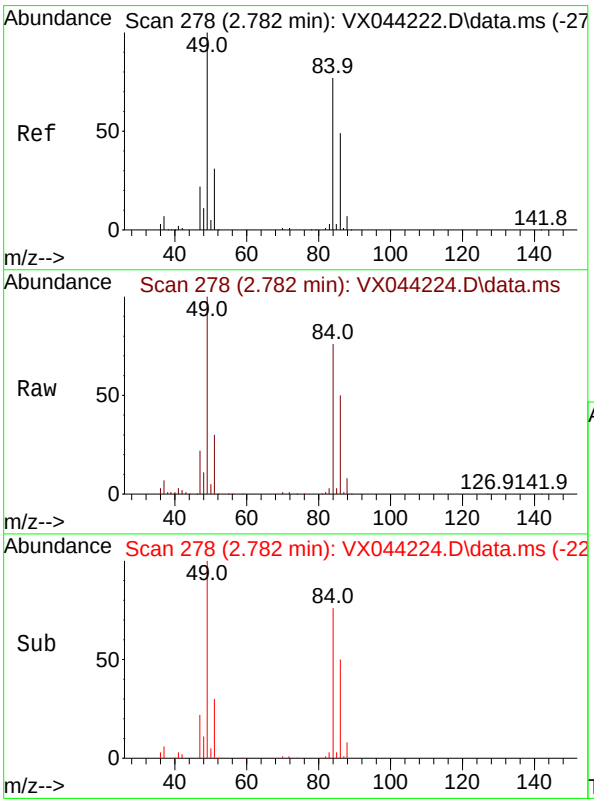
#19
Methyl tert-butyl Ether
Concen: 156.286 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 806360

Ion	Ratio	Lower	Upper
73	100		
57	21.1	16.2	24.4

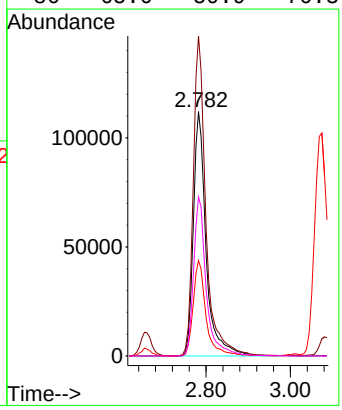


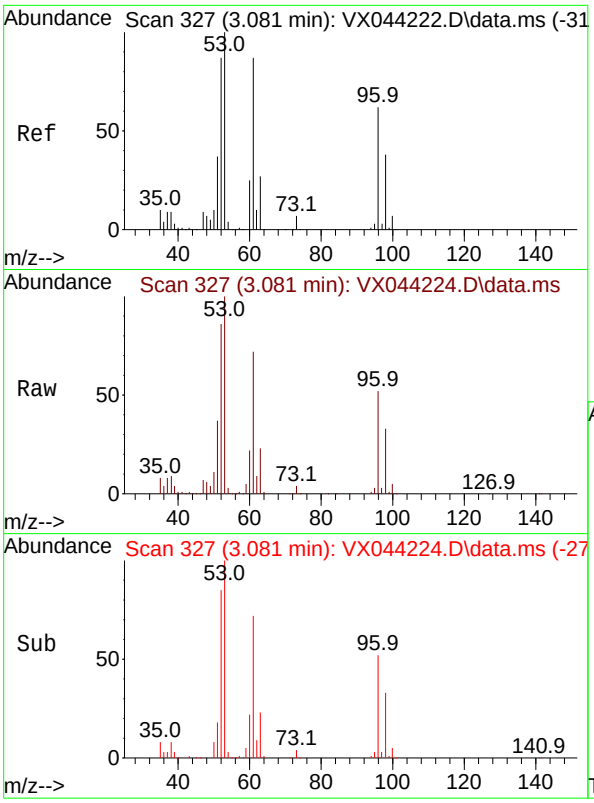


#20
Methylene Chloride
Concen: 149.282 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 84 Resp: 236412

Ion	Ratio	Lower	Upper
84	100		
49	130.9	104.2	156.4
51	39.1	32.2	48.4
86	65.0	50.9	76.3



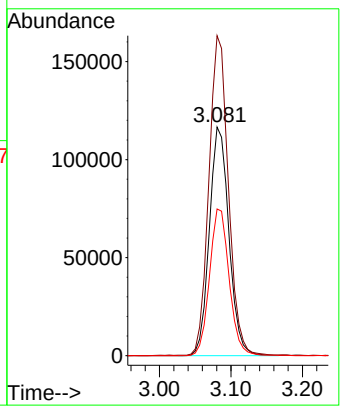


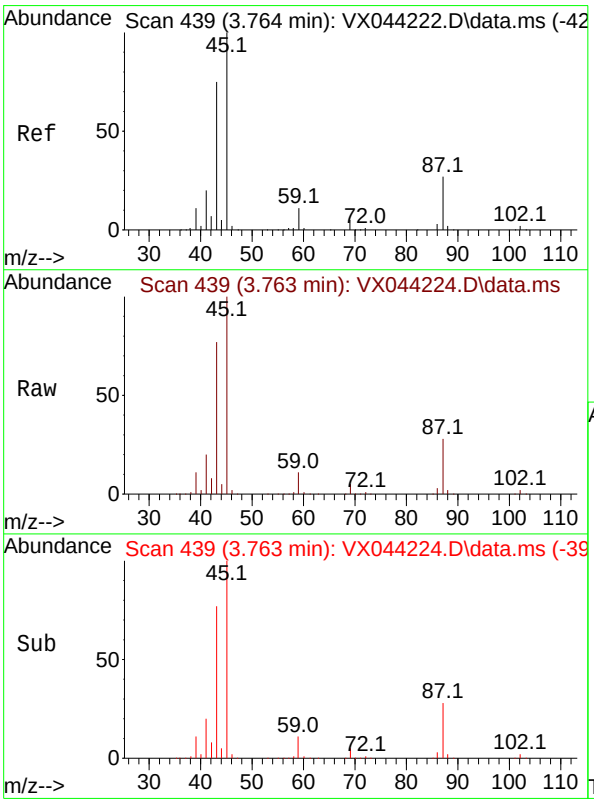
#21
trans-1,2-Dichloroethene
Concen: 157.719 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 221622

Ion	Ratio	Lower	Upper
96	100		
61	139.7	112.0	168.0
98	64.2	48.8	73.2

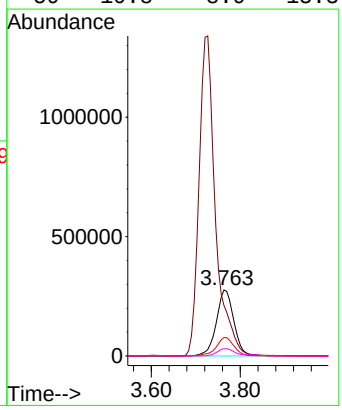


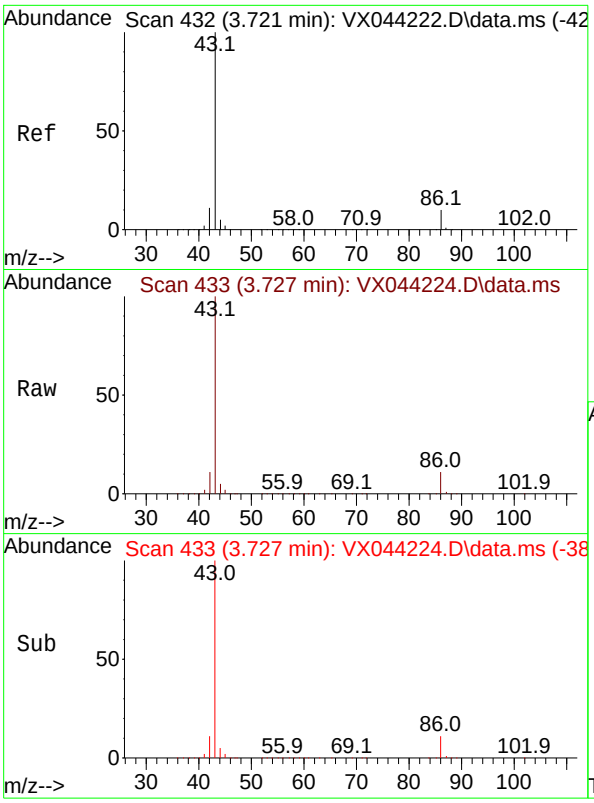


#22
Diisopropyl ether
Concen: 151.500 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 45 Resp: 751292

Ion	Ratio	Lower	Upper
45	100		
43	76.6	60.2	90.2
87	28.0	21.2	31.8
59	10.8	8.9	13.3



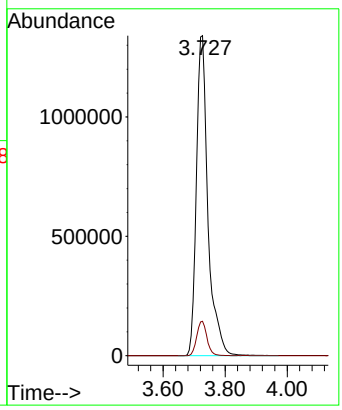


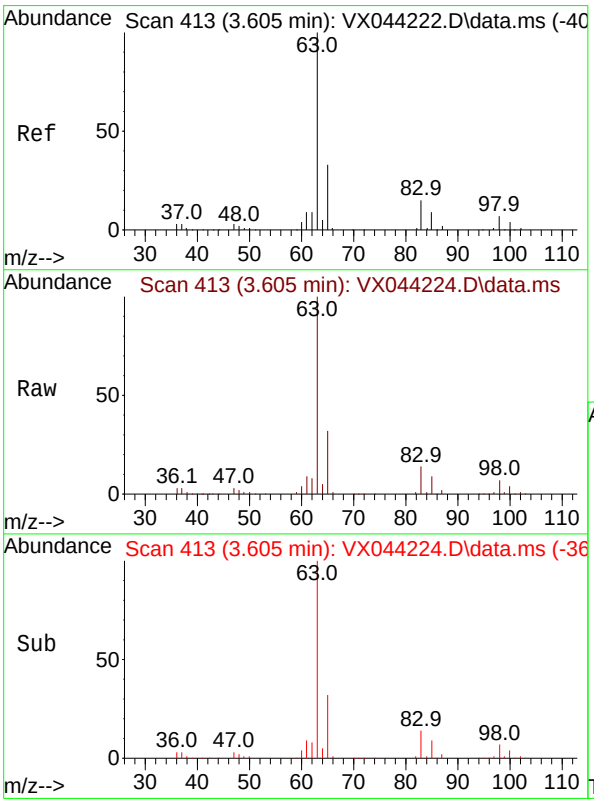
#23
Vinyl Acetate
Concen: 859.417 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 3464902

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.2	12.2

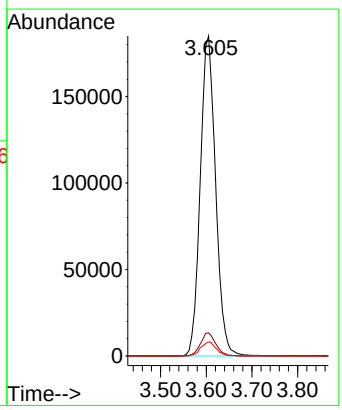


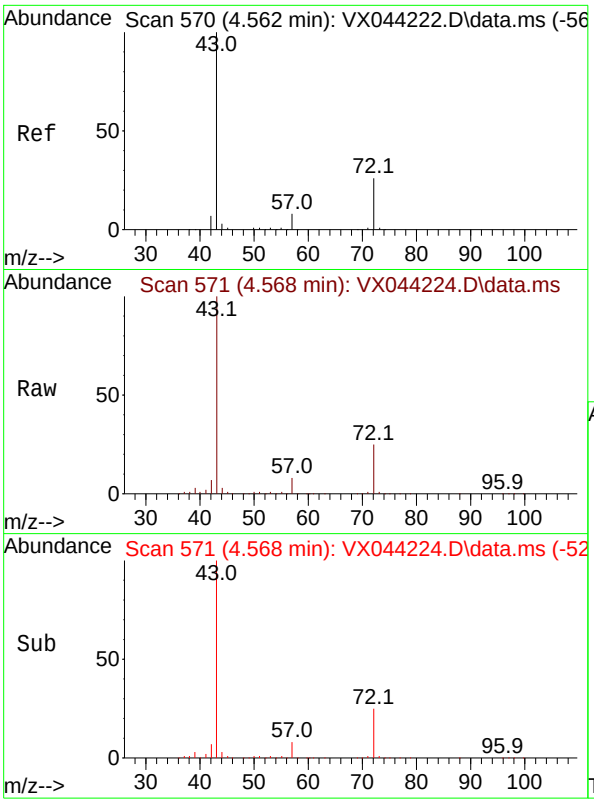


#24
1,1-Dichloroethane
Concen: 155.921 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 63 Resp: 431006

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.6	10.8
100	4.4	2.1	6.3



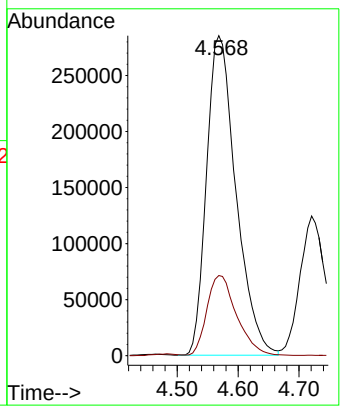


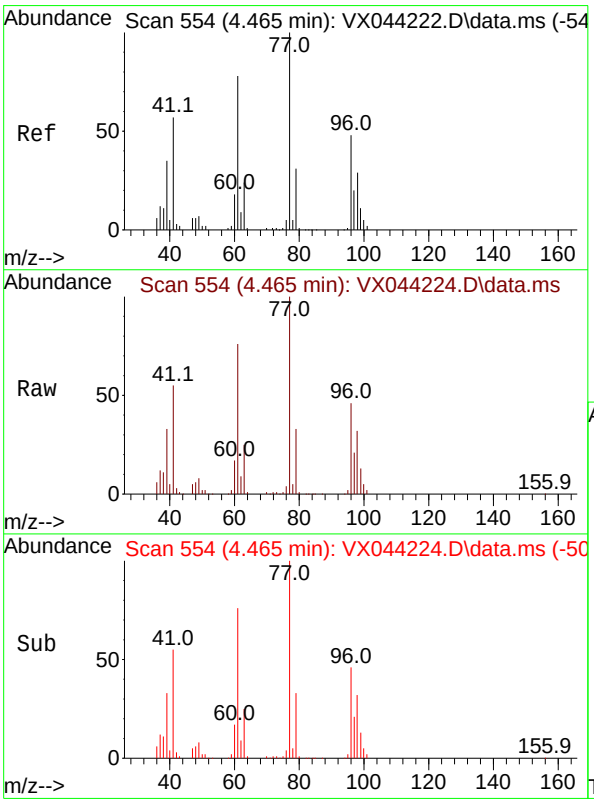
#25
2-Butanone
Concen: 798.973 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 957709

Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.2	30.4

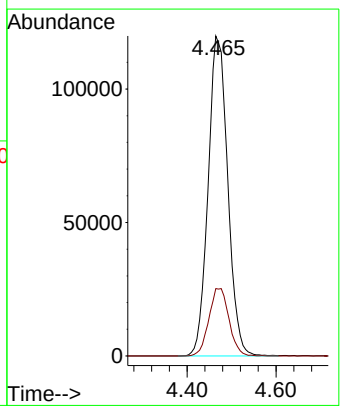


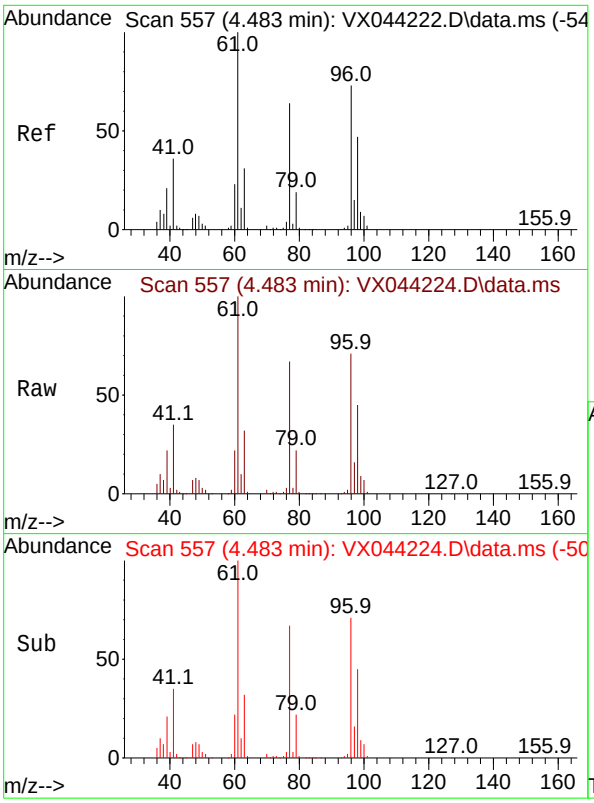


#26
2,2-Dichloropropane
Concen: 163.773 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 77 Resp: 367781

Ion	Ratio	Lower	Upper
77	100		
97	21.6	10.7	32.1



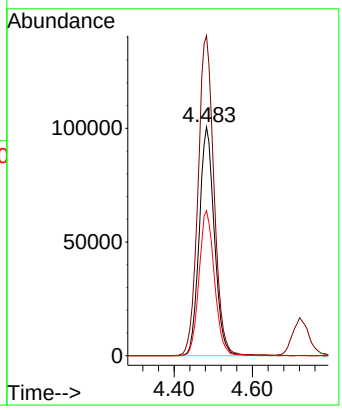


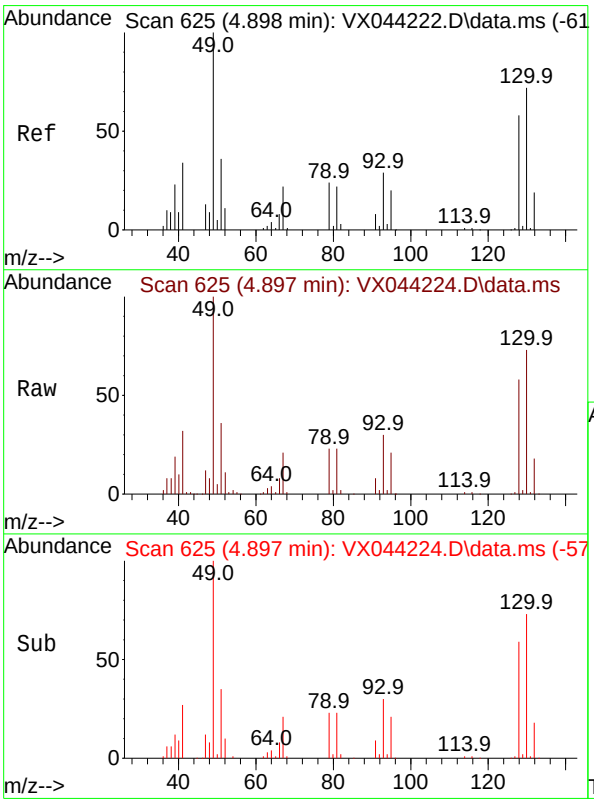
#27
cis-1,2-Dichloroethene
Concen: 151.131 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 269708

Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	299.0
98	64.7	0.0	129.0

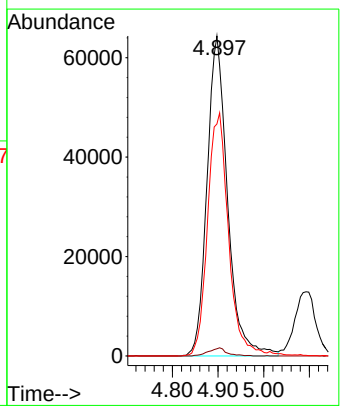


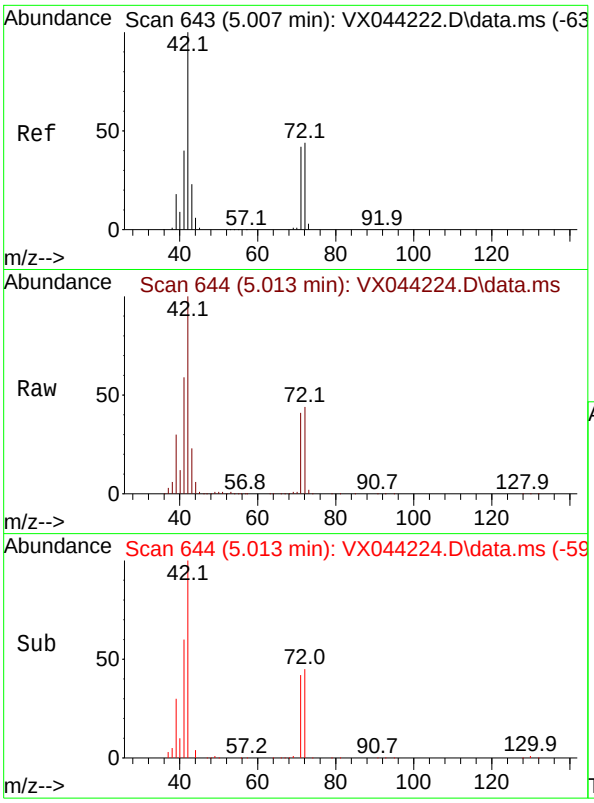


#28
Bromochloromethane
Concen: 148.269 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 49 Resp: 200978

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	77.2	62.1	93.1



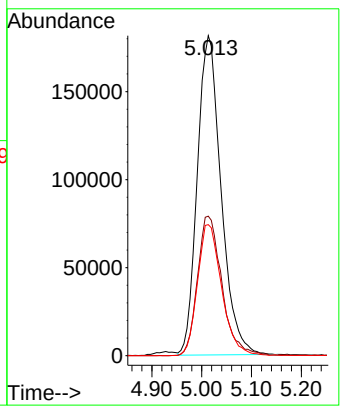


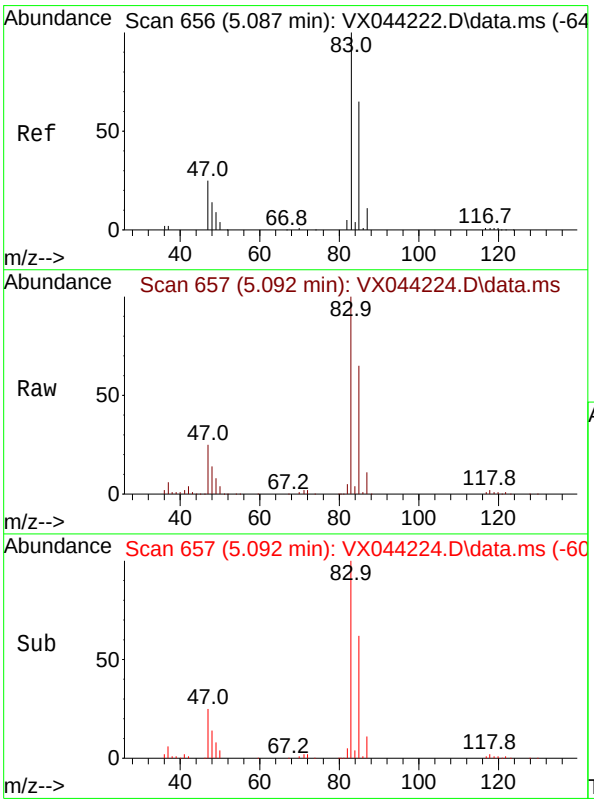
#29
Tetrahydrofuran
Concen: 782.561 ug/l
RT: 5.013 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 602095

Ion	Ratio	Lower	Upper
42	100		
72	44.8	37.0	55.6
71	41.7	33.6	50.4

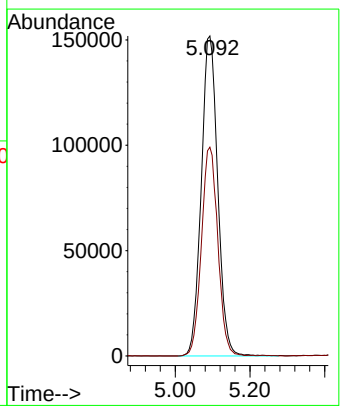


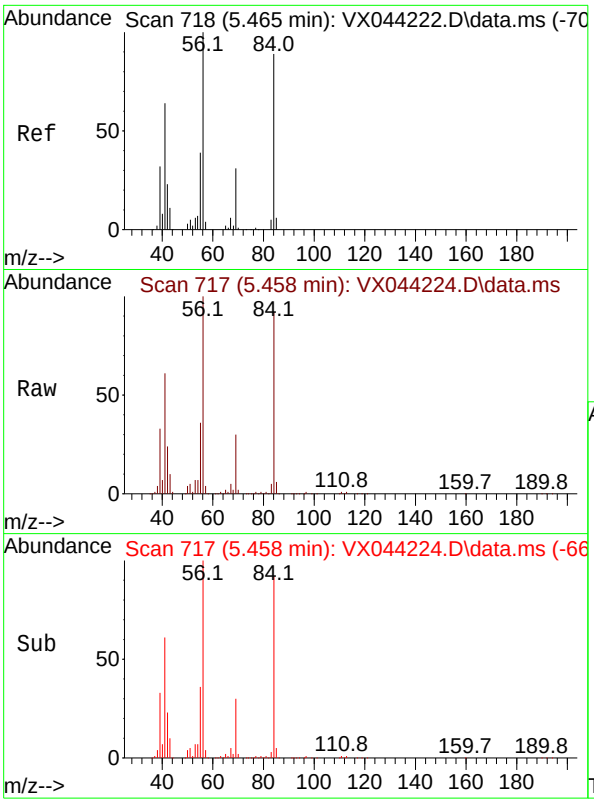


#30
Chloroform
Concen: 149.274 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 83 Resp: 463606

Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.6	77.4



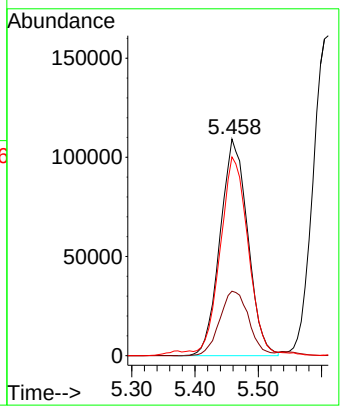


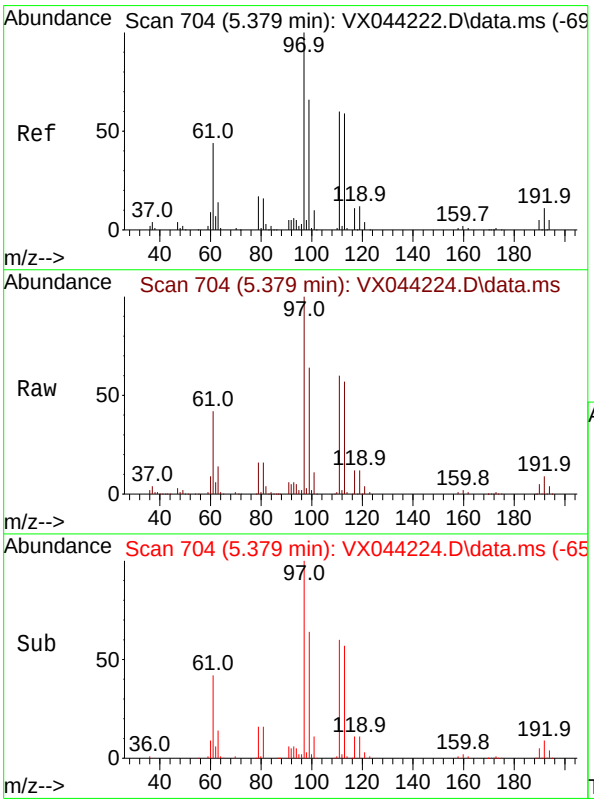
#31
Cyclohexane
Concen: 148.745 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 332026

Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.7	37.1
84	90.1	71.0	106.6

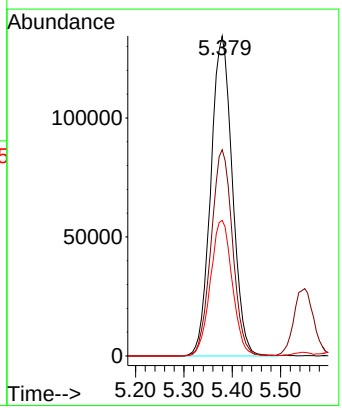


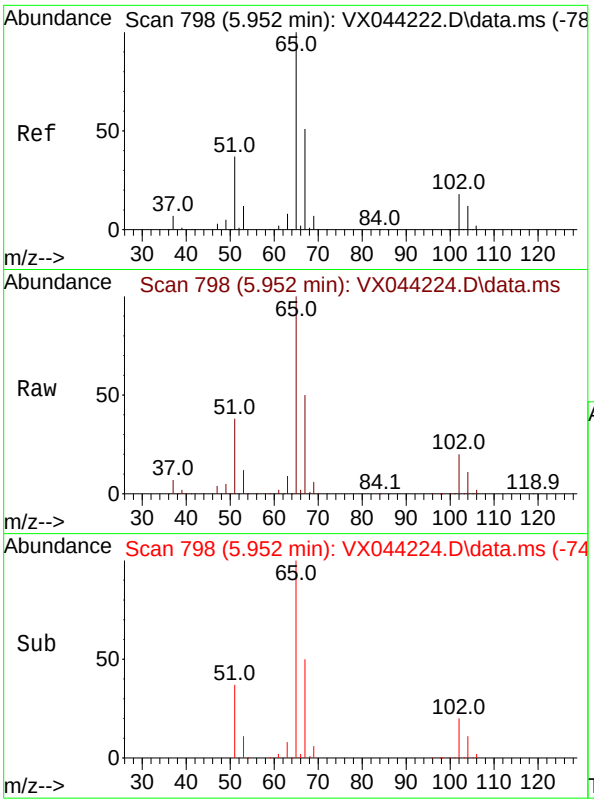


#32
1,1,1-Trichloroethane
Concen: 161.073 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 97 Resp: 415253

Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.8	76.2
61	43.2	35.2	52.8



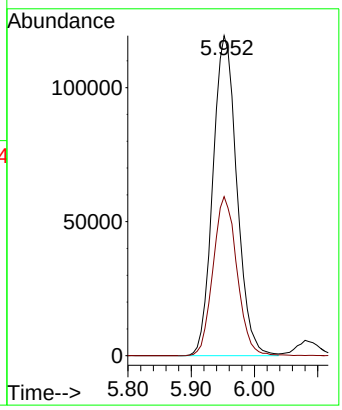


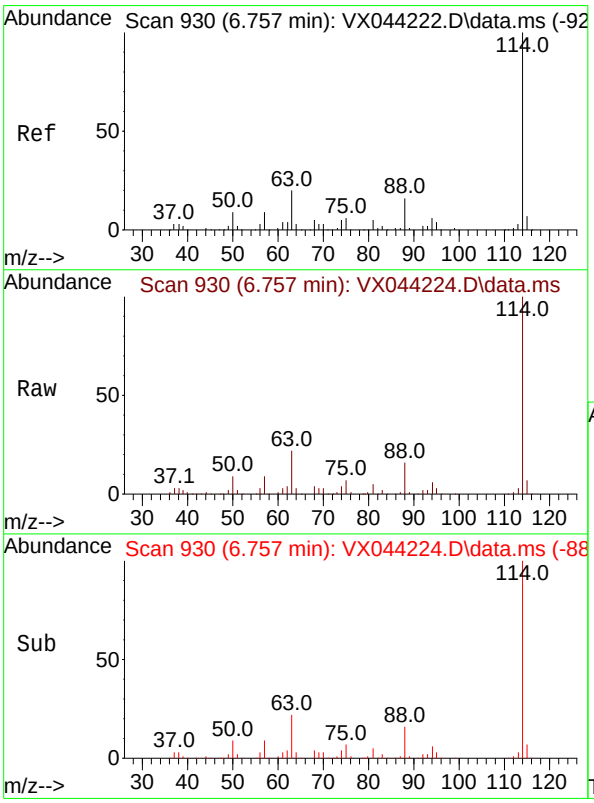
#33
1,2-Dichloroethane-d4
Concen: 151.956 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 314272

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	101.6

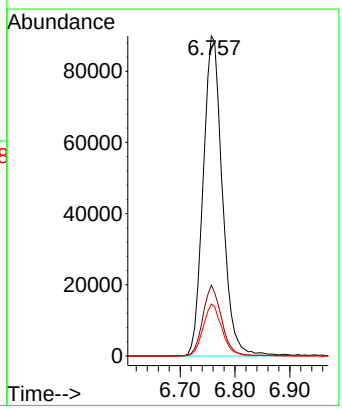


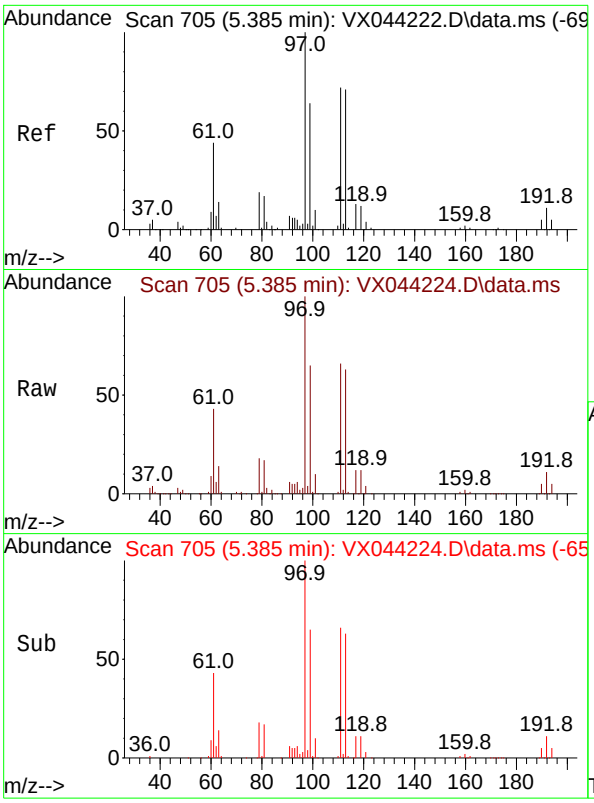


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:114 Resp: 218610

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	40.6
88	16.2	0.0	31.8



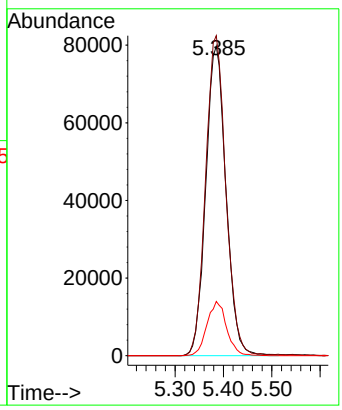


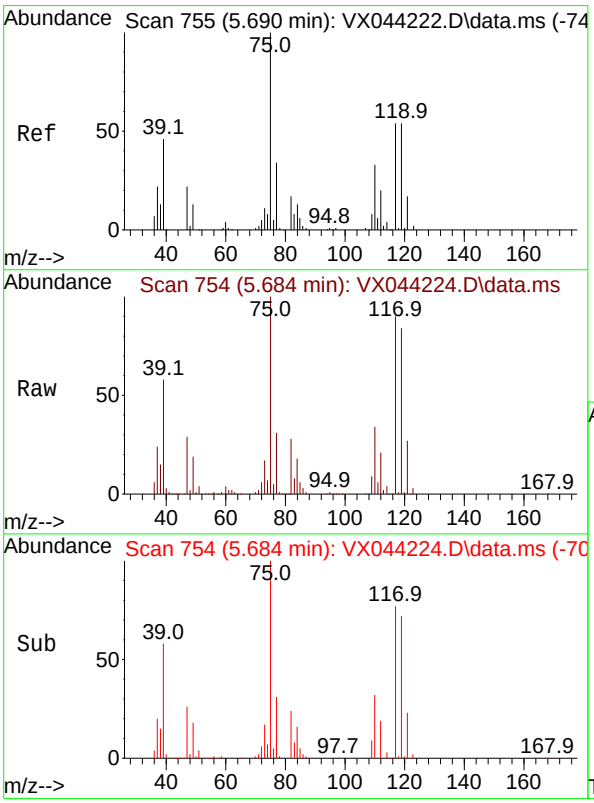
#35
Dibromofluoromethane
Concen: 153.188 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 231937

Ion	Ratio	Lower	Upper
113	100		
111	103.1	80.4	120.6
192	17.0	13.3	19.9

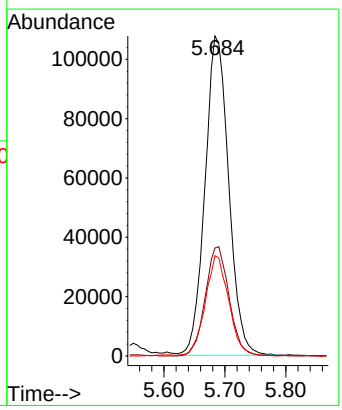


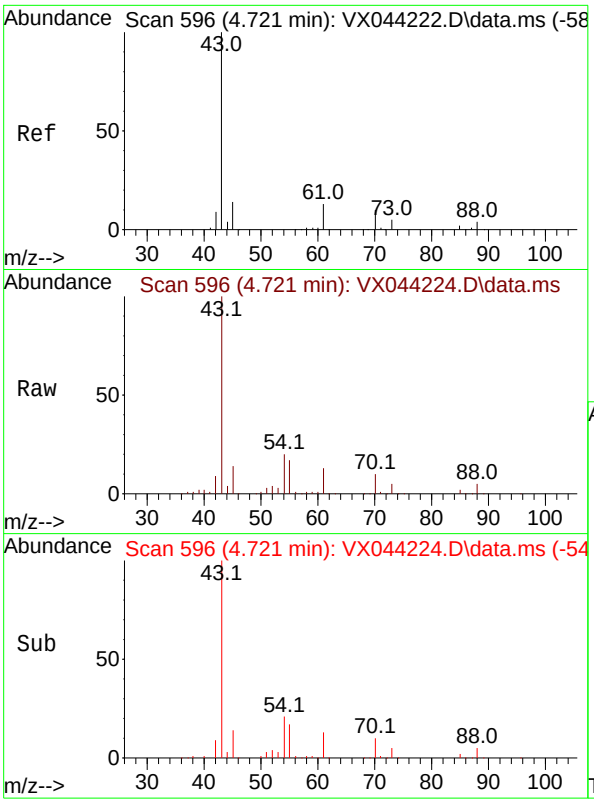


#36
1,1-Dichloropropene
Concen: 148.642 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 75 Resp: 290913

Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.3	51.7
77	31.1	25.4	38.0



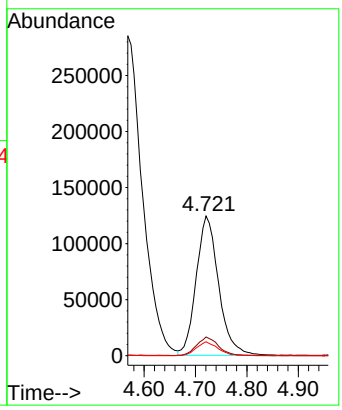


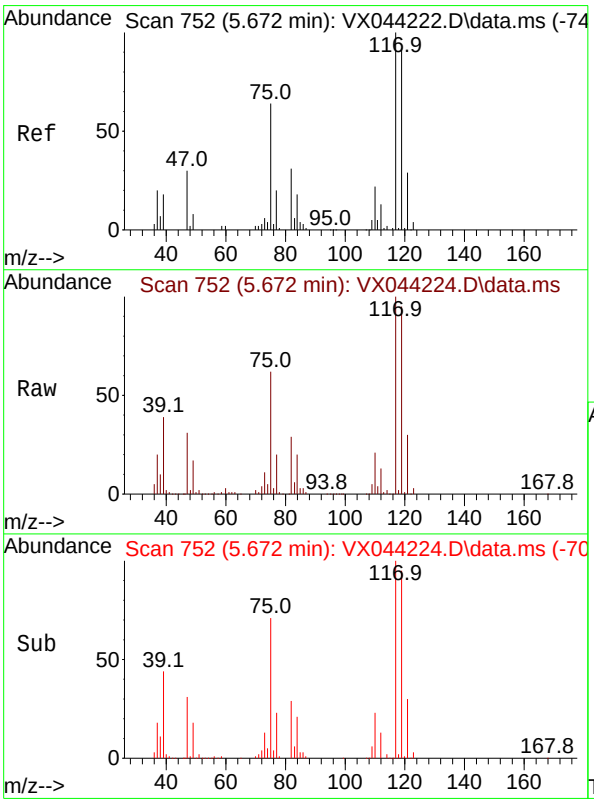
#37
Ethyl Acetate
Concen: 155.731 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 376757

Ion	Ratio	Lower	Upper
43	100		
61	13.2	9.8	14.8
70	9.6	7.7	11.5

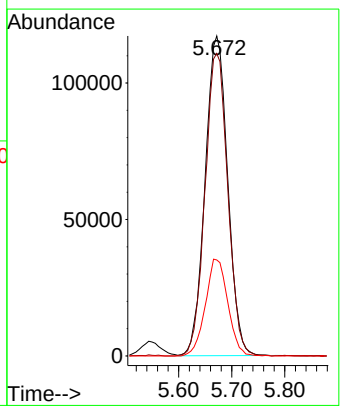


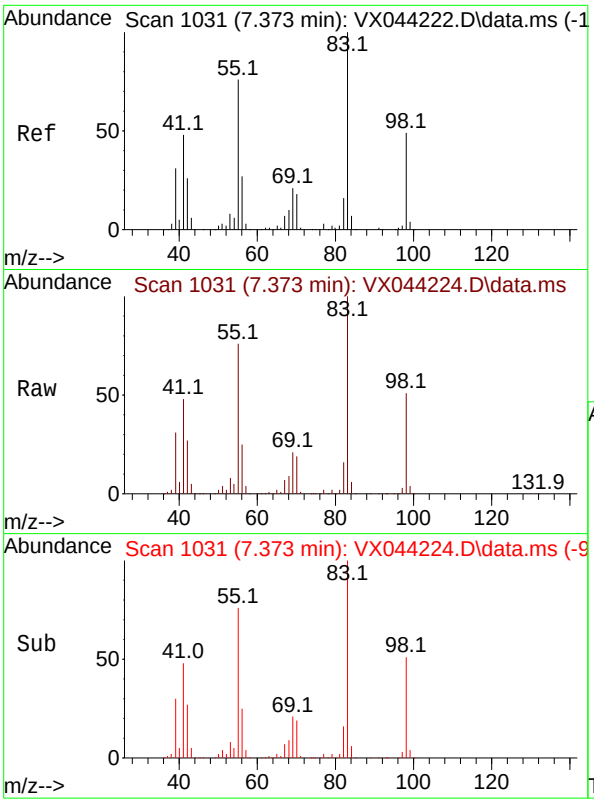


#38
Carbon Tetrachloride
Concen: 164.587 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:117 Resp: 346795

Ion	Ratio	Lower	Upper
117	100		
119	94.6	74.2	111.4
121	30.1	23.0	34.6



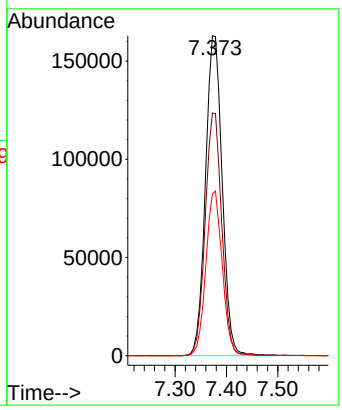


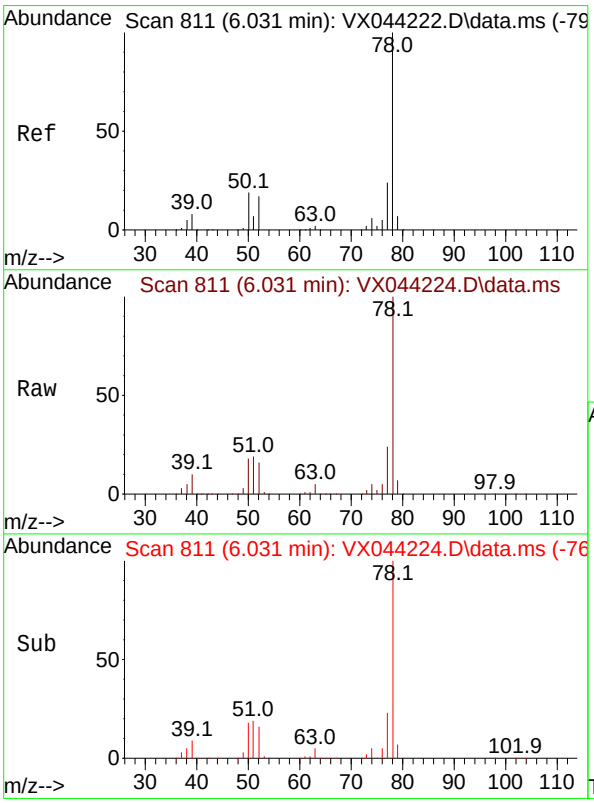
#39
Methylcyclohexane
Concen: 157.516 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 368542

Ion	Ratio	Lower	Upper
83	100		
55	75.8	60.7	91.1
98	50.5	38.9	58.3

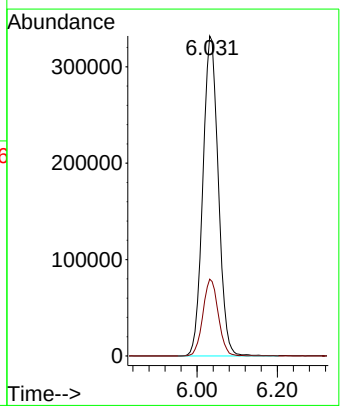


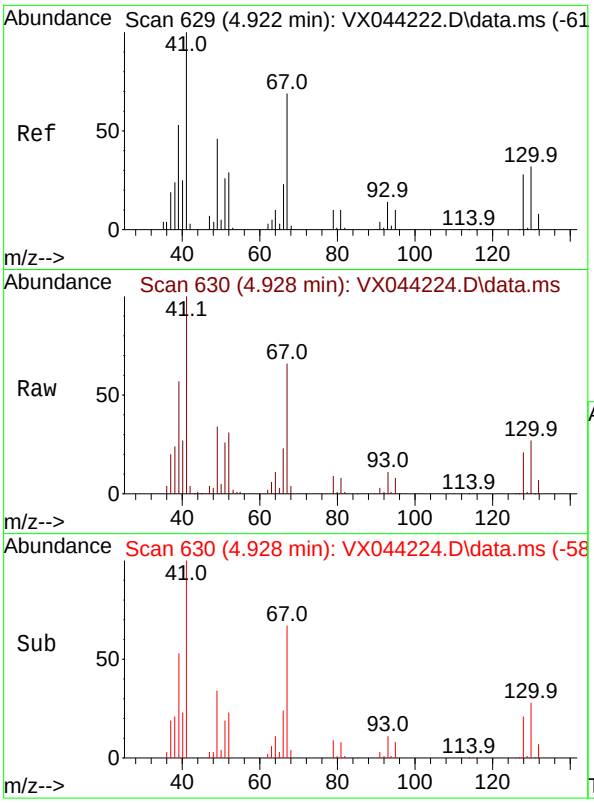


#40
Benzene
Concen: 149.340 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 78 Resp: 887413

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9



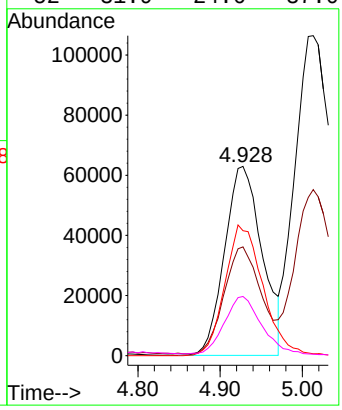


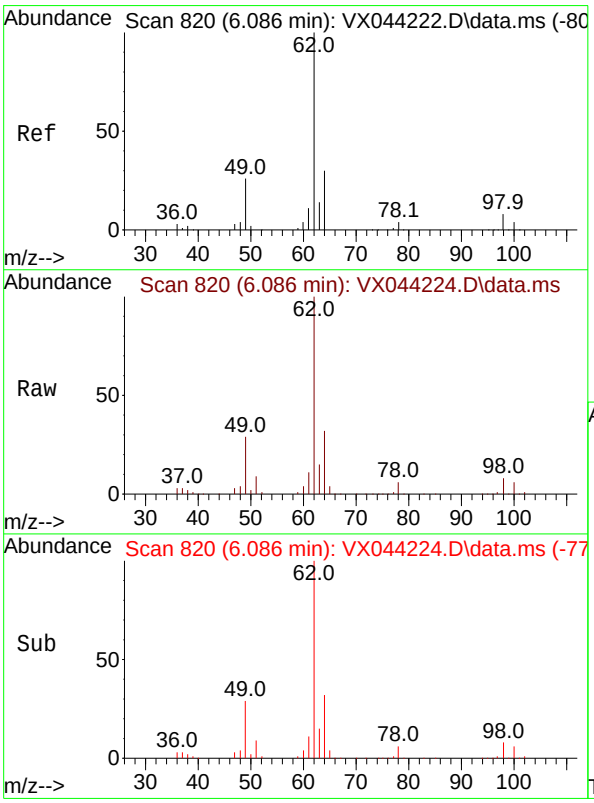
#41
Methacrylonitrile
Concen: 155.569 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 199851

Ion	Ratio	Lower	Upper
41	100		
39	54.5	44.2	66.4
67	70.2	57.2	85.8
52	31.9	24.6	37.0

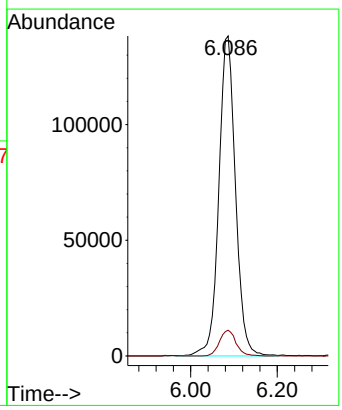


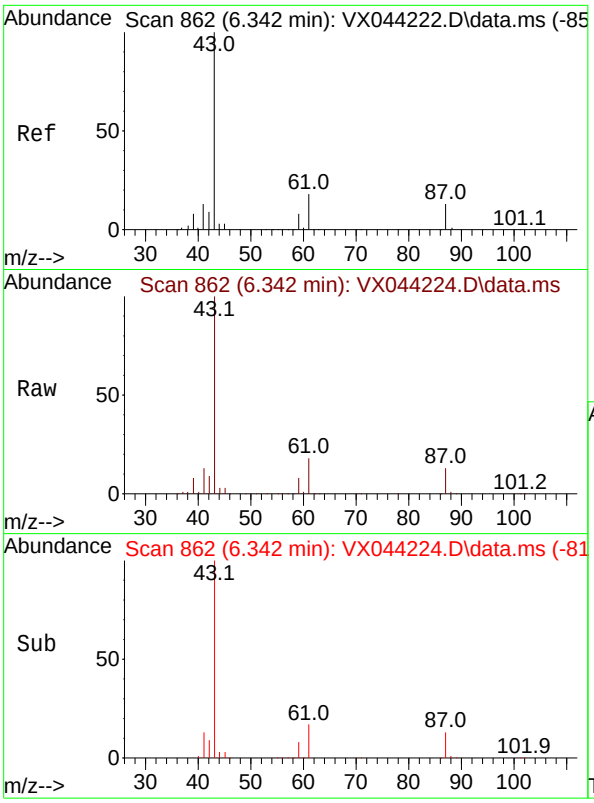


#42
1,2-Dichloroethane
Concen: 151.105 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 62 Resp: 369874

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.8



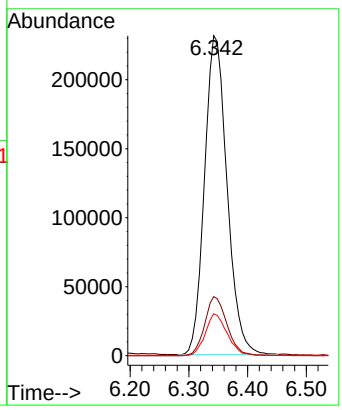


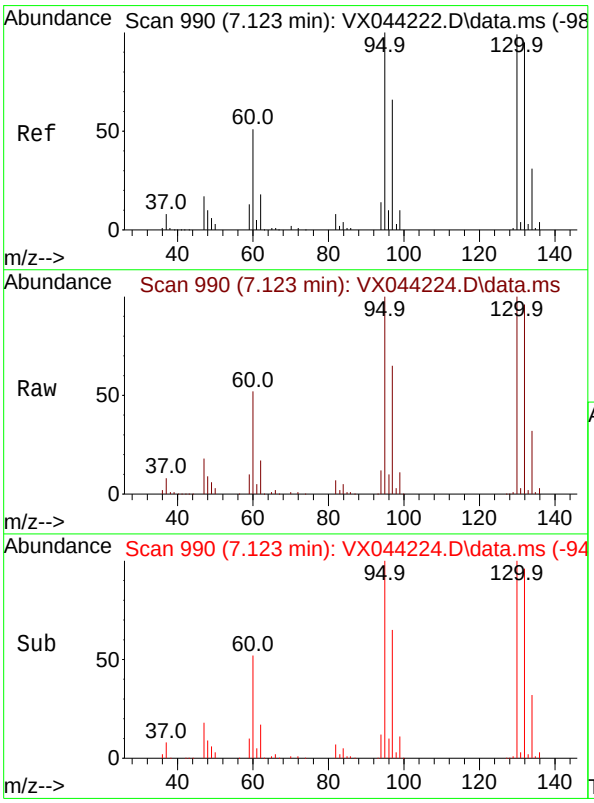
#43
Isopropyl Acetate
Concen: 163.200 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 617107

Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.2	21.2
87	12.8	10.2	15.2

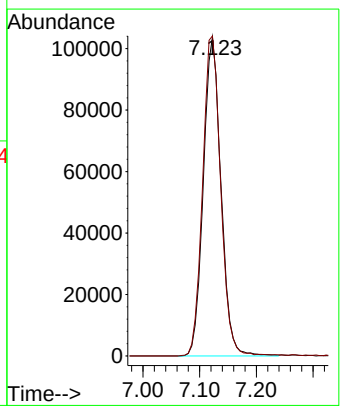


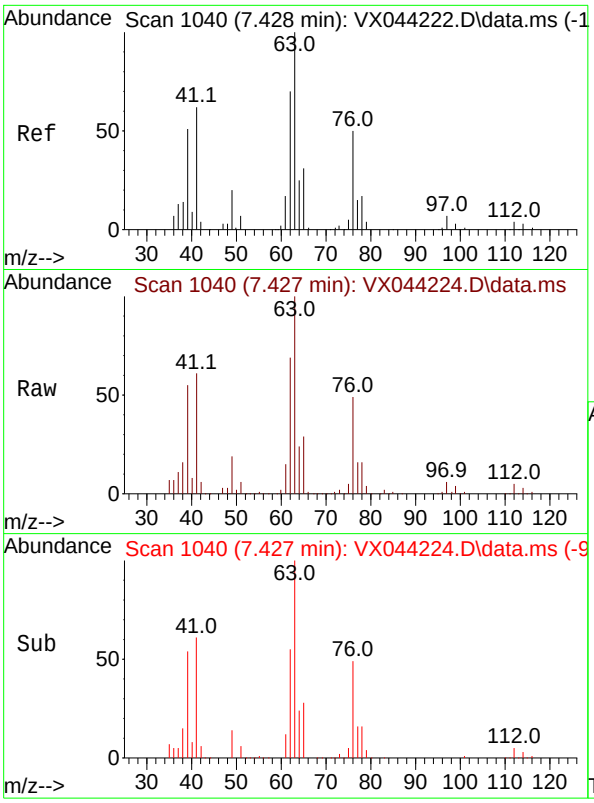


#44
Trichloroethene
Concen: 151.275 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:130 Resp: 224164

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	201.4



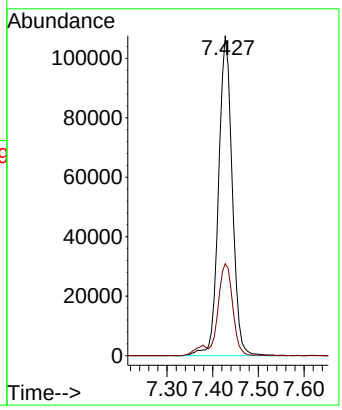


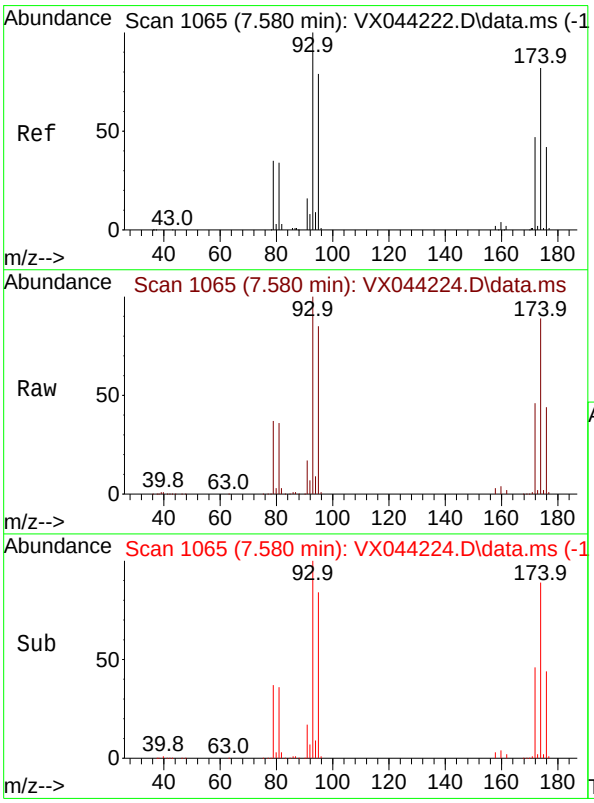
#45
1,2-Dichloropropane
Concen: 147.697 ug/l
RT: 7.427 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 224224

Ion	Ratio	Lower	Upper
63	100		
65	28.8	24.6	37.0

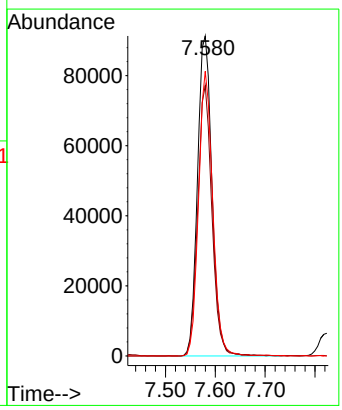


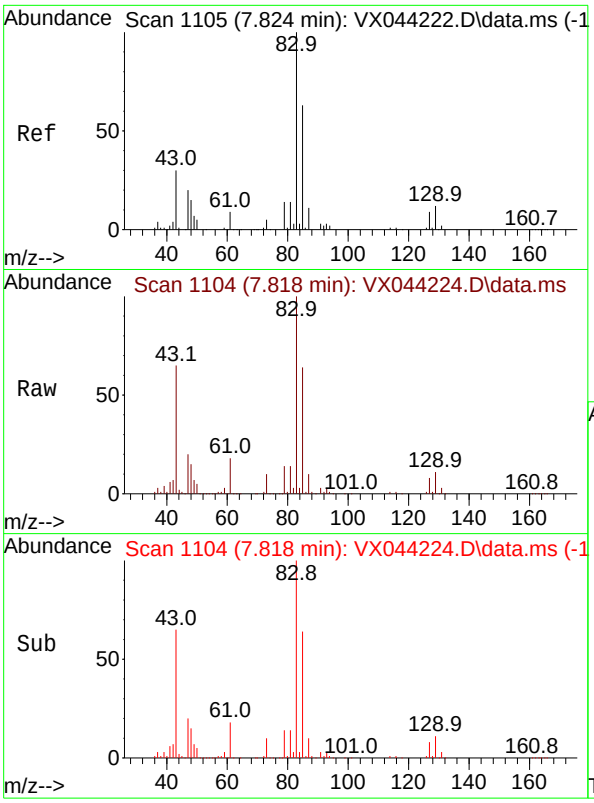


#46
Dibromomethane
Concen: 156.728 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 93 Resp: 184590

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.4	98.2
174	86.7	67.9	101.9



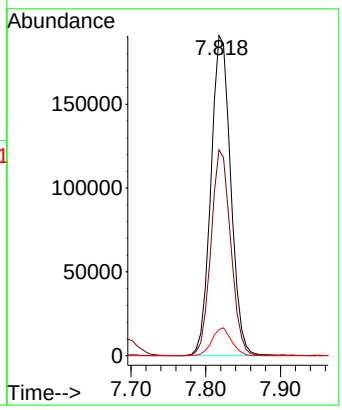


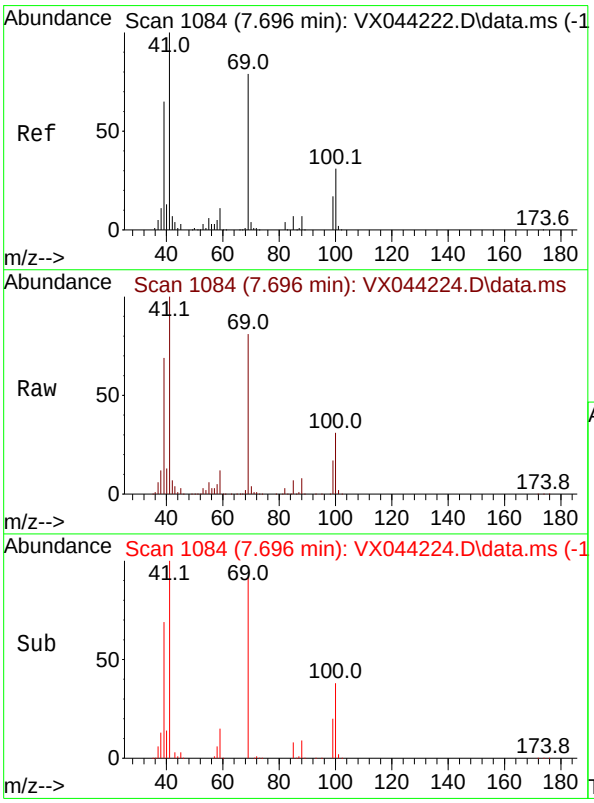
#47
Bromodichloromethane
Concen: 173.496 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 352904

Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.6	75.8
127	8.1	7.3	10.9

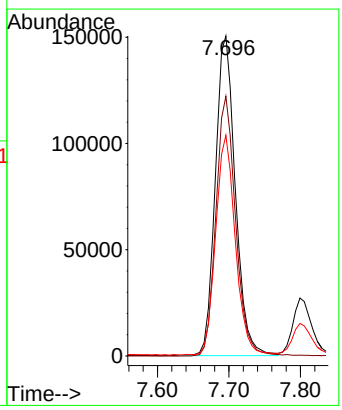


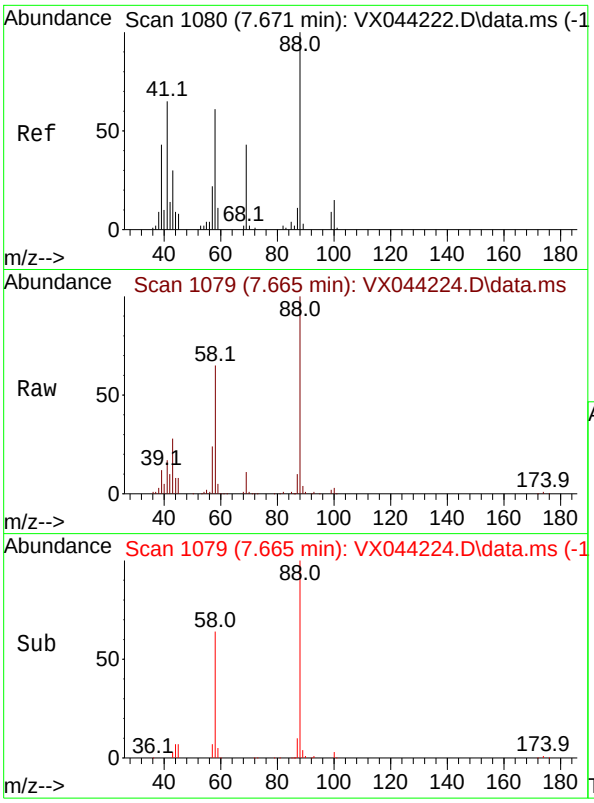


#48
Methyl methacrylate
Concen: 159.567 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 41 Resp: 292890

Ion	Ratio	Lower	Upper
41	100		
69	80.0	62.4	93.6
39	67.8	53.3	79.9



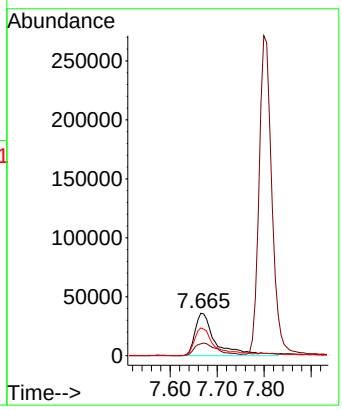


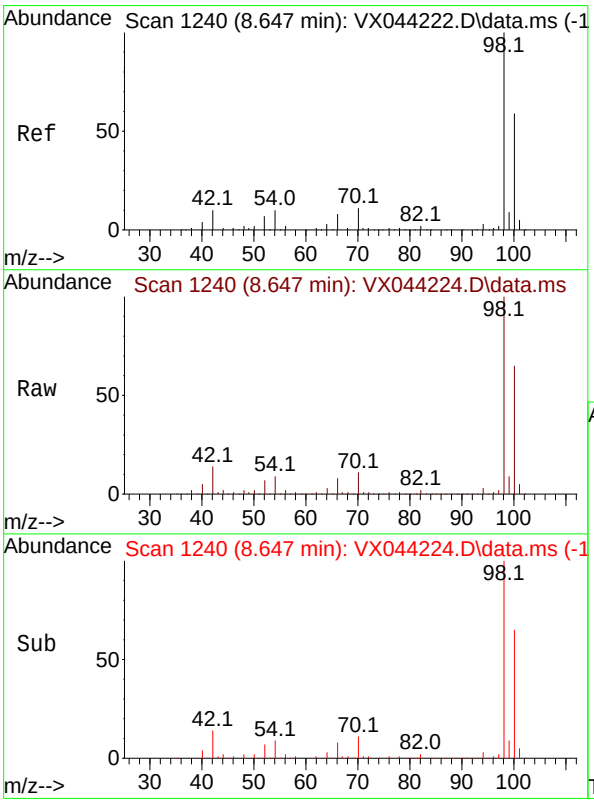
#49
1,4-Dioxane
Concen: 3539.235 ug/l
RT: 7.665 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 111023

Ion	Ratio	Lower	Upper
88	100		
43	32.0	27.1	40.7
58	63.3	41.0	61.4#

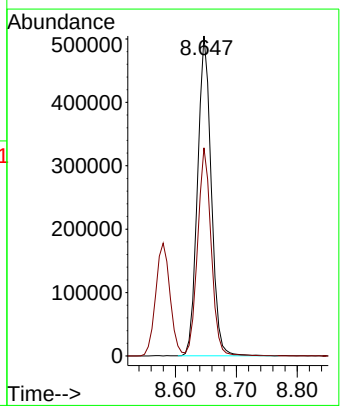


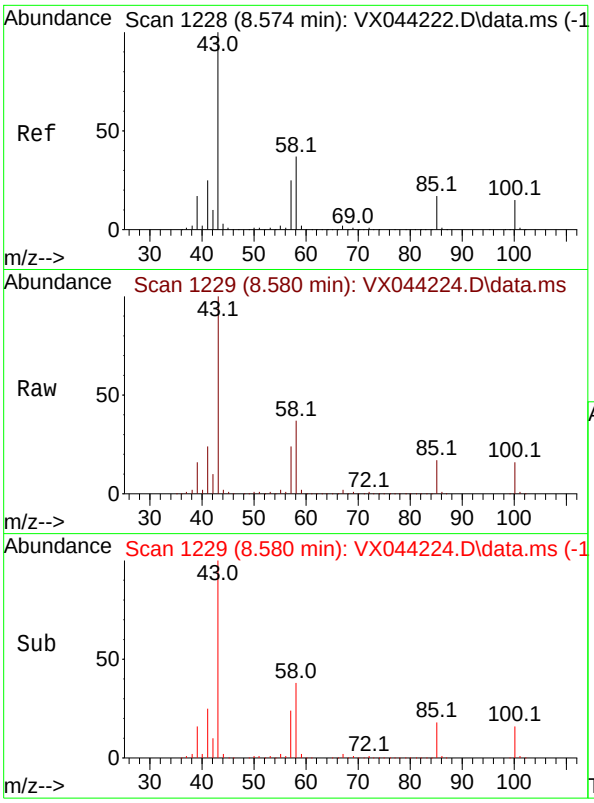


#50
Toluene-d8
Concen: 154.438 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 98 Resp: 788876

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3



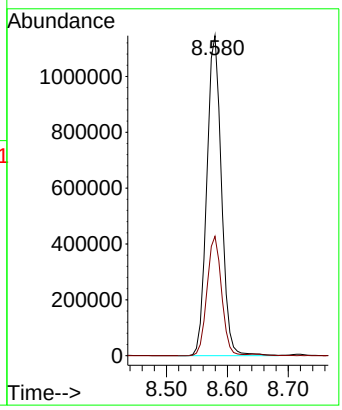


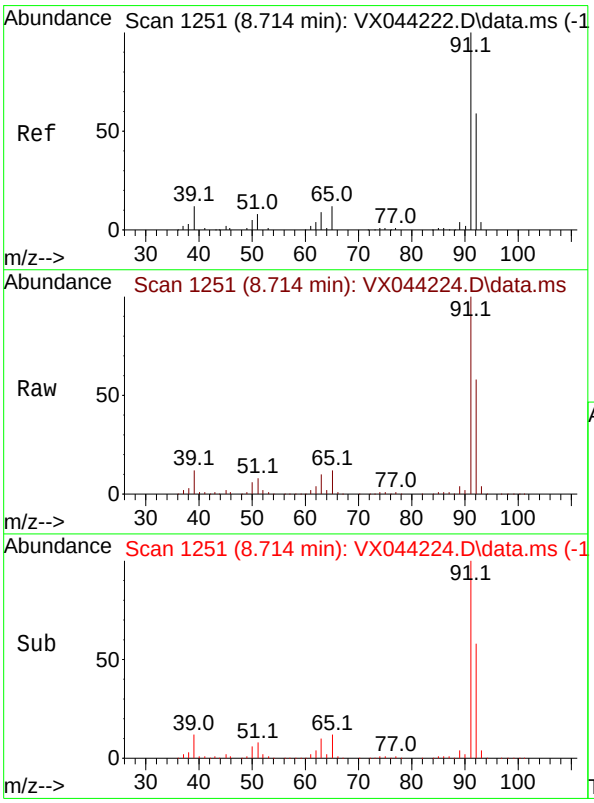
#51
4-Methyl-2-Pentanone
Concen: 784.573 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1907523

Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.4	44.0

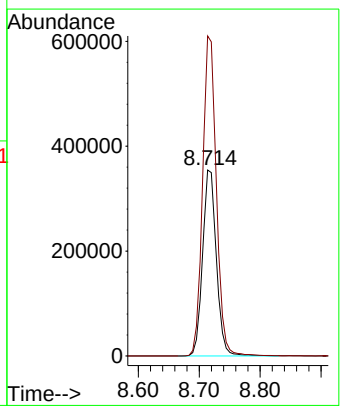


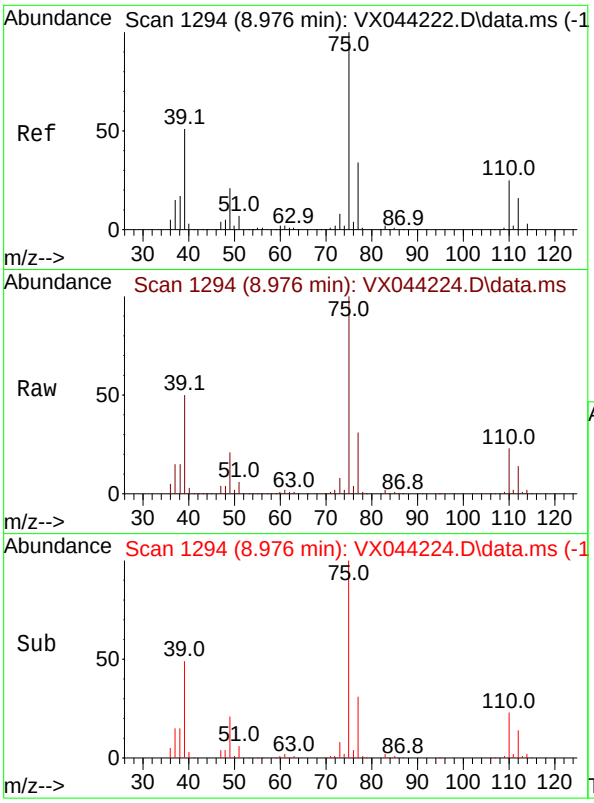


#52
Toluene
Concen: 149.294 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 92 Resp: 557102

Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.0	205.6



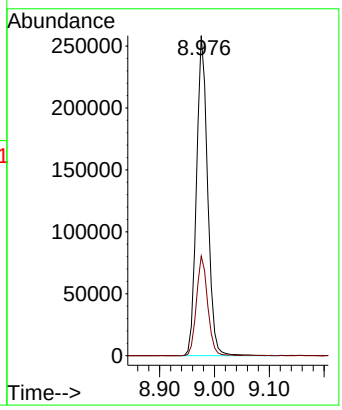


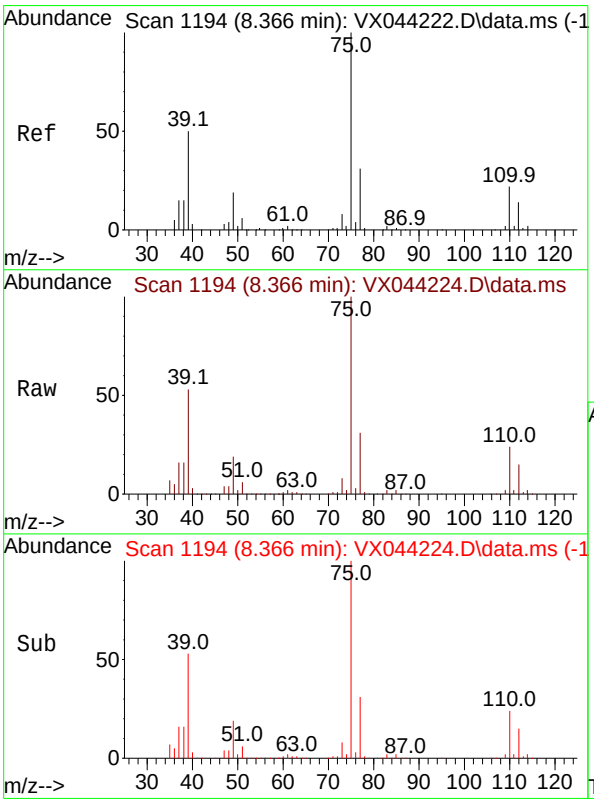
#53
t-1,3-Dichloropropene
Concen: 150.167 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 366275

Ion	Ratio	Lower	Upper
75	100		
77	31.1	27.2	40.8

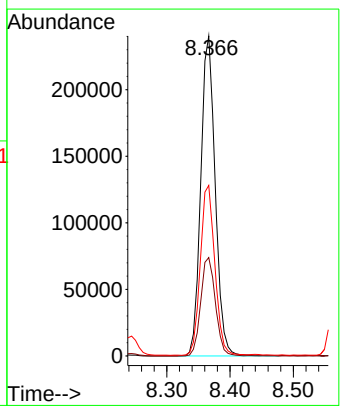


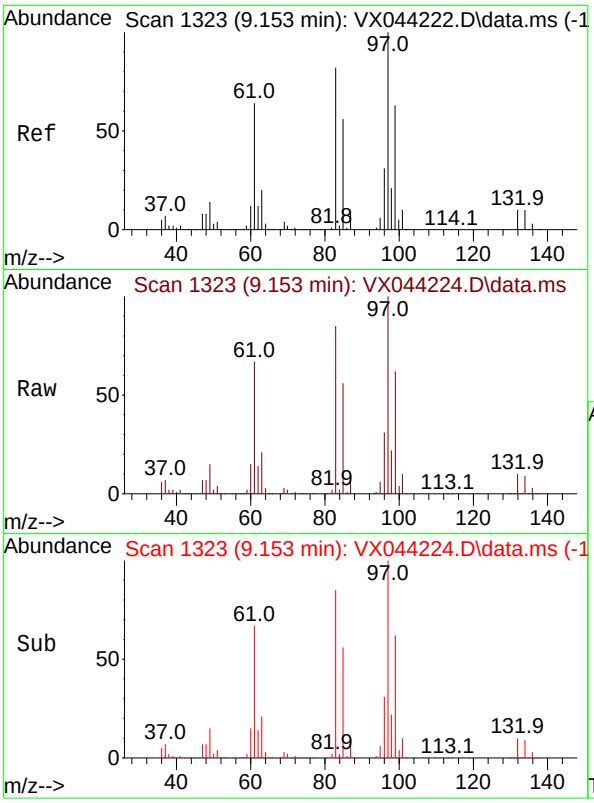


#54
cis-1,3-Dichloropropene
Concen: 172.581 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 75 Resp: 382226

Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.7	37.1
39	53.1	40.3	60.5



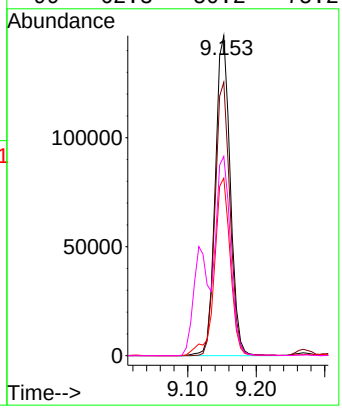


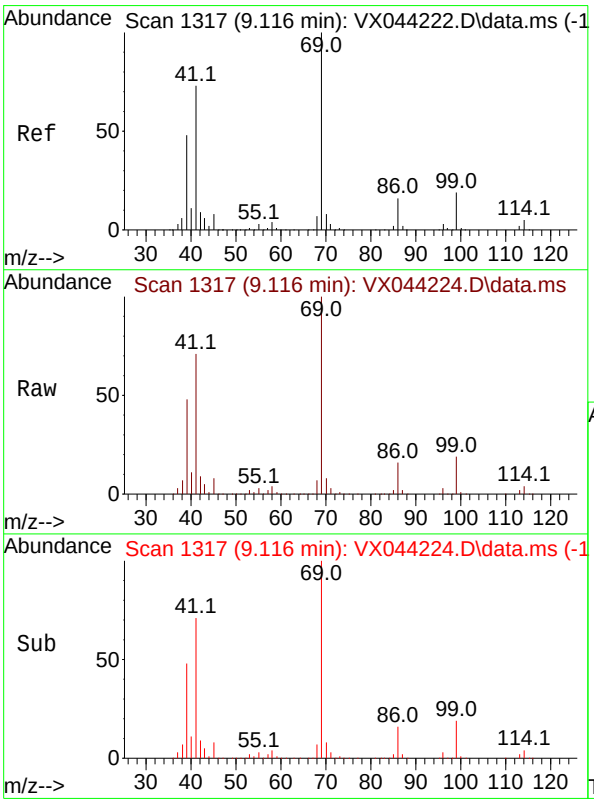
#55
1,1,2-Trichloroethane
Concen: 150.202 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 222665

Ion	Ratio	Lower	Upper
97	100		
83	85.5	65.3	97.9
85	55.5	44.6	67.0
99	62.3	50.2	75.2

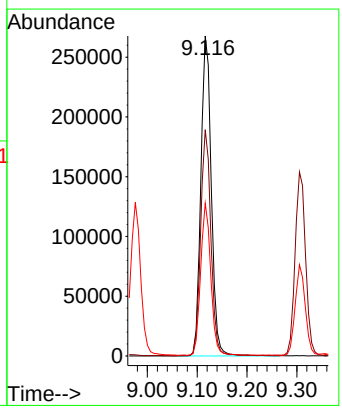


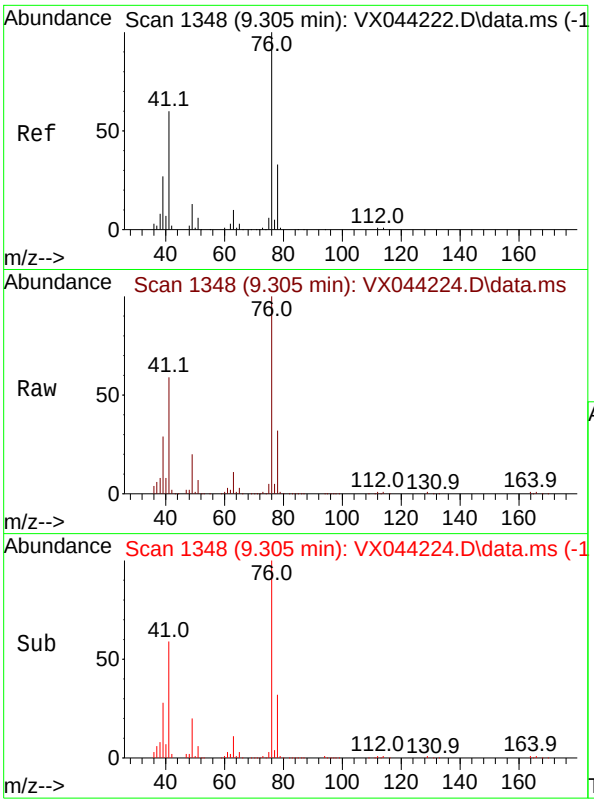


#56
Ethyl methacrylate
Concen: 166.289 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 69 Resp: 389165

Ion	Ratio	Lower	Upper
69	100		
41	69.4	56.6	85.0
39	46.2	37.4	56.0



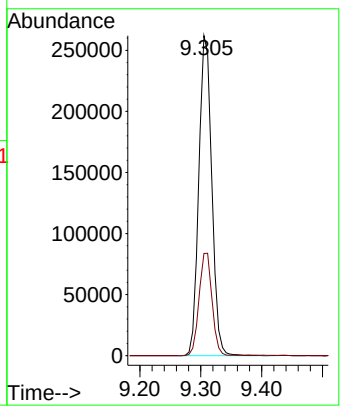


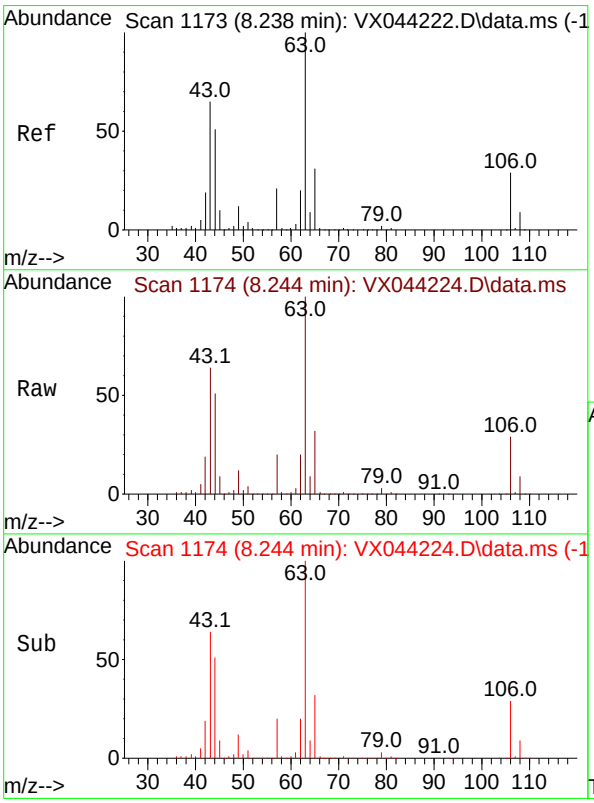
#57
1,3-Dichloropropane
Concen: 150.014 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 387086

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.5	39.7

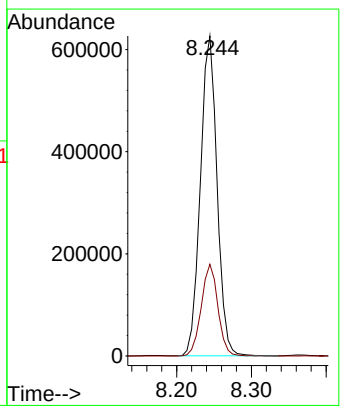


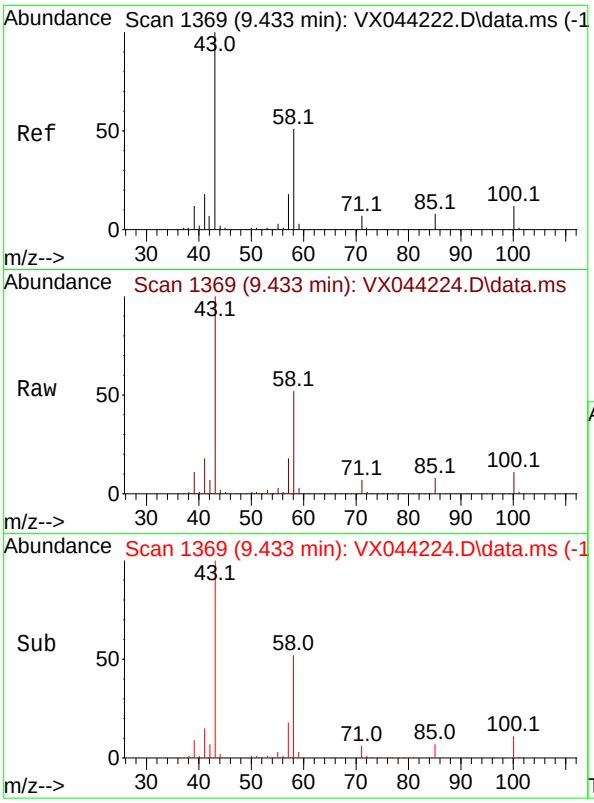


#58
2-Chloroethyl Vinyl ether
Concen: 822.575 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 63 Resp: 970949

Ion	Ratio	Lower	Upper
63	100		
106	28.5	22.8	34.2



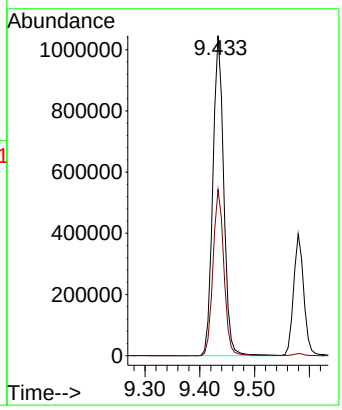


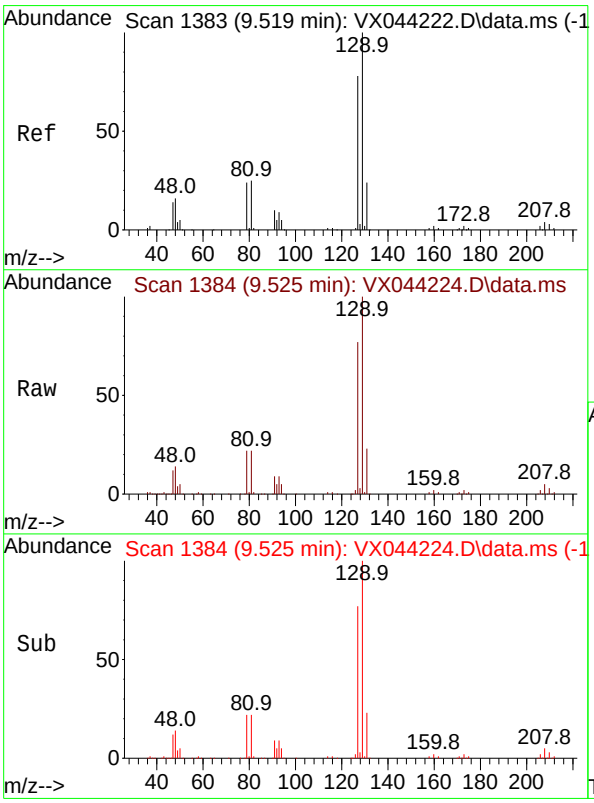
#59
2-Hexanone
Concen: 816.161 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1436300

Ion	Ratio	Lower	Upper
43	100		
58	52.0	25.7	77.0

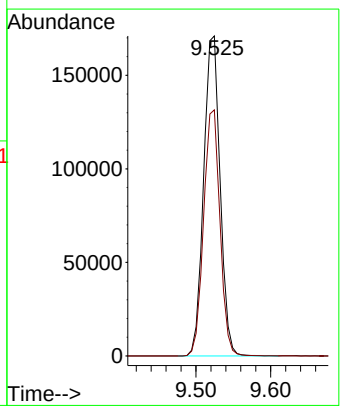


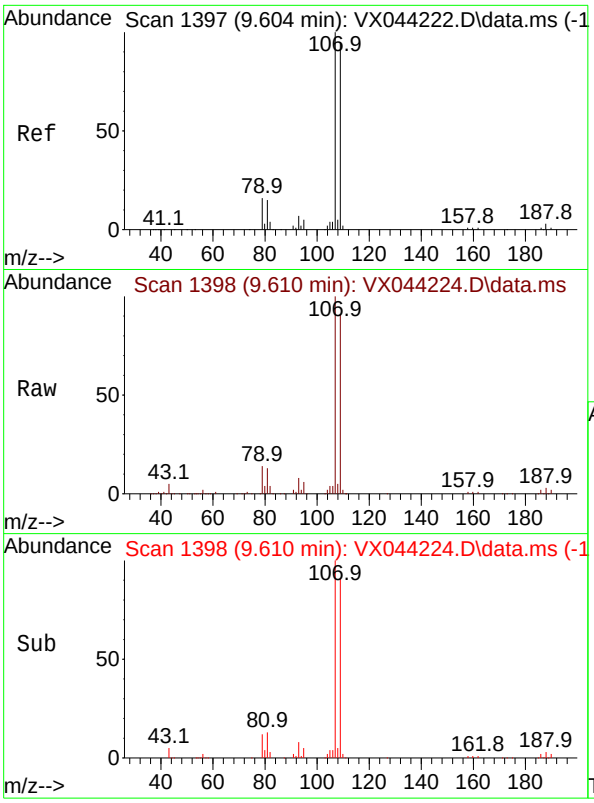


#60
Dibromochloromethane
Concen: 150.105 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:129 Resp: 261253

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.5	115.3



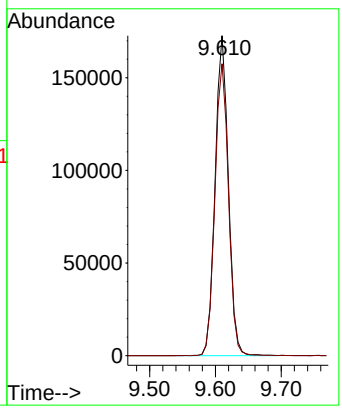


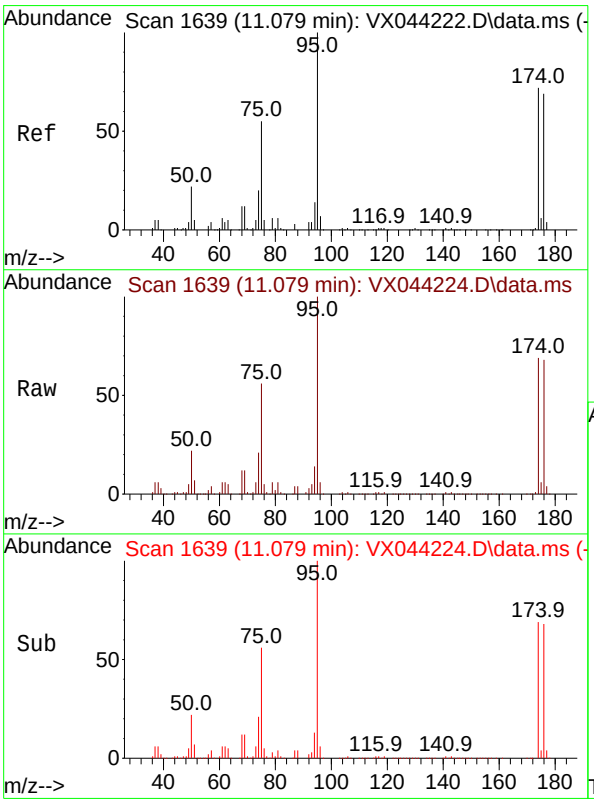
#61
1,2-Dibromoethane
Concen: 160.674 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 242451

Ion	Ratio	Lower	Upper
107	100		
109	93.4	77.0	115.4

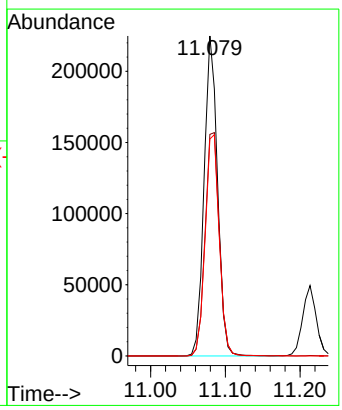


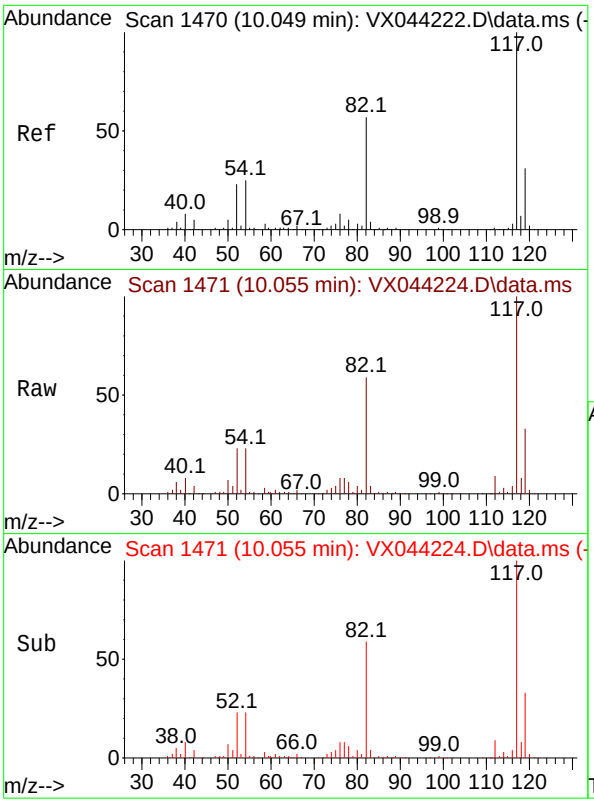


#62
4-Bromofluorobenzene
Concen: 156.709 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 95 Resp: 279706

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	145.8
176	72.6	0.0	137.8



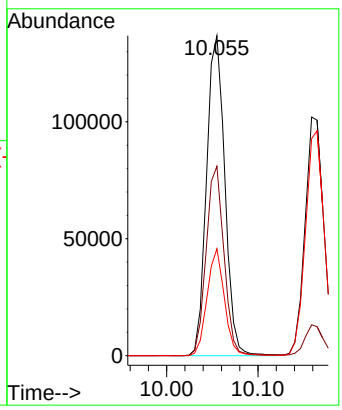


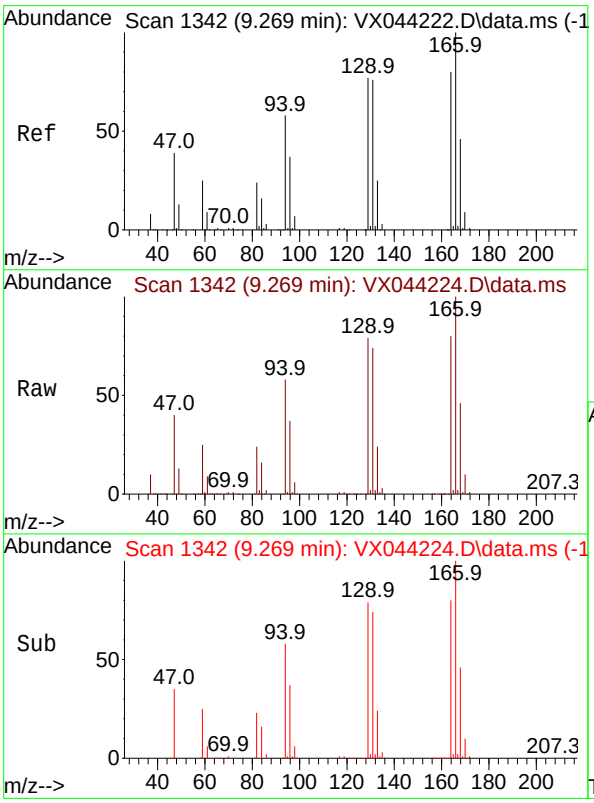
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 190013

Ion	Ratio	Lower	Upper
117	100		
82	59.2	45.8	68.8
119	33.4	25.0	37.4

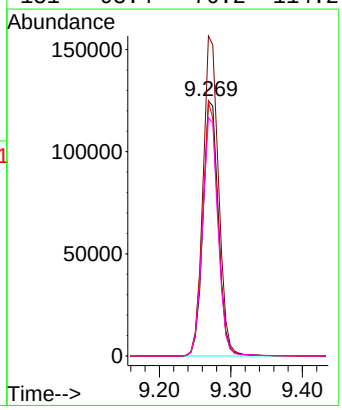


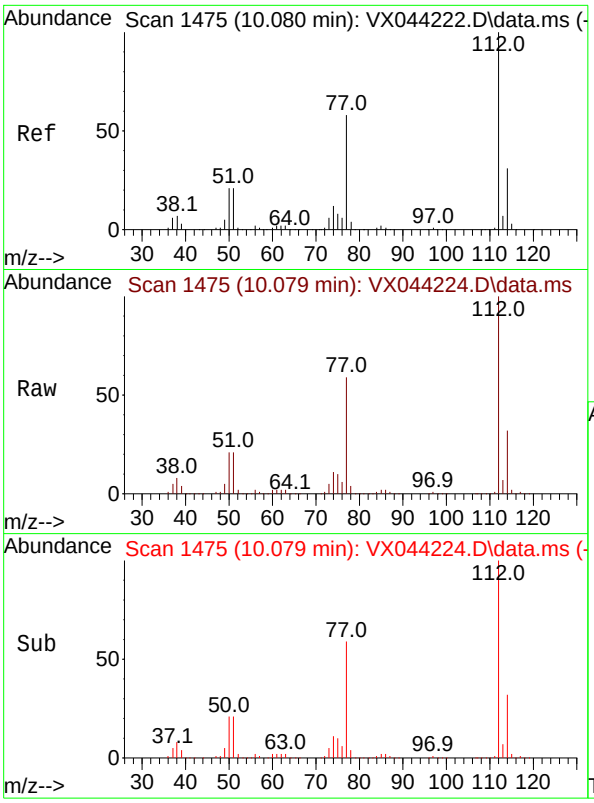


#64
Tetrachloroethene
Concen: 147.836 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:164 Resp: 186443

Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.4	150.6
129	99.7	77.2	115.8
131	93.4	76.2	114.2



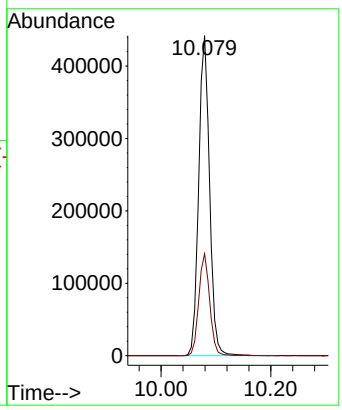


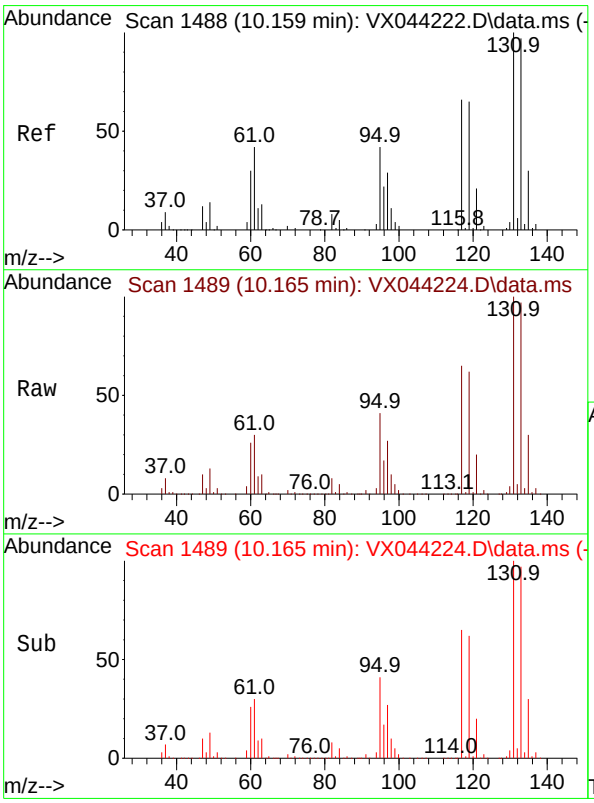
#65
Chlorobenzene
Concen: 149.428 ug/l
RT: 10.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 608404

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.0	37.6

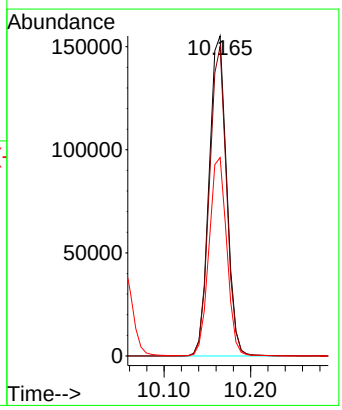


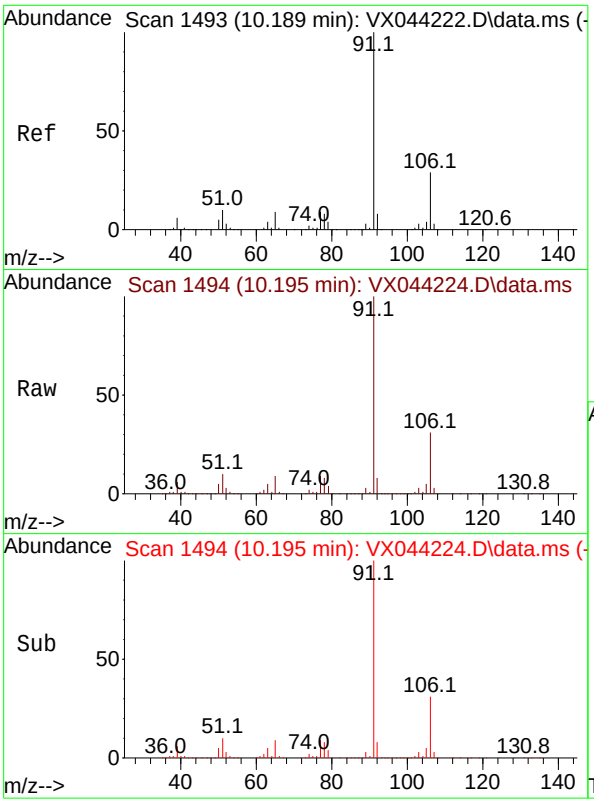


#66
1,1,1,2-Tetrachloroethane
Concen: 166.991 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:131 Resp: 218515

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.3	141.8
119	62.7	31.6	95.0



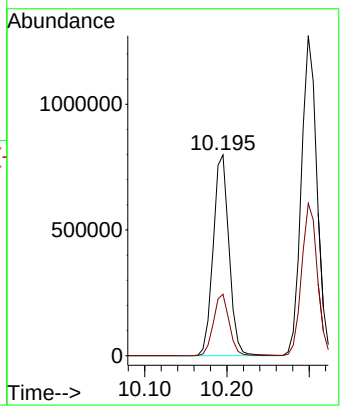


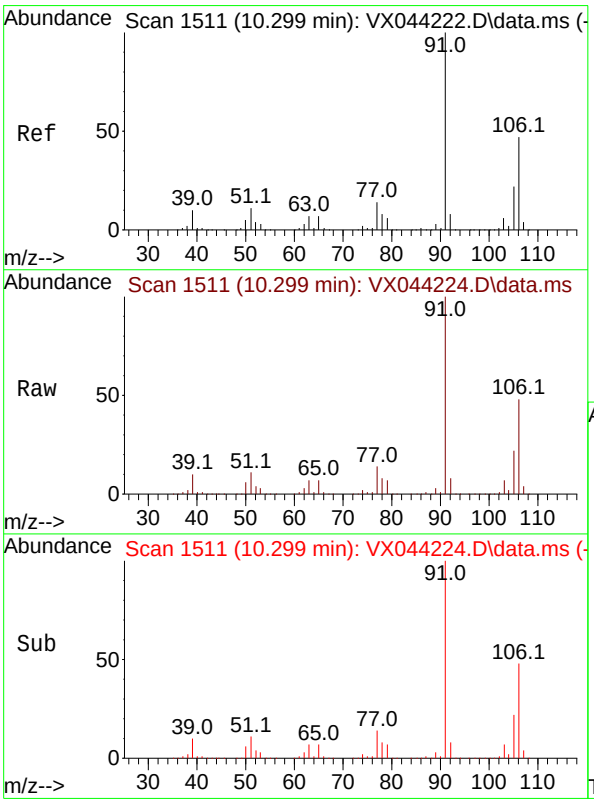
#67
Ethyl Benzene
Concen: 151.917 ug/l
RT: 10.195 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1068736

Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.5	35.3

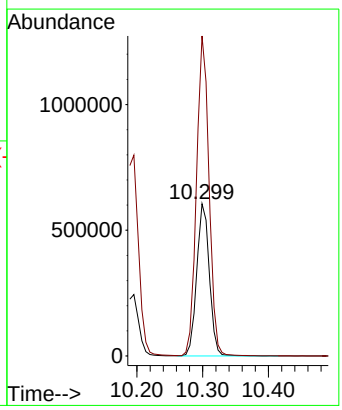


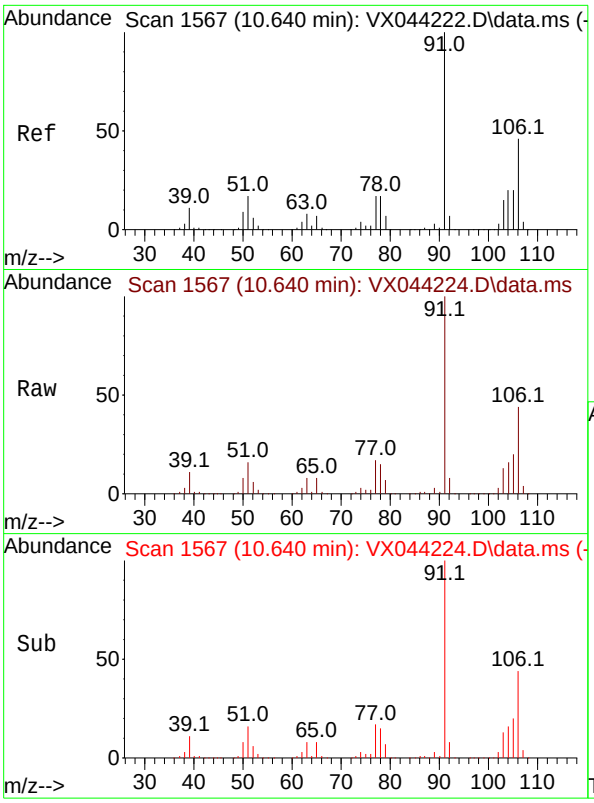


#68
m/p-Xylenes
Concen: 312.254 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:106 Resp: 806058

Ion	Ratio	Lower	Upper
106	100		
91	208.8	170.2	255.2



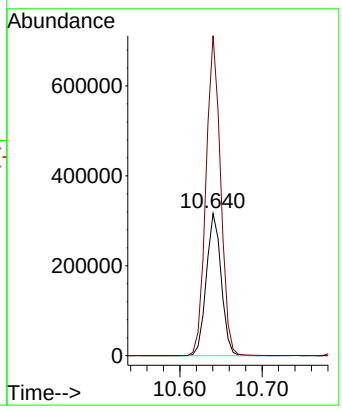


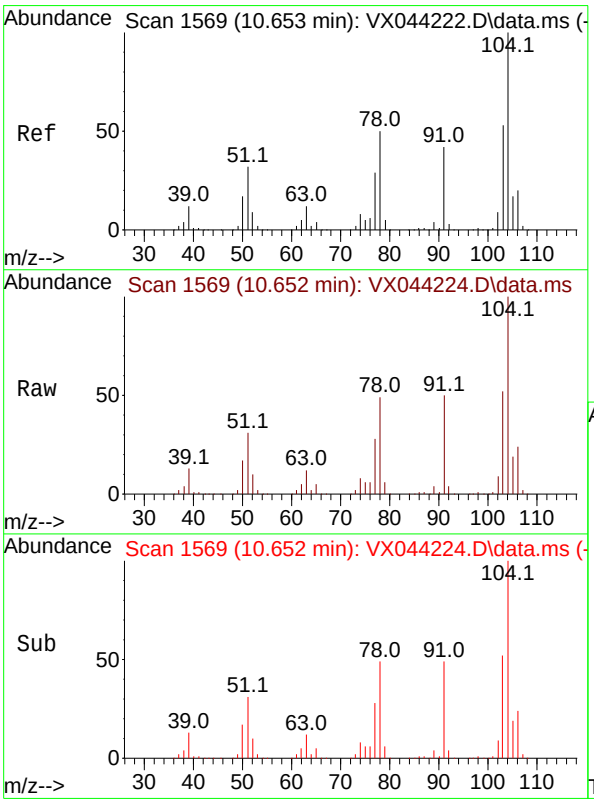
#69
o-Xylene
Concen: 152.030 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 397084

Ion	Ratio	Lower	Upper
106	100		
91	221.5	112.3	337.0

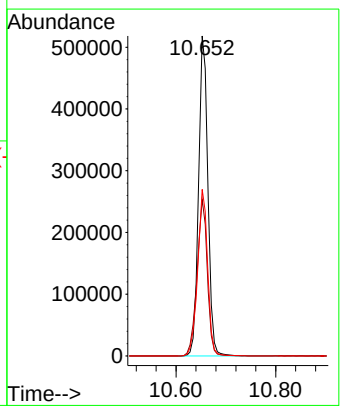


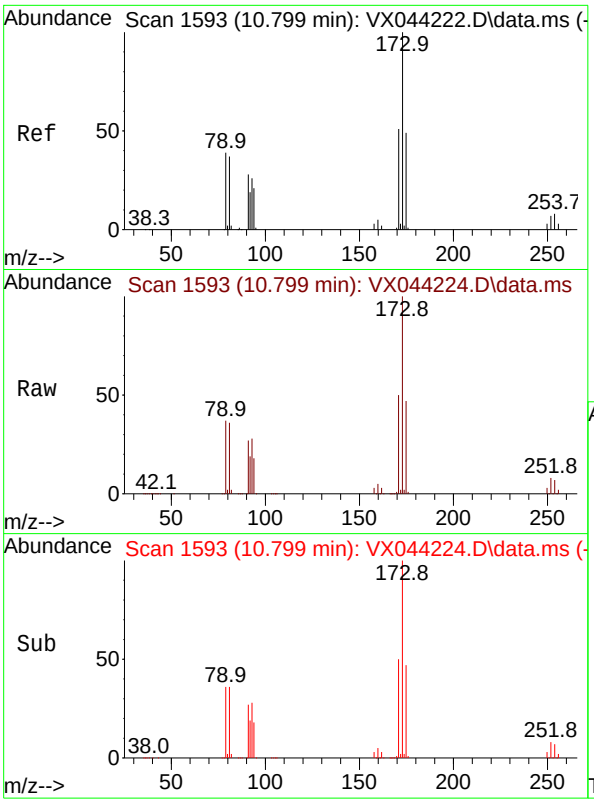


#70
Styrene
Concen: 160.228 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:104 Resp: 670887

Ion	Ratio	Lower	Upper
104	100		
78	54.2	44.6	67.0
103	55.9	45.4	68.0



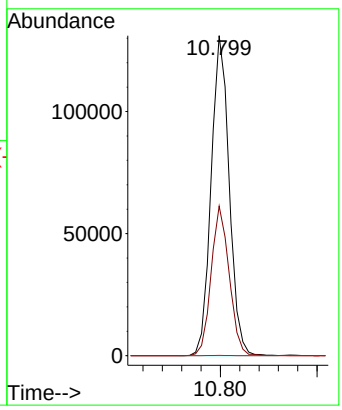


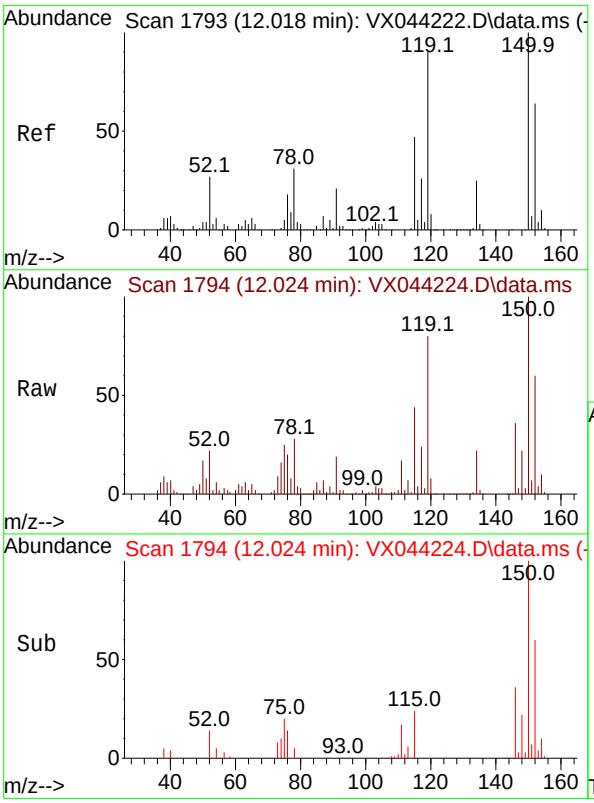
#71
Bromoform
Concen: 150.034 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 169450

Ion	Ratio	Lower	Upper
173	100		
175	46.8	23.8	71.4
254	0.1	0.0	0.0#

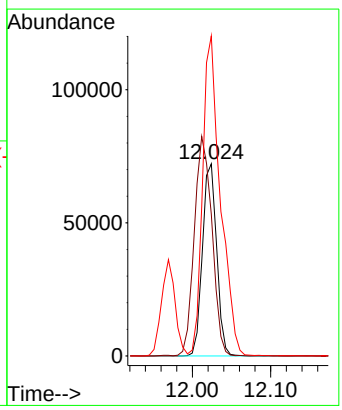


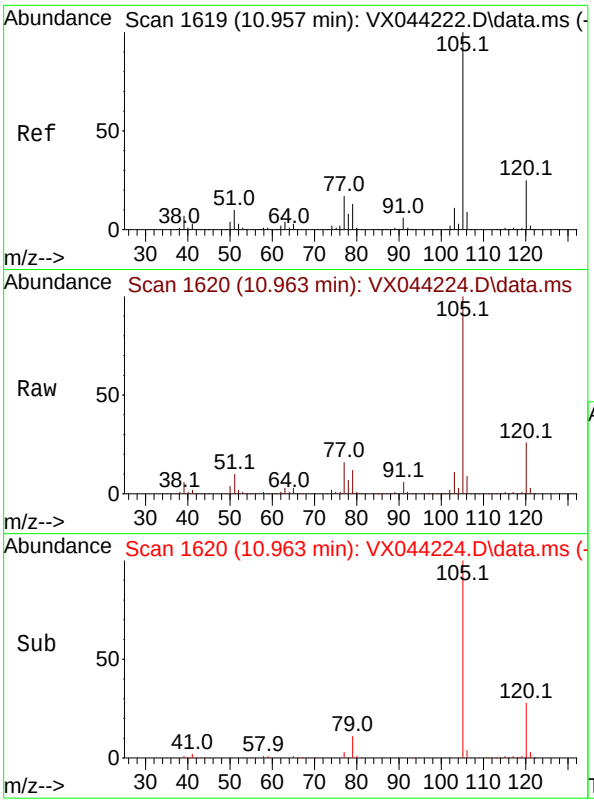


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:152 Resp: 90898

Ion	Ratio	Lower	Upper
152	100		
115	142.2	44.5	133.3#
150	208.8	0.0	353.8



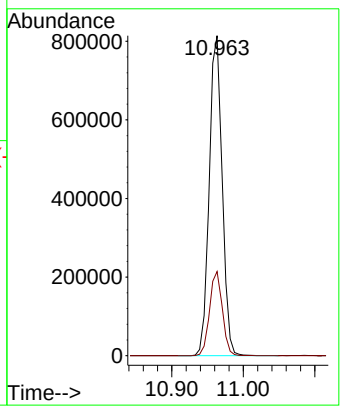


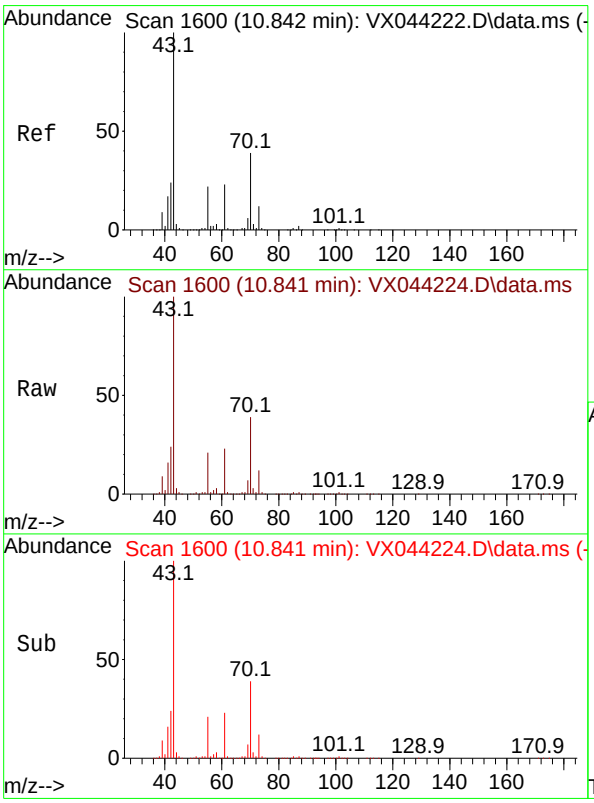
#73
Isopropylbenzene
Concen: 146.832 ug/l
RT: 10.963 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1021749

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.1	39.3

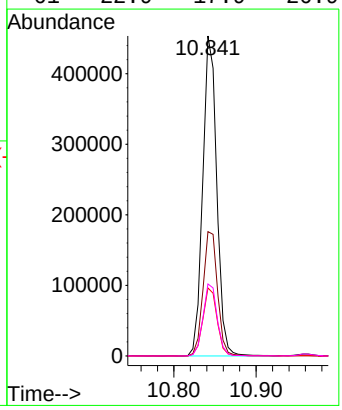


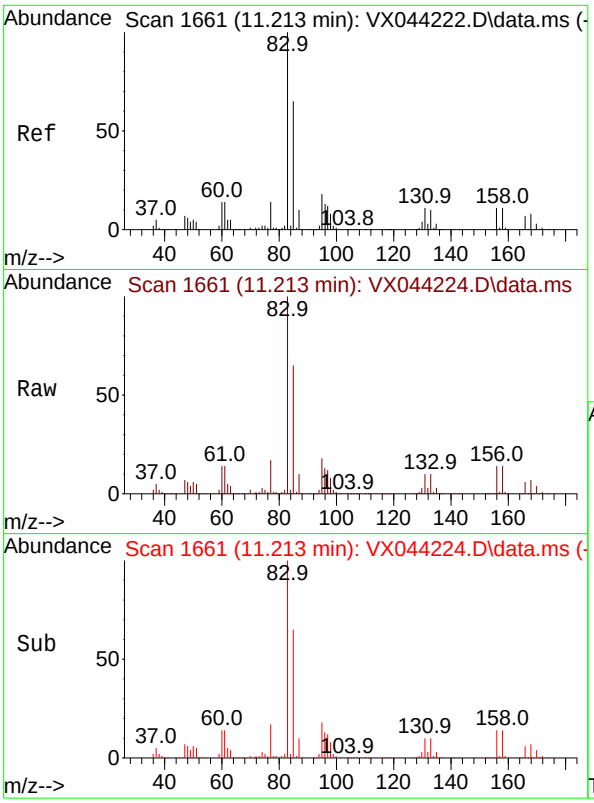


#74
N-amyl acetate
Concen: 166.823 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 43 Resp: 536496

Ion	Ratio	Lower	Upper
43	100		
70	40.3	31.9	47.9
55	21.6	17.9	26.9
61	22.9	17.9	26.9



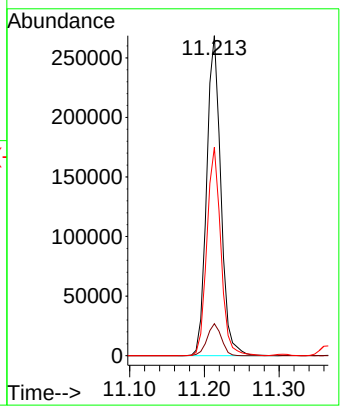


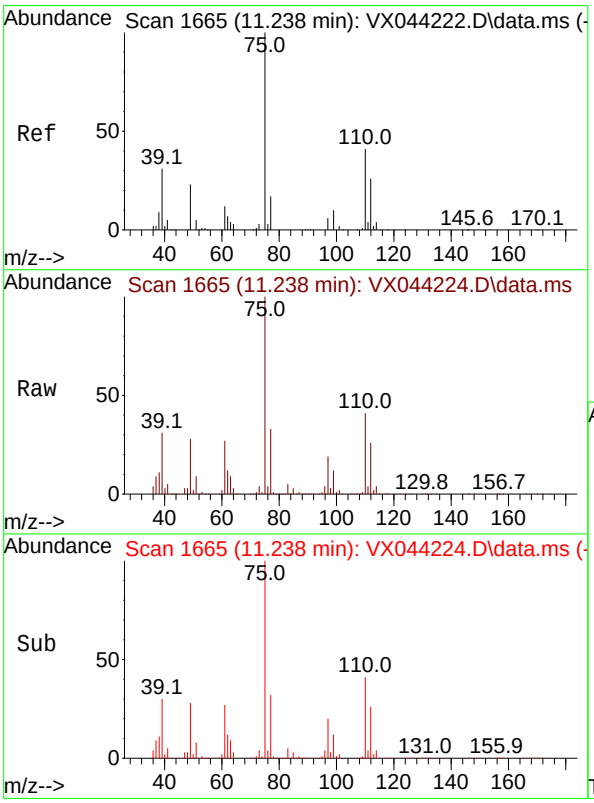
#75
1,1,2,2-Tetrachloroethane
Concen: 145.883 ug/l
RT: 11.213 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 352591

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.4
85	64.4	32.5	97.4

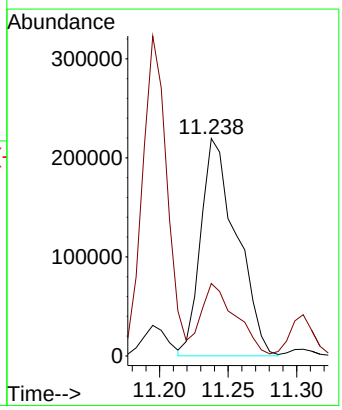


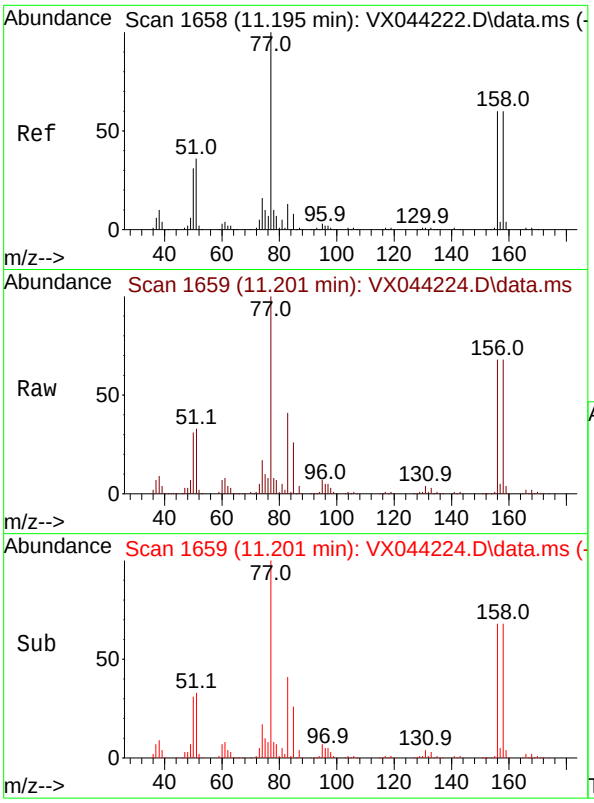


#76
1,2,3-Trichloropropane
Concen: 194.277 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 75 Resp: 400724

Ion	Ratio	Lower	Upper
75	100		
77	32.4	20.9	62.7



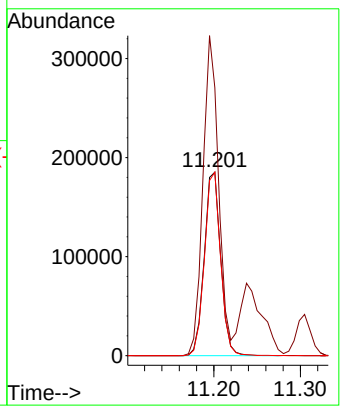


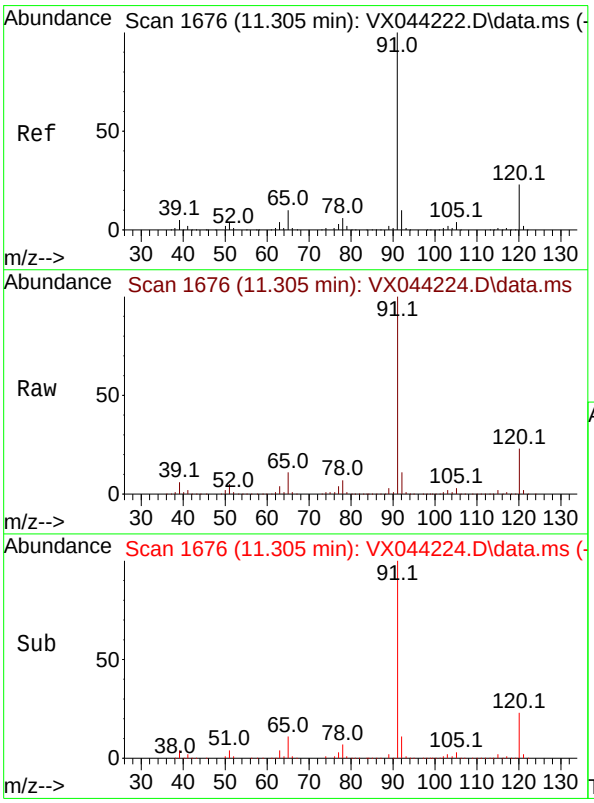
#77
Bromobenzene
Concen: 144.584 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 243975

Ion	Ratio	Lower	Upper
156	100		
77	165.5	82.6	247.8
158	98.2	48.8	146.4

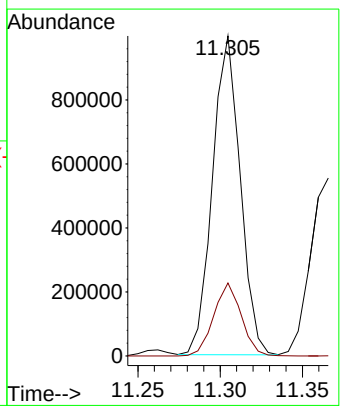


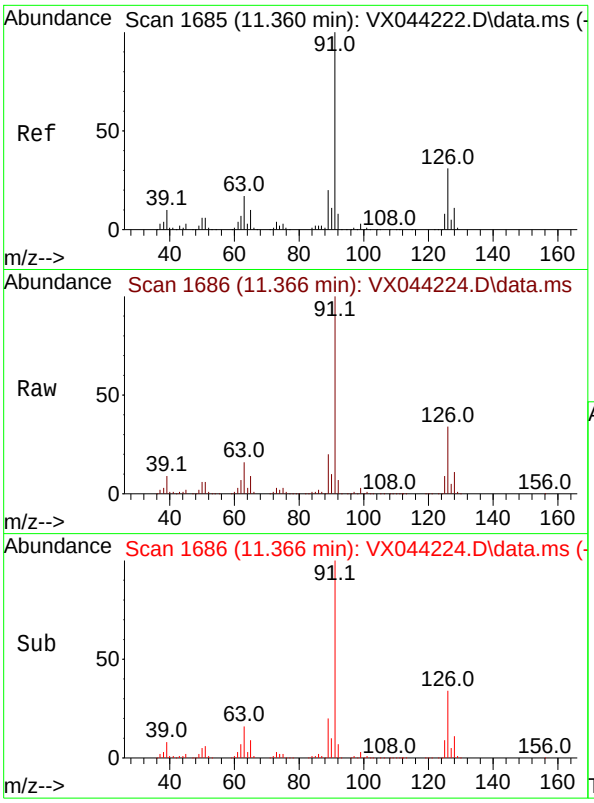


#78
n-propylbenzene
Concen: 151.637 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 91 Resp: 1166255

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.0	33.0



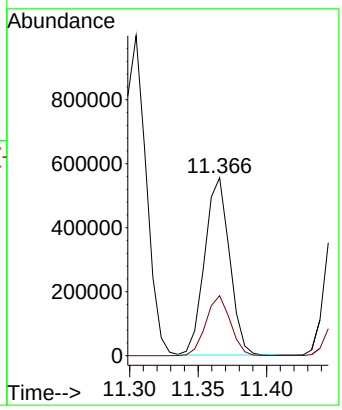


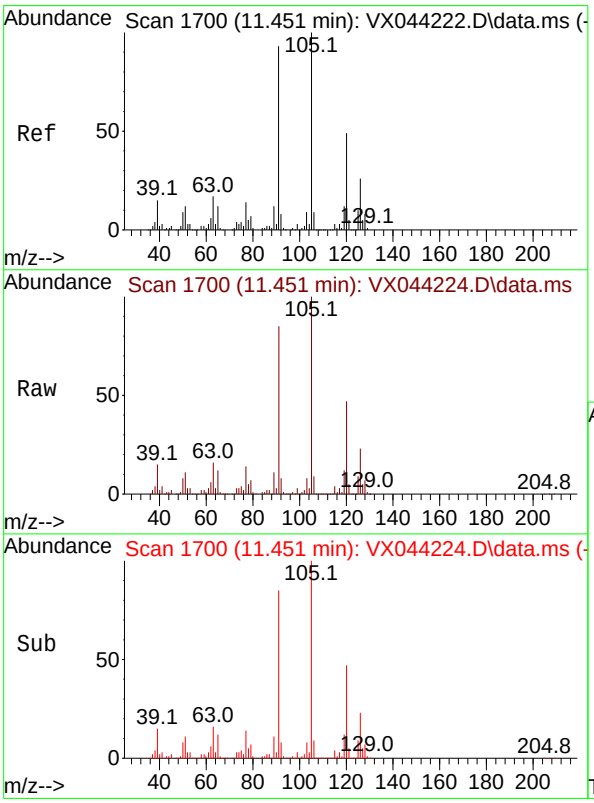
#79
2-Chlorotoluene
Concen: 140.866 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 700673

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.4	49.1

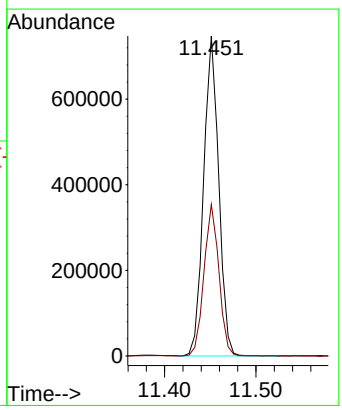


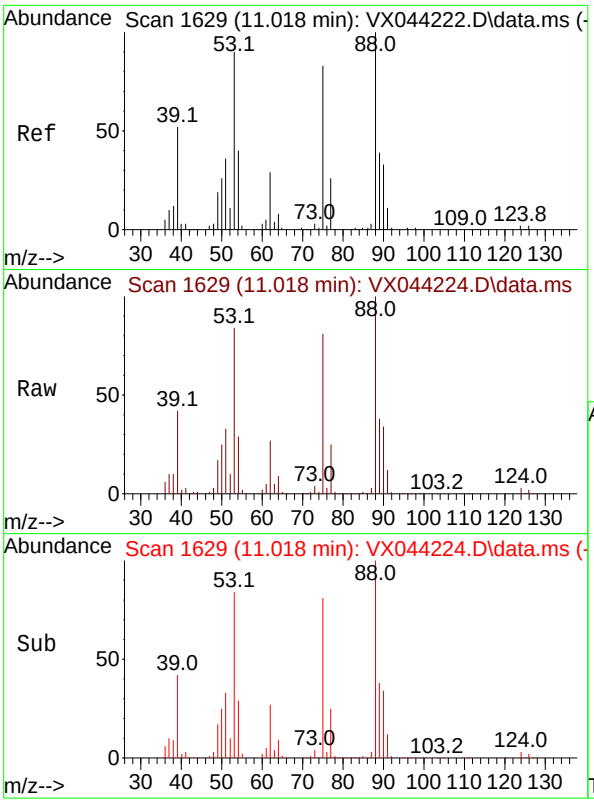


#80
1,3,5-Trimethylbenzene
Concen: 147.824 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:105 Resp: 853042

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.8	71.4



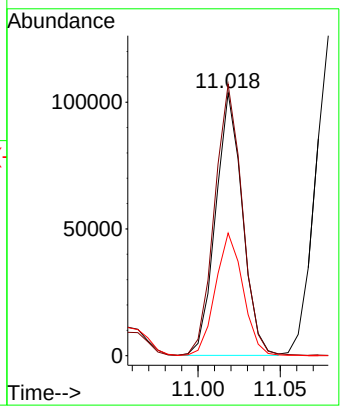


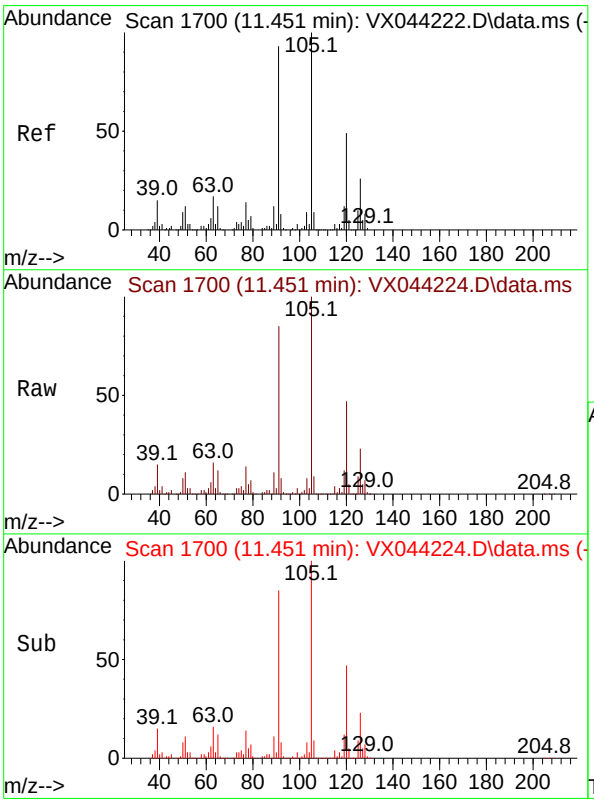
#81
trans-1,4-Dichloro-2-butene
Concen: 152.670 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 117263

Ion	Ratio	Lower	Upper
75	100		
53	107.3	93.6	140.4
89	48.2	37.3	55.9

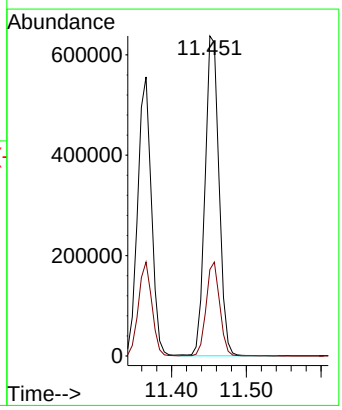


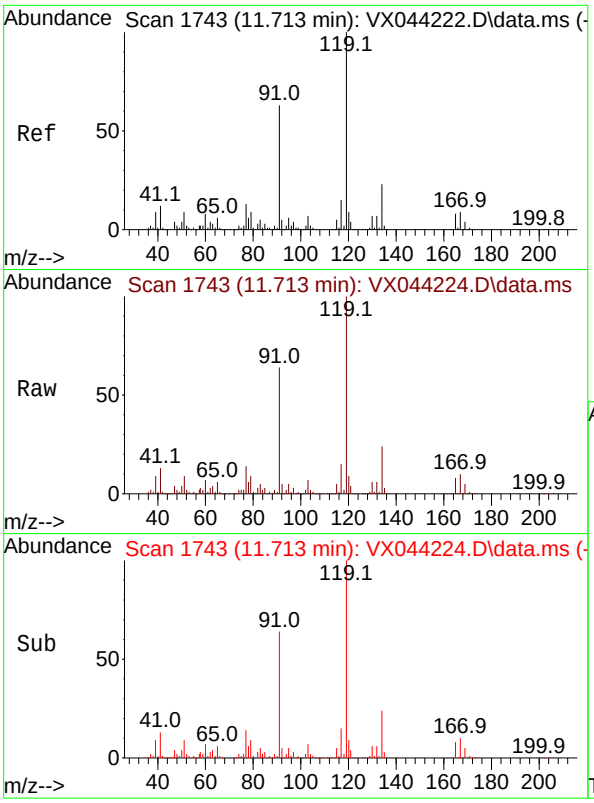


#82
4-Chlorotoluene
Concen: 149.831 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 91 Resp: 825278

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.5	43.5



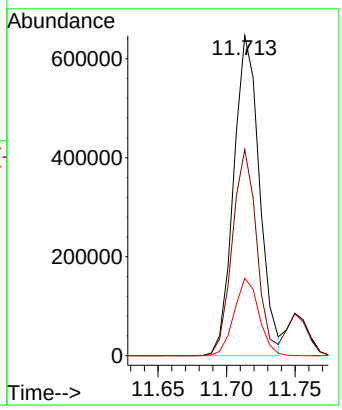


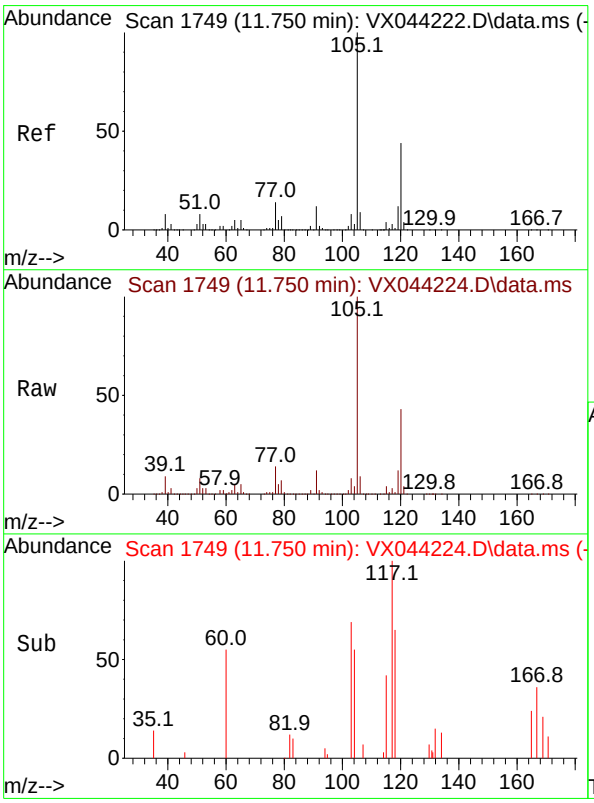
#83
tert-Butylbenzene
Concen: 148.495 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 846864

Ion	Ratio	Lower	Upper
119	100		
91	61.3	30.9	92.5
134	23.3	11.5	34.4

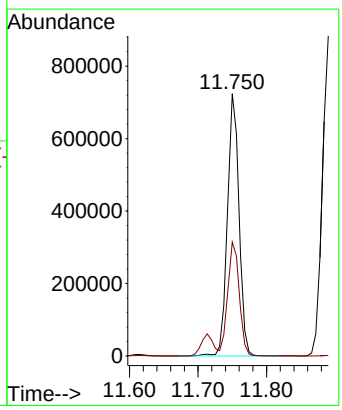


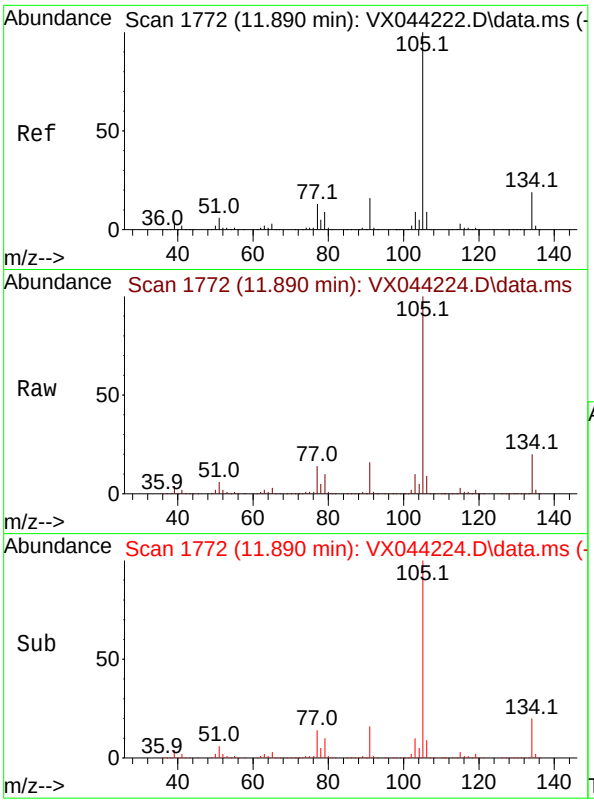


#84
1,2,4-Trimethylbenzene
Concen: 149.414 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:105 Resp: 846771

Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.7	65.1



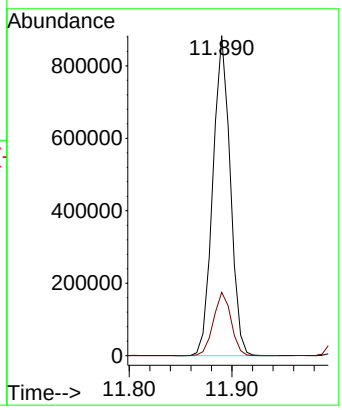


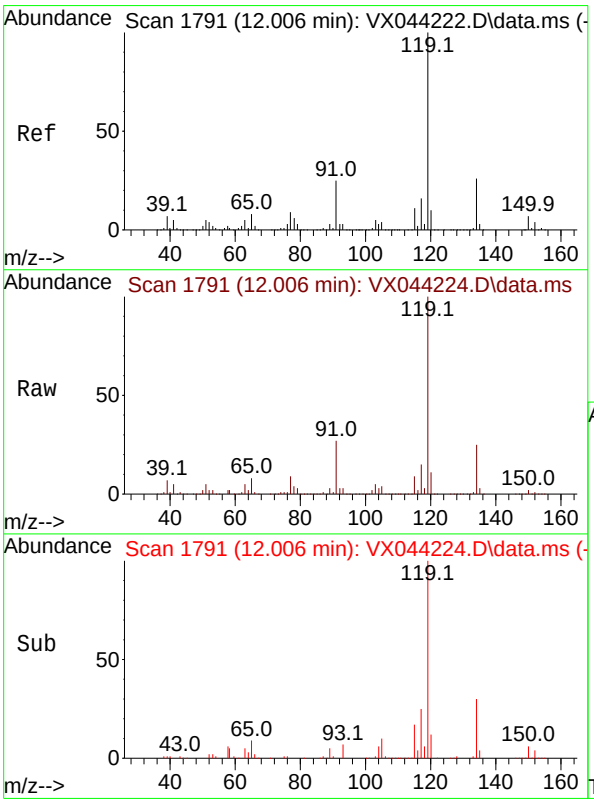
#85
sec-Butylbenzene
Concen: 149.409 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1034419

Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.8	29.4

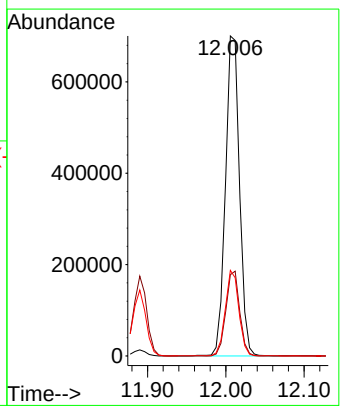


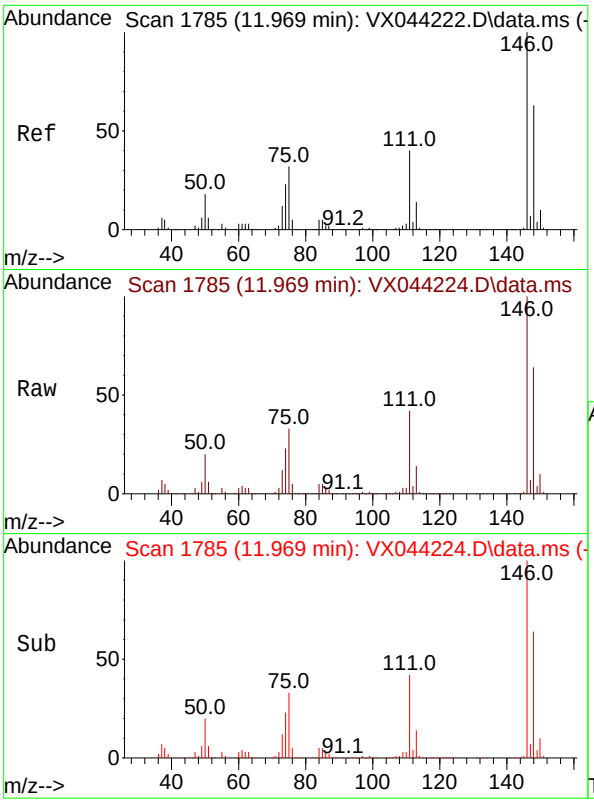


#86
p-Isopropyltoluene
Concen: 151.944 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:119 Resp: 875562

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.8	38.4
91	25.7	13.0	39.0



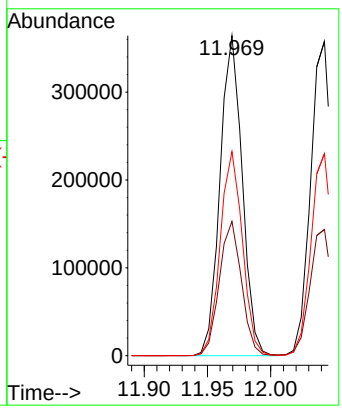


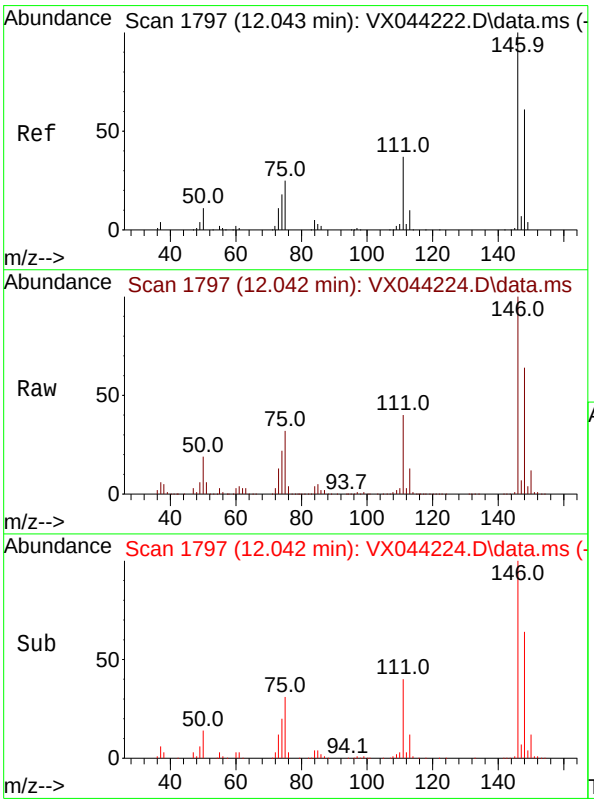
#87
1,3-Dichlorobenzene
Concen: 150.575 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 443826

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.4	64.2
148	64.0	31.7	95.1

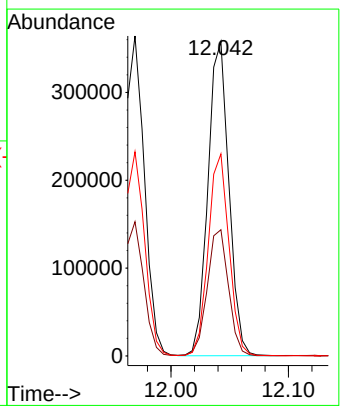


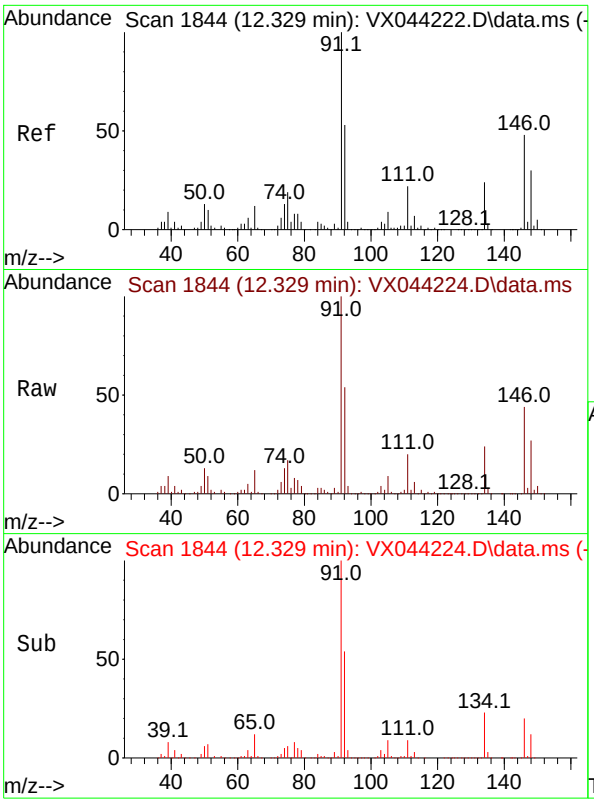


#88
1,4-Dichlorobenzene
Concen: 146.058 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:146 Resp: 442556

Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.0	63.0
148	63.7	32.3	96.8



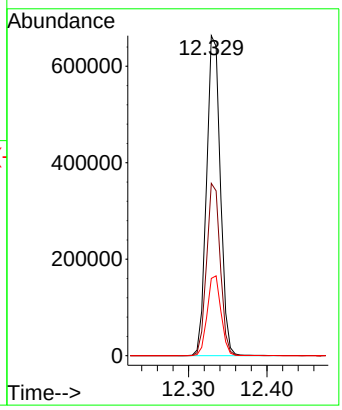


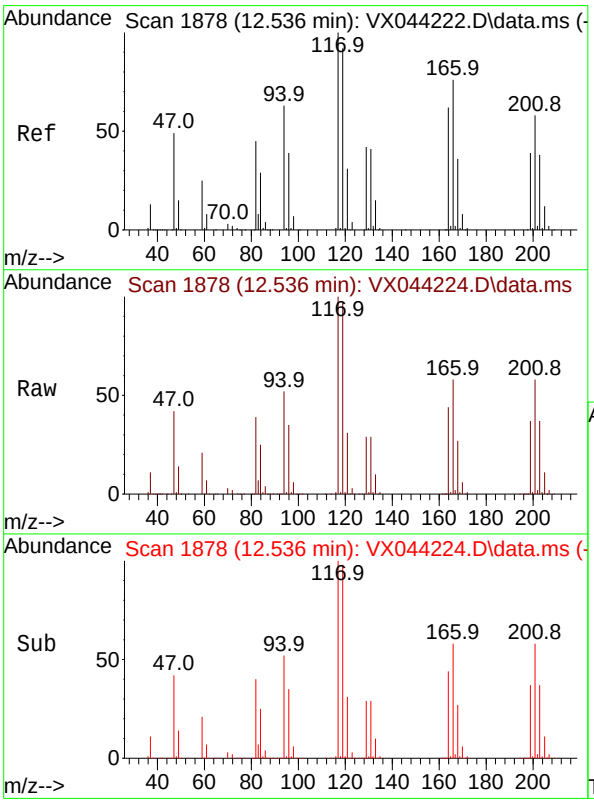
#89
n-Butylbenzene
Concen: 166.836 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 808399

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.7
134	25.0	12.6	37.8

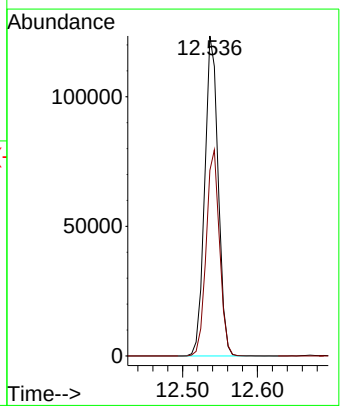


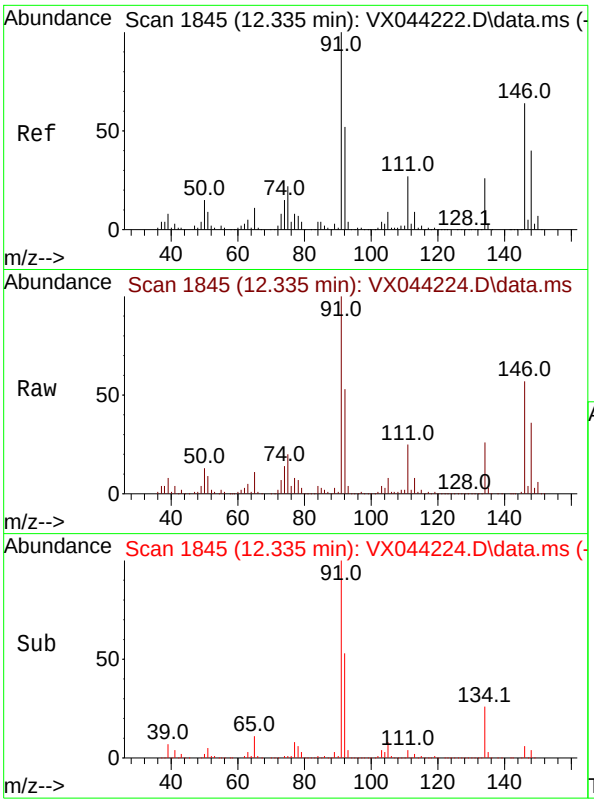


#90
Hexachloroethane
Concen: 183.942 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:117 Resp: 154726

Ion	Ratio	Lower	Upper
117	100		
201	63.5	31.4	94.2



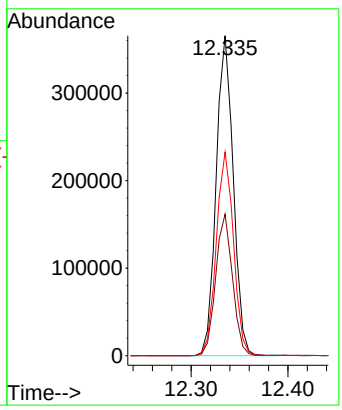


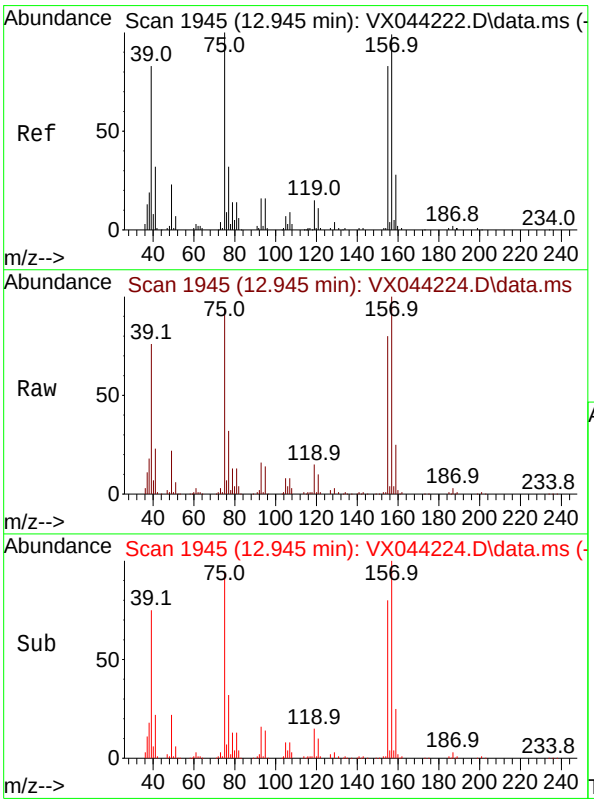
#91
1,2-Dichlorobenzene
Concen: 146.357 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 447931

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.4	64.3
148	64.2	31.6	95.0

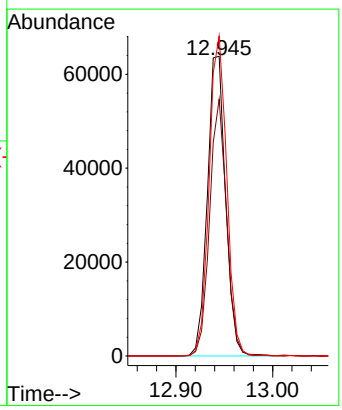


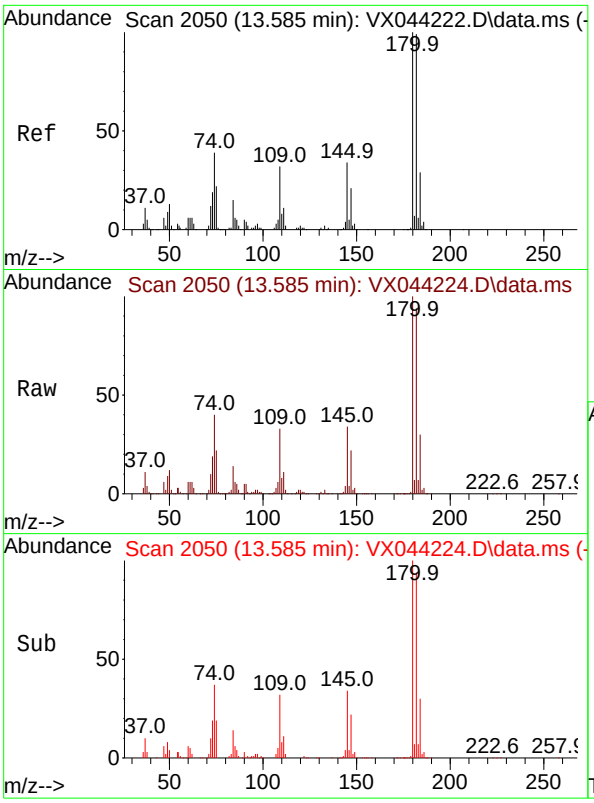


#92
1,2-Dibromo-3-Chloropropane
Concen: 178.106 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion: 75 Resp: 83565

Ion	Ratio	Lower	Upper
75	100		
155	79.8	38.1	114.3
157	103.3	47.2	141.6



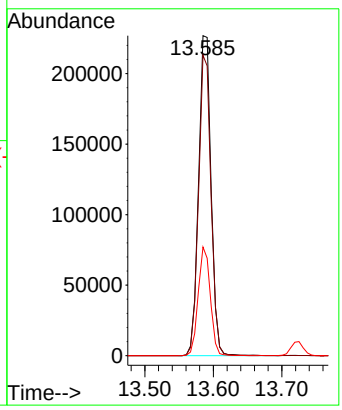


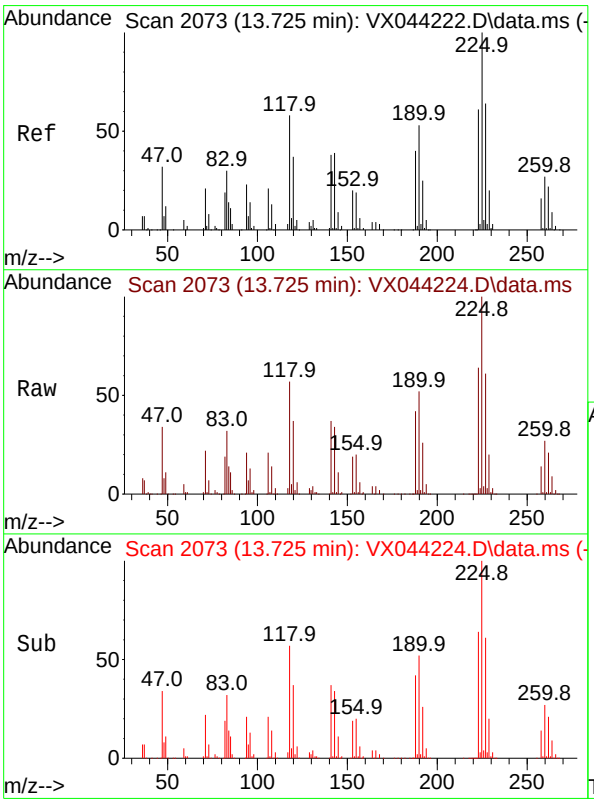
#93
1,2,4-Trichlorobenzene
Concen: 171.952 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 288519

Ion	Ratio	Lower	Upper
180	100		
182	93.3	48.0	144.2
145	33.0	16.6	49.7

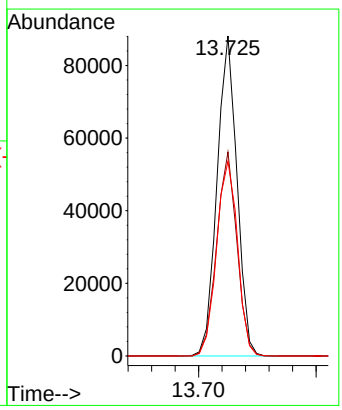


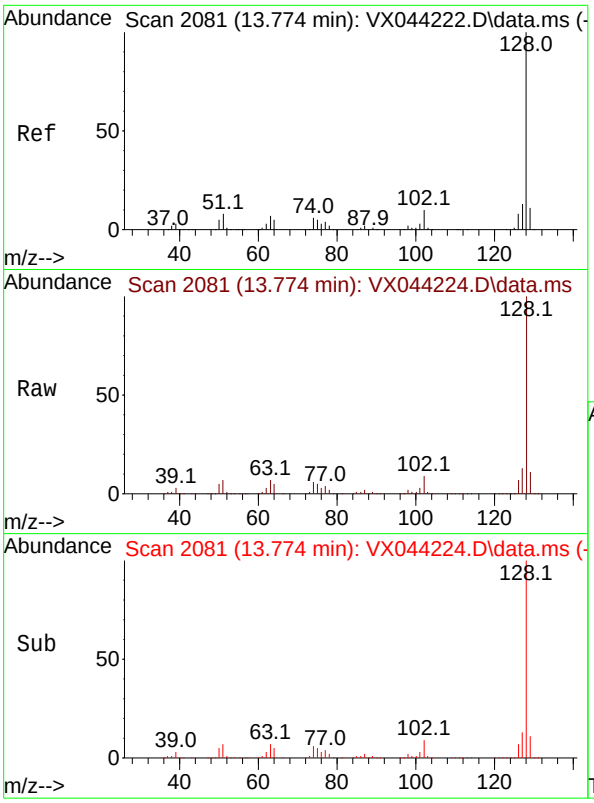


#94
Hexachlorobutadiene
Concen: 154.036 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:225 Resp: 103961

Ion	Ratio	Lower	Upper
225	100		
223	64.7	30.8	92.4
227	64.0	32.1	96.3



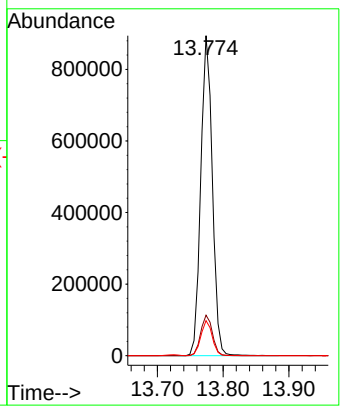


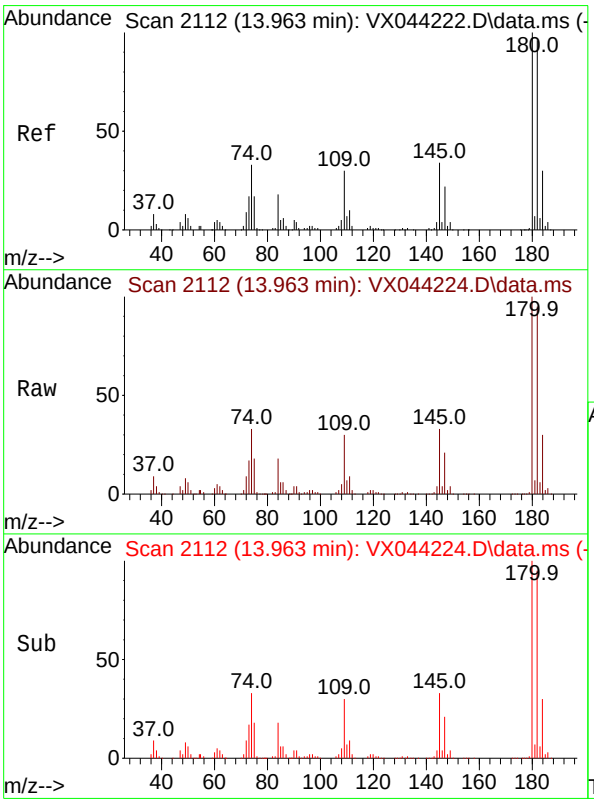
#95
Naphthalene
Concen: 167.187 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 1094997

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.8	9.0	13.4

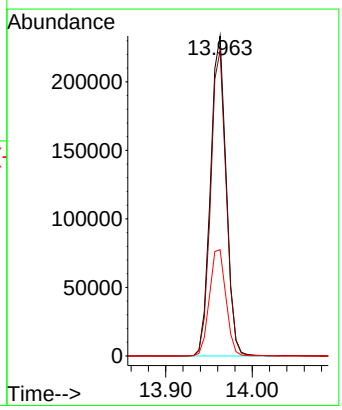




#96
1,2,3-Trichlorobenzene
Concen: 165.064 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044224.D
Acq: 11 Dec 2024 13:00

Tgt Ion:180 Resp: 293760

Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.0	144.0
145	34.9	17.7	53.1



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.544	168	134203	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	237295	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210572	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99879	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.952	65	107407	45.646 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.300%		
35) Dibromofluoromethane	5.379	113	77619	47.228 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.460%		
50) Toluene-d8	8.647	98	271508	48.968 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.940%		
62) 4-Bromofluorobenzene	11.079	95	97061	50.098 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.200%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.166	85	104566	50.390 ug/l	98
3) Chloromethane	1.294	50	92633	46.681 ug/l	98
4) Vinyl Chloride	1.374	62	97702	47.260 ug/l	97
5) Bromomethane	1.593	94	67357	45.926 ug/l	99
6) Chloroethane	1.666	64	62821	48.801 ug/l	100
7) Trichlorofluoromethane	1.867	101	203619	50.311 ug/l	99
8) Diethyl Ether	2.136	74	63075	45.658 ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	82498	50.374 ug/l	99
10) Methyl Iodide	2.441	142	100043	46.349 ug/l	100
11) Tert butyl alcohol	3.001	59	77494	233.680 ug/l	100
12) 1,1-Dichloroethene	2.306	96	74177	49.311 ug/l	99
13) Acrolein	2.233	56	111927	233.162 ug/l	97
14) Allyl chloride	2.654	41	124635	49.744 ug/l	100
15) Acrylonitrile	3.068	53	221037	240.620 ug/l	100
16) Acetone	2.386	43	260267	271.312 ug/l	98
17) Carbon Disulfide	2.501	76	149824	52.397 ug/l	98
18) Methyl Acetate	2.709	43	115569	46.725 ug/l	93
19) Methyl tert-butyl Ether	3.117	73	281413	47.940 ug/l	99
20) Methylene Chloride	2.782	84	83188	46.170 ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	77471	48.459 ug/l	98
22) Diisopropyl ether	3.763	45	264732	46.922 ug/l	98
23) Vinyl Acetate	3.721	43	1185779	258.510 ug/l	99
24) 1,1-Dichloroethane	3.605	63	151134	48.056 ug/l	98
25) 2-Butanone	4.562	43	346052	253.747 ug/l	100
26) 2,2-Dichloropropane	4.465	77	140196	54.872 ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	94838	46.709 ug/l	99
28) Bromochloromethane	4.891	49	69139	44.832 ug/l	99
29) Tetrahydrofuran	5.007	42	208362	238.031 ug/l	98
30) Chloroform	5.092	83	163372	46.235 ug/l	94
31) Cyclohexane	5.458	56	125567	49.443 ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	146348	49.895 ug/l	99
36) 1,1-Dichloropropene	5.684	75	106889	50.314 ug/l	98
37) Ethyl Acetate	4.721	43	137017	52.176 ug/l	99
38) Carbon Tetrachloride	5.672	117	118390	51.763 ug/l	97
39) Methylcyclohexane	7.373	83	139077	54.761 ug/l	99
40) Benzene	6.031	78	316391	49.052 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	68251	48.945 ug/l	98
42) 1,2-Dichloroethane	6.086	62	132744	49.960 ug/l	100
43) Isopropyl Acetate	6.342	43	211889	51.624 ug/l	100
44) Trichloroethene	7.123	130	80008	49.741 ug/l	98
45) 1,2-Dichloropropane	7.427	63	78321	47.528 ug/l	98
46) Dibromomethane	7.574	93	65491	51.227 ug/l	99
47) Bromodichloromethane	7.818	83	116783	52.893 ug/l	99
48) Methyl methacrylate	7.690	41	101318	50.852 ug/l	98
49) 1,4-Dioxane	7.665	88	26140	791.313 ug/l #	71
51) 4-Methyl-2-Pentanone	8.574	43	673069	255.038 ug/l	99
52) Toluene	8.714	92	199281	49.199 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	120696	50.864 ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	128875	53.607 ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	81362	50.562 ug/l	96
56) Ethyl methacrylate	9.116	69	134357	52.890 ug/l	98
57) 1,3-Dichloropropane	9.305	76	137705	49.165 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	332599	259.586 ug/l	100
59) 2-Hexanone	9.433	43	519476	271.943 ug/l	99
60) Dibromochloromethane	9.518	129	83515	49.073 ug/l	99
61) 1,2-Dibromoethane	9.610	107	85024	51.909 ug/l	97
64) Tetrachloroethene	9.269	164	66669	47.702 ug/l	98
65) Chlorobenzene	10.079	112	217180	48.133 ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	74531	51.396 ug/l	100
67) Ethyl Benzene	10.189	91	385605	49.461 ug/l	99
68) m/p-Xylenes	10.299	106	285774	99.896 ug/l	99
69) o-Xylene	10.640	106	144001	49.750 ug/l	98
70) Styrene	10.652	104	239508	51.617 ug/l	98
71) Bromoform	10.799	173	50972	50.269 ug/l #	99
73) Isopropylbenzene	10.963	105	374769	49.014 ug/l	99
74) N-amyl acetate	10.841	43	183763	52.003 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	126615	47.676 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	138398	62.060 ug/l	85
77) Bromobenzene	11.195	156	87767	47.335 ug/l	99
78) n-propylbenzene	11.305	91	429443	50.816 ug/l	99
79) 2-Chlorotoluene	11.366	91	259860	47.546 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	313435	49.431 ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	37038	47.861 ug/l	97
82) 4-Chlorotoluene	11.451	91	297641	49.178 ug/l	100
83) tert-Butylbenzene	11.713	119	309463	49.384 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	313433	50.333 ug/l	100
85) sec-Butylbenzene	11.890	105	381109	50.097 ug/l	100
86) p-Isopropyltoluene	12.006	119	320882	50.678 ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	159094	49.122 ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	160742	48.280 ug/l	99
89) n-Butylbenzene	12.329	91	283284	53.207 ug/l	99
90) Hexachloroethane	12.536	117	48734	52.727 ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	160039	47.589 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	26738	51.864 ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	99449	53.940 ug/l	98
94) Hexachlorobutadiene	13.725	225	37651	50.770 ug/l	98
95) Naphthalene	13.774	128	365781	50.827 ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	100209	51.244 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

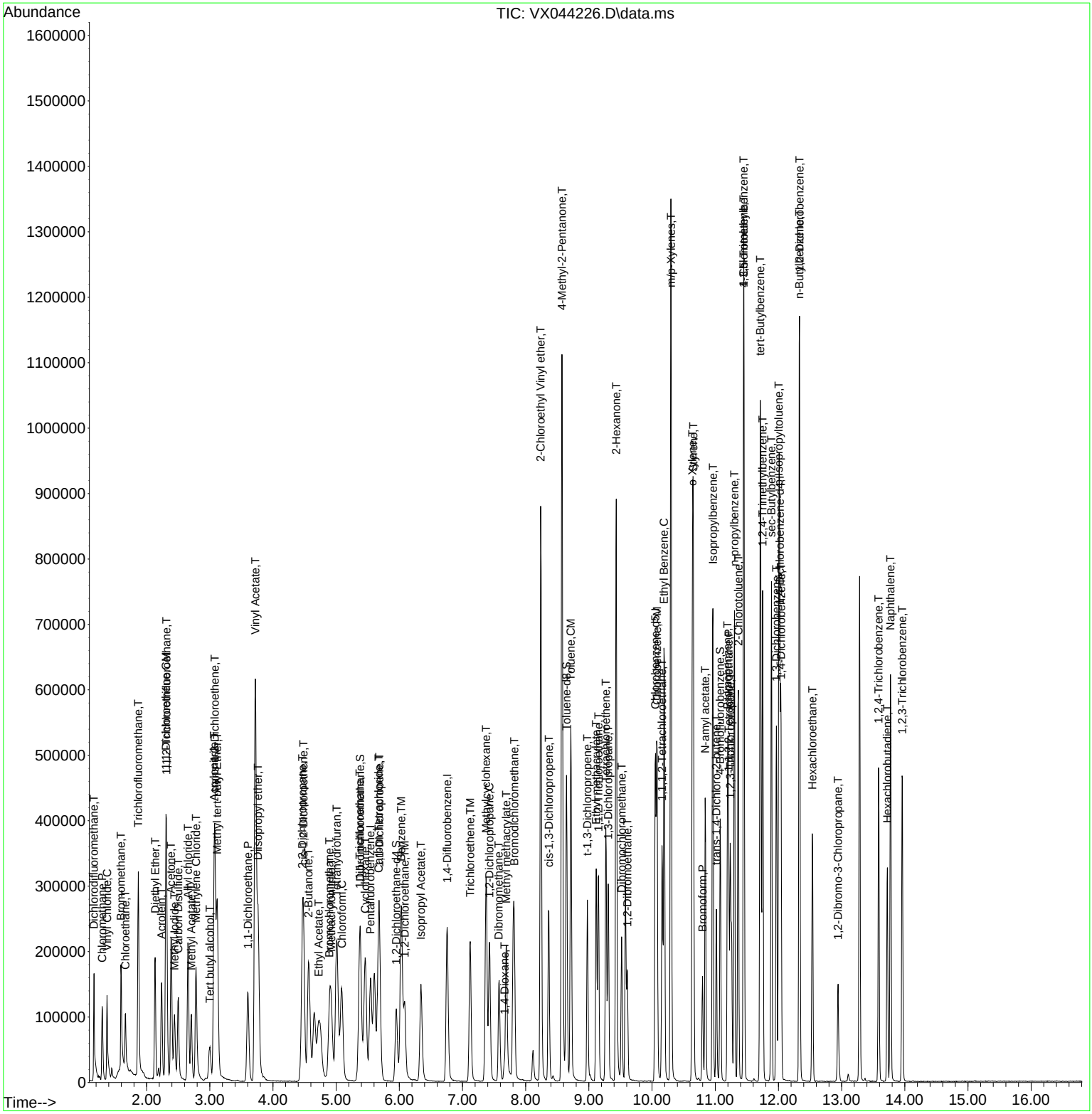
(#) = qualifier out of range (m) = manual integration (+) = signals summed

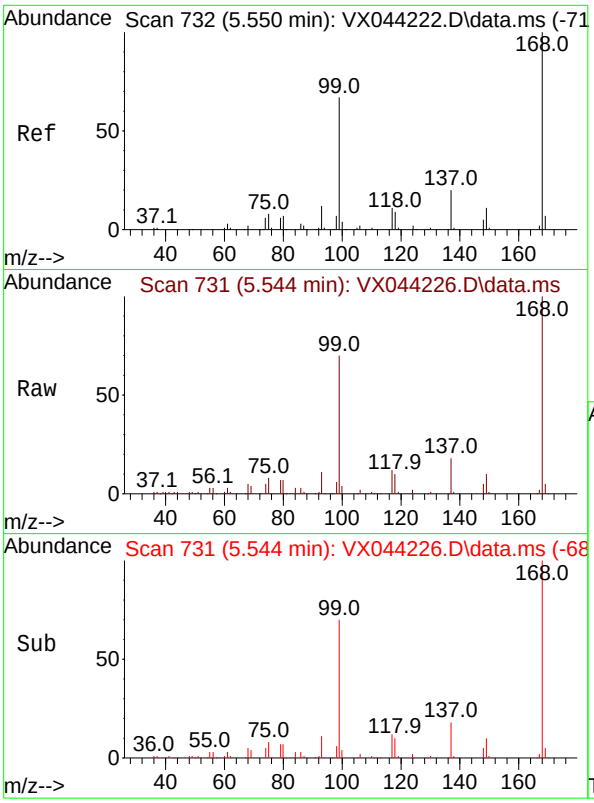
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



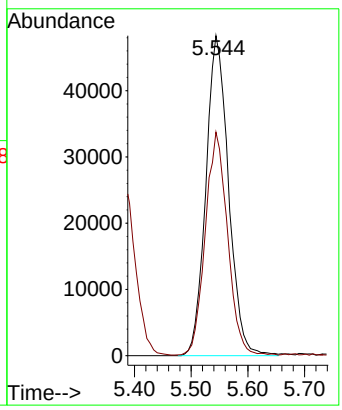


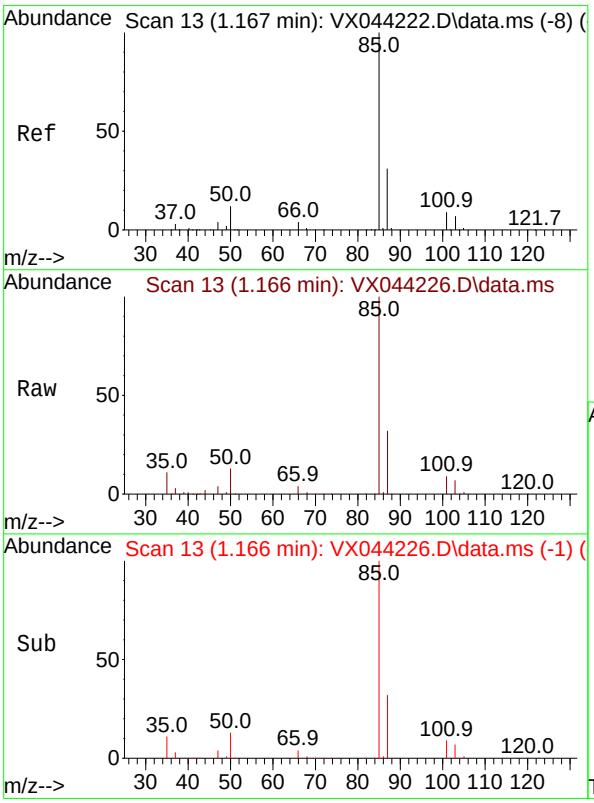
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion:168 Resp: 134203

Ion	Ratio	Lower	Upper
168	100		
99	69.7	53.4	80.0

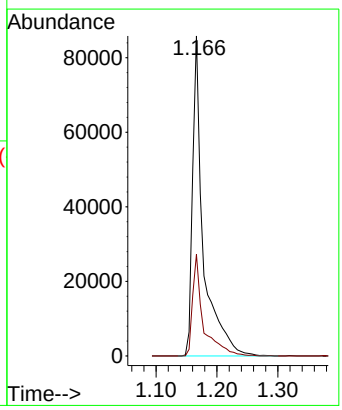


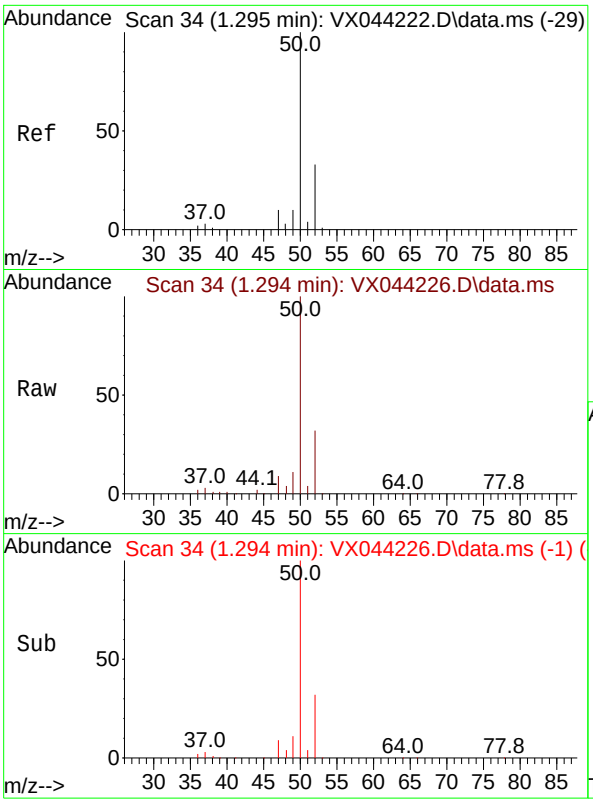


#2
Dichlorodifluoromethane
Concen: 50.390 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 85 Resp: 104566

Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.4	46.4



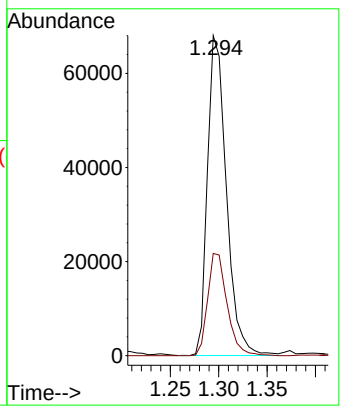


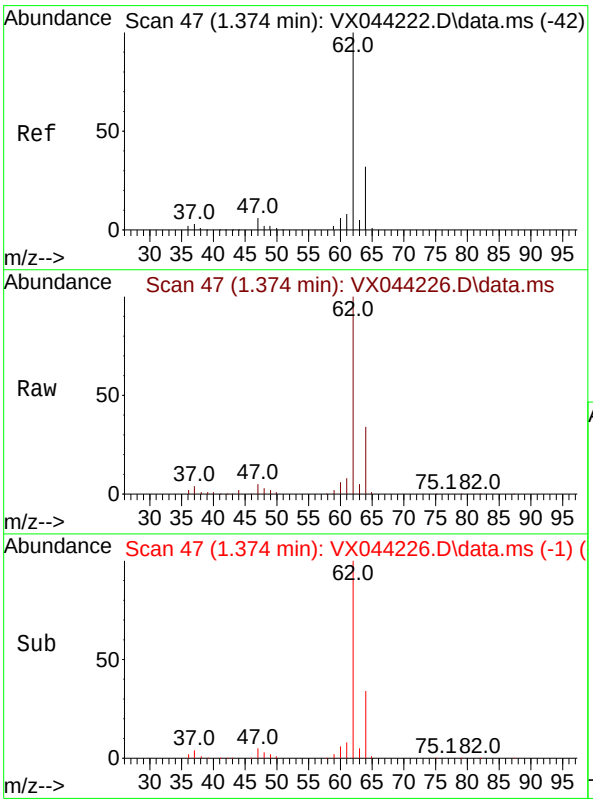
#3
Chloromethane
Concen: 46.681 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 50 Resp: 92633

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.5	39.7

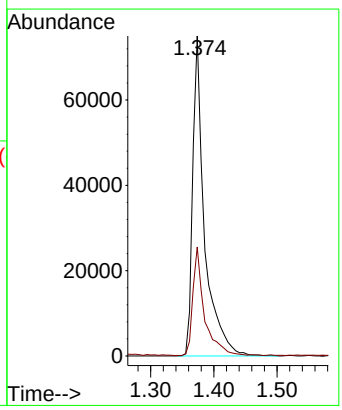


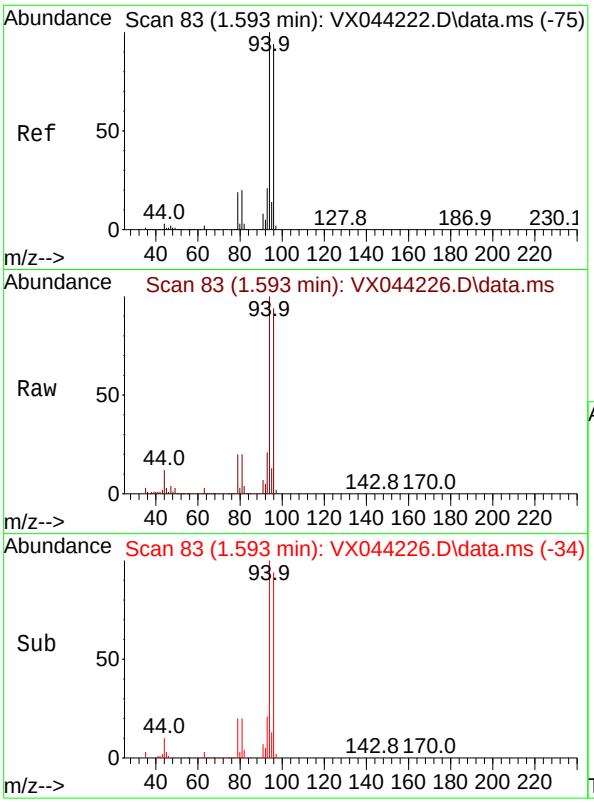


#4
Vinyl Chloride
Concen: 47.260 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 62 Resp: 97702

Ion	Ratio	Lower	Upper
62	100		
64	33.9	25.7	38.5



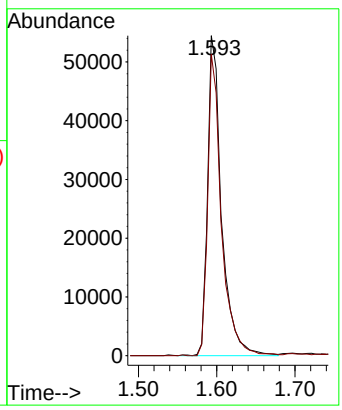


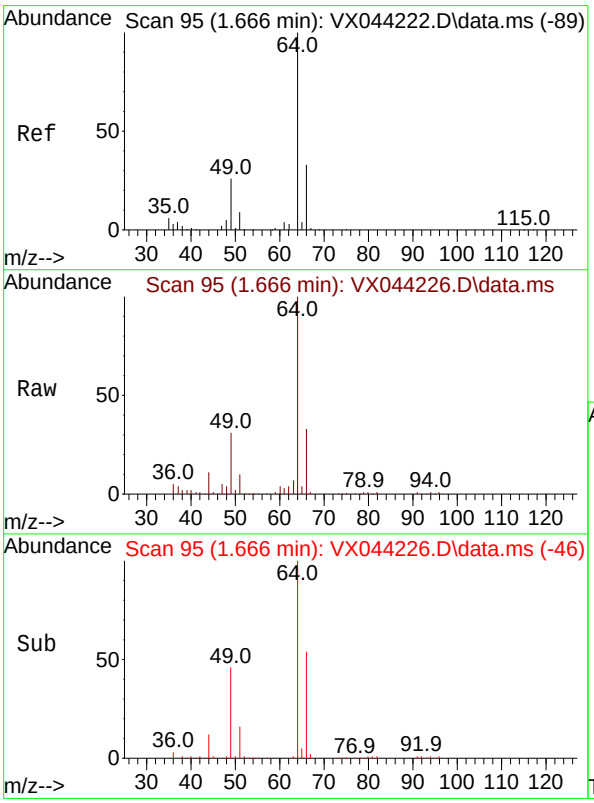
#5
Bromomethane
Concen: 45.926 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 94 Resp: 67357

Ion	Ratio	Lower	Upper
94	100		
96	94.2	74.9	112.3

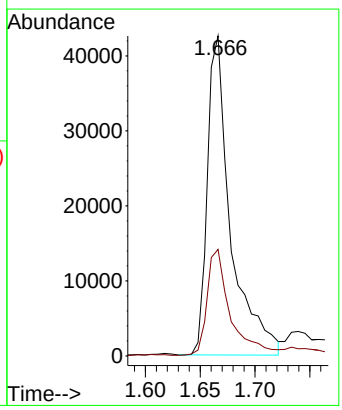


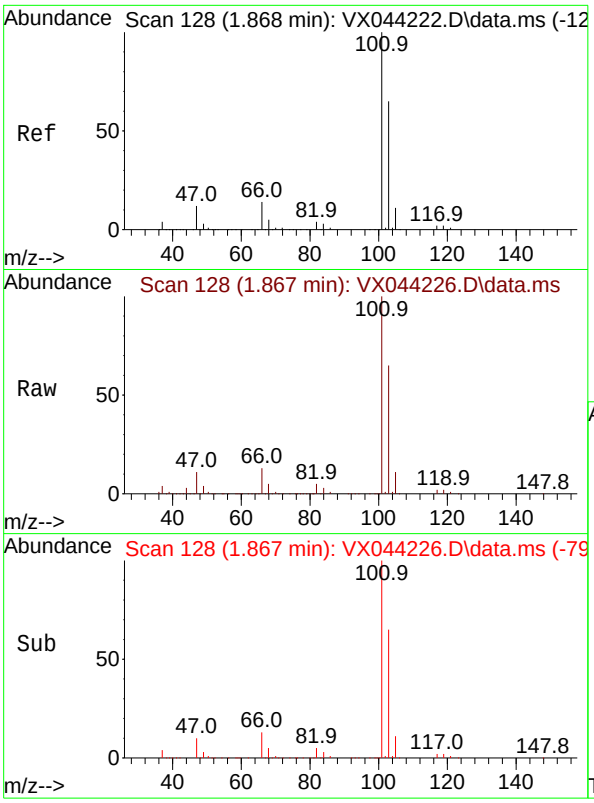


#6
Chloroethane
Concen: 48.801 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 64 Resp: 62821

Ion	Ratio	Lower	Upper
64	100		
66	33.2	26.6	39.8



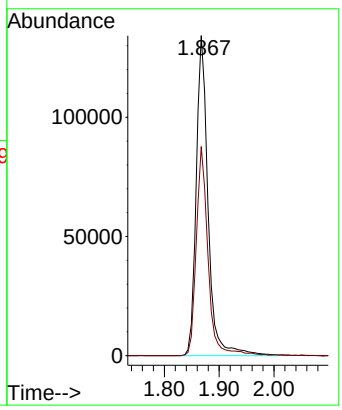


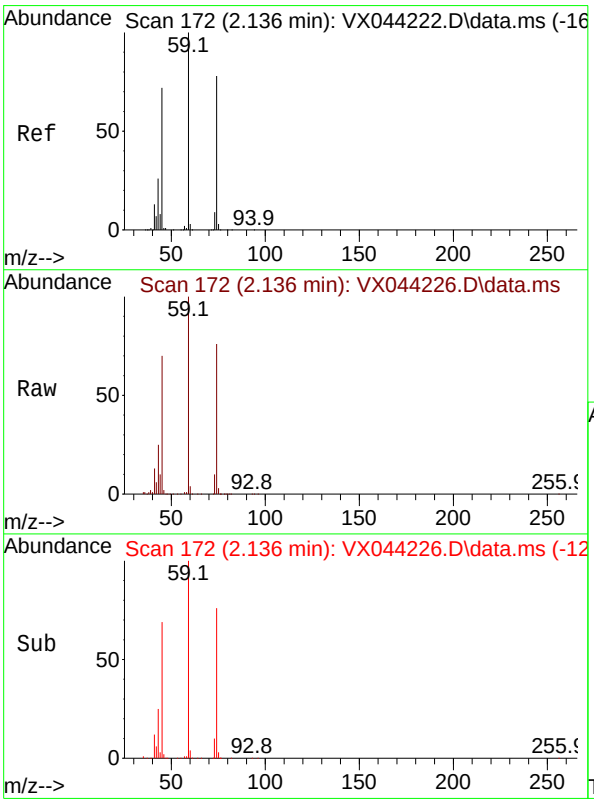
#7
Trichlorofluoromethane
Concen: 50.311 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion:101 Resp: 203619

Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.8	77.8

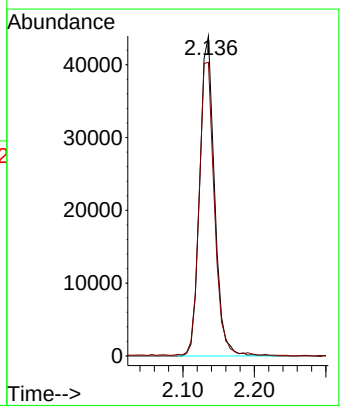


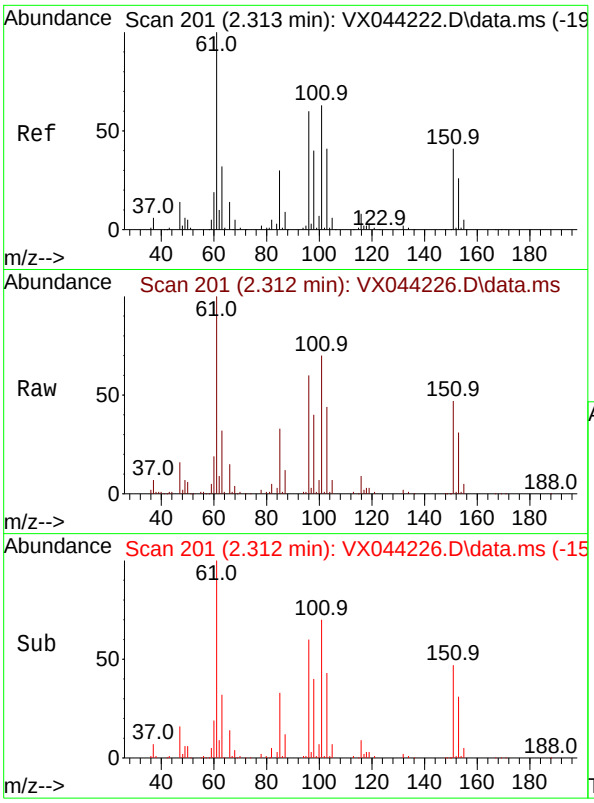


#8
Diethyl Ether
Concen: 45.658 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 74 Resp: 63075

Ion	Ratio	Lower	Upper
74	100		
45	94.4	48.4	145.0



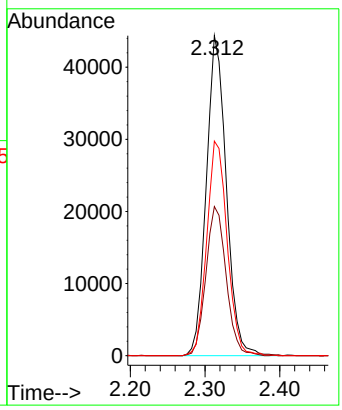


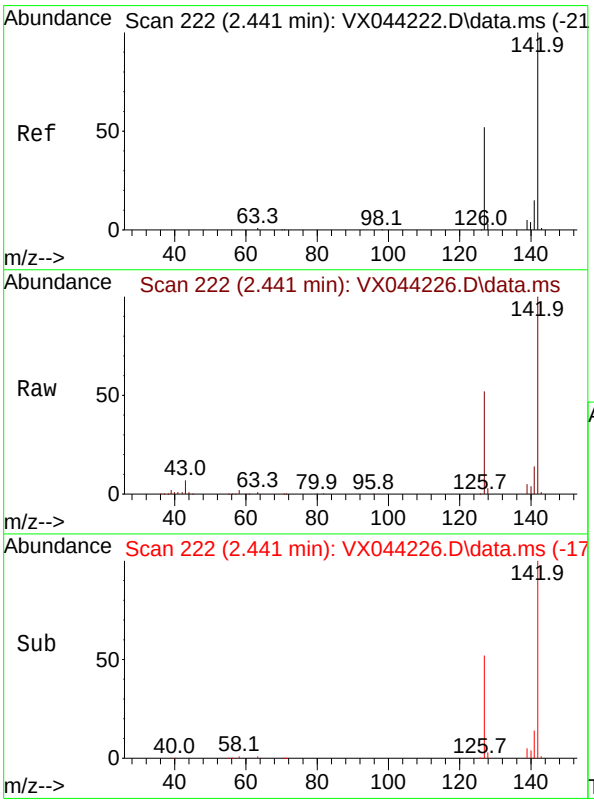
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.374 ug/l
RT: 2.312 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion:101 Resp: 82498

Ion	Ratio	Lower	Upper
101	100		
85	47.1	38.5	57.7
151	68.6	55.8	83.6

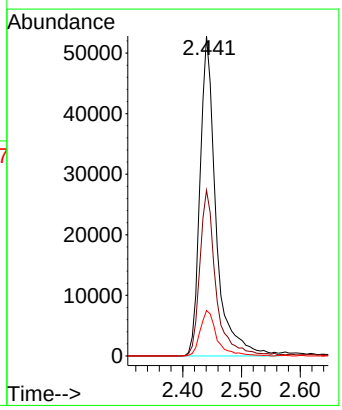


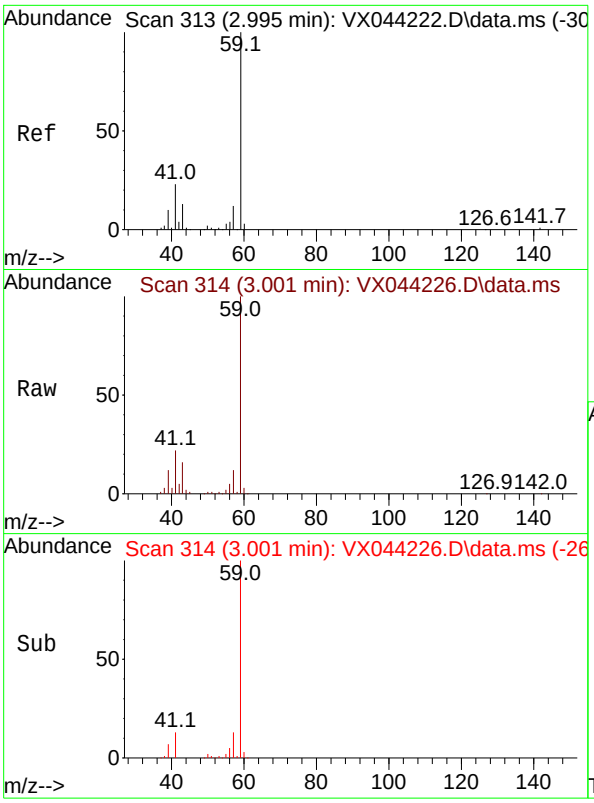


#10
Methyl Iodide
Concen: 46.349 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:142 Resp: 100043

Ion	Ratio	Lower	Upper
142	100		
127	52.3	41.8	62.8
141	14.8	11.5	17.3



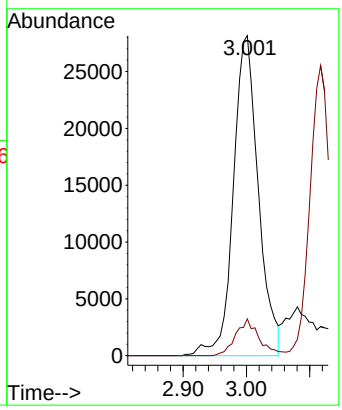


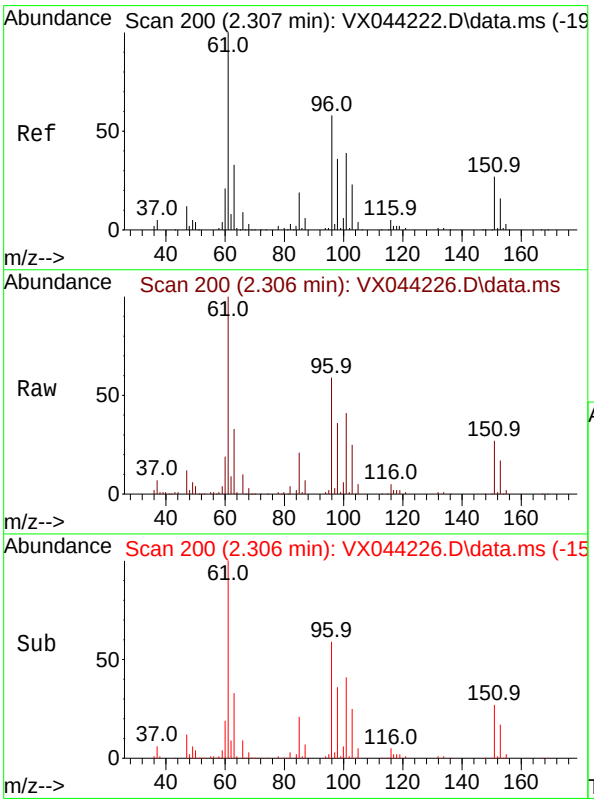
#11
Tert butyl alcohol
Concen: 233.680 ug/l
RT: 3.001 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 59 Resp: 77494

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.8	13.2

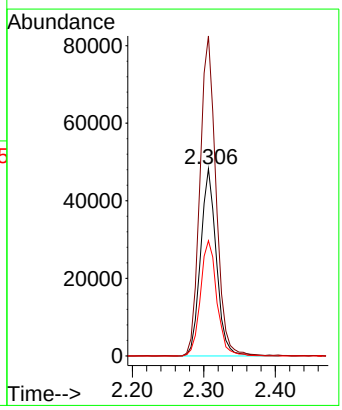


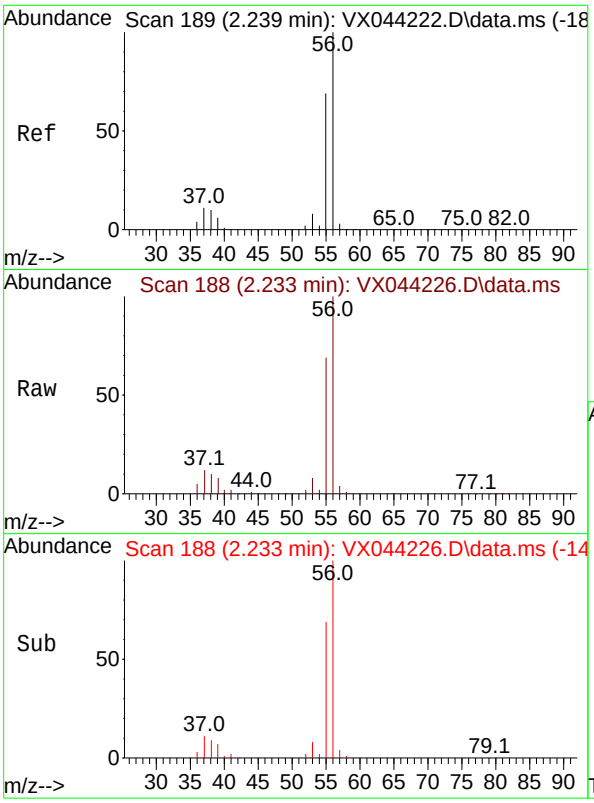


#12
1,1-Dichloroethene
Concen: 49.311 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 96 Resp: 74177

Ion	Ratio	Lower	Upper
96	100		
61	170.9	138.0	207.0
98	61.6	50.0	75.0



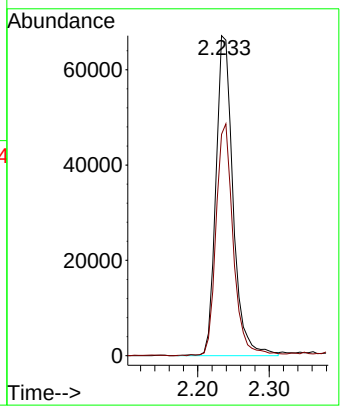


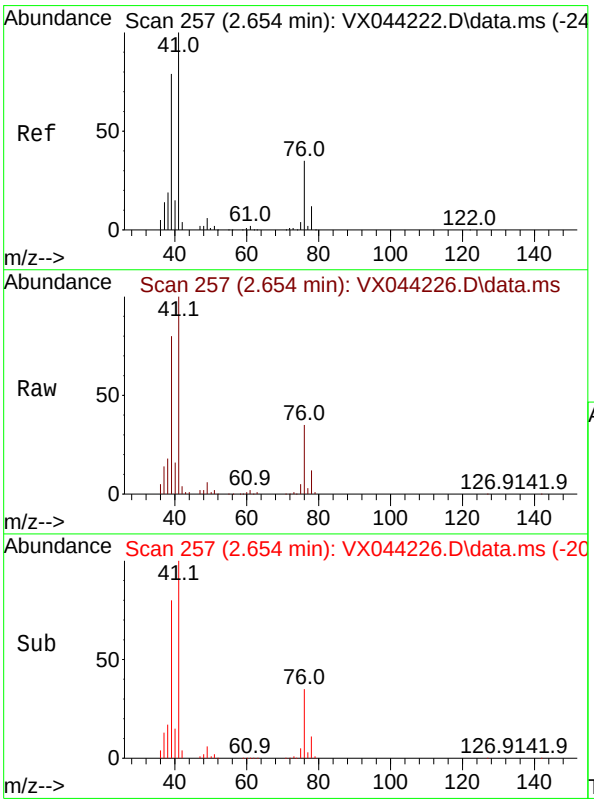
#13
Acrolein
Concen: 233.162 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 56 Resp: 111927

Ion	Ratio	Lower	Upper
56	100		
55	72.8	56.6	84.8

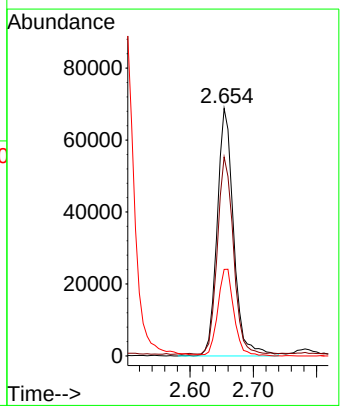


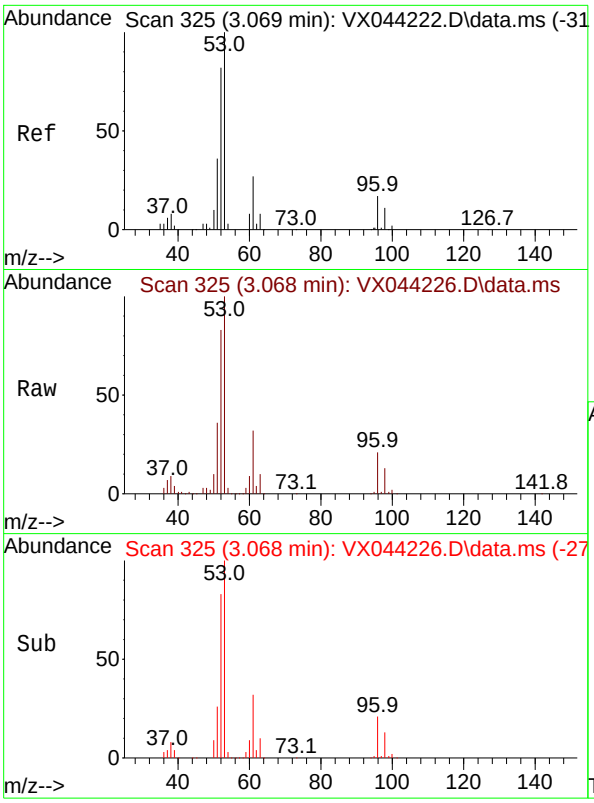


#14
Allyl chloride
Concen: 49.744 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 41 Resp: 124635

Ion	Ratio	Lower	Upper
41	100		
39	77.3	61.9	92.9
76	34.4	27.4	41.2



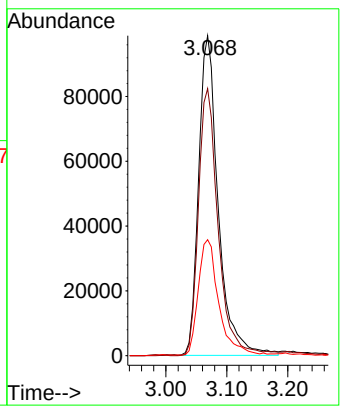


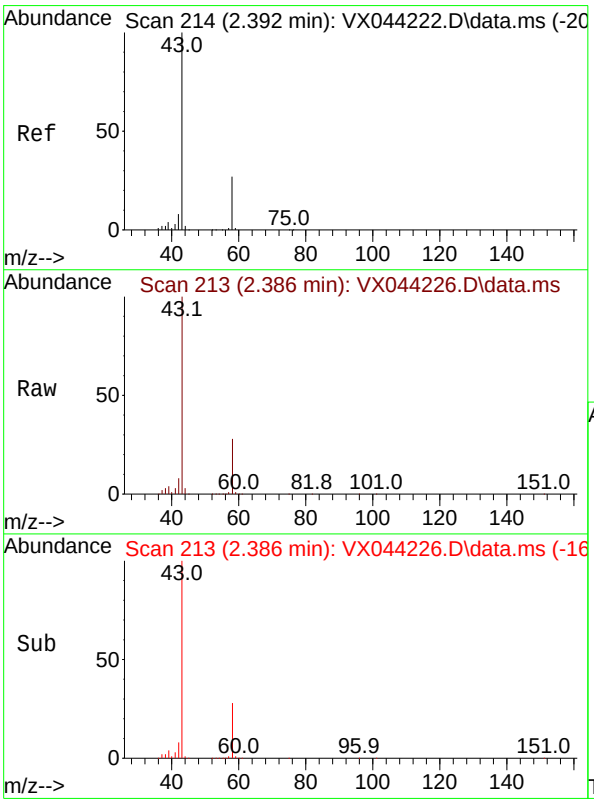
#15
Acrylonitrile
Concen: 240.620 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 53 Resp: 221037

Ion	Ratio	Lower	Upper
53	100		
52	84.3	67.4	101.0
51	37.6	30.3	45.5

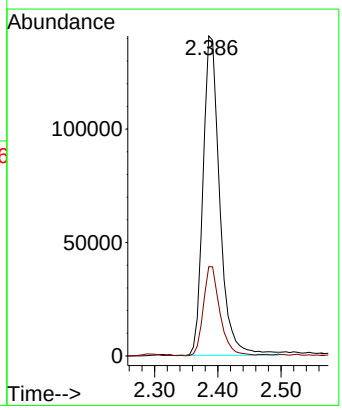


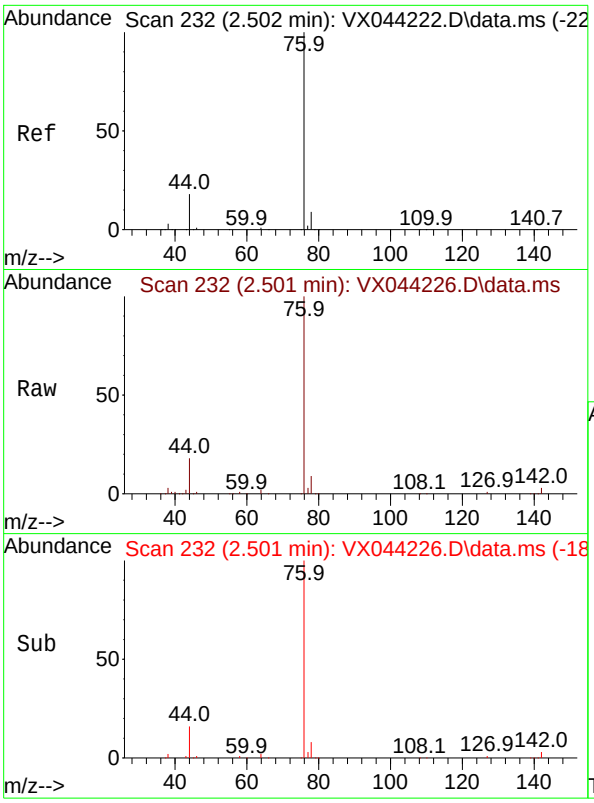


#16
Acetone
Concen: 271.312 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 260267

Ion	Ratio	Lower	Upper
43	100		
58	27.8	21.6	32.4



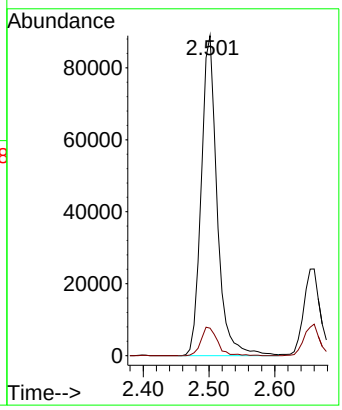


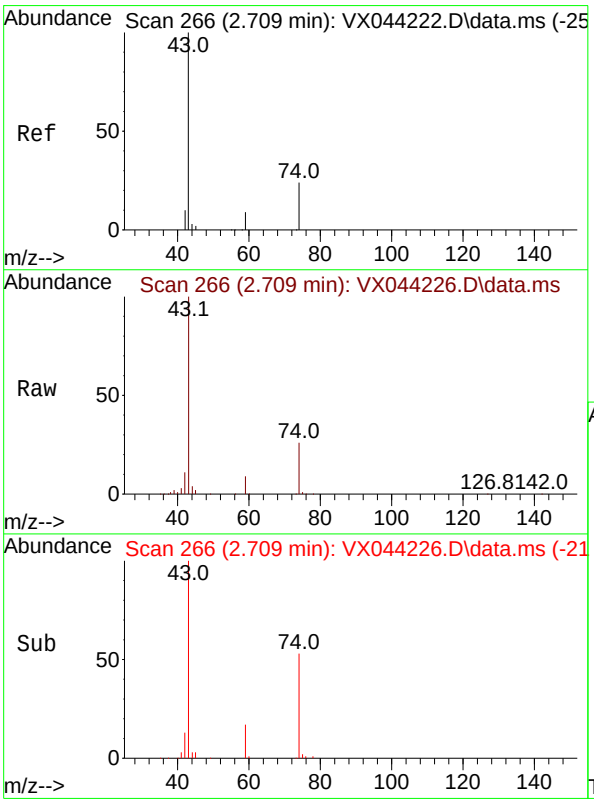
#17
Carbon Disulfide
Concen: 52.397 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 76 Resp: 149824

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.4	11.0

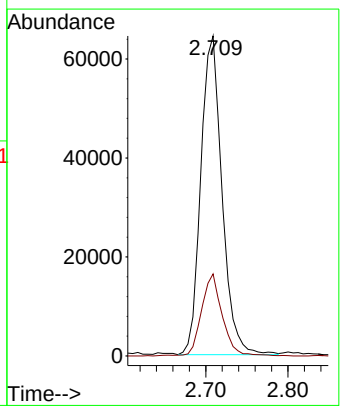


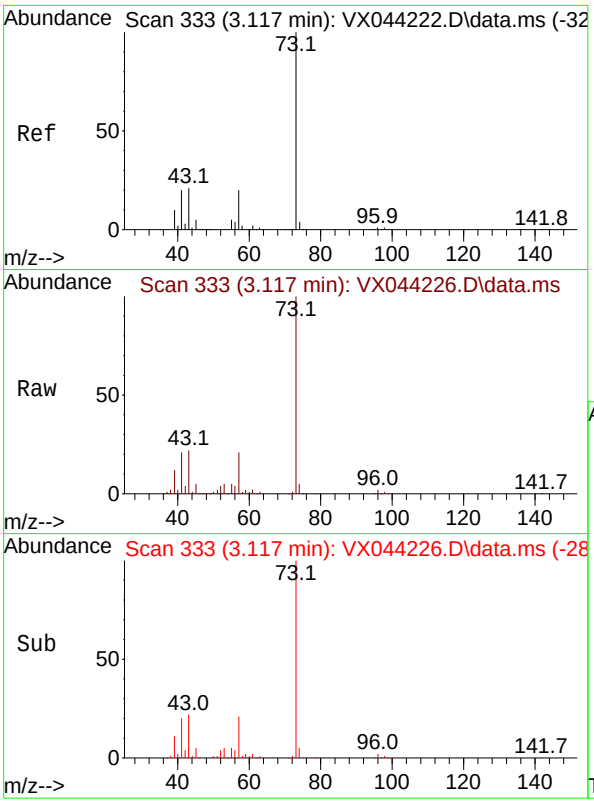


#18
Methyl Acetate
Concen: 46.725 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 115569

Ion	Ratio	Lower	Upper
43	100		
74	25.3	17.7	26.5



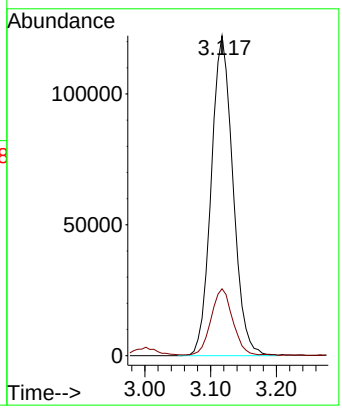


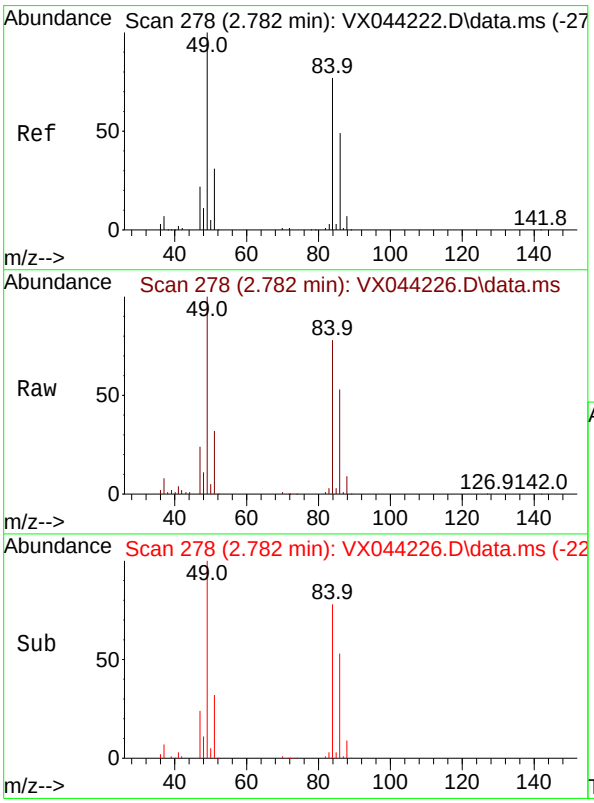
#19
Methyl tert-butyl Ether
Concen: 47.940 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 73 Resp: 281413

Ion	Ratio	Lower	Upper
73	100		
57	20.8	16.2	24.4

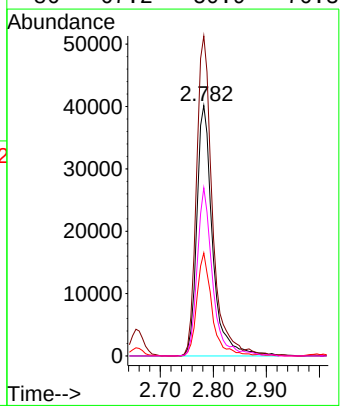


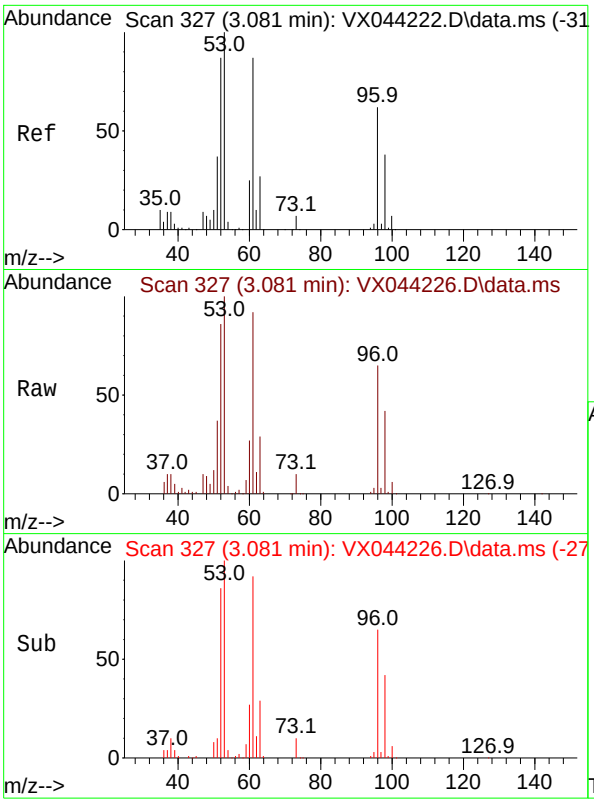


#20
Methylene Chloride
Concen: 46.170 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 84 Resp: 83188

Ion	Ratio	Lower	Upper
84	100		
49	127.6	104.2	156.4
51	41.1	32.2	48.4
86	67.2	50.9	76.3



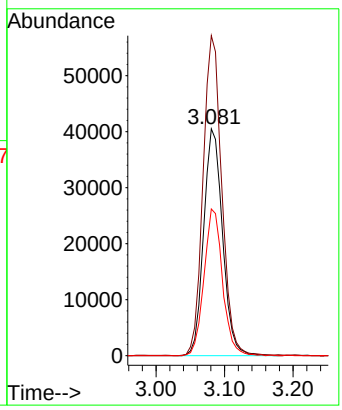


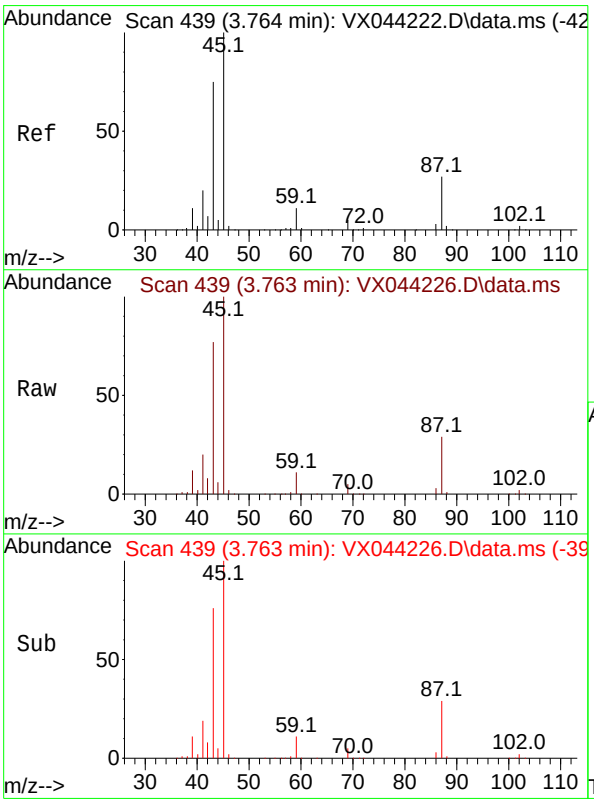
#21
trans-1,2-Dichloroethene
Concen: 48.459 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 96 Resp: 77471

Ion	Ratio	Lower	Upper
96	100		
61	141.0	112.0	168.0
98	64.7	48.8	73.2

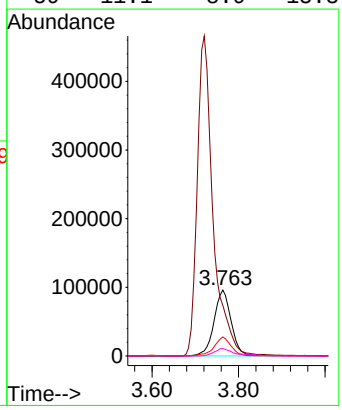


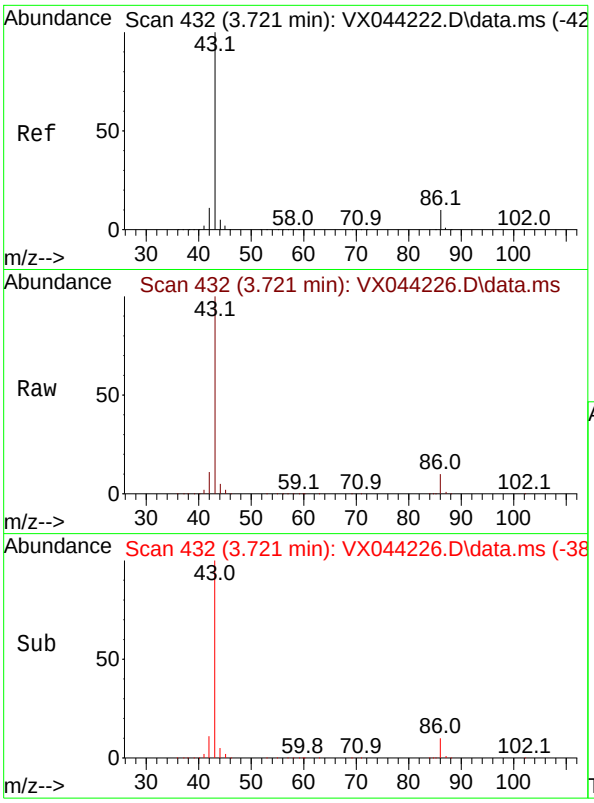


#22
Diisopropyl ether
Concen: 46.922 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 45 Resp: 264732

Ion	Ratio	Lower	Upper
45	100		
43	76.6	60.2	90.2
87	28.8	21.2	31.8
59	11.1	8.9	13.3



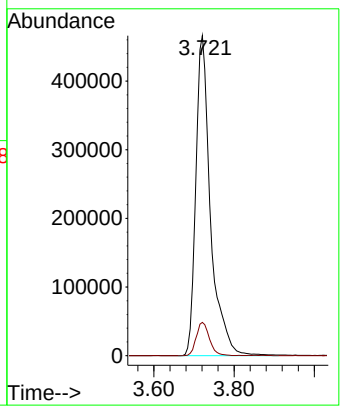


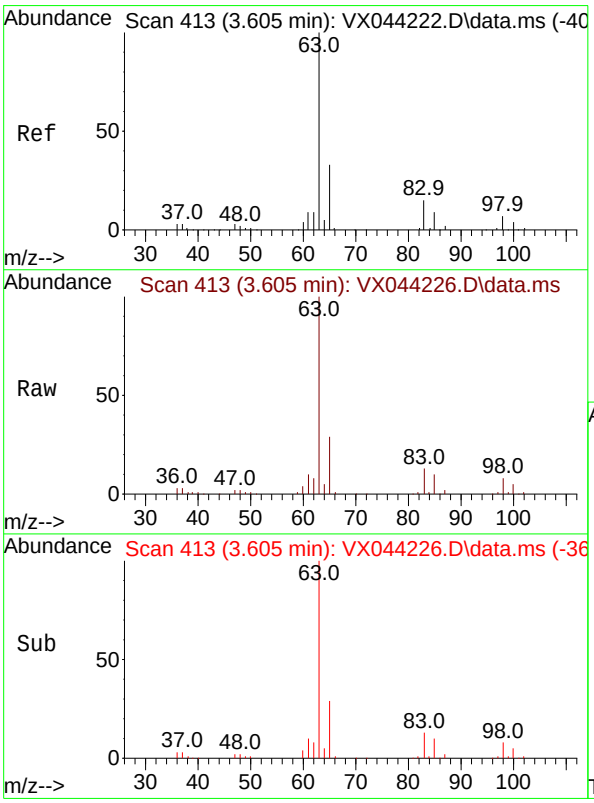
#23
Vinyl Acetate
Concen: 258.510 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 43 Resp: 1185779

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.2	12.2

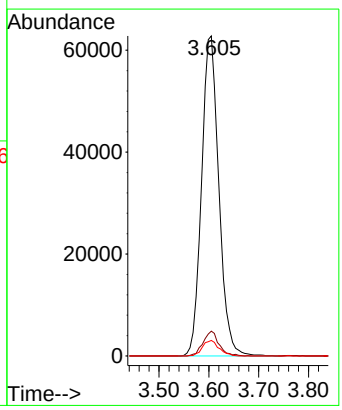


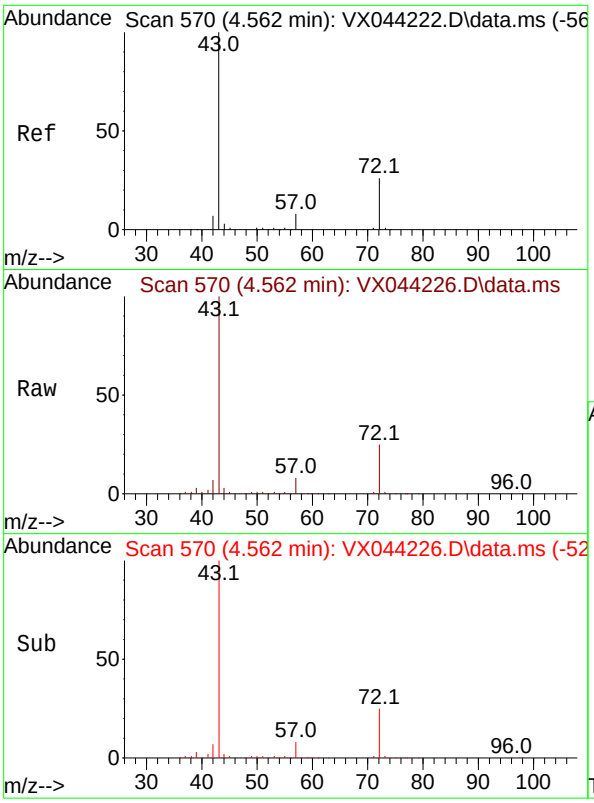


#24
1,1-Dichloroethane
Concen: 48.056 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 63 Resp: 151134

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.6	10.8
100	4.8	2.1	6.3



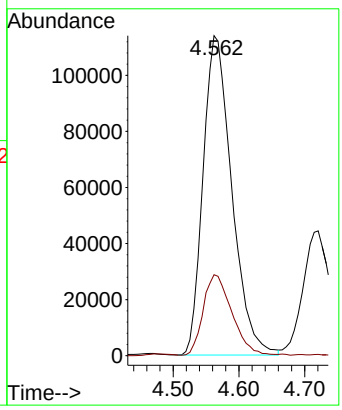


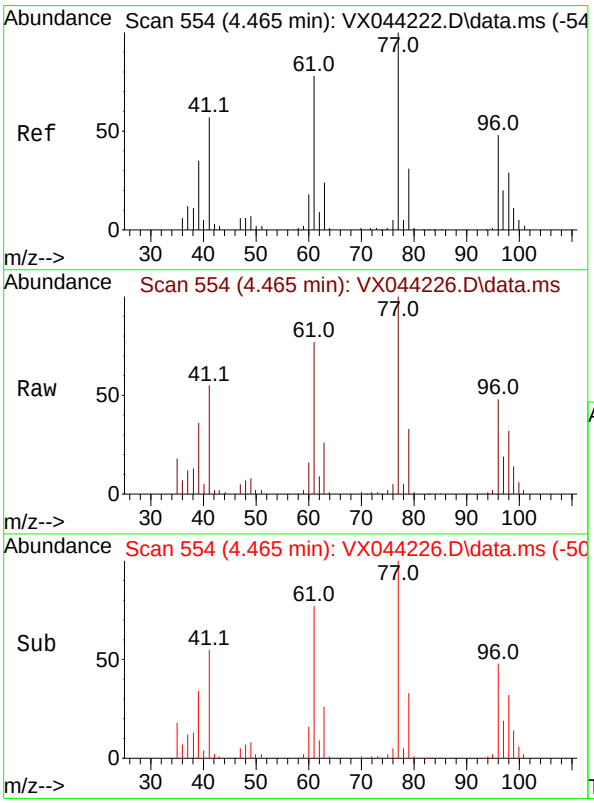
#25
2-Butanone
Concen: 253.747 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 43 Resp: 346052

Ion	Ratio	Lower	Upper
43	100		
72	25.2	20.2	30.4

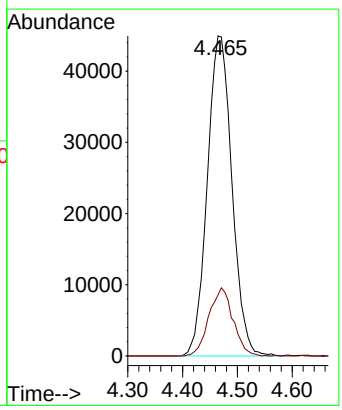


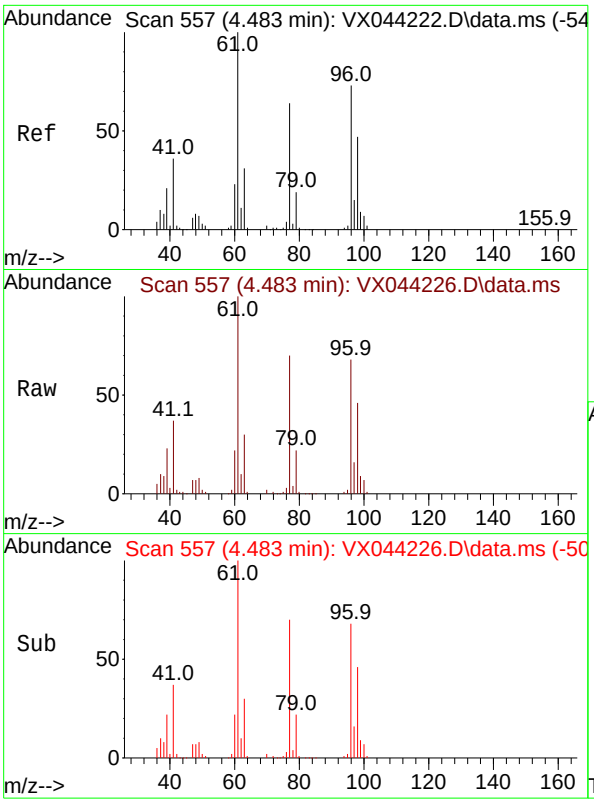


#26
2,2-Dichloropropane
Concen: 54.872 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 77 Resp: 140196

Ion	Ratio	Lower	Upper
77	100		
97	20.8	10.7	32.1



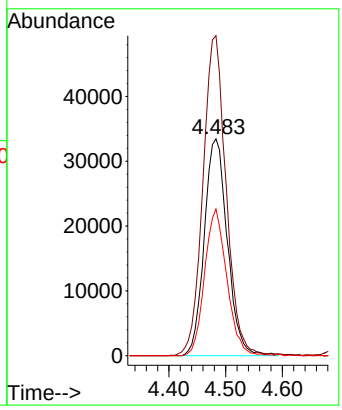


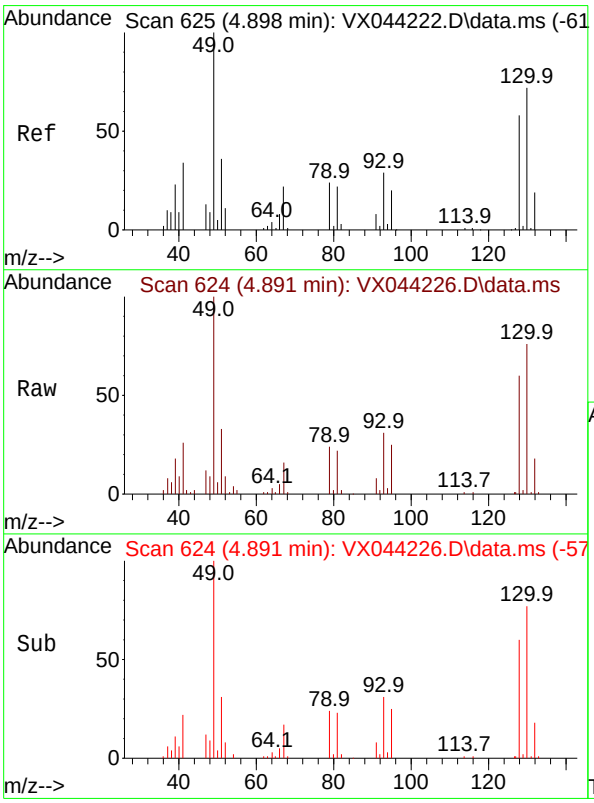
#27
cis-1,2-Dichloroethene
Concen: 46.709 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 96 Resp: 94838

Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	299.0
98	64.9	0.0	129.0

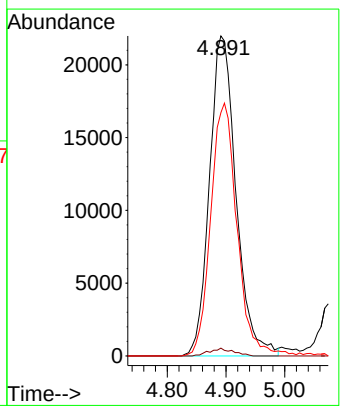


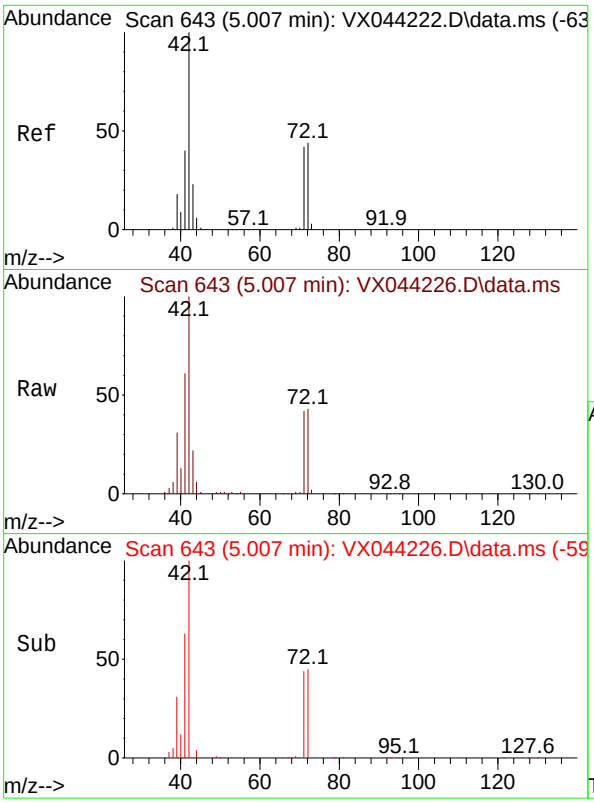


#28
Bromochloromethane
Concen: 44.832 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 49 Resp: 69139

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	78.1	62.1	93.1



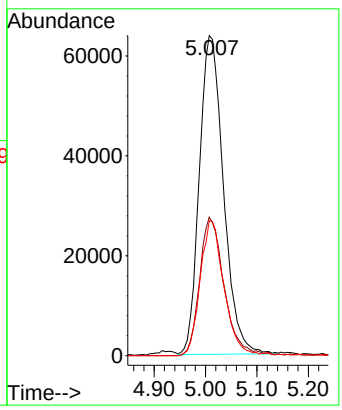


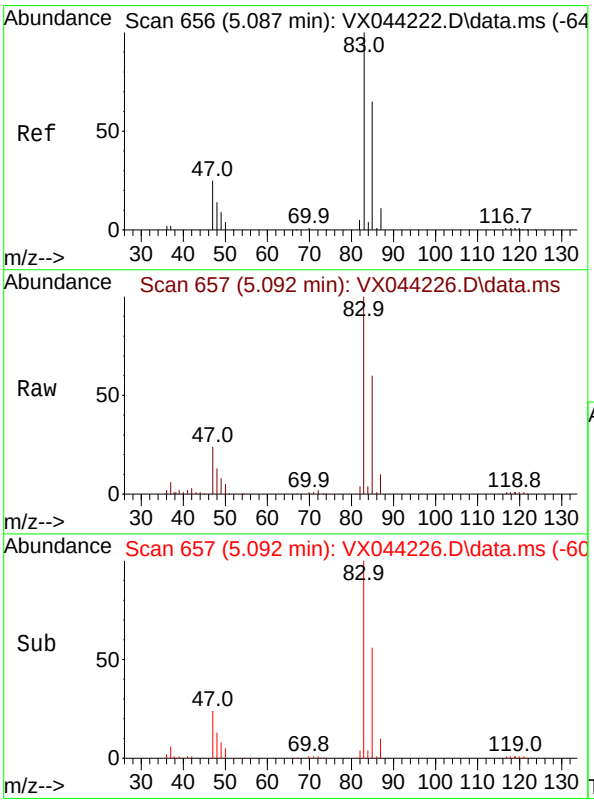
#29
Tetrahydrofuran
Concen: 238.031 ug/l
RT: 5.007 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 42 Resp: 208362

Ion	Ratio	Lower	Upper
42	100		
72	44.2	37.0	55.6
71	41.5	33.6	50.4

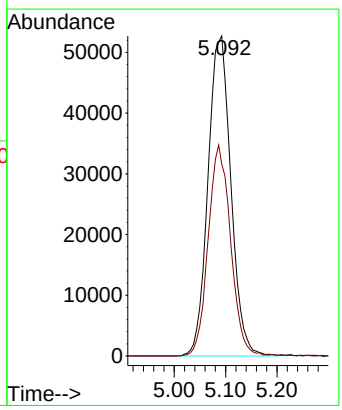


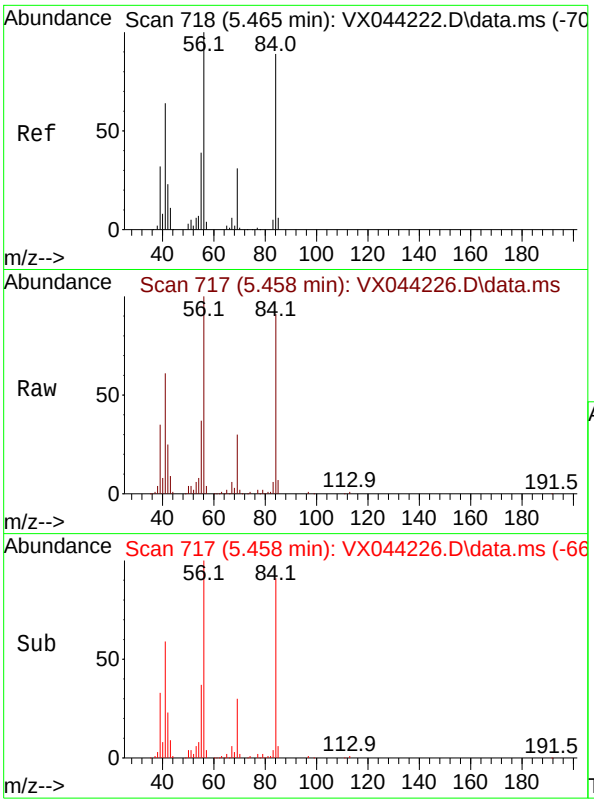


#30
Chloroform
Concen: 46.235 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 83 Resp: 163372

Ion	Ratio	Lower	Upper
83	100		
85	60.0	51.6	77.4



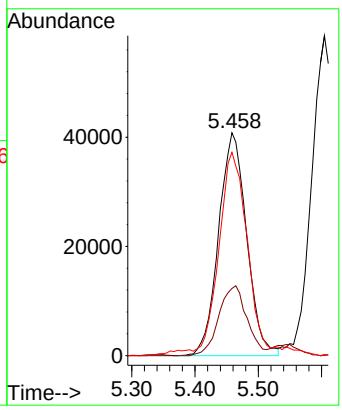


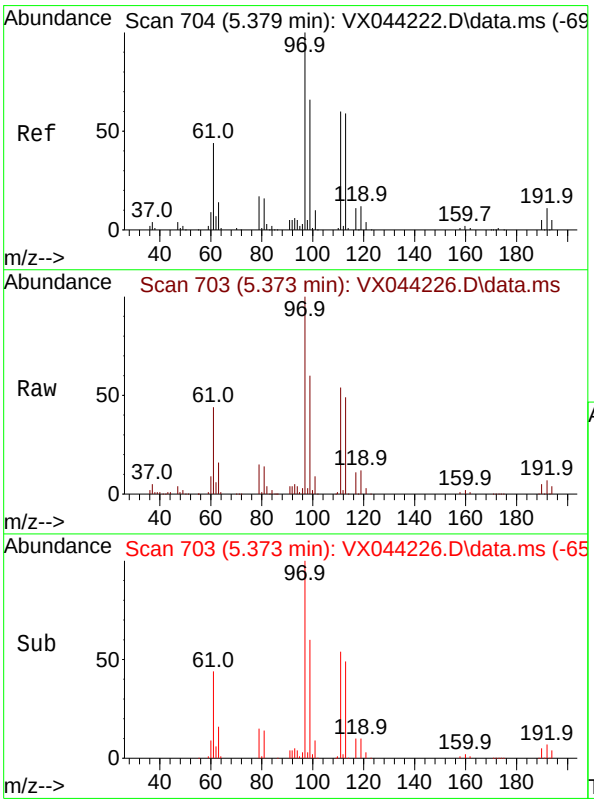
#31
Cyclohexane
Concen: 49.443 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 56 Resp: 125567

Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.7	37.1
84	88.8	71.0	106.6

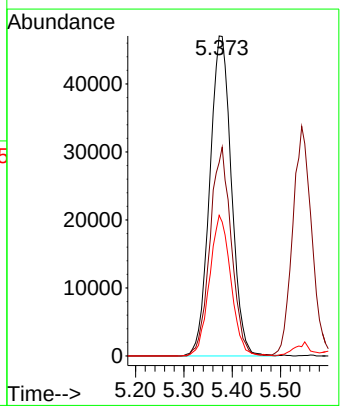


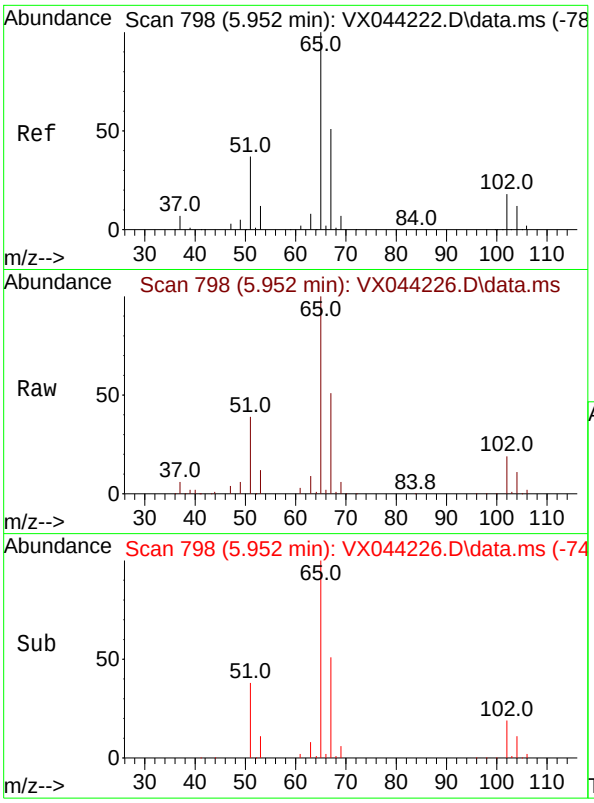


#32
1,1,1-Trichloroethane
Concen: 49.895 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 97 Resp: 146348

Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.8	76.2
61	43.3	35.2	52.8



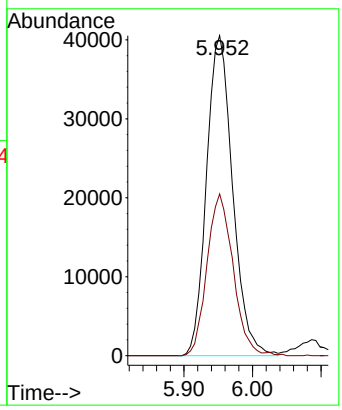


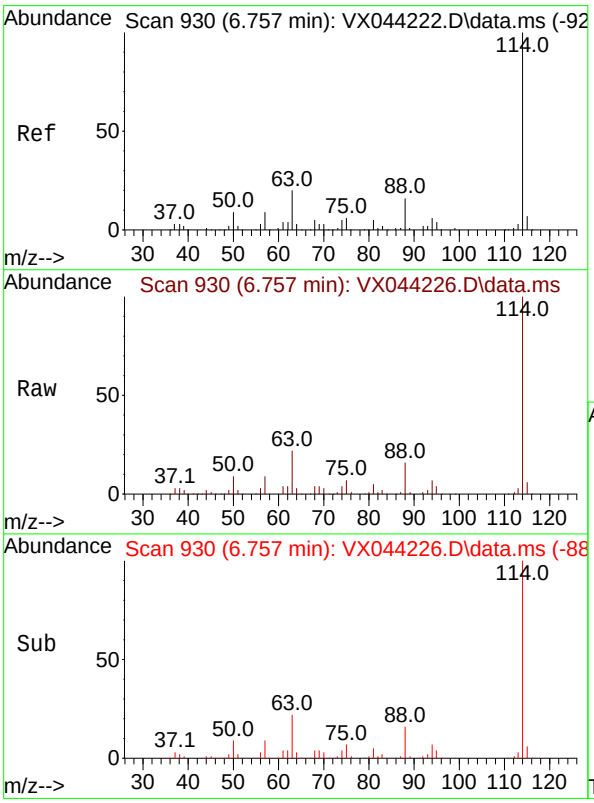
#33
1,2-Dichloroethane-d4
Concen: 45.646 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 65 Resp: 107407

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	101.6

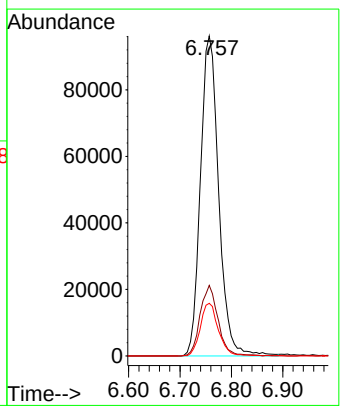


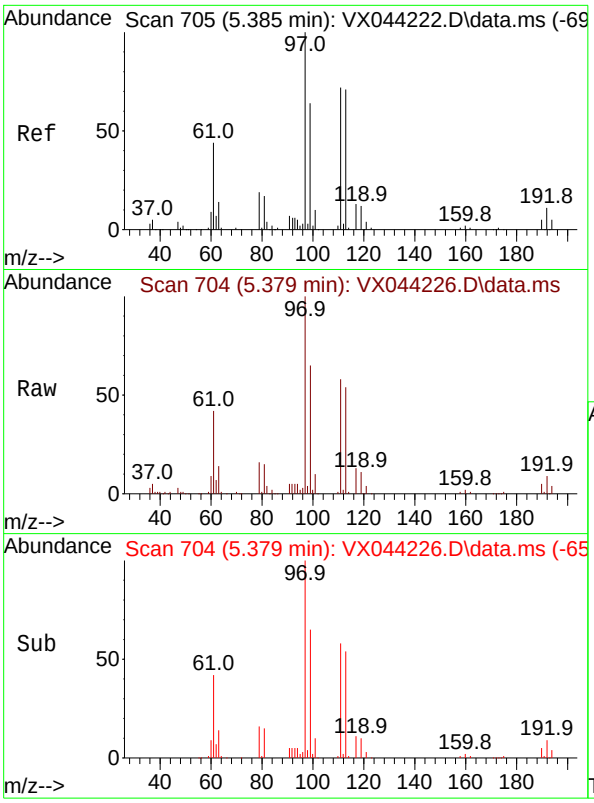


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:114 Resp: 237295

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	40.6
88	16.4	0.0	31.8



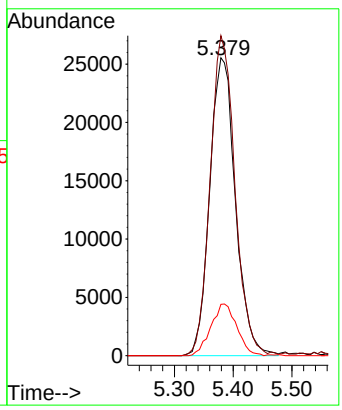


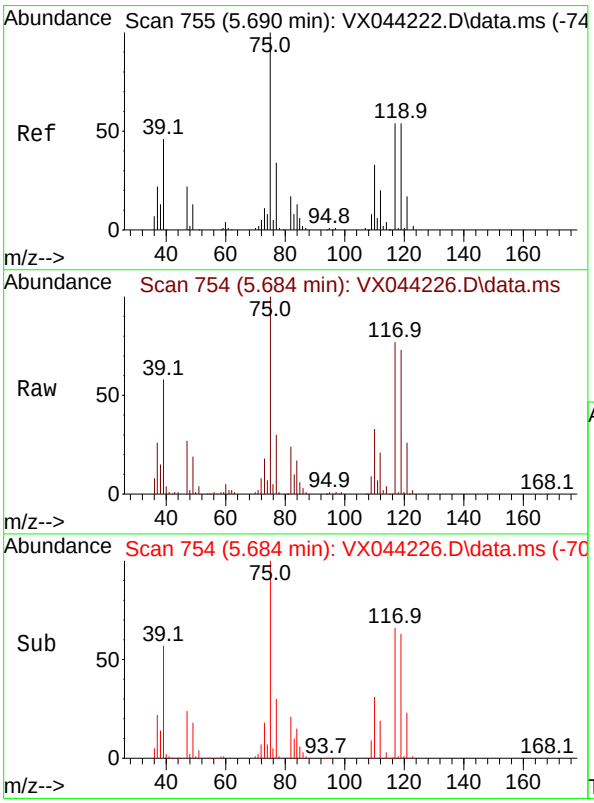
#35
Dibromofluoromethane
Concen: 47.228 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion:113 Resp: 77619

Ion	Ratio	Lower	Upper
113	100		
111	103.8	80.4	120.6
192	17.5	13.3	19.9

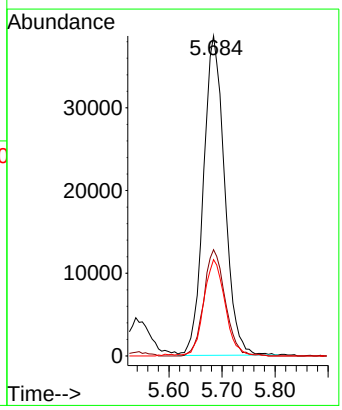


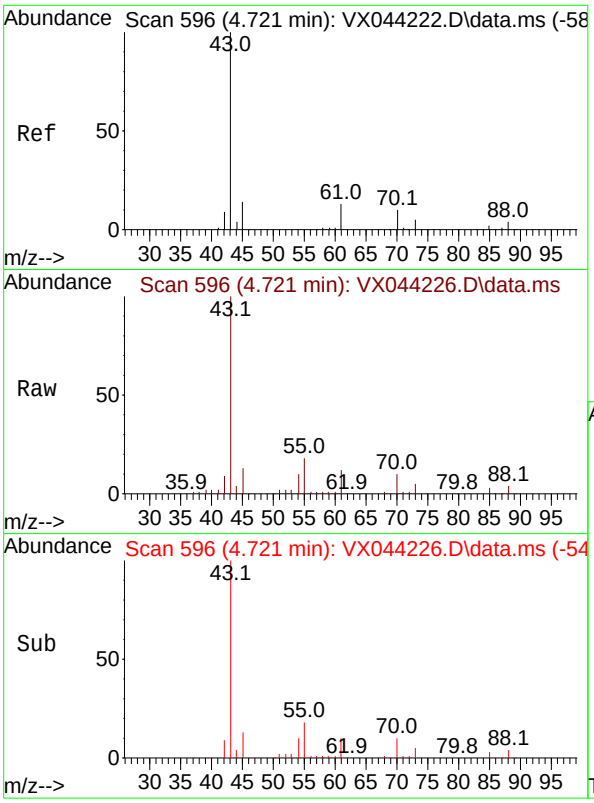


#36
1,1-Dichloropropene
Concen: 50.314 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 75 Resp: 106889

Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.3	51.7
77	30.5	25.4	38.0



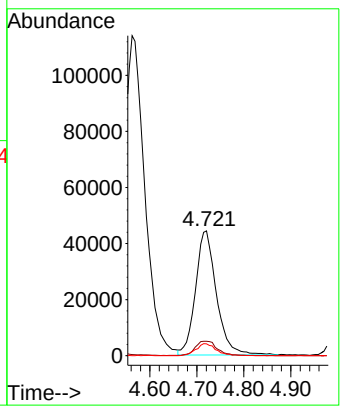


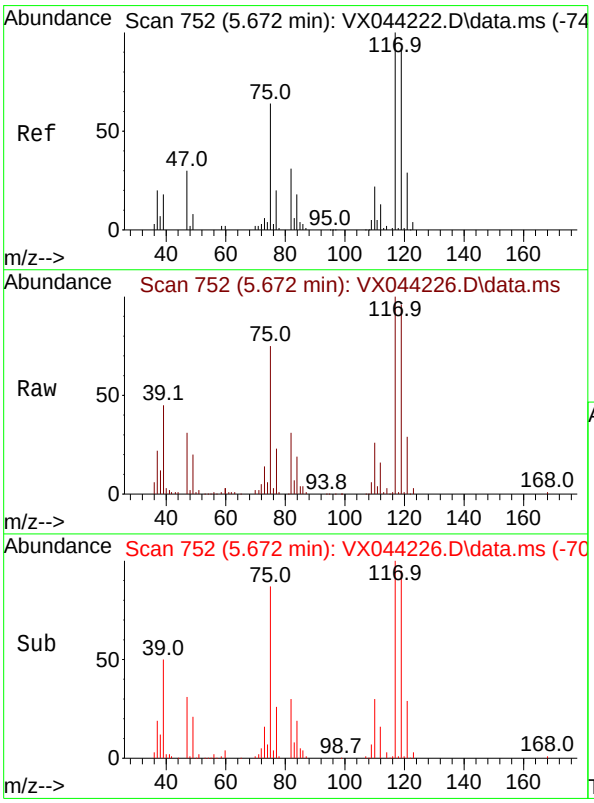
#37
Ethyl Acetate
Concen: 52.176 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 43 Resp: 137017

Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.8	14.8
70	9.4	7.7	11.5

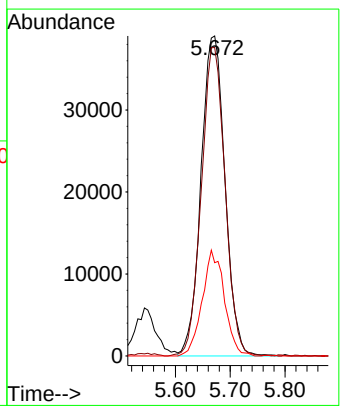


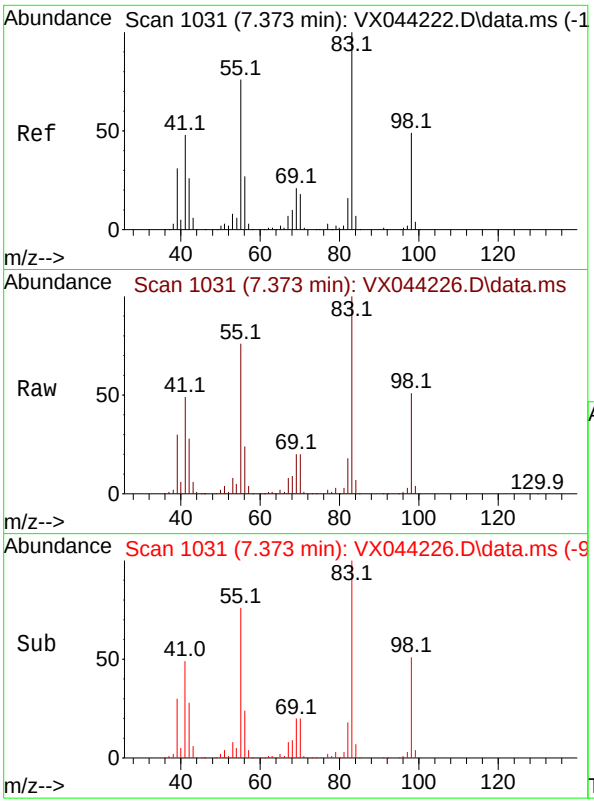


#38
Carbon Tetrachloride
Concen: 51.763 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:117 Resp: 118390

Ion	Ratio	Lower	Upper
117	100		
119	96.0	74.2	111.4
121	29.1	23.0	34.6



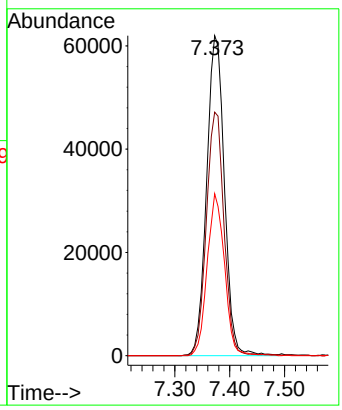


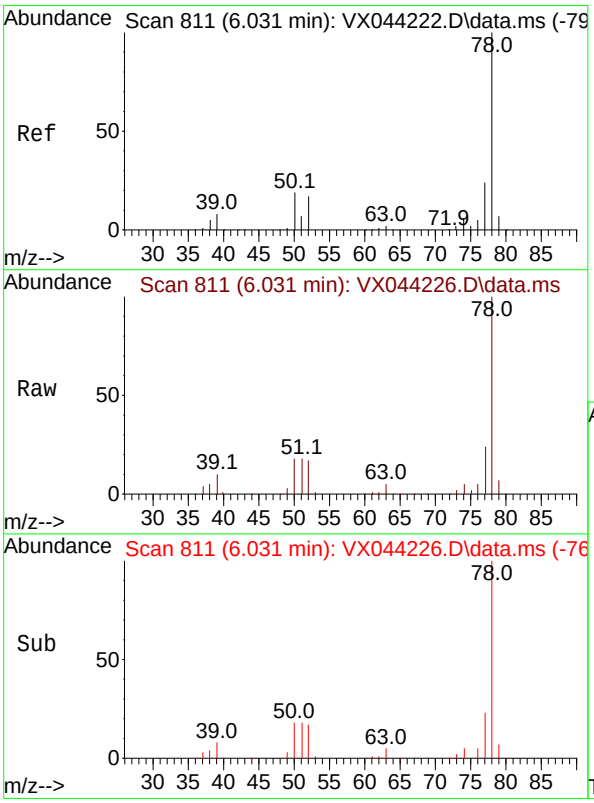
#39
Methylcyclohexane
Concen: 54.761 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 83 Resp: 139077

Ion	Ratio	Lower	Upper
83	100		
55	76.1	60.7	91.1
98	50.6	38.9	58.3

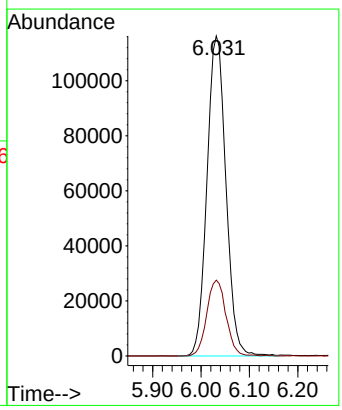


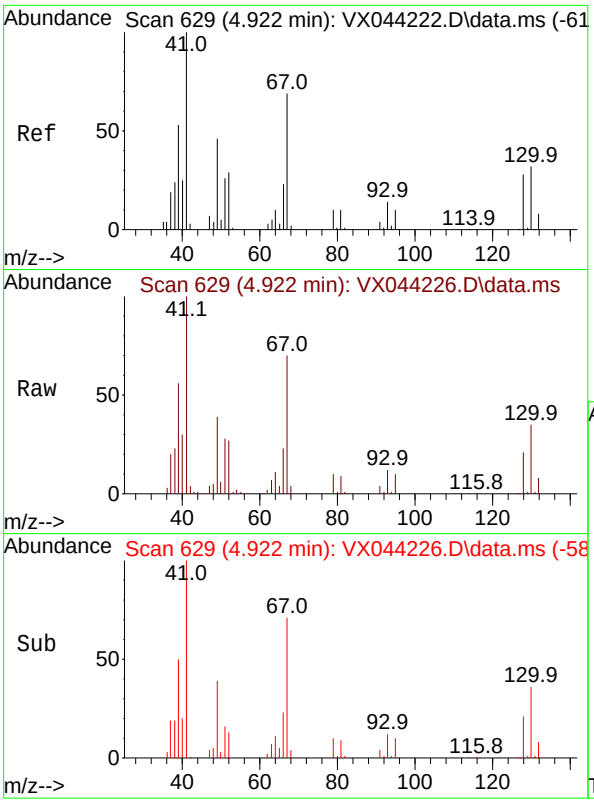


#40
Benzene
Concen: 49.052 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 78 Resp: 316391

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.3	28.9



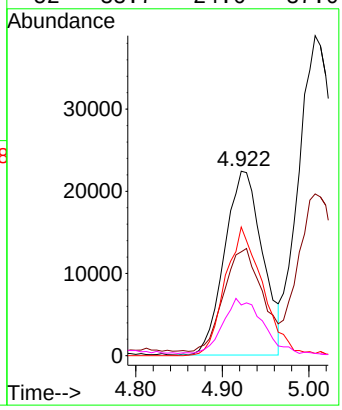


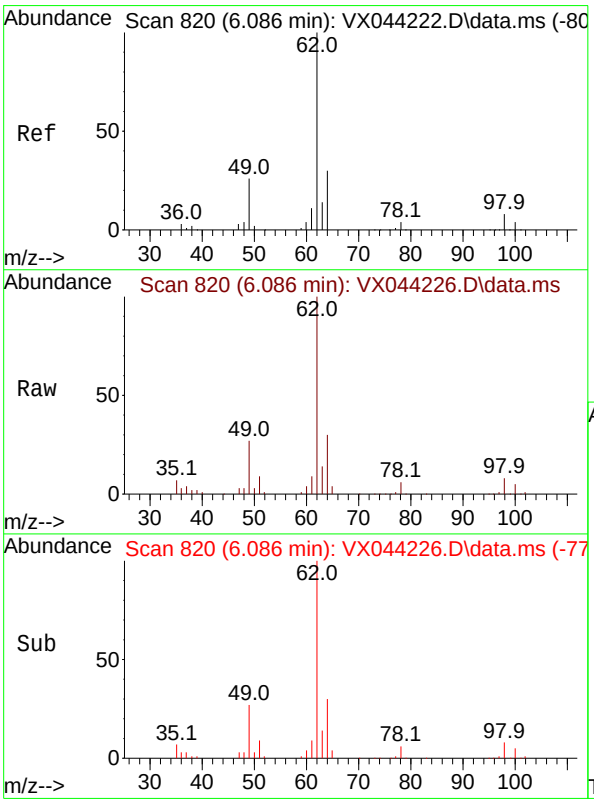
#41
Methacrylonitrile
Concen: 48.945 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 41 Resp: 68251

Ion	Ratio	Lower	Upper
41	100		
39	56.3	44.2	66.4
67	69.8	57.2	85.8
52	33.7	24.6	37.0

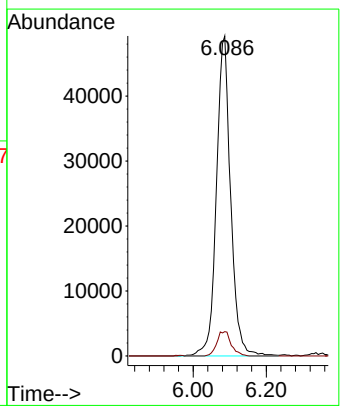


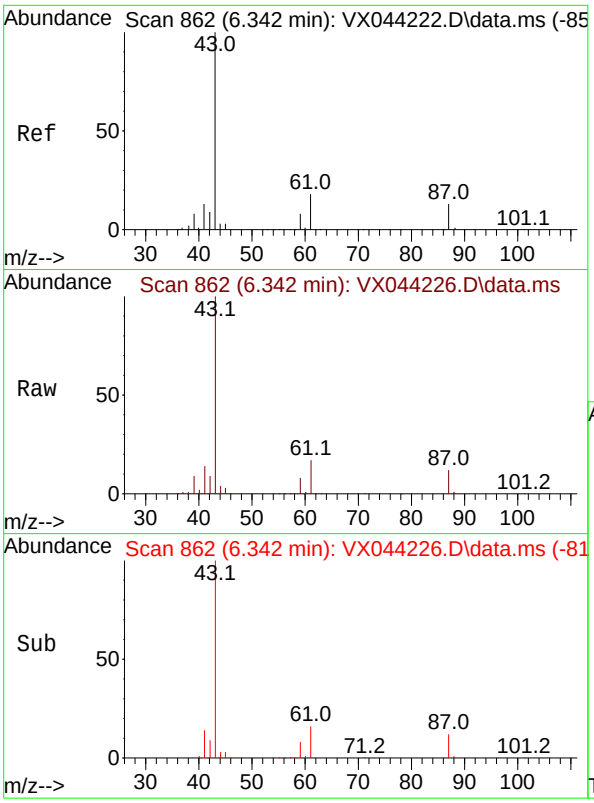


#42
1,2-Dichloroethane
Concen: 49.960 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 62 Resp: 132744

Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.8



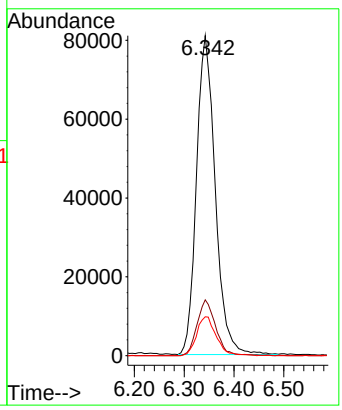


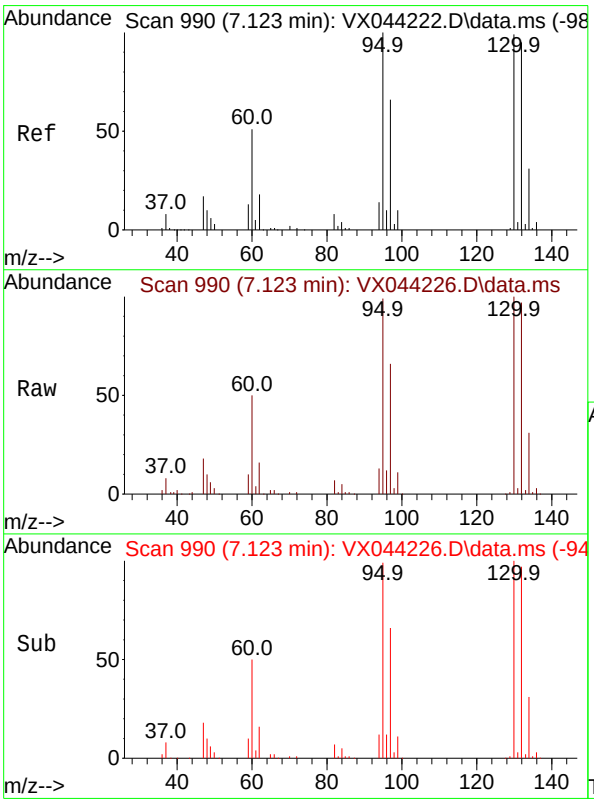
#43
Isopropyl Acetate
Concen: 51.624 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 43 Resp: 211889

Ion	Ratio	Lower	Upper
43	100		
61	17.4	14.2	21.2
87	12.7	10.2	15.2

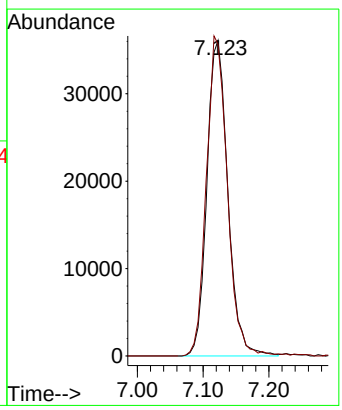


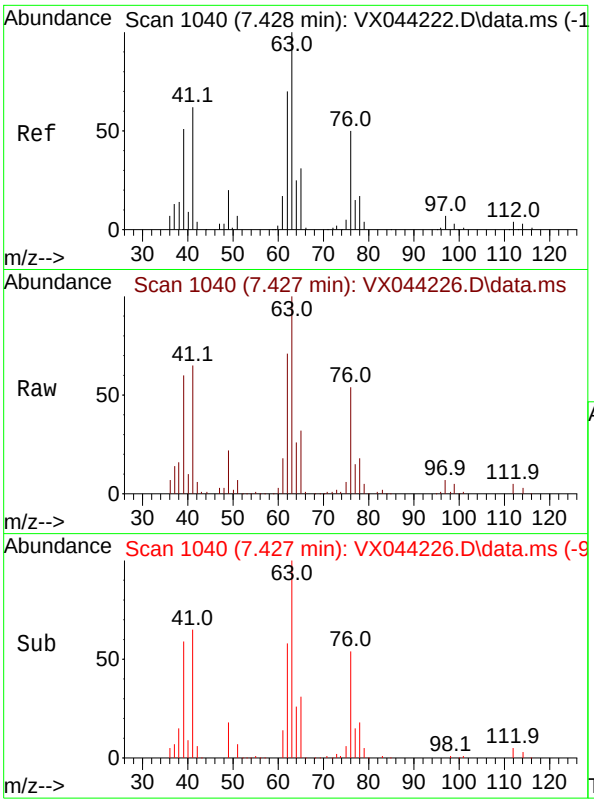


#44
Trichloroethene
Concen: 49.741 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:130 Resp: 80008

Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	201.4



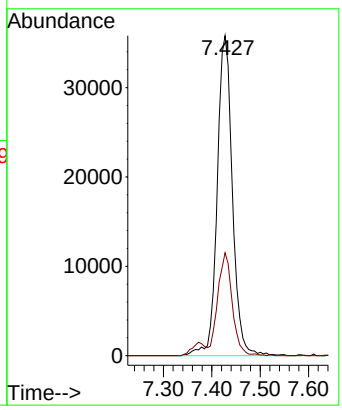


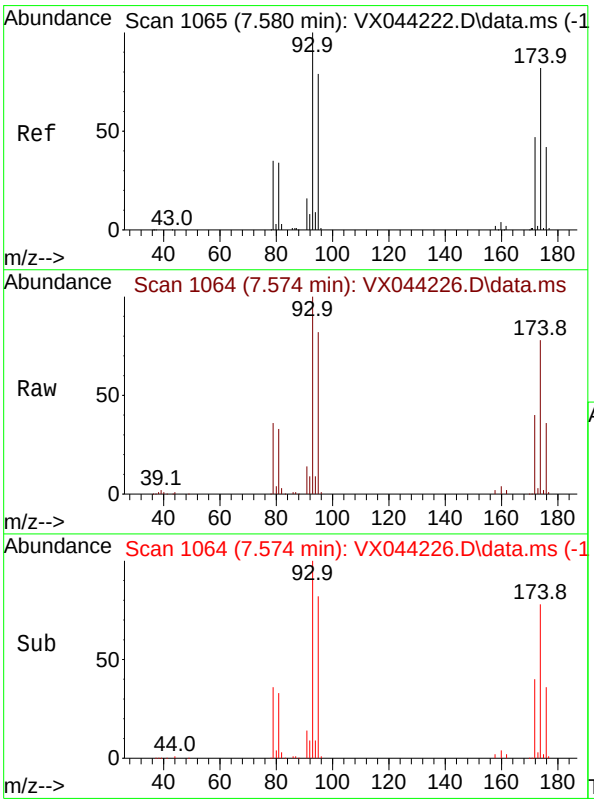
#45
1,2-Dichloropropane
Concen: 47.528 ug/l
RT: 7.427 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 63 Resp: 78321

Ion	Ratio	Lower	Upper
63	100		
65	32.1	24.6	37.0

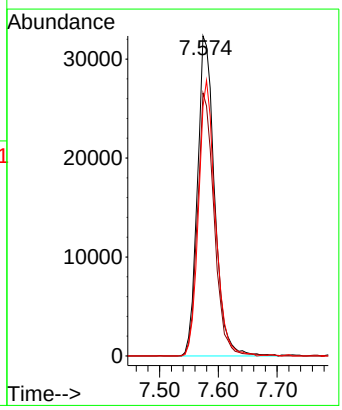


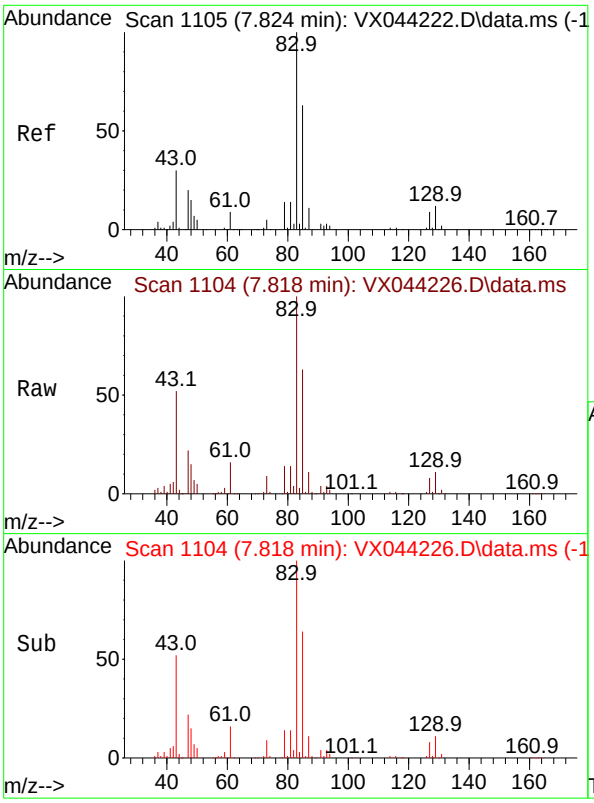


#46
Dibromomethane
Concen: 51.227 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 93 Resp: 65491

Ion	Ratio	Lower	Upper
93	100		
95	80.5	65.4	98.2
174	84.0	67.9	101.9



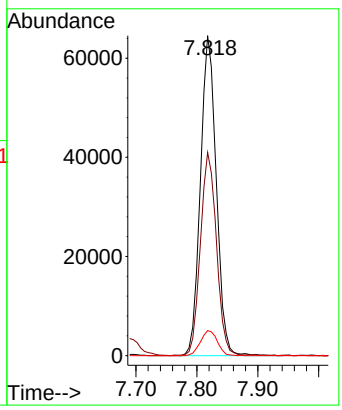


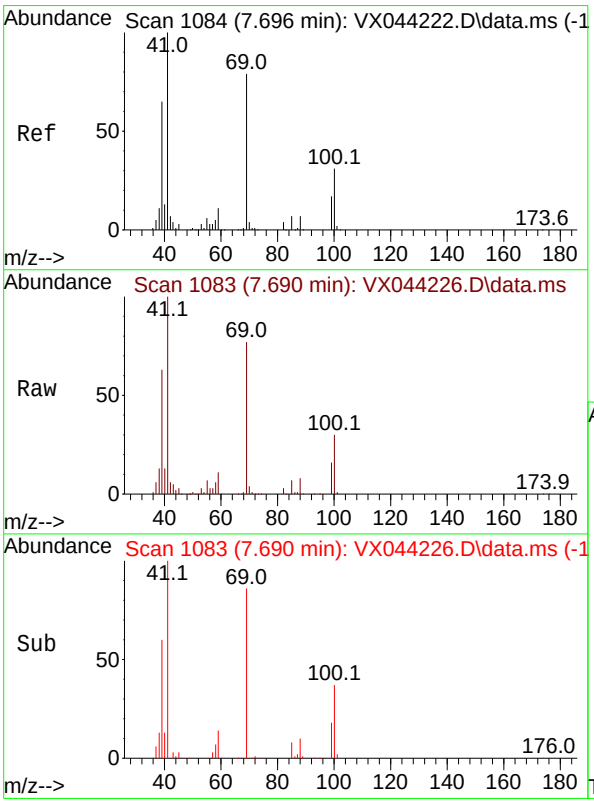
#47
Bromodichloromethane
Concen: 52.893 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 83 Resp: 116783

Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.6	75.8
127	7.9	7.3	10.9

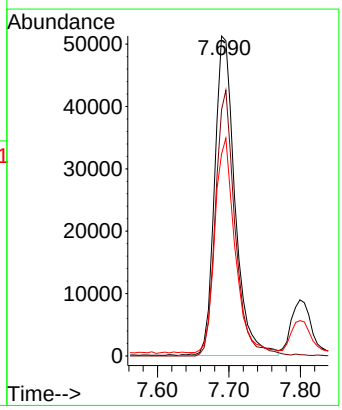


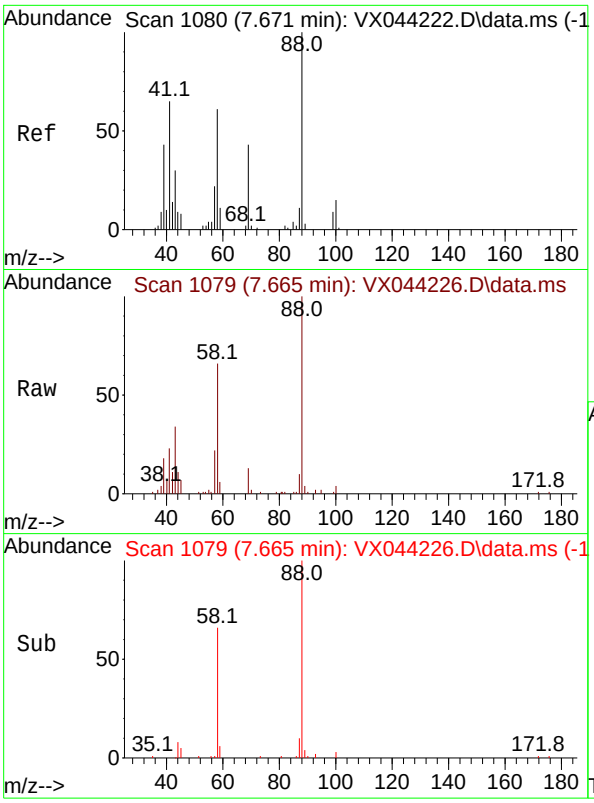


#48
Methyl methacrylate
Concen: 50.852 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 41 Resp: 101318

Ion	Ratio	Lower	Upper
41	100		
69	79.9	62.4	93.6
39	66.0	53.3	79.9



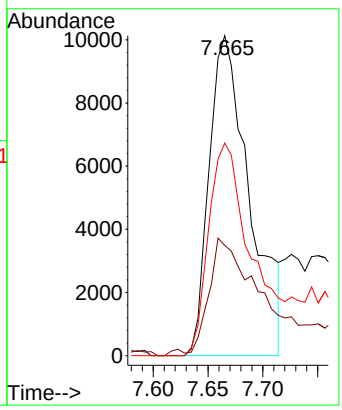


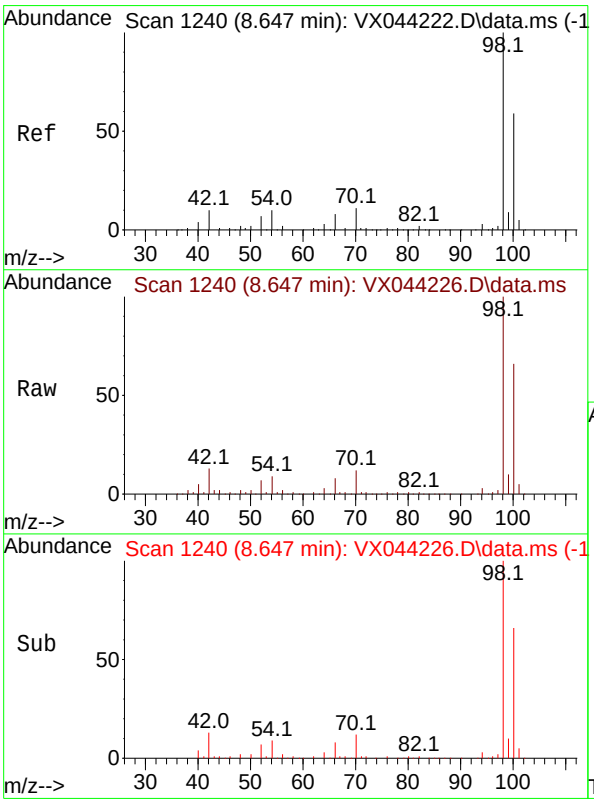
#49
1,4-Dioxane
Concen: 791.313 ug/l
RT: 7.665 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 88 Resp: 26140

Ion	Ratio	Lower	Upper
88	100		
43	51.8	27.1	40.7#
58	70.7	41.0	61.4#

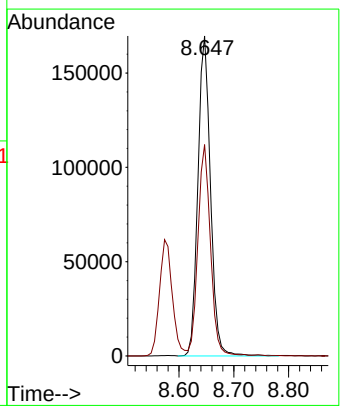


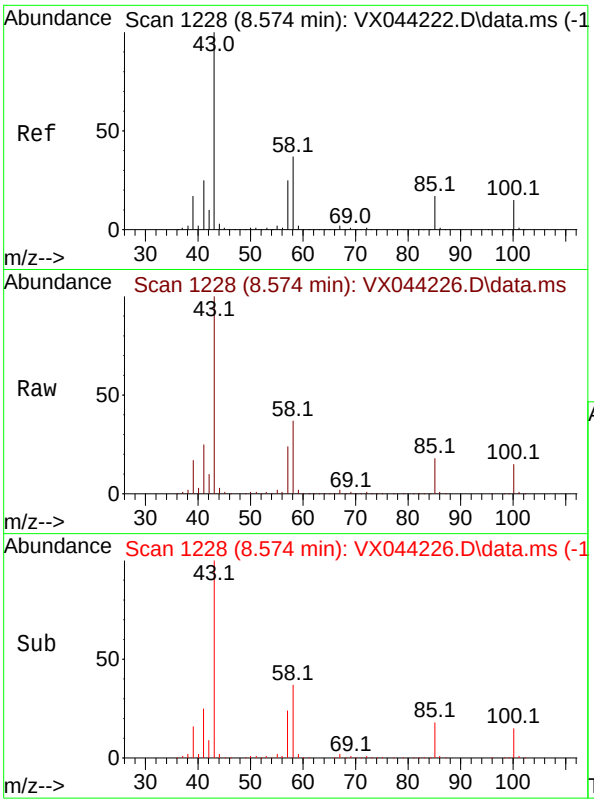


#50
Toluene-d8
Concen: 48.968 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 98 Resp: 271508

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.5	77.3



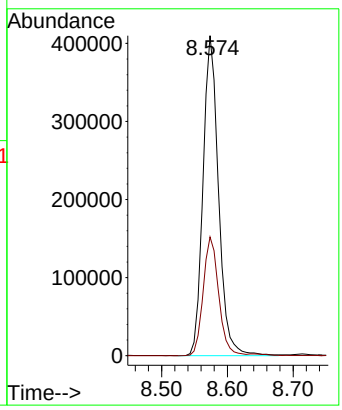


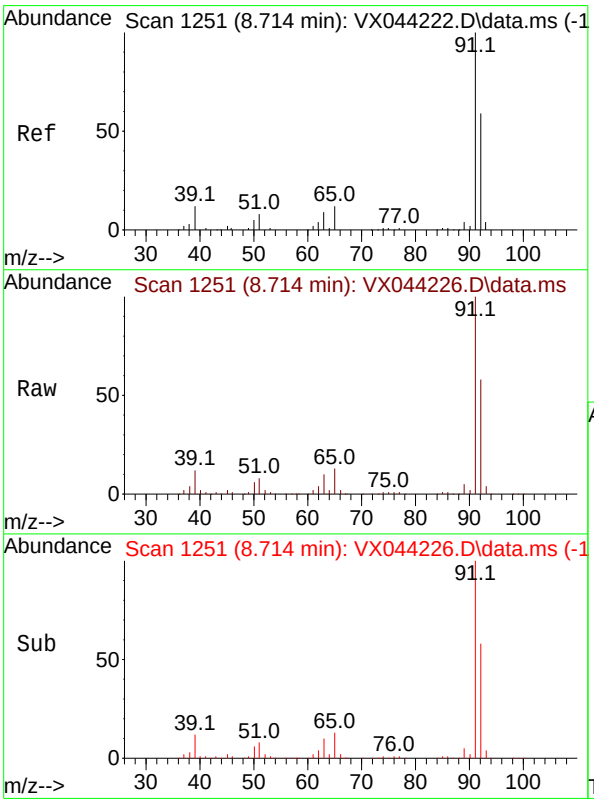
#51
4-Methyl-2-Pentanone
Concen: 255.038 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 43 Resp: 673069

Ion	Ratio	Lower	Upper
43	100		
58	37.0	29.4	44.0

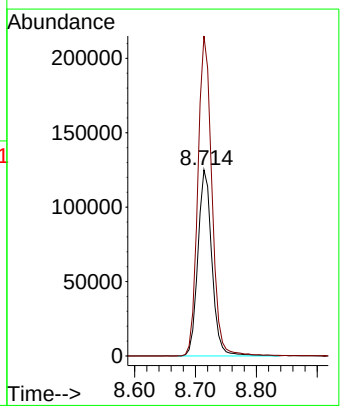


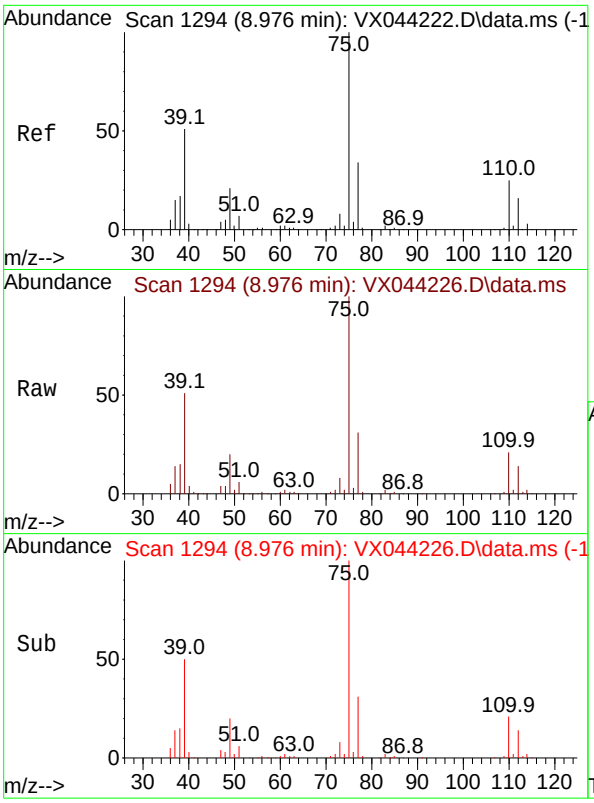


#52
Toluene
Concen: 49.199 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 92 Resp: 199281

Ion	Ratio	Lower	Upper
92	100		
91	173.2	137.0	205.6



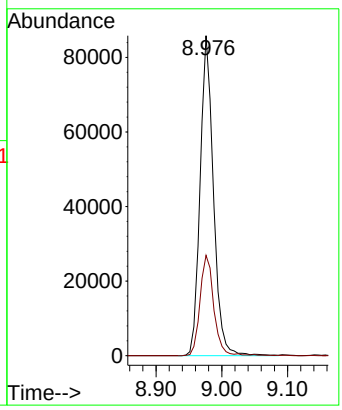


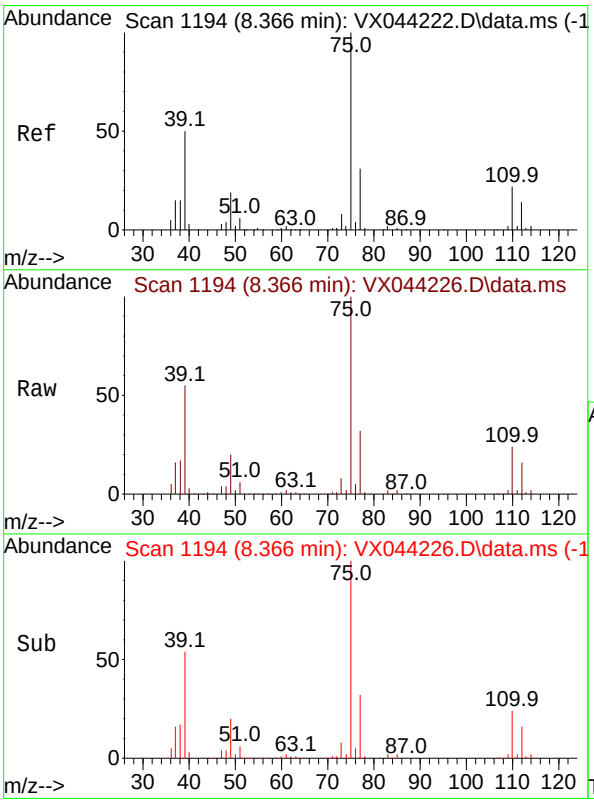
#53
t-1,3-Dichloropropene
Concen: 50.864 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 75 Resp: 120696

Ion	Ratio	Lower	Upper
75	100		
77	31.4	27.2	40.8

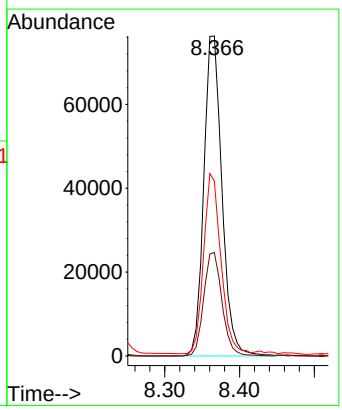


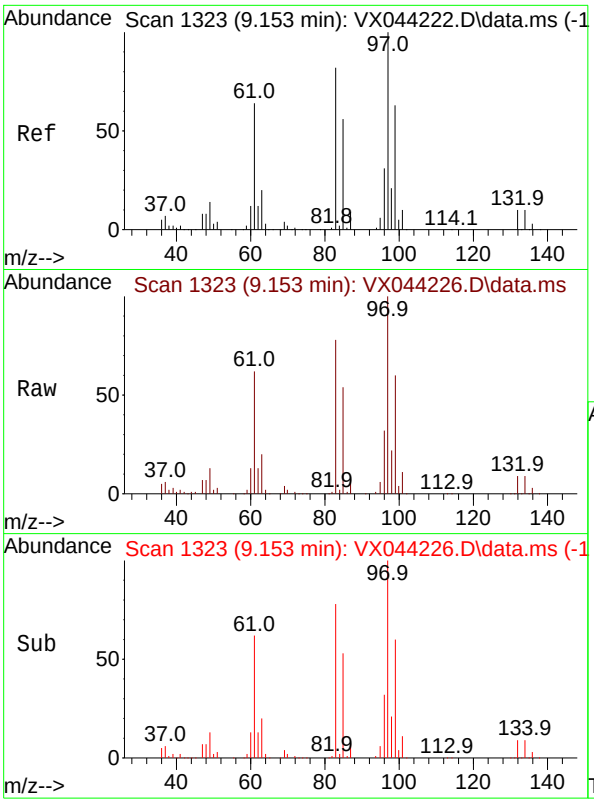


#54
cis-1,3-Dichloropropene
Concen: 53.607 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 75 Resp: 128875

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.7	37.1
39	53.9	40.3	60.5



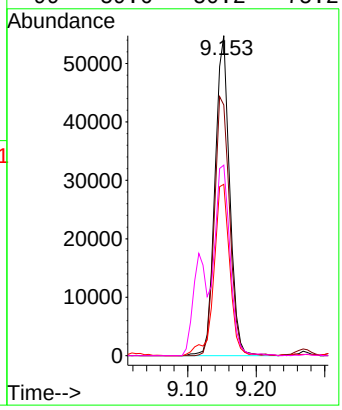


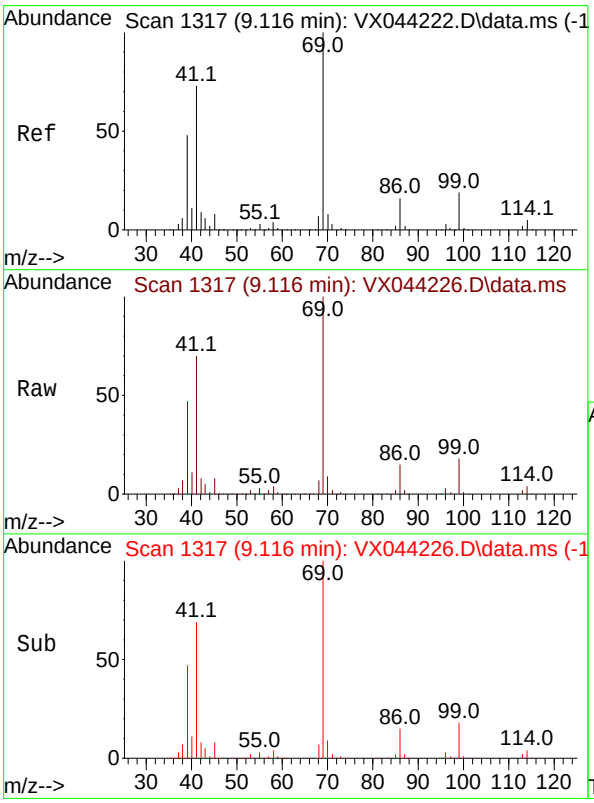
#55
1,1,2-Trichloroethane
Concen: 50.562 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 97 Resp: 81362

Ion	Ratio	Lower	Upper
97	100		
83	78.3	65.3	97.9
85	53.6	44.6	67.0
99	59.6	50.2	75.2

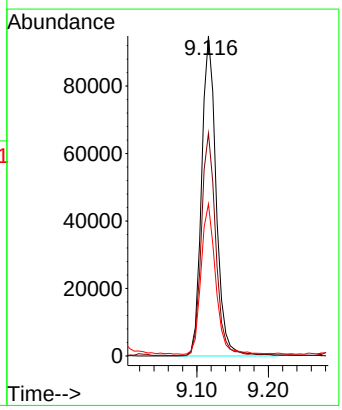


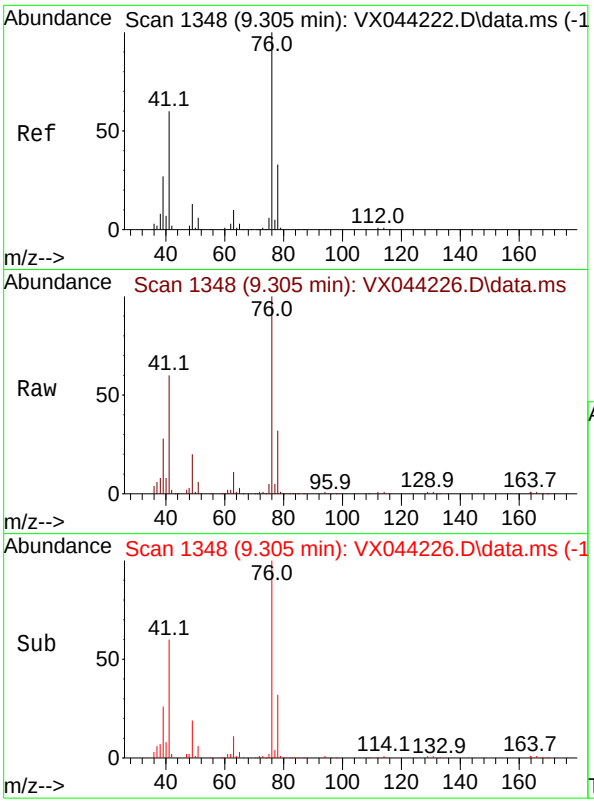


#56
Ethyl methacrylate
Concen: 52.890 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 69 Resp: 134357

Ion	Ratio	Lower	Upper
69	100		
41	68.6	56.6	85.0
39	47.2	37.4	56.0



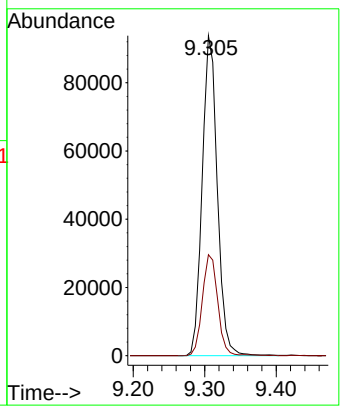


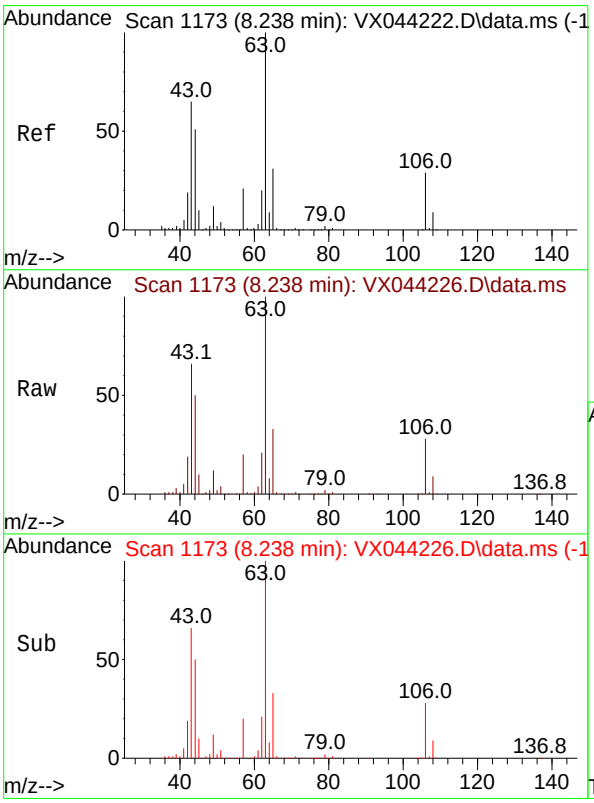
#57
1,3-Dichloropropane
Concen: 49.165 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 76 Resp: 137705

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.5	39.7

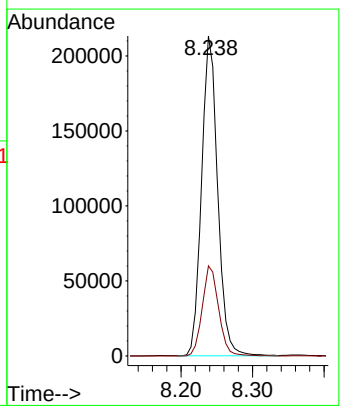


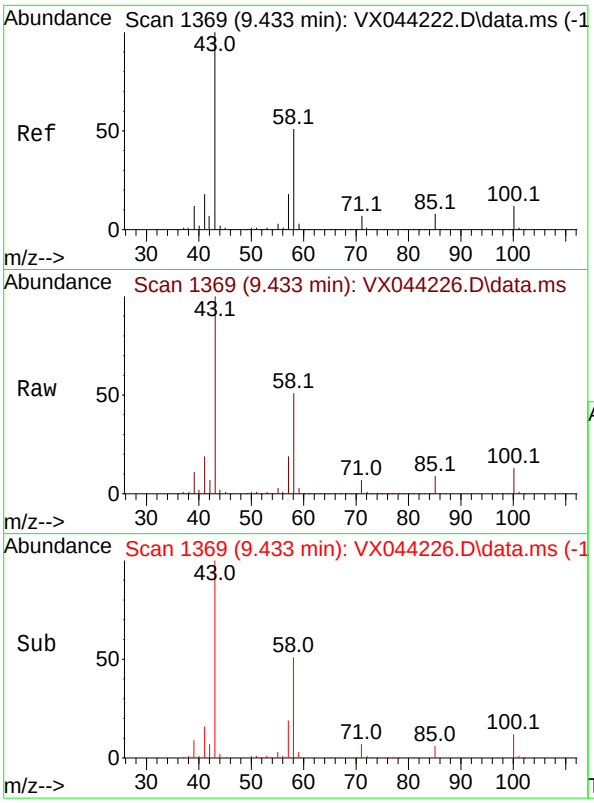


#58
2-Chloroethyl Vinyl ether
Concen: 259.586 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 63 Resp: 332599

Ion	Ratio	Lower	Upper
63	100		
106	28.6	22.8	34.2



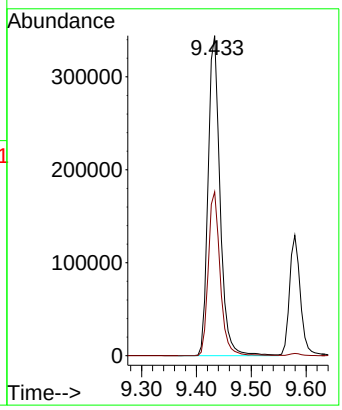


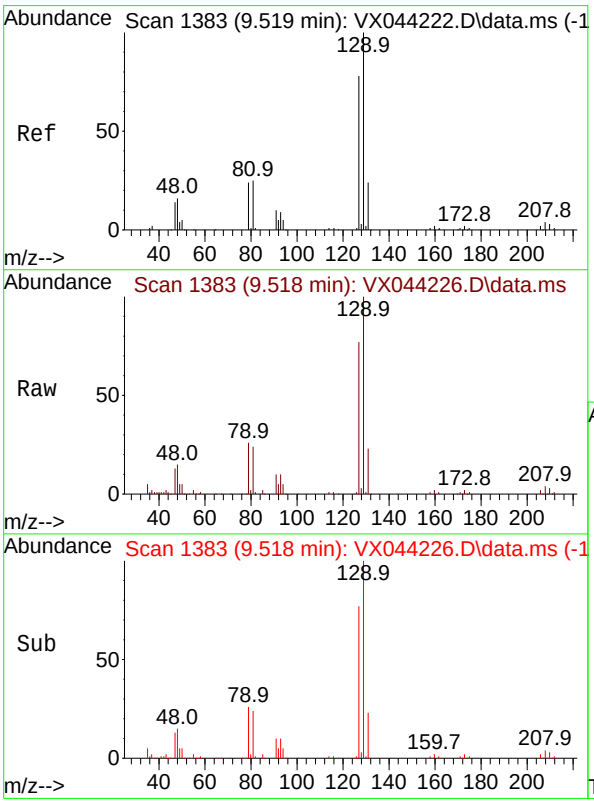
#59
2-Hexanone
Concen: 271.943 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 43 Resp: 519476

Ion	Ratio	Lower	Upper
43	100		
58	50.7	25.7	77.0

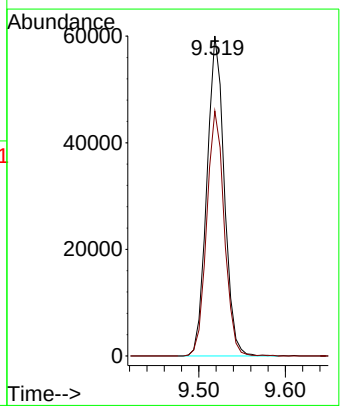


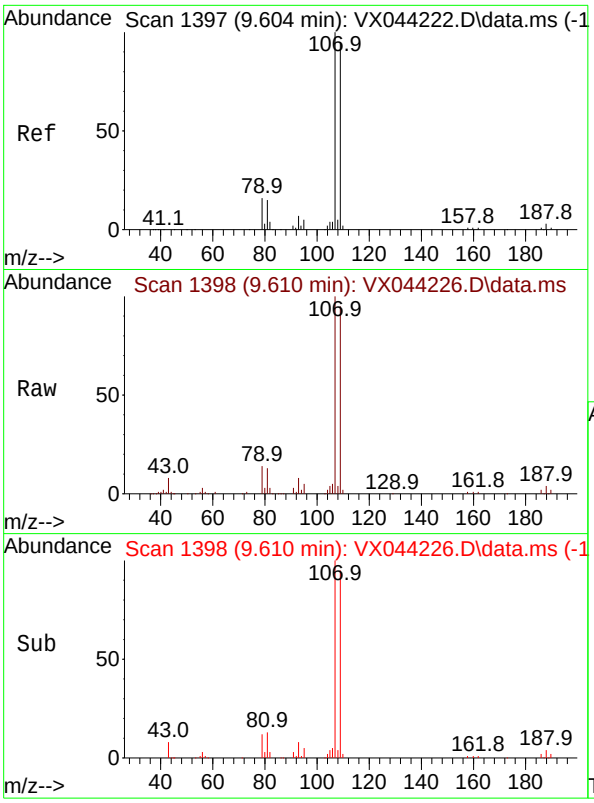


#60
Dibromochloromethane
Concen: 49.073 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:129 Resp: 83515

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.3



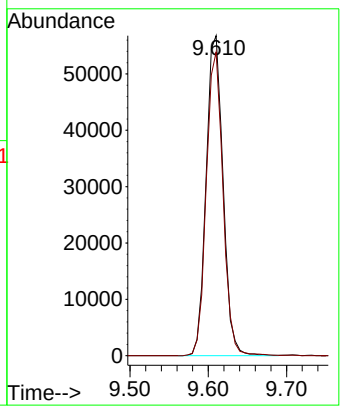


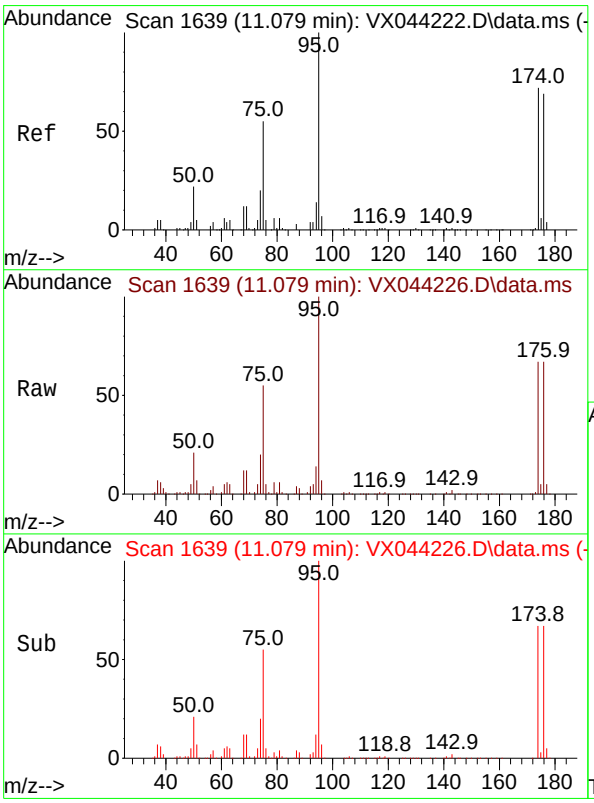
#61
1,2-Dibromoethane
Concen: 51.909 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion:107 Resp: 85024

Ion	Ratio	Lower	Upper
107	100		
109	93.7	77.0	115.4

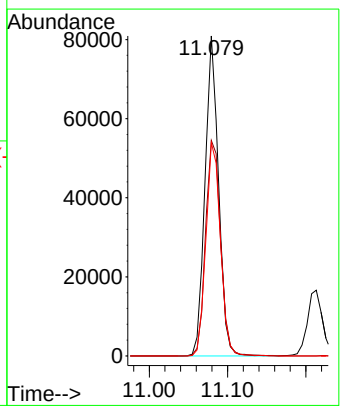


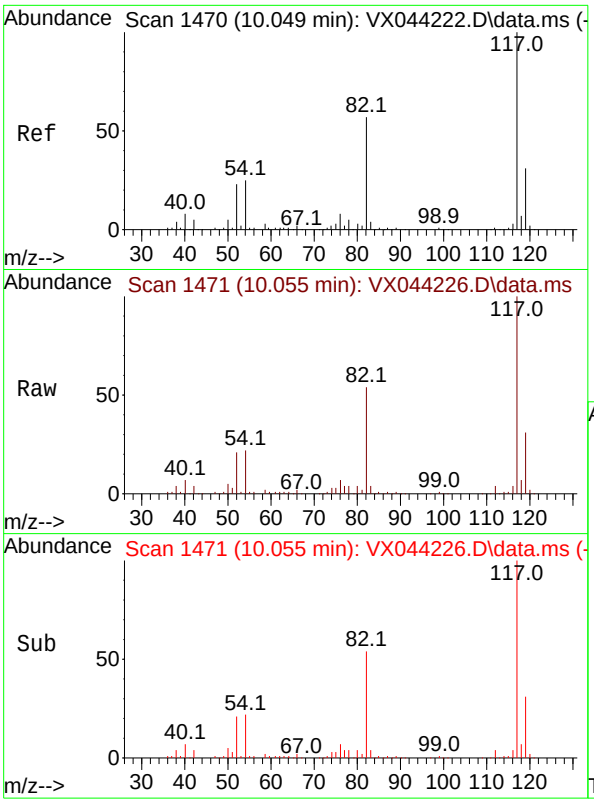


#62
4-Bromofluorobenzene
Concen: 50.098 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 95 Resp: 97061

Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	145.8
176	71.4	0.0	137.8



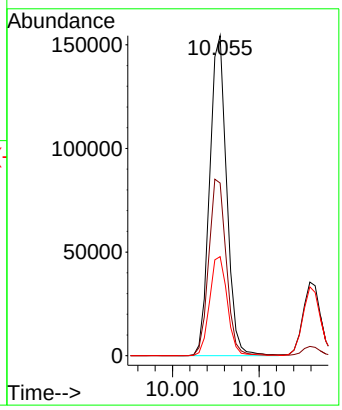


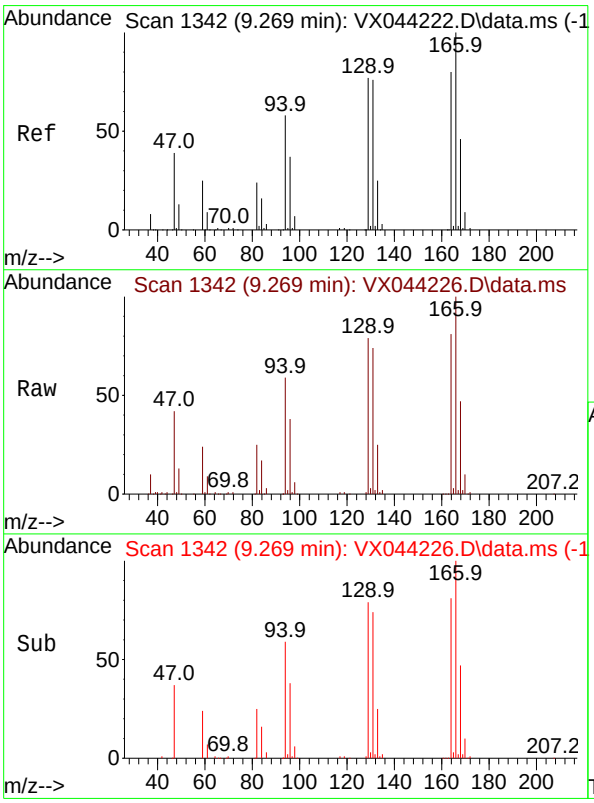
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion:117 Resp: 210572

Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.8	68.8
119	31.0	25.0	37.4

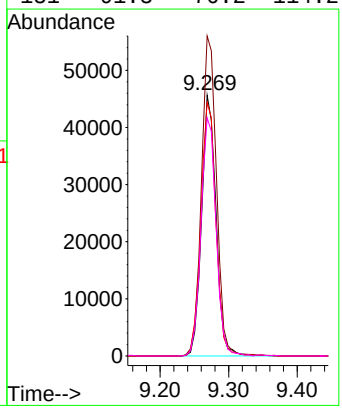


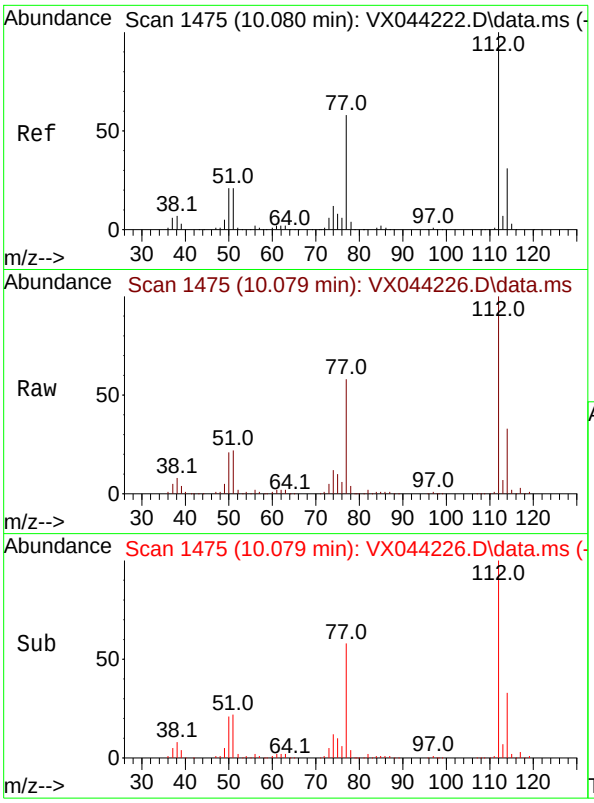


#64
Tetrachloroethene
Concen: 47.702 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:164 Resp: 66669

Ion	Ratio	Lower	Upper
164	100		
166	122.8	100.4	150.6
129	97.2	77.2	115.8
131	91.3	76.2	114.2



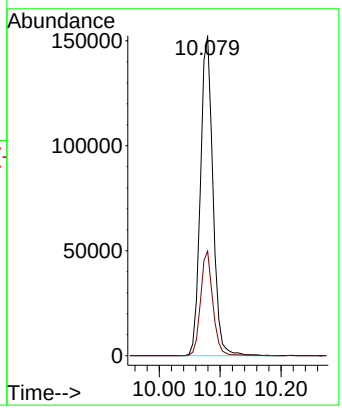


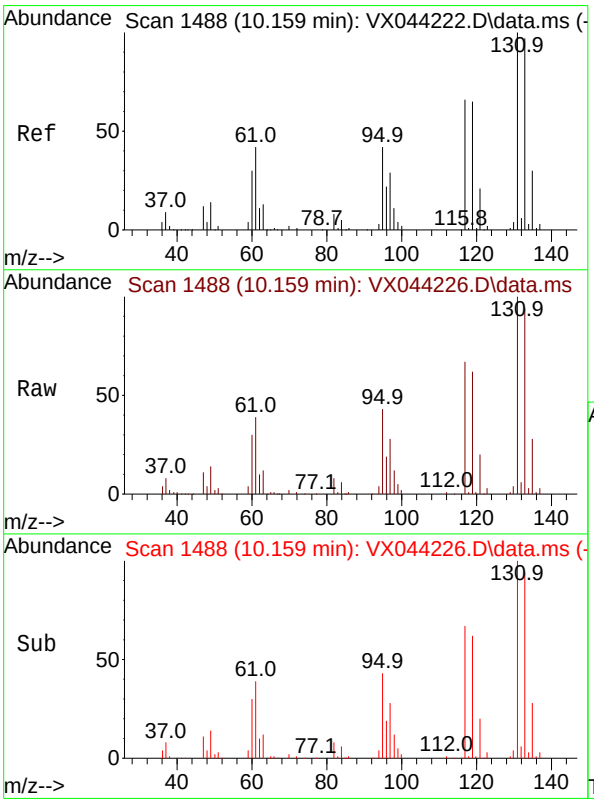
#65
Chlorobenzene
Concen: 48.133 ug/l
RT: 10.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion:112 Resp: 217180

Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.0	37.6

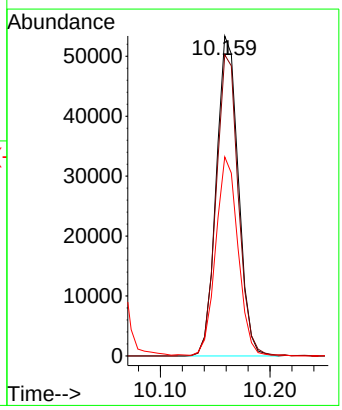


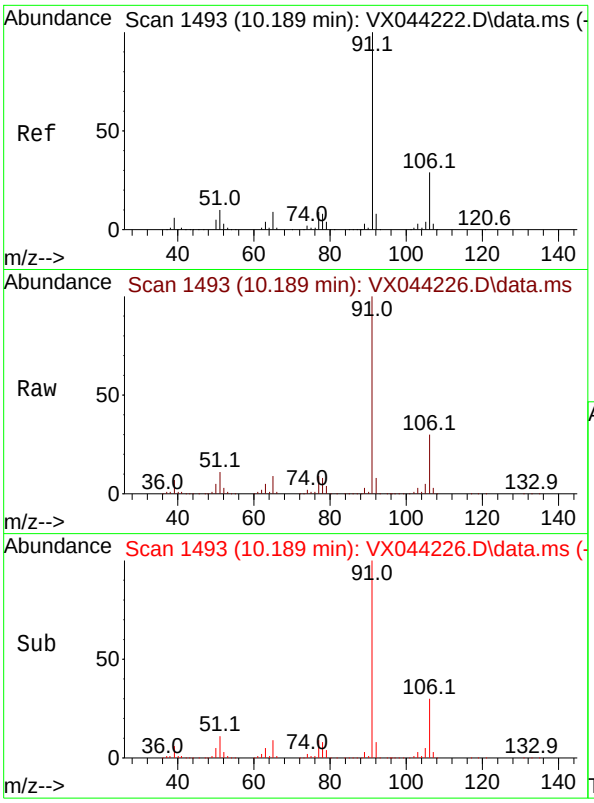


#66
1,1,1,2-Tetrachloroethane
Concen: 51.396 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:131 Resp: 74531

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.3	141.8
119	63.3	31.6	95.0



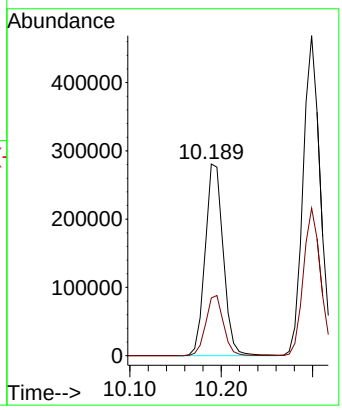


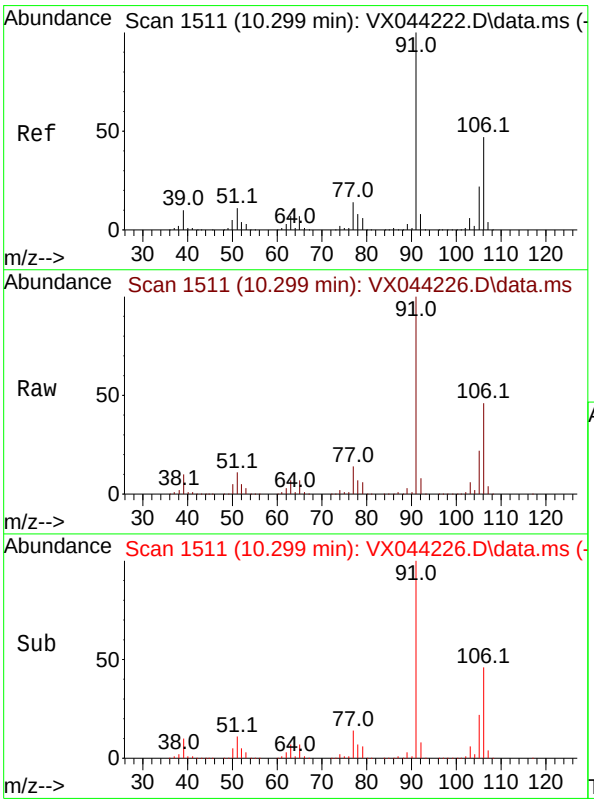
#67
Ethyl Benzene
Concen: 49.461 ug/l
RT: 10.189 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 91 Resp: 385605

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.5	35.3

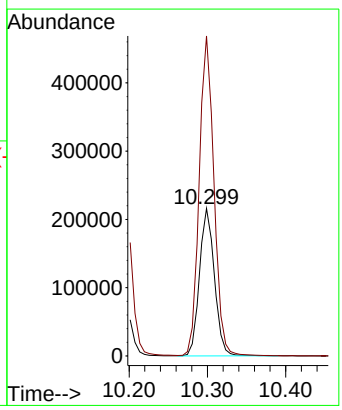


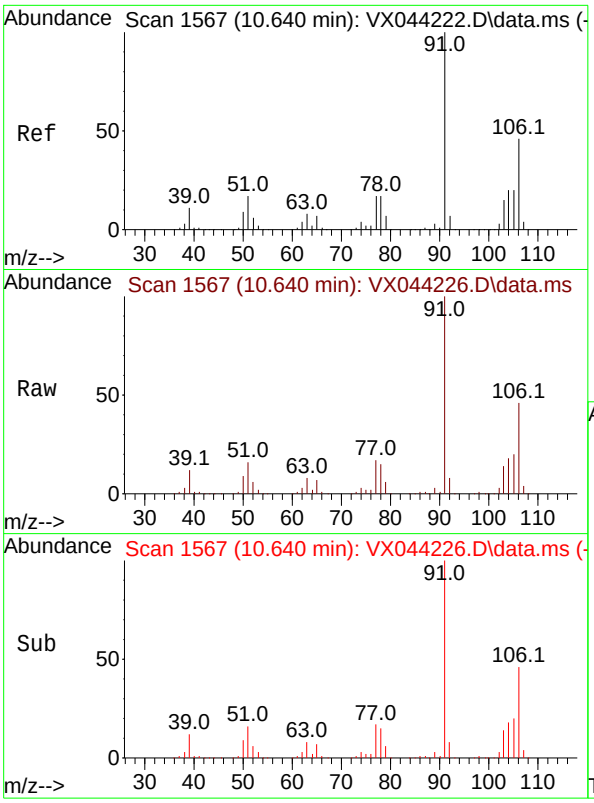


#68
m/p-Xylenes
Concen: 99.896 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:106 Resp: 285774

Ion	Ratio	Lower	Upper
106	100		
91	214.6	170.2	255.2



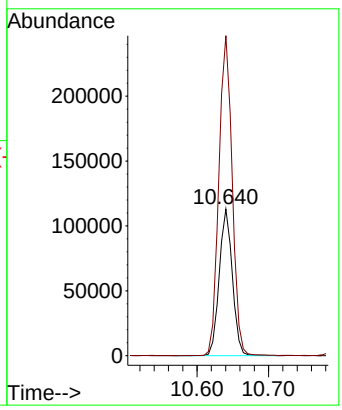


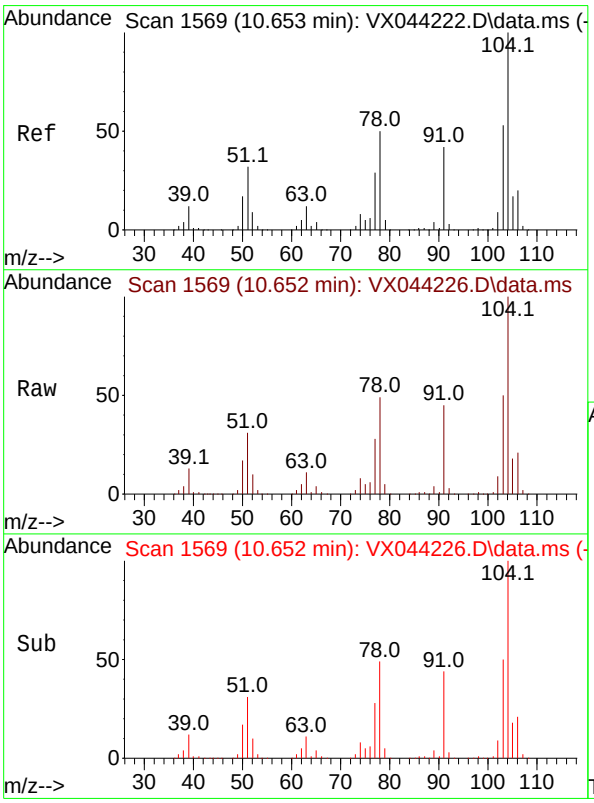
#69
o-Xylene
Concen: 49.750 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion:106 Resp: 144001

Ion	Ratio	Lower	Upper
106	100		
91	221.9	112.3	337.0

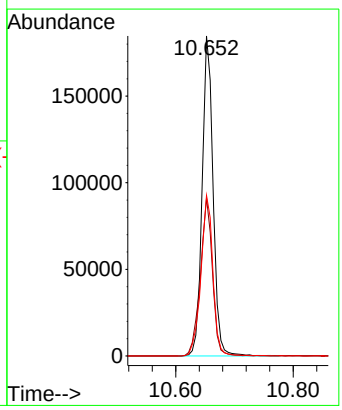


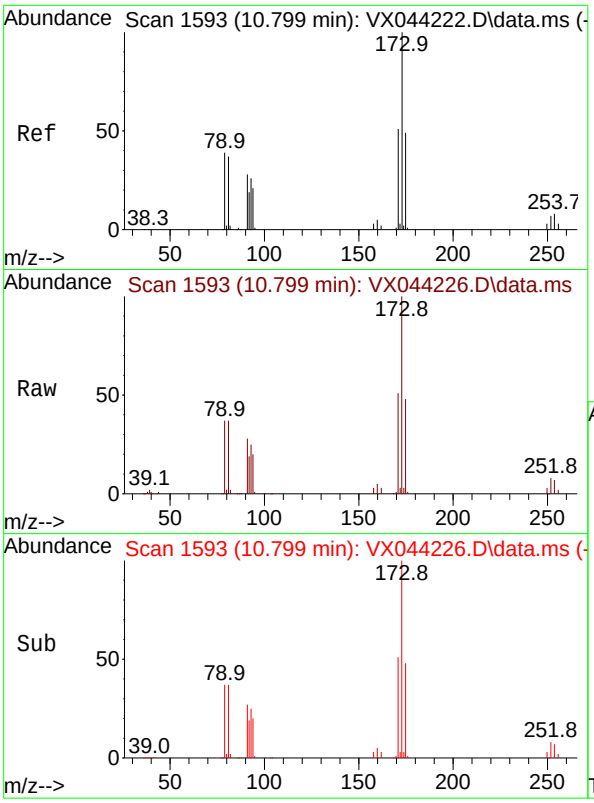


#70
Styrene
Concen: 51.617 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:104 Resp: 239508

Ion	Ratio	Lower	Upper
104	100		
78	54.5	44.6	67.0
103	54.9	45.4	68.0



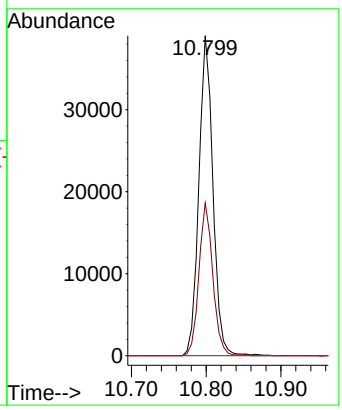


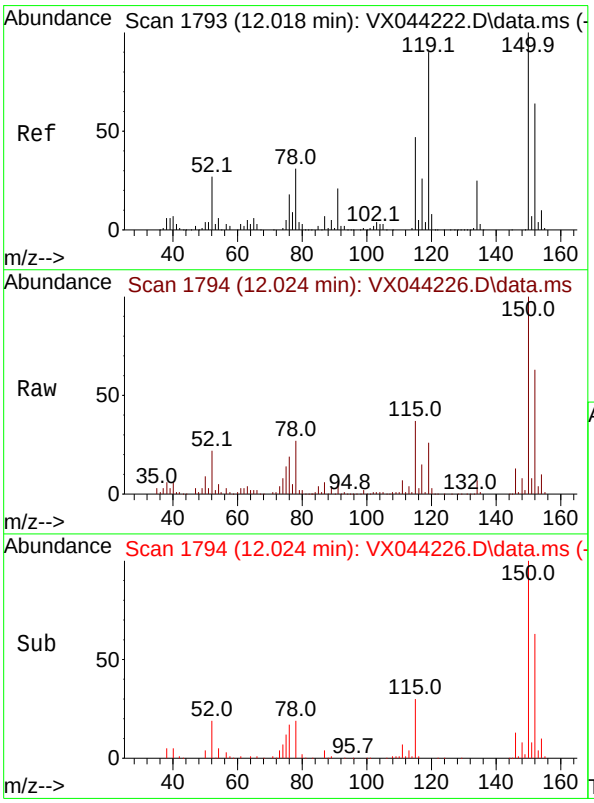
#71
Bromoform
Concen: 50.269 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion:173 Resp: 50972

Ion	Ratio	Lower	Upper
173	100		
175	47.1	23.8	71.4
254	0.0	0.0	0.0

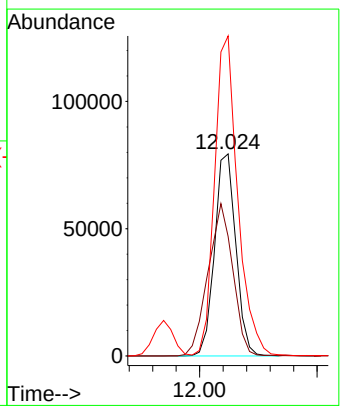


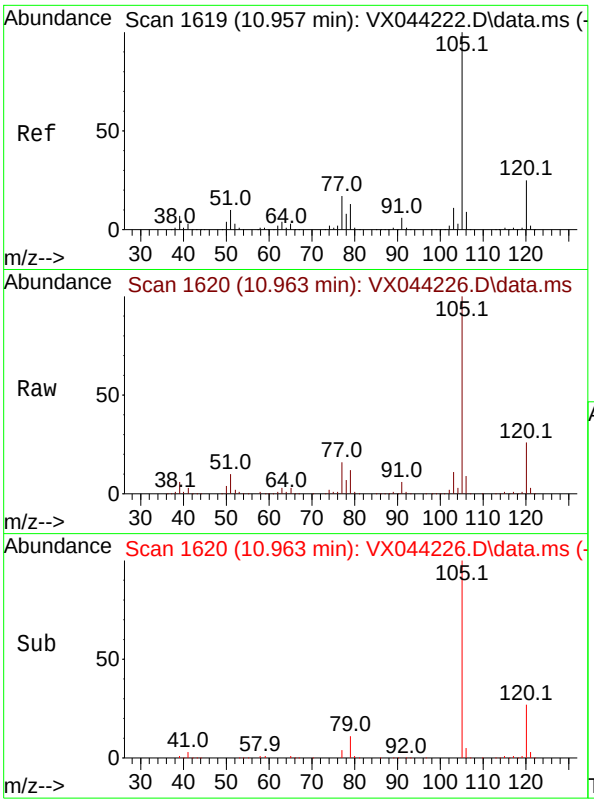


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:152 Resp: 99879

Ion	Ratio	Lower	Upper
152	100		
115	87.8	44.5	133.3
150	172.2	0.0	353.8



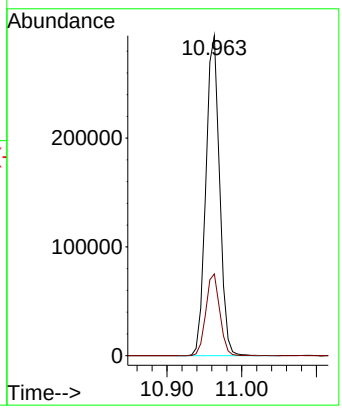


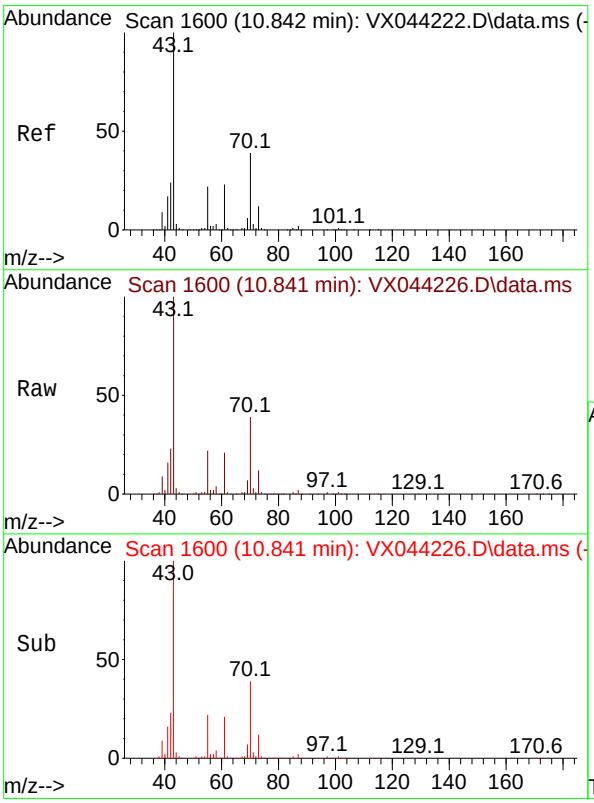
#73
Isopropylbenzene
Concen: 49.014 ug/l
RT: 10.963 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion:105 Resp: 374769

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.1	39.3

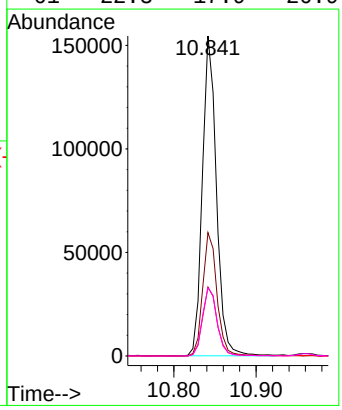


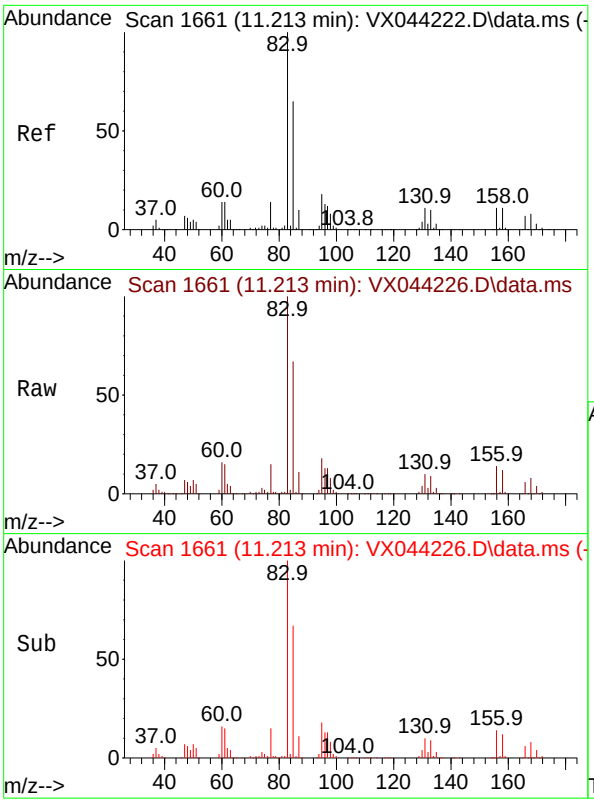


#74
N-amyl acetate
Concen: 52.003 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 43 Resp: 183763

Ion	Ratio	Lower	Upper
43	100		
70	39.0	31.9	47.9
55	22.4	17.9	26.9
61	22.3	17.9	26.9



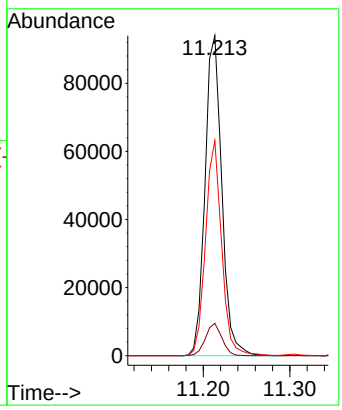


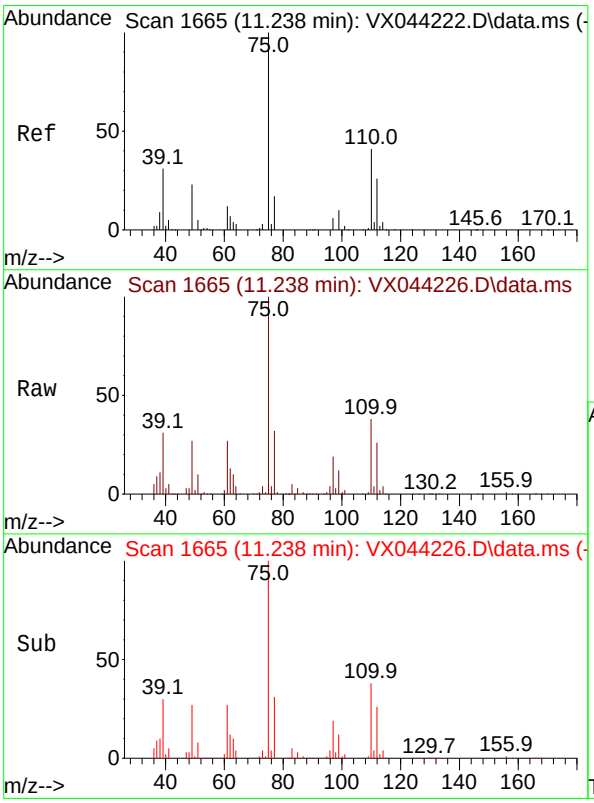
#75
1,1,2,2-Tetrachloroethane
Concen: 47.676 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 83 Resp: 126615

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.4
85	64.4	32.5	97.4

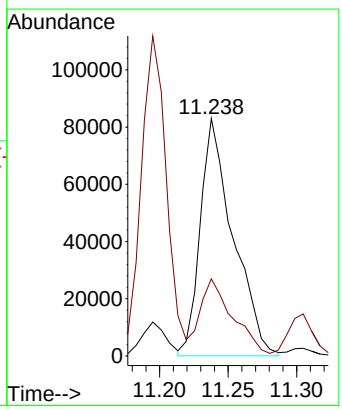


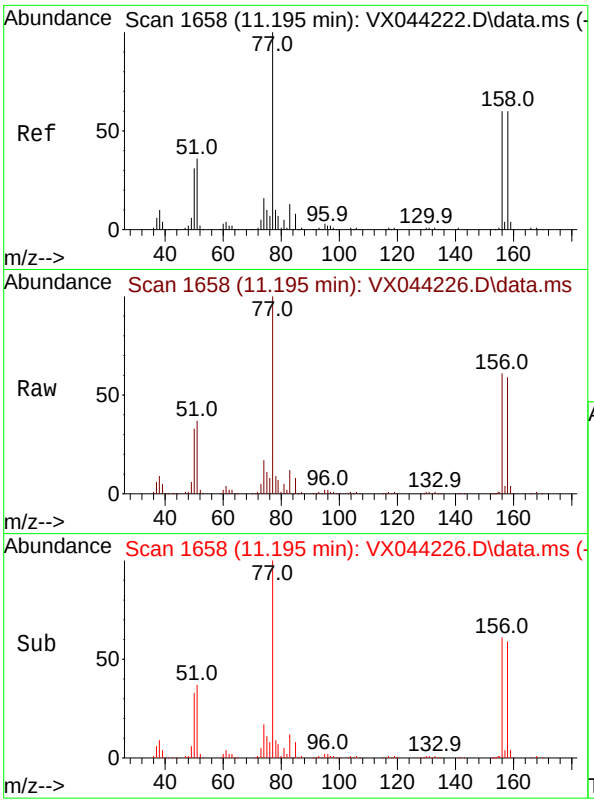


#76
1,2,3-Trichloropropane
Concen: 62.060 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 75 Resp: 138398

Ion	Ratio	Lower	Upper
75	100		
77	32.5	20.9	62.7



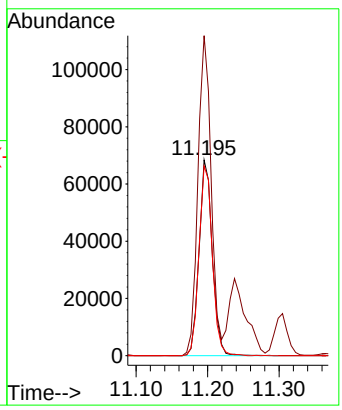


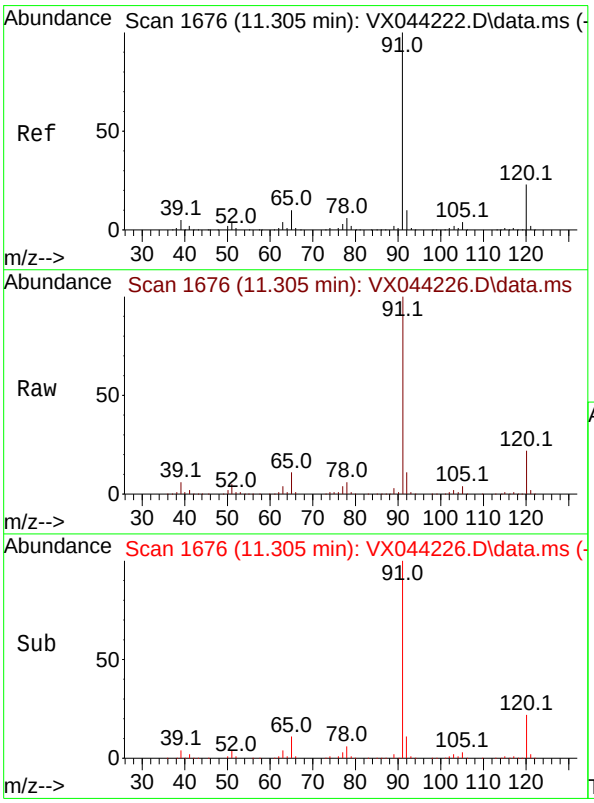
#77
Bromobenzene
Concen: 47.335 ug/l
RT: 11.195 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion:156 Resp: 87767

Ion	Ratio	Lower	Upper
156	100		
77	163.4	82.6	247.8
158	98.0	48.8	146.4

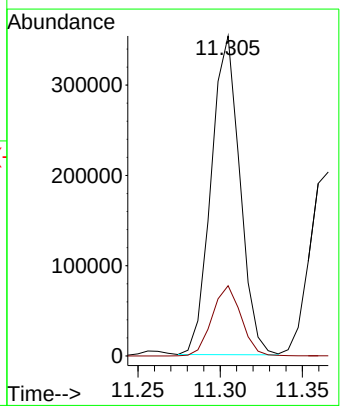


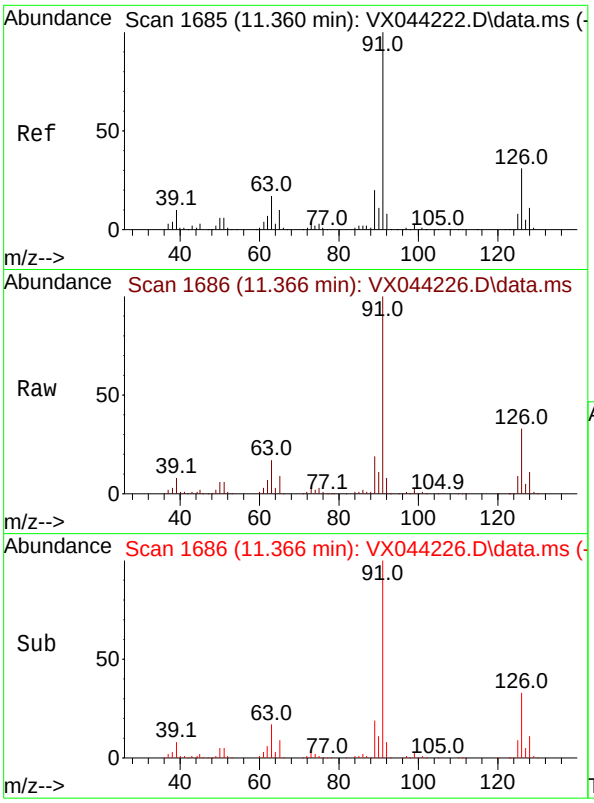


#78
n-propylbenzene
Concen: 50.816 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 91 Resp: 429443

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.0	33.0



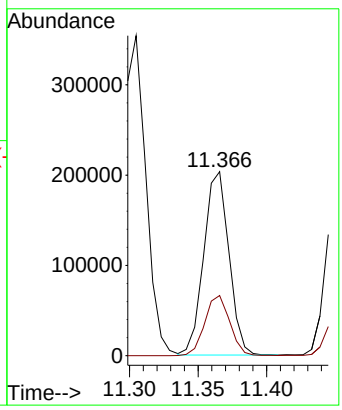


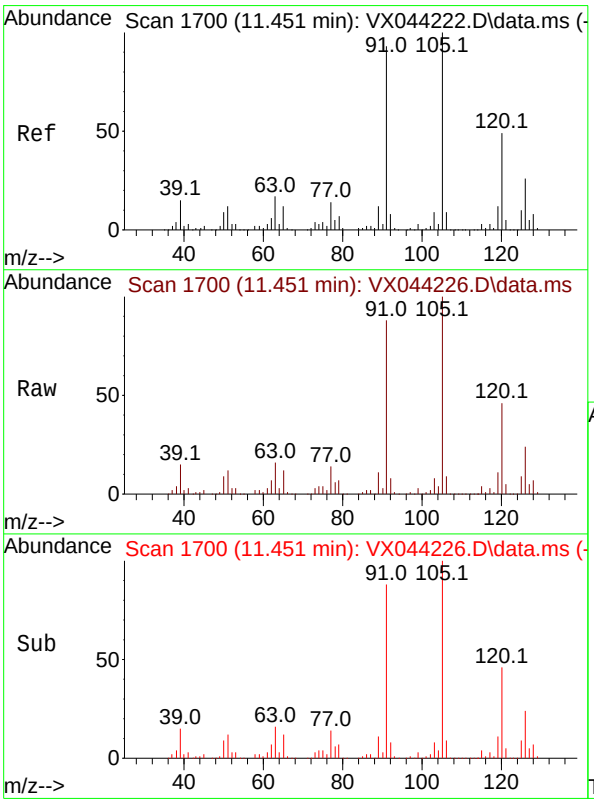
#79
2-Chlorotoluene
Concen: 47.546 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 91 Resp: 259860

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.1

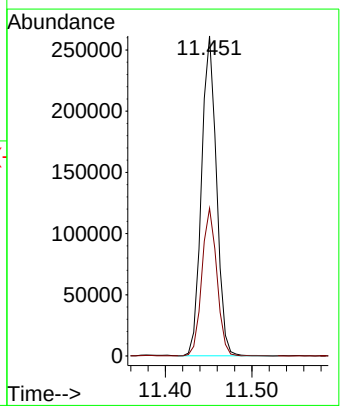


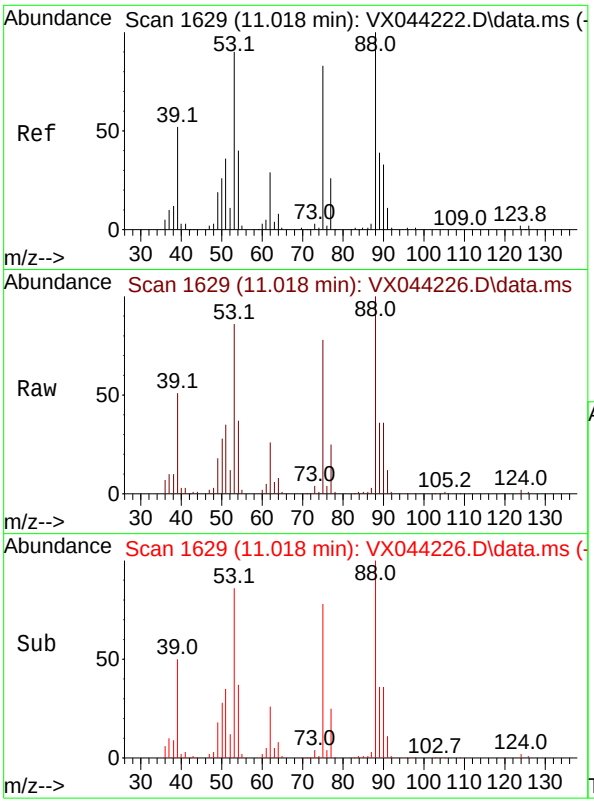


#80
1,3,5-Trimethylbenzene
Concen: 49.431 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:105 Resp: 313435

Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.8	71.4



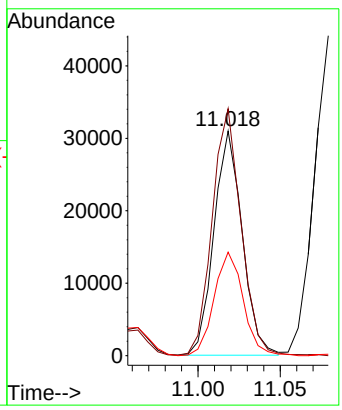


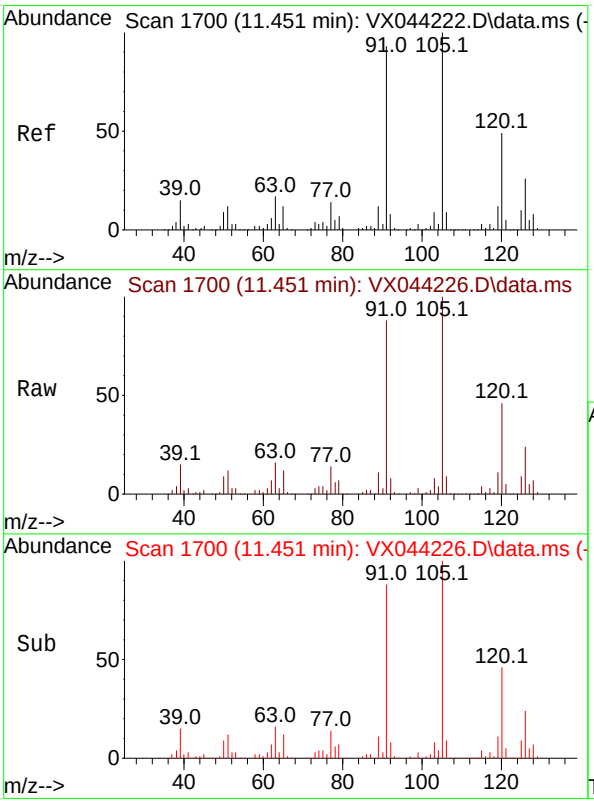
#81
trans-1,4-Dichloro-2-butene
Concen: 47.861 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 75 Resp: 37038

Ion	Ratio	Lower	Upper
75	100		
53	112.6	93.6	140.4
89	47.5	37.3	55.9

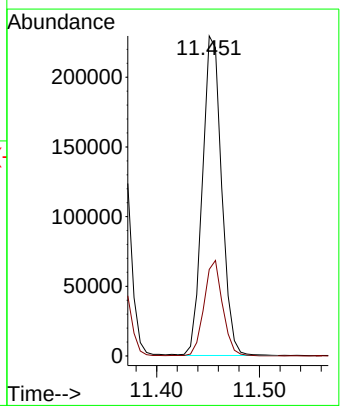


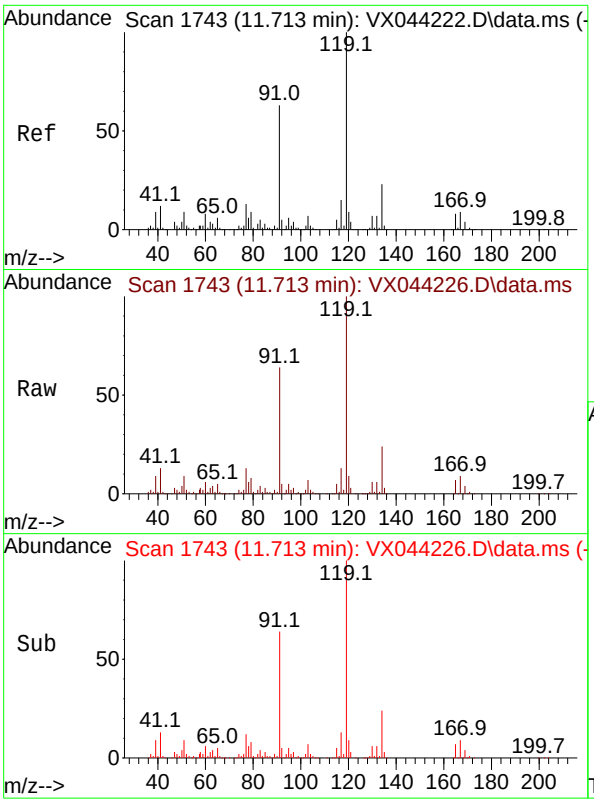


#82
4-Chlorotoluene
Concen: 49.178 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 91 Resp: 297641

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.5	43.5



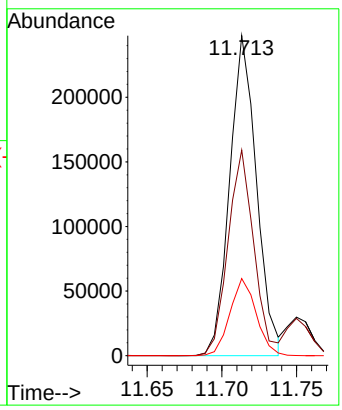


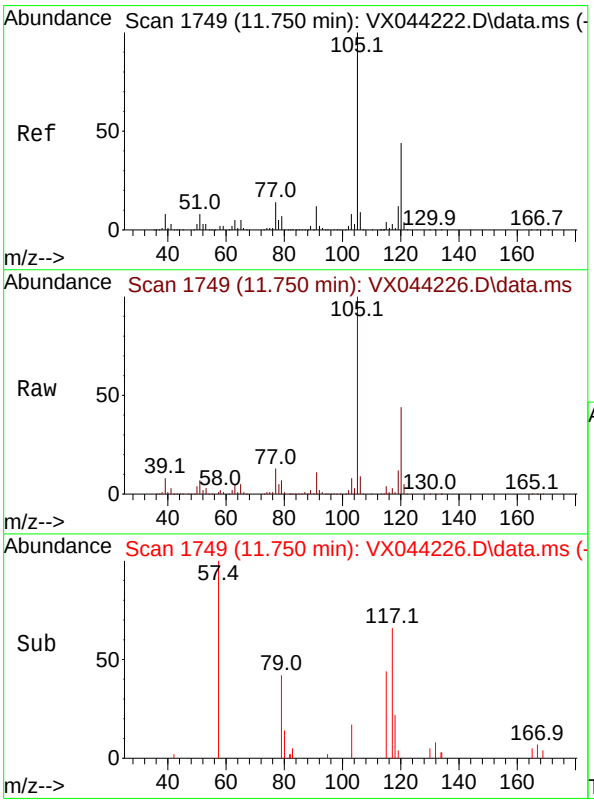
#83
tert-Butylbenzene
Concen: 49.384 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion:119 Resp: 309463

Ion	Ratio	Lower	Upper
119	100		
91	62.1	30.9	92.5
134	23.6	11.5	34.4

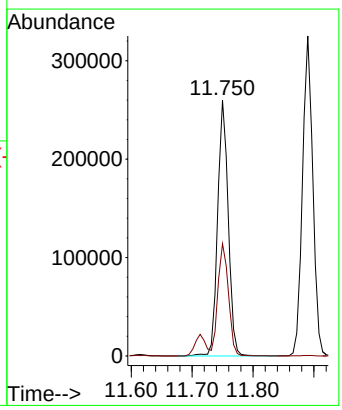


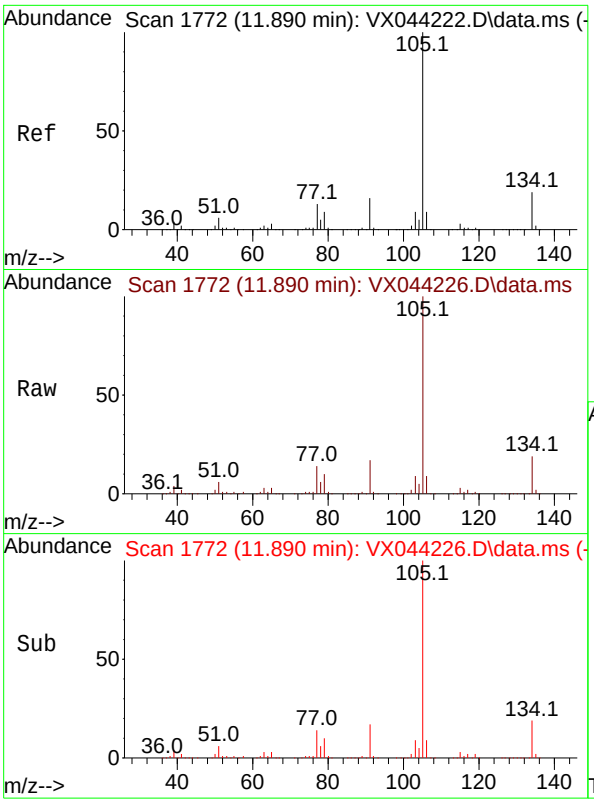


#84
1,2,4-Trimethylbenzene
Concen: 50.333 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:105 Resp: 313433

Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.7	65.1



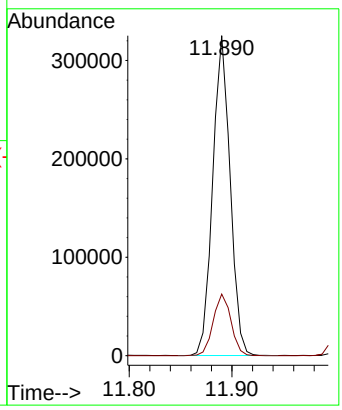


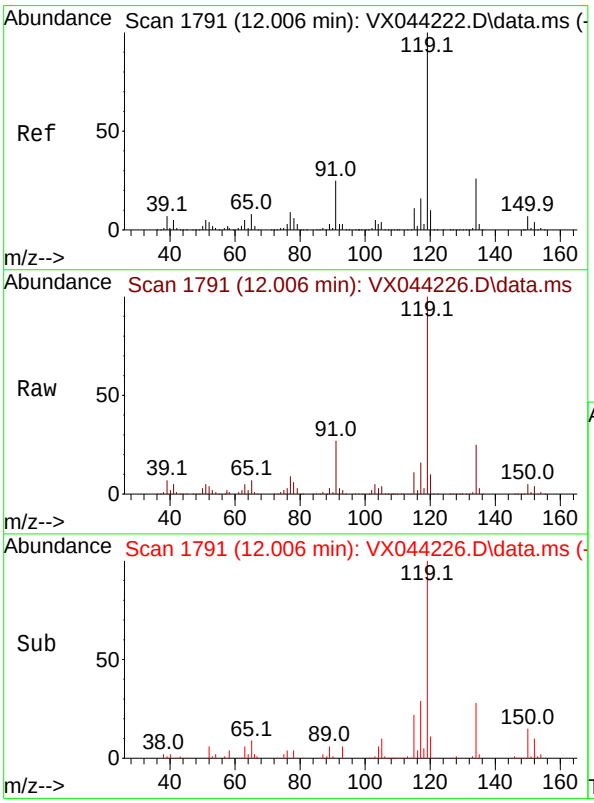
#85
sec-Butylbenzene
Concen: 50.097 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion:105 Resp: 381109

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.4

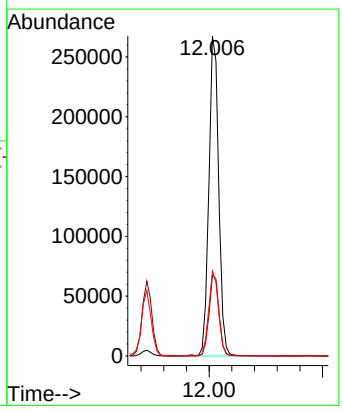


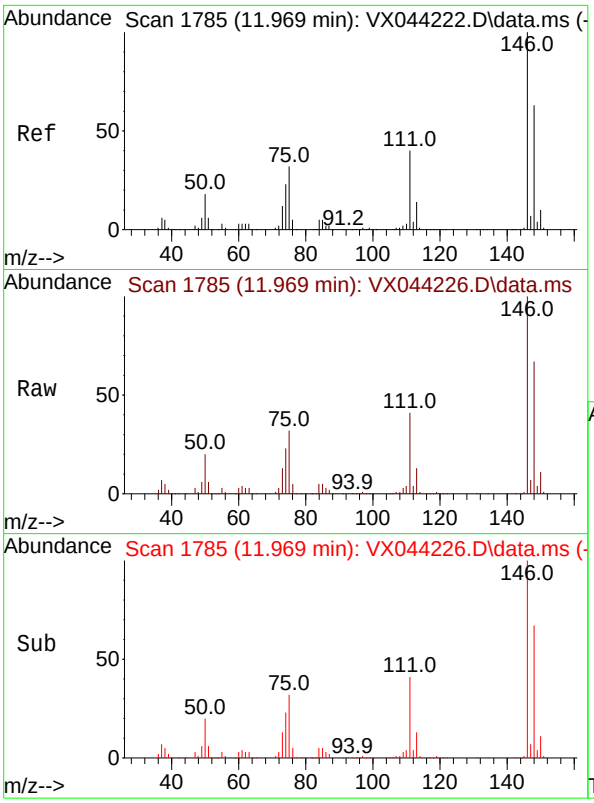


#86
p-Isopropyltoluene
Concen: 50.678 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:119 Resp: 320882

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.4
91	26.3	13.0	39.0



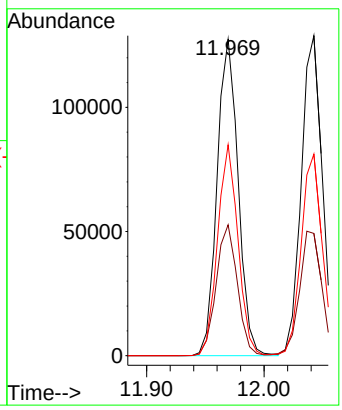


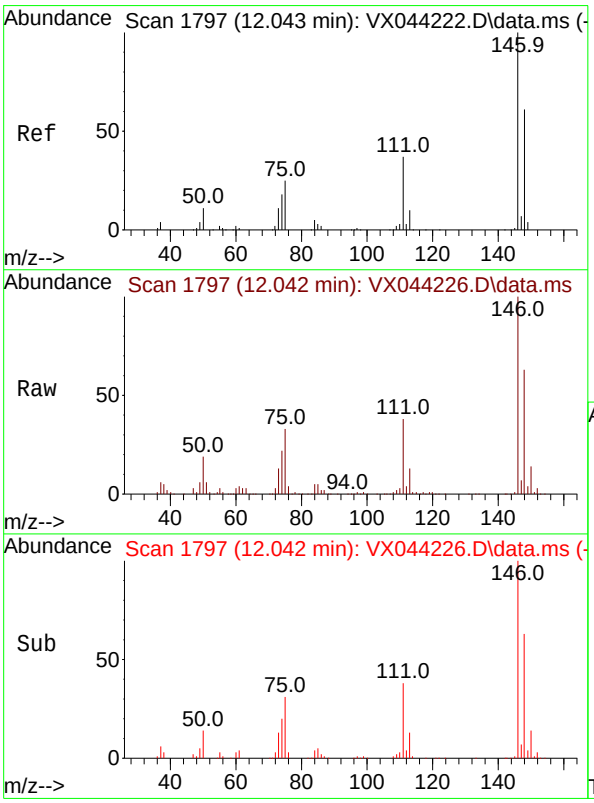
#87
1,3-Dichlorobenzene
Concen: 49.122 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion:146 Resp: 159094

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.4	64.2
148	64.7	31.7	95.1

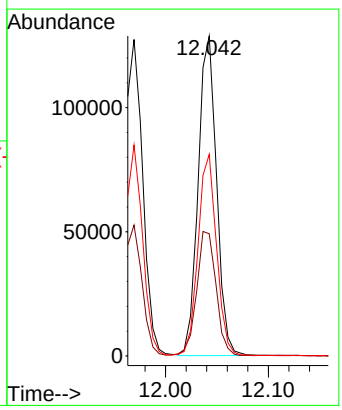


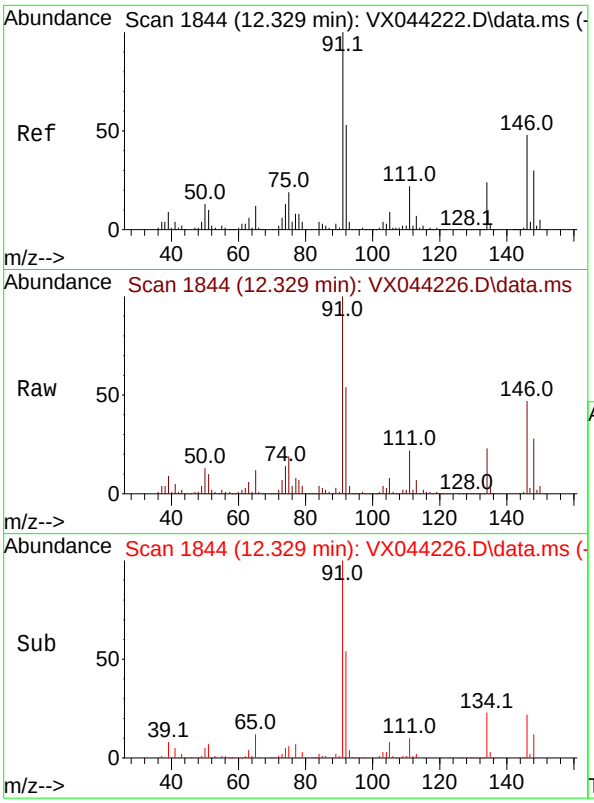


#88
1,4-Dichlorobenzene
Concen: 48.280 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:146 Resp: 160742

Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.0	63.0
148	63.6	32.3	96.8



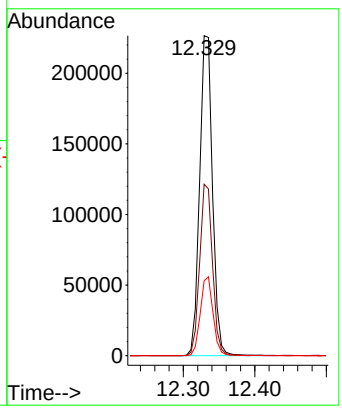


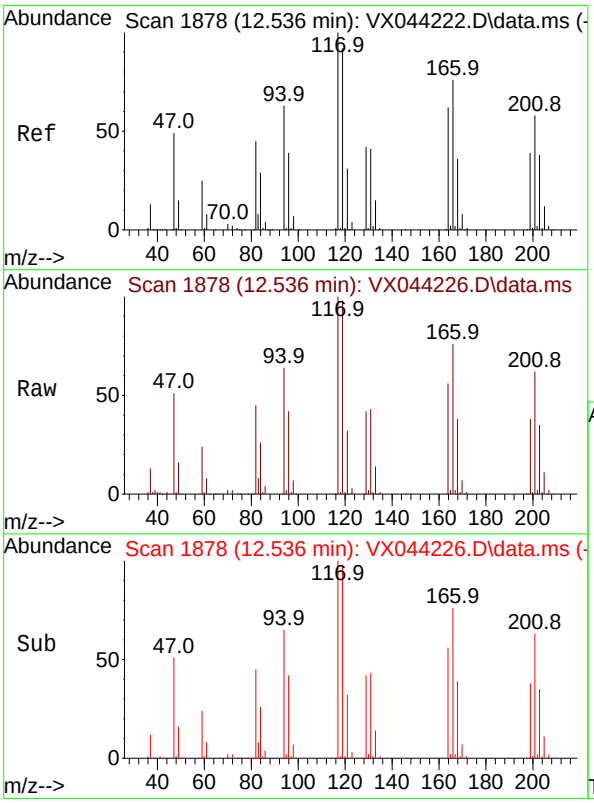
#89
n-Butylbenzene
Concen: 53.207 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion: 91 Resp: 283284

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.6	79.7
134	24.3	12.6	37.8

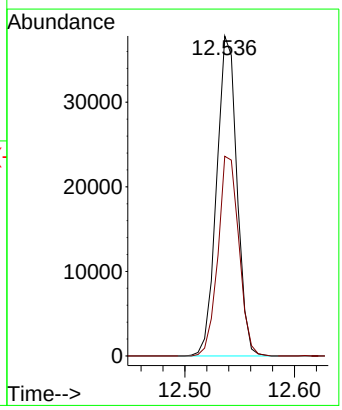


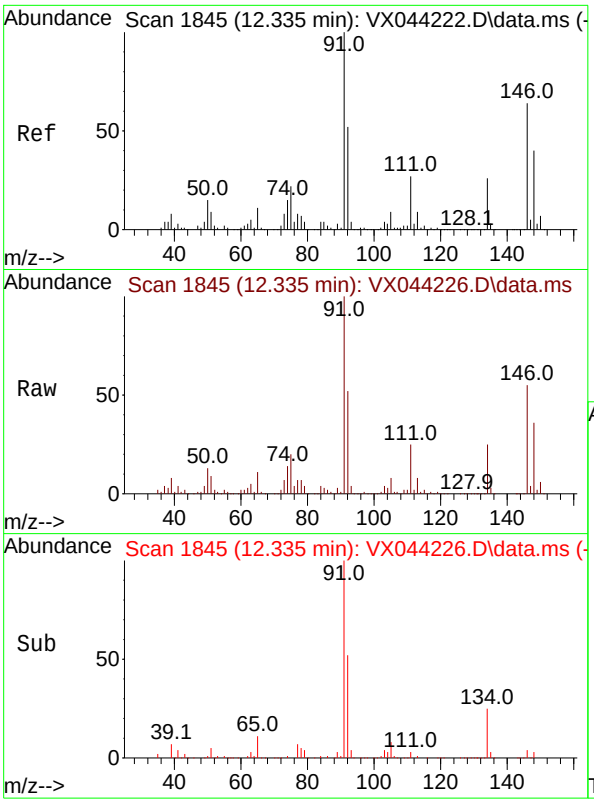


#90
Hexachloroethane
Concen: 52.727 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:117 Resp: 48734

Ion	Ratio	Lower	Upper
117	100		
201	64.3	31.4	94.2



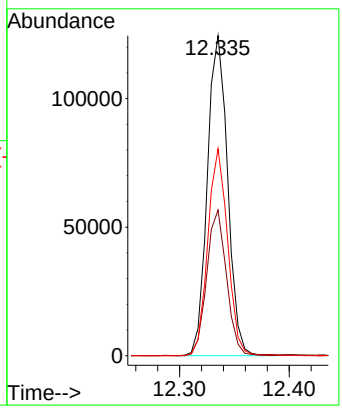


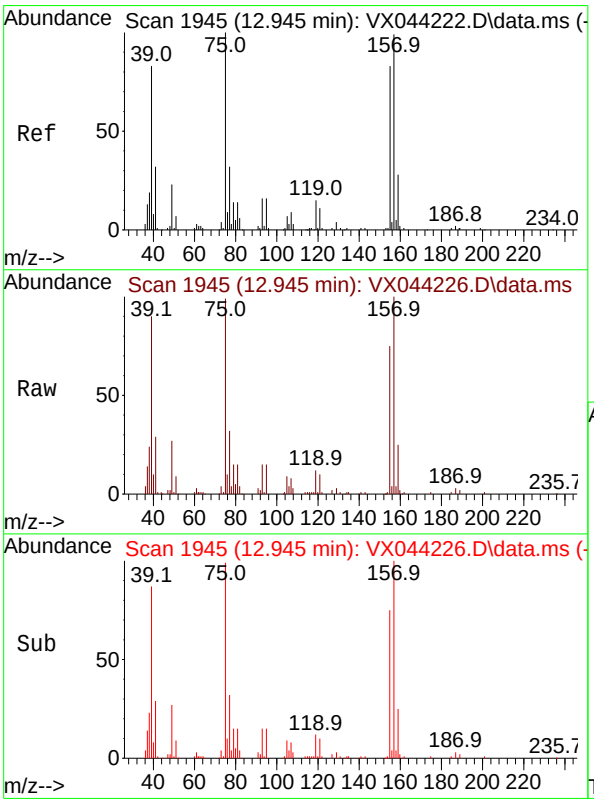
#91
1,2-Dichlorobenzene
Concen: 47.589 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion:146 Resp: 160039

Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.4	64.3
148	63.4	31.6	95.0

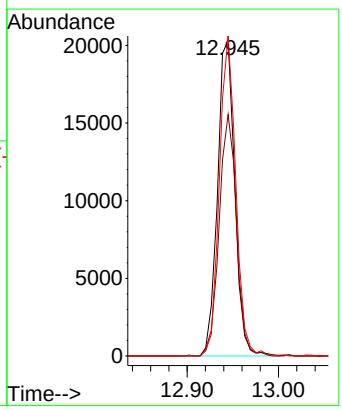


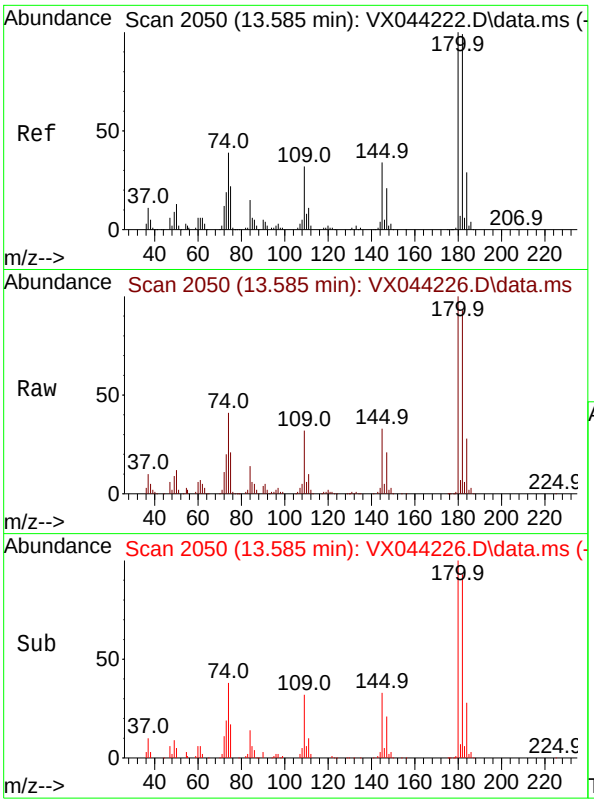


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.864 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion: 75 Resp: 26738

Ion	Ratio	Lower	Upper
75	100		
155	76.5	38.1	114.3
157	96.3	47.2	141.6



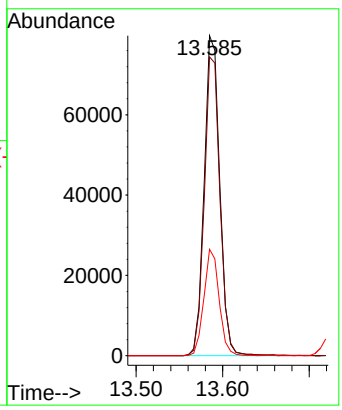


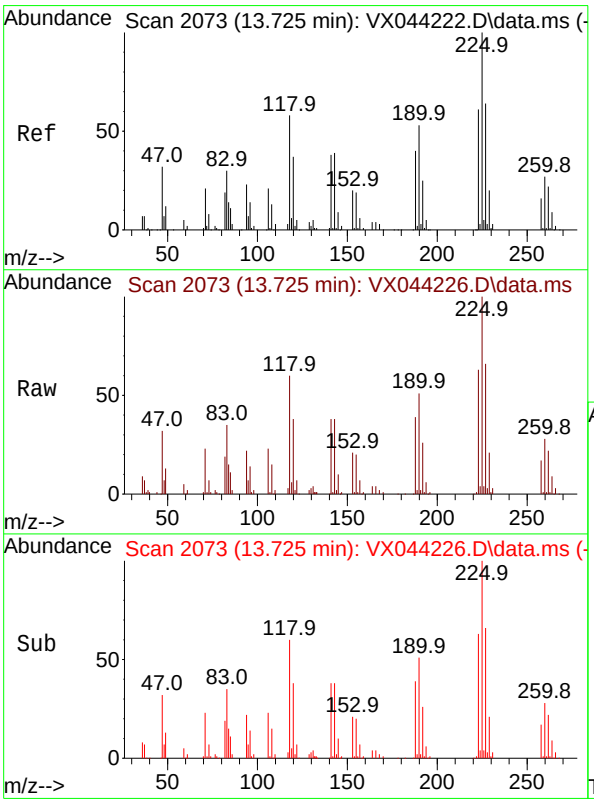
#93
1,2,4-Trichlorobenzene
Concen: 53.940 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion:180 Resp: 99449

Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.0	144.2
145	32.6	16.6	49.7

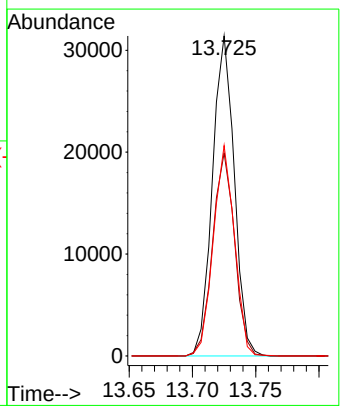


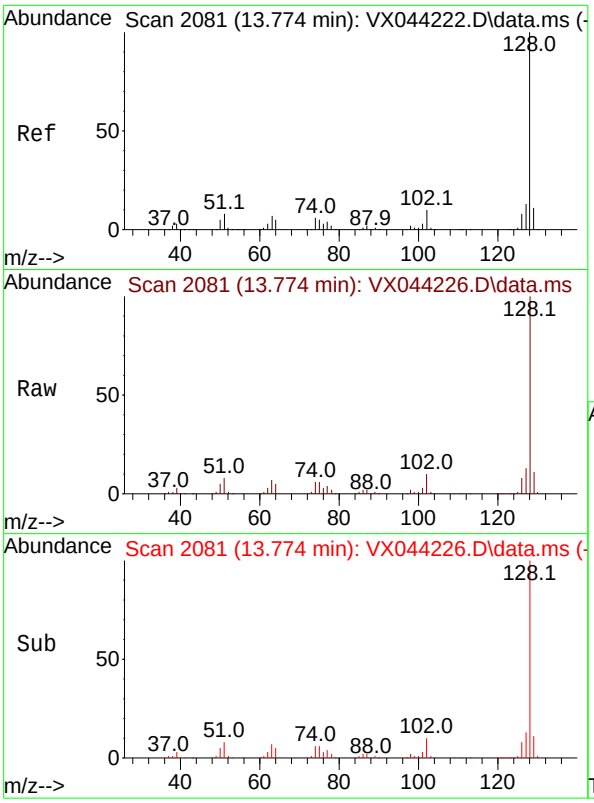


#94
Hexachlorobutadiene
Concen: 50.770 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:225 Resp: 37651

Ion	Ratio	Lower	Upper
225	100		
223	63.9	30.8	92.4
227	63.7	32.1	96.3



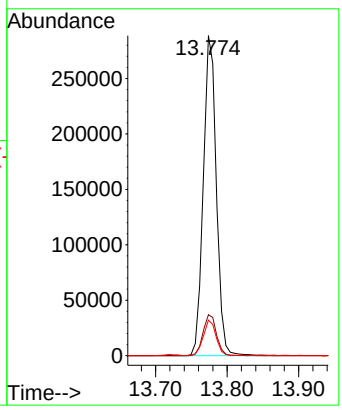


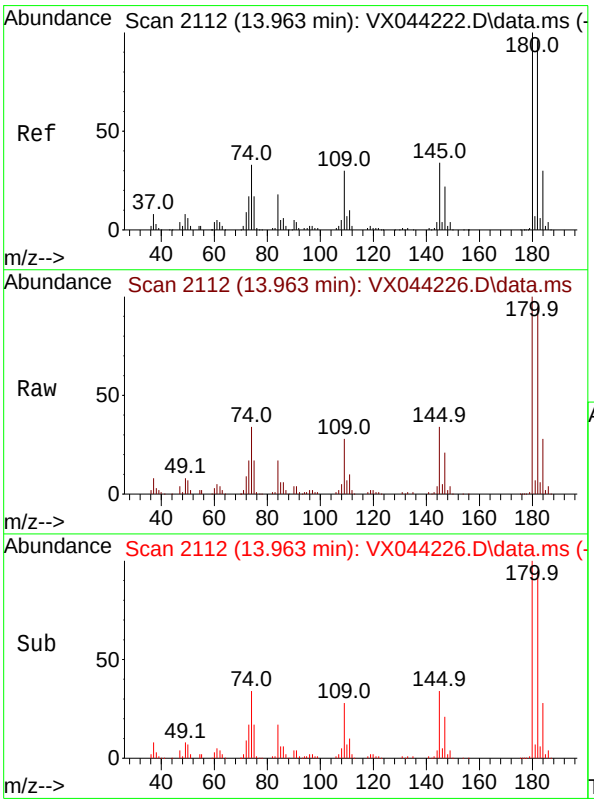
#95
Naphthalene
Concen: 50.827 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Tgt Ion:128 Resp: 365781

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.9	9.0	13.4

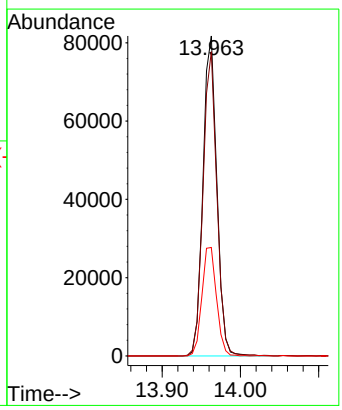




#96
1,2,3-Trichlorobenzene
Concen: 51.244 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044226.D
Acq: 11 Dec 2024 13:51

Tgt Ion:180 Resp: 100209

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.0	144.0
145	35.7	17.7	53.1



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	137969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	223553	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	195826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	98470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	98268	40.623	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 81.240%			
35) Dibromofluoromethane	5.379	113	77511	50.062	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.120%			
50) Toluene-d8	8.647	98	257484	49.293	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.580%			
62) 4-Bromofluorobenzene	11.079	95	92916	50.906	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	97119	45.524	ug/l	97
3) Chloromethane	1.294	50	89508	43.875	ug/l	98
4) Vinyl Chloride	1.374	62	92481	43.513	ug/l	99
5) Bromomethane	1.593	94	62273	41.301	ug/l	98
6) Chloroethane	1.660	64	58013	43.836	ug/l	100
7) Trichlorofluoromethane	1.868	101	169183	40.661	ug/l	100
8) Diethyl Ether	2.130	74	65134	45.861	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.313	101	83029	49.314	ug/l	94
10) Methyl Iodide	2.441	142	110611	49.847	ug/l	95
11) Tert butyl alcohol	2.995	59	69435	203.663	ug/l	99
12) 1,1-Dichloroethene	2.306	96	75538	48.846	ug/l	91
13) Acrolein	2.233	56	70342	142.534	ug/l	99
14) Allyl chloride	2.654	41	115796	44.955	ug/l	98
15) Acrylonitrile	3.069	53	220193	233.158	ug/l	98
16) Acetone	2.386	43	194756	197.479	ug/l	100
17) Carbon Disulfide	2.495	76	133615	45.453	ug/l	99
18) Methyl Acetate	2.703	43	118398	46.562	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	261931	43.403	ug/l	98
20) Methylene Chloride	2.782	84	83957	45.325	ug/l	93
21) trans-1,2-Dichloroethene	3.081	96	74662	45.427	ug/l	97
22) Diisopropyl ether	3.764	45	251297	43.324	ug/l	98
23) Vinyl Acetate	3.721	43	1085699	230.231	ug/l	98
24) 1,1-Dichloroethane	3.599	63	147276	45.551	ug/l	99
25) 2-Butanone	4.562	43	304270	217.020	ug/l	98
26) 2,2-Dichloropropane	4.465	77	122500	46.637	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	96079	46.029	ug/l	94
28) Bromochloromethane	4.897	49	67730	42.719	ug/l	92
29) Tetrahydrofuran	5.007	42	195789	217.562	ug/l	99
30) Chloroform	5.086	83	160188	44.097	ug/l	97
31) Cyclohexane	5.458	56	115447	44.218	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	139739	46.342	ug/l	100
36) 1,1-Dichloropropene	5.684	75	98907	49.419	ug/l	98
37) Ethyl Acetate	4.721	43	117573	47.524	ug/l	97
38) Carbon Tetrachloride	5.666	117	113637	52.739	ug/l	99
39) Methylcyclohexane	7.373	83	128975	53.905	ug/l	96
40) Benzene	6.031	78	313533	51.597	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	63812	48.575 ug/l	95
42) 1,2-Dichloroethane	6.080	62	122458	48.922 ug/l	96
43) Isopropyl Acetate	6.342	43	191709	49.578 ug/l	99
44) Trichloroethene	7.123	130	81658	53.888 ug/l	93
45) 1,2-Dichloropropane	7.428	63	79249	51.047 ug/l	93
46) Dibromomethane	7.580	93	61783	51.298 ug/l	91
47) Bromodichloromethane	7.818	83	112645	54.155 ug/l	99
48) Methyl methacrylate	7.696	41	91897	48.959 ug/l	96
49) 1,4-Dioxane	7.665	88	27012	867.976 ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	622530	250.388 ug/l	98
52) Toluene	8.714	92	195660	51.274 ug/l	98
53) t-1,3-Dichloropropene	8.976	75	109219	48.988 ug/l	94
54) cis-1,3-Dichloropropene	8.360	75	122807	54.223 ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	81590	53.821 ug/l	99
56) Ethyl methacrylate	9.116	69	122100	51.019 ug/l	98
57) 1,3-Dichloropropane	9.305	76	134878	51.116 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	279710	231.727 ug/l	98
59) 2-Hexanone	9.433	43	456184	253.490 ug/l	97
60) Dibromochloromethane	9.519	129	84109	52.230 ug/l	98
61) 1,2-Dibromoethane	9.610	107	86500	56.057 ug/l	96
64) Tetrachloroethene	9.269	164	73466	56.524 ug/l	97
65) Chlorobenzene	10.079	112	222713	53.076 ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	77293	57.314 ug/l	99
67) Ethyl Benzene	10.189	91	381762	52.655 ug/l	98
68) m/p-Xylenes	10.299	106	283669	106.627 ug/l	97
69) o-Xylene	10.640	106	142859	53.072 ug/l	94
70) Styrene	10.653	104	239936	55.603 ug/l	96
71) Bromoform	10.799	173	53742	56.136 ug/l #	99
73) Isopropylbenzene	10.963	105	371310	49.257 ug/l	99
74) N-amyl acetate	10.842	43	159962	45.915 ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	122724	46.872 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	134654	61.245 ug/l	86
77) Bromobenzene	11.195	156	93453	51.123 ug/l	93
78) n-propylbenzene	11.305	91	414470	49.746 ug/l	97
79) 2-Chlorotoluene	11.366	91	253407	47.028 ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	309707	49.542 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	33669	44.565 ug/l	98
82) 4-Chlorotoluene	11.451	91	289361	48.495 ug/l	97
83) tert-Butylbenzene	11.713	119	311269	50.383 ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	311357	50.715 ug/l	96
85) sec-Butylbenzene	11.890	105	385987	51.464 ug/l	98
86) p-Isopropyltoluene	12.006	119	323908	51.888 ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	167888	52.579 ug/l	97
88) 1,4-Dichlorobenzene	12.036	146	166124	50.610 ug/l	98
89) n-Butylbenzene	12.329	91	273813	52.164 ug/l	99
90) Hexachloroethane	12.536	117	48767	53.517 ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	169759	51.202 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	23942	47.105 ug/l	83
93) 1,2,4-Trichlorobenzene	13.585	180	103255	56.806 ug/l	98
94) Hexachlorobutadiene	13.725	225	43572	59.595 ug/l	96
95) Naphthalene	13.774	128	362347	51.070 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	108119	56.081 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

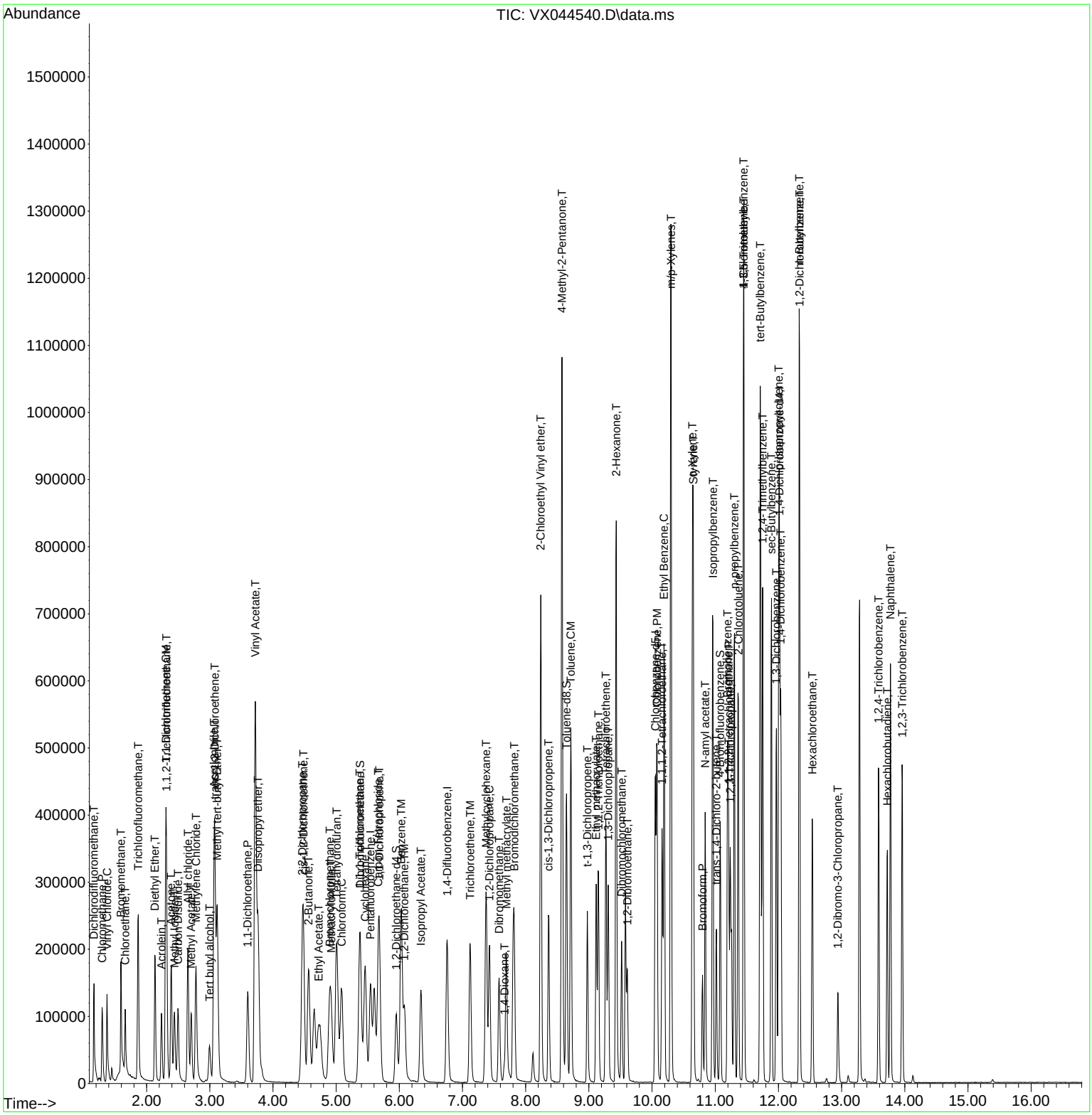
(#) = qualifier out of range (m) = manual integration (+) = signals summed

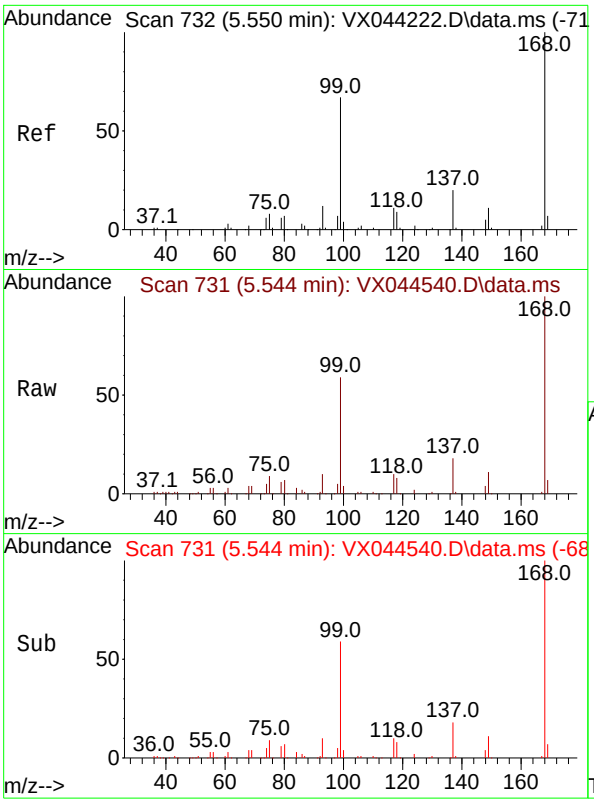
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044540.D
Acq On : 30 Dec 2024 13:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Dec 31 04:53:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



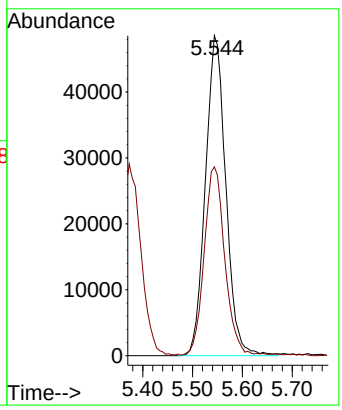


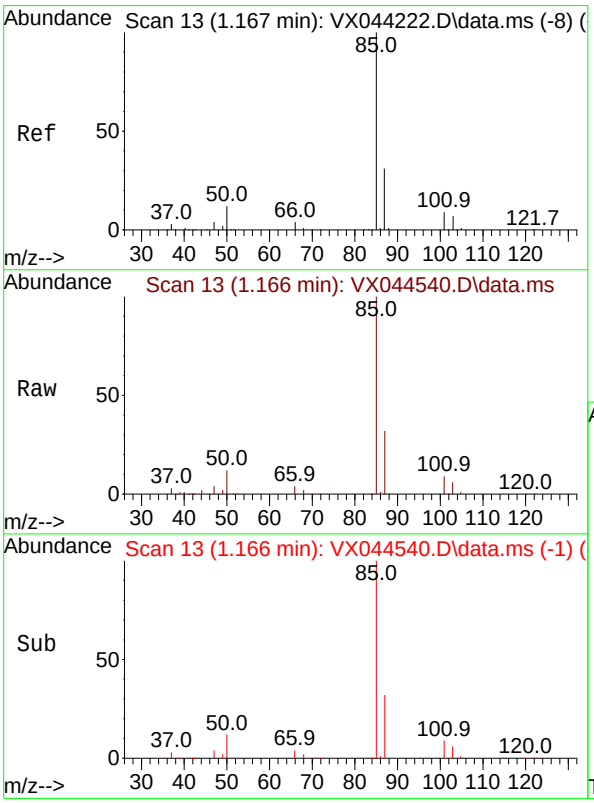
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 137969

Ion	Ratio	Lower	Upper
168	100		
99	58.6	53.4	80.0

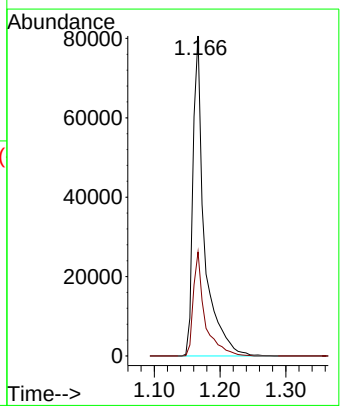


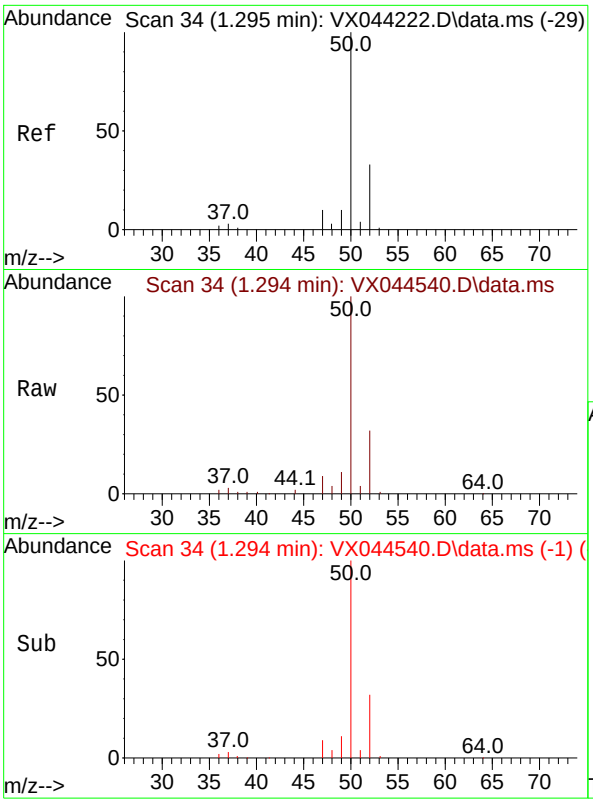


#2
Dichlorodifluoromethane
Concen: 45.524 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 85 Resp: 97119

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.4	46.4



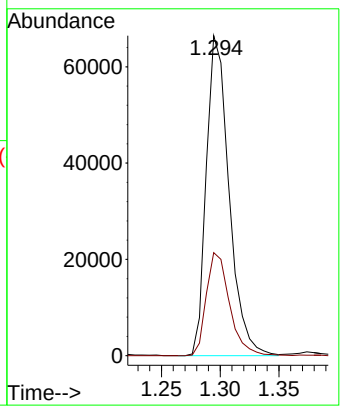


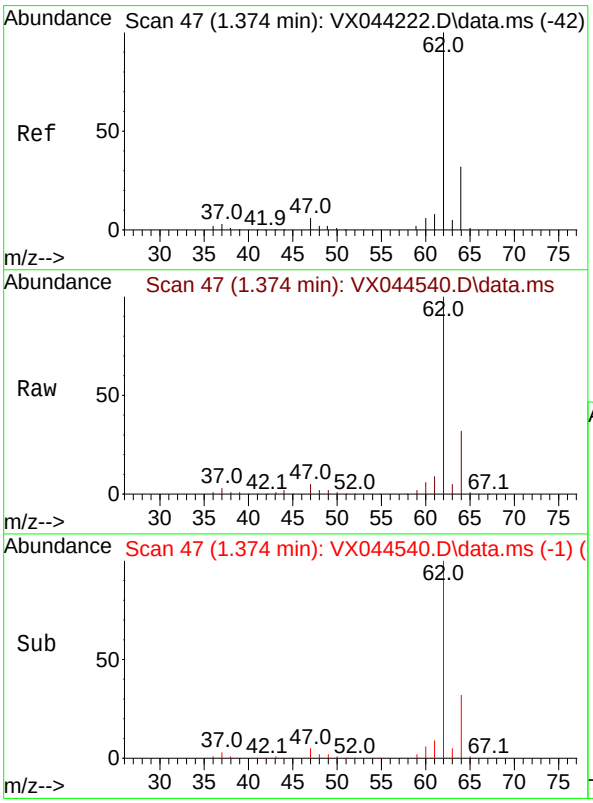
#3
Chloromethane
Concen: 43.875 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 89508

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.5	39.7

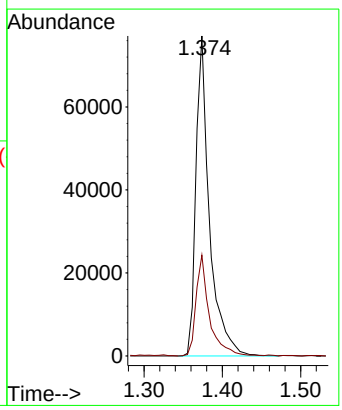


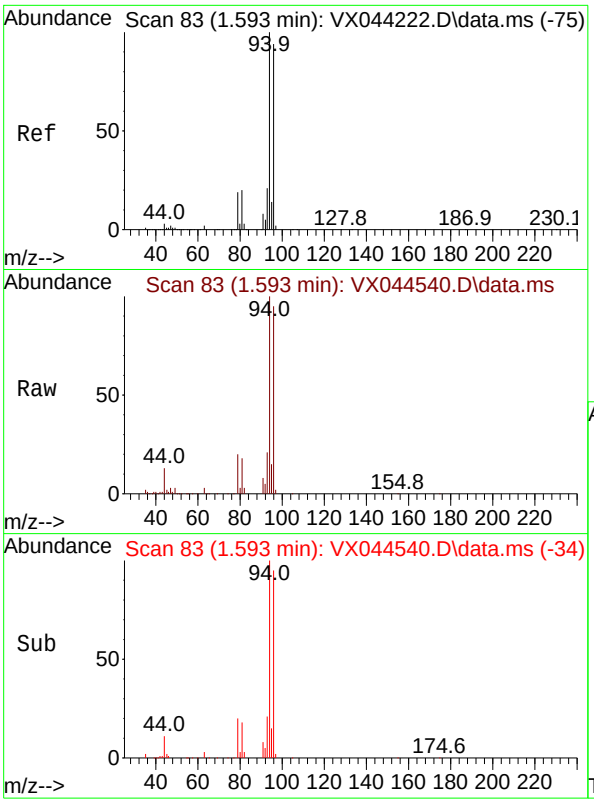


#4
Vinyl Chloride
Concen: 43.513 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 62 Resp: 92481

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.7	38.5



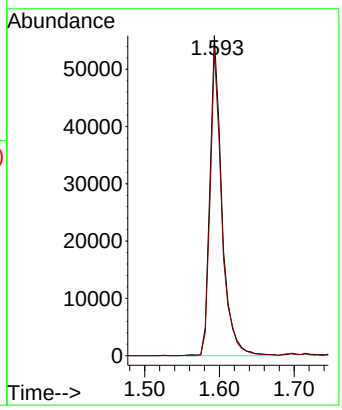


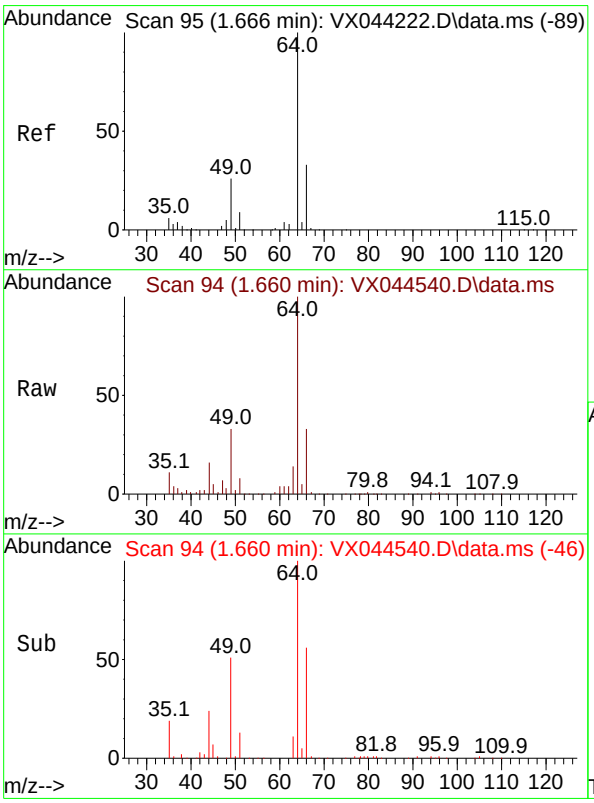
#5
Bromomethane
Concen: 41.301 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 62273

Ion	Ratio	Lower	Upper
94	100		
96	95.3	74.9	112.3

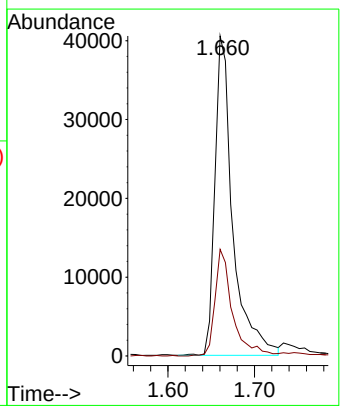


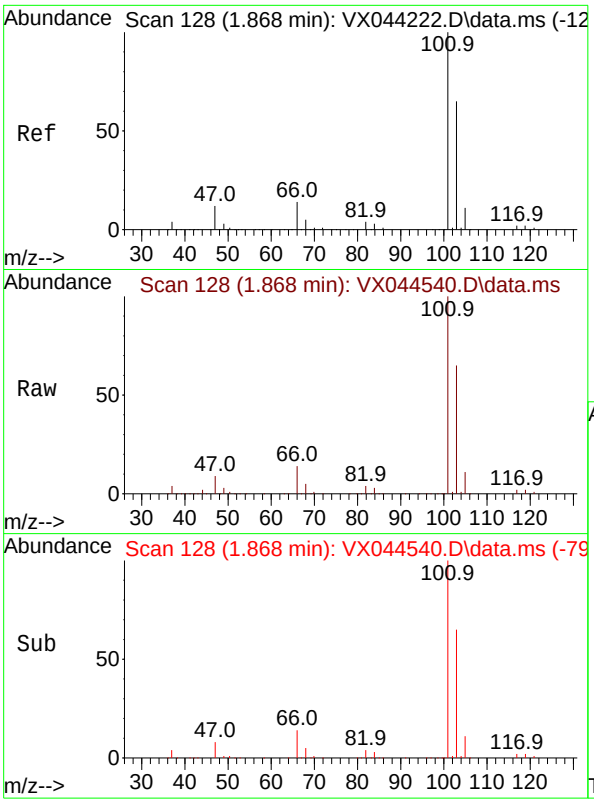


#6
Chloroethane
Concen: 43.836 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 64 Resp: 58013

Ion	Ratio	Lower	Upper
64	100		
66	33.4	26.6	39.8



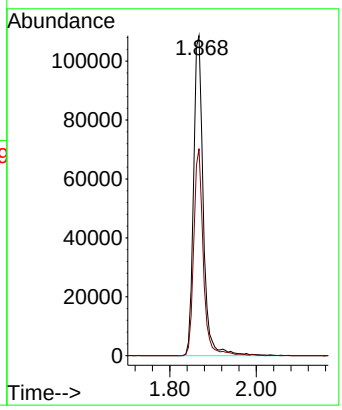


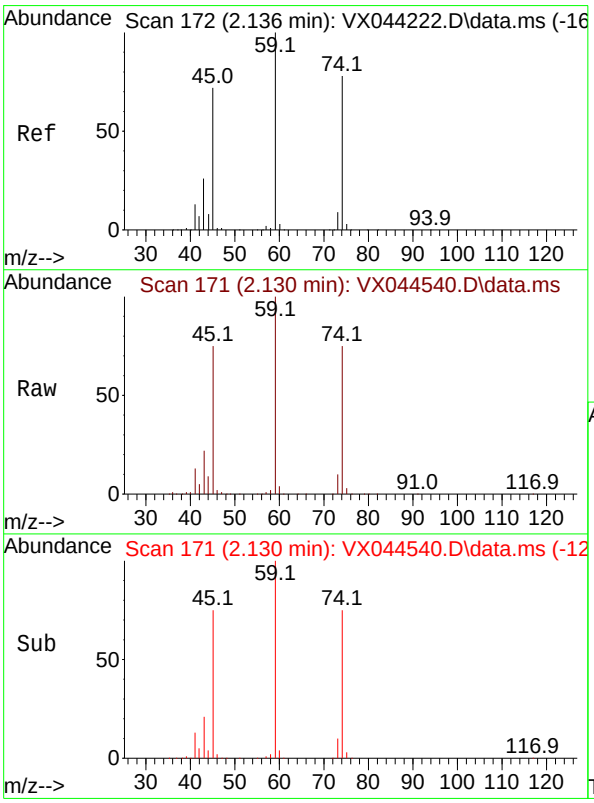
#7
Trichlorofluoromethane
Concen: 40.661 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 169183

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.8	77.8

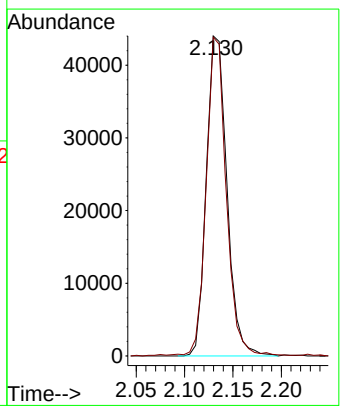


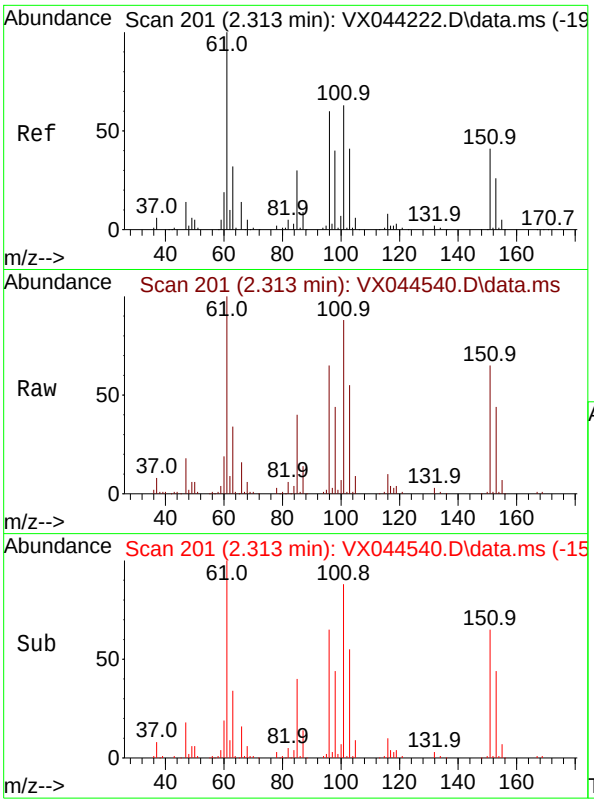


#8
Diethyl Ether
Concen: 45.861 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 74 Resp: 65134

Ion	Ratio	Lower	Upper
74	100		
45	97.6	48.4	145.0



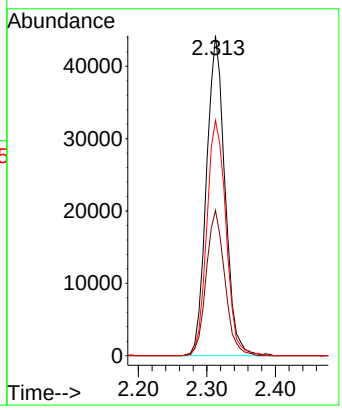


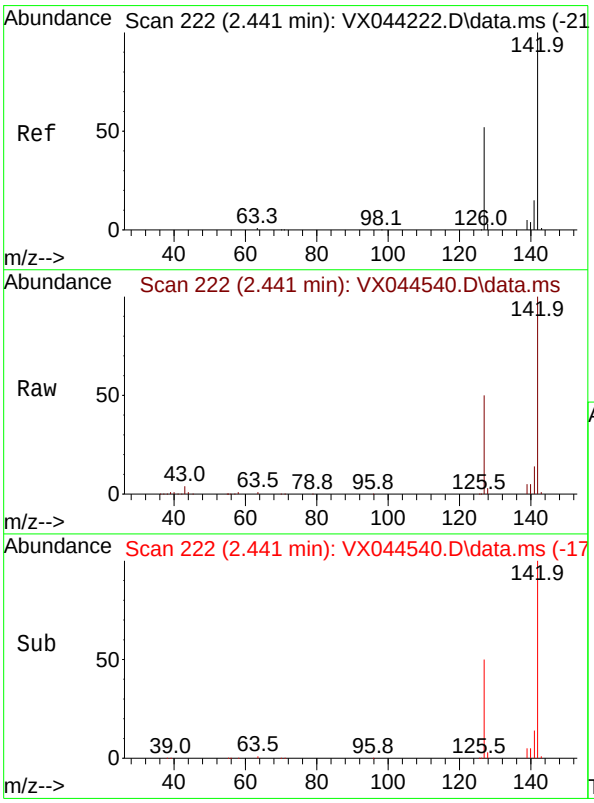
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.314 ug/l
RT: 2.313 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 83029

Ion	Ratio	Lower	Upper
101	100		
85	45.6	38.5	57.7
151	76.2	55.8	83.6

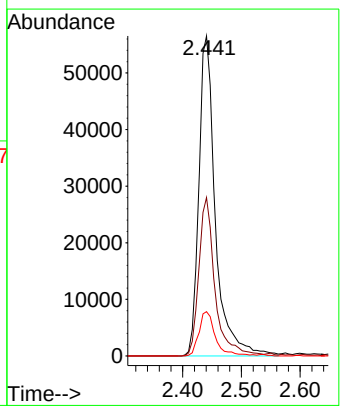


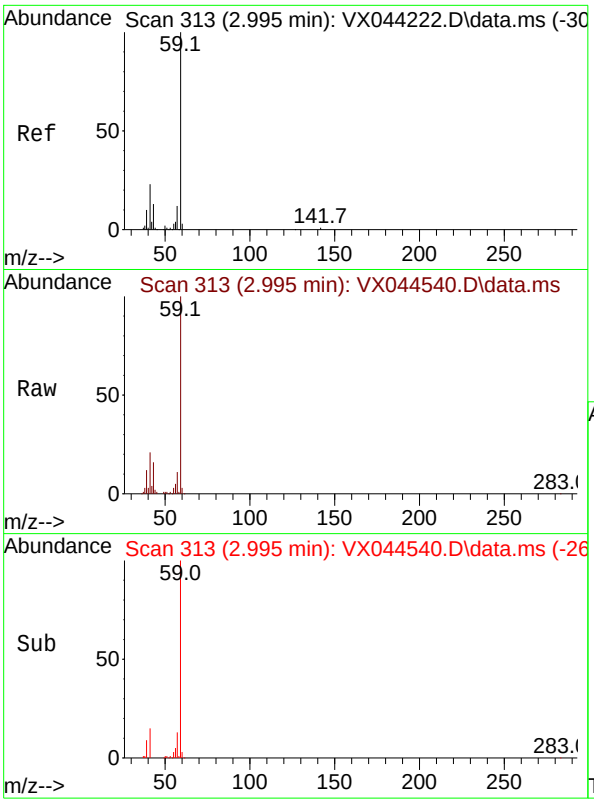


#10
Methyl Iodide
Concen: 49.847 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:142 Resp: 110611

Ion	Ratio	Lower	Upper
142	100		
127	48.2	41.8	62.8
141	13.9	11.5	17.3



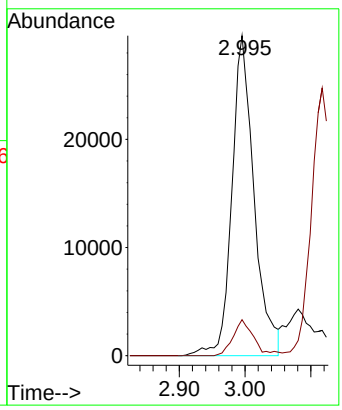


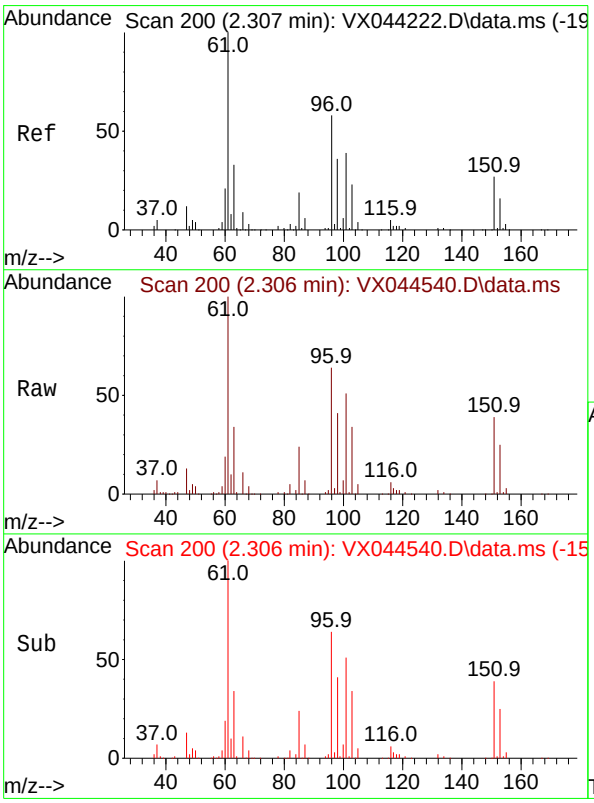
#11
Tert butyl alcohol
Concen: 203.663 ug/l
RT: 2.995 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 69435

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.8	13.2

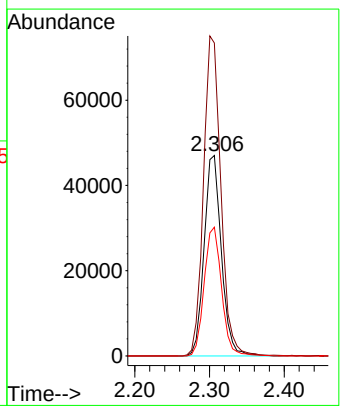


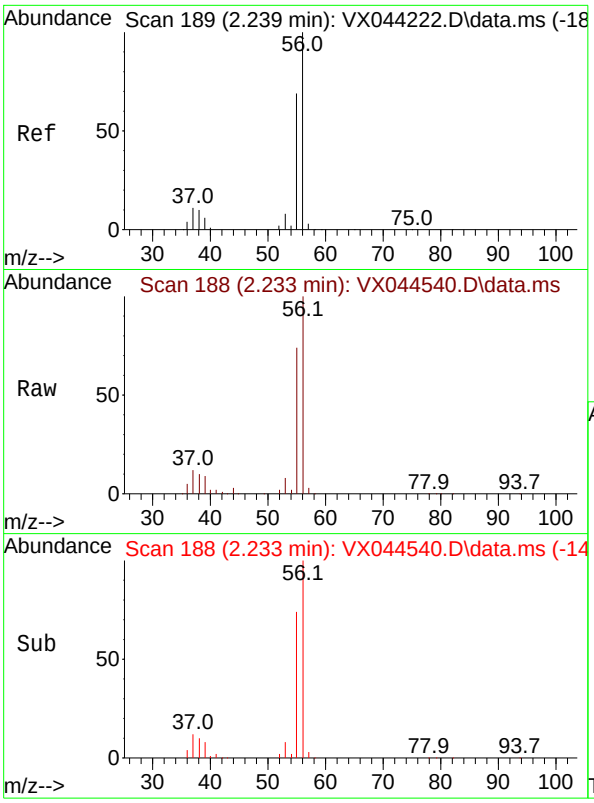


#12
1,1-Dichloroethene
Concen: 48.846 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 96 Resp: 75538

Ion	Ratio	Lower	Upper
96	100		
61	156.1	138.0	207.0
98	64.3	50.0	75.0



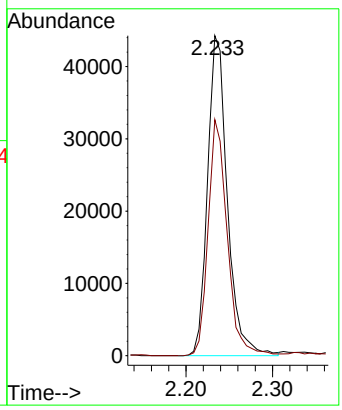


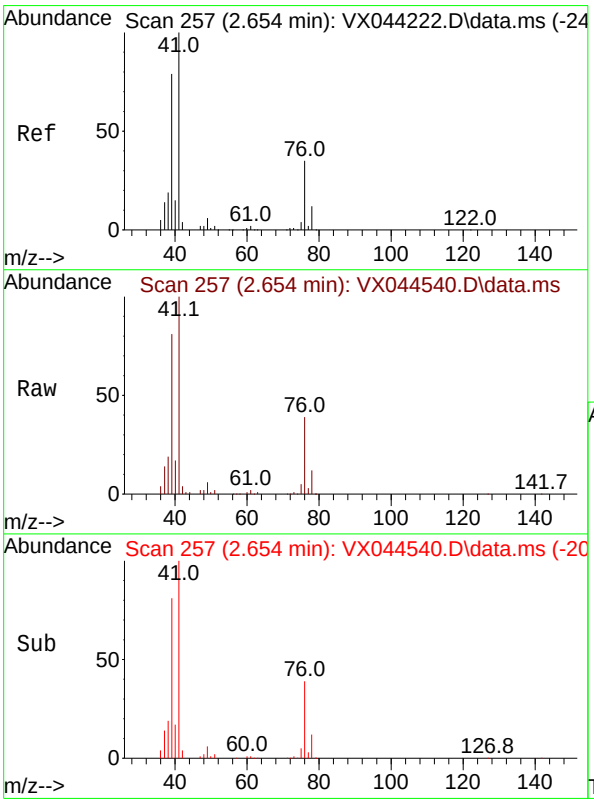
#13
Acrolein
Concen: 142.534 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 70342

Ion	Ratio	Lower	Upper
56	100		
55	71.3	56.6	84.8

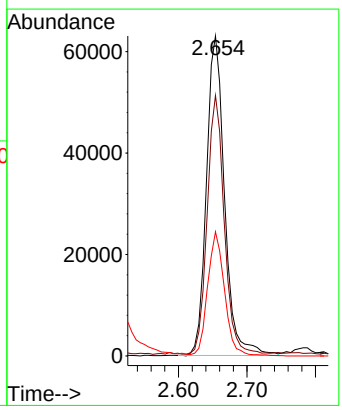


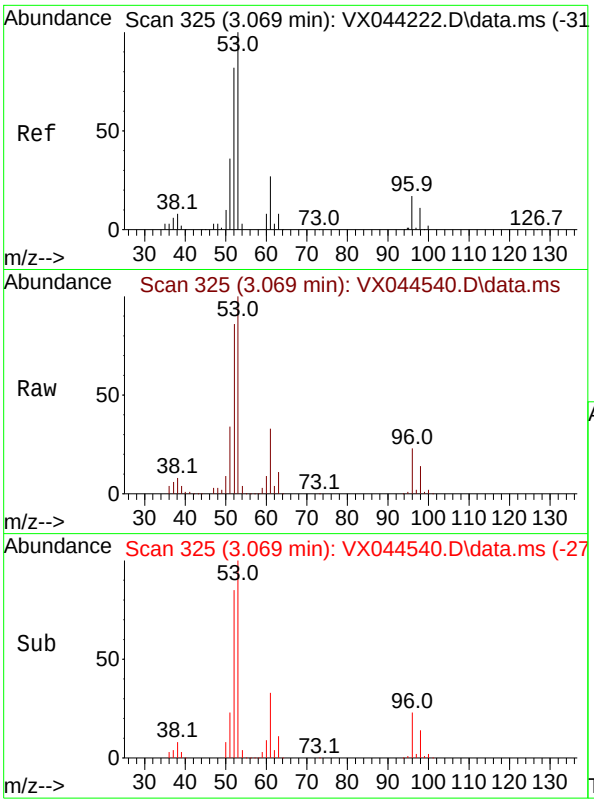


#14
Allyl chloride
Concen: 44.955 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 41 Resp: 115796

Ion	Ratio	Lower	Upper
41	100		
39	76.1	61.9	92.9
76	36.4	27.4	41.2



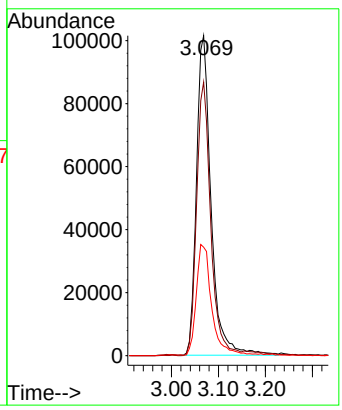


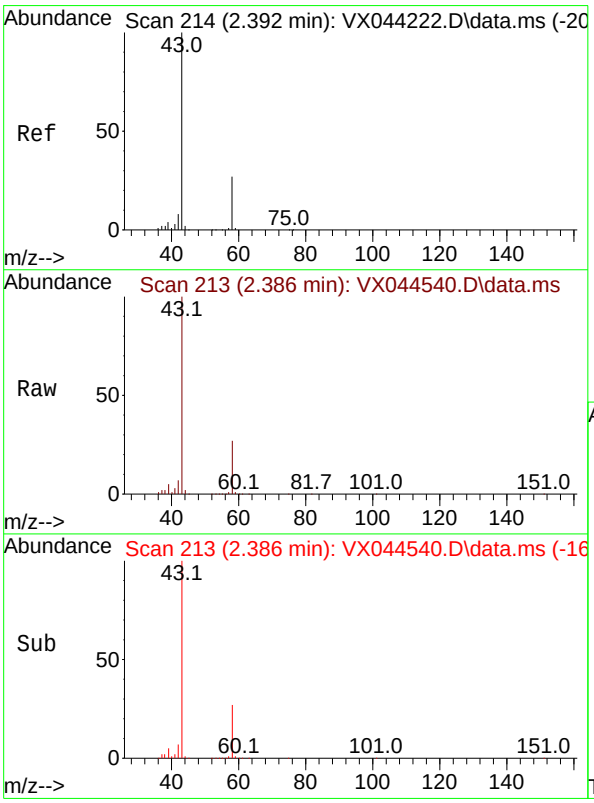
#15
Acrylonitrile
Concen: 233.158 ug/l
RT: 3.069 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 220193

Ion	Ratio	Lower	Upper
53	100		
52	82.3	67.4	101.0
51	36.4	30.3	45.5

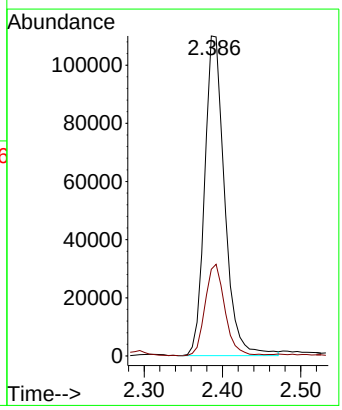


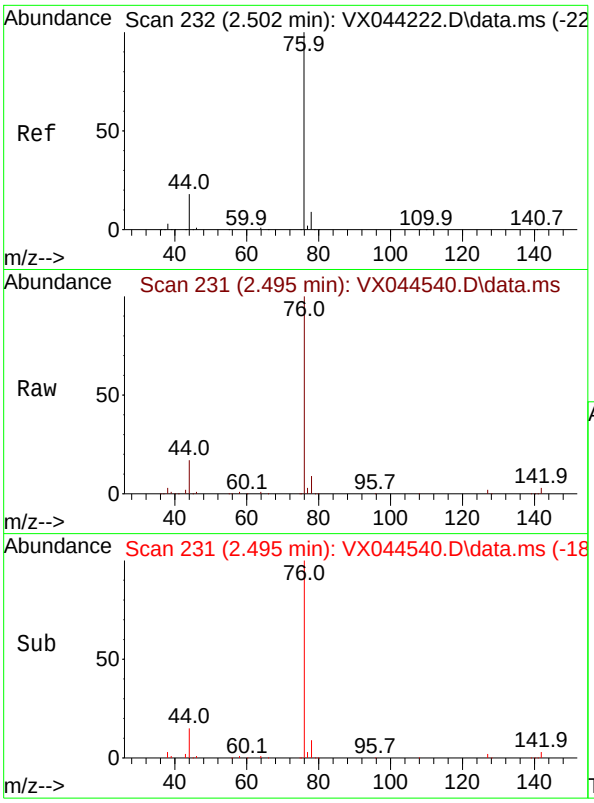


#16
Acetone
Concen: 197.479 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 43 Resp: 194756

Ion	Ratio	Lower	Upper
43	100		
58	27.0	21.6	32.4



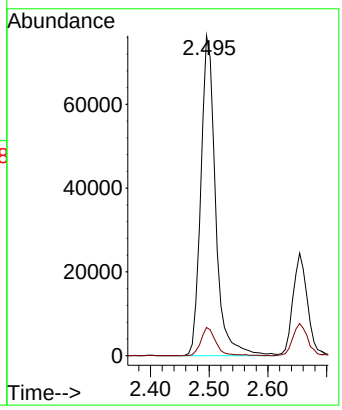


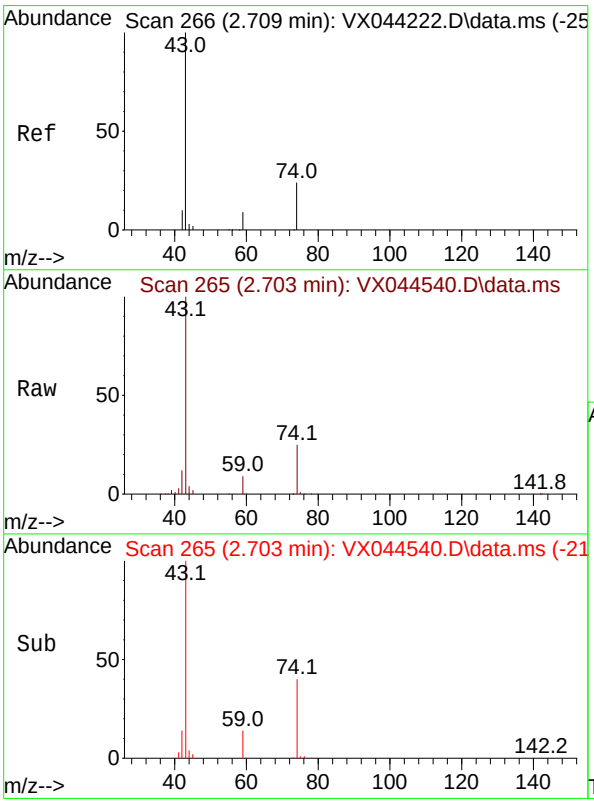
#17
Carbon Disulfide
Concen: 45.453 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 133615

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0

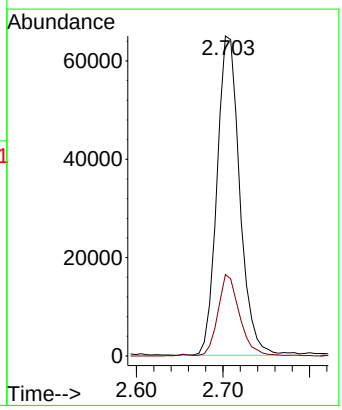


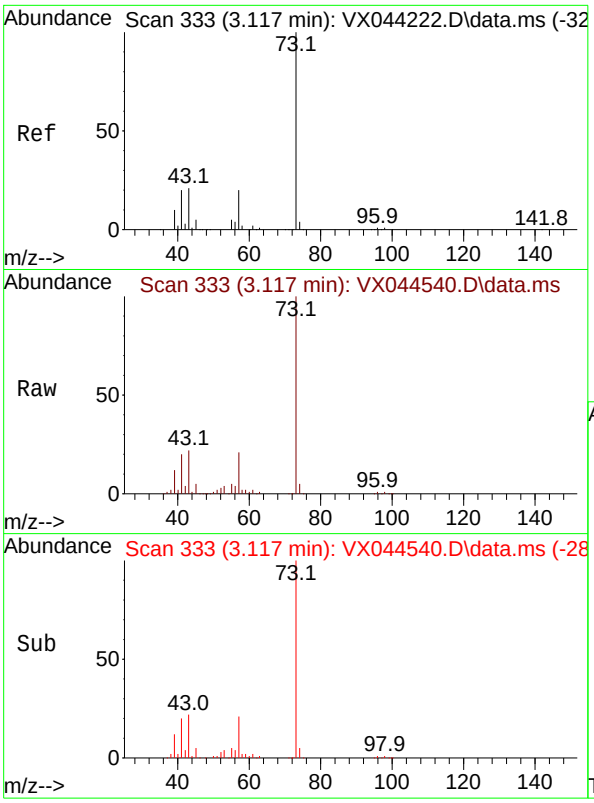


#18
Methyl Acetate
Concen: 46.562 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 43 Resp: 118398

Ion	Ratio	Lower	Upper
43	100		
74	23.7	17.7	26.5



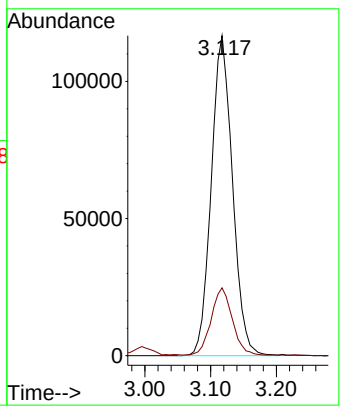


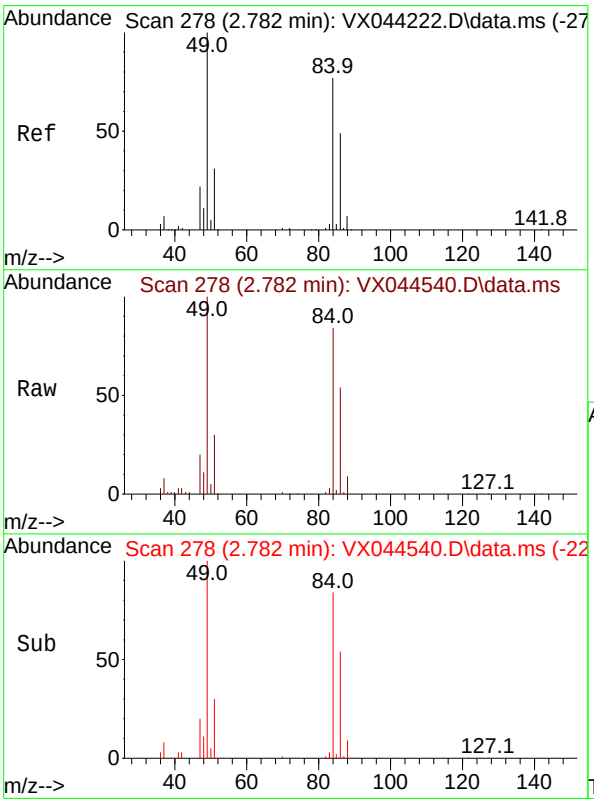
#19
Methyl tert-butyl Ether
Concen: 43.403 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 261931

Ion	Ratio	Lower	Upper
73	100		
57	21.1	16.2	24.4

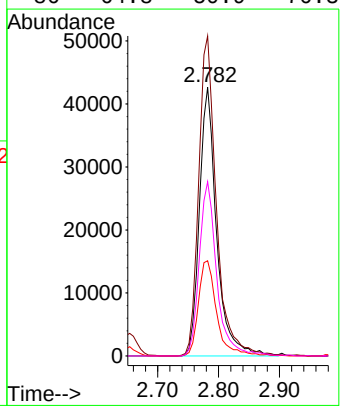


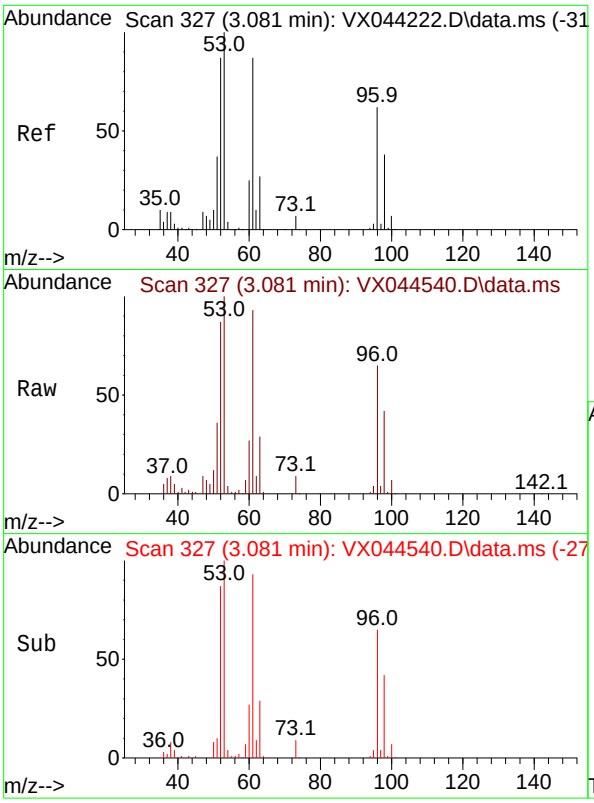


#20
Methylene Chloride
Concen: 45.325 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 84 Resp: 83957

Ion	Ratio	Lower	Upper
84	100		
49	119.1	104.2	156.4
51	35.4	32.2	48.4
86	64.8	50.9	76.3



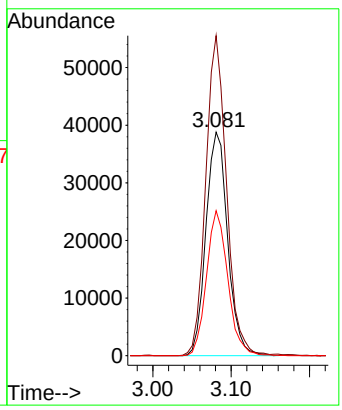


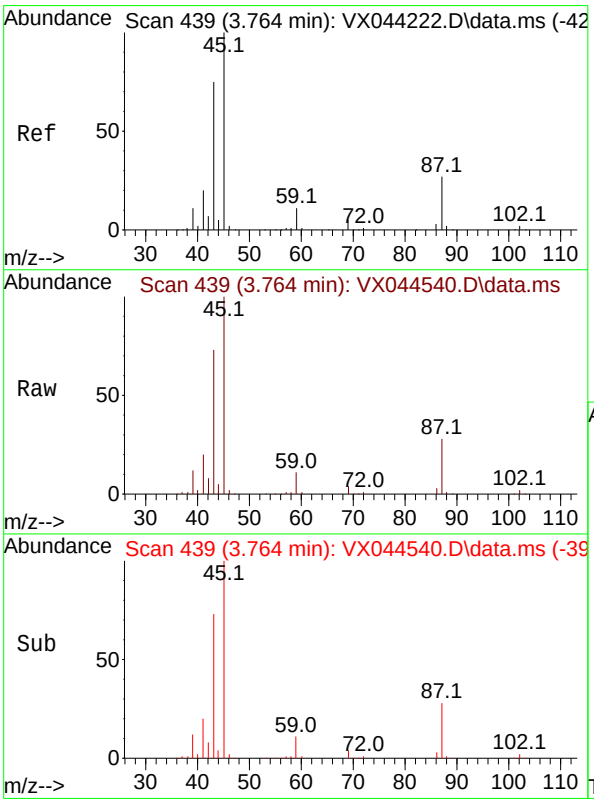
#21
trans-1,2-Dichloroethene
Concen: 45.427 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 74662

Ion	Ratio	Lower	Upper
96	100		
61	143.2	112.0	168.0
98	64.8	48.8	73.2

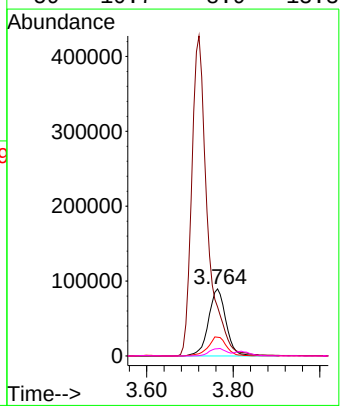


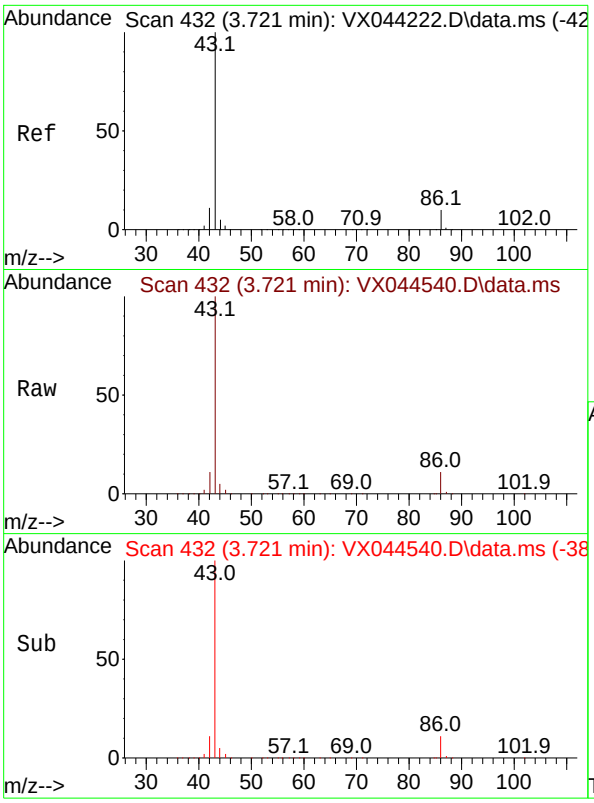


#22
Diisopropyl ether
Concen: 43.324 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 45 Resp: 251297

Ion	Ratio	Lower	Upper
45	100		
43	73.1	60.2	90.2
87	28.0	21.2	31.8
59	10.7	8.9	13.3



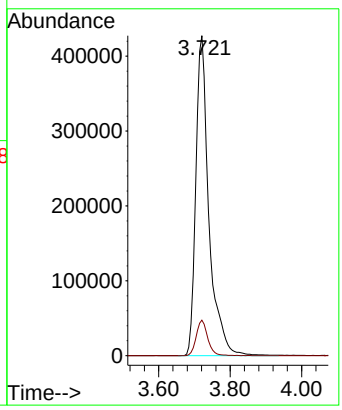


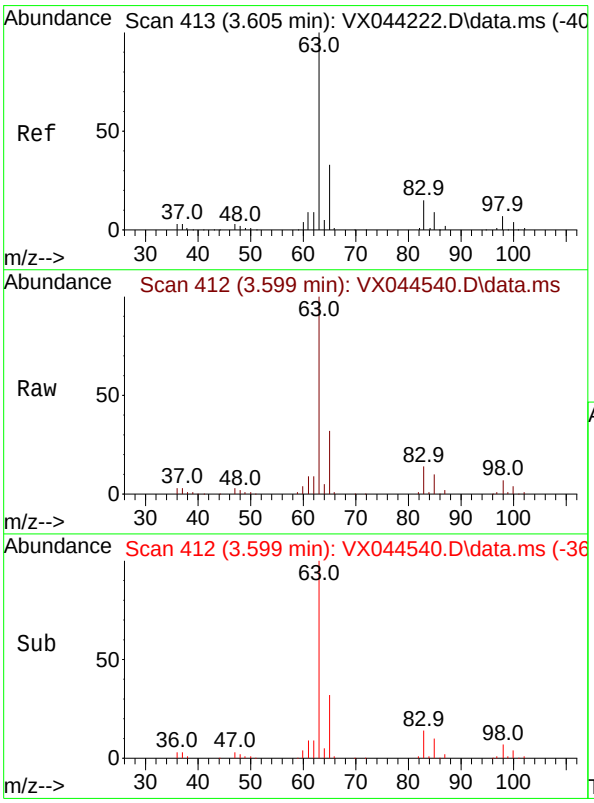
#23
Vinyl Acetate
Concen: 230.231 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1085699

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.2	12.2

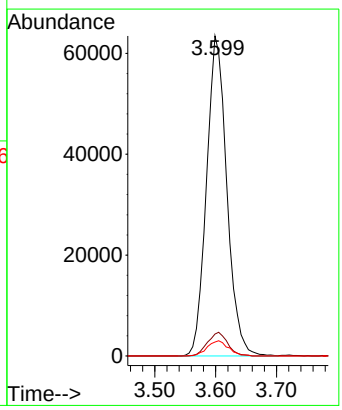


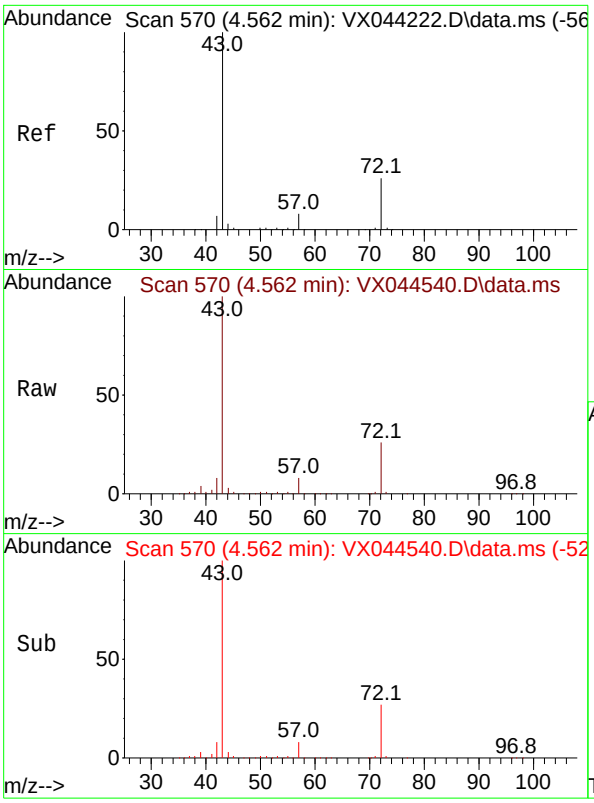


#24
1,1-Dichloroethane
Concen: 45.551 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 63 Resp: 147276

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.6	10.8
100	4.4	2.1	6.3



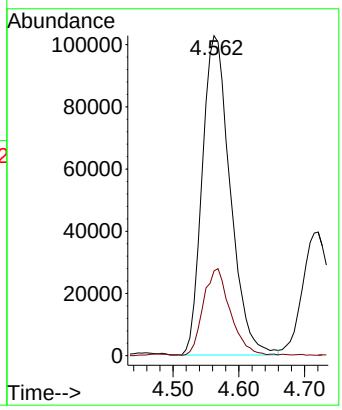


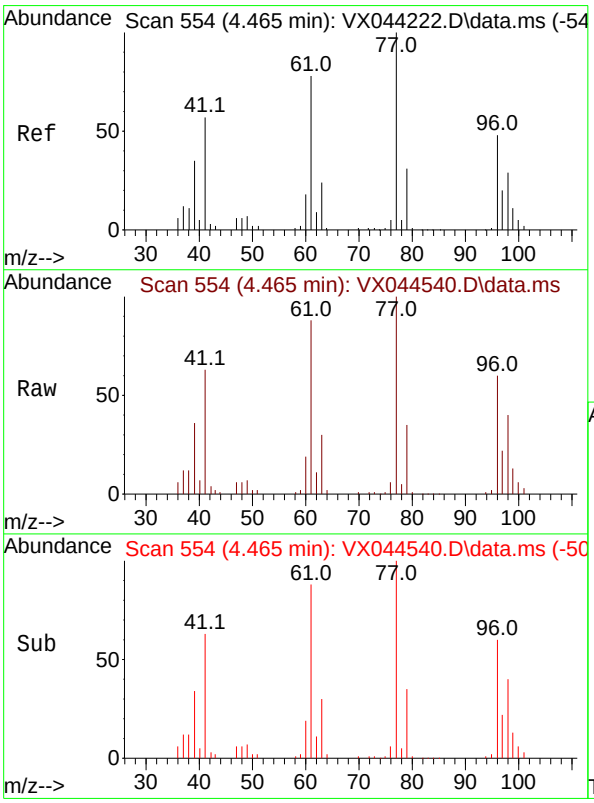
#25
2-Butanone
Concen: 217.020 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 304270

Ion	Ratio	Lower	Upper
43	100		
72	26.3	20.2	30.4

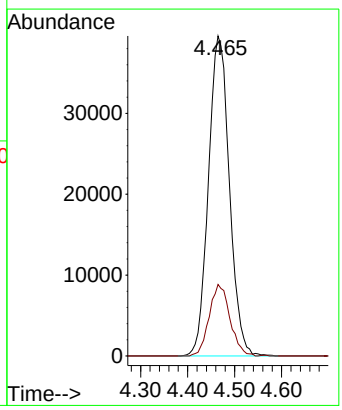


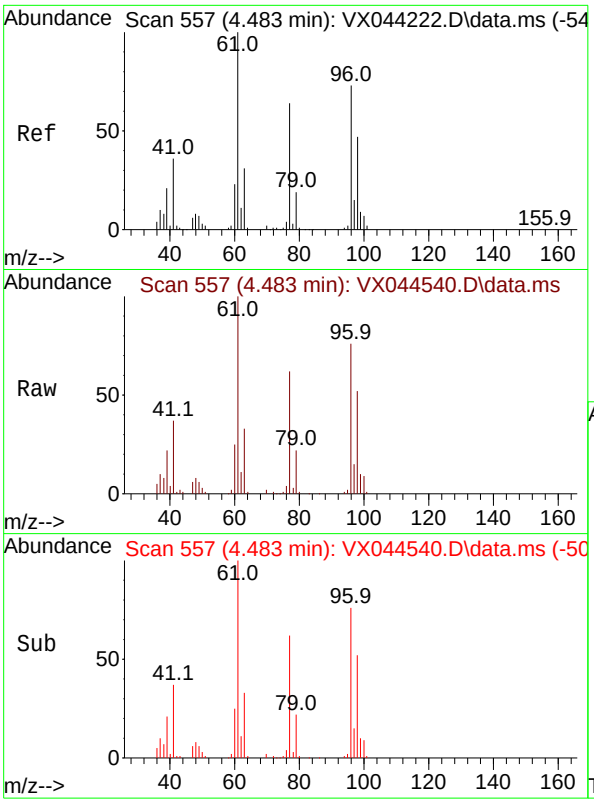


#26
2,2-Dichloropropane
Concen: 46.637 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 77 Resp: 122500

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.7	32.1



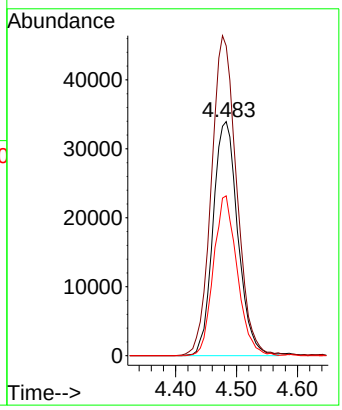


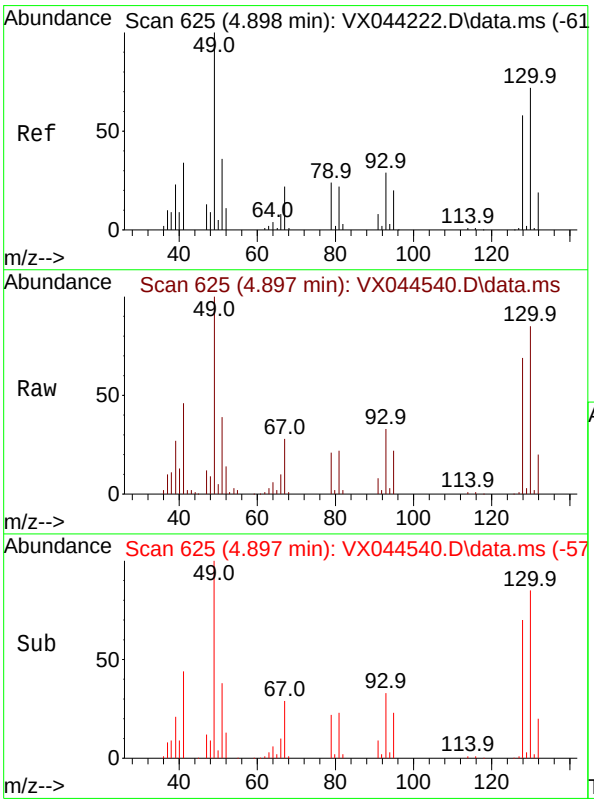
#27
cis-1,2-Dichloroethene
Concen: 46.029 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 96079

Ion	Ratio	Lower	Upper
96	100		
61	139.6	0.0	299.0
98	65.4	0.0	129.0

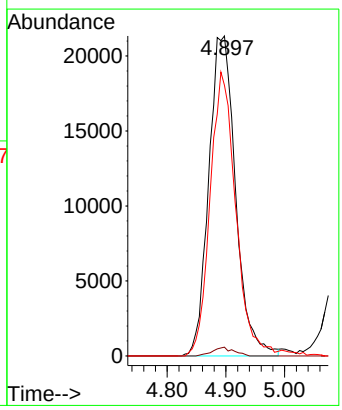


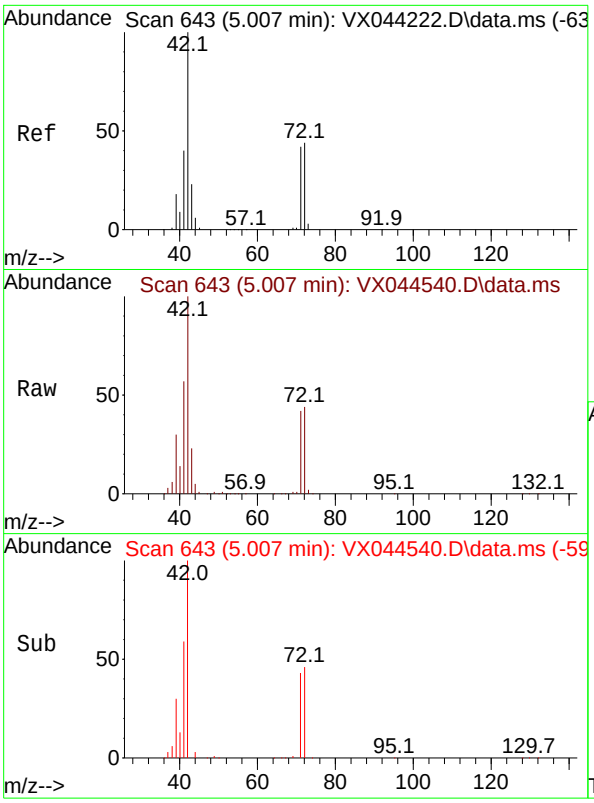


#28
Bromochloromethane
Concen: 42.719 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 49 Resp: 67730

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	84.6	62.1	93.1



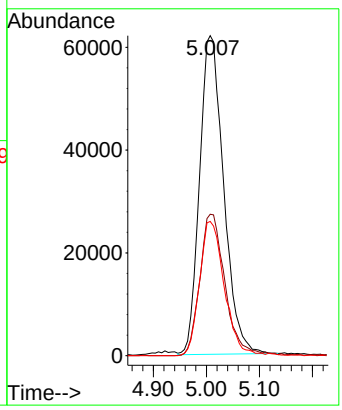


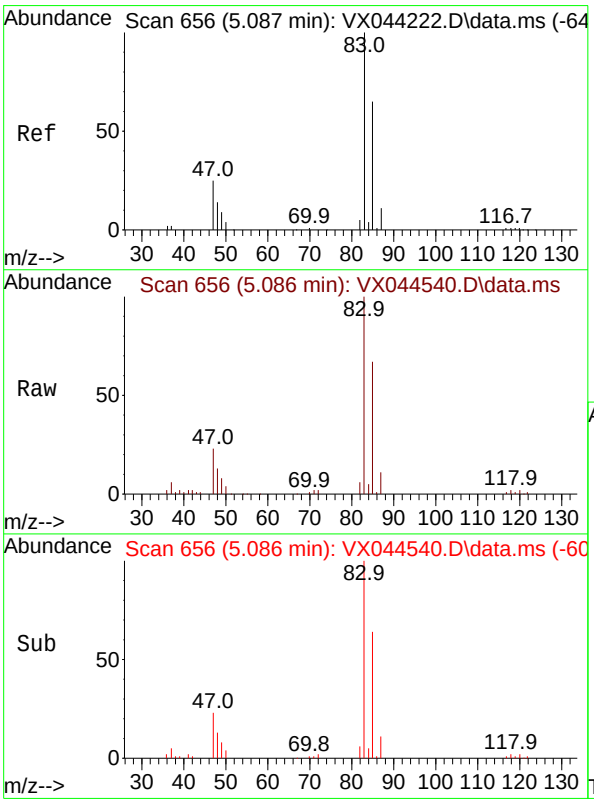
#29
Tetrahydrofuran
Concen: 217.562 ug/l
RT: 5.007 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 195789

Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.0	55.6
71	43.2	33.6	50.4

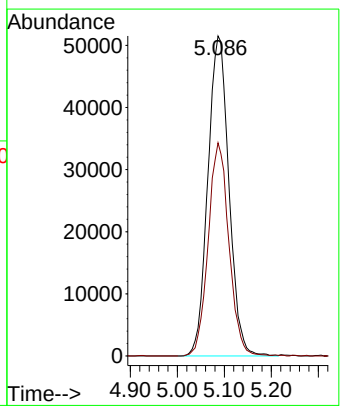


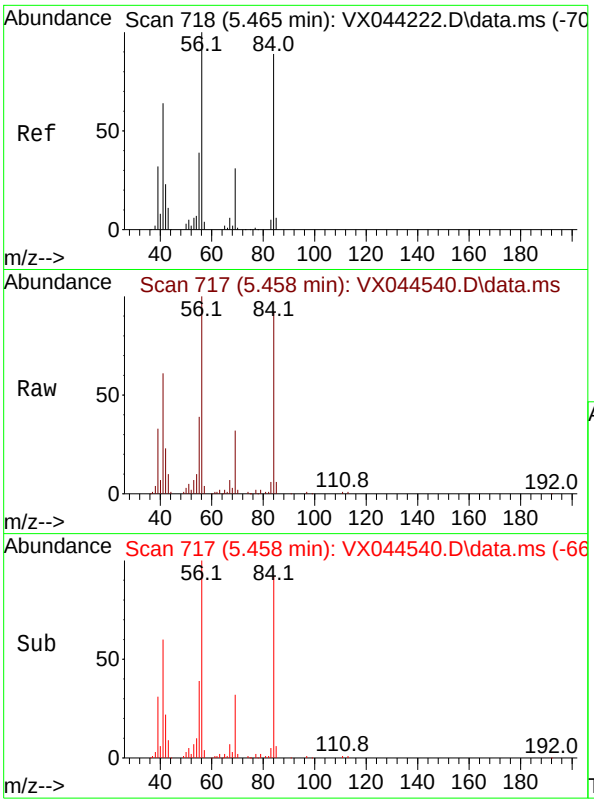


#30
Chloroform
Concen: 44.097 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 83 Resp: 160188

Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.6	77.4



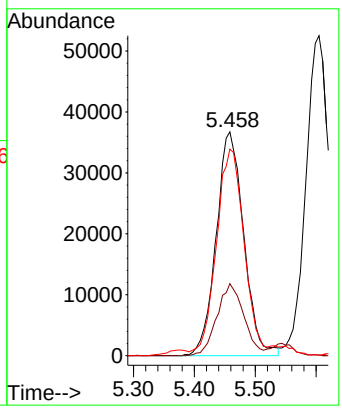


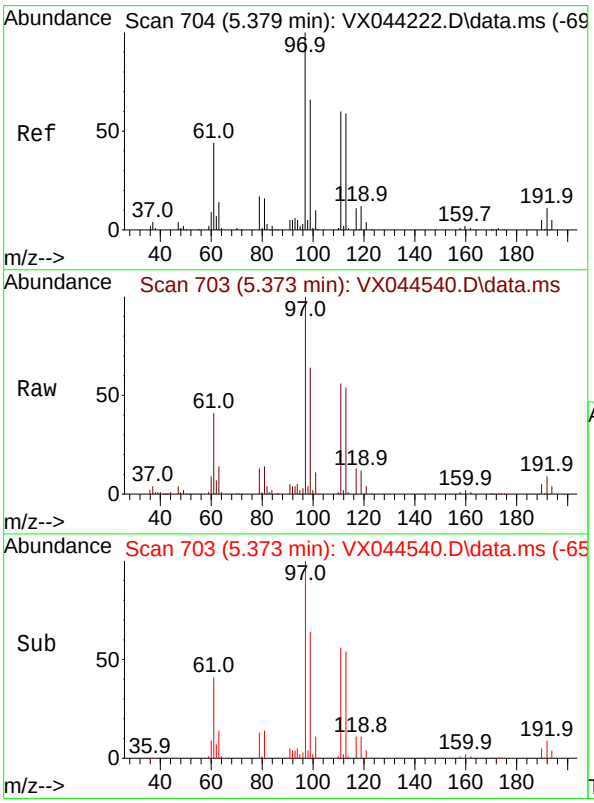
#31
Cyclohexane
Concen: 44.218 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 115447

Ion	Ratio	Lower	Upper
56	100		
69	32.2	24.7	37.1
84	89.8	71.0	106.6

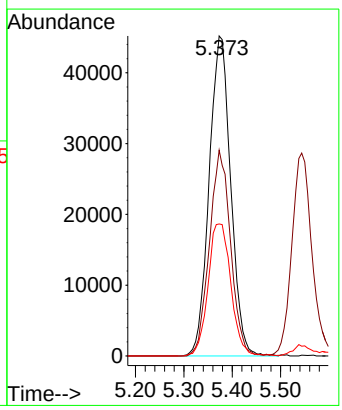


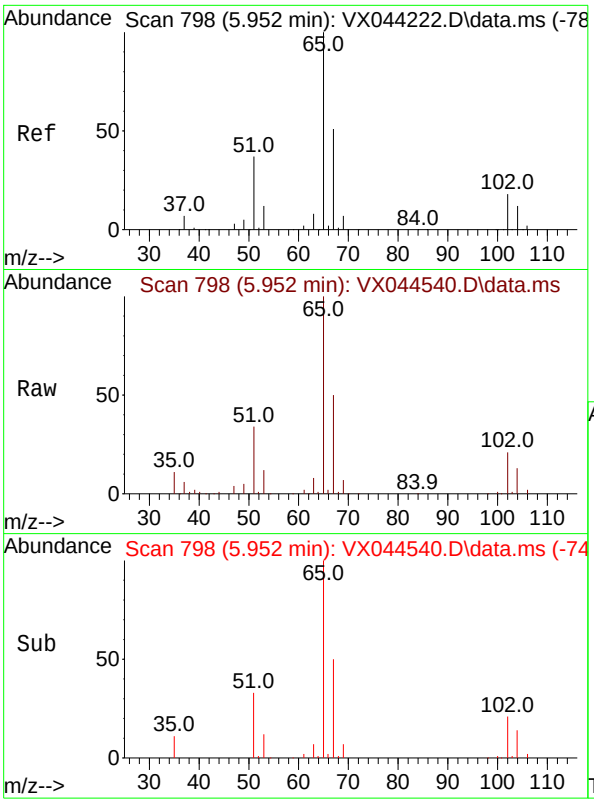


#32
1,1,1-Trichloroethane
Concen: 46.342 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 97 Resp: 139739

Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.8	76.2
61	43.8	35.2	52.8



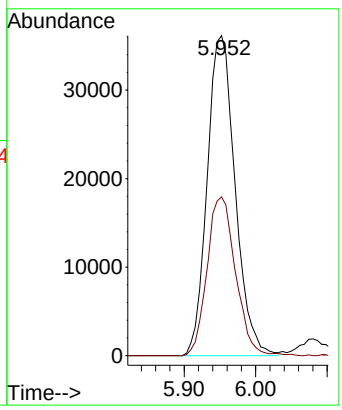


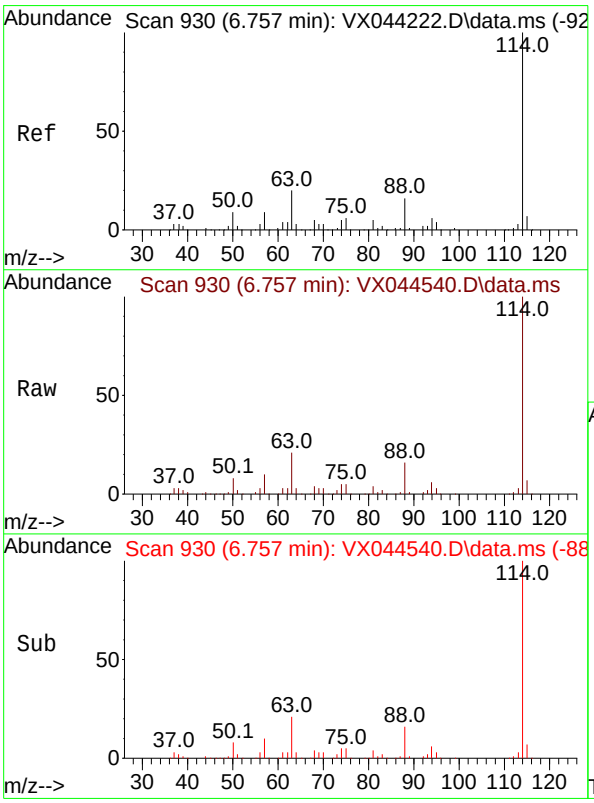
#33
1,2-Dichloroethane-d4
Concen: 40.623 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 98268

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	101.6

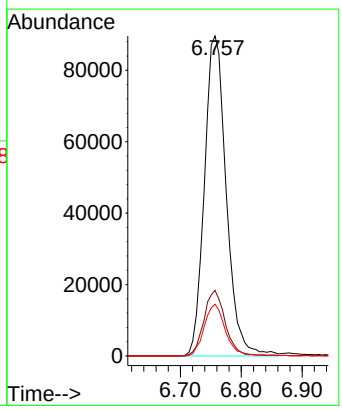


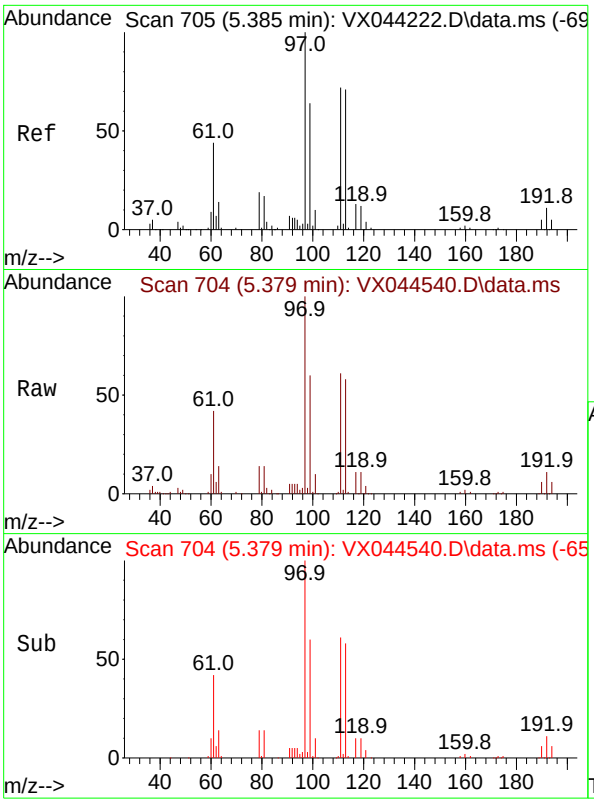


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:114 Resp: 223553

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.6
88	16.1	0.0	31.8



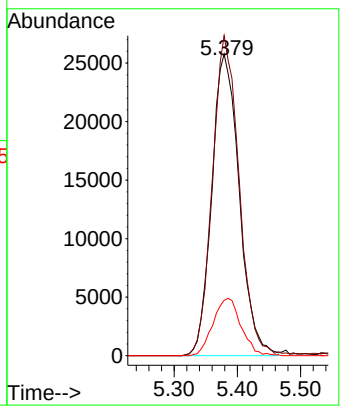


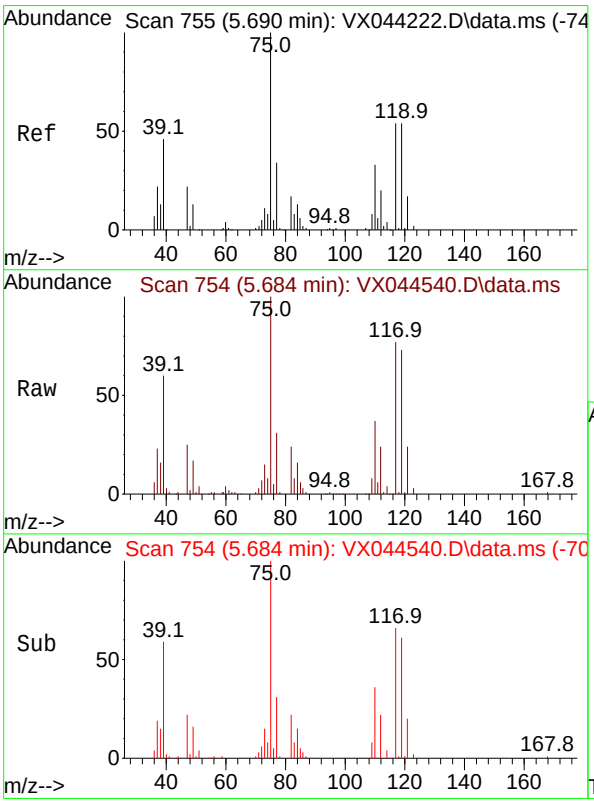
#35
Dibromofluoromethane
Concen: 50.062 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 77511

Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.4	120.6
192	19.4	13.3	19.9

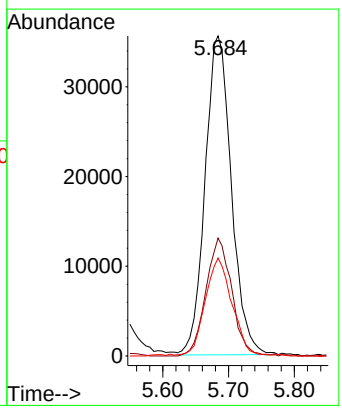


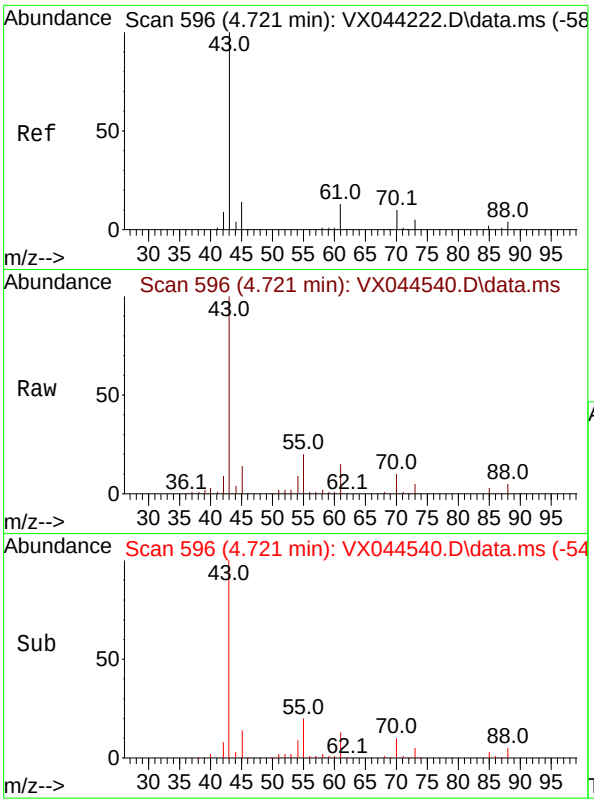


#36
1,1-Dichloropropene
Concen: 49.419 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 75 Resp: 98907

Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.3	51.7
77	31.0	25.4	38.0



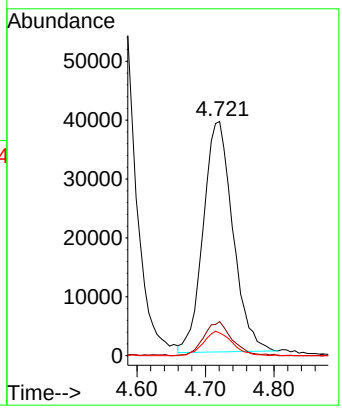


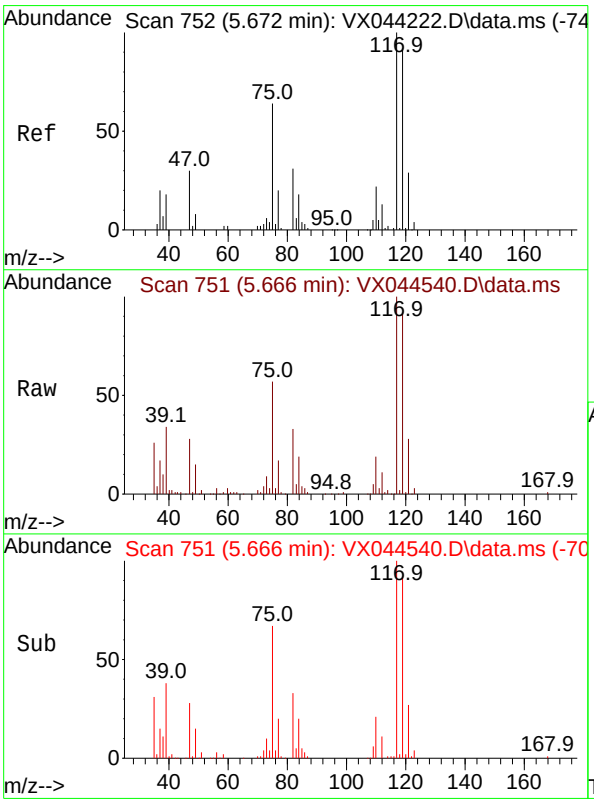
#37
Ethyl Acetate
Concen: 47.524 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 117573

Ion	Ratio	Lower	Upper
43	100		
61	14.1	9.8	14.8
70	10.2	7.7	11.5

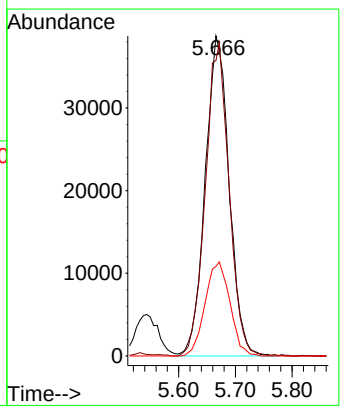


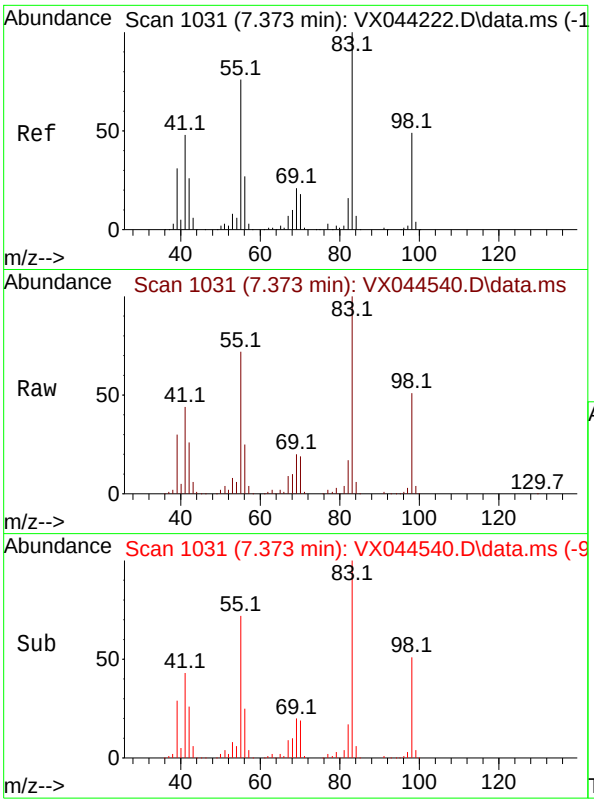


#38
Carbon Tetrachloride
Concen: 52.739 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:117 Resp: 113637

Ion	Ratio	Lower	Upper
117	100		
119	92.3	74.2	111.4
121	28.0	23.0	34.6



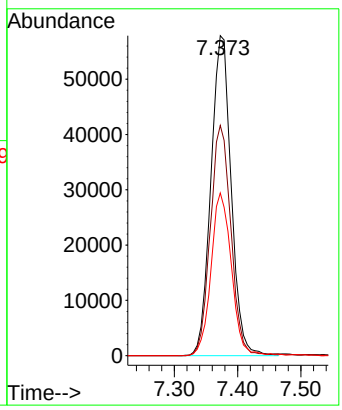


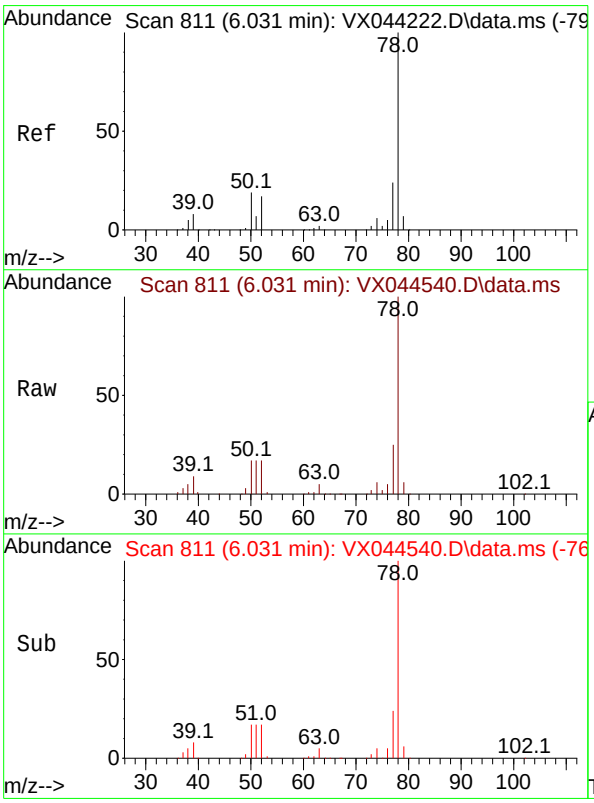
#39
Methylcyclohexane
Concen: 53.905 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 128975

Ion	Ratio	Lower	Upper
83	100		
55	71.9	60.7	91.1
98	50.9	38.9	58.3

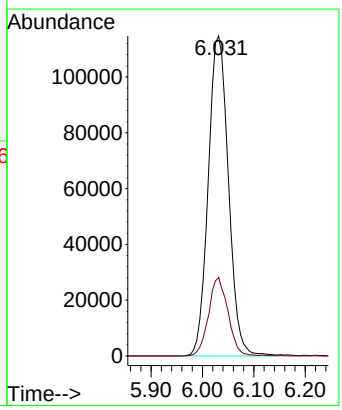


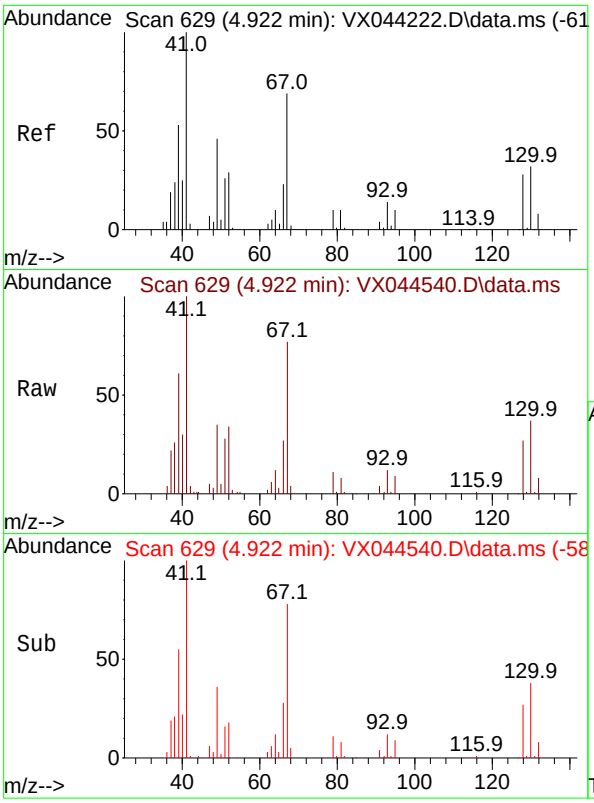


#40
Benzene
Concen: 51.597 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 78 Resp: 313533

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.3	28.9



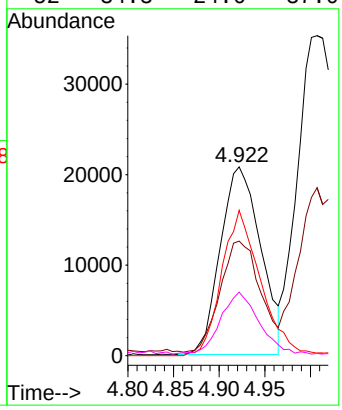


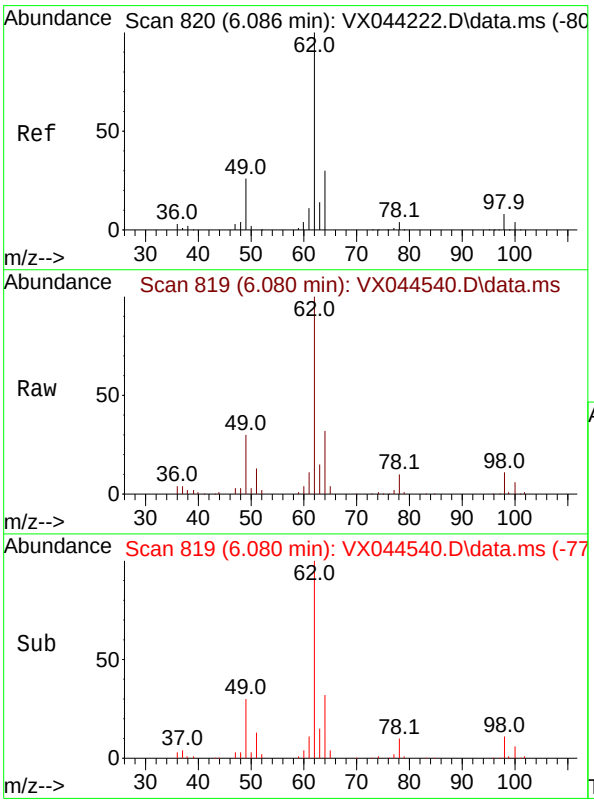
#41
Methacrylonitrile
Concen: 48.575 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 63812

Ion	Ratio	Lower	Upper
41	100		
39	58.7	44.2	66.4
67	74.5	57.2	85.8
52	34.3	24.6	37.0

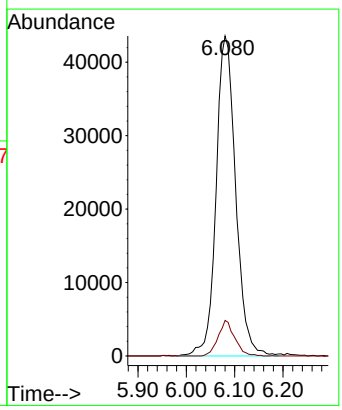


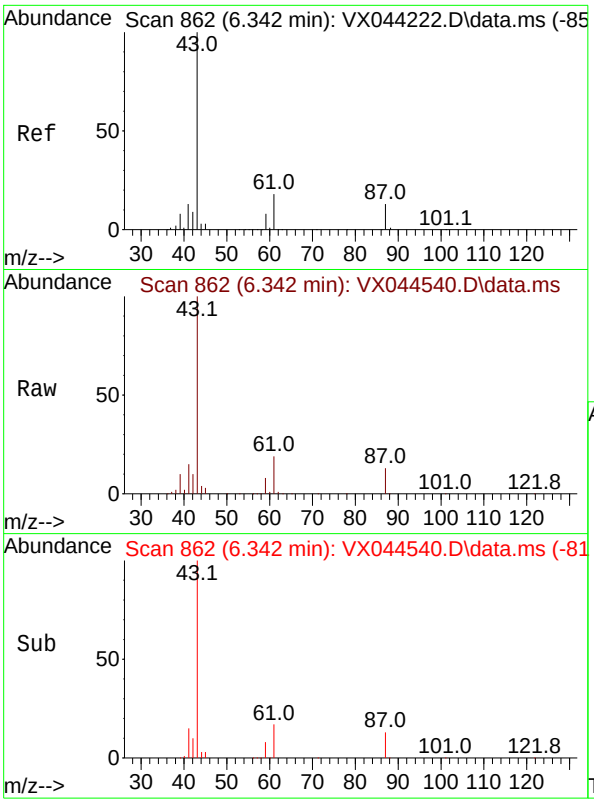


#42
1,2-Dichloroethane
Concen: 48.922 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 62 Resp: 122458

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	15.8



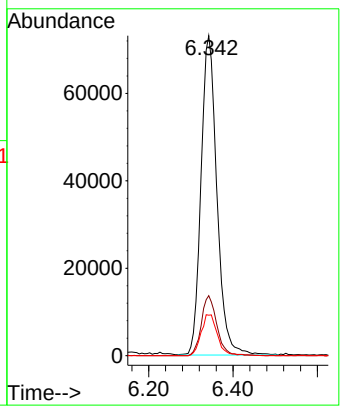


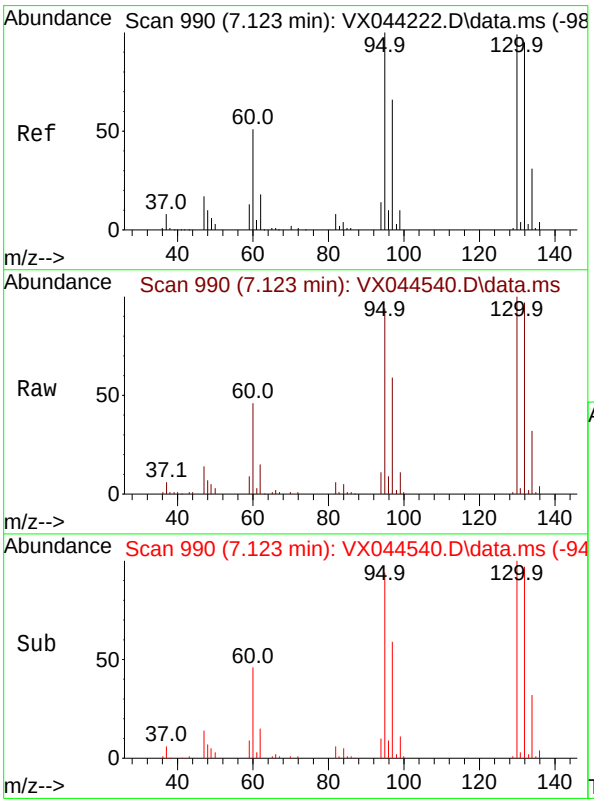
#43
Isopropyl Acetate
Concen: 49.578 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 191709

Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.2	21.2
87	13.3	10.2	15.2

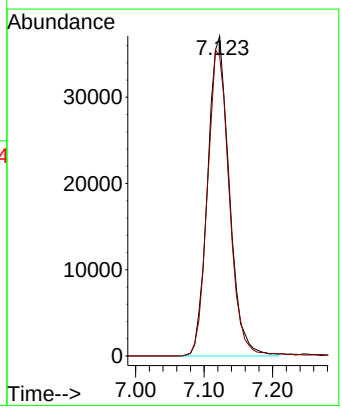


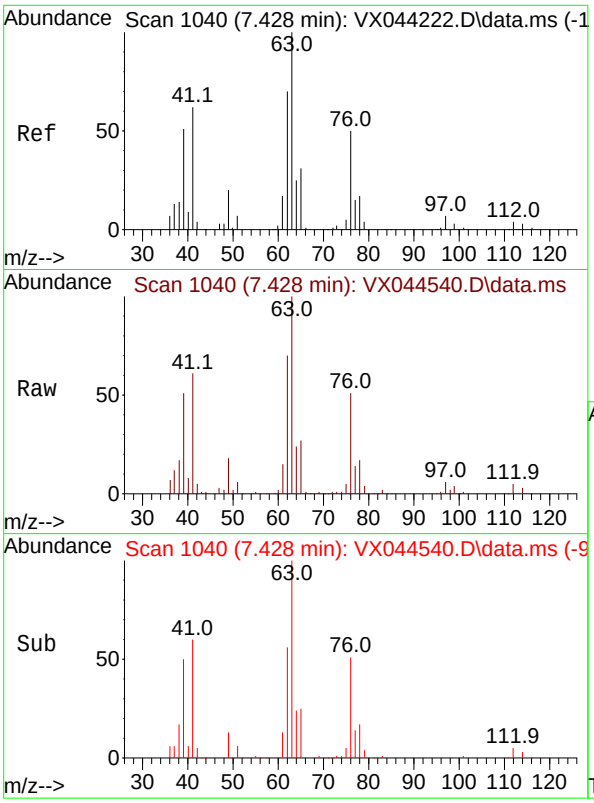


#44
Trichloroethene
Concen: 53.888 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:130 Resp: 81658

Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	201.4



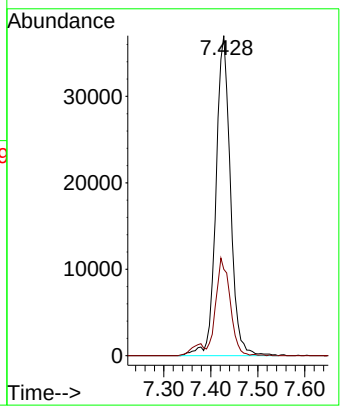


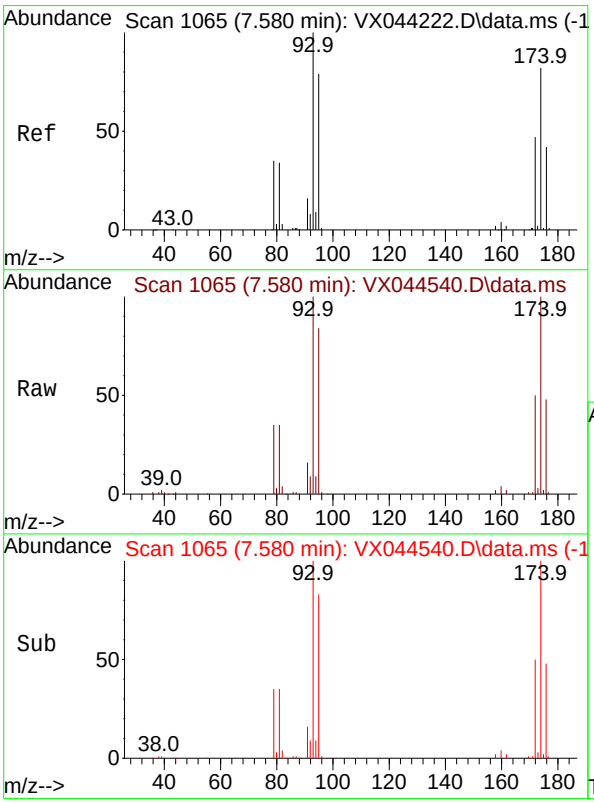
#45
1,2-Dichloropropane
Concen: 51.047 ug/l
RT: 7.428 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 79249

Ion	Ratio	Lower	Upper
63	100		
65	27.0	24.6	37.0

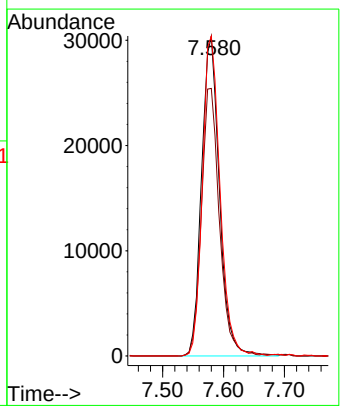


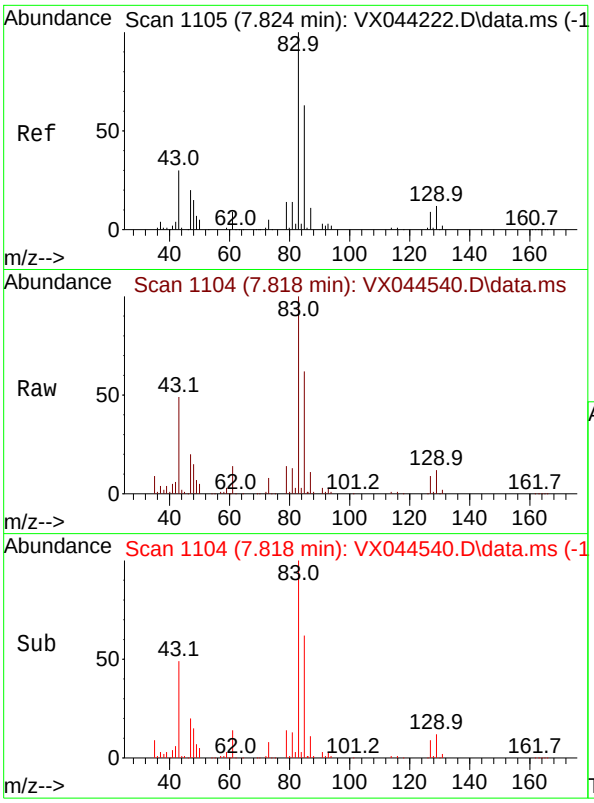


#46
Dibromomethane
Concen: 51.298 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 93 Resp: 61783

Ion	Ratio	Lower	Upper
93	100		
95	84.2	65.4	98.2
174	99.2	67.9	101.9



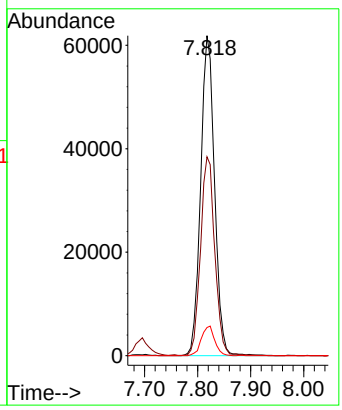


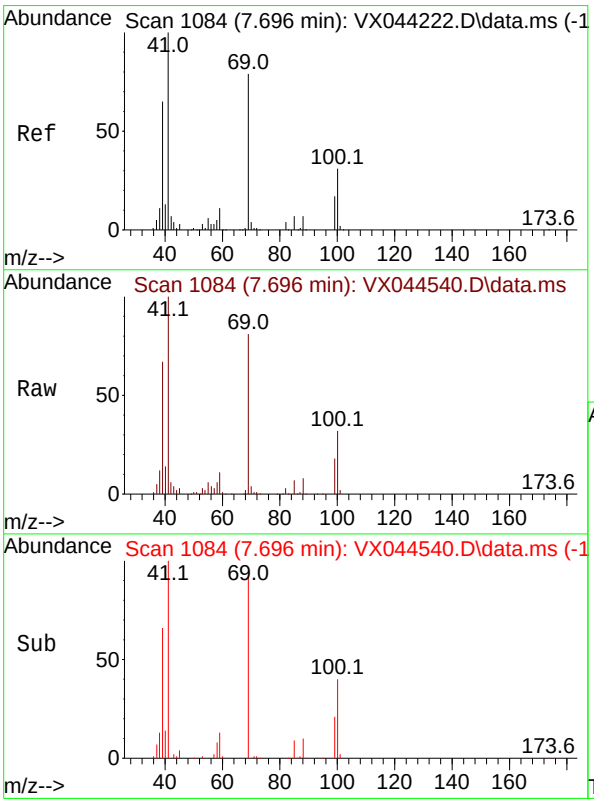
#47
Bromodichloromethane
Concen: 54.155 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 112645

Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.6	75.8
127	8.8	7.3	10.9

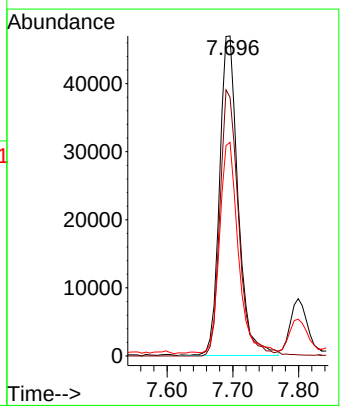


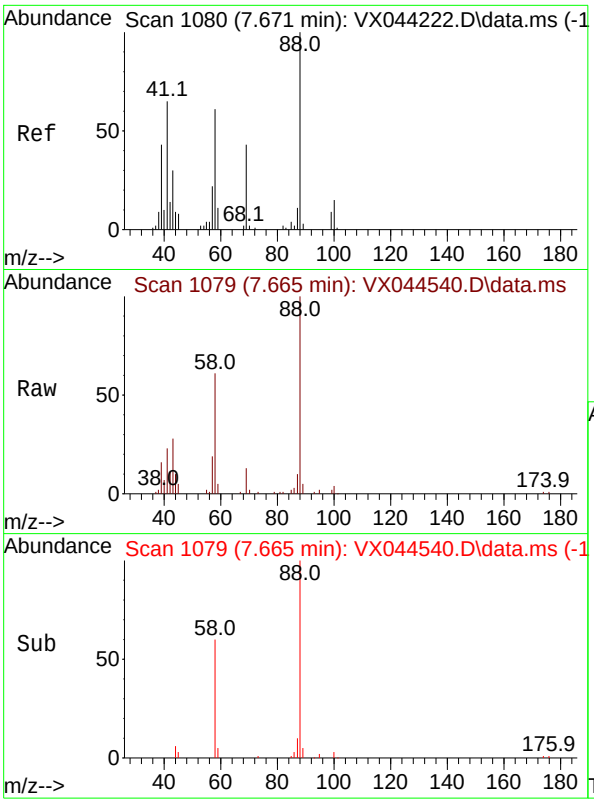


#48
Methyl methacrylate
Concen: 48.959 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 41 Resp: 91897

Ion	Ratio	Lower	Upper
41	100		
69	84.1	62.4	93.6
39	65.8	53.3	79.9



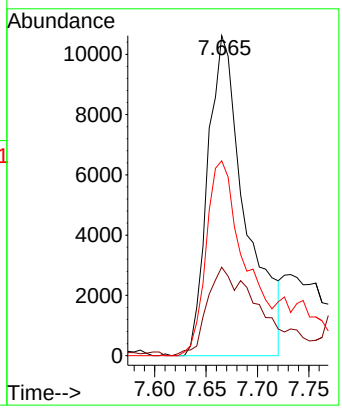


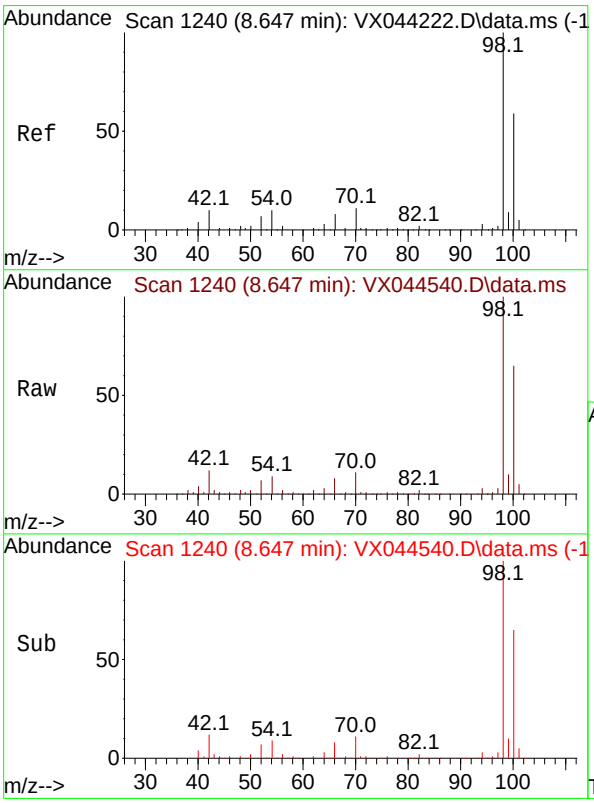
#49
1,4-Dioxane
Concen: 867.976 ug/l
RT: 7.665 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 27012

Ion	Ratio	Lower	Upper
88	100		
43	40.0	27.1	40.7
58	62.9	41.0	61.4#

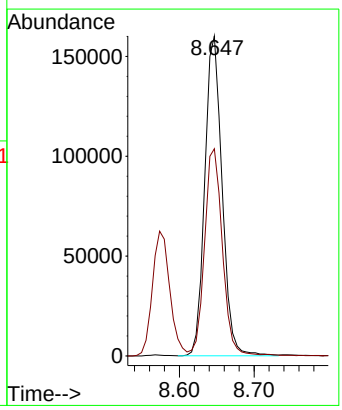


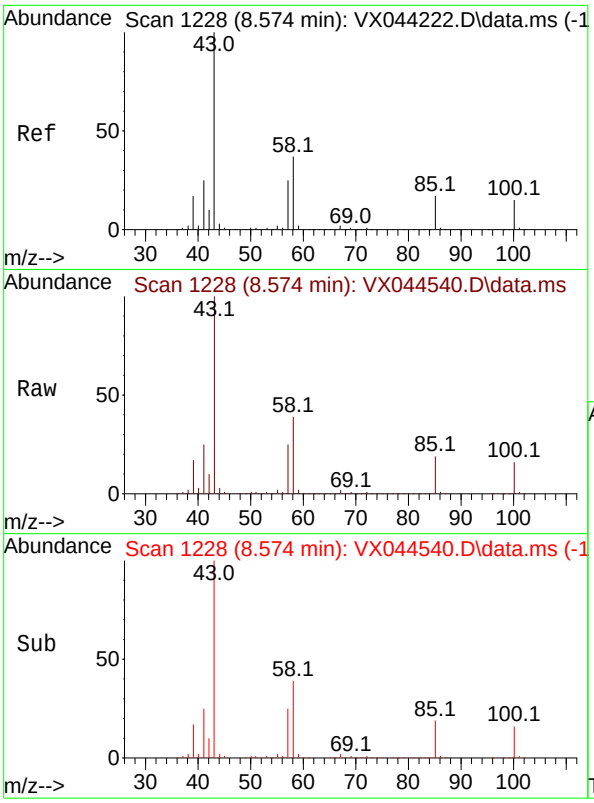


#50
Toluene-d8
Concen: 49.293 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 98 Resp: 257484

Ion	Ratio	Lower	Upper
98	100		
100	66.7	51.5	77.3



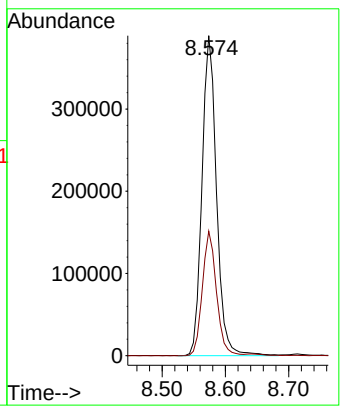


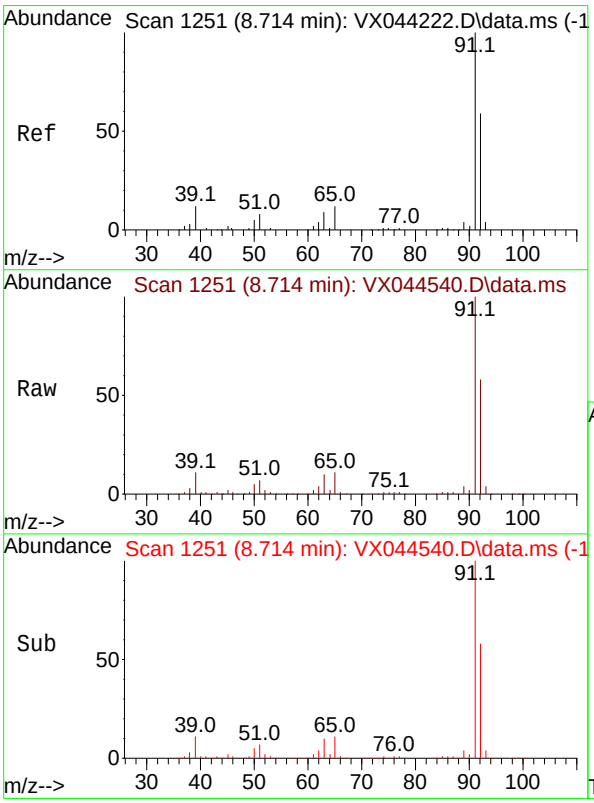
#51
4-Methyl-2-Pentanone
Concen: 250.388 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 622530

Ion	Ratio	Lower	Upper
43	100		
58	37.7	29.4	44.0

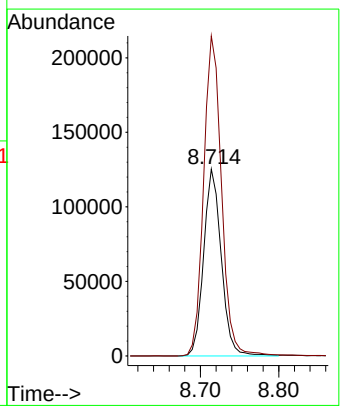


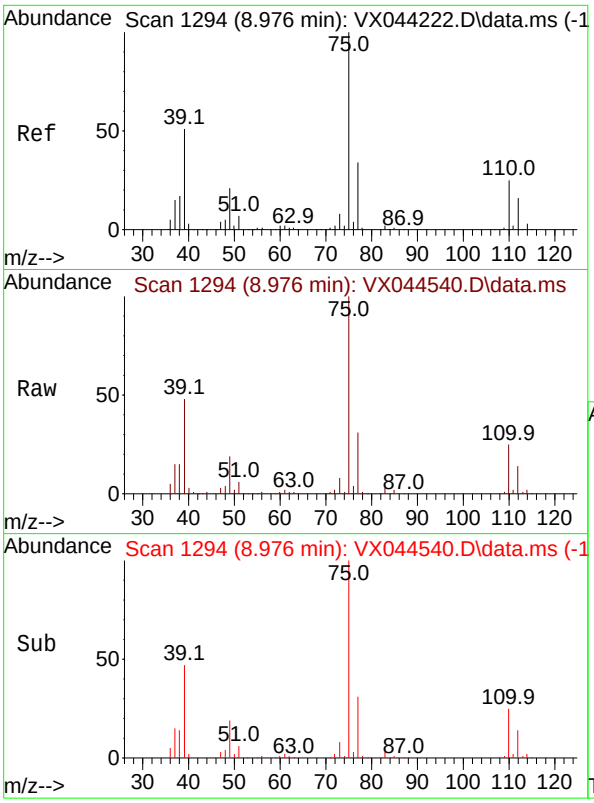


#52
Toluene
Concen: 51.274 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 92 Resp: 195660

Ion	Ratio	Lower	Upper
92	100		
91	174.4	137.0	205.6



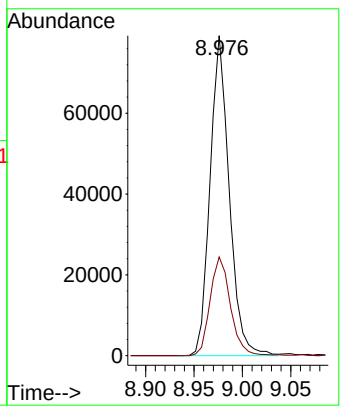


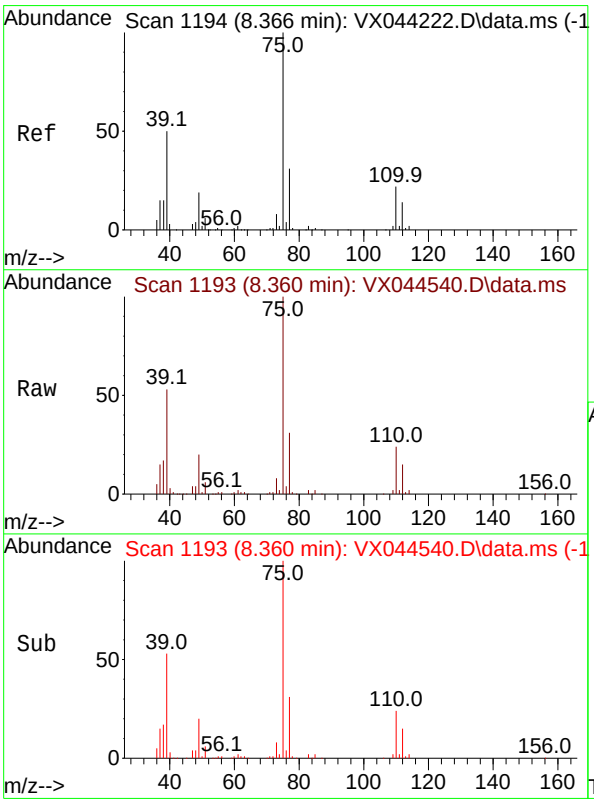
#53
t-1,3-Dichloropropene
Concen: 48.988 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 109219

Ion	Ratio	Lower	Upper
75	100		
77	30.8	27.2	40.8

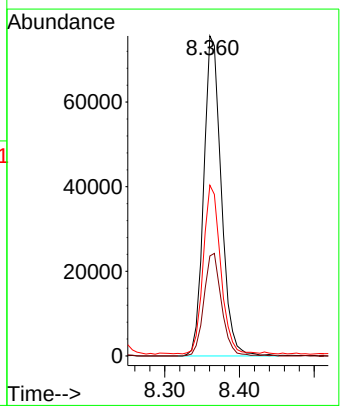


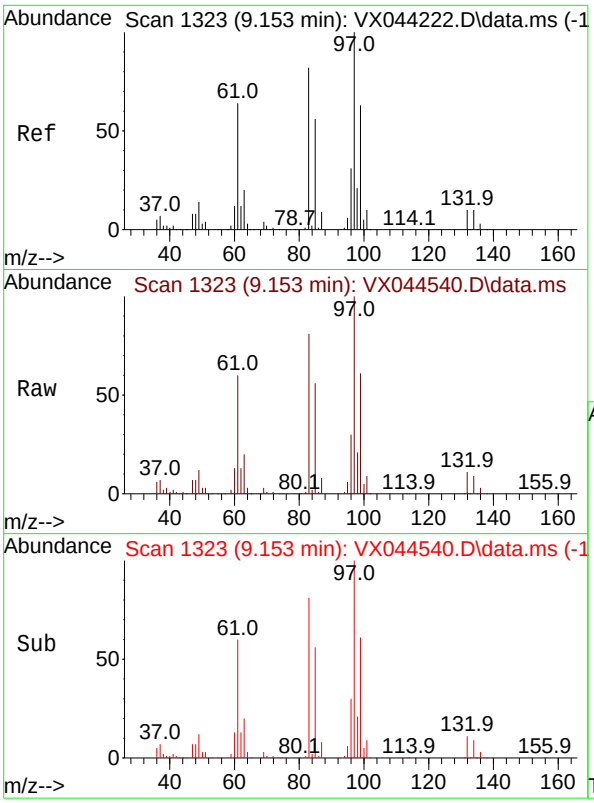


#54
cis-1,3-Dichloropropene
Concen: 54.223 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 75 Resp: 122807

Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.7	37.1
39	52.7	40.3	60.5



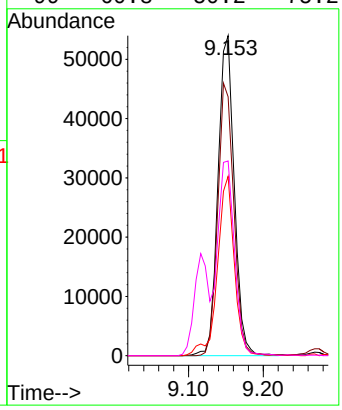


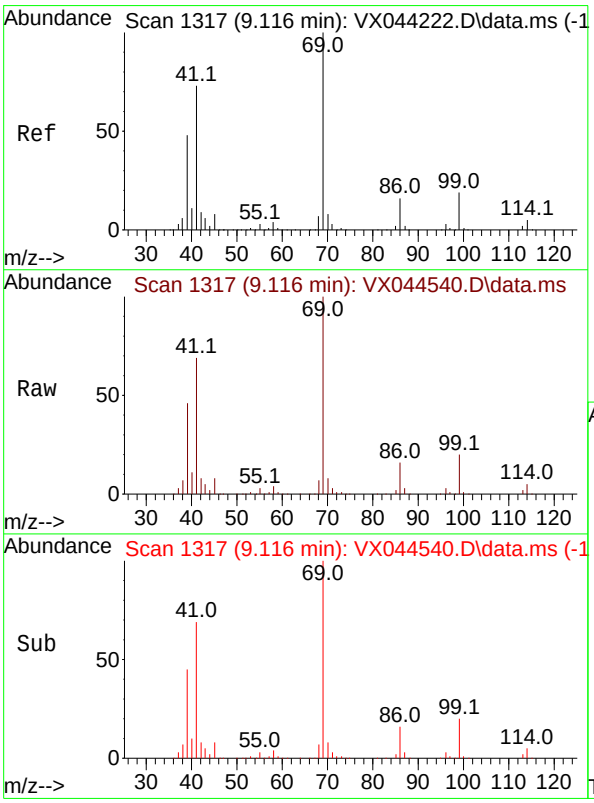
#55
1,1,2-Trichloroethane
Concen: 53.821 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 81590

Ion	Ratio	Lower	Upper
97	100		
83	80.9	65.3	97.9
85	56.1	44.6	67.0
99	60.8	50.2	75.2

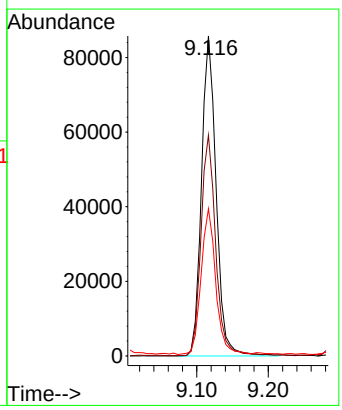


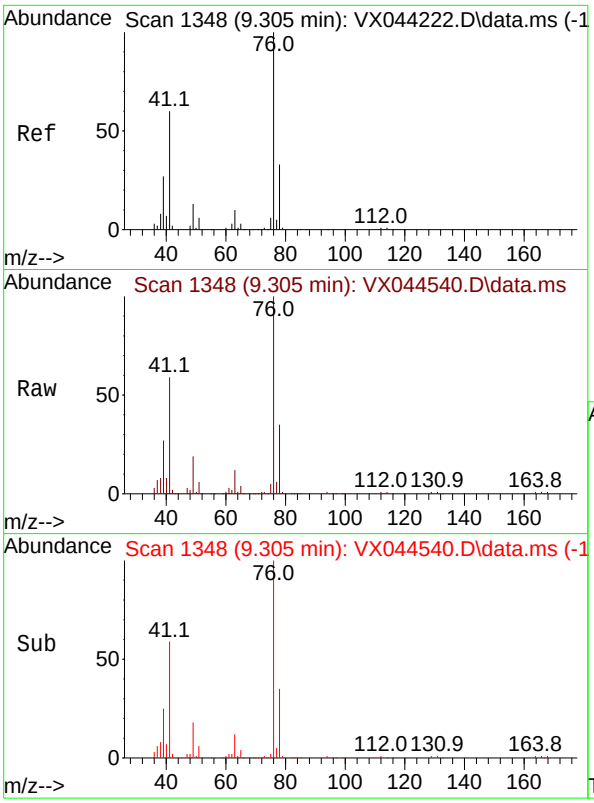


#56
Ethyl methacrylate
Concen: 51.019 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 69 Resp: 122100

Ion	Ratio	Lower	Upper
69	100		
41	69.4	56.6	85.0
39	45.4	37.4	56.0



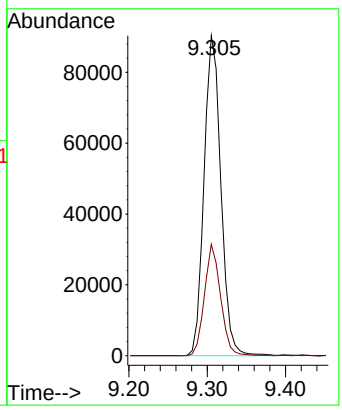


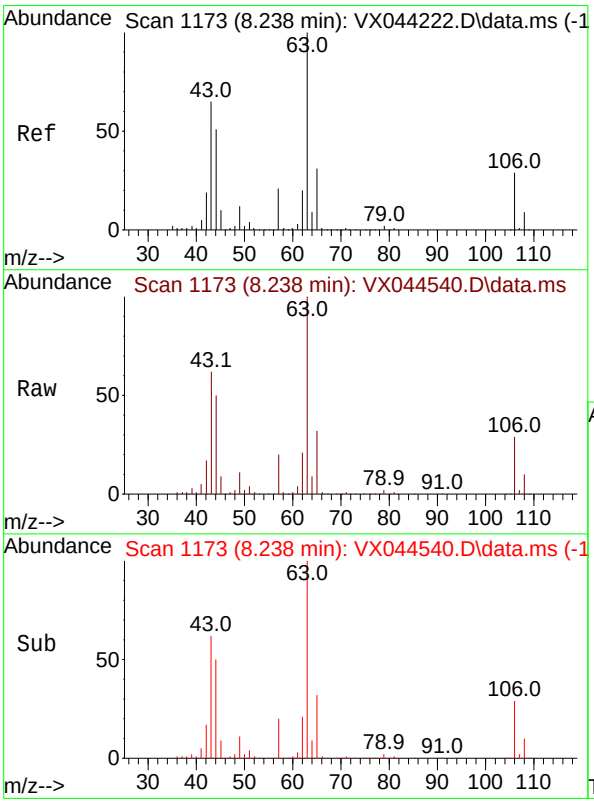
#57
1,3-Dichloropropane
Concen: 51.116 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 134878

Ion	Ratio	Lower	Upper
76	100		
78	33.3	26.5	39.7

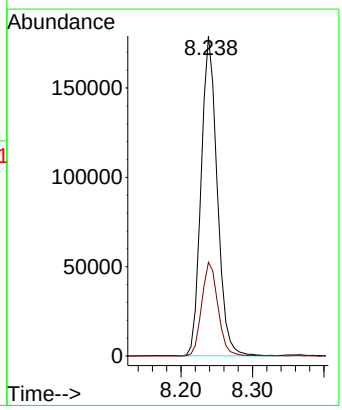


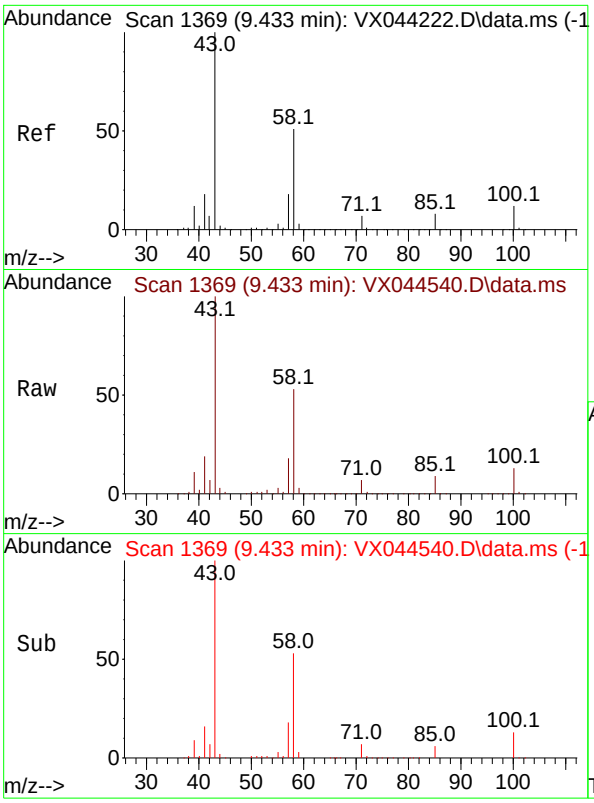


#58
2-Chloroethyl Vinyl ether
Concen: 231.727 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 63 Resp: 279710

Ion	Ratio	Lower	Upper
63	100		
106	29.6	22.8	34.2



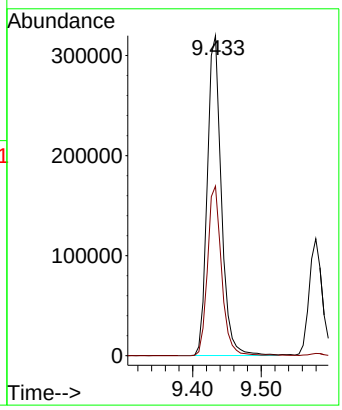


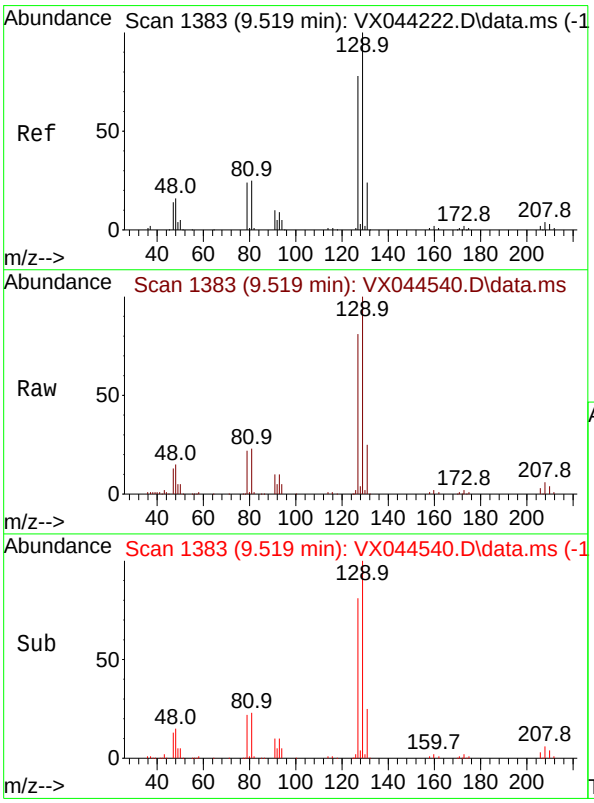
#59
2-Hexanone
Concen: 253.490 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 456184

Ion	Ratio	Lower	Upper
43	100		
58	53.2	25.7	77.0

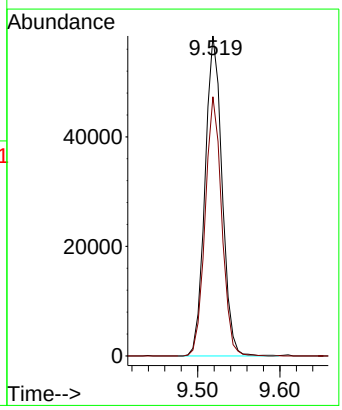


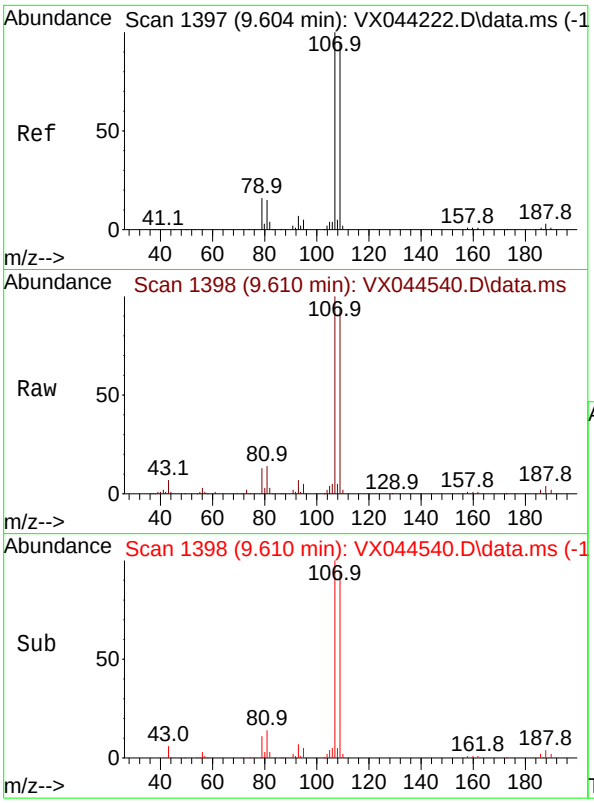


#60
Dibromochloromethane
Concen: 52.230 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:129 Resp: 84109

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.5	115.3



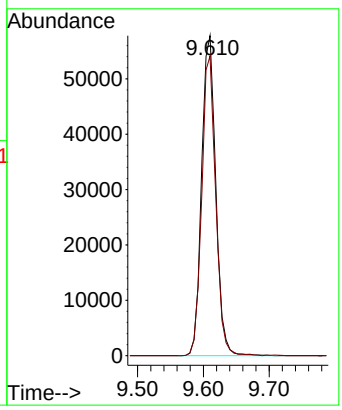


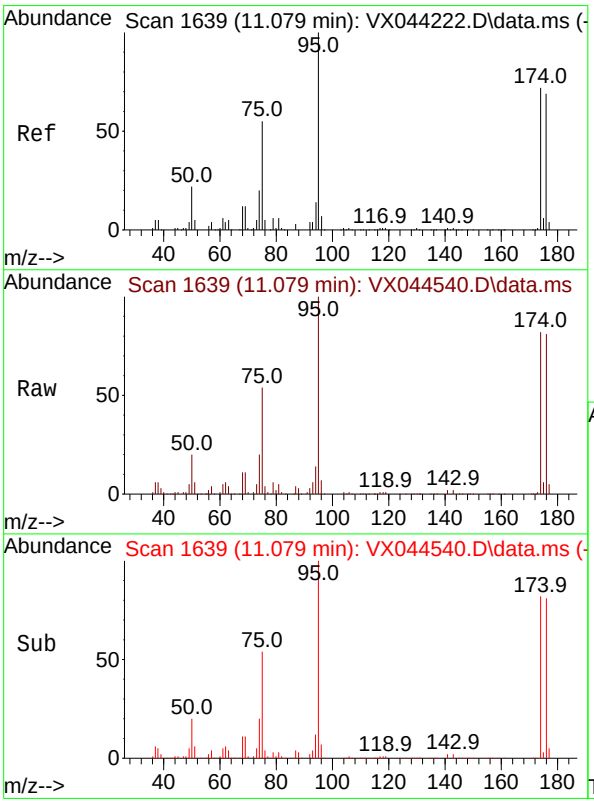
#61
1,2-Dibromoethane
Concen: 56.057 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 86500

Ion	Ratio	Lower	Upper
107	100		
109	92.3	77.0	115.4

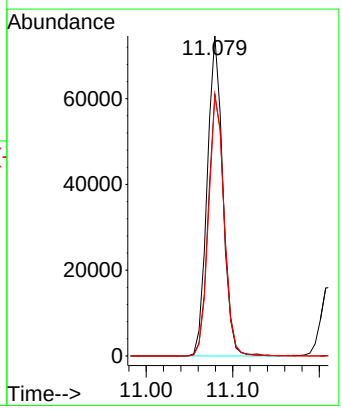


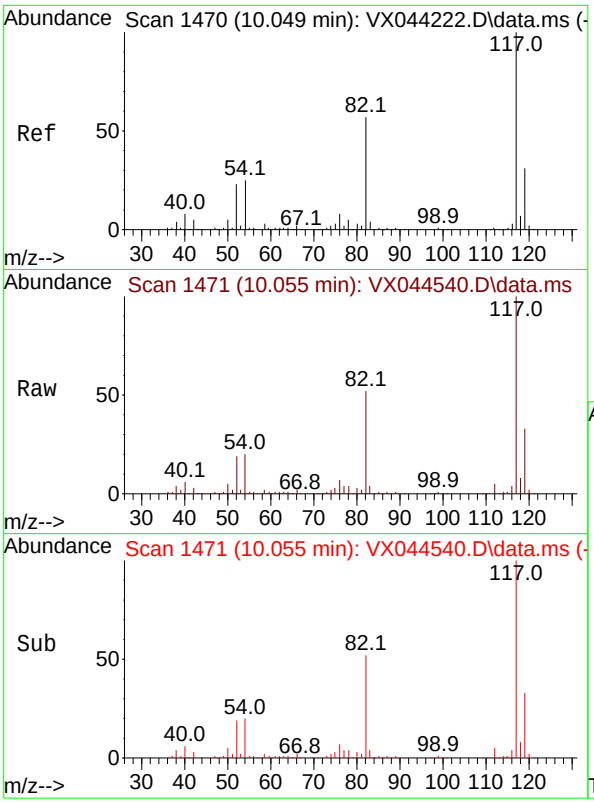


#62
4-Bromofluorobenzene
Concen: 50.906 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 95 Resp: 92916

Ion	Ratio	Lower	Upper
95	100		
174	83.8	0.0	145.8
176	81.1	0.0	137.8



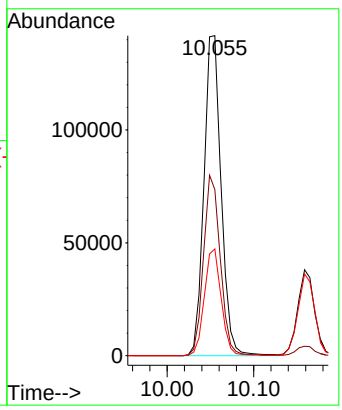


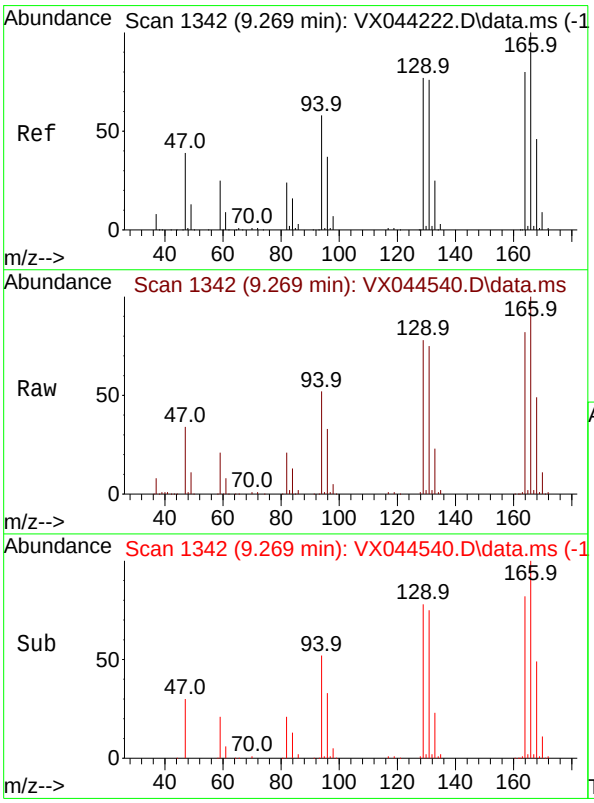
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 195826

Ion	Ratio	Lower	Upper
117	100		
82	51.9	45.8	68.8
119	33.4	25.0	37.4

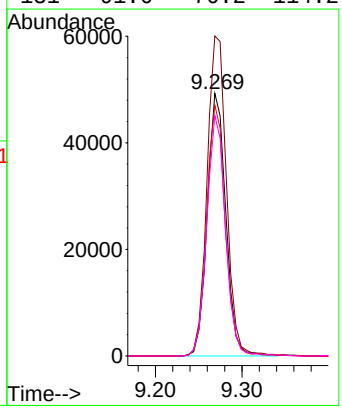


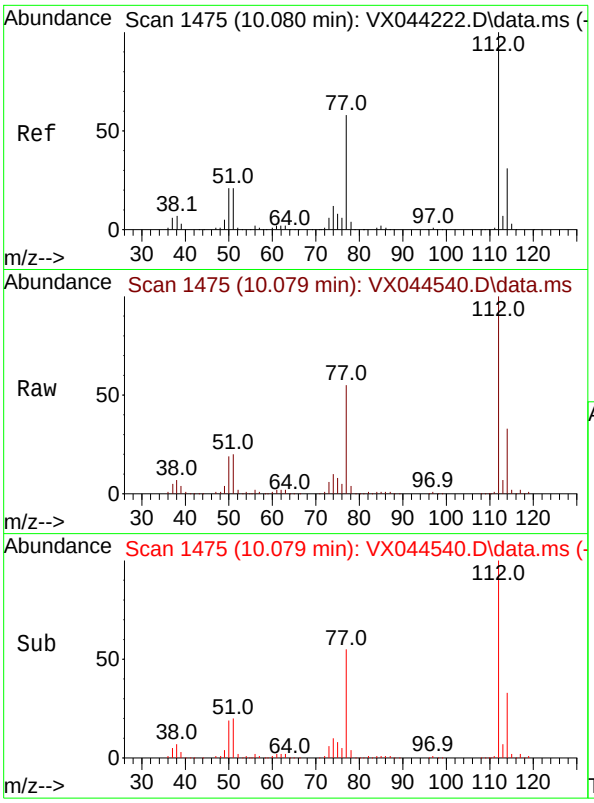


#64
Tetrachloroethene
Concen: 56.524 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:164 Resp: 73466

Ion	Ratio	Lower	Upper
164	100		
166	121.9	100.4	150.6
129	95.5	77.2	115.8
131	91.6	76.2	114.2



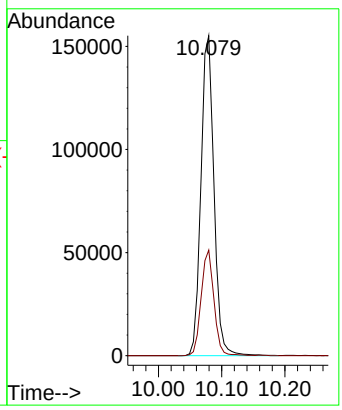


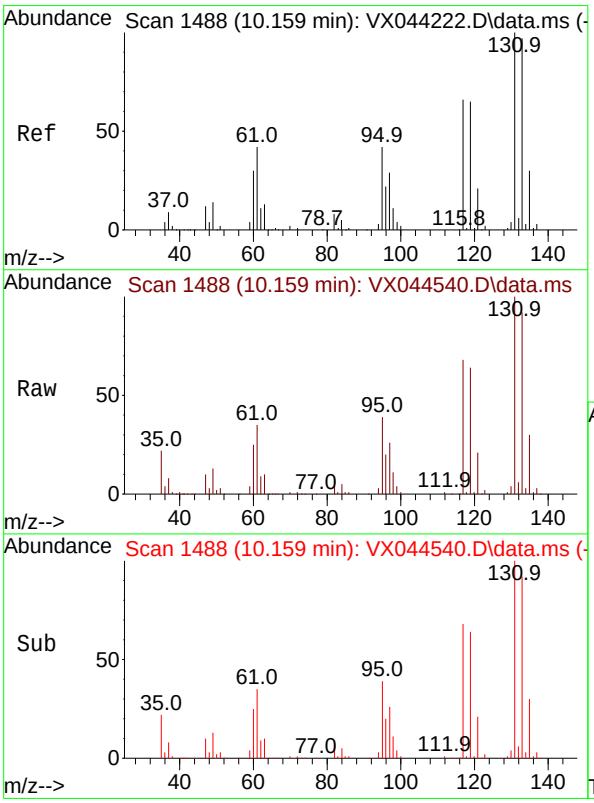
#65
Chlorobenzene
Concen: 53.076 ug/l
RT: 10.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 222713

Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.0	37.6

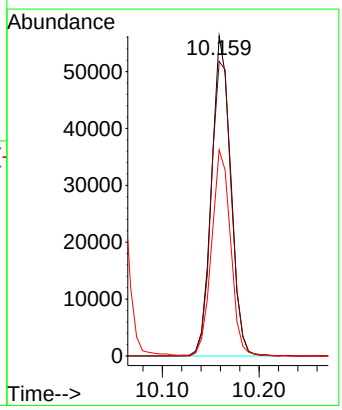


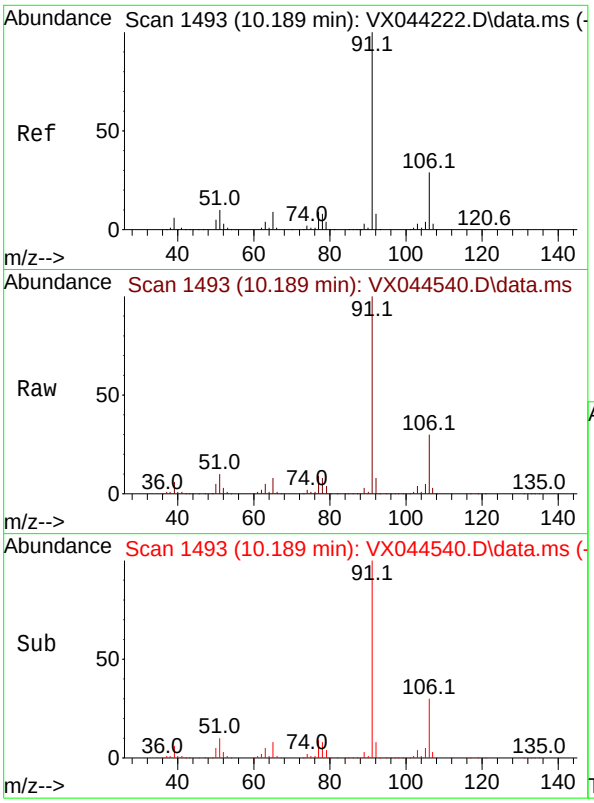


#66
1,1,1,2-Tetrachloroethane
Concen: 57.314 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:131 Resp: 77293

Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.3	141.8
119	63.8	31.6	95.0



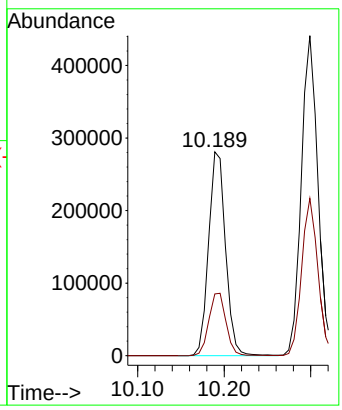


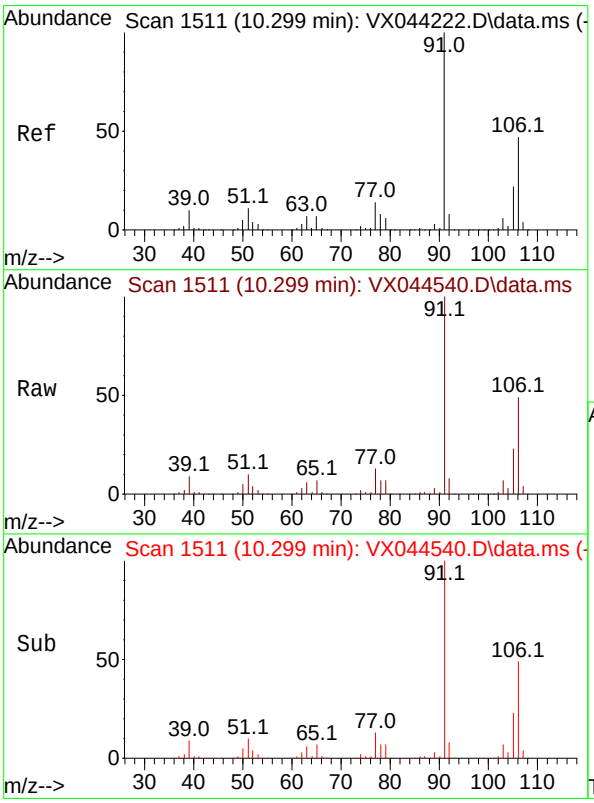
#67
Ethyl Benzene
Concen: 52.655 ug/l
RT: 10.189 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 381762

Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.5	35.3

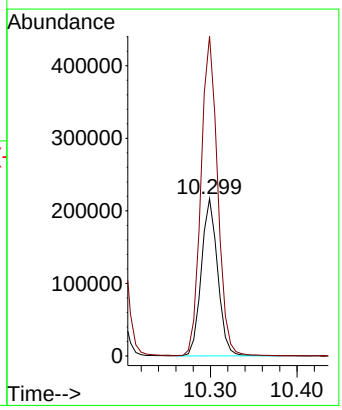


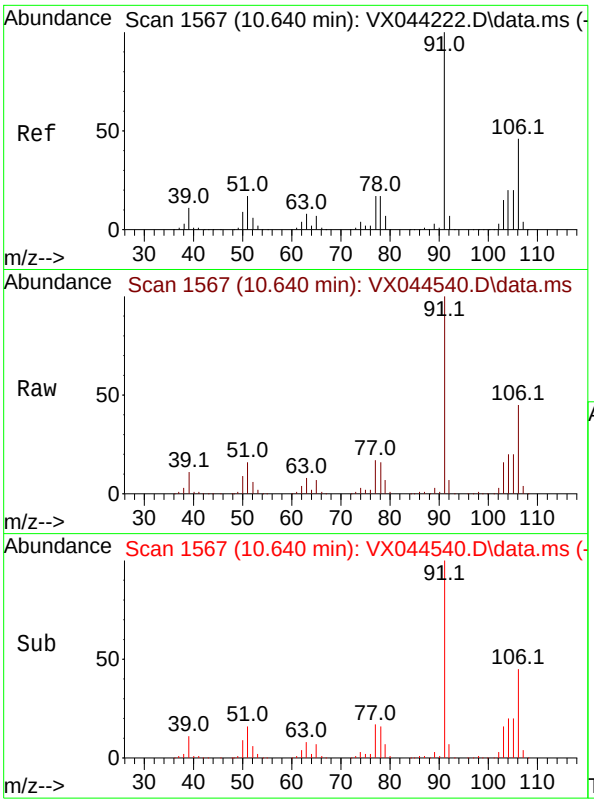


#68
m/p-Xylenes
Concen: 106.627 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:106 Resp: 283669

Ion	Ratio	Lower	Upper
106	100		
91	208.0	170.2	255.2



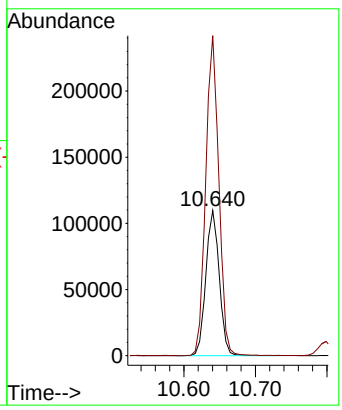


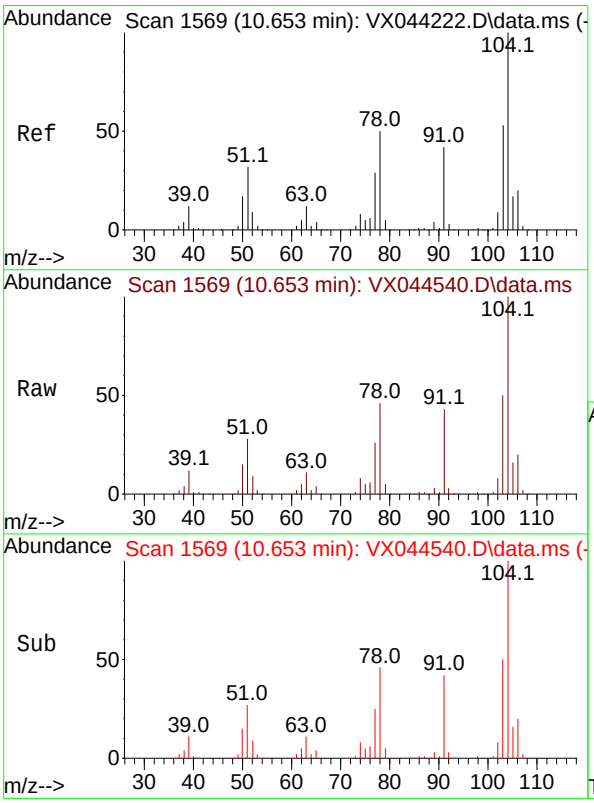
#69
o-Xylene
Concen: 53.072 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 142859

Ion	Ratio	Lower	Upper
106	100		
91	215.5	112.3	337.0

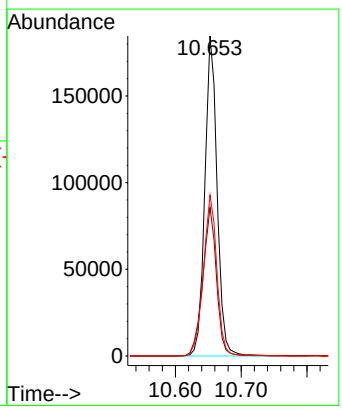


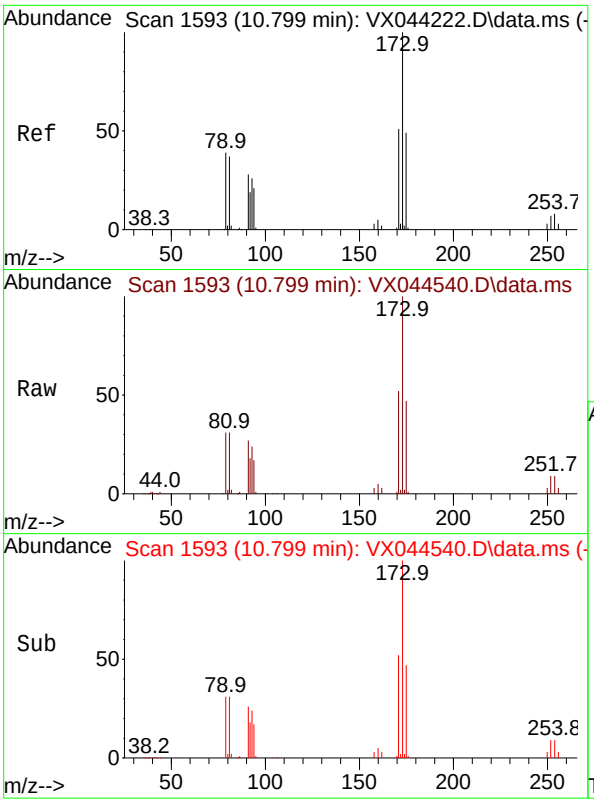


#70
Styrene
Concen: 55.603 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:104 Resp: 239936

Ion	Ratio	Lower	Upper
104	100		
78	51.7	44.6	67.0
103	55.6	45.4	68.0



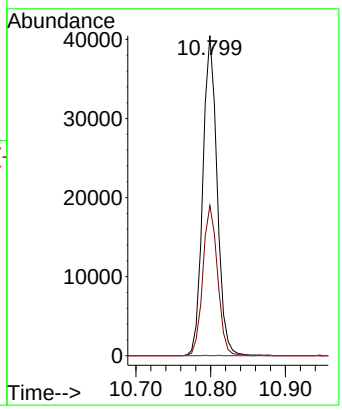


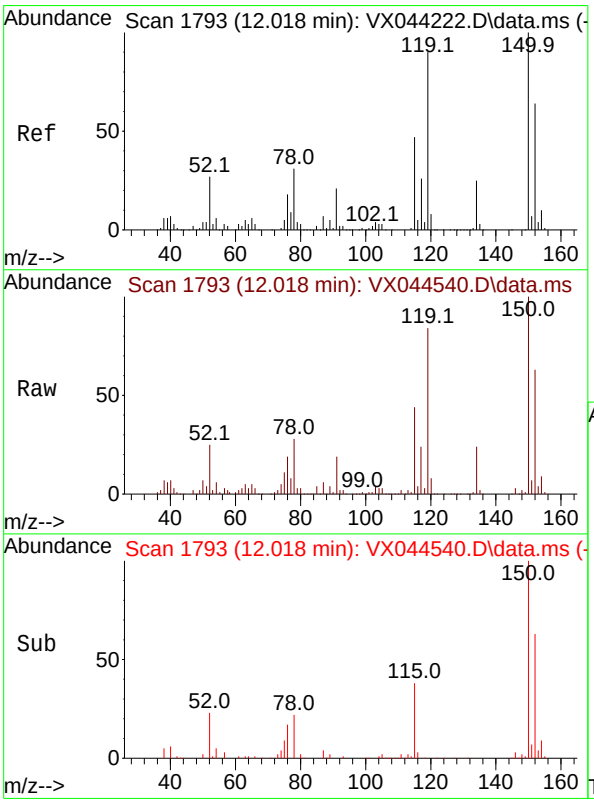
#71
Bromoform
Concen: 56.136 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 53742

Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.8	71.4
254	0.0	0.0	0.0#

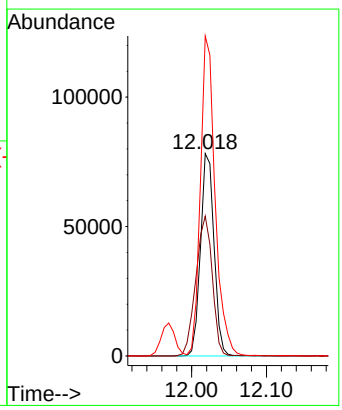


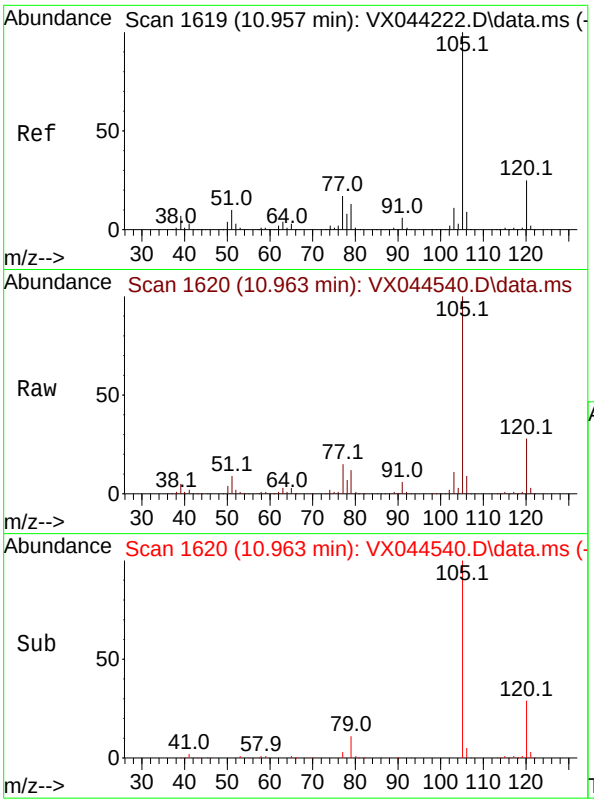


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:152 Resp: 98470

Ion	Ratio	Lower	Upper
152	100		
115	83.7	44.5	133.3
150	171.5	0.0	353.8



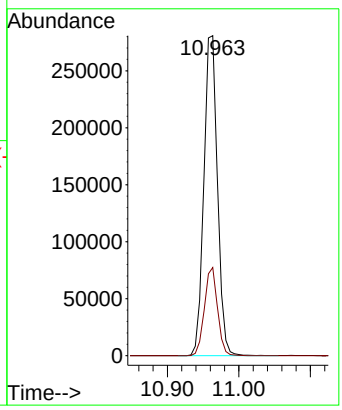


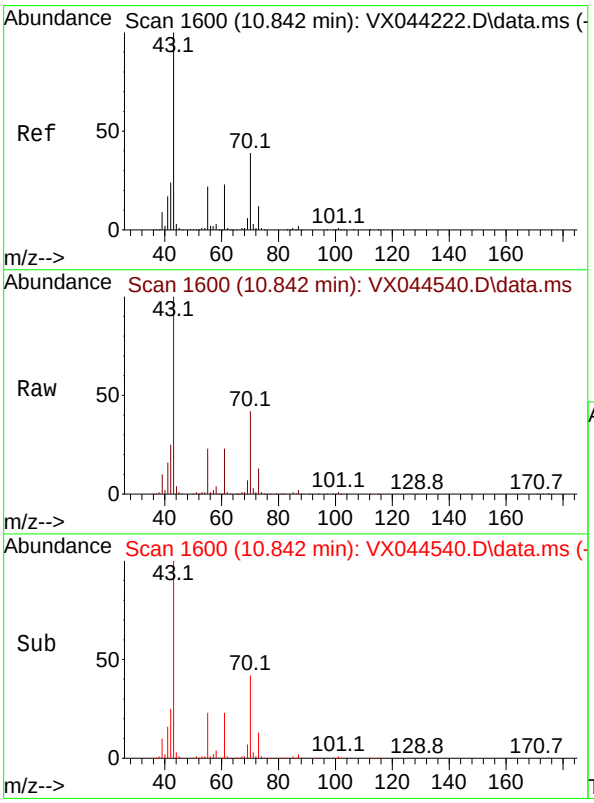
#73
Isopropylbenzene
Concen: 49.257 ug/l
RT: 10.963 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 371310

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.1	39.3

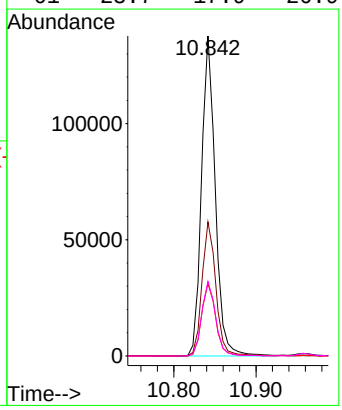


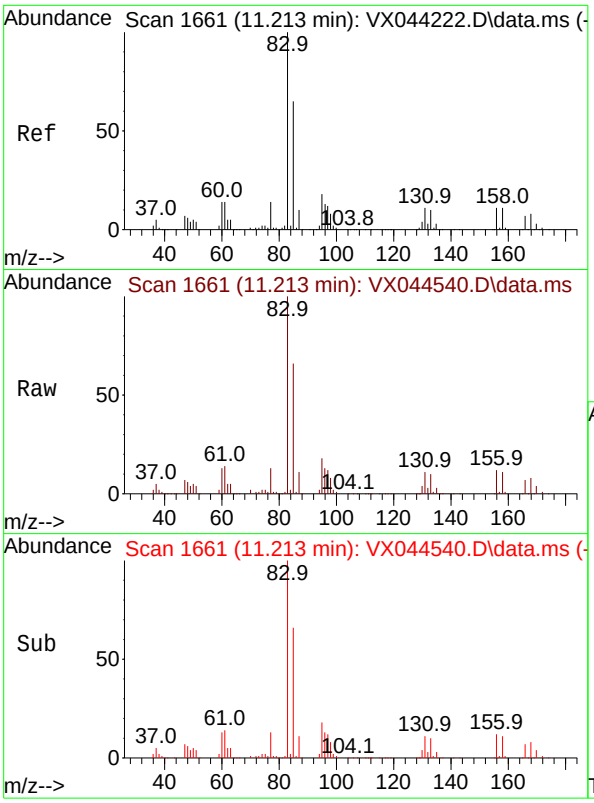


#74
N-amyl acetate
Concen: 45.915 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 43 Resp: 159962

Ion	Ratio	Lower	Upper
43	100		
70	42.3	31.9	47.9
55	23.3	17.9	26.9
61	23.7	17.9	26.9



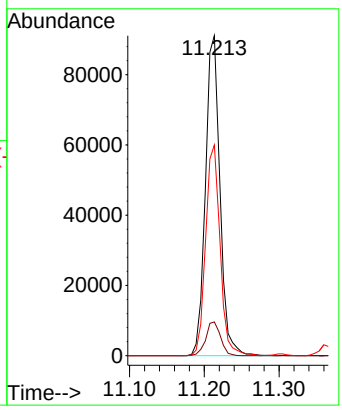


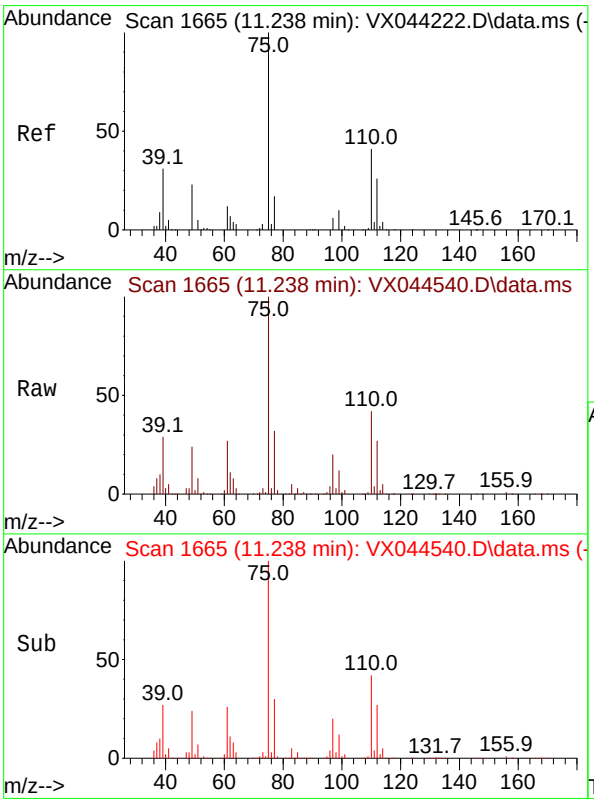
#75
1,1,2,2-Tetrachloroethane
Concen: 46.872 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 122724

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.1	15.4
85	65.5	32.5	97.4

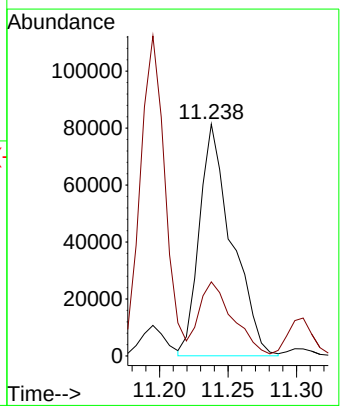


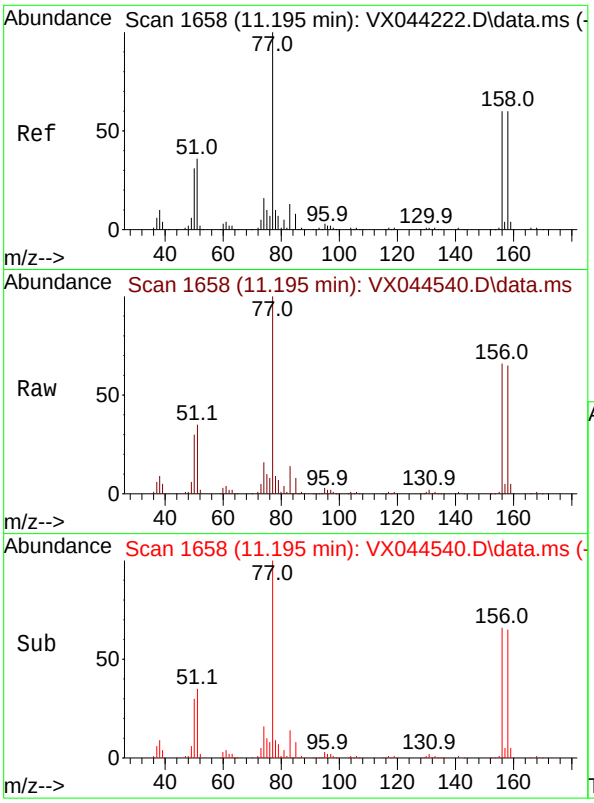


#76
1,2,3-Trichloropropane
Concen: 61.245 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 75 Resp: 134654

Ion	Ratio	Lower	Upper
75	100		
77	33.2	20.9	62.7



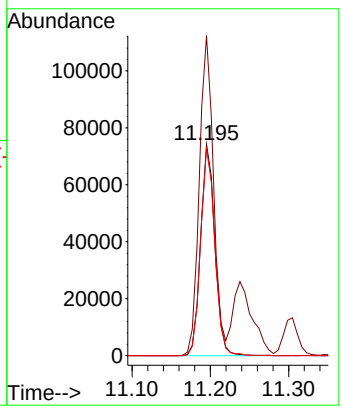


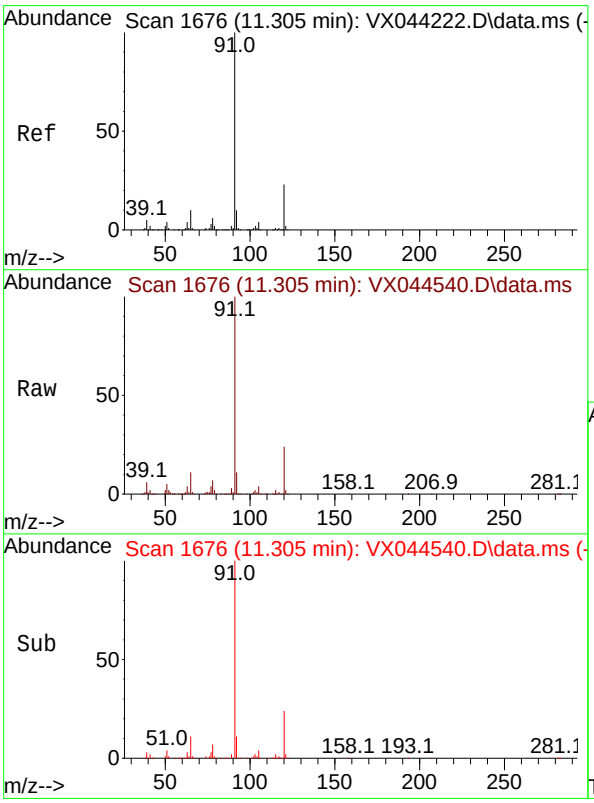
#77
Bromobenzene
Concen: 51.123 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 93453

Ion	Ratio	Lower	Upper
156	100		
77	151.0	82.6	247.8
158	98.0	48.8	146.4

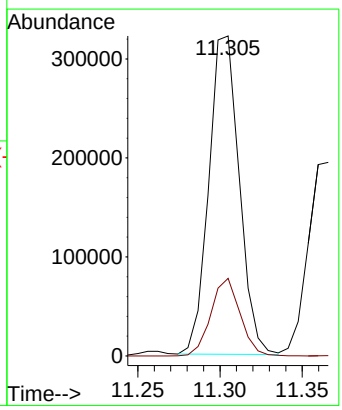


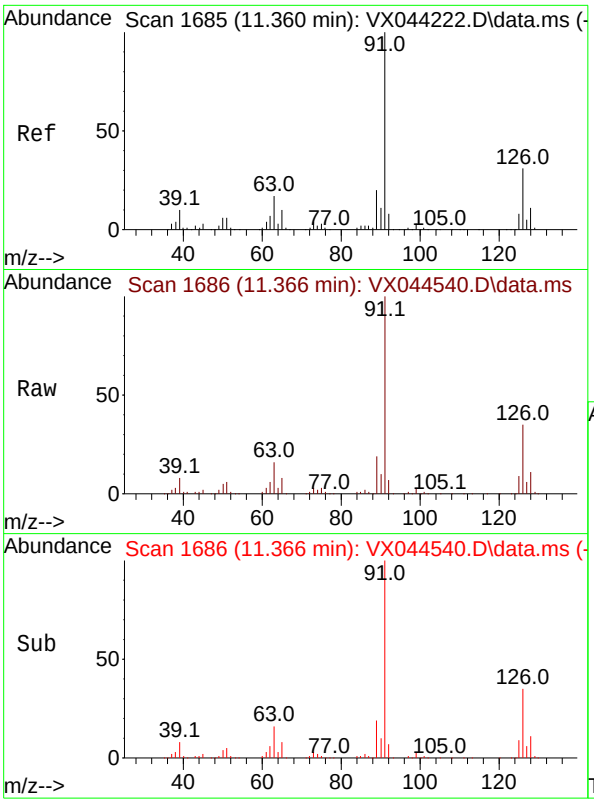


#78
n-propylbenzene
Concen: 49.746 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 91 Resp: 414470

Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.0	33.0



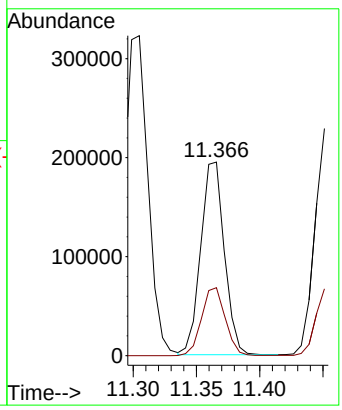


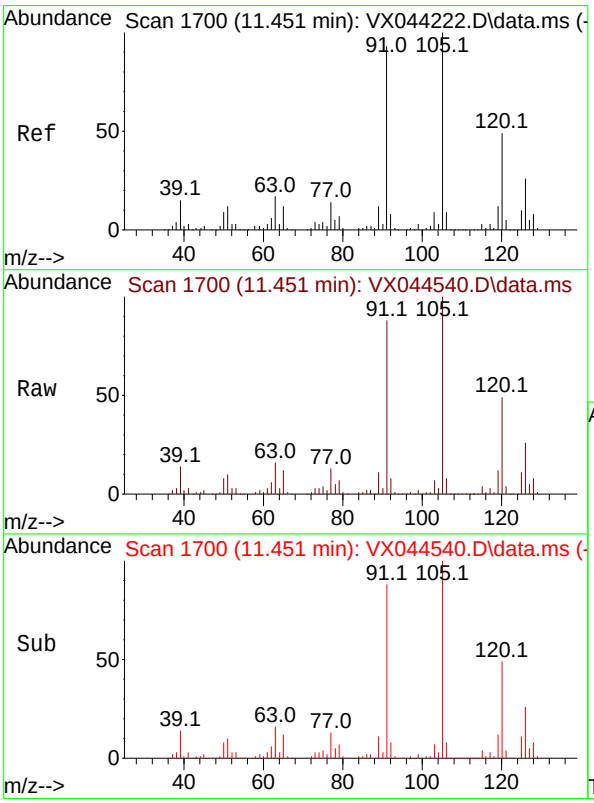
#79
2-Chlorotoluene
Concen: 47.028 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 253407

Ion	Ratio	Lower	Upper
91	100		
126	35.5	16.4	49.1

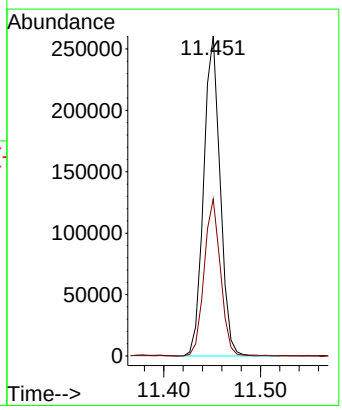


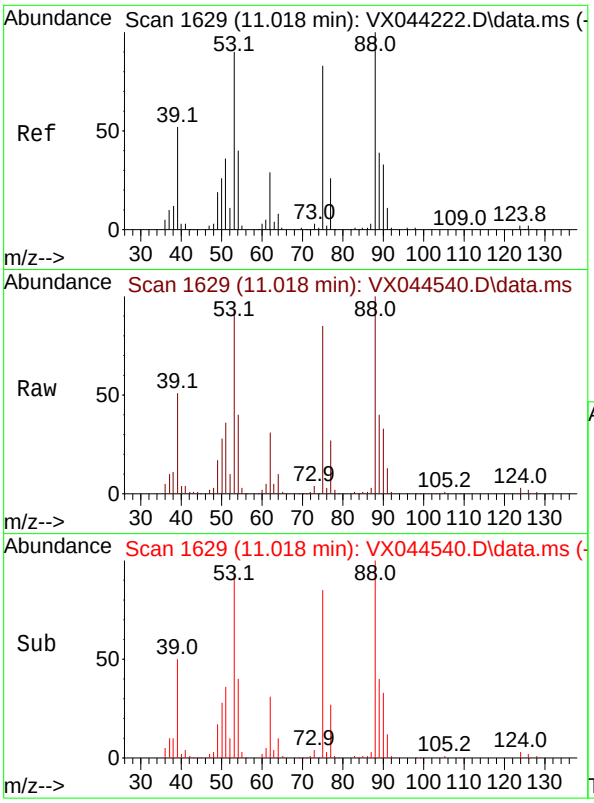


#80
1,3,5-Trimethylbenzene
Concen: 49.542 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:105 Resp: 309707

Ion	Ratio	Lower	Upper
105	100		
120	48.6	23.8	71.4



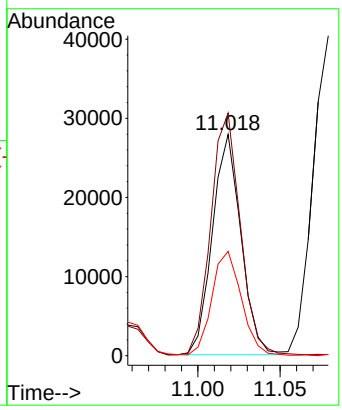


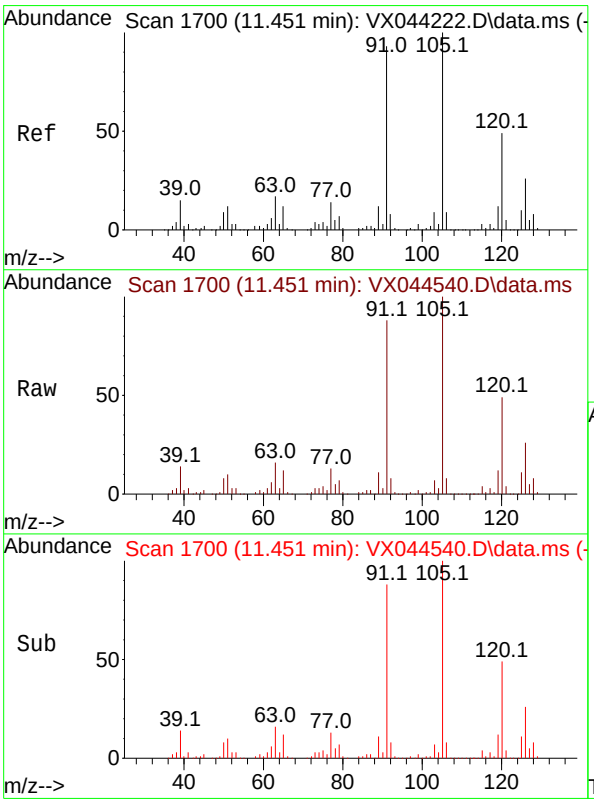
#81
trans-1,4-Dichloro-2-butene
Concen: 44.565 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 33669

Ion	Ratio	Lower	Upper
75	100		
53	115.2	93.6	140.4
89	48.6	37.3	55.9

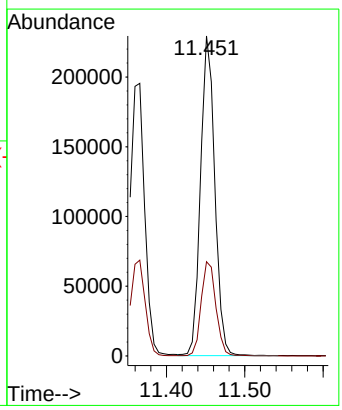


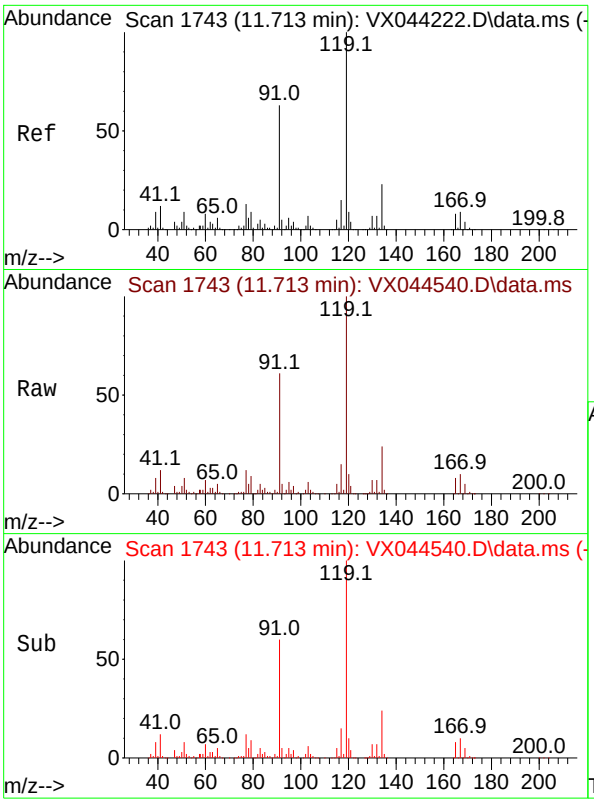


#82
4-Chlorotoluene
Concen: 48.495 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 91 Resp: 289361

Ion	Ratio	Lower	Upper
91	100		
126	30.5	14.5	43.5



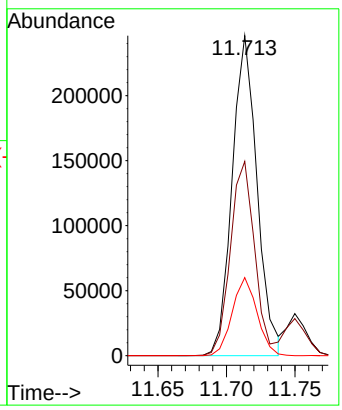


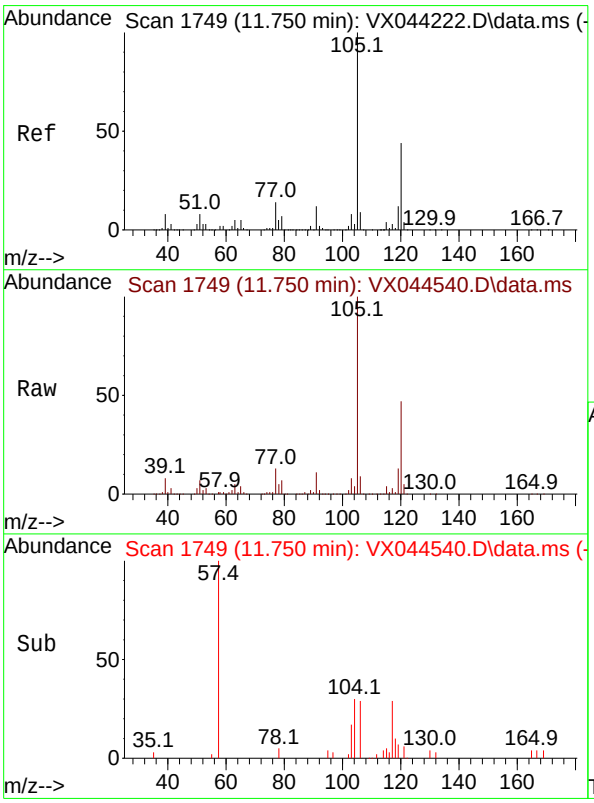
#83
tert-Butylbenzene
Concen: 50.383 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 311269

Ion	Ratio	Lower	Upper
119	100		
91	59.8	30.9	92.5
134	24.3	11.5	34.4

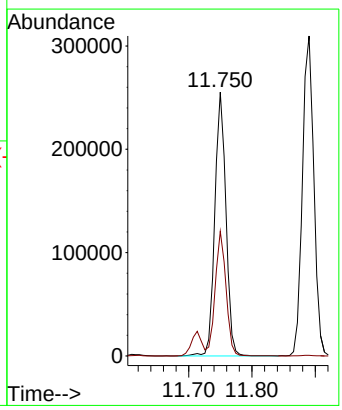


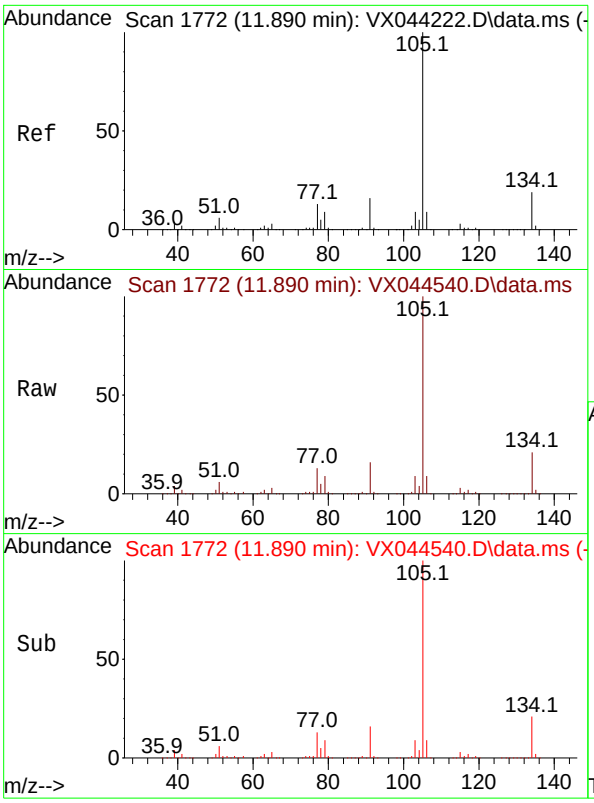


#84
1,2,4-Trimethylbenzene
Concen: 50.715 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:105 Resp: 311357

Ion	Ratio	Lower	Upper
105	100		
120	45.8	21.7	65.1



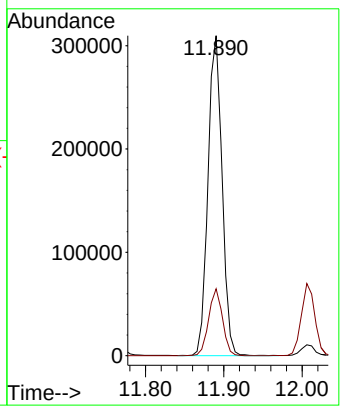


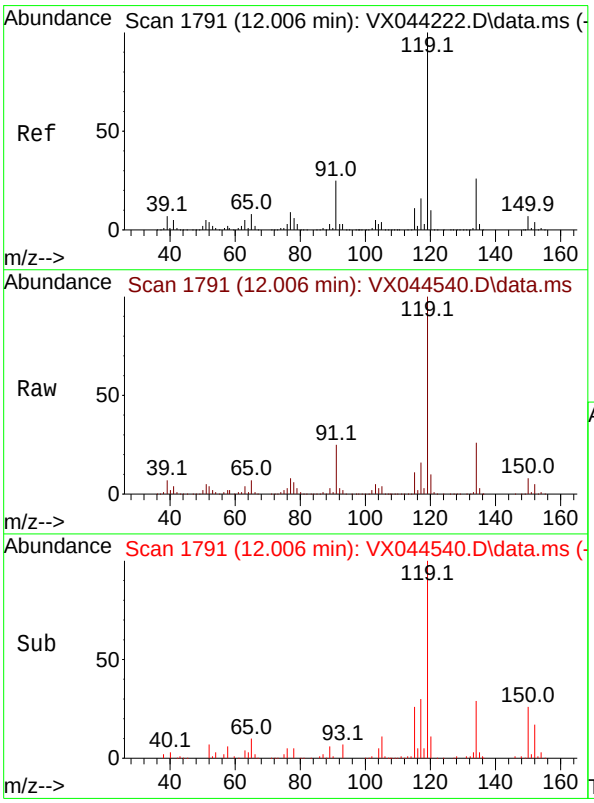
#85
sec-Butylbenzene
Concen: 51.464 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 385987

Ion	Ratio	Lower	Upper
105	100		
134	20.5	9.8	29.4

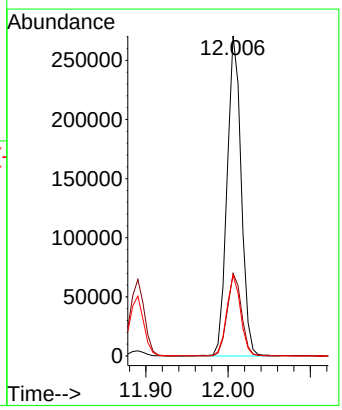


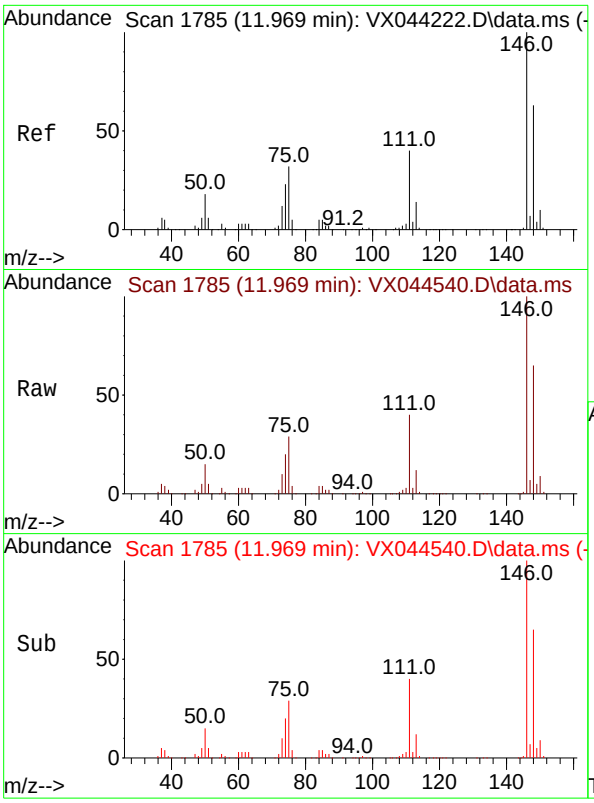


#86
p-Isopropyltoluene
Concen: 51.888 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:119 Resp: 323908

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.8	38.4
91	24.7	13.0	39.0



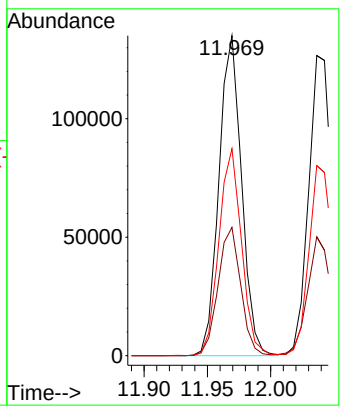


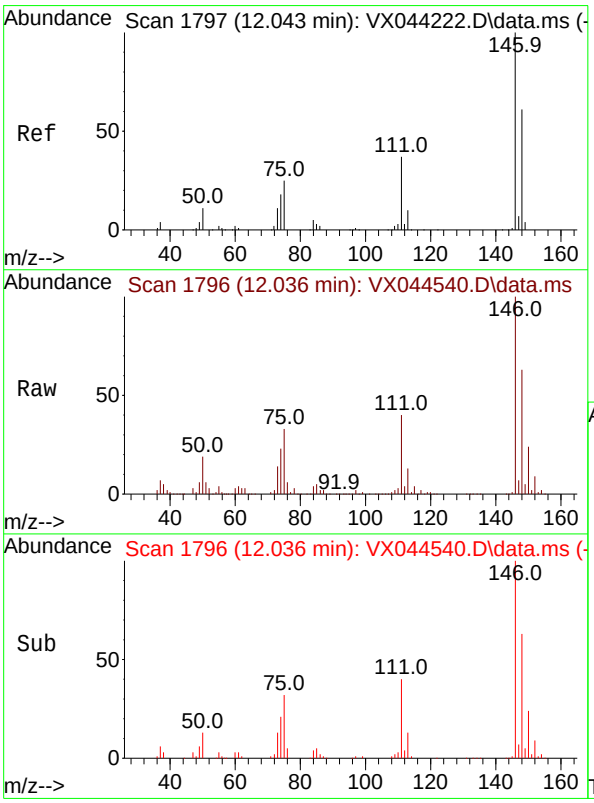
#87
1,3-Dichlorobenzene
Concen: 52.579 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 167888

Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.4	64.2
148	64.7	31.7	95.1

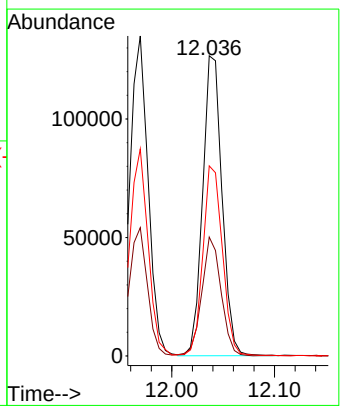


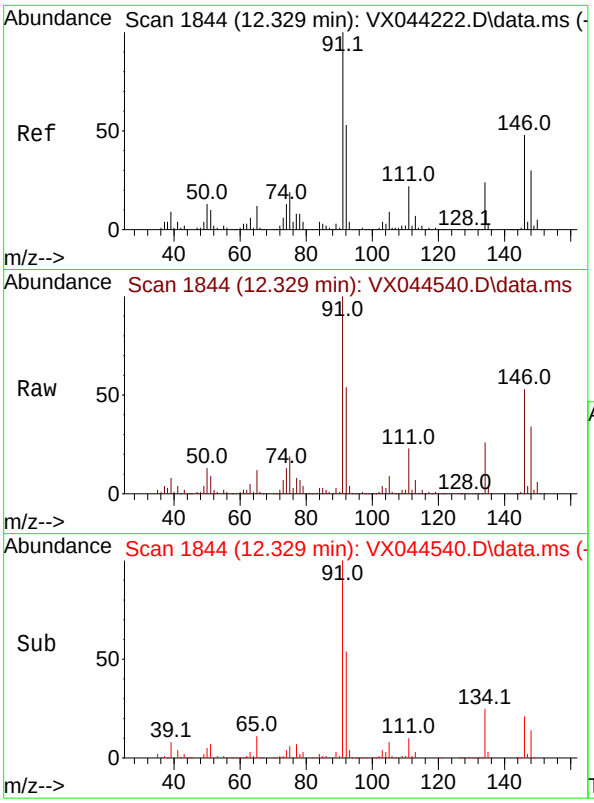


#88
1,4-Dichlorobenzene
Concen: 50.610 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:146 Resp: 166124

Ion	Ratio	Lower	Upper
146	100		
111	39.3	21.0	63.0
148	64.0	32.3	96.8



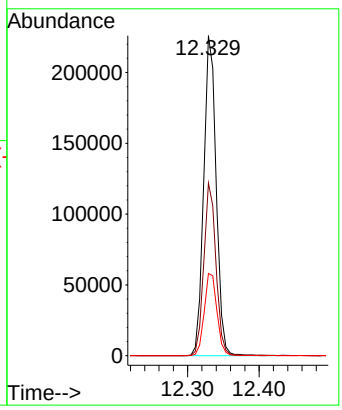


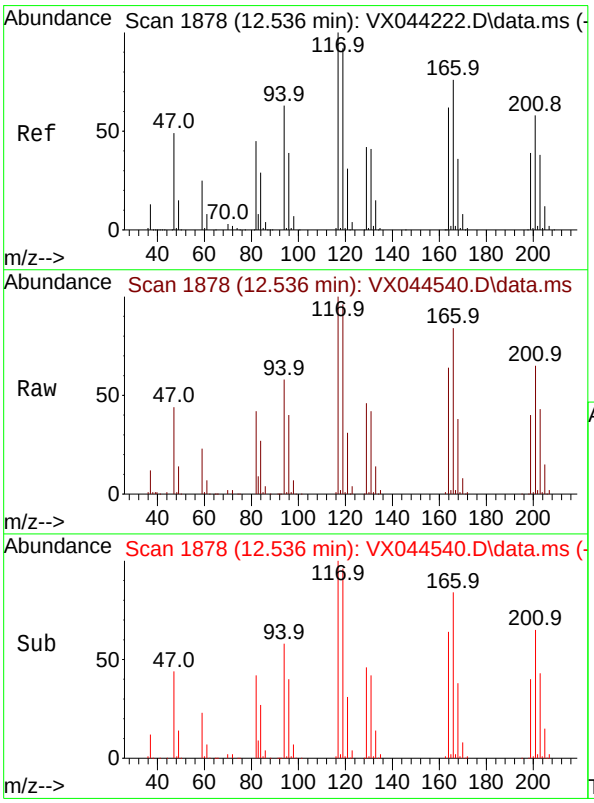
#89
n-Butylbenzene
Concen: 52.164 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 273813

Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.6	79.7
134	26.3	12.6	37.8

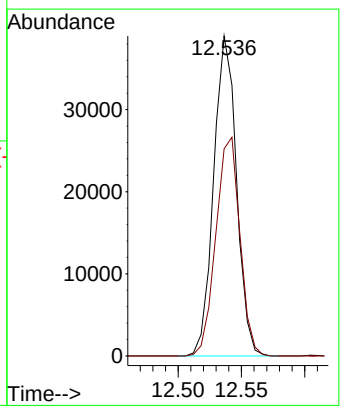


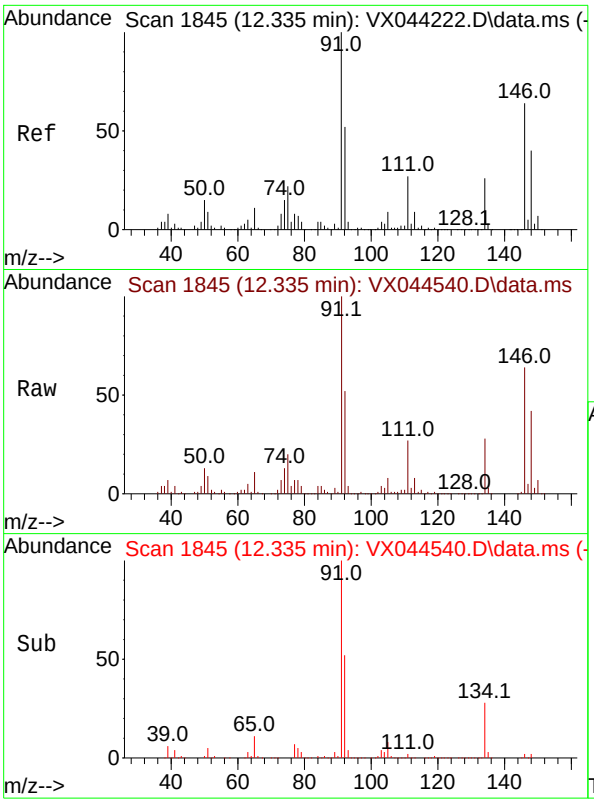


#90
Hexachloroethane
Concen: 53.517 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:117 Resp: 48767

Ion	Ratio	Lower	Upper
117	100		
201	72.1	31.4	94.2



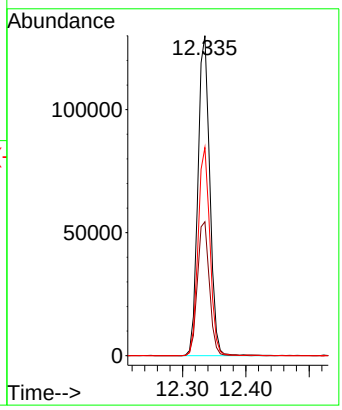


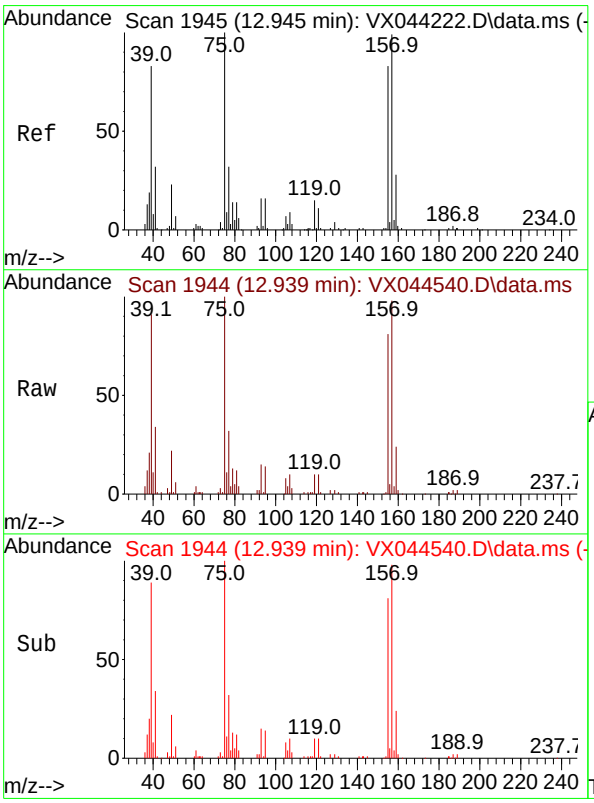
#91
1,2-Dichlorobenzene
Concen: 51.202 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 169759

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.4	64.3
148	65.0	31.6	95.0

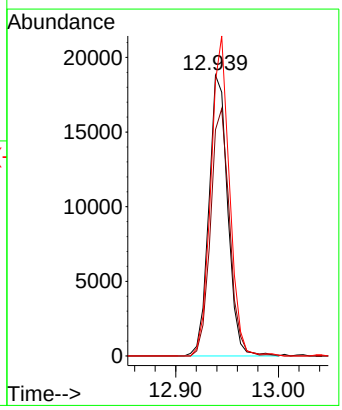


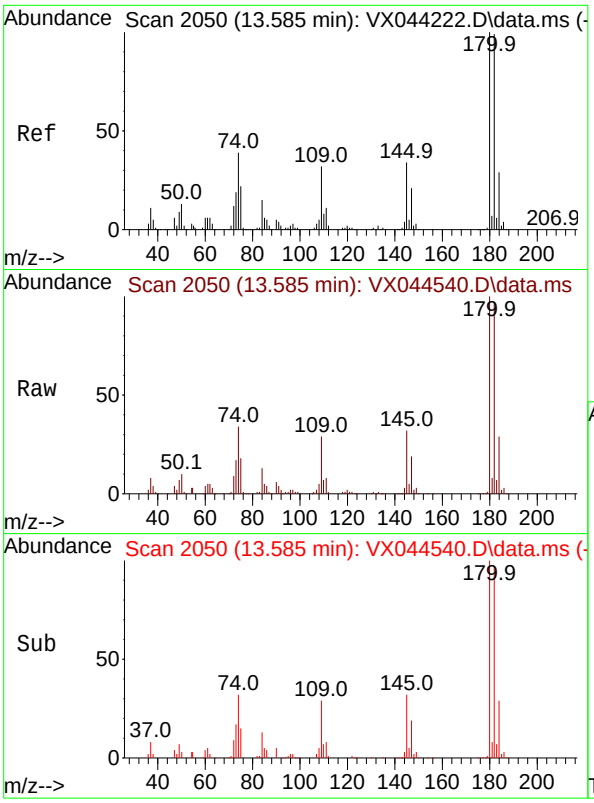


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.105 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion: 75 Resp: 23942

Ion	Ratio	Lower	Upper
75	100		
155	88.7	38.1	114.3
157	112.3	47.2	141.6



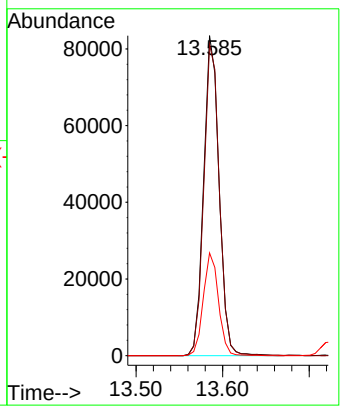


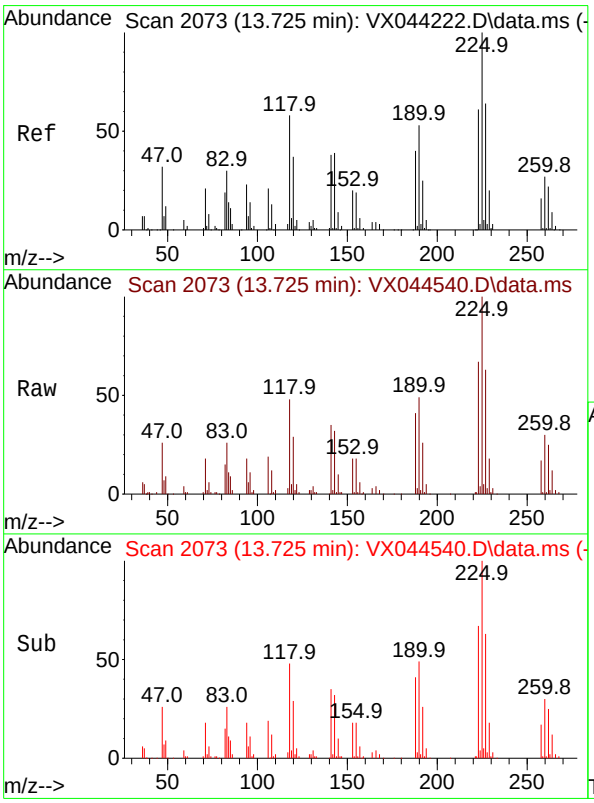
#93
1,2,4-Trichlorobenzene
Concen: 56.806 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 103255

Ion	Ratio	Lower	Upper
180	100		
182	98.2	48.0	144.2
145	31.7	16.6	49.7

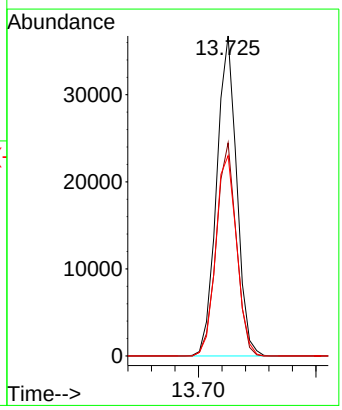


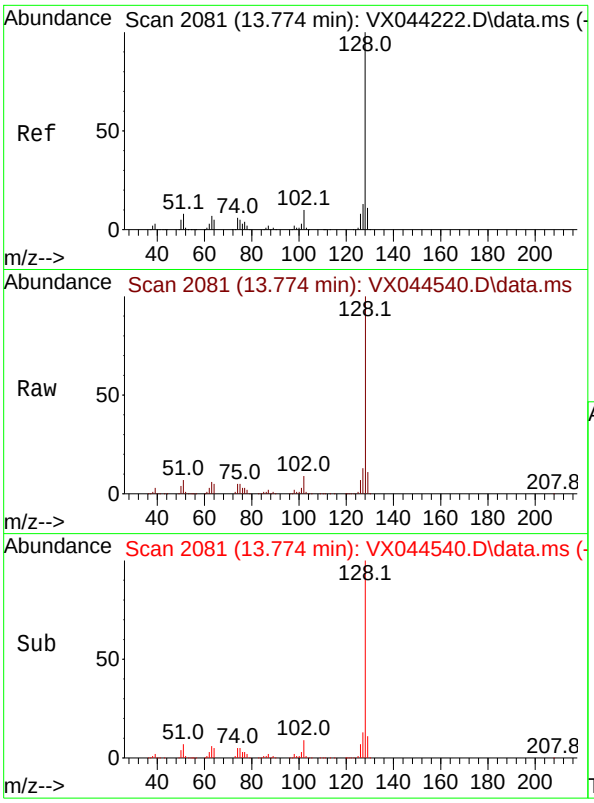


#94
Hexachlorobutadiene
Concen: 59.595 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:225 Resp: 43572

Ion	Ratio	Lower	Upper
225	100		
223	66.1	30.8	92.4
227	65.4	32.1	96.3



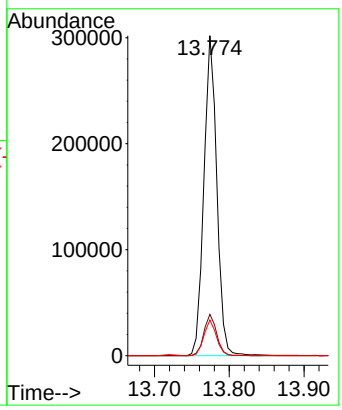


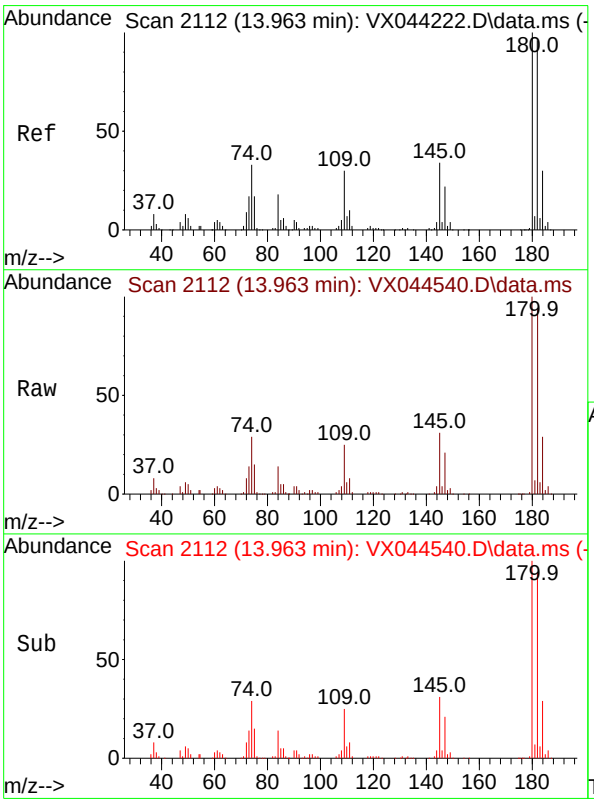
#95
Naphthalene
Concen: 51.070 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 362347

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.9	9.0	13.4

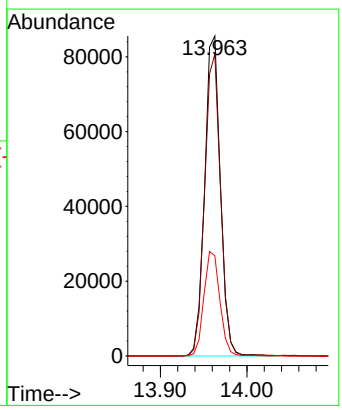




#96
1,2,3-Trichlorobenzene
Concen: 56.081 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044540.D
Acq: 30 Dec 2024 13:07

Tgt Ion:180 Resp: 108119

Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.0	144.0
145	33.1	17.7	53.1



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044543.D
Acq On : 30 Dec 2024 14:54
Operator : JC/MD
Sample : VX1231WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Quant Time: Dec 31 00:28:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	153746	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	254154	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	219785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	114312	42.406	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 84.820%			
35) Dibromofluoromethane	5.385	113	90038	51.151	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.300%			
50) Toluene-d8	8.646	98	301165	50.713	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.420%			
62) 4-Bromofluorobenzene	11.079	95	103985	50.111	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.220%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	39021	16.414	ug/l	97
3) Chloromethane	1.300	50	36025	15.847	ug/l	97
4) Vinyl Chloride	1.373	62	39305	16.596	ug/l	97
5) Bromomethane	1.593	94	26141	15.558	ug/l	99
6) Chloroethane	1.666	64	25379	17.209	ug/l	91
7) Trichlorofluoromethane	1.873	101	69078	14.898	ug/l	100
8) Diethyl Ether	2.135	74	28126	17.771	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	34139	18.196	ug/l	94
10) Methyl Iodide	2.440	142	44638	18.052	ug/l	97
11) Tert butyl alcohol	2.983	59	30824	81.134	ug/l	96
12) 1,1-Dichloroethene	2.306	96	31973	18.553	ug/l	94
13) Acrolein	2.233	56	65679	119.429	ug/l	99
14) Allyl chloride	2.654	41	47046	16.390	ug/l	97
15) Acrylonitrile	3.068	53	91236	86.695	ug/l	98
16) Acetone	2.385	43	81705	74.346	ug/l	96
17) Carbon Disulfide	2.501	76	48174	14.706	ug/l	99
18) Methyl Acetate	2.702	43	49803	17.576	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	111711	16.611	ug/l	100
20) Methylene Chloride	2.782	84	35960	17.421	ug/l	92
21) trans-1,2-Dichloroethene	3.080	96	31555	17.229	ug/l	94
22) Diisopropyl ether	3.763	45	105148	16.268	ug/l	95
23) Vinyl Acetate	3.720	43	443441	84.386	ug/l	99
24) 1,1-Dichloroethane	3.605	63	62553	17.362	ug/l	97
25) 2-Butanone	4.562	43	125426	80.280	ug/l	98
26) 2,2-Dichloropropane	4.470	77	50413	17.223	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	39939	17.170	ug/l	95
28) Bromochloromethane	4.897	49	29914	16.932	ug/l	94
29) Tetrahydrofuran	5.007	42	80671	80.443	ug/l	97
30) Chloroform	5.086	83	68047	16.810	ug/l	100
31) Cyclohexane	5.458	56	47583	16.355	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	56892	16.931	ug/l	99
36) 1,1-Dichloropropene	5.690	75	41811	18.376	ug/l	97
37) Ethyl Acetate	4.720	43	48902	17.387	ug/l	99
38) Carbon Tetrachloride	5.665	117	46337	18.916	ug/l	99
39) Methylcyclohexane	7.372	83	52019	19.124	ug/l	97
40) Benzene	6.031	78	133403	19.310	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044543.D
Acq On : 30 Dec 2024 14:54
Operator : JC/MD
Sample : VX1231WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Quant Time: Dec 31 00:28:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.921	41	26206	17.547 ug/l	95
42) 1,2-Dichloroethane	6.080	62	53308	18.732 ug/l	97
43) Isopropyl Acetate	6.342	43	77717	17.679 ug/l	97
44) Trichloroethene	7.122	130	34218	19.862 ug/l	99
45) 1,2-Dichloropropane	7.427	63	33258	18.843 ug/l	99
46) Dibromomethane	7.580	93	26469	19.331 ug/l	93
47) Bromodichloromethane	7.817	83	44308	18.736 ug/l	99
48) Methyl methacrylate	7.695	41	38081	17.845 ug/l	99
49) 1,4-Dioxane	7.665	88	10441	295.105 ug/l	88
51) 4-Methyl-2-Pentanone	8.573	43	256481	90.739 ug/l	99
52) Toluene	8.713	92	81853	18.868 ug/l	98
53) t-1,3-Dichloropropene	8.976	75	42464	17.946 ug/l	92
54) cis-1,3-Dichloropropene	8.366	75	49386	19.180 ug/l	97
55) 1,1,2-Trichloroethane	9.152	97	34756	20.166 ug/l	97
56) Ethyl methacrylate	9.116	69	48658	17.884 ug/l	99
57) 1,3-Dichloropropane	9.305	76	57049	19.017 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	113825	82.945 ug/l	98
59) 2-Hexanone	9.433	43	186080	90.950 ug/l	98
60) Dibromochloromethane	9.518	129	31945	18.797 ug/l	99
61) 1,2-Dibromoethane	9.610	107	35083	19.998 ug/l	97
64) Tetrachloroethene	9.268	164	30154	20.671 ug/l	97
65) Chlorobenzene	10.079	112	91014	19.326 ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.164	131	30176	19.937 ug/l	99
67) Ethyl Benzene	10.195	91	154584	18.997 ug/l	97
68) m/p-Xylenes	10.299	106	117637	39.398 ug/l	95
69) o-Xylene	10.640	106	57605	19.067 ug/l	97
70) Styrene	10.652	104	94578	19.528 ug/l	97
71) Bromoform	10.798	173	19071	20.029 ug/l #	100
73) Isopropylbenzene	10.963	105	150815	19.536 ug/l	100
74) N-amyl acetate	10.841	43	60883	17.065 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	52073	19.420 ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	53292	23.669 ug/l	87
77) Bromobenzene	11.201	156	38364	20.493 ug/l	92
78) n-propylbenzene	11.304	91	163660	19.181 ug/l	97
79) 2-Chlorotoluene	11.365	91	104313	18.903 ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	125956	19.674 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	12327	19.517 ug/l	97
82) 4-Chlorotoluene	11.451	91	115520	18.905 ug/l	96
83) tert-Butylbenzene	11.713	119	124037	19.605 ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	125891	20.023 ug/l	99
85) sec-Butylbenzene	11.890	105	152233	19.820 ug/l	98
86) p-Isopropyltoluene	12.006	119	126730	19.824 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	66973	20.481 ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	67120	19.967 ug/l	99
89) n-Butylbenzene	12.329	91	102486	19.065 ug/l	100
90) Hexachloroethane	12.536	117	17305	18.544 ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	65715	19.354 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	8617	16.555 ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	38478	20.671 ug/l	98
94) Hexachlorobutadiene	13.725	225	16427	21.939 ug/l	98
95) Naphthalene	13.774	128	134577	18.521 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	40587	20.557 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044543.D
Acq On : 30 Dec 2024 14:54
Operator : JC/MD
Sample : VX1231WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Quant Time: Dec 31 00:28:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

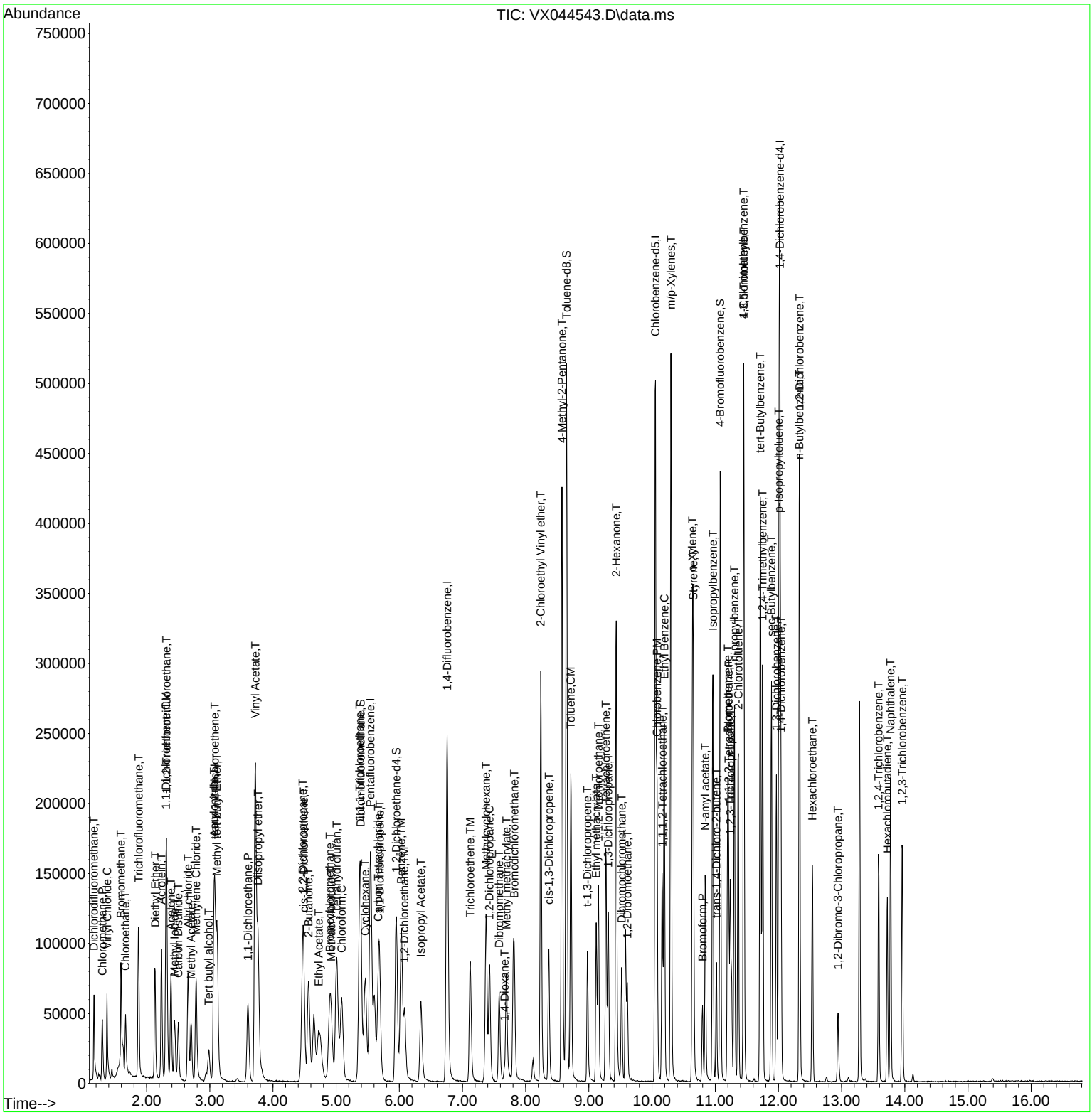
(#) = qualifier out of range (m) = manual integration (+) = signals summed

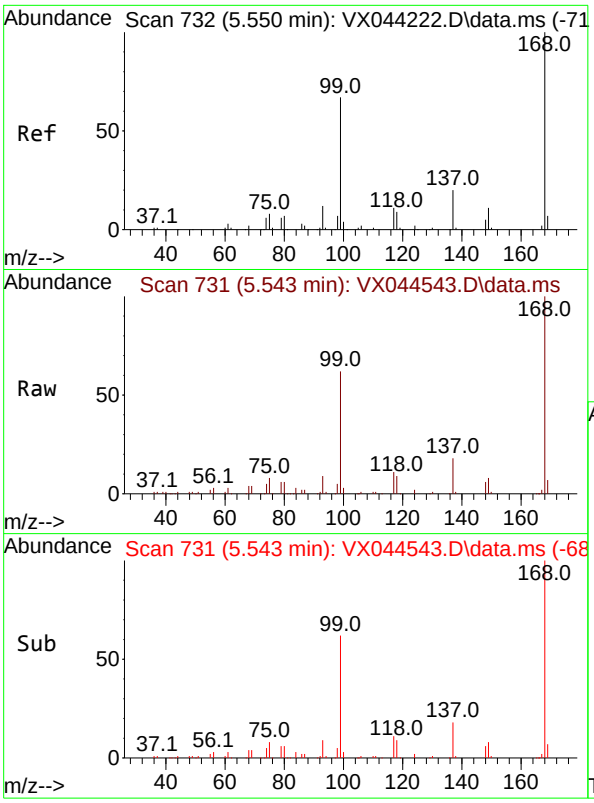
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044543.D
Acq On : 30 Dec 2024 14:54
Operator : JC/MD
Sample : VX1231WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Quant Time: Dec 31 00:28:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



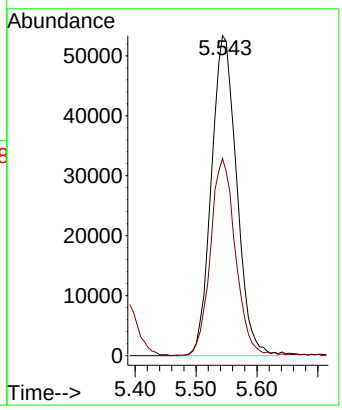


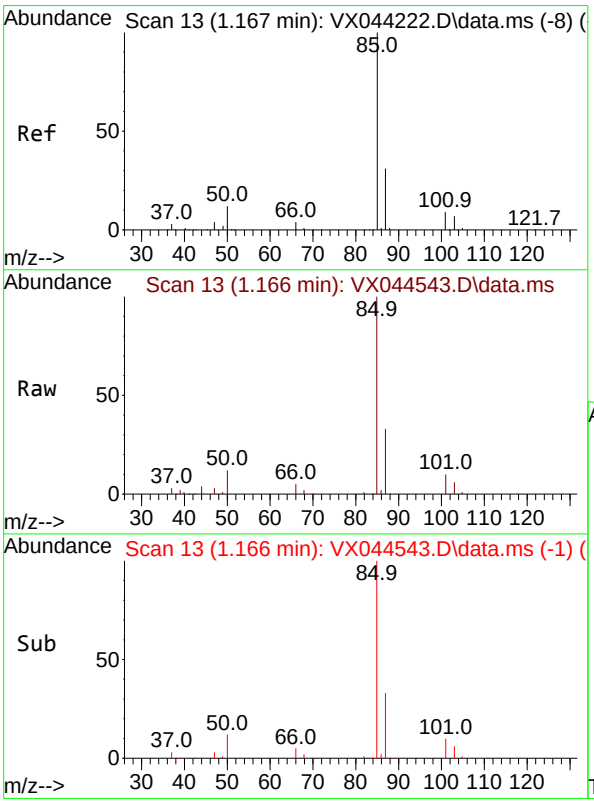
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion:168 Resp: 153746

Ion	Ratio	Lower	Upper
168	100		
99	61.4	53.4	80.0

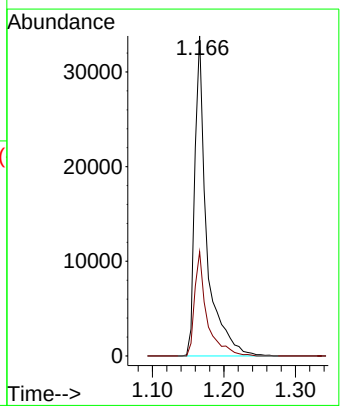


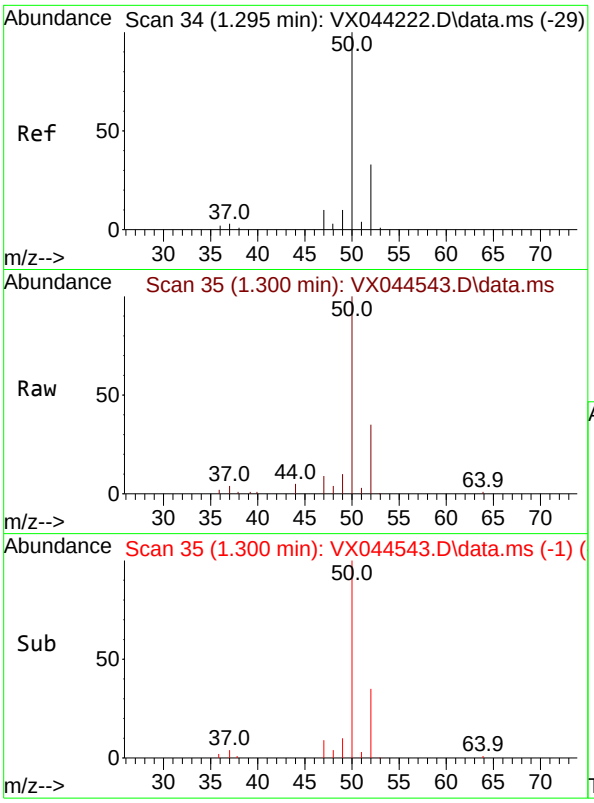


#2
Dichlorodifluoromethane
Concen: 16.414 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 85 Resp: 39021

Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.4	46.4



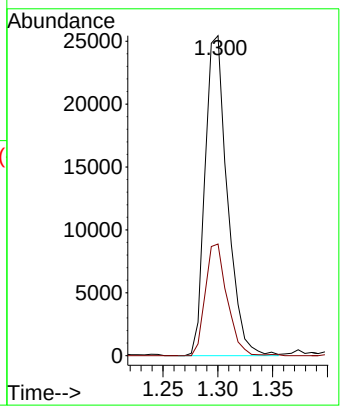


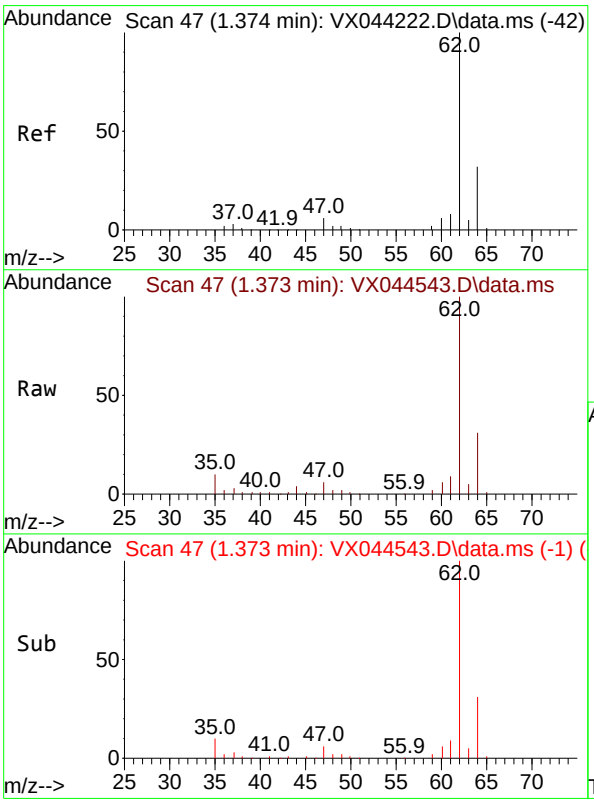
#3
Chloromethane
Concen: 15.847 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 50 Resp: 36025

Ion	Ratio	Lower	Upper
50	100		
52	34.9	26.5	39.7

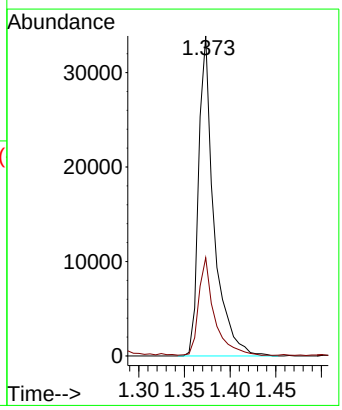


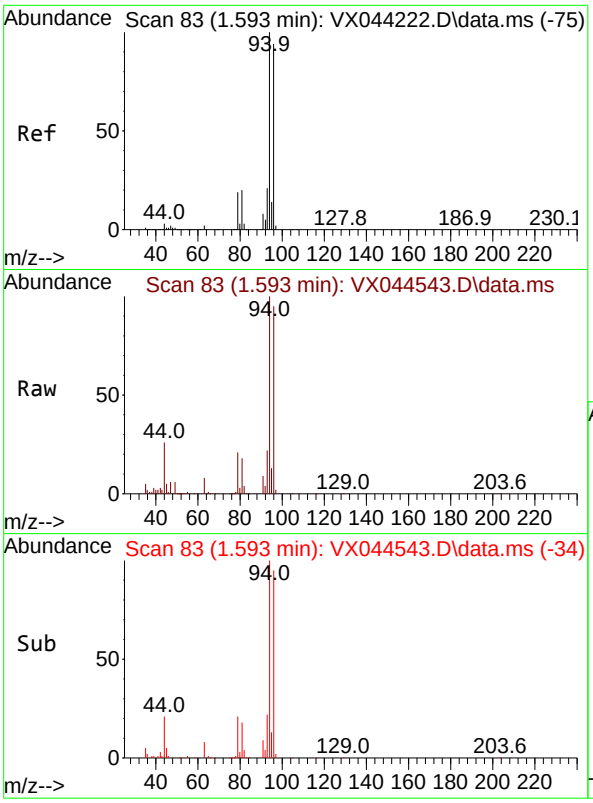


#4
Vinyl Chloride
Concen: 16.596 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 62 Resp: 39305

Ion	Ratio	Lower	Upper
62	100		
64	30.5	25.7	38.5



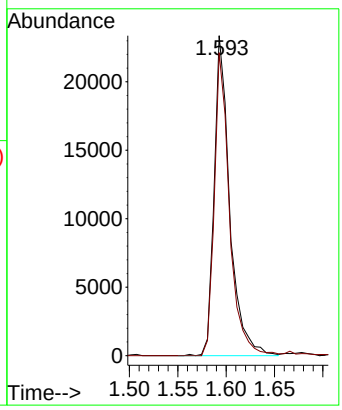


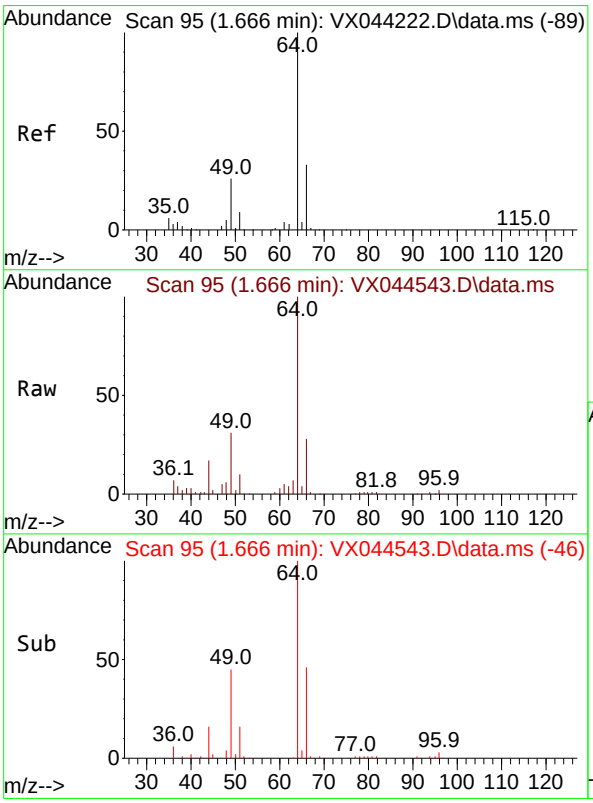
#5
Bromomethane
Concen: 15.558 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 94 Resp: 26141

Ion	Ratio	Lower	Upper
94	100		
96	94.7	74.9	112.3

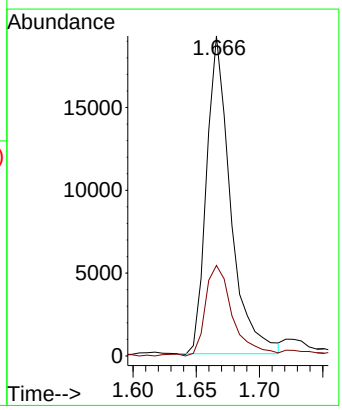


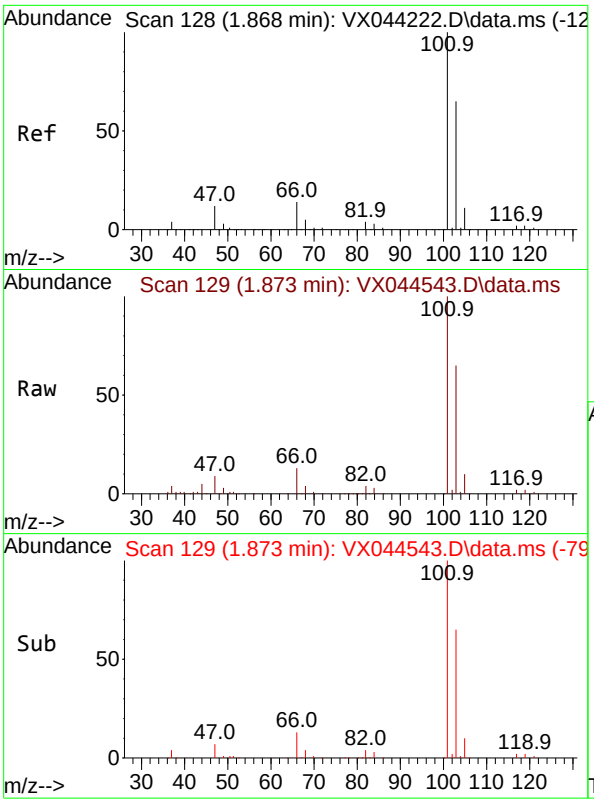


#6
Chloroethane
Concen: 17.209 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 64 Resp: 25379

Ion	Ratio	Lower	Upper
64	100		
66	27.9	26.6	39.8



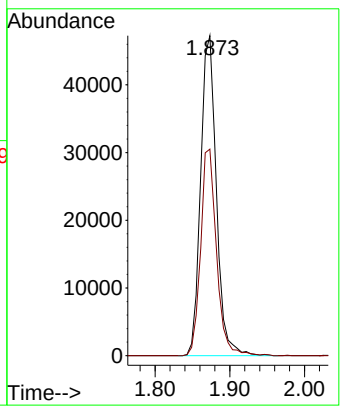


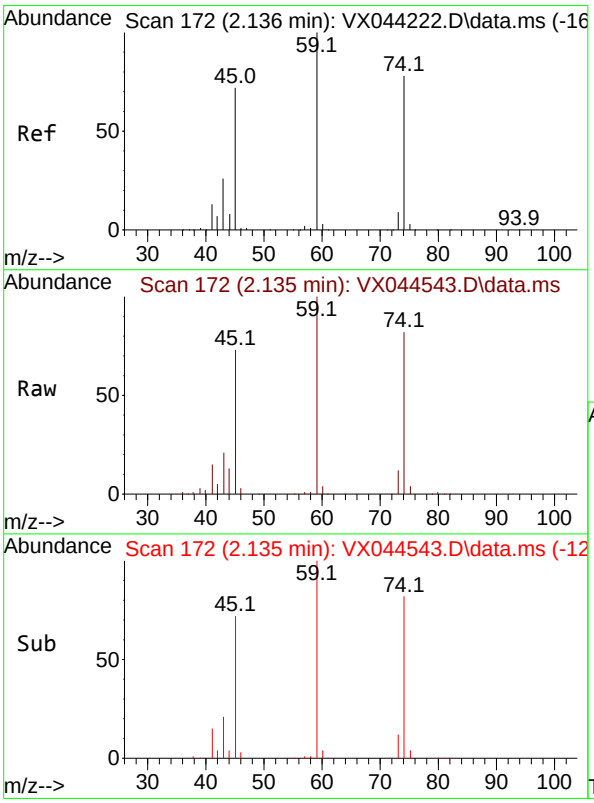
#7
Trichlorofluoromethane
Concen: 14.898 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion:101 Resp: 69078

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.8	77.8

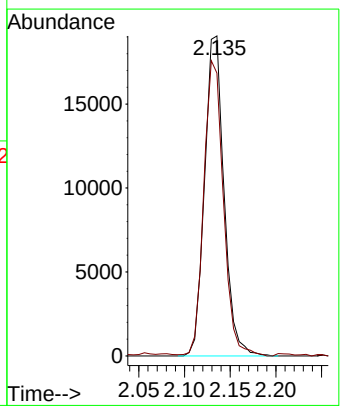


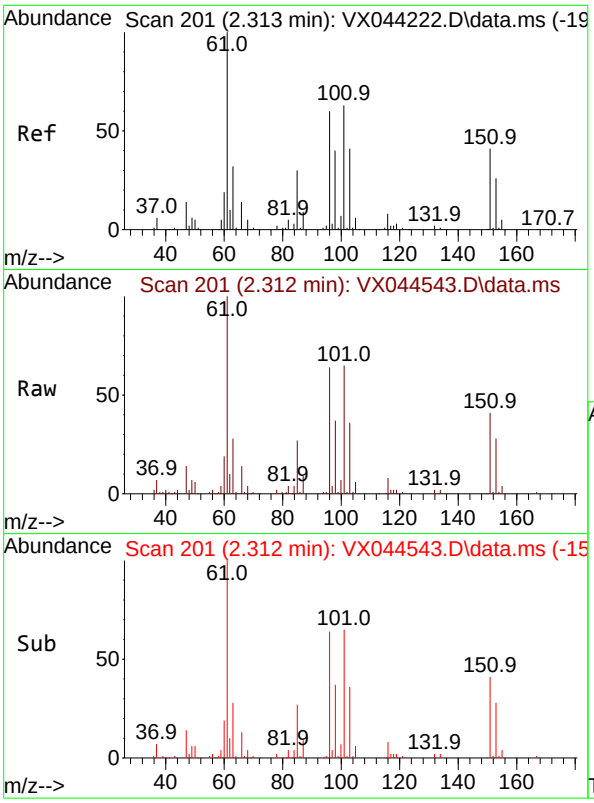


#8
Diethyl Ether
Concen: 17.771 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 74 Resp: 28126

Ion	Ratio	Lower	Upper
74	100		
45	93.1	48.4	145.0



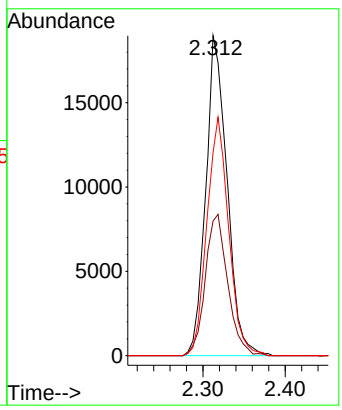


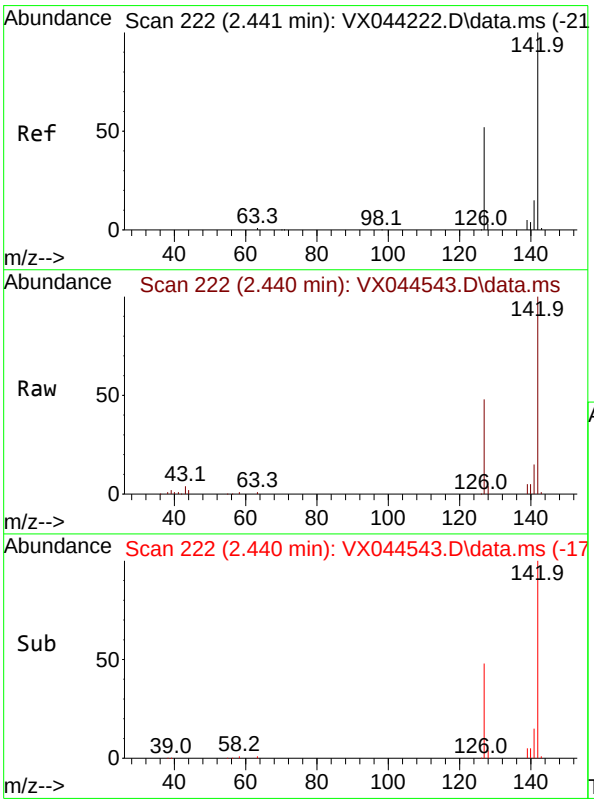
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.196 ug/l
RT: 2.312 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion:101 Resp: 34139

Ion	Ratio	Lower	Upper
101	100		
85	46.5	38.5	57.7
151	76.3	55.8	83.6

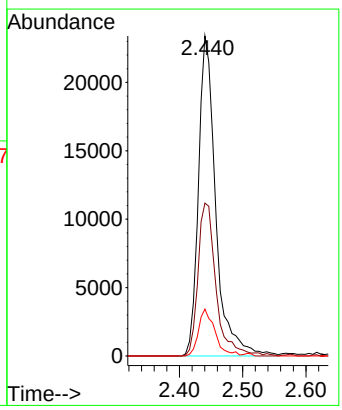


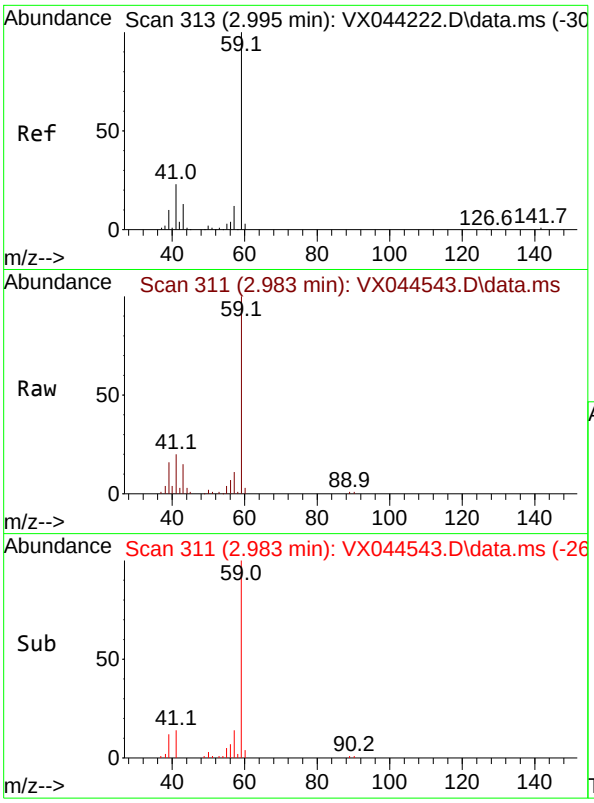


#10
Methyl Iodide
Concen: 18.052 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:142 Resp: 44638

Ion	Ratio	Lower	Upper
142	100		
127	49.7	41.8	62.8
141	14.0	11.5	17.3



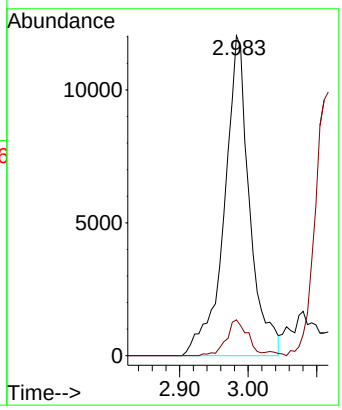


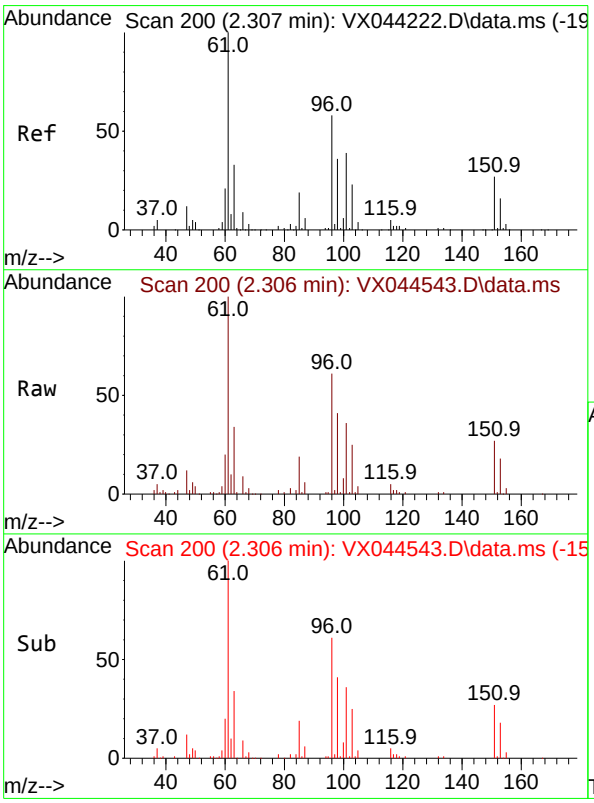
#11
Tert butyl alcohol
Concen: 81.134 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.013 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 59 Resp: 30824

Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.8	13.2

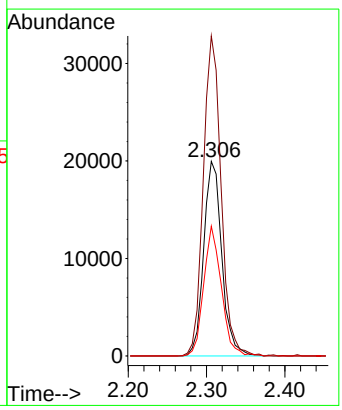


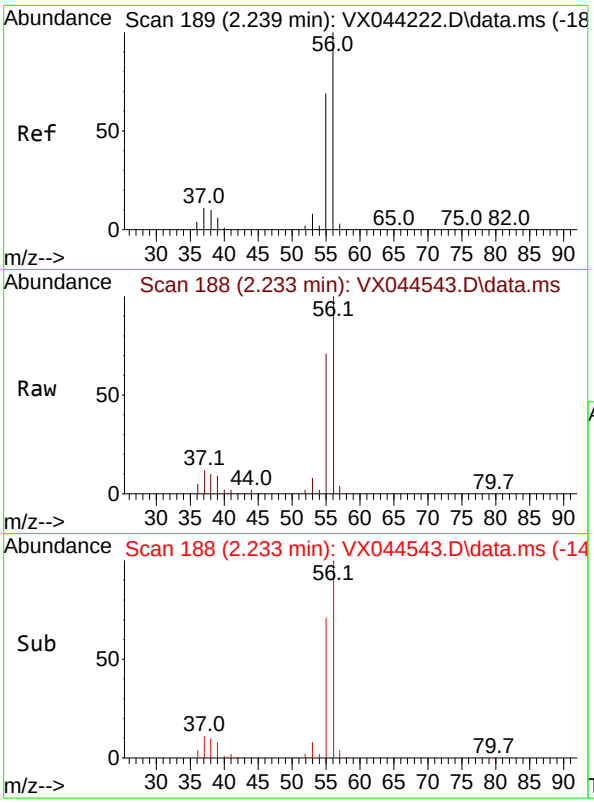


#12
1,1-Dichloroethene
Concen: 18.553 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 96 Resp: 31973

Ion	Ratio	Lower	Upper
96	100		
61	164.5	138.0	207.0
98	66.7	50.0	75.0



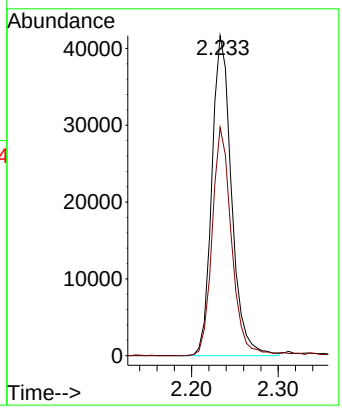


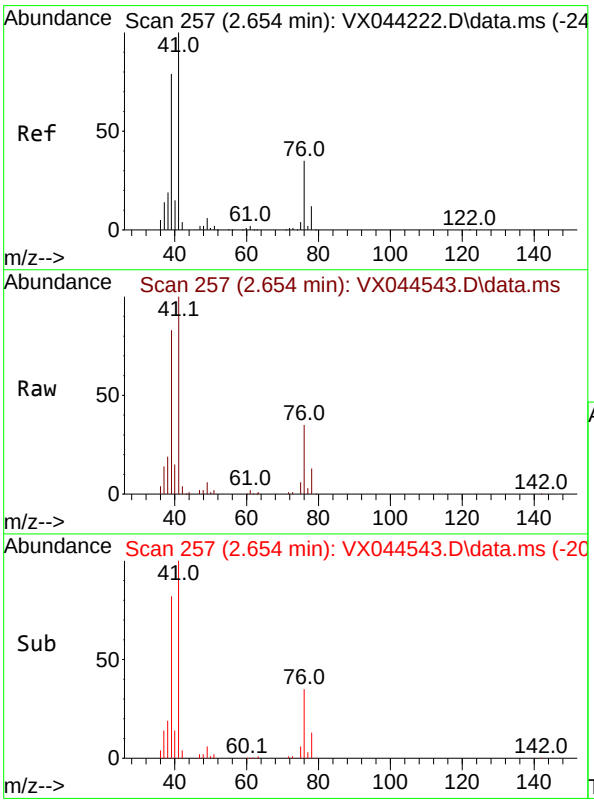
#13
Acrolein
Concen: 119.429 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 56 Resp: 65679

Ion	Ratio	Lower	Upper
56	100		
55	70.1	56.6	84.8

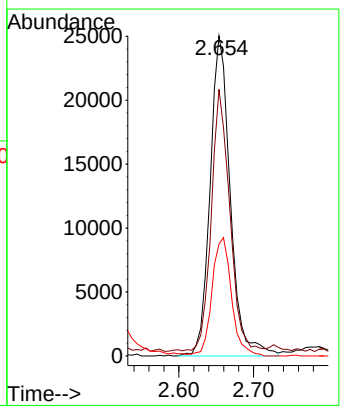


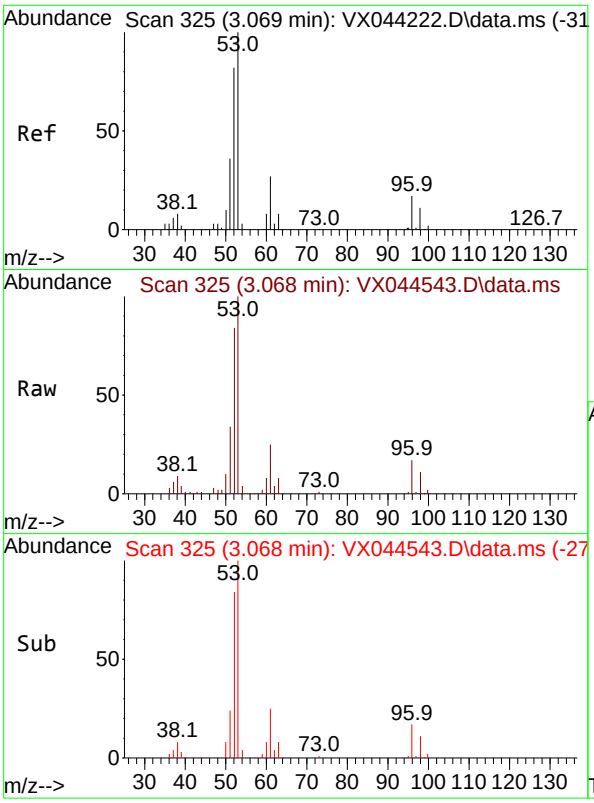


#14
Allyl chloride
Concen: 16.390 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 41 Resp: 47046

Ion	Ratio	Lower	Upper
41	100		
39	74.3	61.9	92.9
76	35.6	27.4	41.2



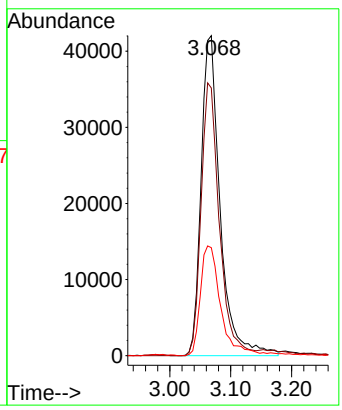


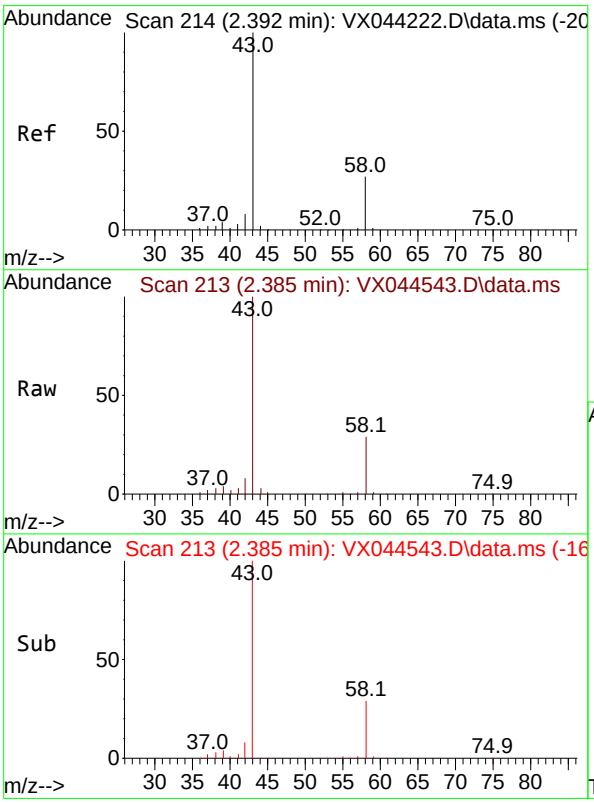
#15
Acrylonitrile
Concen: 86.695 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 53 Resp: 91236

Ion	Ratio	Lower	Upper
53	100		
52	82.0	67.4	101.0
51	37.7	30.3	45.5

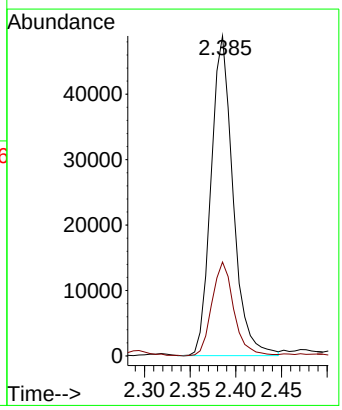


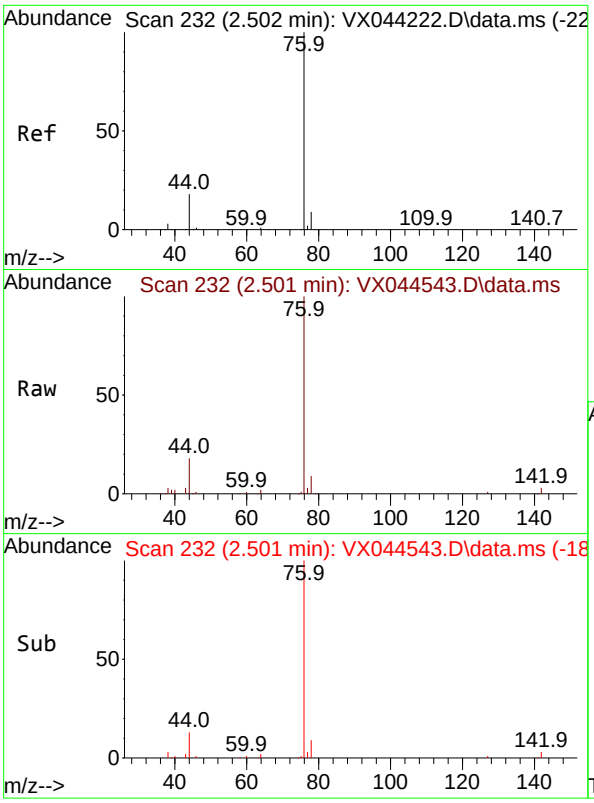


#16
Acetone
Concen: 74.346 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 43 Resp: 81705

Ion	Ratio	Lower	Upper
43	100		
58	29.2	21.6	32.4



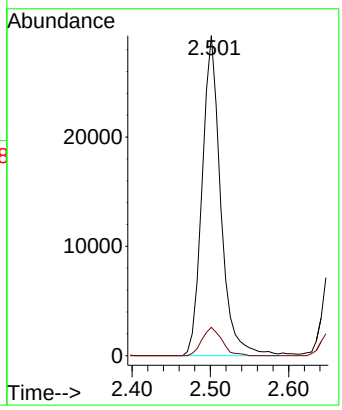


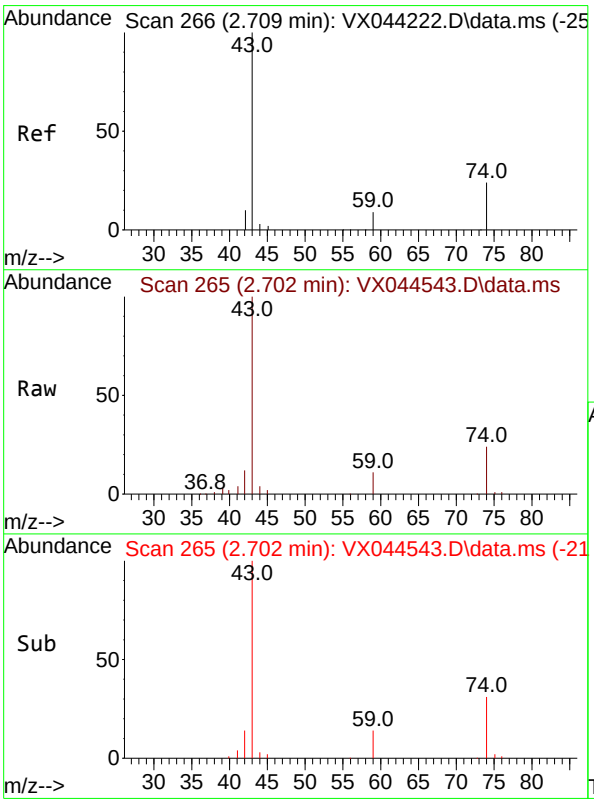
#17
Carbon Disulfide
Concen: 14.706 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 76 Resp: 48174

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

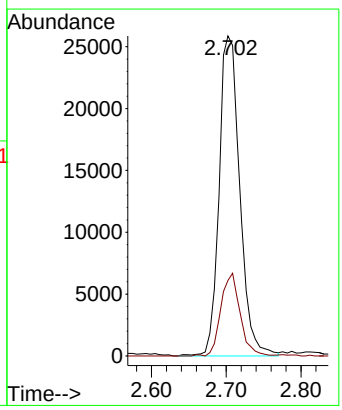


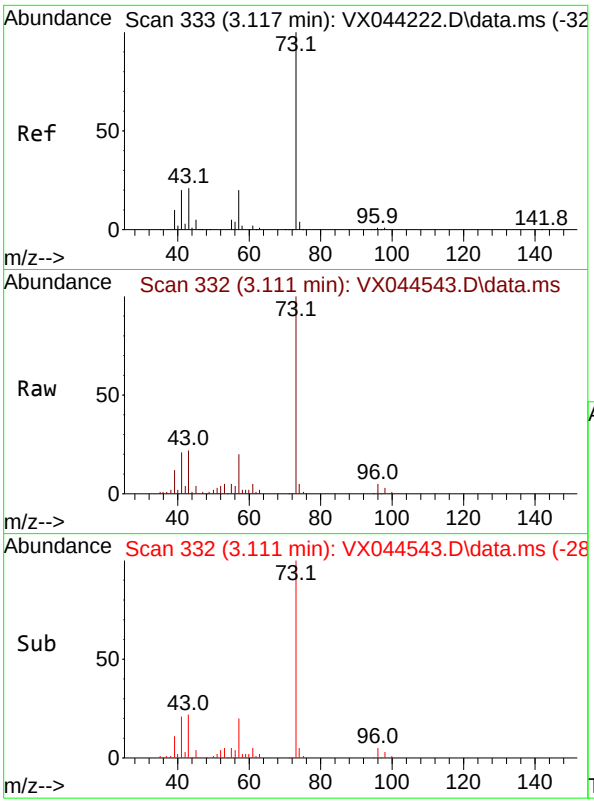


#18
Methyl Acetate
Concen: 17.576 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 43 Resp: 49803

Ion	Ratio	Lower	Upper
43	100		
74	24.1	17.7	26.5



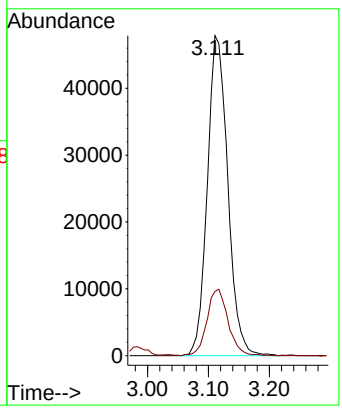


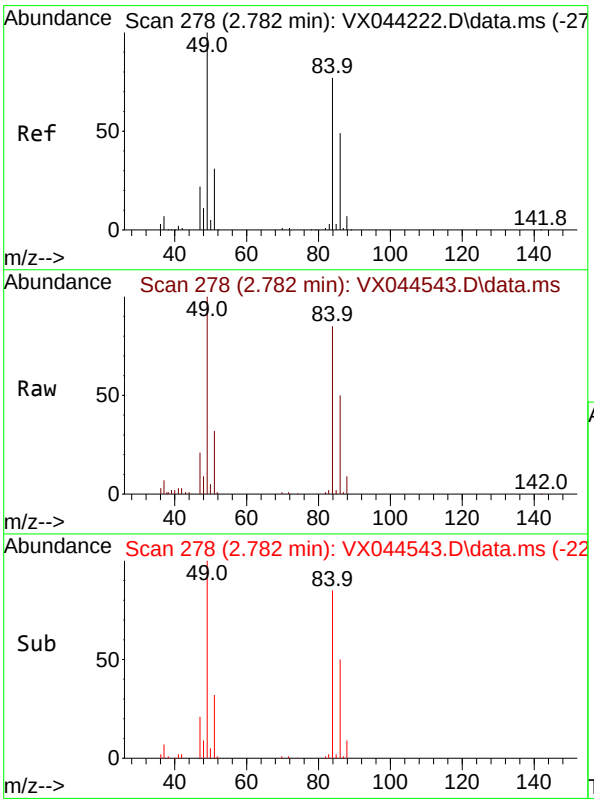
#19
Methyl tert-butyl Ether
Concen: 16.611 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 73 Resp: 111711

Ion	Ratio	Lower	Upper
73	100		
57	20.1	16.2	24.4

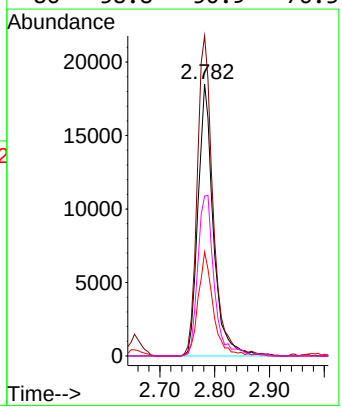


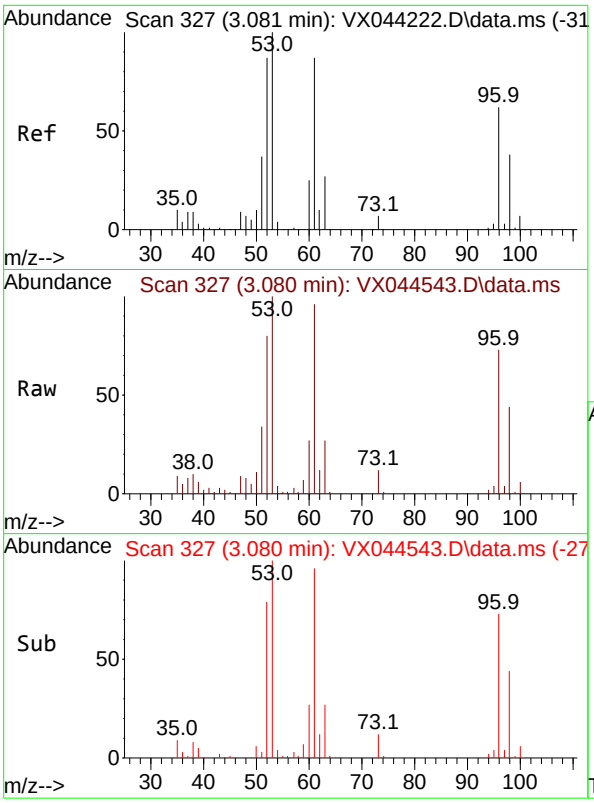


#20
Methylene Chloride
Concen: 17.421 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 84 Resp: 35960

Ion	Ratio	Lower	Upper
84	100		
49	117.6	104.2	156.4
51	38.2	32.2	48.4
86	58.8	50.9	76.3



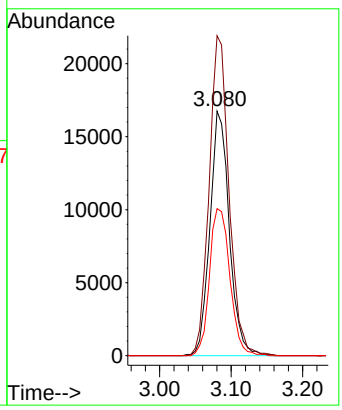


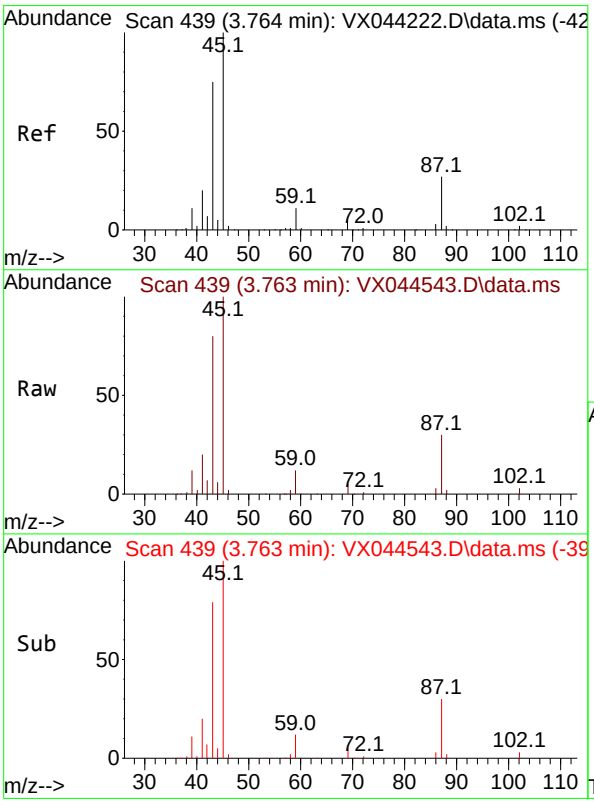
#21
trans-1,2-Dichloroethene
Concen: 17.229 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 96 Resp: 31555

Ion	Ratio	Lower	Upper
96	100		
61	130.9	112.0	168.0
98	60.2	48.8	73.2

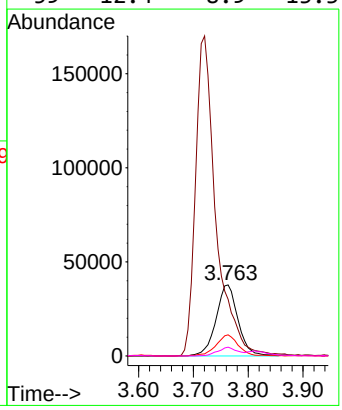


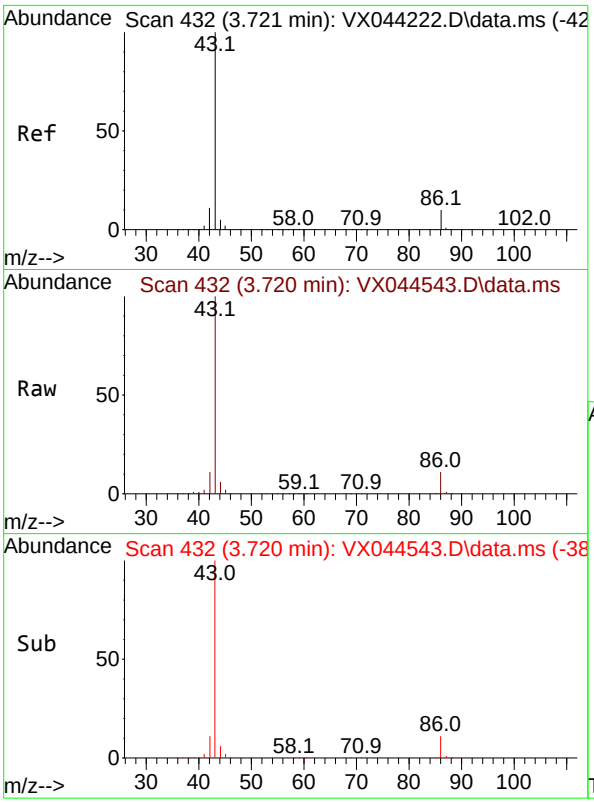


#22
Diisopropyl ether
Concen: 16.268 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 45 Resp: 105148

Ion	Ratio	Lower	Upper
45	100		
43	79.4	60.2	90.2
87	29.8	21.2	31.8
59	12.4	8.9	13.3



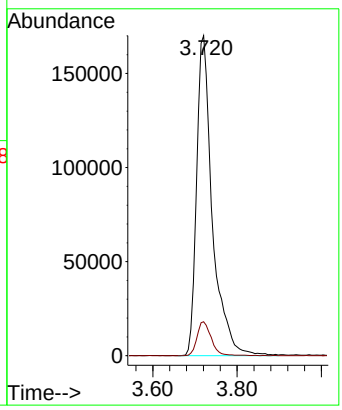


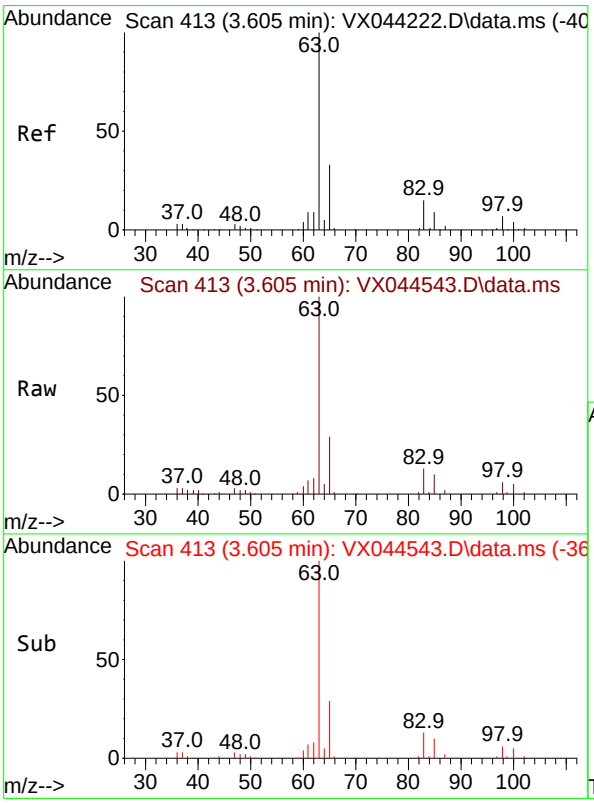
#23
Vinyl Acetate
Concen: 84.386 ug/l
RT: 3.720 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 43 Resp: 443441

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.2	12.2

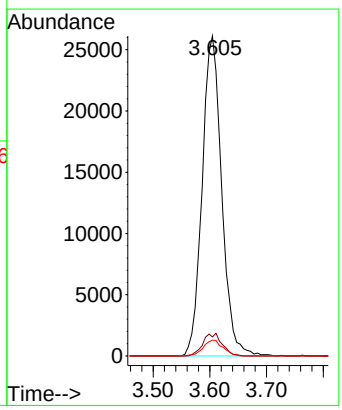


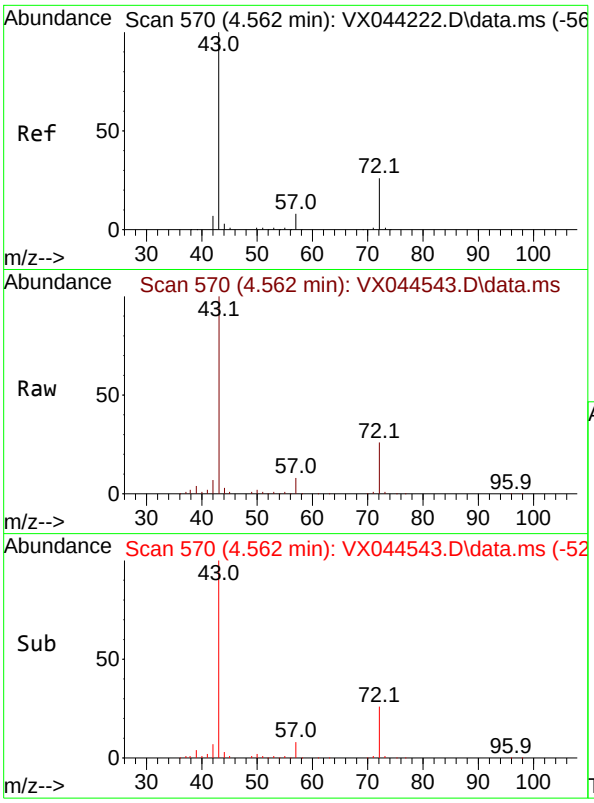


#24
1,1-Dichloroethane
Concen: 17.362 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 63 Resp: 62553

Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.6	10.8
100	4.9	2.1	6.3



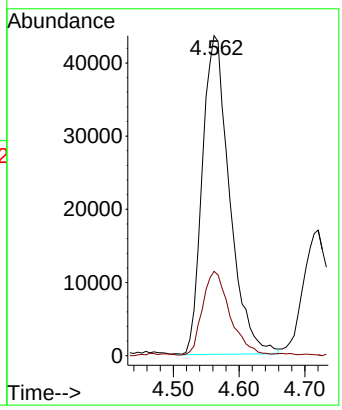


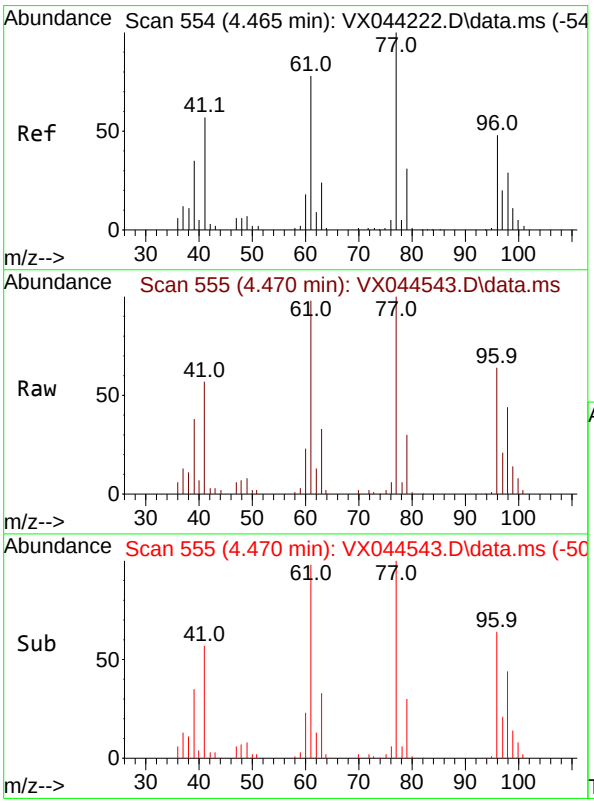
#25
2-Butanone
Concen: 80.280 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 43 Resp: 125426

Ion	Ratio	Lower	Upper
43	100		
72	26.3	20.2	30.4

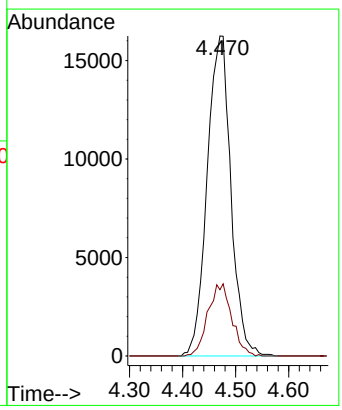


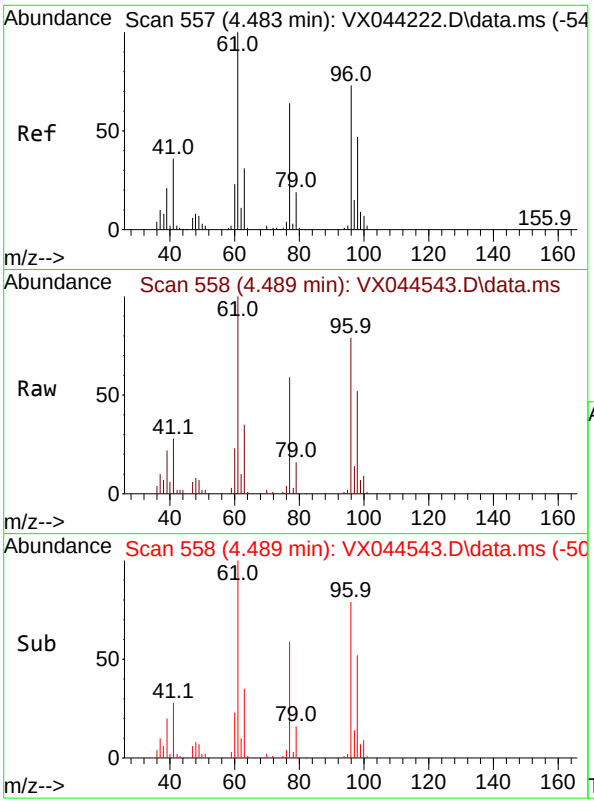


#26
2,2-Dichloropropane
Concen: 17.223 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 77 Resp: 50413

Ion	Ratio	Lower	Upper
77	100		
97	22.7	10.7	32.1



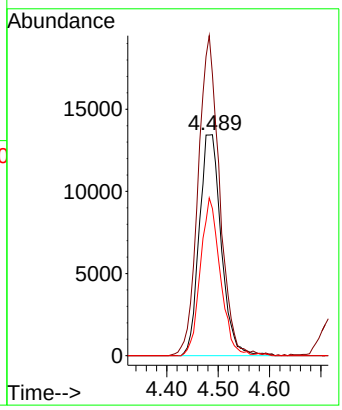


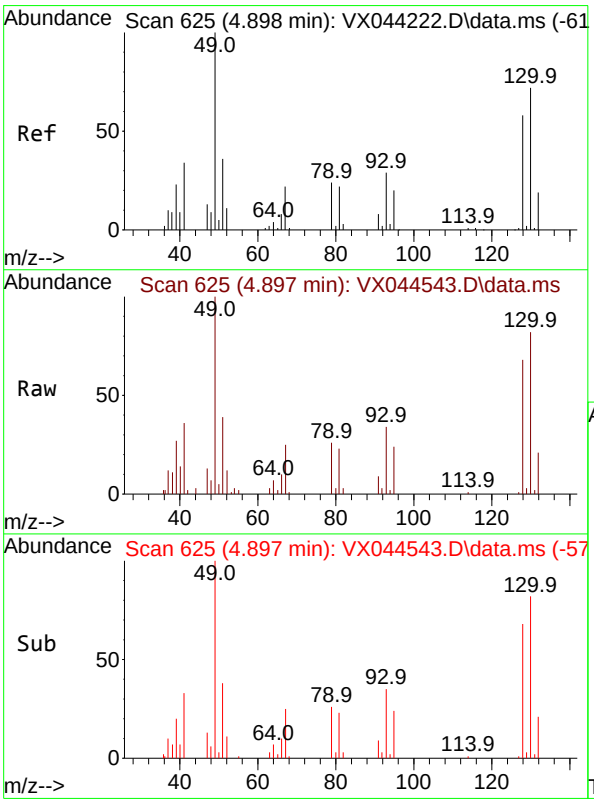
#27
cis-1,2-Dichloroethene
Concen: 17.170 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 96 Resp: 39939

Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	299.0
98	64.5	0.0	129.0

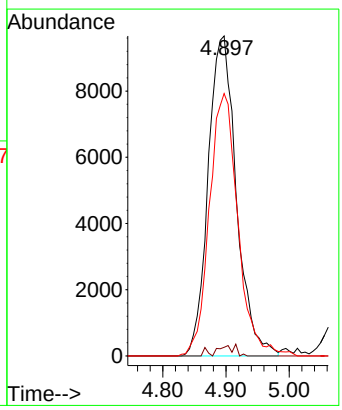


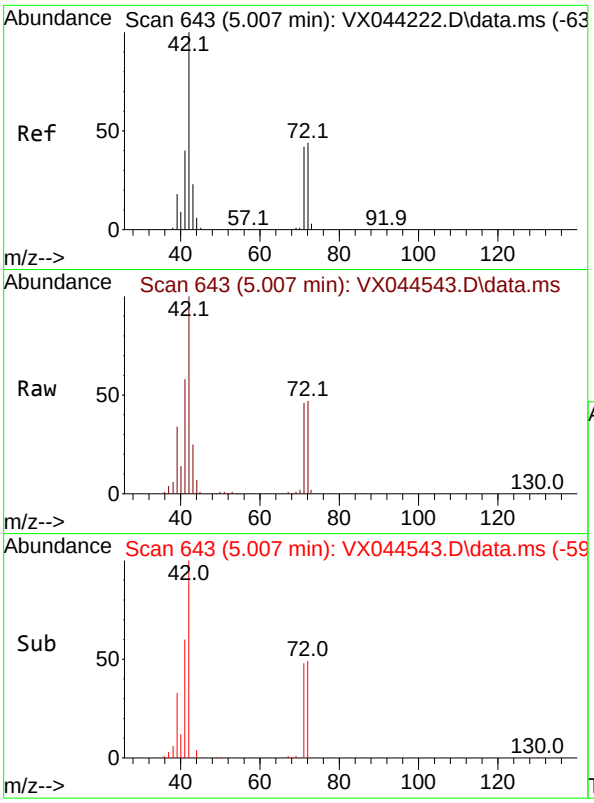


#28
Bromochloromethane
Concen: 16.932 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 49 Resp: 29914

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	83.0	62.1	93.1



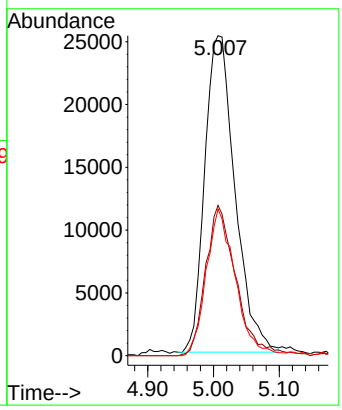


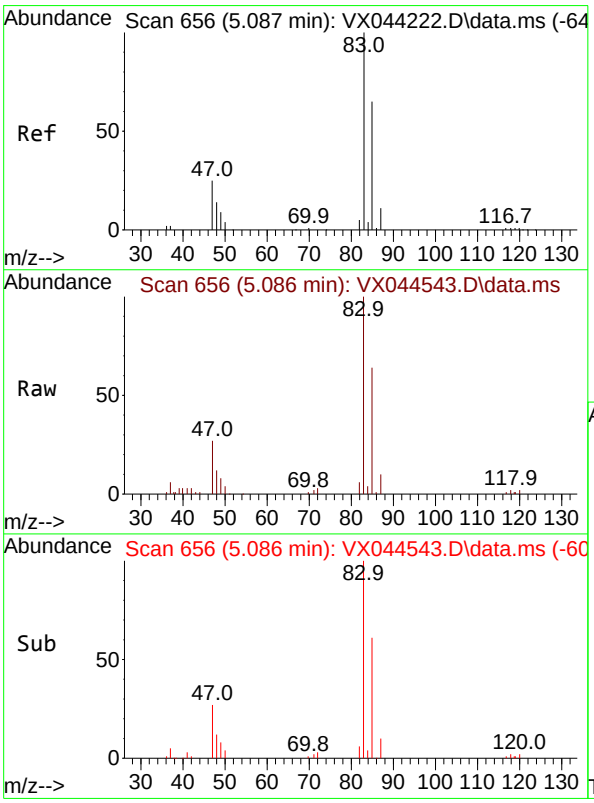
#29
Tetrahydrofuran
Concen: 80.443 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 42 Resp: 80671

Ion	Ratio	Lower	Upper
42	100		
72	47.7	37.0	55.6
71	44.5	33.6	50.4

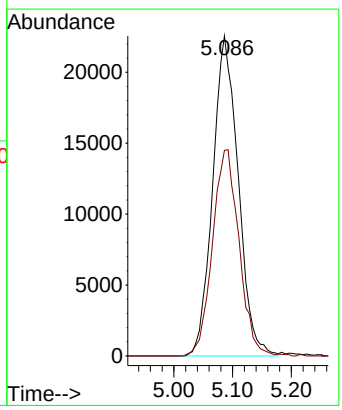


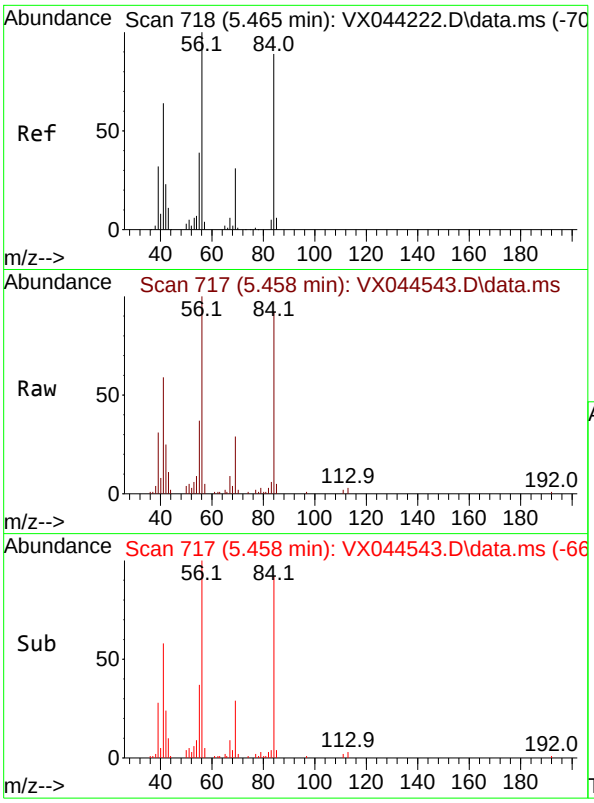


#30
Chloroform
Concen: 16.810 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 83 Resp: 68047

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.6	77.4



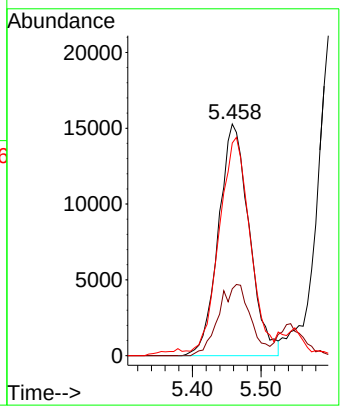


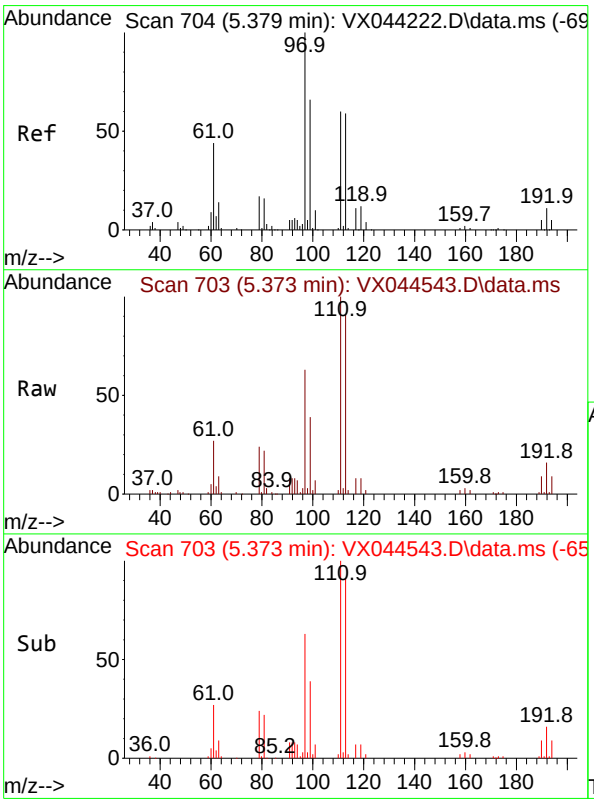
#31
Cyclohexane
Concen: 16.355 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 56 Resp: 47583

Ion	Ratio	Lower	Upper
56	100		
69	28.8	24.7	37.1
84	88.8	71.0	106.6

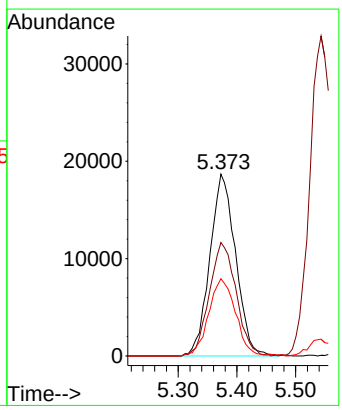


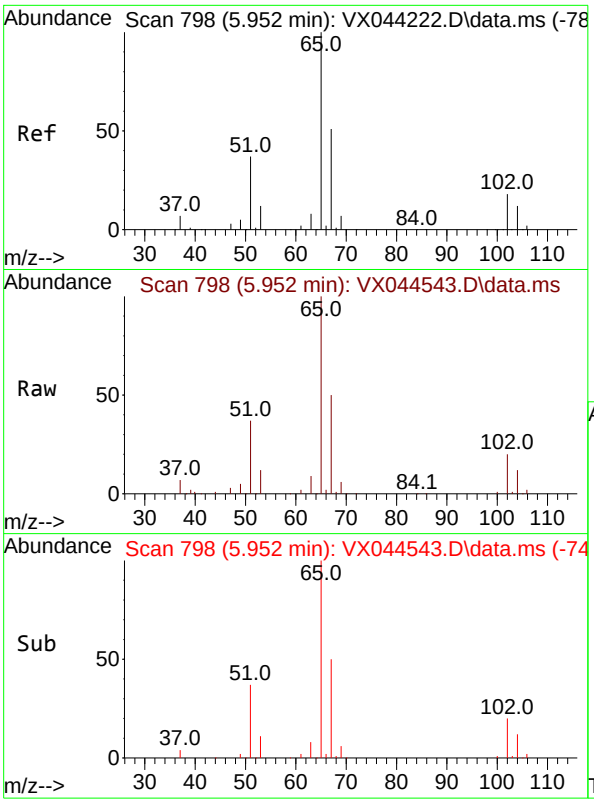


#32
1,1,1-Trichloroethane
Concen: 16.931 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 97 Resp: 56892

Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.8	76.2
61	44.0	35.2	52.8



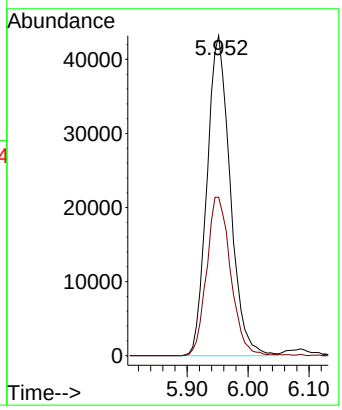


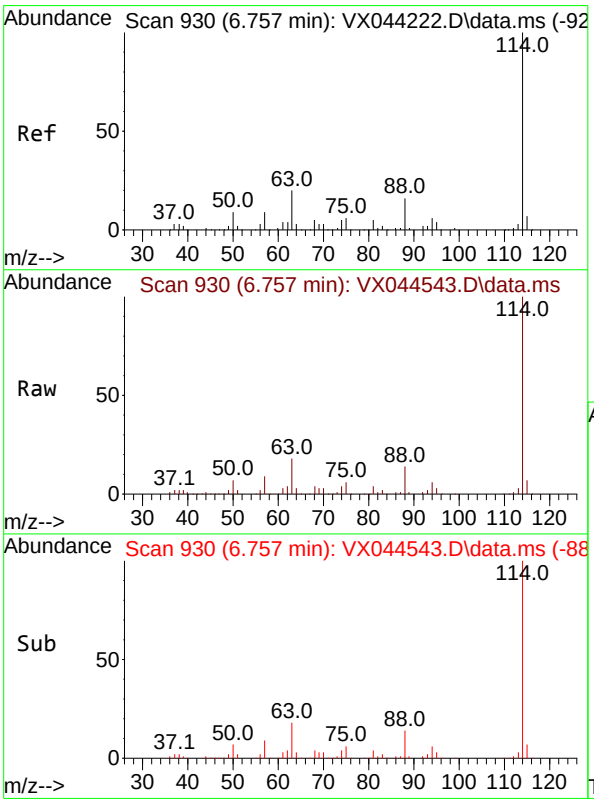
#33
1,2-Dichloroethane-d4
Concen: 42.406 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 65 Resp: 114312

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	101.6

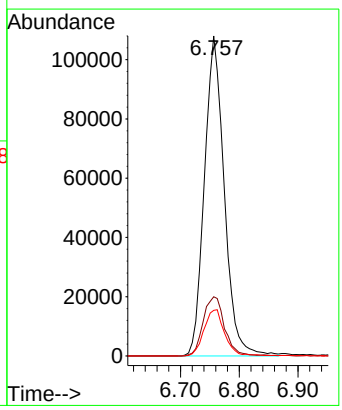


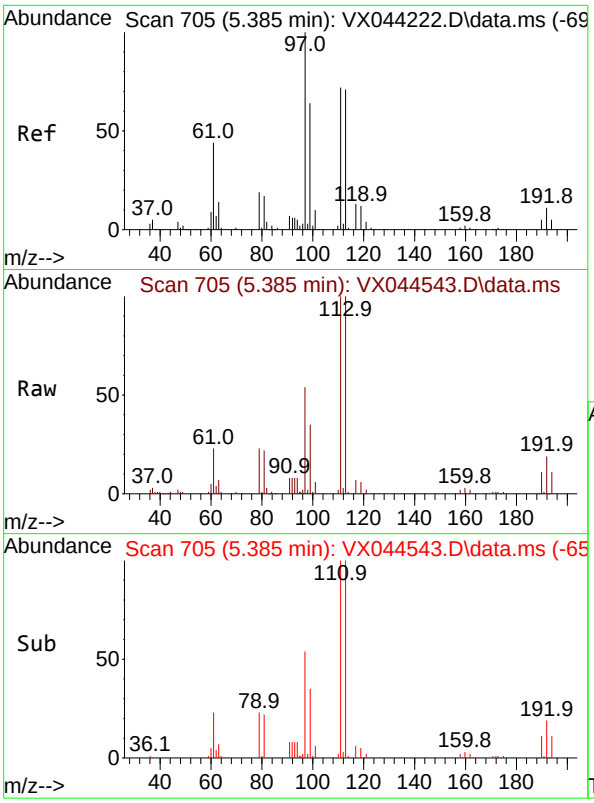


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:114 Resp: 254154

Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	40.6
88	14.2	0.0	31.8



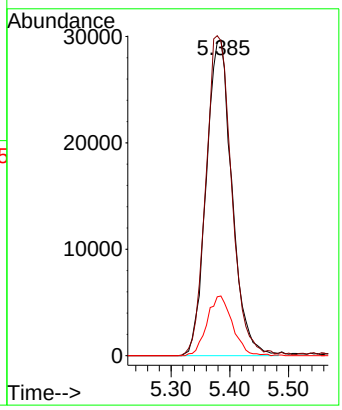


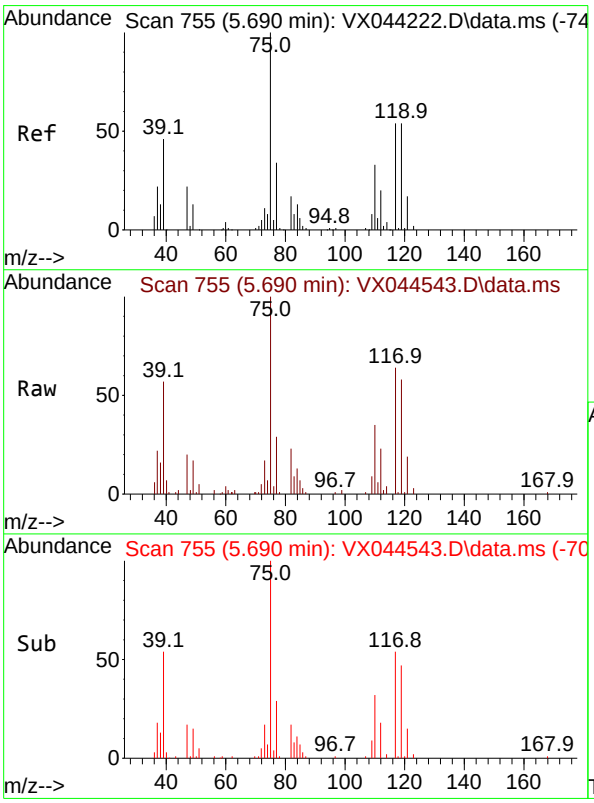
#35
Dibromofluoromethane
Concen: 51.151 ug/l
RT: 5.385 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion:113 Resp: 90038

Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.4	120.6
192	18.7	13.3	19.9

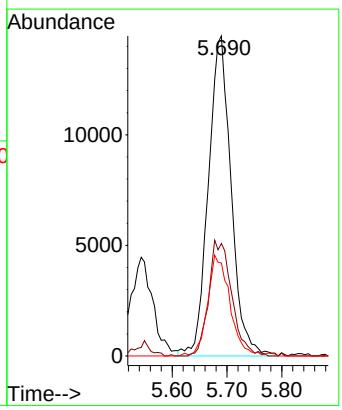


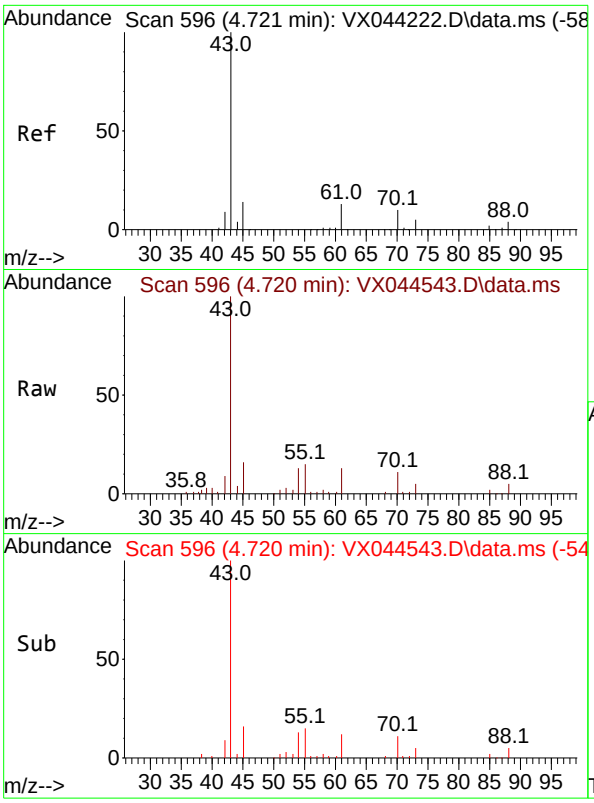


#36
1,1-Dichloropropene
Concen: 18.376 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 75 Resp: 41811

Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.3	51.7
77	30.6	25.4	38.0



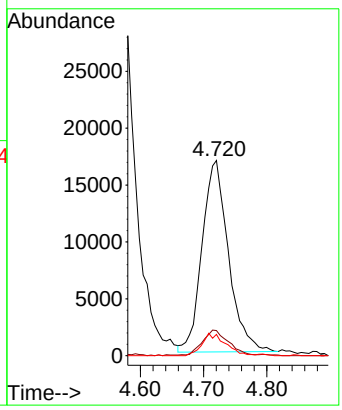


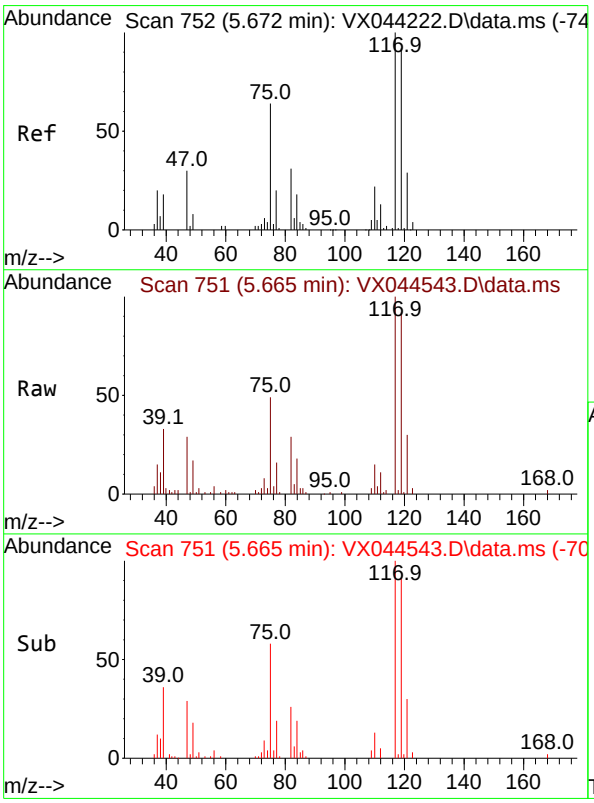
#37
Ethyl Acetate
Concen: 17.387 ug/l
RT: 4.720 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 43 Resp: 48902

Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.8	14.8
70	10.4	7.7	11.5

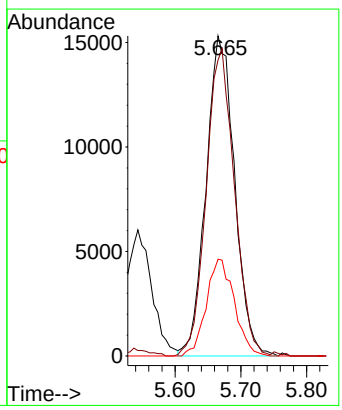


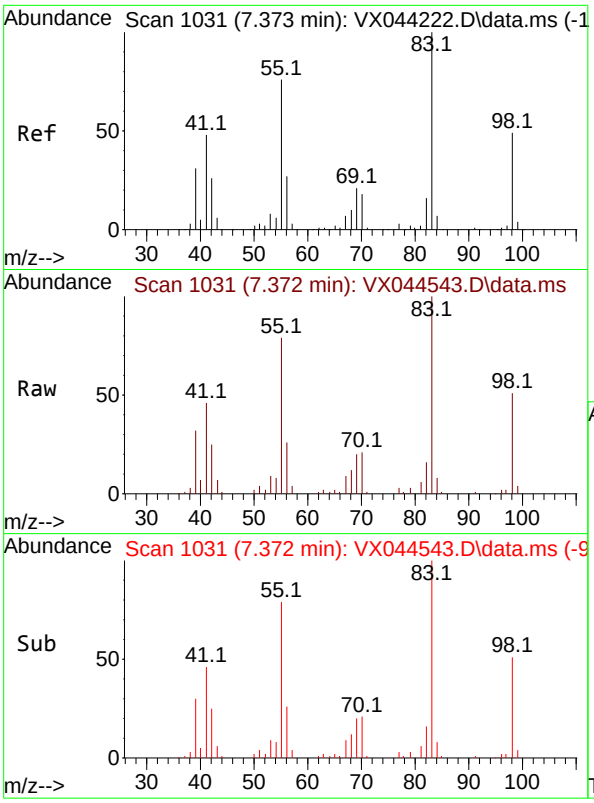


#38
Carbon Tetrachloride
Concen: 18.916 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:117 Resp: 46337

Ion	Ratio	Lower	Upper
117	100		
119	92.0	74.2	111.4
121	30.2	23.0	34.6



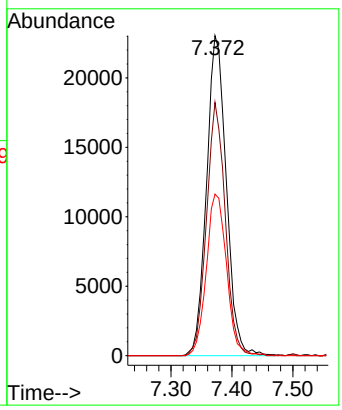


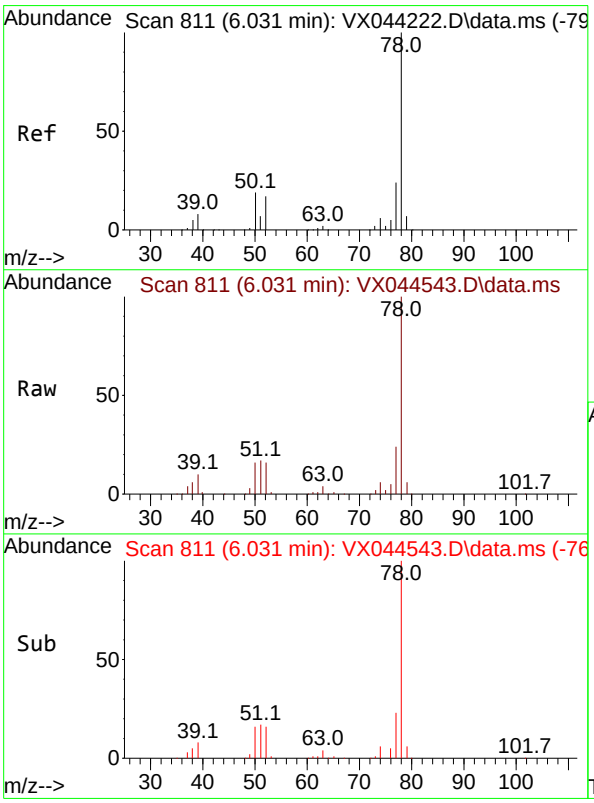
#39
Methylcyclohexane
Concen: 19.124 ug/l
RT: 7.372 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 83 Resp: 52019

Ion	Ratio	Lower	Upper
83	100		
55	79.2	60.7	91.1
98	50.5	38.9	58.3

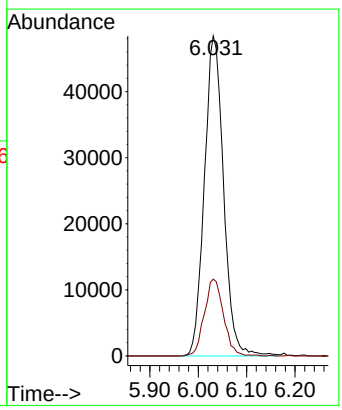


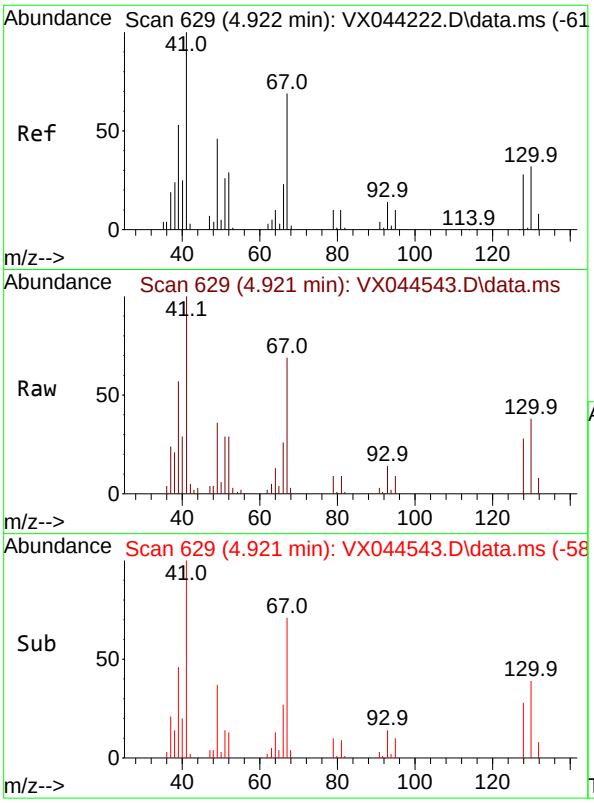


#40
Benzene
Concen: 19.310 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 78 Resp: 133403

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9



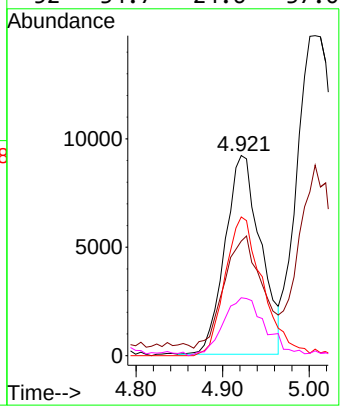


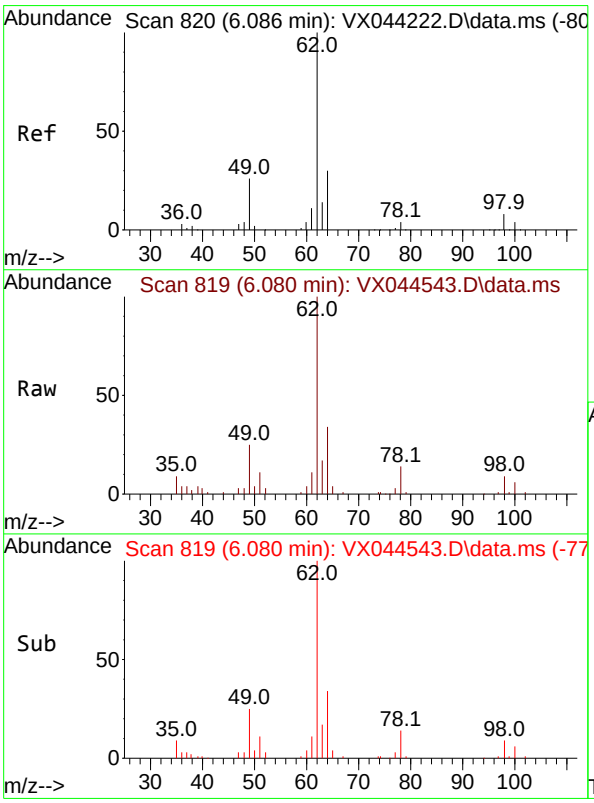
#41
Methacrylonitrile
Concen: 17.547 ug/l
RT: 4.921 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 41 Resp: 26206

Ion	Ratio	Lower	Upper
41	100		
39	59.9	44.2	66.4
67	73.7	57.2	85.8
52	34.7	24.6	37.0

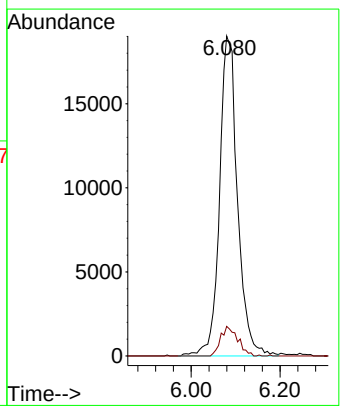


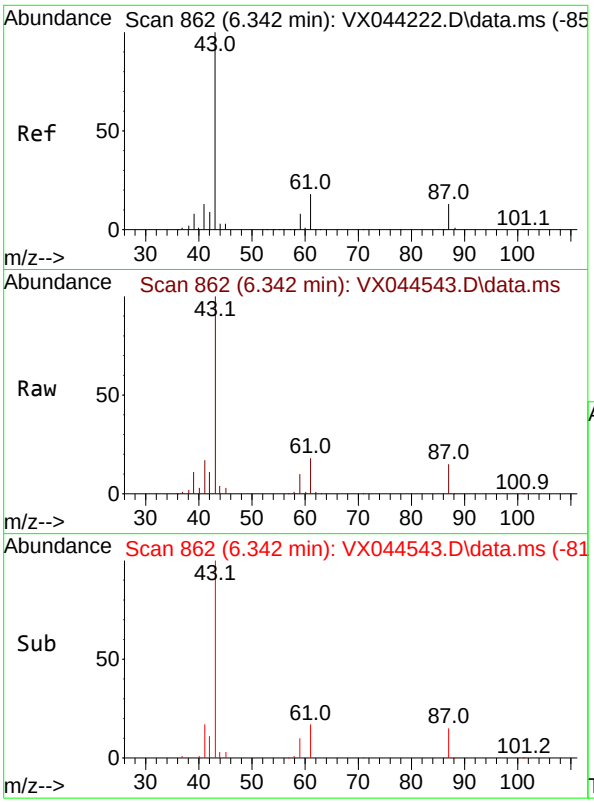


#42
1,2-Dichloroethane
Concen: 18.732 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 62 Resp: 53308

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	15.8



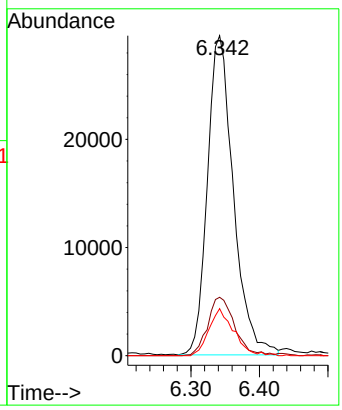


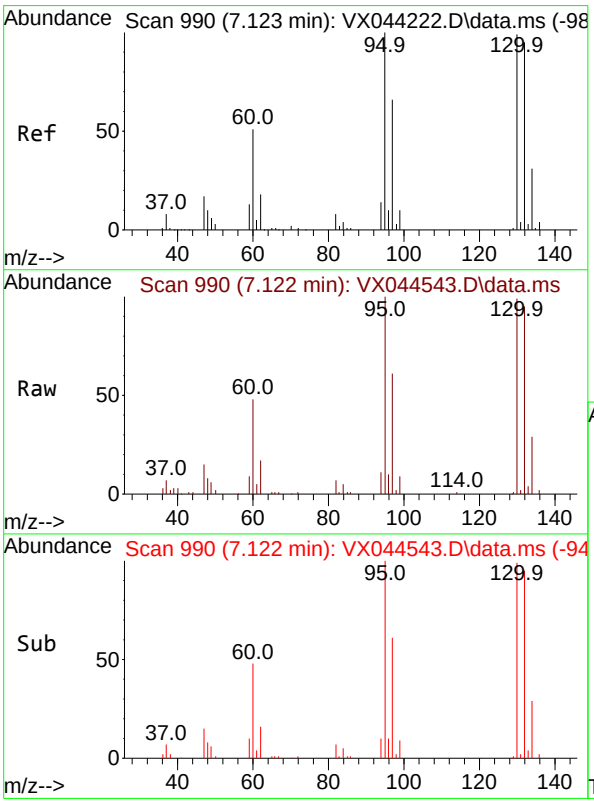
#43
Isopropyl Acetate
Concen: 17.679 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 43 Resp: 77717

Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.2	21.2
87	14.1	10.2	15.2

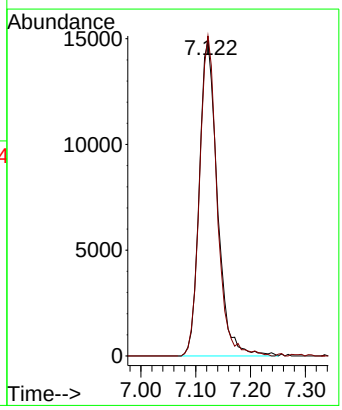


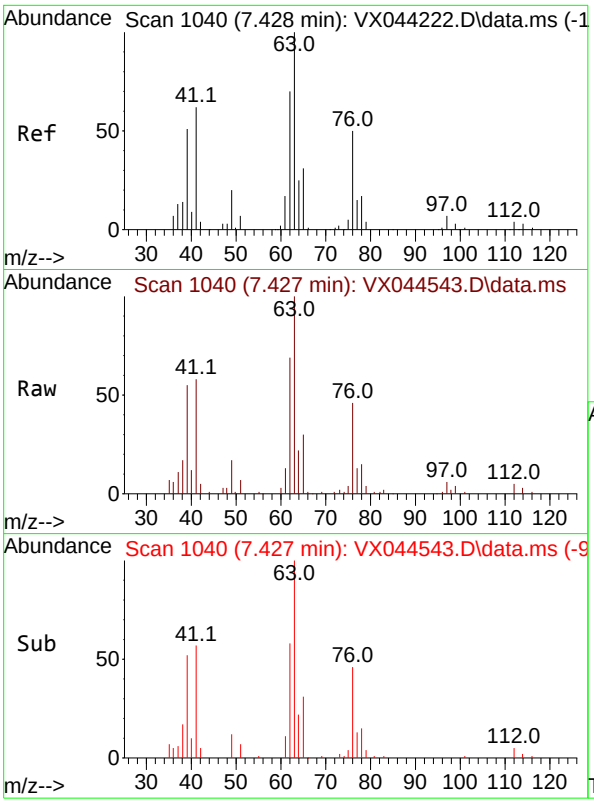


#44
Trichloroethene
Concen: 19.862 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:130 Resp: 34218

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	201.4



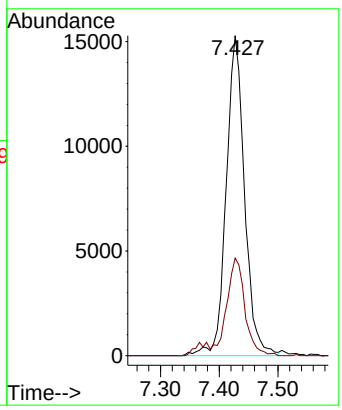


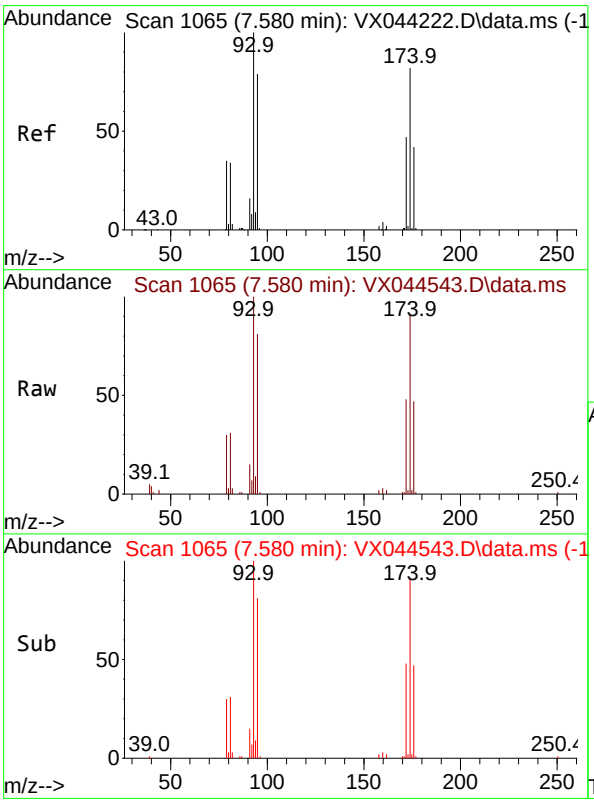
#45
1,2-Dichloropropane
Concen: 18.843 ug/l
RT: 7.427 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 63 Resp: 33258

Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.6	37.0

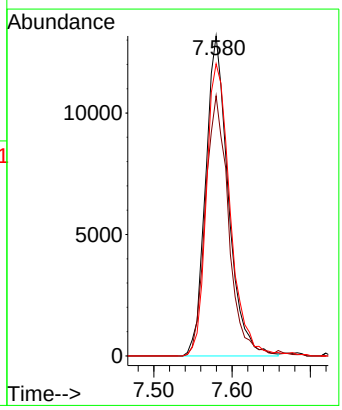


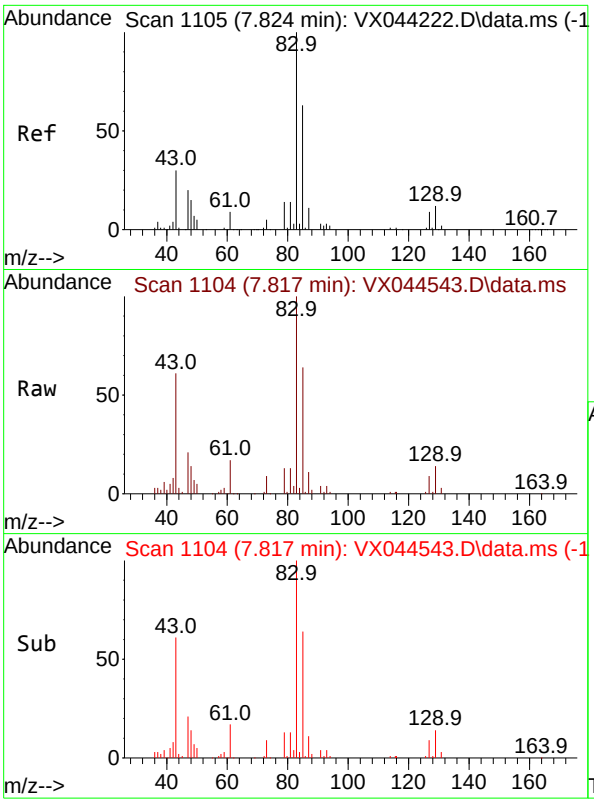


#46
Dibromomethane
Concen: 19.331 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 93 Resp: 26469

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.4	98.2
174	96.4	67.9	101.9



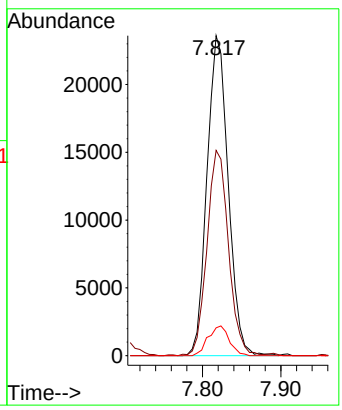


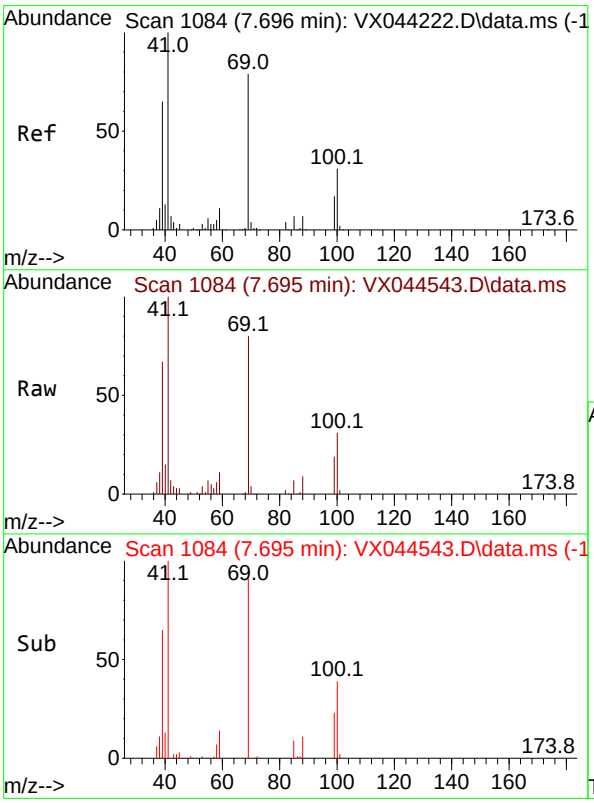
#47
Bromodichloromethane
Concen: 18.736 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 83 Resp: 44308

Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.6	75.8
127	8.7	7.3	10.9

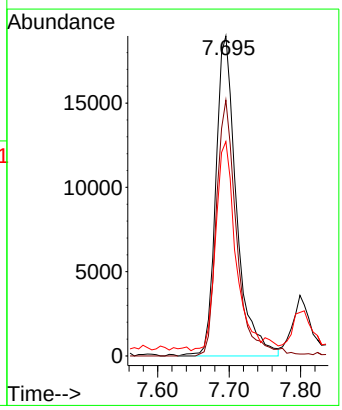


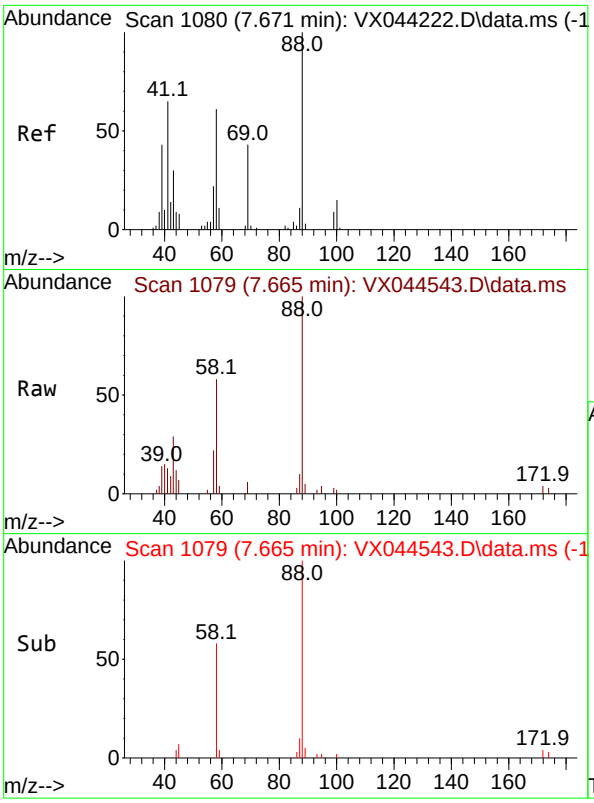


#48
Methyl methacrylate
Concen: 17.845 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 41 Resp: 38081

Ion	Ratio	Lower	Upper
41	100		
69	78.5	62.4	93.6
39	64.7	53.3	79.9



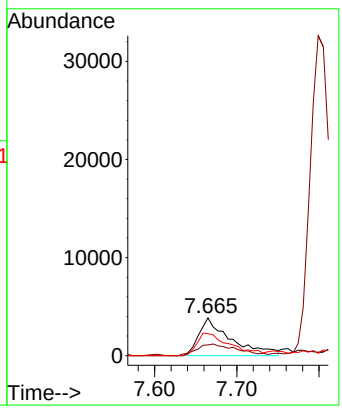


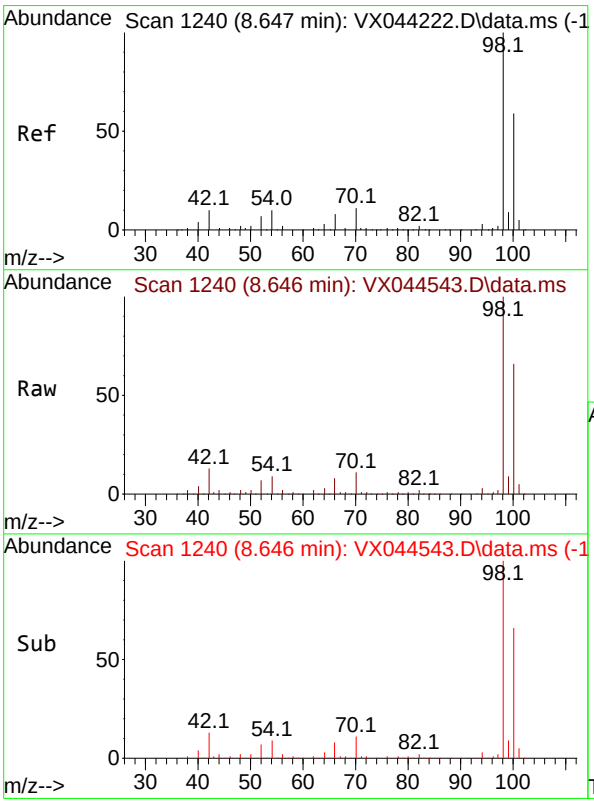
#49
1,4-Dioxane
Concen: 295.105 ug/l
RT: 7.665 min Scan# 1(
Delta R.T. -0.007 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 88 Resp: 10441

Ion	Ratio	Lower	Upper
88	100		
43	38.3	27.1	40.7
58	61.2	41.0	61.4

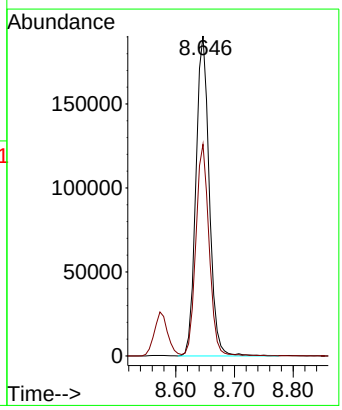


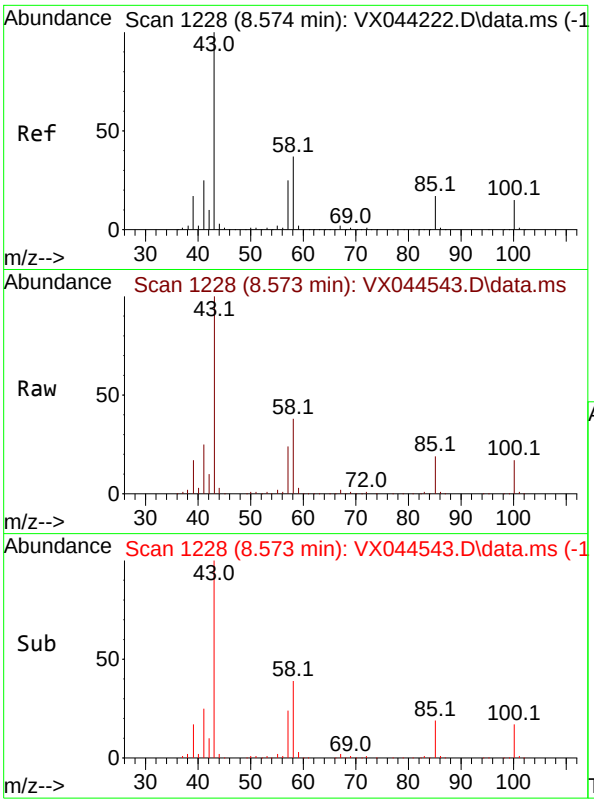


#50
Toluene-d8
Concen: 50.713 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 98 Resp: 301165

Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.5	77.3



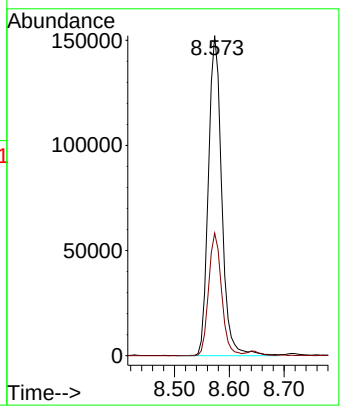


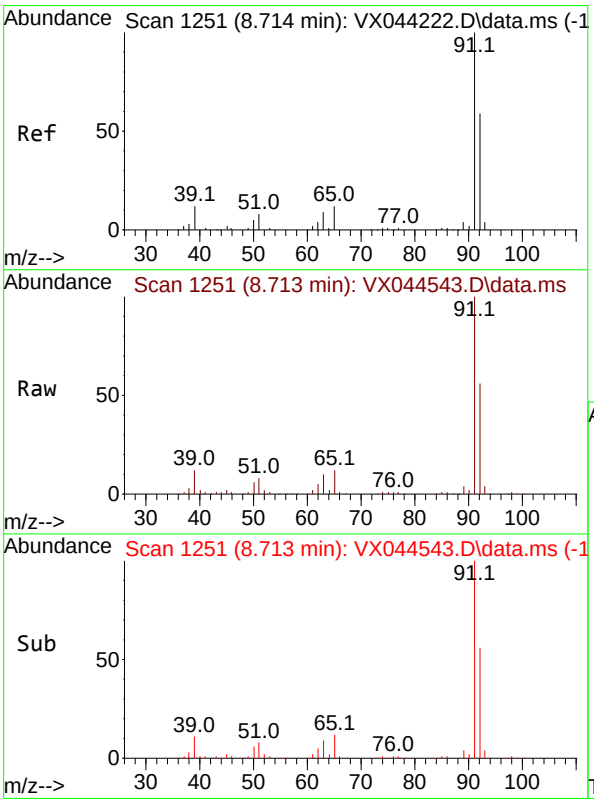
#51
4-Methyl-2-Pentanone
Concen: 90.739 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 43 Resp: 256481

Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.4	44.0

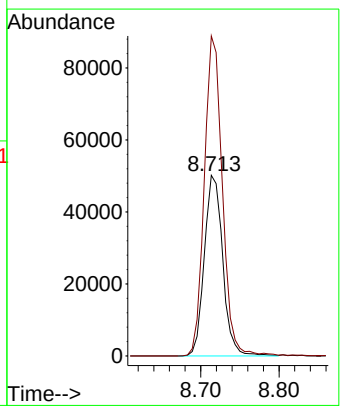


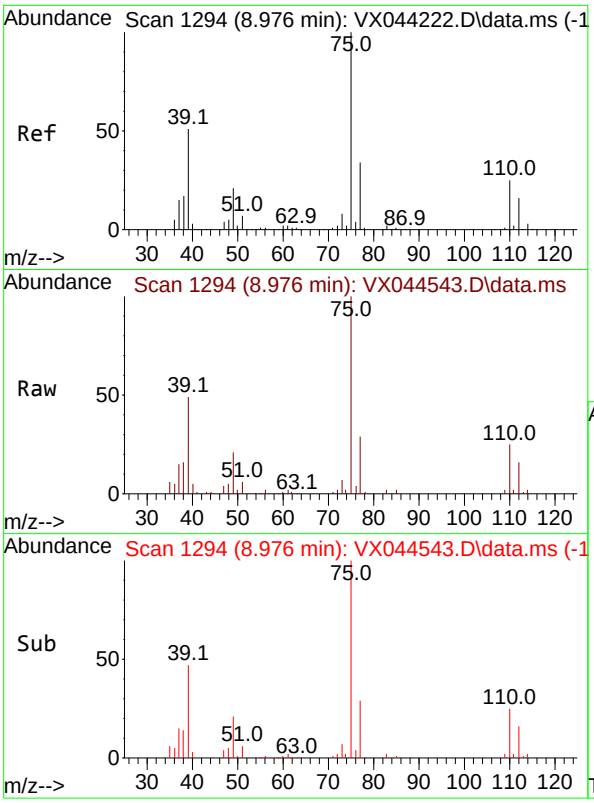


#52
Toluene
Concen: 18.868 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 92 Resp: 81853

Ion	Ratio	Lower	Upper
92	100		
91	173.8	137.0	205.6



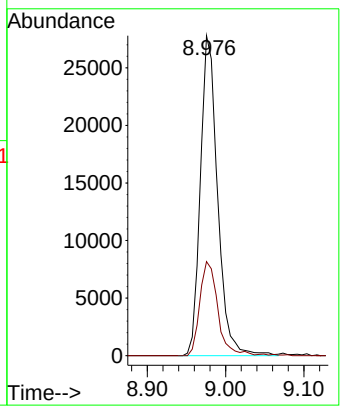


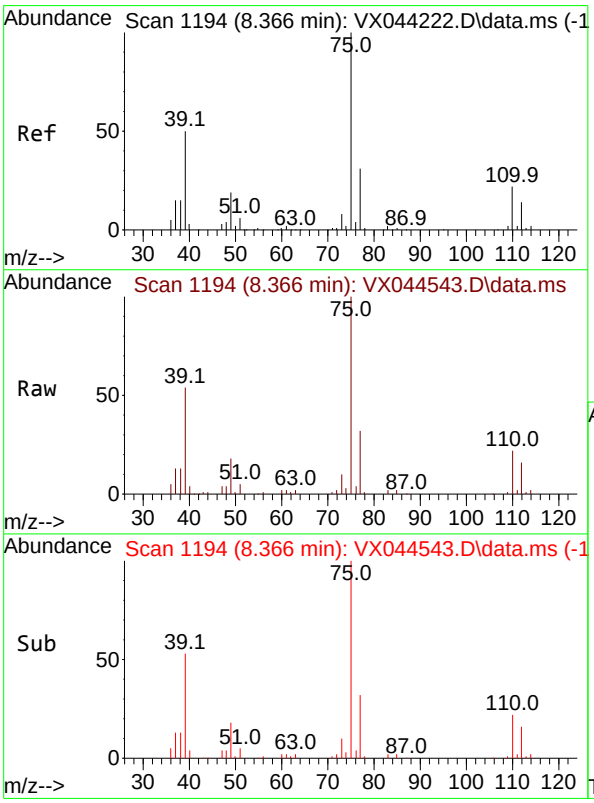
#53
t-1,3-Dichloropropene
Concen: 17.946 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 75 Resp: 42464

Ion	Ratio	Lower	Upper
75	100		
77	29.4	27.2	40.8

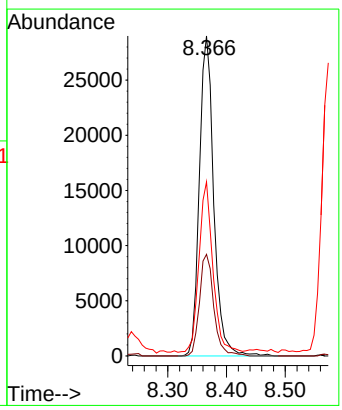


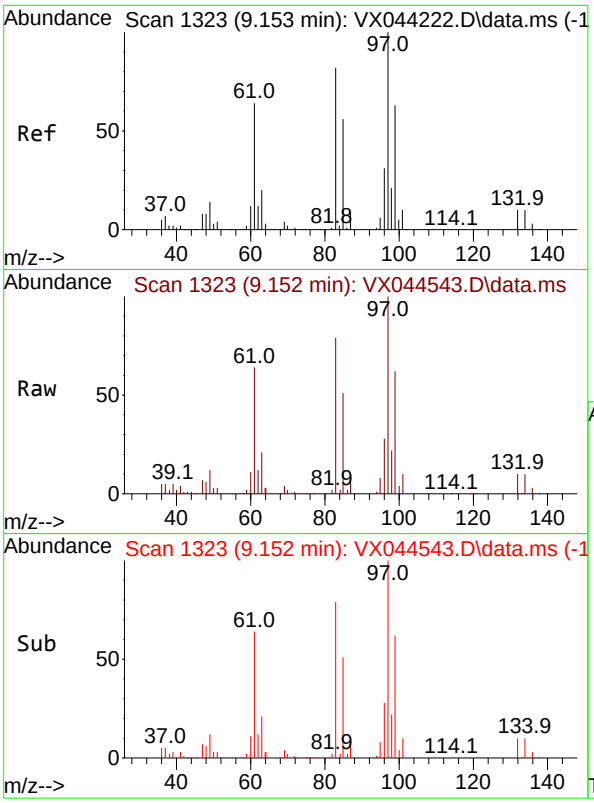


#54
cis-1,3-Dichloropropene
Concen: 19.180 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 75 Resp: 49386

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.7	37.1
39	53.3	40.3	60.5



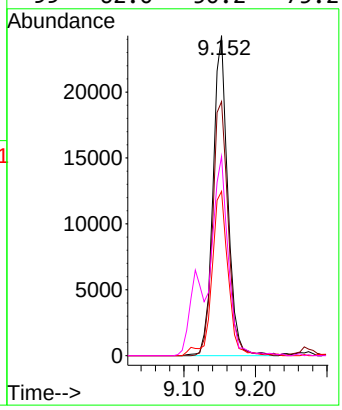


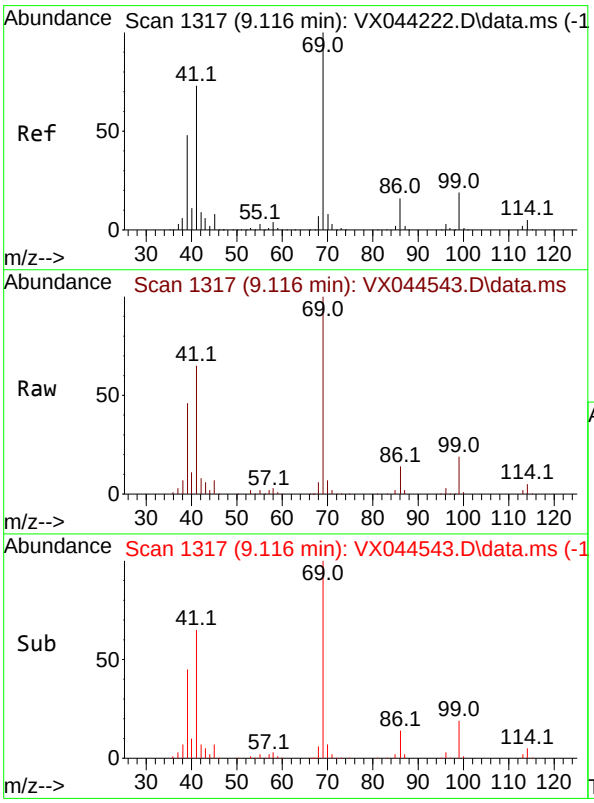
#55
1,1,2-Trichloroethane
Concen: 20.166 ug/l
RT: 9.152 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 97 Resp: 34756

Ion	Ratio	Lower	Upper
97	100		
83	79.4	65.3	97.9
85	51.4	44.6	67.0
99	62.0	50.2	75.2

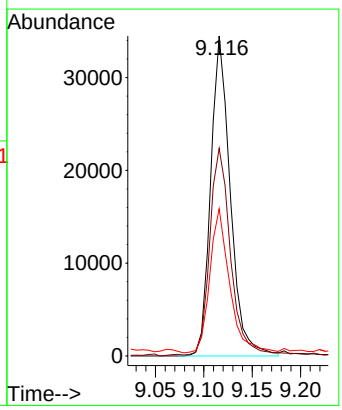


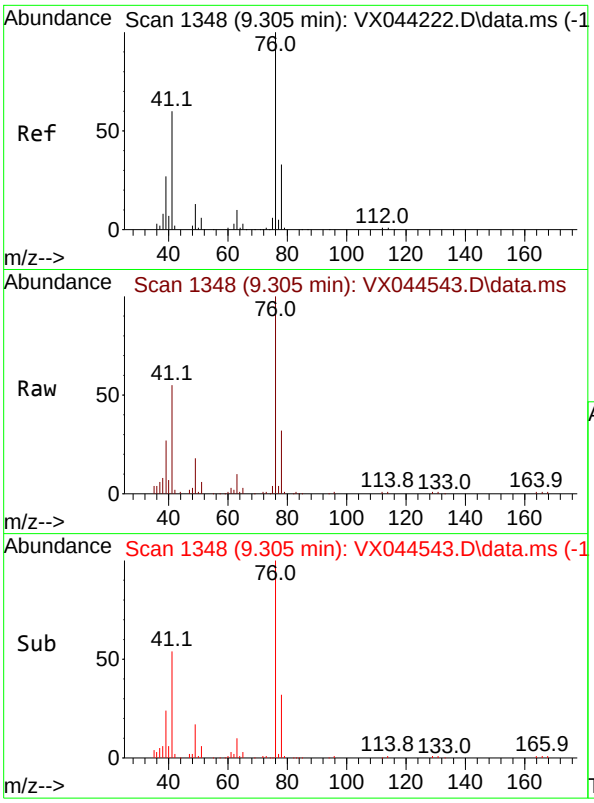


#56
Ethyl methacrylate
Concen: 17.884 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 69 Resp: 48658

Ion	Ratio	Lower	Upper
69	100		
41	70.2	56.6	85.0
39	45.6	37.4	56.0



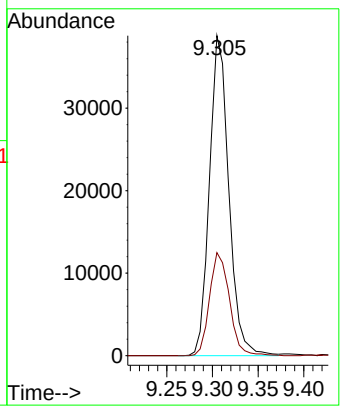


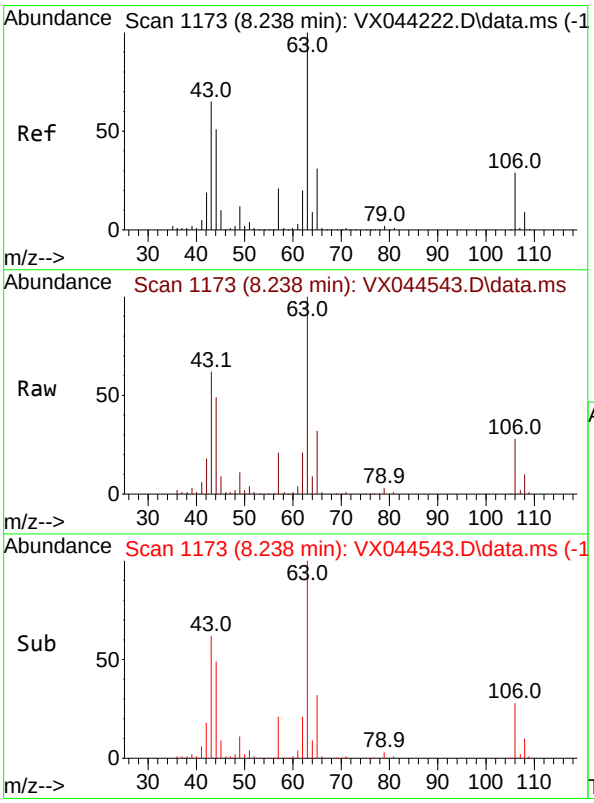
#57
1,3-Dichloropropane
Concen: 19.017 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 76 Resp: 57049

Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.5	39.7

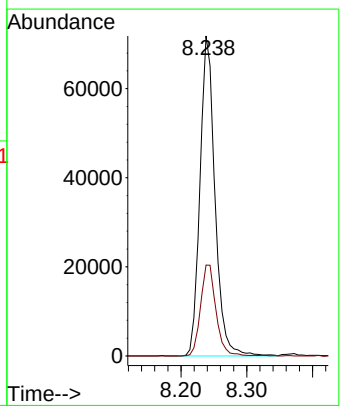


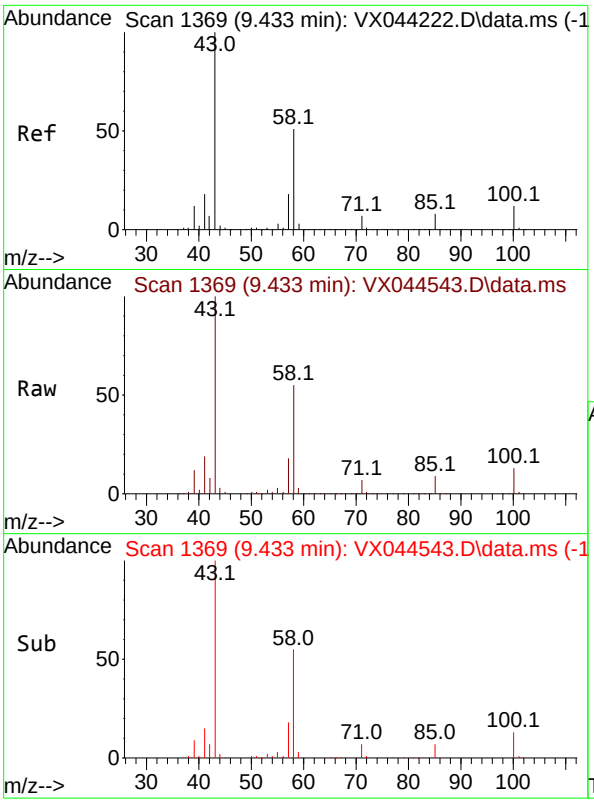


#58
2-Chloroethyl Vinyl ether
Concen: 82.945 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 63 Resp: 113825

Ion	Ratio	Lower	Upper
63	100		
106	29.3	22.8	34.2



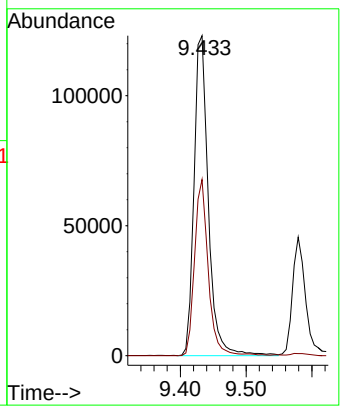


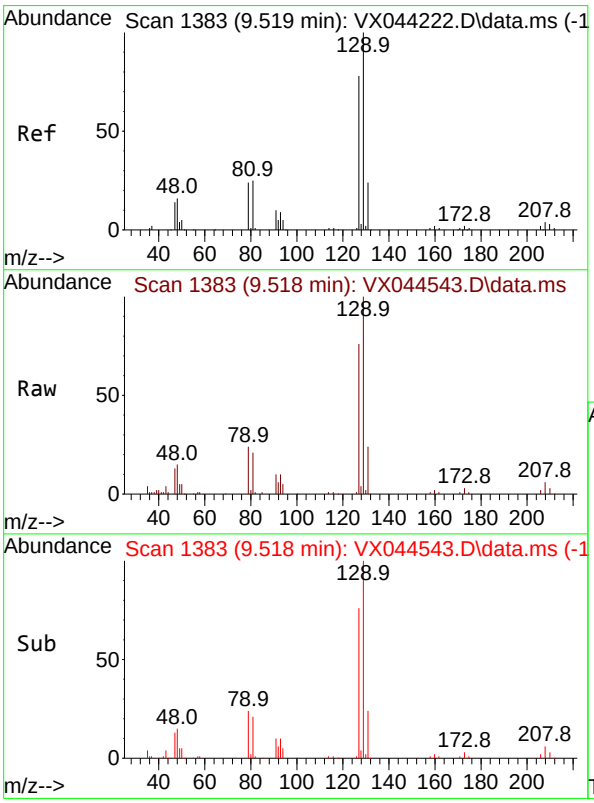
#59
2-Hexanone
Concen: 90.950 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 43 Resp: 186080

Ion	Ratio	Lower	Upper
43	100		
58	52.7	25.7	77.0

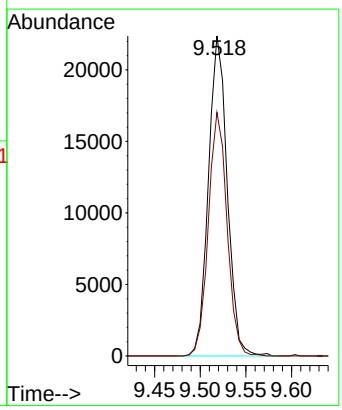


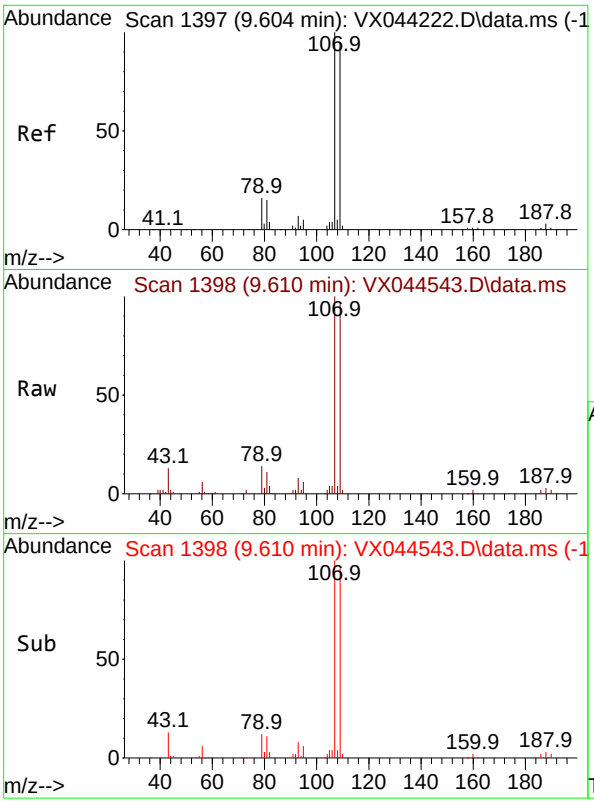


#60
Dibromochloromethane
Concen: 18.797 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:129 Resp: 31945

Ion	Ratio	Lower	Upper
129	100		
127	75.7	38.5	115.3



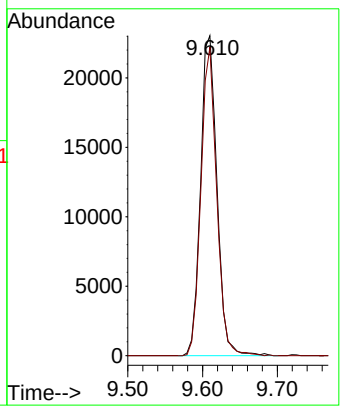


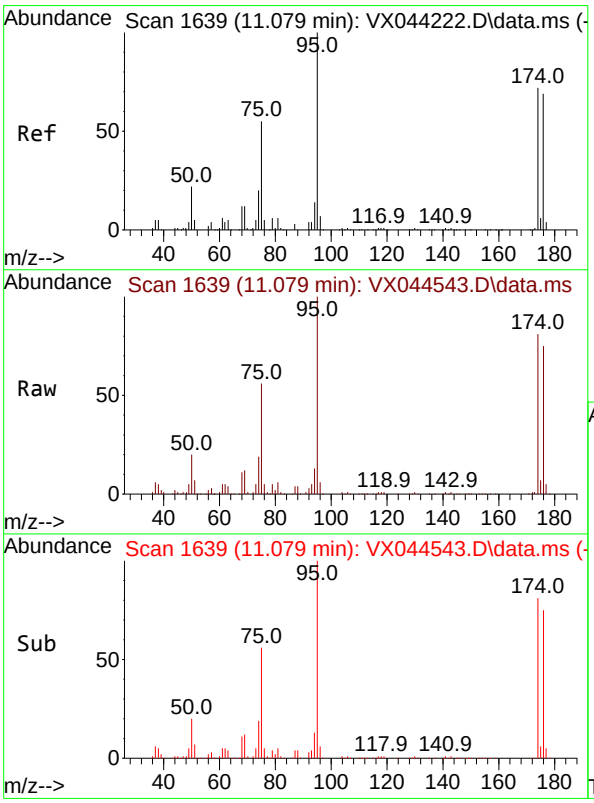
#61
1,2-Dibromoethane
Concen: 19.998 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion:107 Resp: 35083

Ion	Ratio	Lower	Upper
107	100		
109	92.8	77.0	115.4

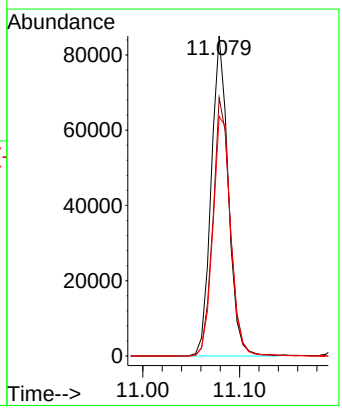


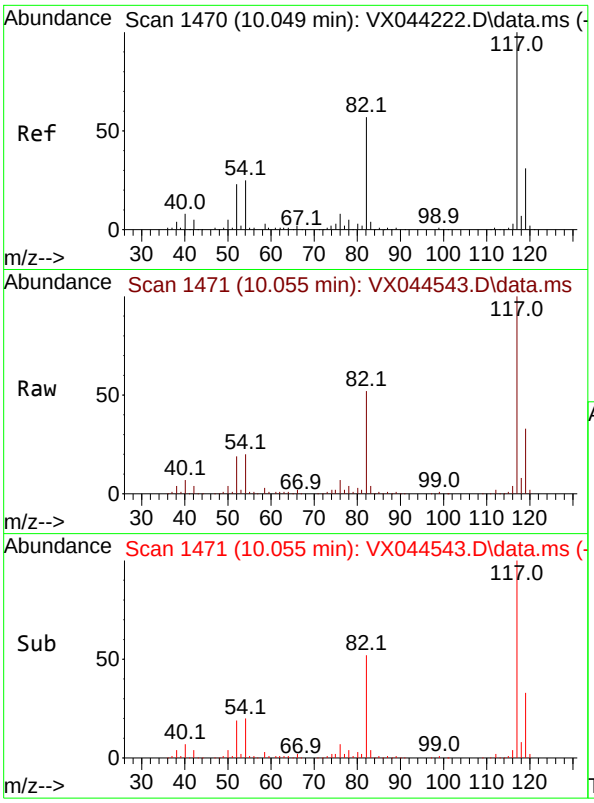


#62
4-Bromofluorobenzene
Concen: 50.111 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 95 Resp: 103985

Ion	Ratio	Lower	Upper
95	100		
174	81.8	0.0	145.8
176	78.6	0.0	137.8



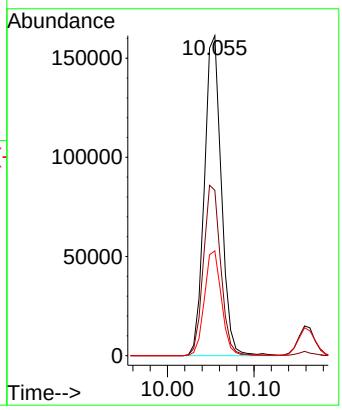


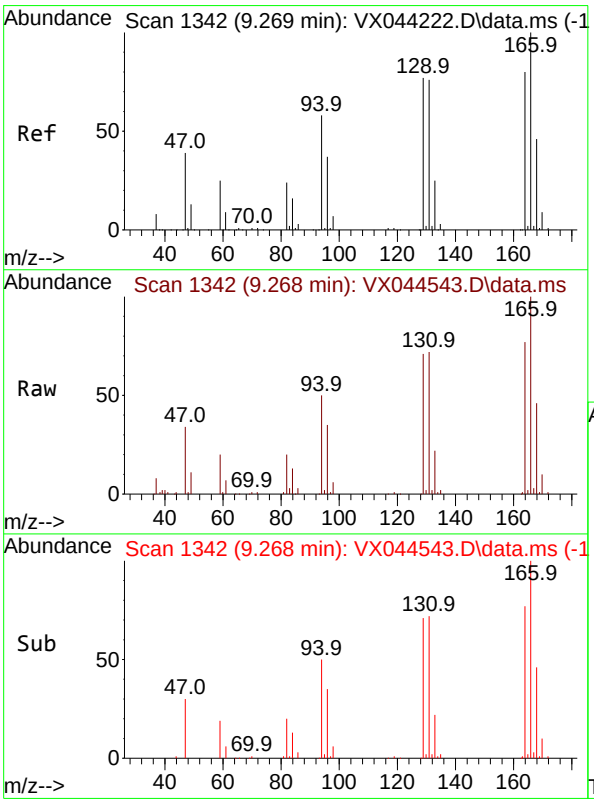
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion:117 Resp: 219785

Ion	Ratio	Lower	Upper
117	100		
82	51.7	45.8	68.8
119	32.7	25.0	37.4

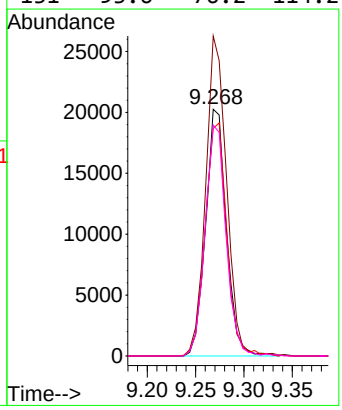


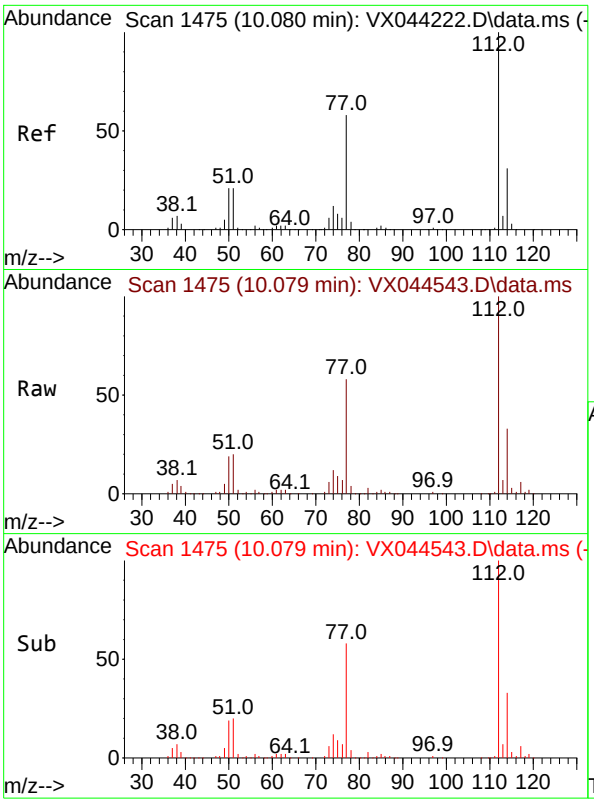


#64
Tetrachloroethene
Concen: 20.671 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:164 Resp: 30154

Ion	Ratio	Lower	Upper
164	100		
166	129.7	100.4	150.6
129	92.2	77.2	115.8
131	93.6	76.2	114.2



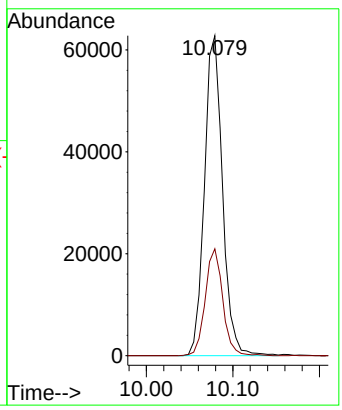


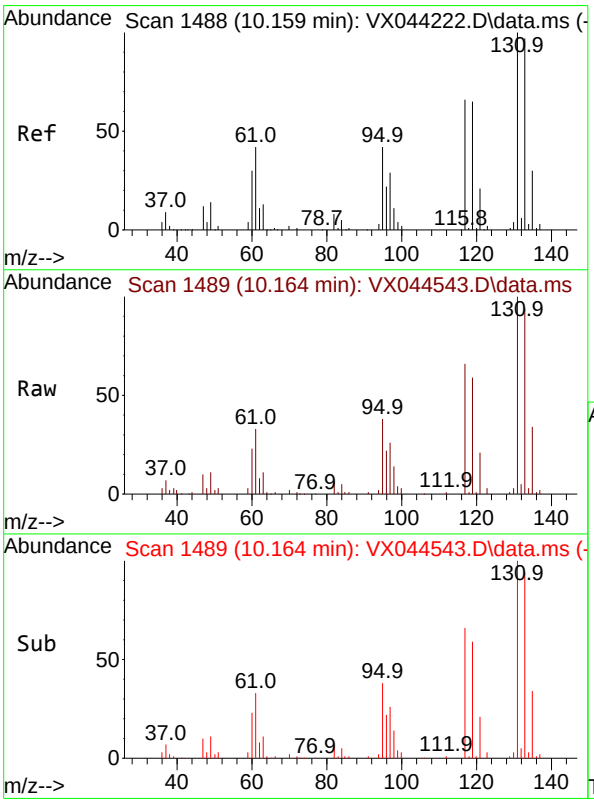
#65
Chlorobenzene
Concen: 19.326 ug/l
RT: 10.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion:112 Resp: 91014

Ion	Ratio	Lower	Upper
112	100		
114	33.4	25.0	37.6

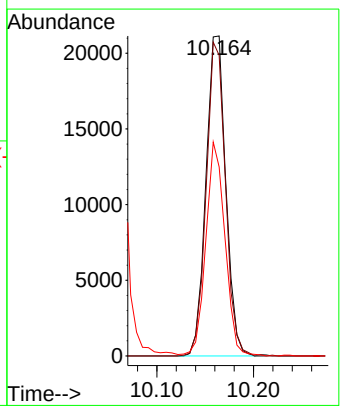


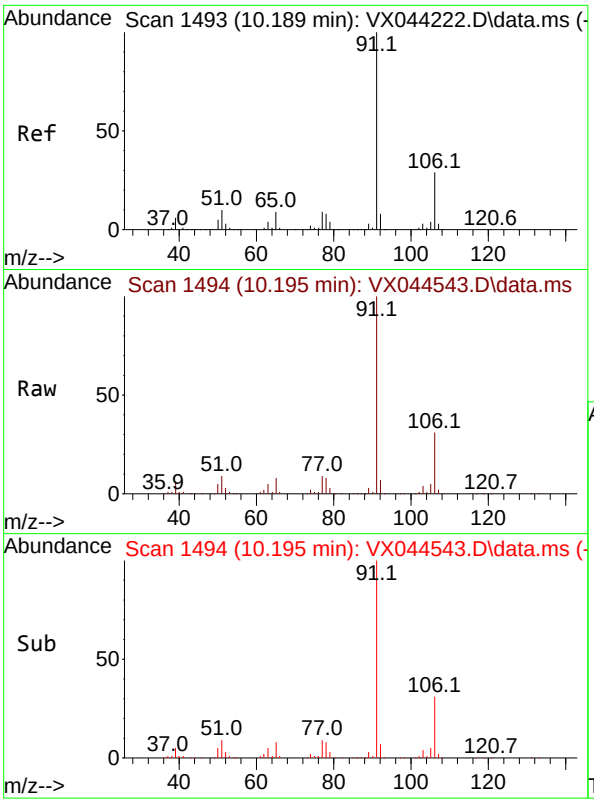


#66
1,1,1,2-Tetrachloroethane
Concen: 19.937 ug/l
RT: 10.164 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:131 Resp: 30176

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.3	141.8
119	64.3	31.6	95.0



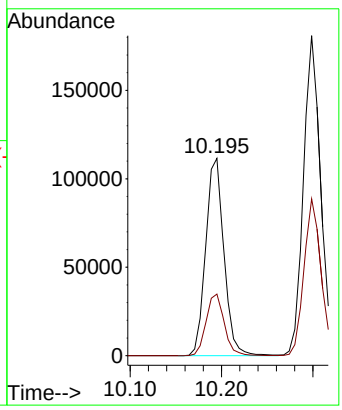


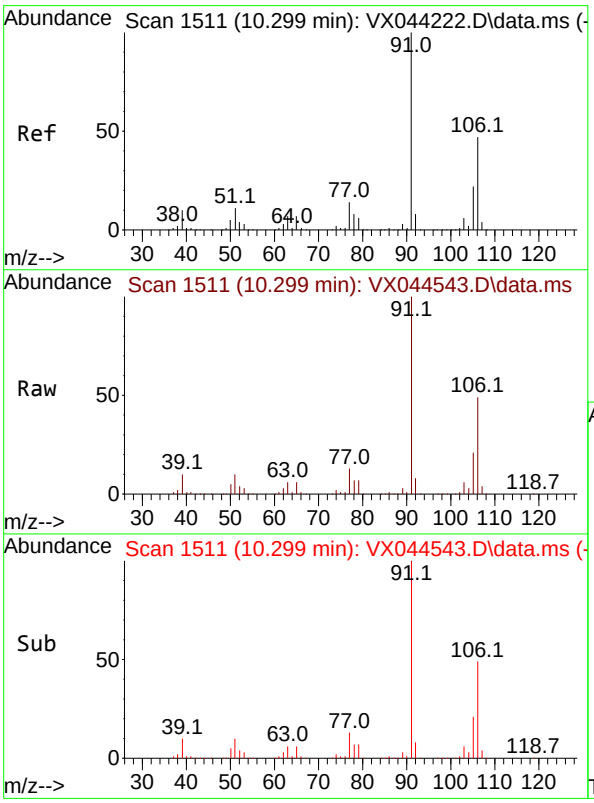
#67
Ethyl Benzene
Concen: 18.997 ug/l
RT: 10.195 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 91 Resp: 154584

Ion	Ratio	Lower	Upper
91	100		
106	31.3	23.5	35.3

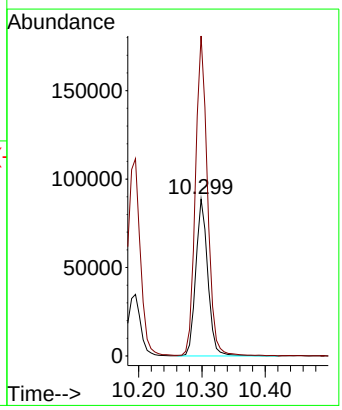


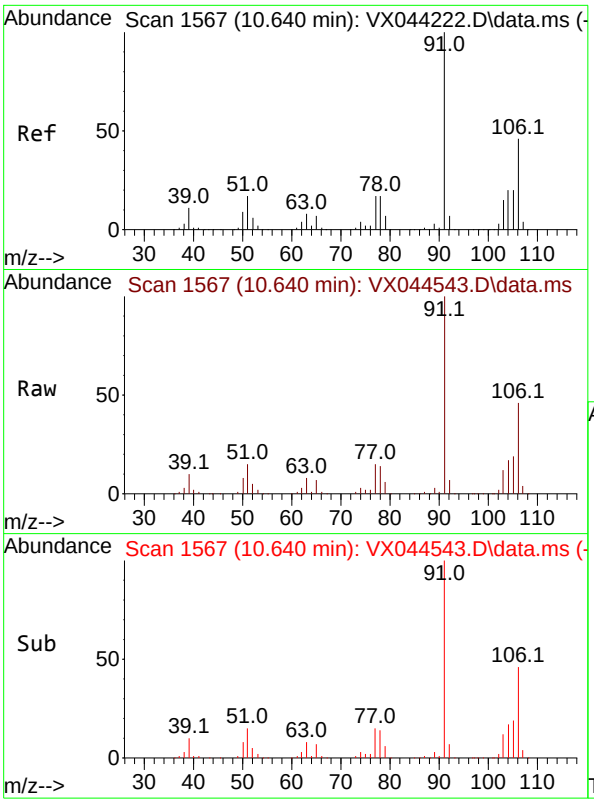


#68
m/p-Xylenes
Concen: 39.398 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:106 Resp: 117637

Ion	Ratio	Lower	Upper
106	100		
91	204.2	170.2	255.2



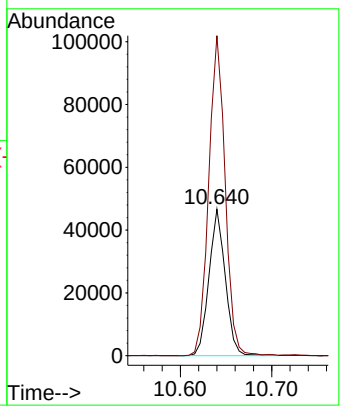


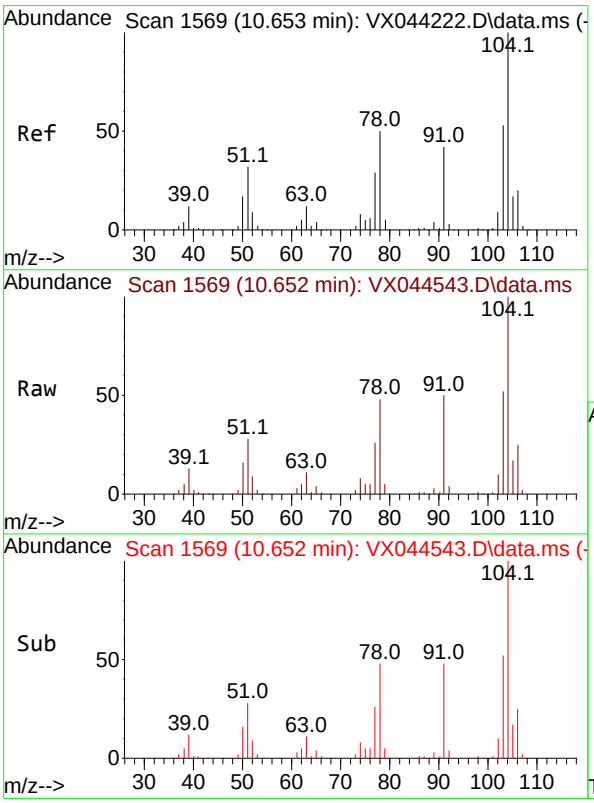
#69
o-Xylene
Concen: 19.067 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion:106 Resp: 57605

Ion	Ratio	Lower	Upper
106	100		
91	220.3	112.3	337.0

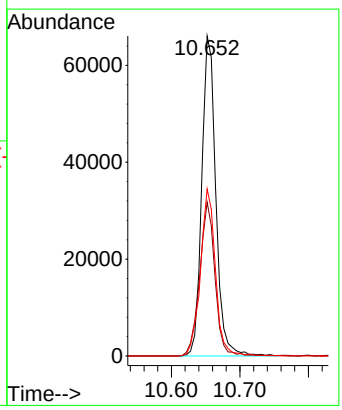


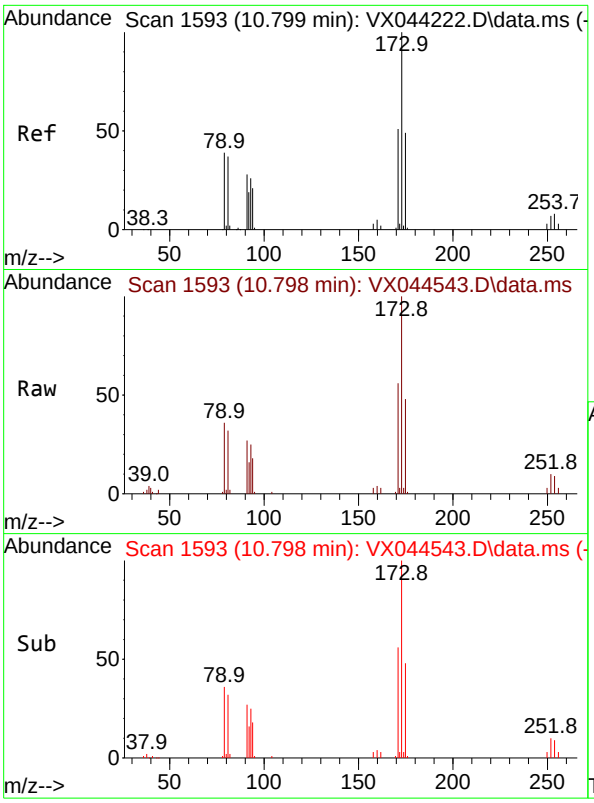


#70
Styrene
Concen: 19.528 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:104 Resp: 94578

Ion	Ratio	Lower	Upper
104	100		
78	52.3	44.6	67.0
103	55.7	45.4	68.0



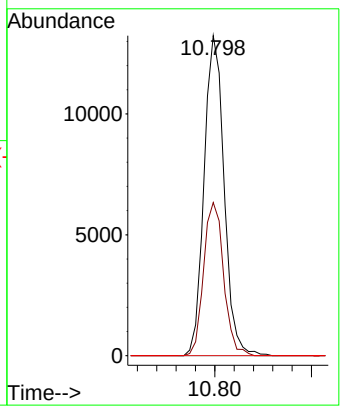


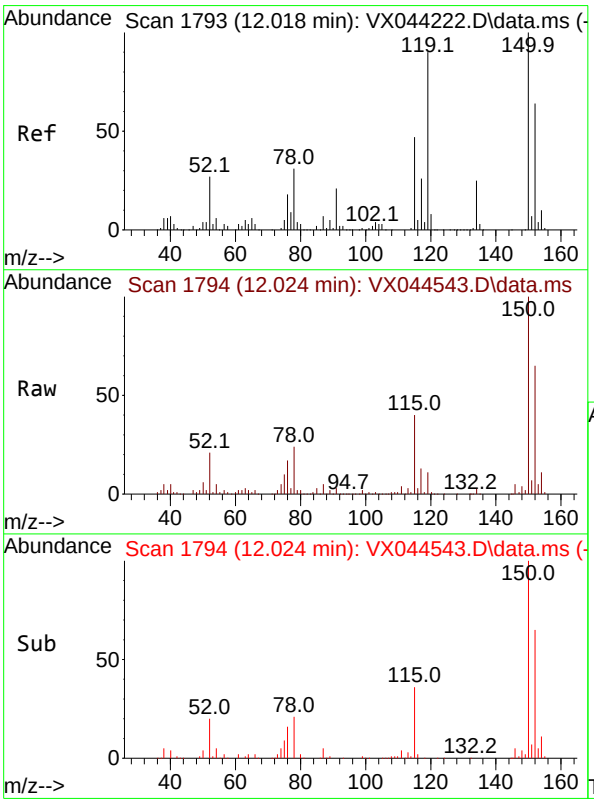
#71
Bromoform
Concen: 20.029 ug/l
RT: 10.798 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion:173 Resp: 19071

Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.8	71.4
254	0.0	0.0	0.0

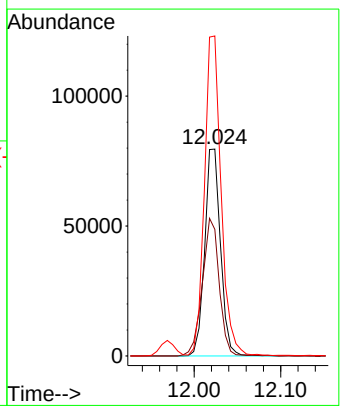


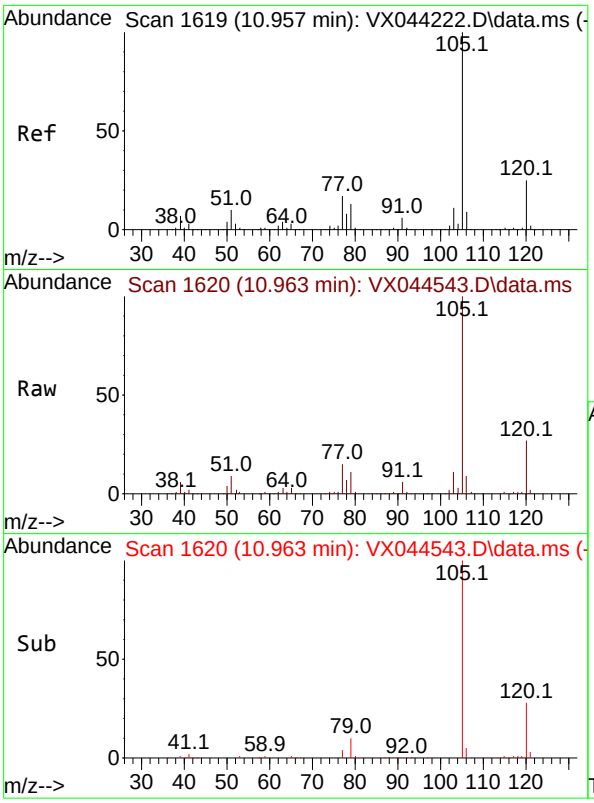


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:152 Resp: 100843

Ion	Ratio	Lower	Upper
152	100		
115	71.1	44.5	133.3
150	162.8	0.0	353.8



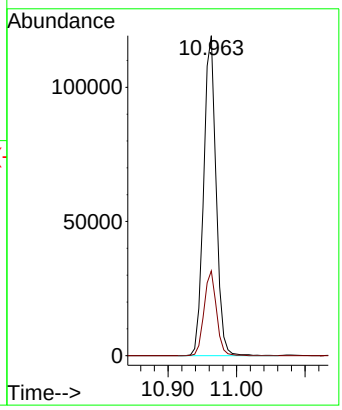


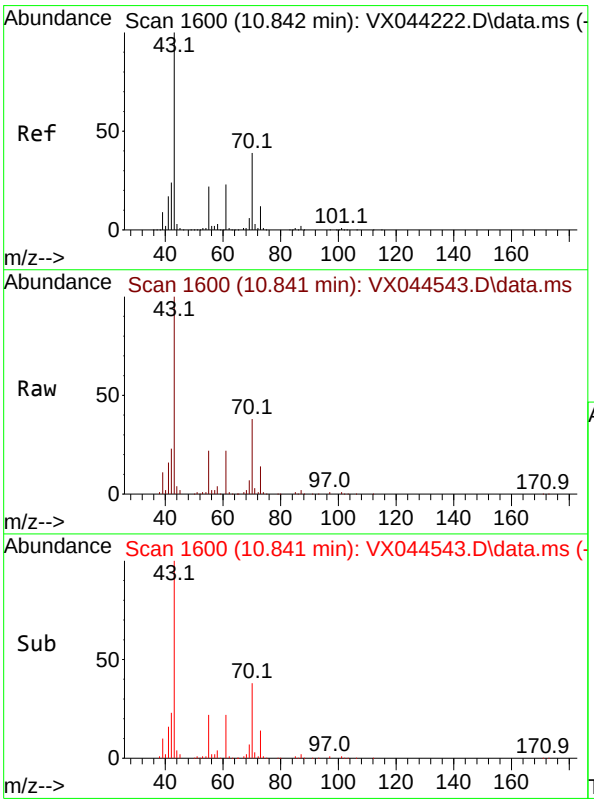
#73
Isopropylbenzene
Concen: 19.536 ug/l
RT: 10.963 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion:105 Resp: 150815

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.1	39.3

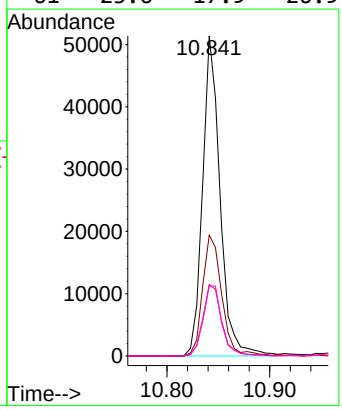


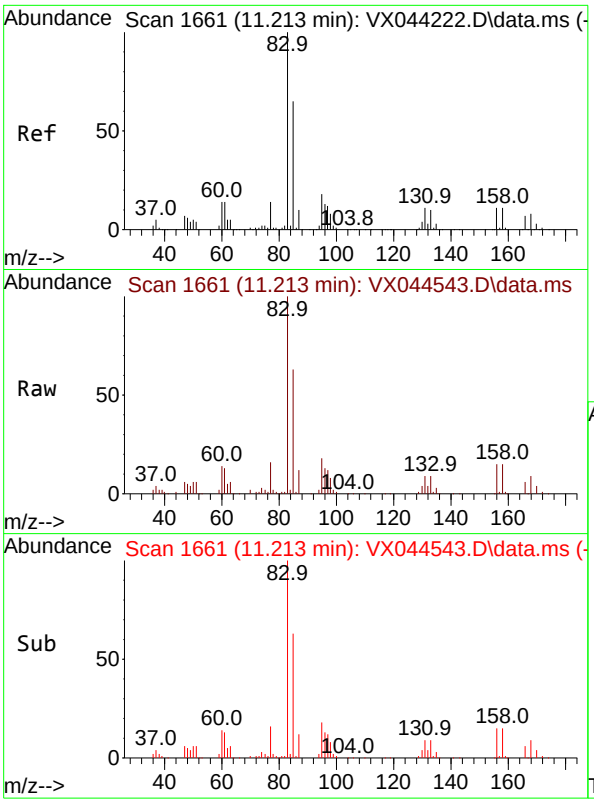


#74
N-amyl acetate
Concen: 17.065 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 43 Resp: 60883

Ion	Ratio	Lower	Upper
43	100		
70	41.2	31.9	47.9
55	23.9	17.9	26.9
61	23.6	17.9	26.9



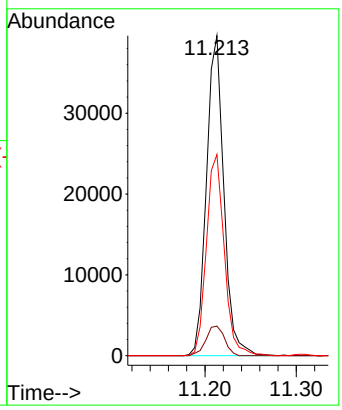


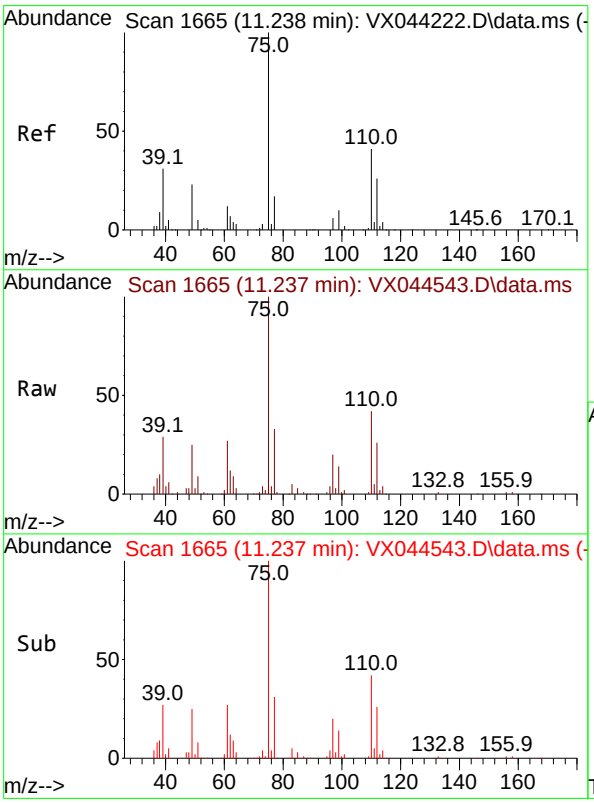
#75
1,1,2,2-Tetrachloroethane
Concen: 19.420 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 83 Resp: 52073

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.4
85	64.8	32.5	97.4

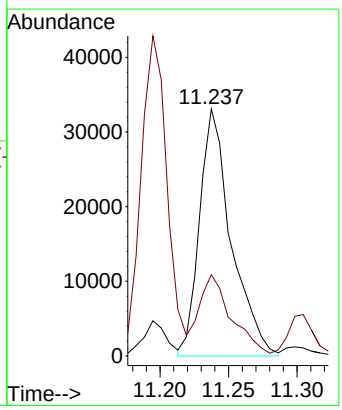


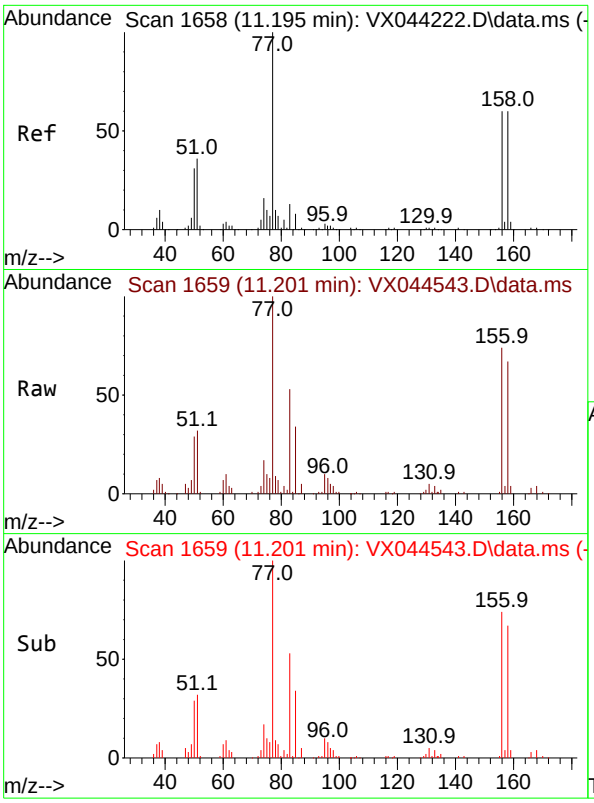


#76
1,2,3-Trichloropropane
Concen: 23.669 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 75 Resp: 53292

Ion	Ratio	Lower	Upper
75	100		
77	33.6	20.9	62.7



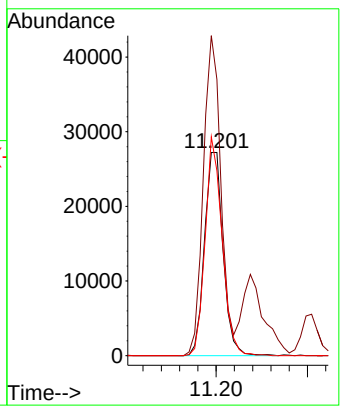


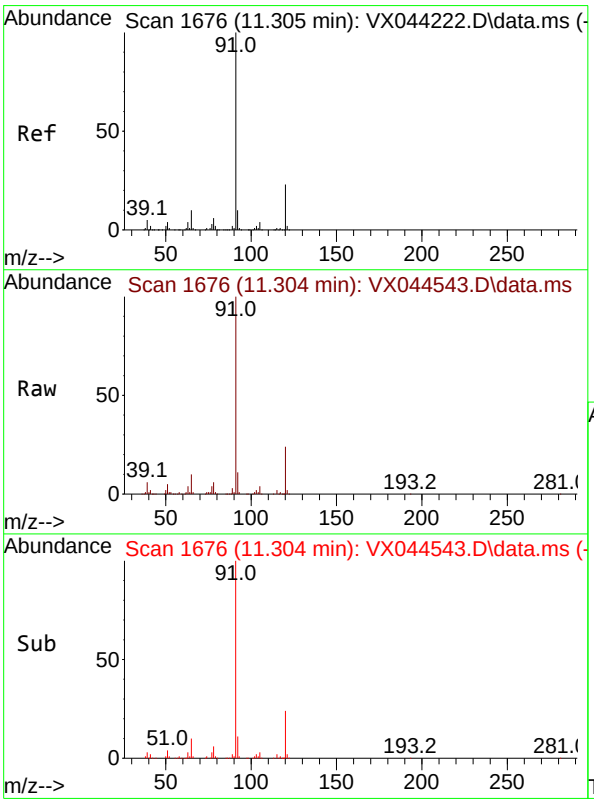
#77
Bromobenzene
Concen: 20.493 ug/l
RT: 11.201 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion:156 Resp: 38364

Ion	Ratio	Lower	Upper
156	100		
77	148.4	82.6	247.8
158	98.4	48.8	146.4

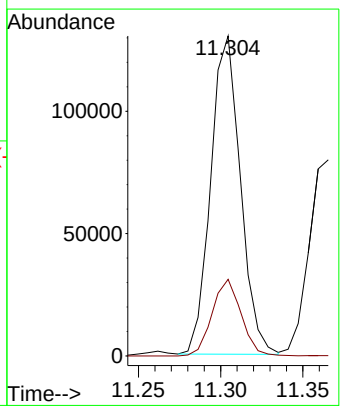


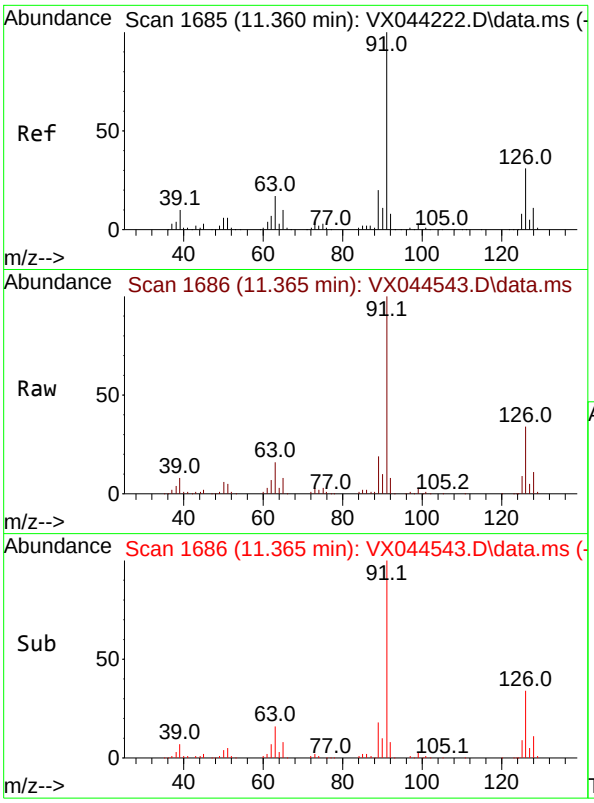


#78
n-propylbenzene
Concen: 19.181 ug/l
RT: 11.304 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 91 Resp: 163660

Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.0	33.0



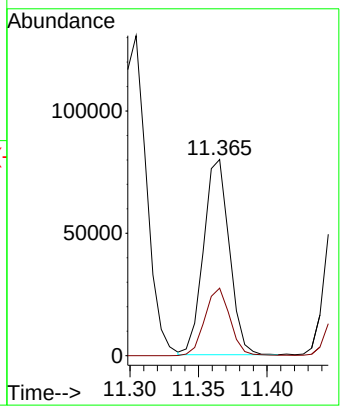


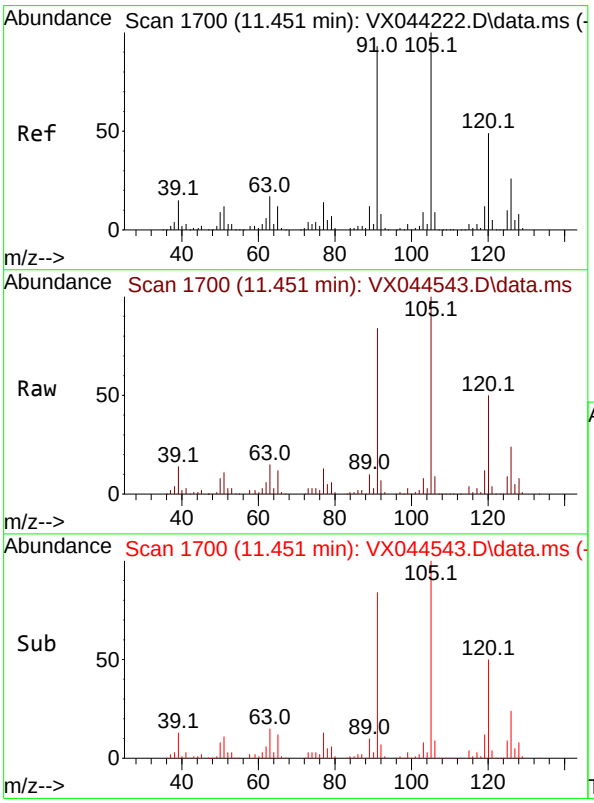
#79
2-Chlorotoluene
Concen: 18.903 ug/l
RT: 11.365 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 91 Resp: 104313

Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.4	49.1

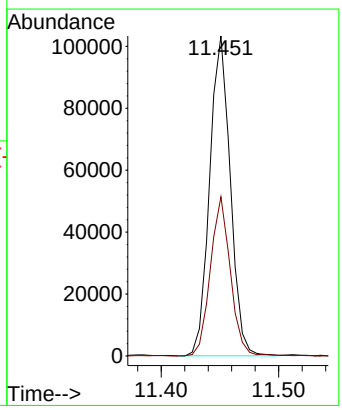


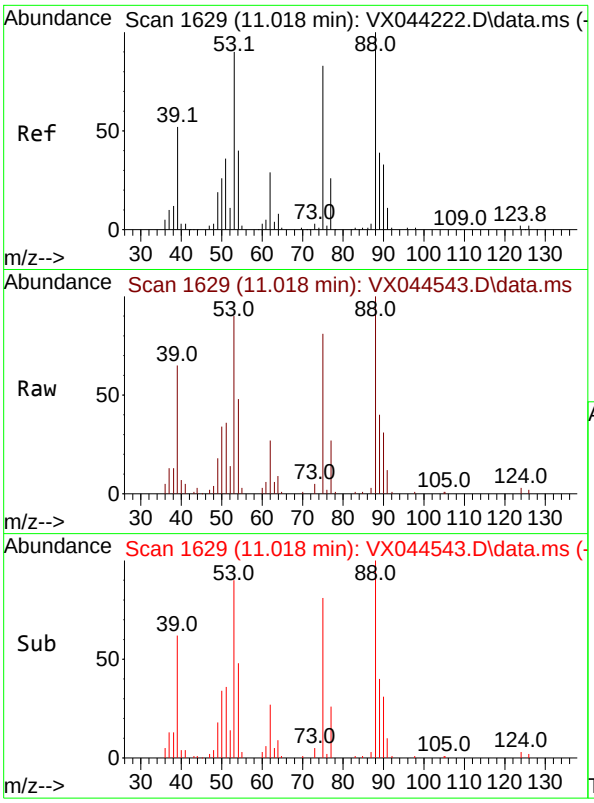


#80
1,3,5-Trimethylbenzene
Concen: 19.674 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:105 Resp: 125956

Ion	Ratio	Lower	Upper
105	100		
120	48.5	23.8	71.4



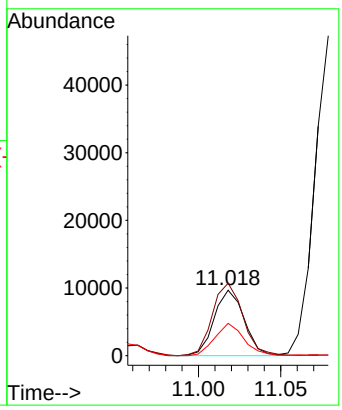


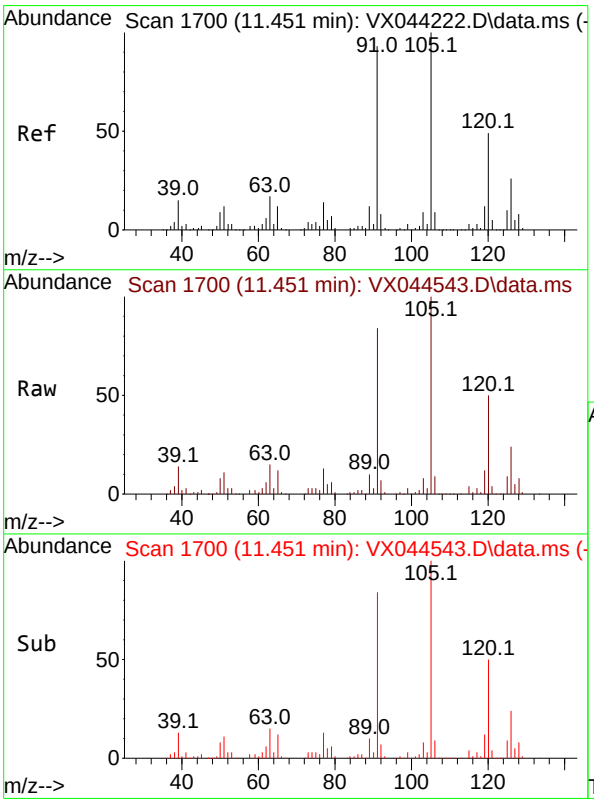
#81
trans-1,4-Dichloro-2-butene
Concen: 19.517 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 75 Resp: 12327

Ion	Ratio	Lower	Upper
75	100		
53	112.6	93.6	140.4
89	47.7	37.3	55.9

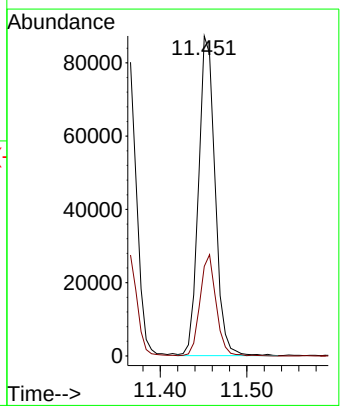


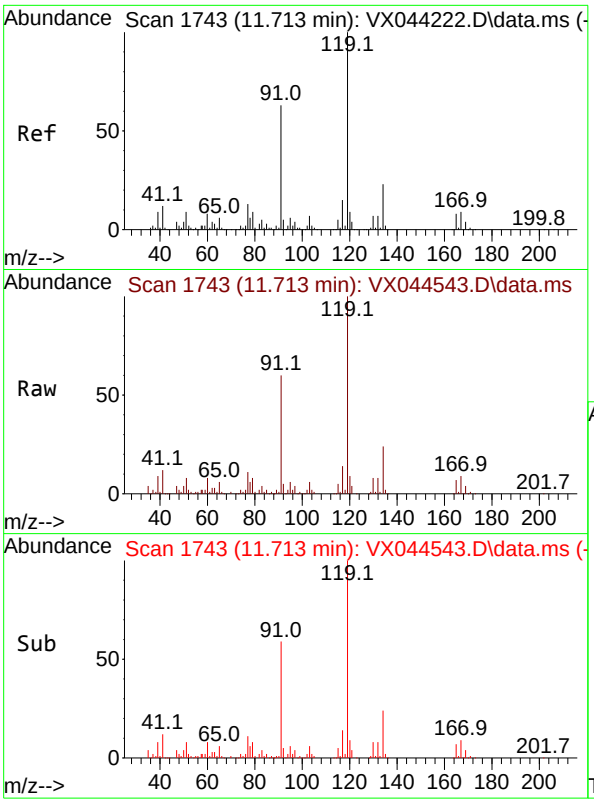


#82
4-Chlorotoluene
Concen: 18.905 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 91 Resp: 115520

Ion	Ratio	Lower	Upper
91	100		
126	31.0	14.5	43.5



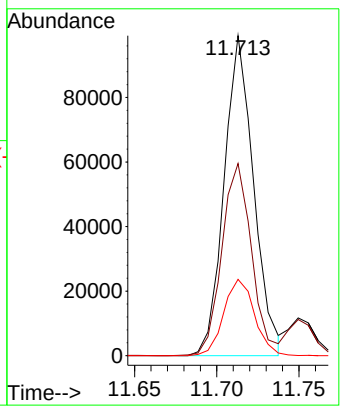


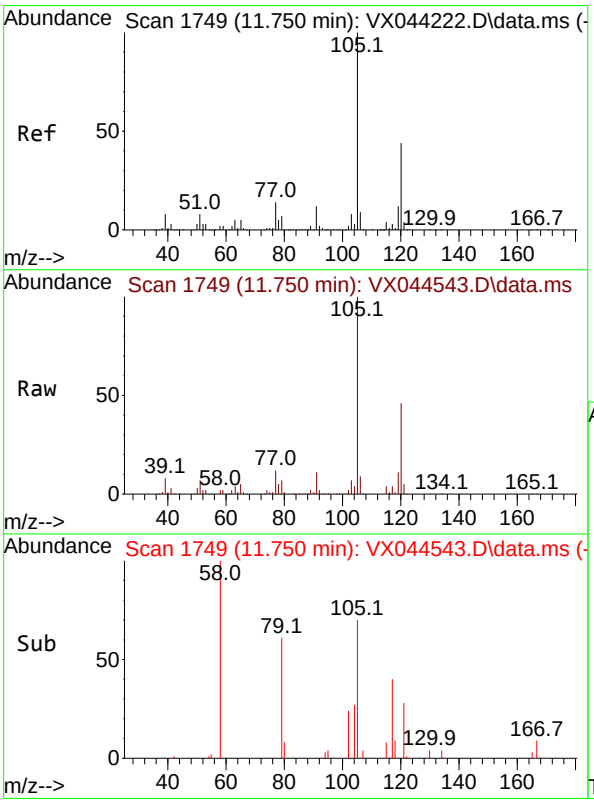
#83
tert-Butylbenzene
Concen: 19.605 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion:119 Resp: 124037

Ion	Ratio	Lower	Upper
119	100		
91	60.7	30.9	92.5
134	24.9	11.5	34.4

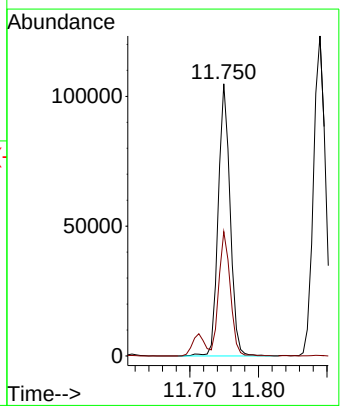


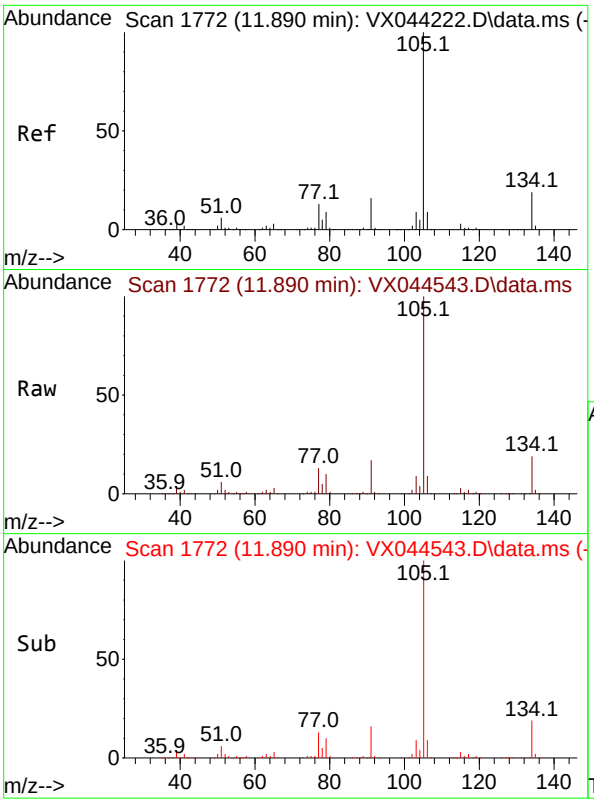


#84
1,2,4-Trimethylbenzene
Concen: 20.023 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:105 Resp: 125891

Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.7	65.1



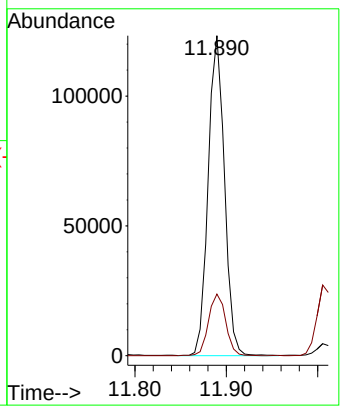


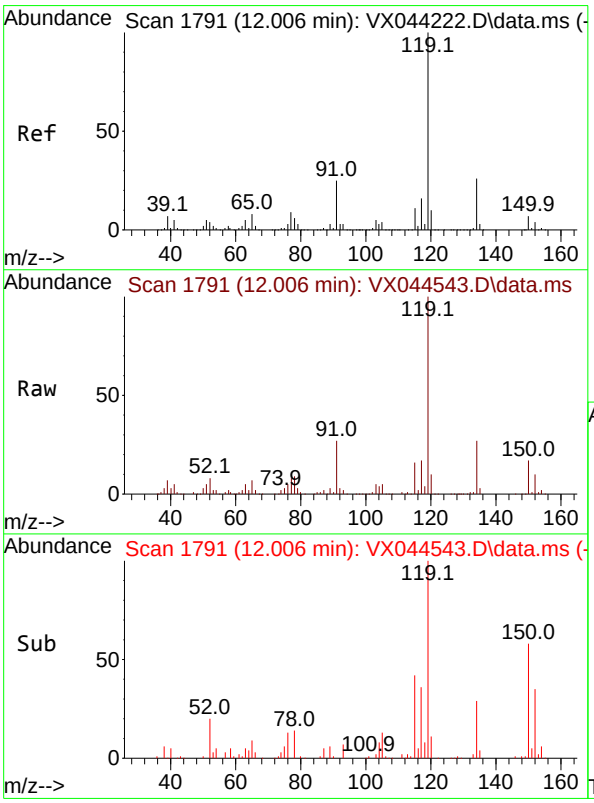
#85
sec-Butylbenzene
Concen: 19.820 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion:105 Resp: 152233

Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.8	29.4

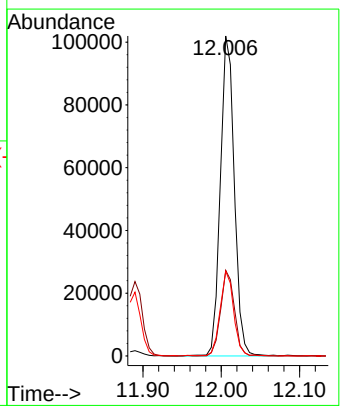


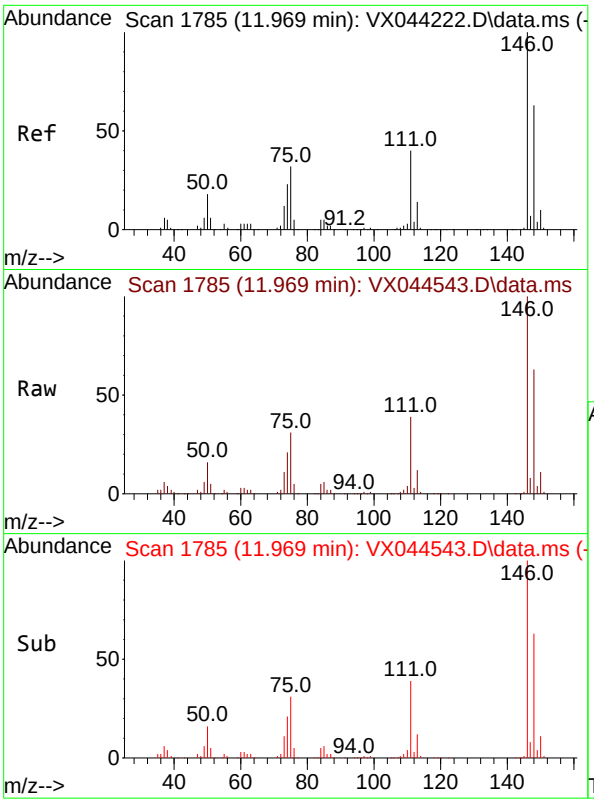


#86
p-Isopropyltoluene
Concen: 19.824 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:119 Resp: 126730

Ion	Ratio	Lower	Upper
119	100		
134	26.6	12.8	38.4
91	25.8	13.0	39.0



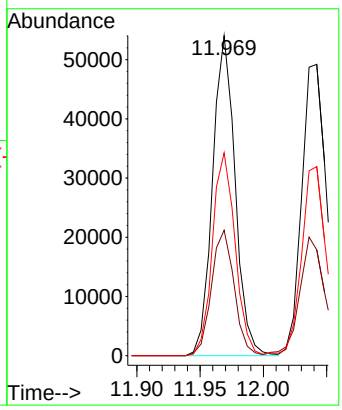


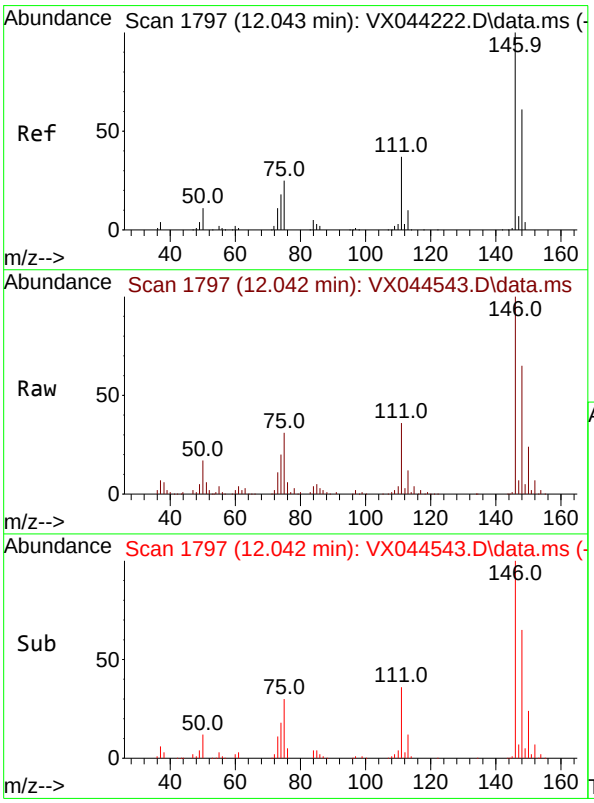
#87
1,3-Dichlorobenzene
Concen: 20.481 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion:146 Resp: 66973

Ion	Ratio	Lower	Upper
146	100		
111	39.4	21.4	64.2
148	63.7	31.7	95.1

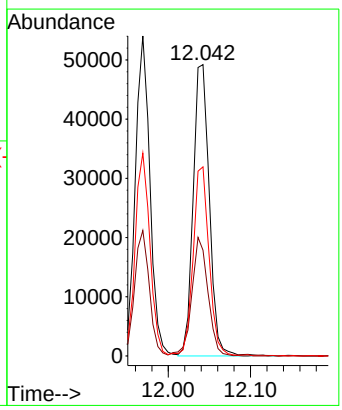


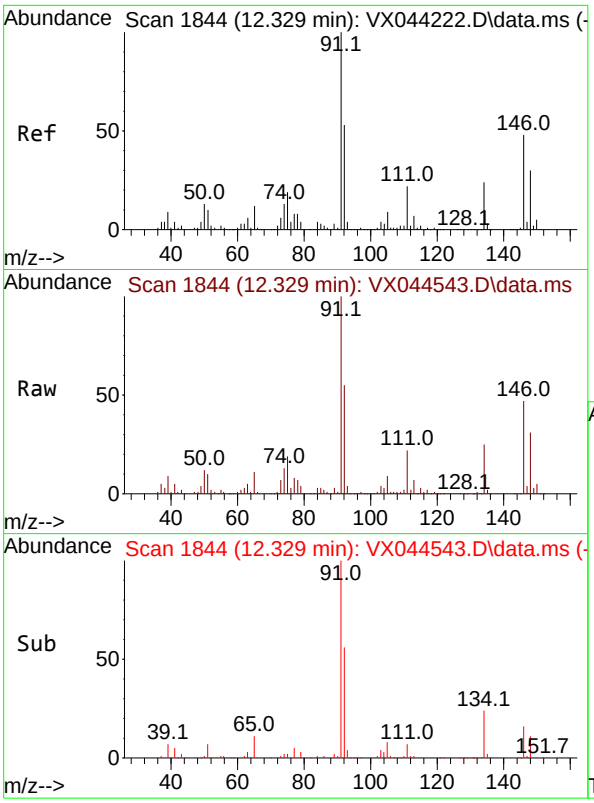


#88
1,4-Dichlorobenzene
Concen: 19.967 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:146 Resp: 67120

Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.0	63.0
148	64.5	32.3	96.8



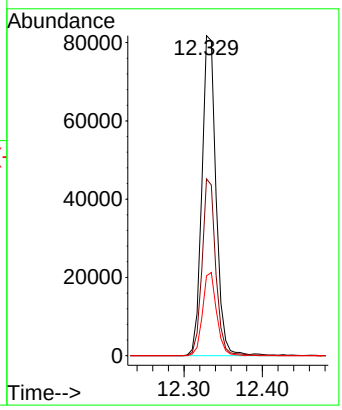


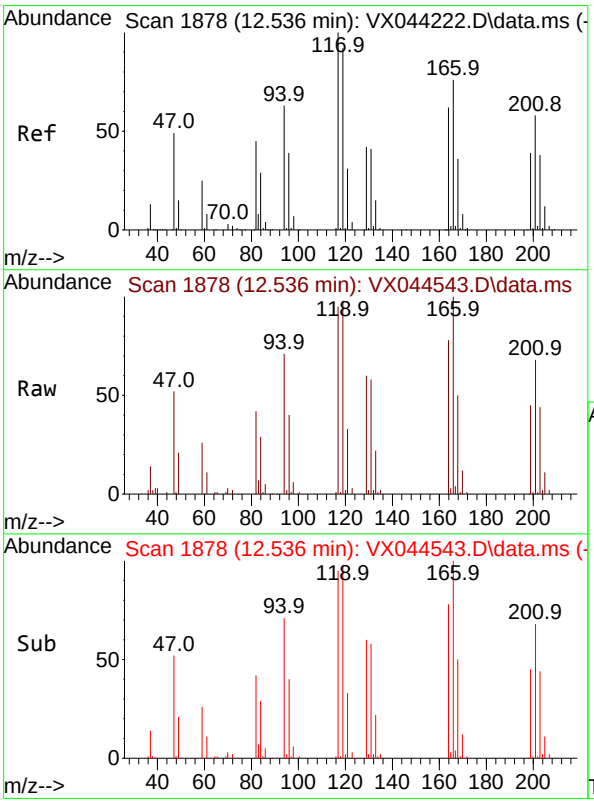
#89
n-Butylbenzene
Concen: 19.065 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion: 91 Resp: 102486

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.7
134	25.7	12.6	37.8

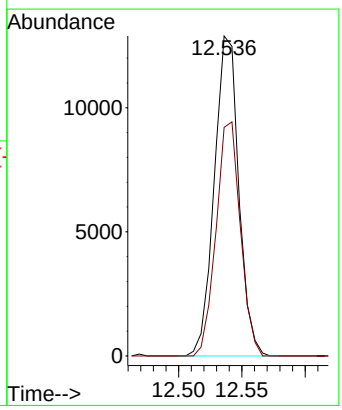


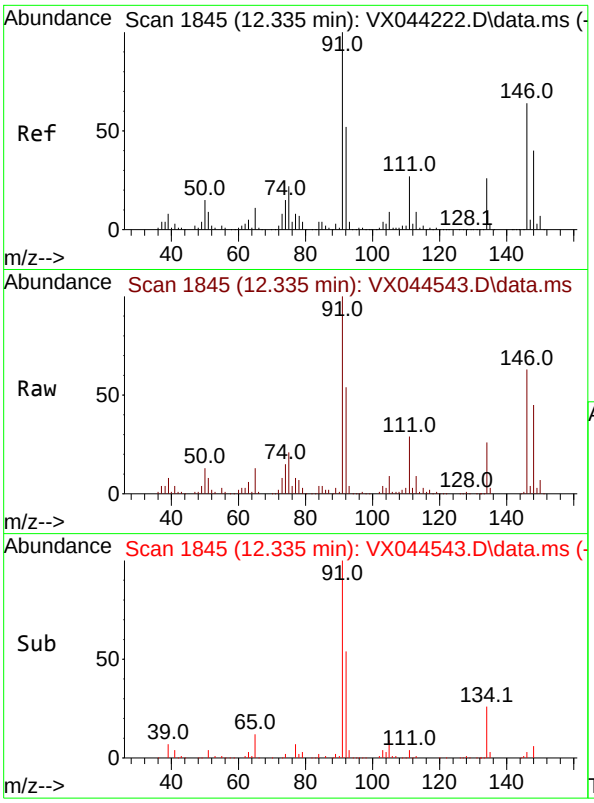


#90
Hexachloroethane
Concen: 18.544 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:117 Resp: 17305

Ion	Ratio	Lower	Upper
117	100		
201	72.7	31.4	94.2



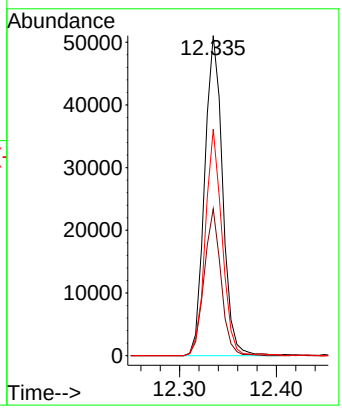


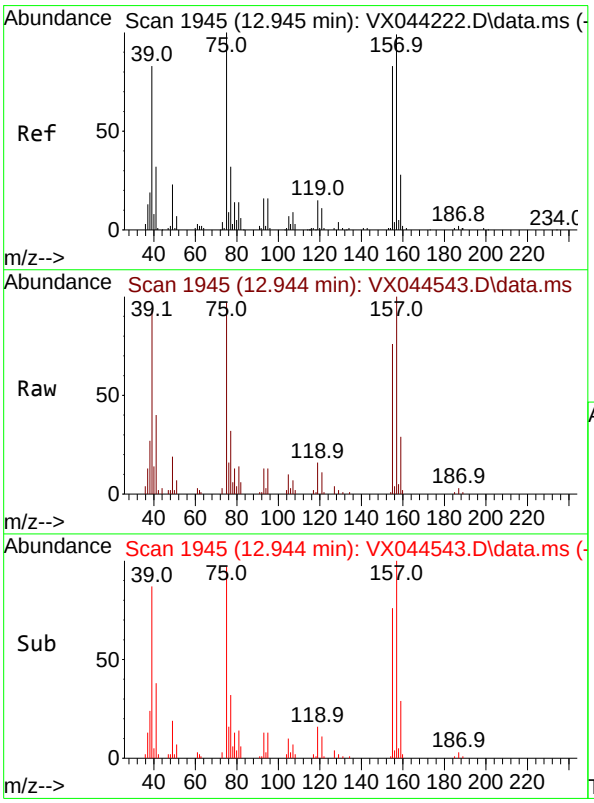
#91
1,2-Dichlorobenzene
Concen: 19.354 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion:146 Resp: 65715

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.4	64.3
148	66.2	31.6	95.0

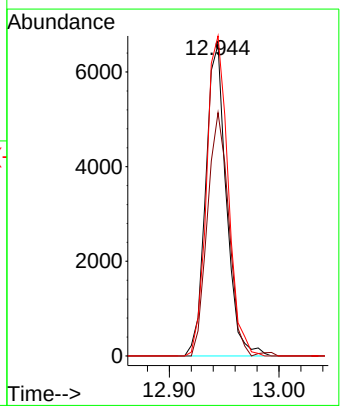


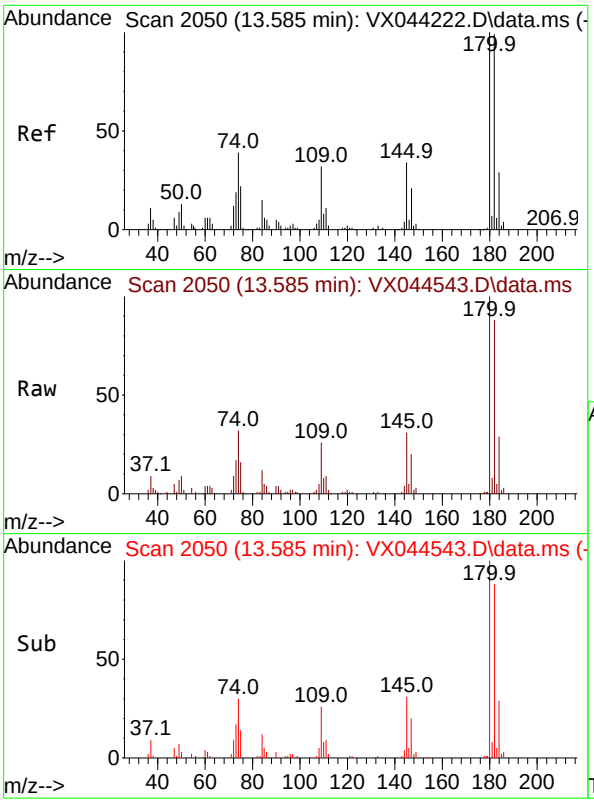


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.555 ug/l
RT: 12.944 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion: 75 Resp: 8617

Ion	Ratio	Lower	Upper
75	100		
155	80.8	38.1	114.3
157	107.0	47.2	141.6



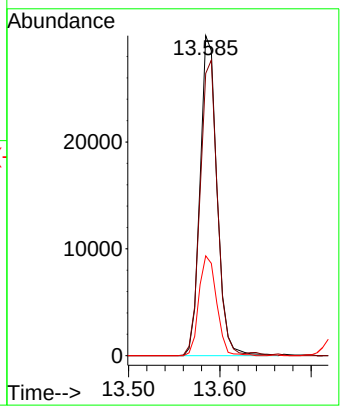


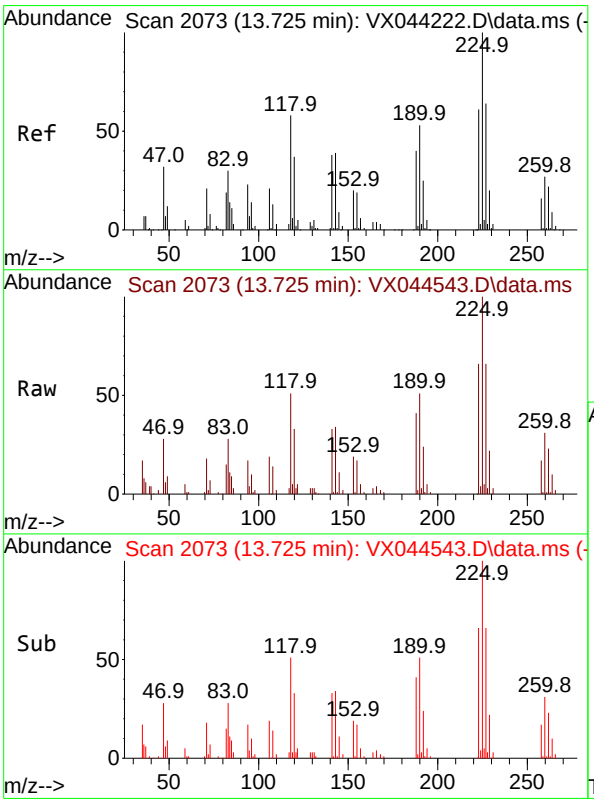
#93
1,2,4-Trichlorobenzene
Concen: 20.671 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion:180 Resp: 38478

Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.0	144.2
145	32.5	16.6	49.7

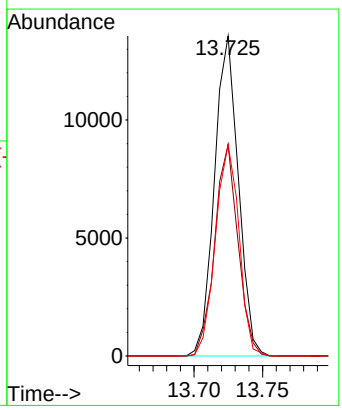


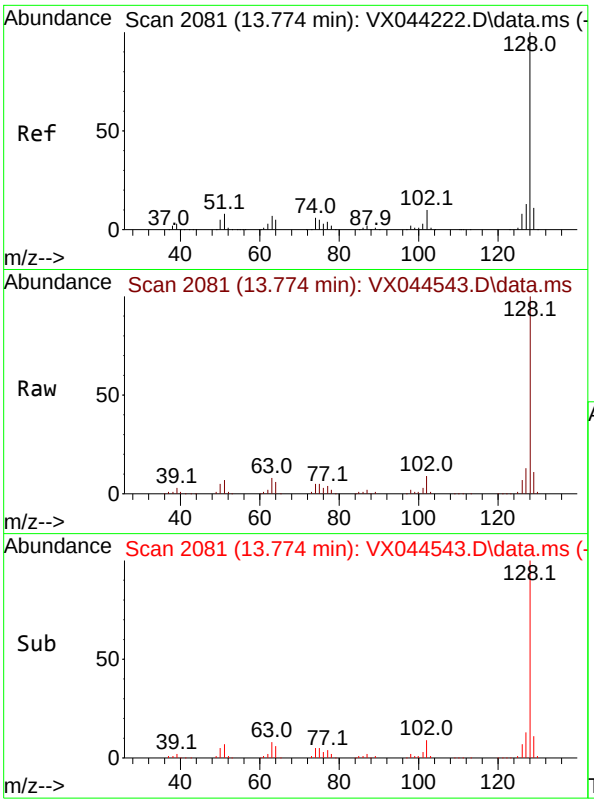


#94
Hexachlorobutadiene
Concen: 21.939 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:225 Resp: 16427

Ion	Ratio	Lower	Upper
225	100		
223	64.4	30.8	92.4
227	64.9	32.1	96.3



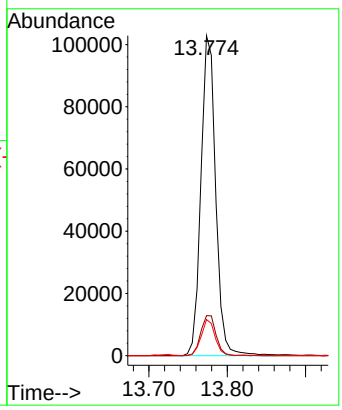


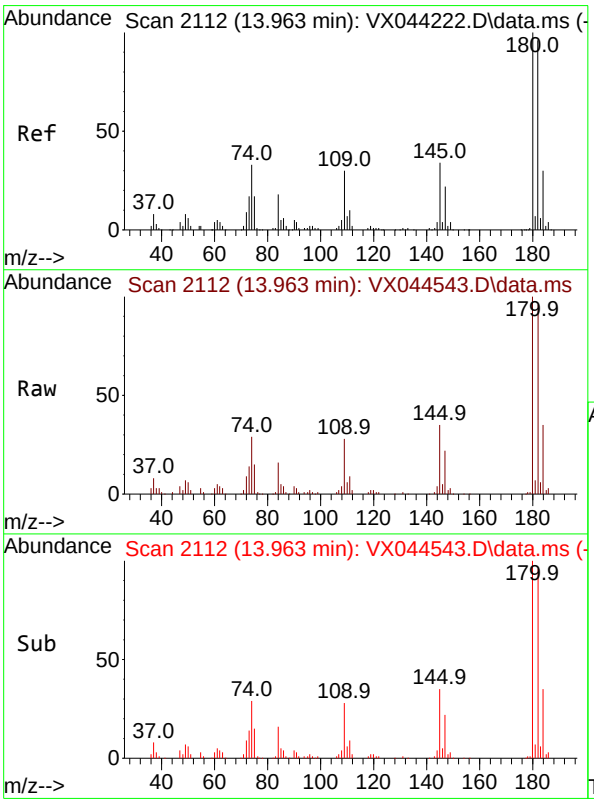
#95
Naphthalene
Concen: 18.521 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBS01

Tgt Ion:128 Resp: 134577

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.8	9.0	13.4

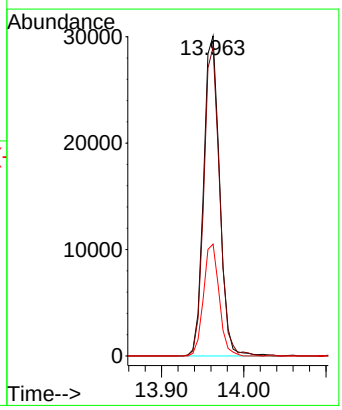




#96
1,2,3-Trichlorobenzene
Concen: 20.557 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044543.D
Acq: 30 Dec 2024 14:54

Tgt Ion:180 Resp: 40587

Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.0	144.0
145	34.2	17.7	53.1



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044564.D
Acq On : 30 Dec 2024 23:08
Operator : JC/MD
Sample : P5376-08MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Quant Time: Dec 31 00:41:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	121315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	205358	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87740	41.250	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 82.500%			
35) Dibromofluoromethane	5.379	113	68362	48.065	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.120%			
50) Toluene-d8	8.647	98	230036	47.940	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.880%			
62) 4-Bromofluorobenzene	11.079	95	81923	48.860	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	87011	46.385	ug/l	95
3) Chloromethane	1.295	50	83245	46.407	ug/l	100
4) Vinyl Chloride	1.374	62	84537	45.236	ug/l	98
5) Bromomethane	1.593	94	55906	42.168	ug/l	99
6) Chloroethane	1.660	64	48069	41.308	ug/l	97
7) Trichlorofluoromethane	1.862	101	154727	42.292	ug/l	99
8) Diethyl Ether	2.136	74	58129	46.547	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.313	101	70774	47.806	ug/l	94
10) Methyl Iodide	2.441	142	103433	53.011	ug/l	96
11) Tert butyl alcohol	3.002	59	70711	235.879	ug/l	97
12) 1,1-Dichloroethene	2.307	96	69658	51.227	ug/l	92
13) Acrolein	2.240	56	110465	254.563	ug/l	99
14) Allyl chloride	2.654	41	105915	46.763	ug/l	99
15) Acrylonitrile	3.069	53	208653	251.269	ug/l	99
16) Acetone	2.392	43	190030	219.139	ug/l	95
17) Carbon Disulfide	2.496	76	112038	43.345	ug/l	99
18) Methyl Acetate	2.709	43	102149	45.686	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	247621	46.665	ug/l	99
20) Methylene Chloride	2.782	84	80988	49.724	ug/l	93
21) trans-1,2-Dichloroethene	3.081	96	71203	49.270	ug/l	90
22) Diisopropyl ether	3.764	45	244400	47.920	ug/l	97
23) Vinyl Acetate	3.721	43	916352	220.996	ug/l	98
24) 1,1-Dichloroethane	3.605	63	139942	49.224	ug/l	99
25) 2-Butanone	4.568	43	294063	238.533	ug/l	98
26) 2,2-Dichloropropane	4.471	77	87448	37.863	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	88051	47.974	ug/l	93
28) Bromochloromethane	4.898	49	59400	42.609	ug/l	92
29) Tetrahydrofuran	5.013	42	183280	231.621	ug/l	98
30) Chloroform	5.087	83	149152	46.695	ug/l	98
31) Cyclohexane	5.458	56	104306	45.435	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	125559	47.355	ug/l	98
36) 1,1-Dichloropropene	5.684	75	91374	49.700	ug/l	98
37) Ethyl Acetate	4.721	43	105248	46.311	ug/l	98
38) Carbon Tetrachloride	5.672	117	102117	51.592	ug/l	99
39) Methylcyclohexane	7.373	83	109762	49.940	ug/l	99
40) Benzene	6.032	78	293960	52.662	ug/l	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044564.D
Acq On : 30 Dec 2024 23:08
Operator : JC/MD
Sample : P5376-08MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Quant Time: Dec 31 00:41:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	61005	50.552 ug/l	98
42) 1,2-Dichloroethane	6.086	62	115387	50.181 ug/l	97
43) Isopropyl Acetate	6.342	43	166728	46.938 ug/l	98
44) Trichloroethene	7.123	130	74557	53.561 ug/l	93
45) 1,2-Dichloropropane	7.428	63	71842	50.376 ug/l	98
46) Dibromomethane	7.580	93	57396	51.877 ug/l	93
47) Bromodichloromethane	7.818	83	103042	53.927 ug/l	97
48) Methyl methacrylate	7.696	41	84667	49.103 ug/l	96
49) 1,4-Dioxane	7.665	88	25682	898.356 ug/l #	64
51) 4-Methyl-2-Pentanone	8.574	43	596181	261.036 ug/l	99
52) Toluene	8.714	92	183268	52.282 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	96448	47.215 ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	104847	50.395 ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	75800	54.432 ug/l	97
56) Ethyl methacrylate	9.116	69	116577	53.028 ug/l	96
57) 1,3-Dichloropropane	9.305	76	127903	52.767 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.184	63	290	0.262 ug/l #	46
59) 2-Hexanone	9.433	43	442072	267.413 ug/l	99
60) Dibromochloromethane	9.519	129	76640	51.836 ug/l	98
61) 1,2-Dibromoethane	9.610	107	77226	54.481 ug/l	98
64) Tetrachloroethene	9.269	164	63884	51.785 ug/l	95
65) Chlorobenzene	10.080	112	203519	51.100 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	69510	54.304 ug/l	99
67) Ethyl Benzene	10.189	91	341637	49.645 ug/l	98
68) m/p-Xylenes	10.299	106	259657	102.829 ug/l	96
69) o-Xylene	10.640	106	128508	50.298 ug/l	97
70) Styrene	10.653	104	218414	53.327 ug/l	95
71) Bromoform	10.799	173	45958	51.220 ug/l #	99
73) Isopropylbenzene	10.957	105	334217	49.155 ug/l	100
74) N-amyl acetate	10.842	43	134232	42.717 ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	117410	49.716 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	121872	61.456 ug/l	84
77) Bromobenzene	11.195	156	83885	50.877 ug/l	95
78) n-propylbenzene	11.305	91	375925	50.023 ug/l	98
79) 2-Chlorotoluene	11.360	91	229405	47.201 ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	275291	48.823 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	26801	39.985 ug/l	97
82) 4-Chlorotoluene	11.451	91	259940	48.298 ug/l	97
83) tert-Butylbenzene	11.713	119	277951	49.880 ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	275304	49.716 ug/l	97
85) sec-Butylbenzene	11.890	105	336189	49.696 ug/l	98
86) p-Isopropyltoluene	12.006	119	280818	49.875 ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	147531	51.225 ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	149057	50.346 ug/l	97
89) n-Butylbenzene	12.329	91	230239	48.630 ug/l	99
90) Hexachloroethane	12.536	117	42277	51.438 ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	155295	51.930 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22647	49.400 ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	88022	53.689 ug/l	98
94) Hexachlorobutadiene	13.725	225	35654	54.065 ug/l	99
95) Naphthalene	13.774	128	315564	49.310 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	91638	52.698 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044564.D
Acq On : 30 Dec 2024 23:08
Operator : JC/MD
Sample : P5376-08MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Quant Time: Dec 31 00:41:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

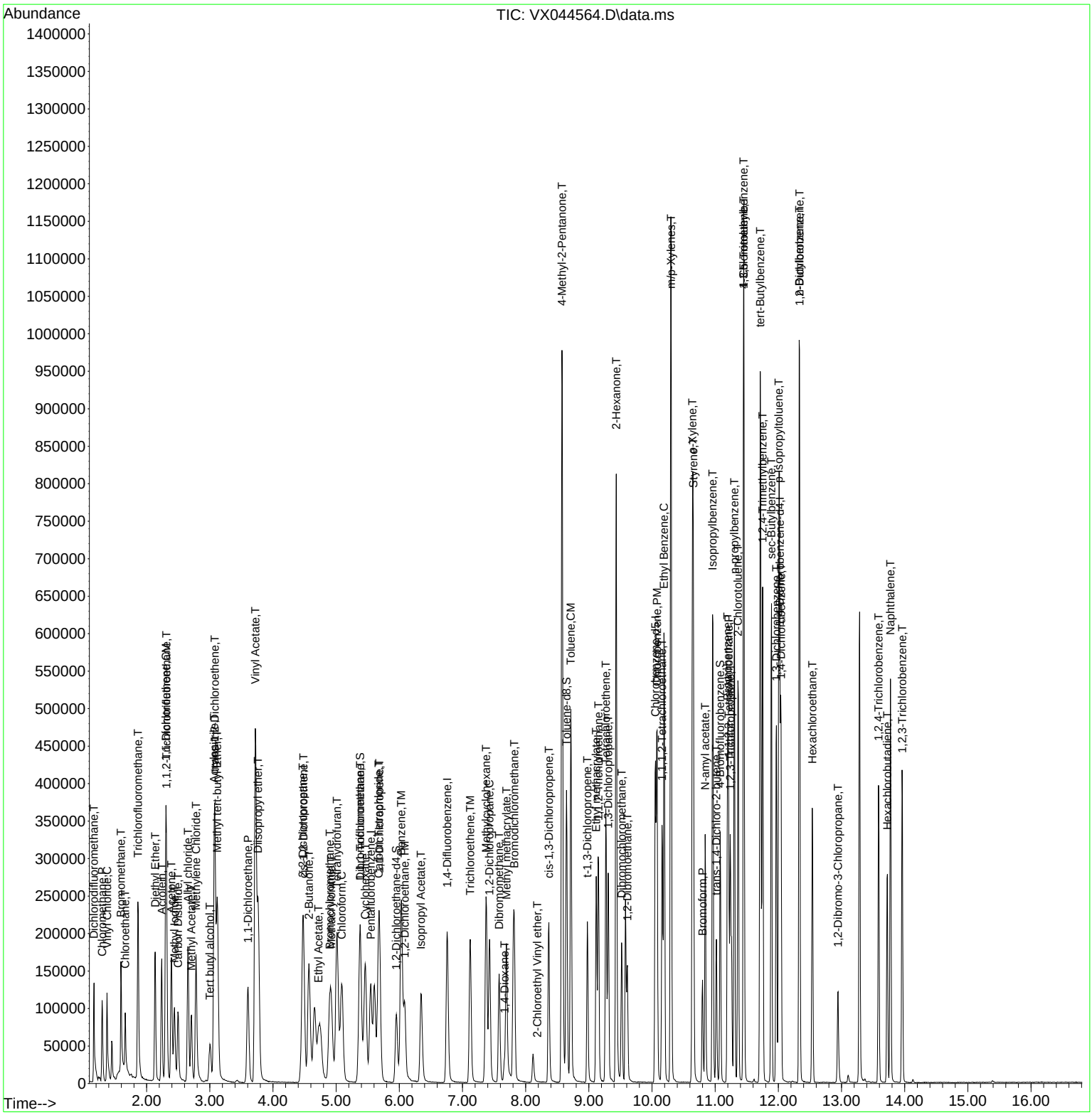
(#) = qualifier out of range (m) = manual integration (+) = signals summed

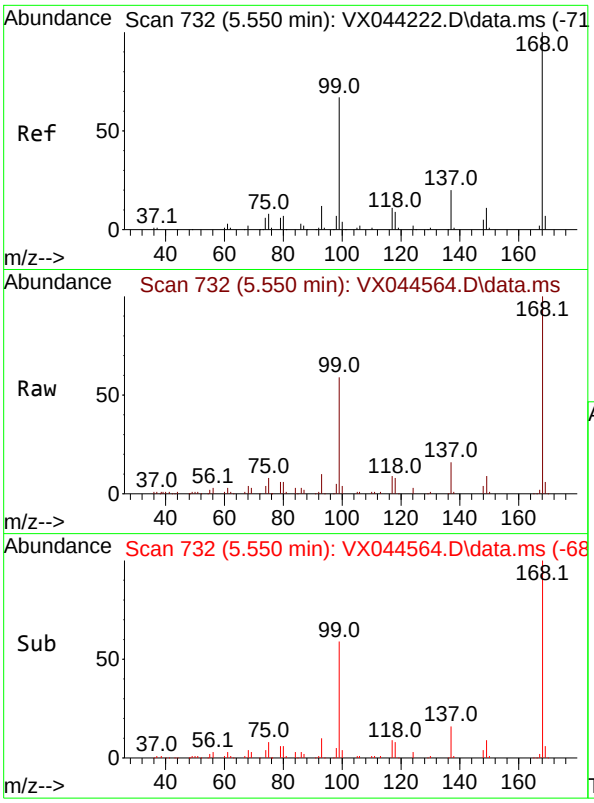
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044564.D
Acq On : 30 Dec 2024 23:08
Operator : JC/MD
Sample : P5376-08MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Quant Time: Dec 31 00:41:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



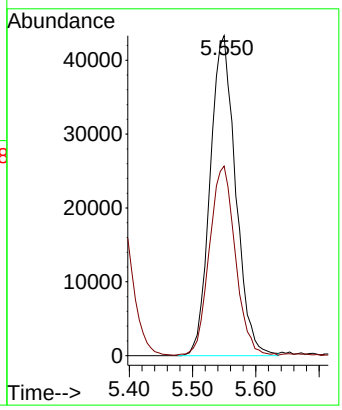


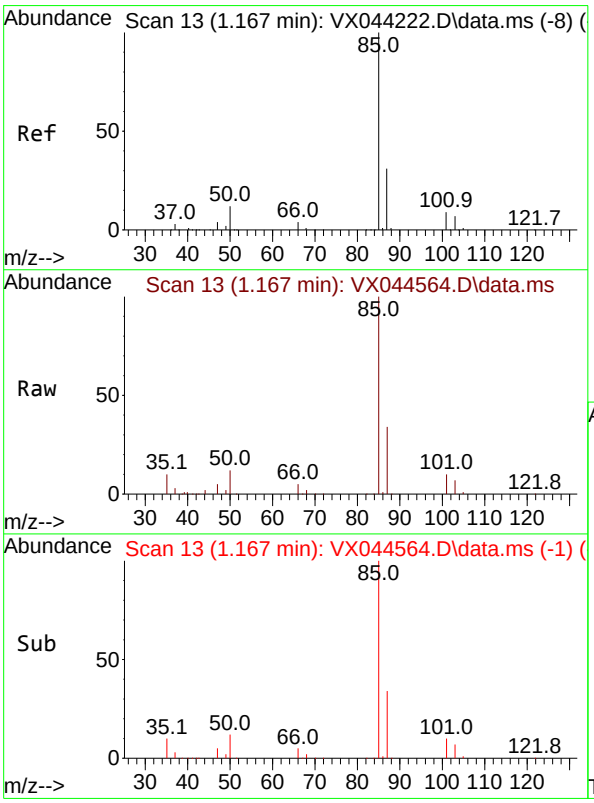
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion:168 Resp: 121315

Ion	Ratio	Lower	Upper
168	100		
99	59.1	53.4	80.0

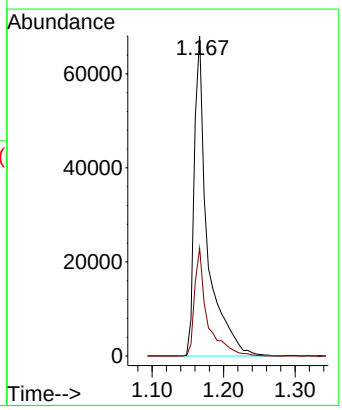


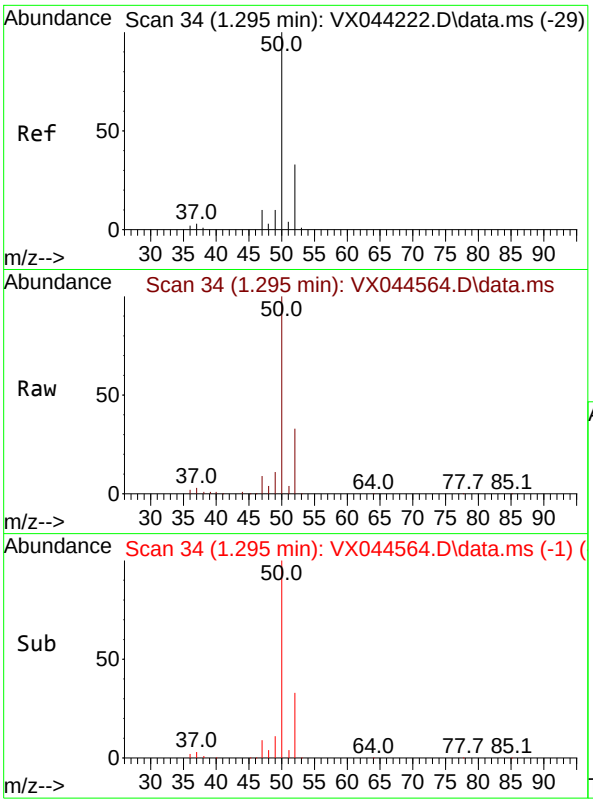


#2
Dichlorodifluoromethane
Concen: 46.385 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 85 Resp: 87011

Ion	Ratio	Lower	Upper
85	100		
87	33.7	15.4	46.4



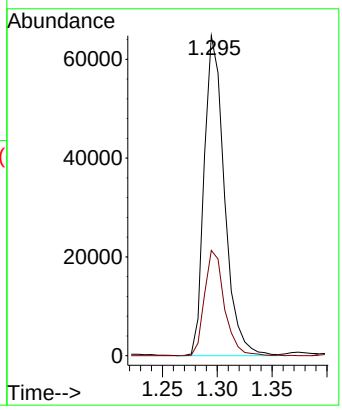


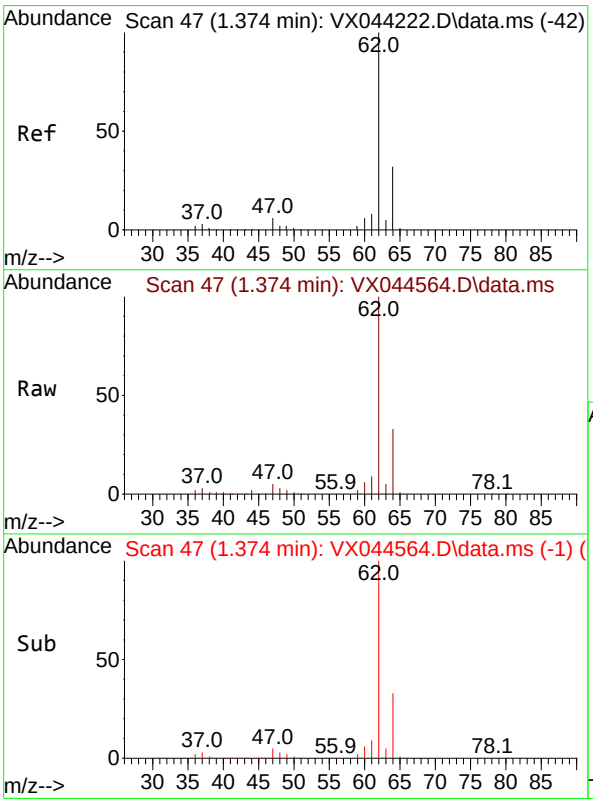
#3
Chloromethane
Concen: 46.407 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 50 Resp: 83245

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.5	39.7

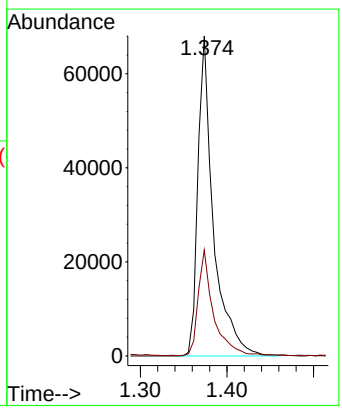


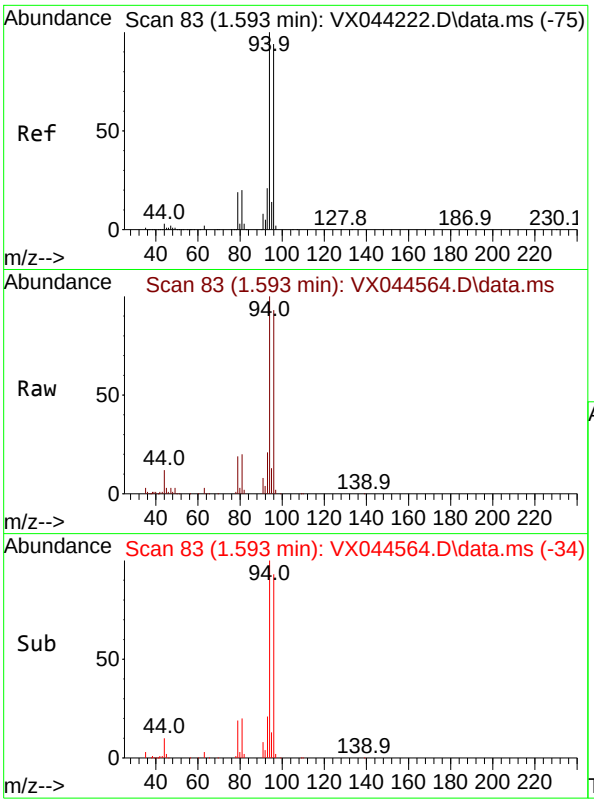


#4
Vinyl Chloride
Concen: 45.236 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 62 Resp: 84537

Ion	Ratio	Lower	Upper
62	100		
64	33.1	25.7	38.5



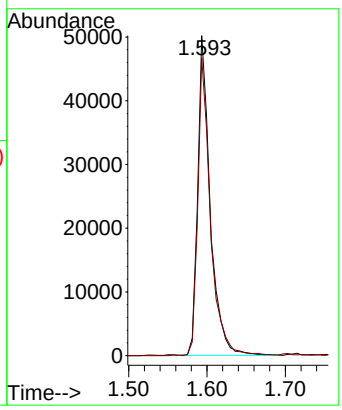


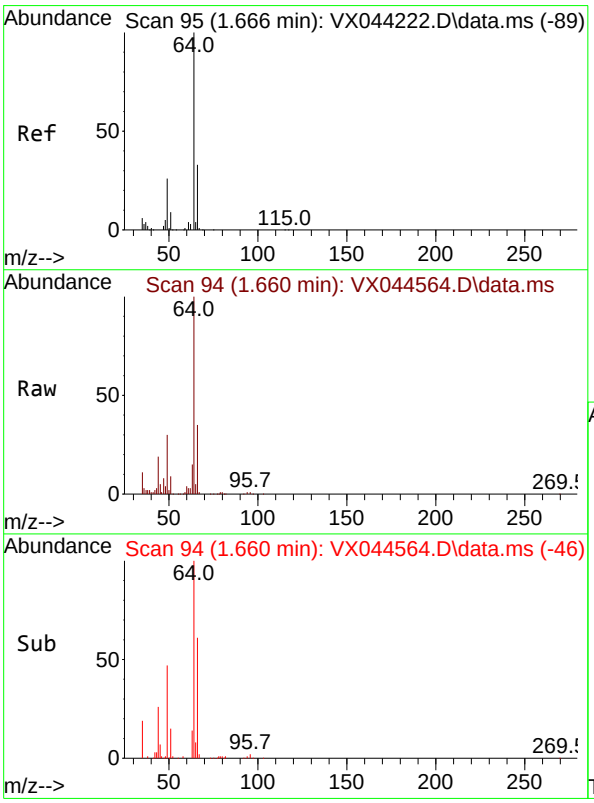
#5
Bromomethane
Concen: 42.168 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 94 Resp: 55906

Ion	Ratio	Lower	Upper
94	100		
96	93.0	74.9	112.3

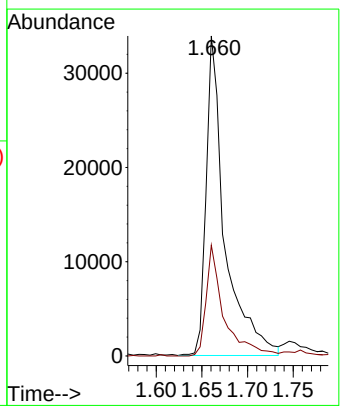


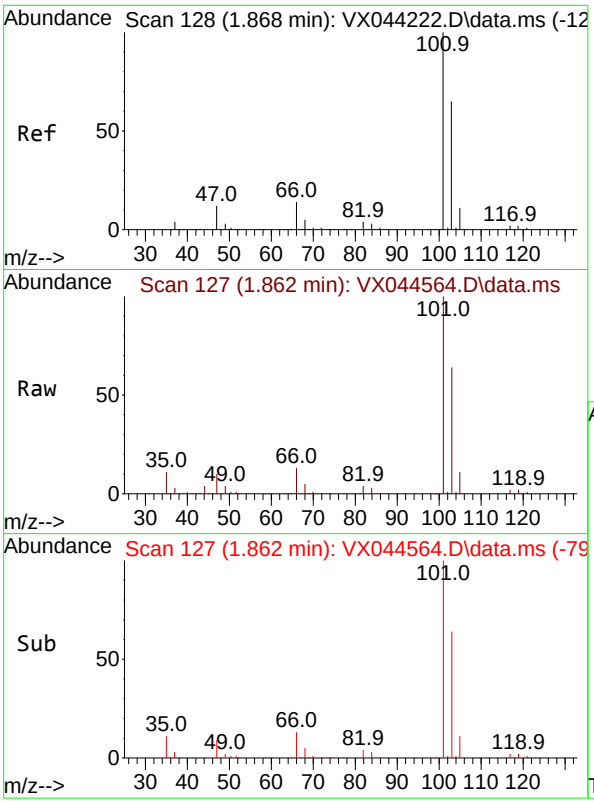


#6
Chloroethane
Concen: 41.308 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 64 Resp: 48069

Ion	Ratio	Lower	Upper
64	100		
66	34.6	26.6	39.8



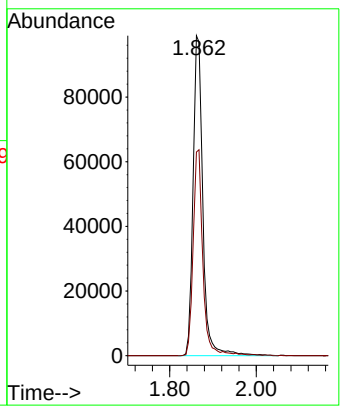


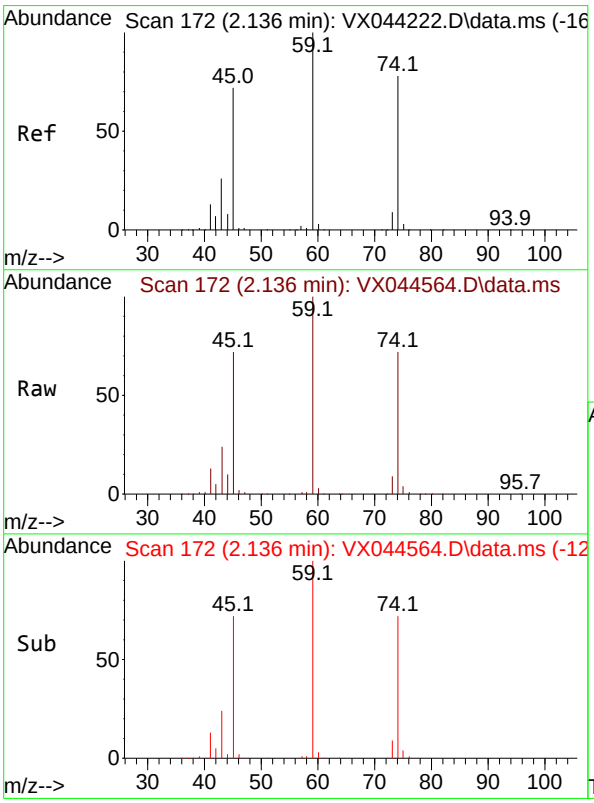
#7
Trichlorofluoromethane
Concen: 42.292 ug/l
RT: 1.862 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion:101 Resp: 154727

Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.8	77.8

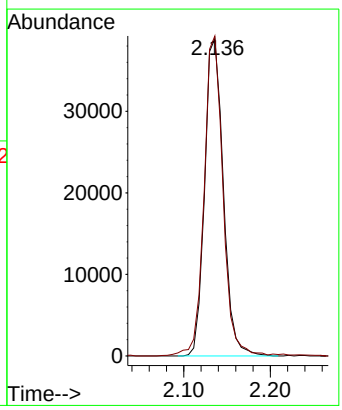


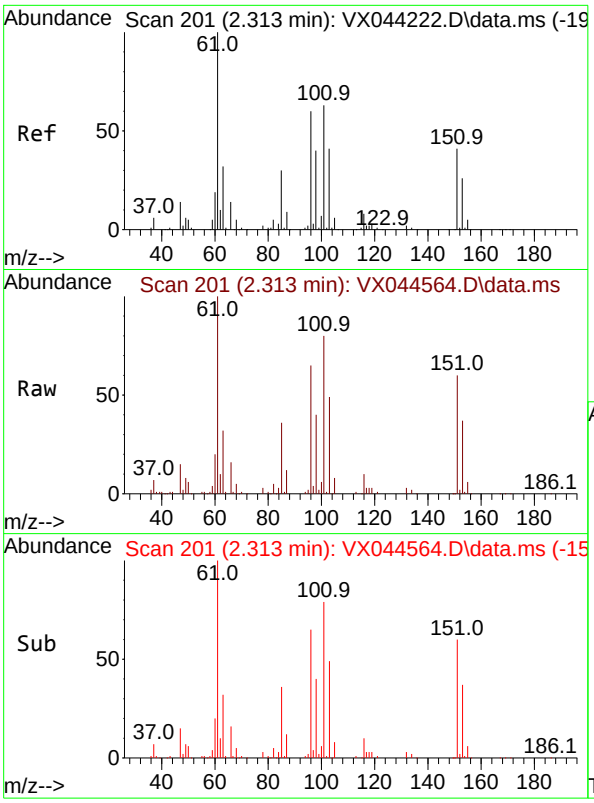


#8
Diethyl Ether
Concen: 46.547 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 74 Resp: 58129

Ion	Ratio	Lower	Upper
74	100		
45	102.4	48.4	145.0



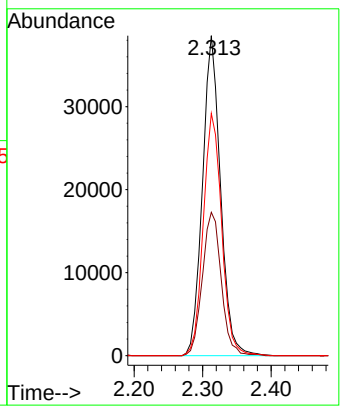


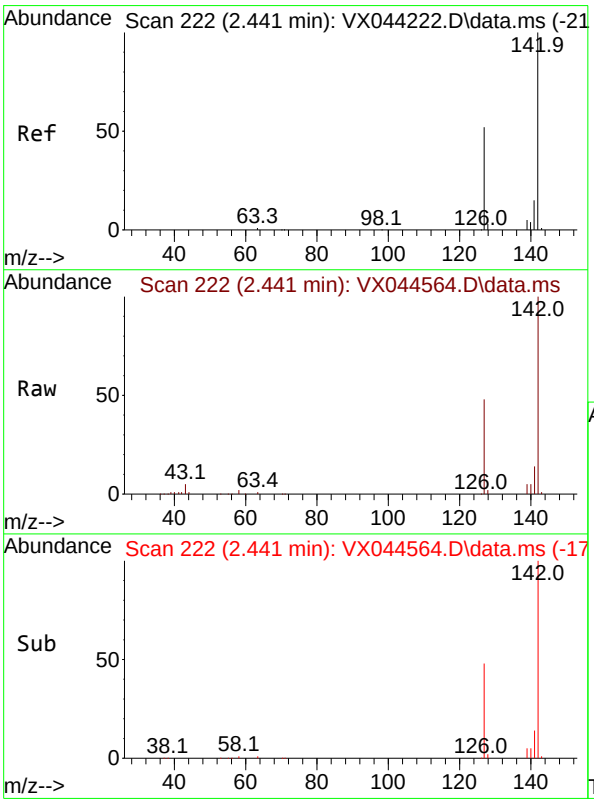
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.806 ug/l
RT: 2.313 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion:101 Resp: 70774

Ion	Ratio	Lower	Upper
101	100		
85	46.9	38.5	57.7
151	77.1	55.8	83.6

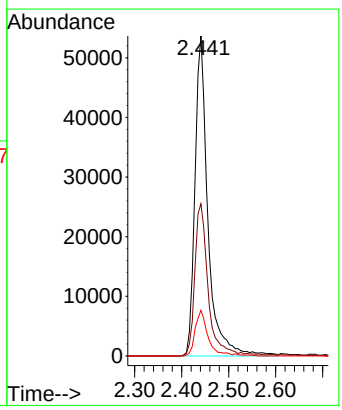


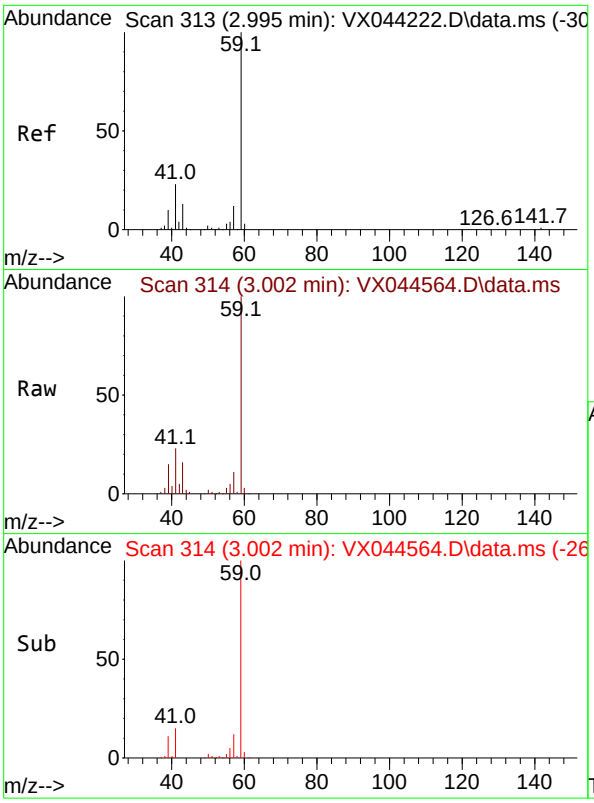


#10
Methyl Iodide
Concen: 53.011 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:142 Resp: 103433

Ion	Ratio	Lower	Upper
142	100		
127	49.2	41.8	62.8
141	14.3	11.5	17.3



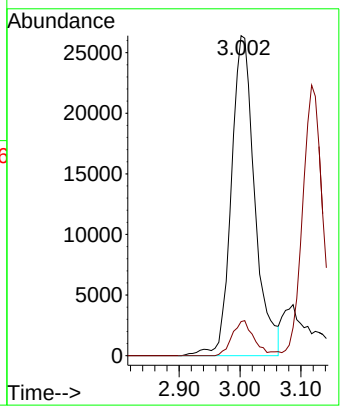


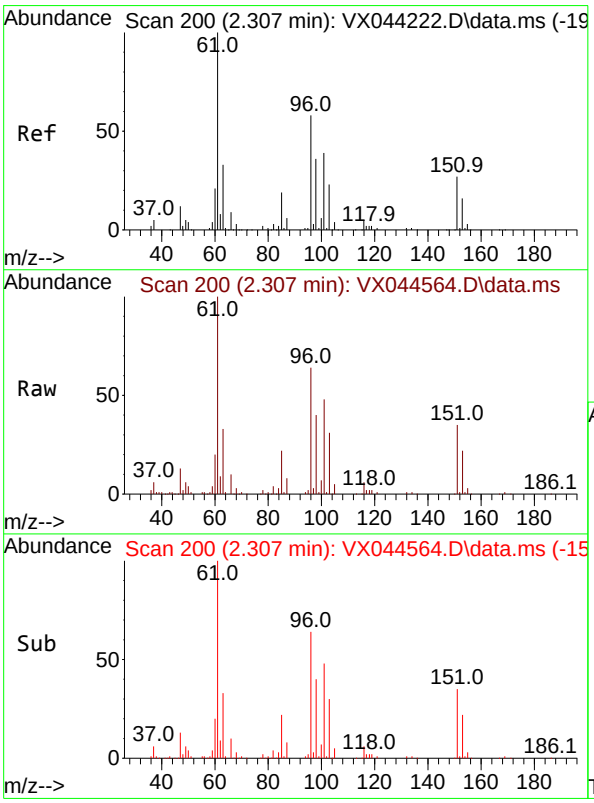
#11
Tert butyl alcohol
Concen: 235.879 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 59 Resp: 70711

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.8	13.2

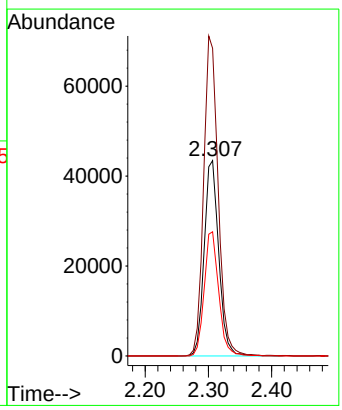


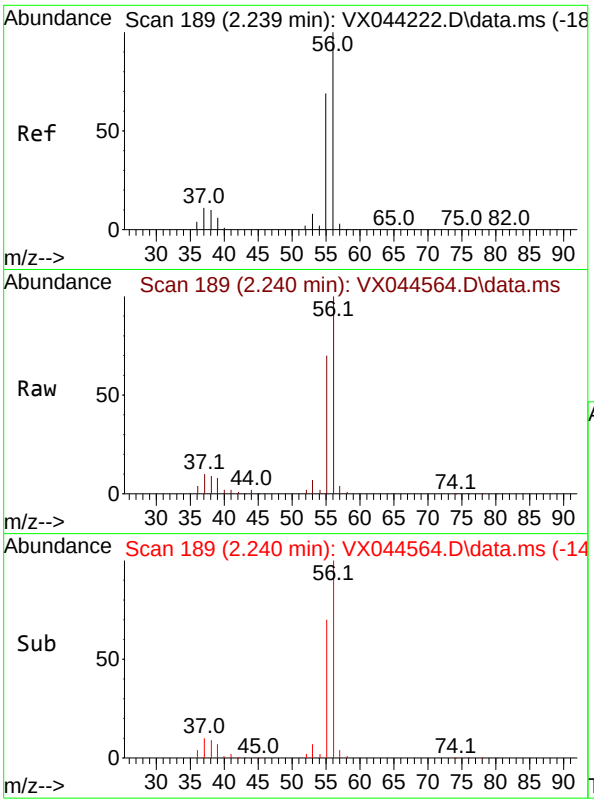


#12
1,1-Dichloroethene
Concen: 51.227 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 96 Resp: 69658

Ion	Ratio	Lower	Upper
96	100		
61	157.5	138.0	207.0
98	63.5	50.0	75.0



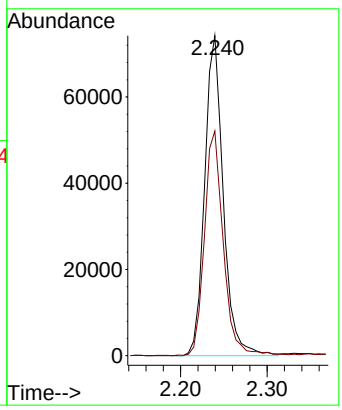


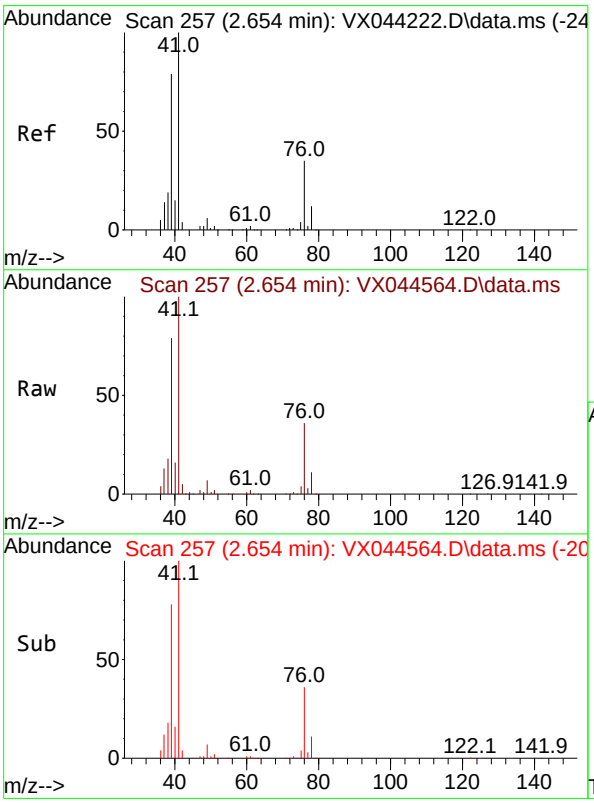
#13
Acrolein
Concen: 254.563 ug/l
RT: 2.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 56 Resp: 110465

Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.6	84.8

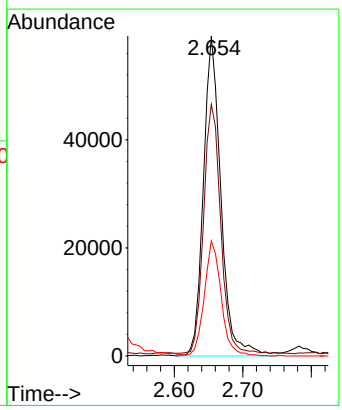


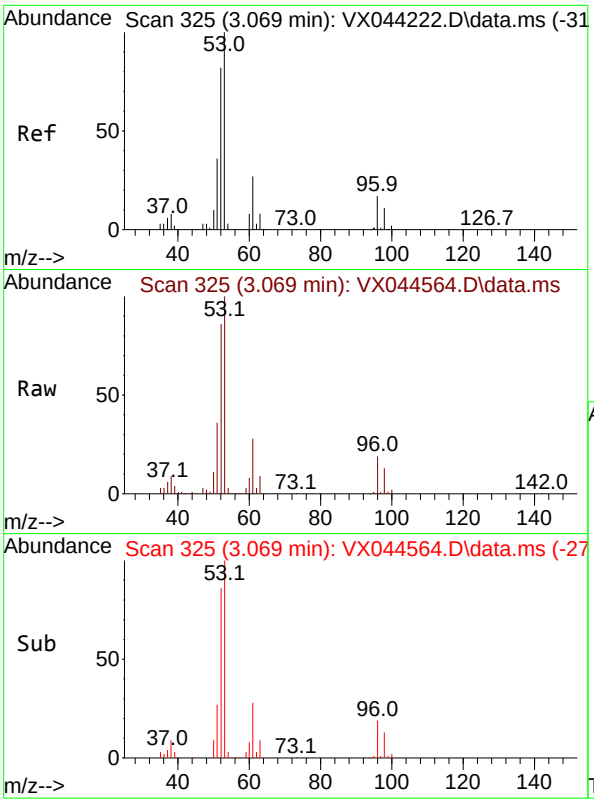


#14
Allyl chloride
Concen: 46.763 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 41 Resp: 105915

Ion	Ratio	Lower	Upper
41	100		
39	76.0	61.9	92.9
76	34.5	27.4	41.2



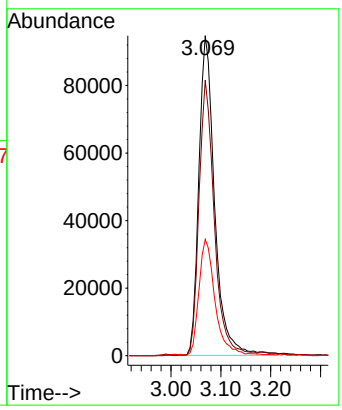


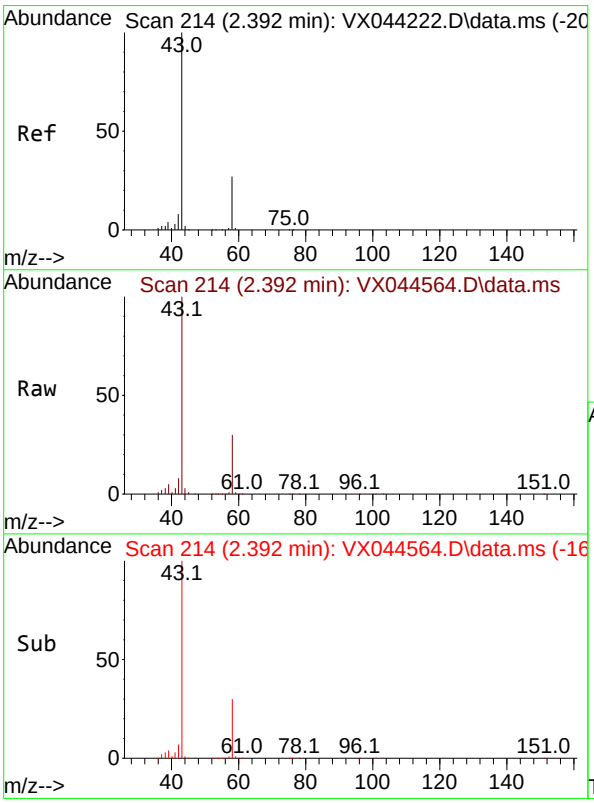
#15
Acrylonitrile
Concen: 251.269 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 53 Resp: 208653

Ion	Ratio	Lower	Upper
53	100		
52	83.5	67.4	101.0
51	37.0	30.3	45.5

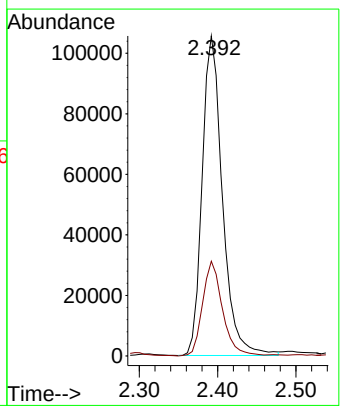


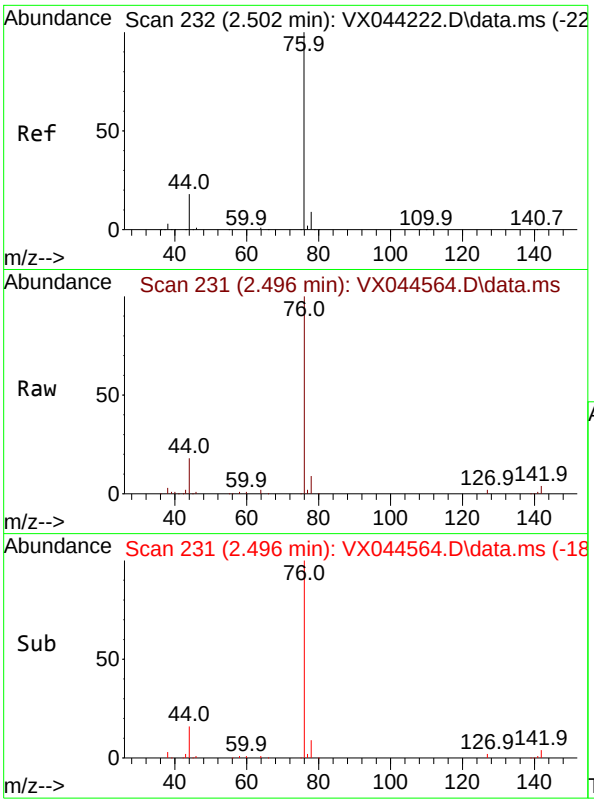


#16
Acetone
Concen: 219.139 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 43 Resp: 190030

Ion	Ratio	Lower	Upper
43	100		
58	29.6	21.6	32.4



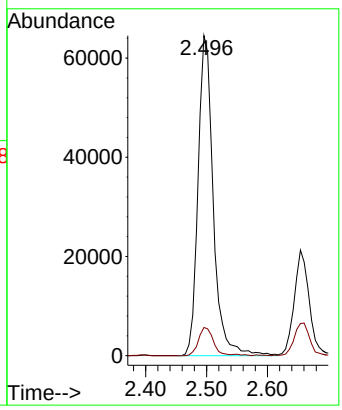


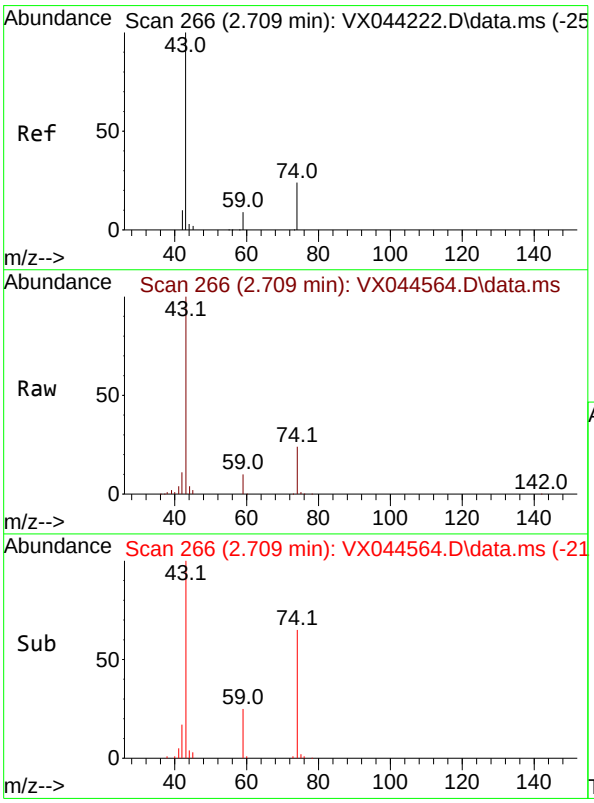
#17
Carbon Disulfide
Concen: 43.345 ug/l
RT: 2.496 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 76 Resp: 112038

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0

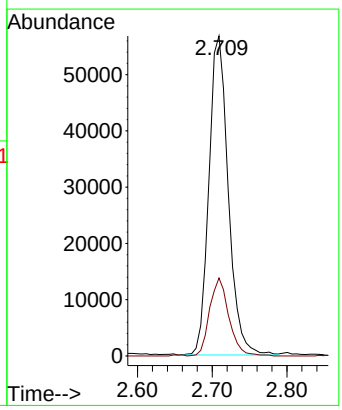


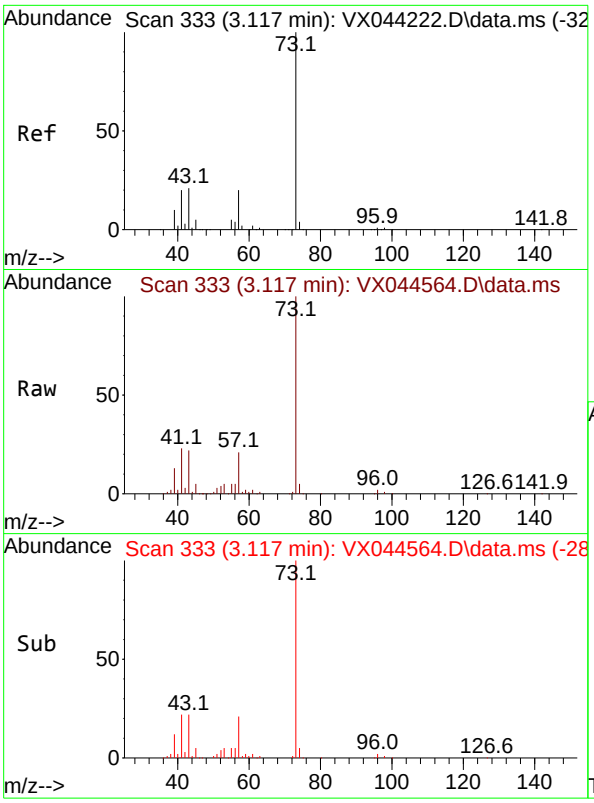


#18
Methyl Acetate
Concen: 45.686 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 43 Resp: 102149

Ion	Ratio	Lower	Upper
43	100		
74	24.3	17.7	26.5



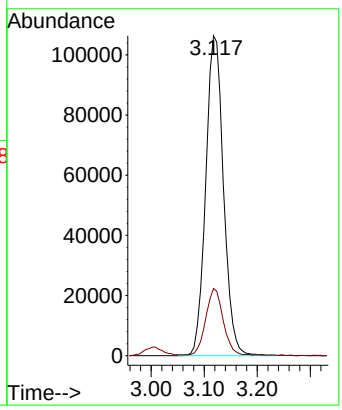


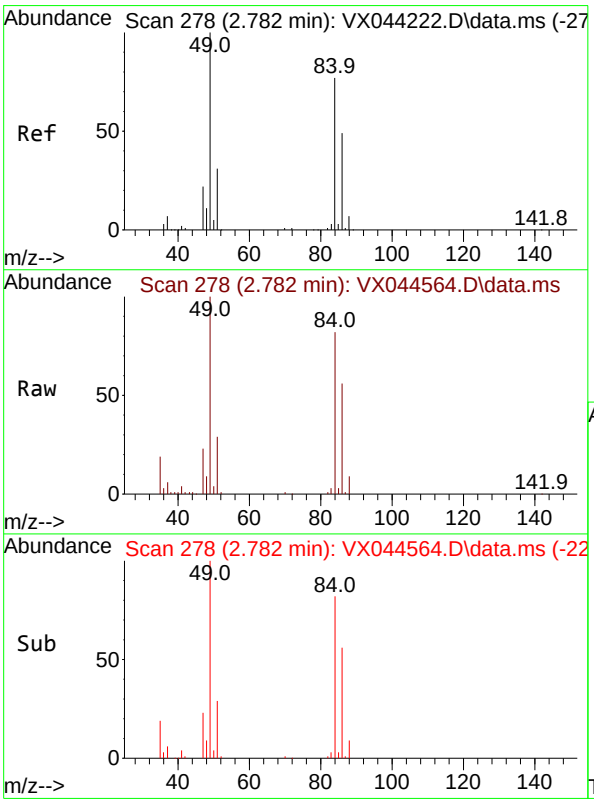
#19
Methyl tert-butyl Ether
Concen: 46.665 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 73 Resp: 247621

Ion	Ratio	Lower	Upper
73	100		
57	20.9	16.2	24.4

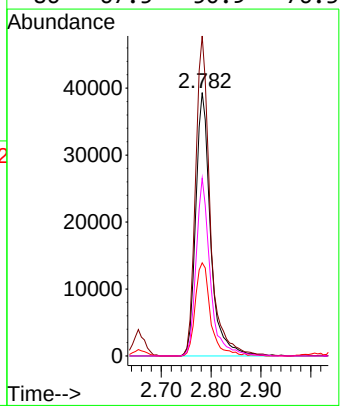


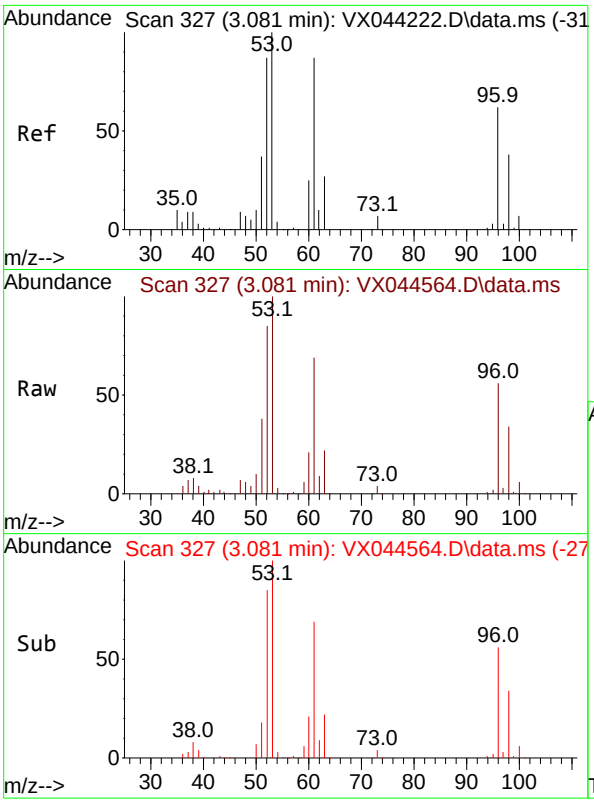


#20
Methylene Chloride
Concen: 49.724 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 84 Resp: 80988

Ion	Ratio	Lower	Upper
84	100		
49	121.5	104.2	156.4
51	35.4	32.2	48.4
86	67.5	50.9	76.3



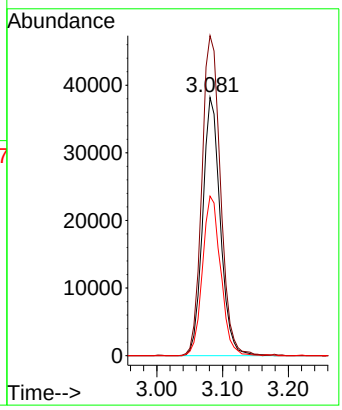


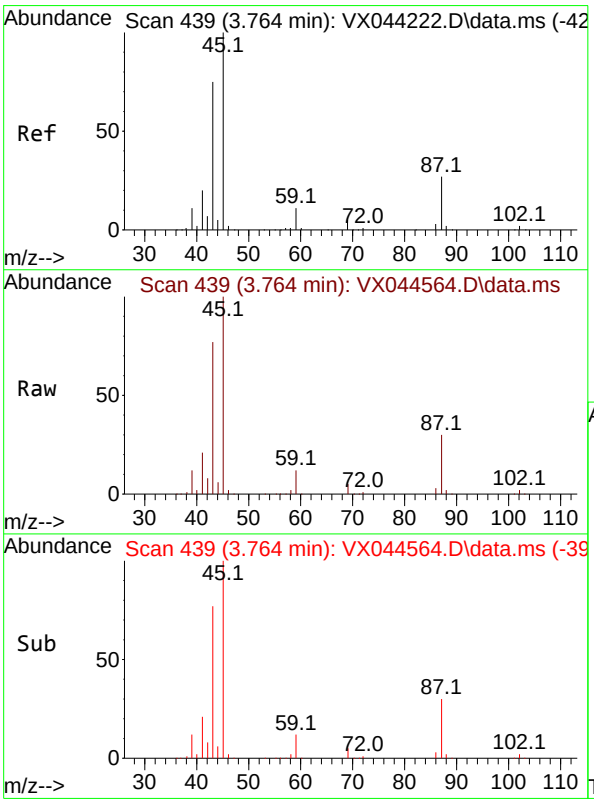
#21
trans-1,2-Dichloroethene
Concen: 49.270 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 96 Resp: 71203

Ion	Ratio	Lower	Upper
96	100		
61	123.9	112.0	168.0
98	61.8	48.8	73.2

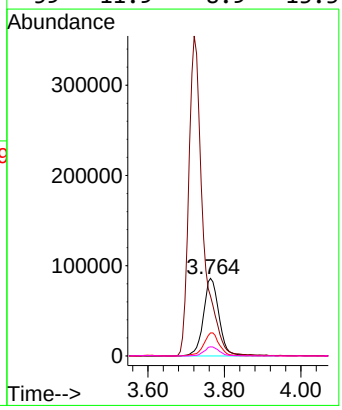


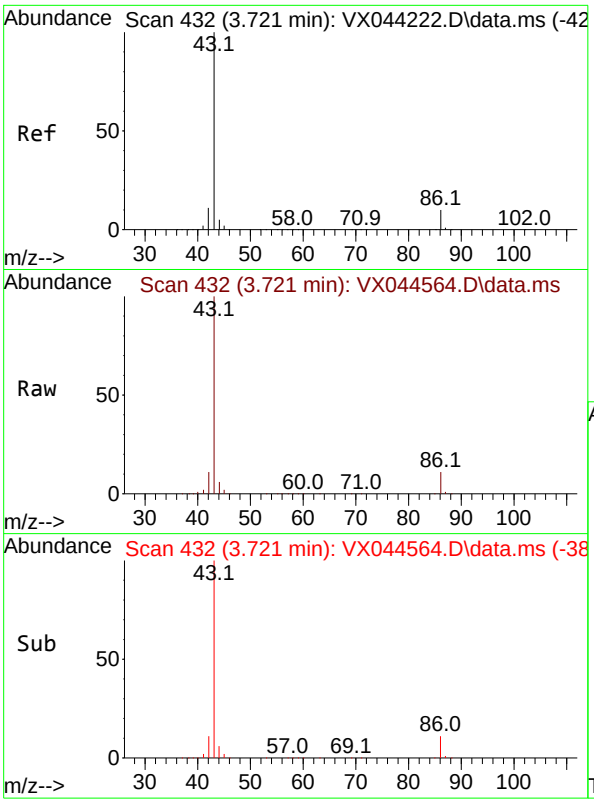


#22
Diisopropyl ether
Concen: 47.920 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 45 Resp: 244400

Ion	Ratio	Lower	Upper
45	100		
43	76.5	60.2	90.2
87	29.7	21.2	31.8
59	11.9	8.9	13.3



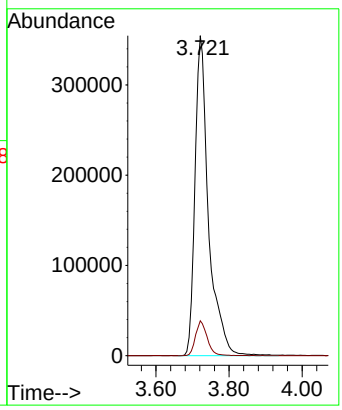


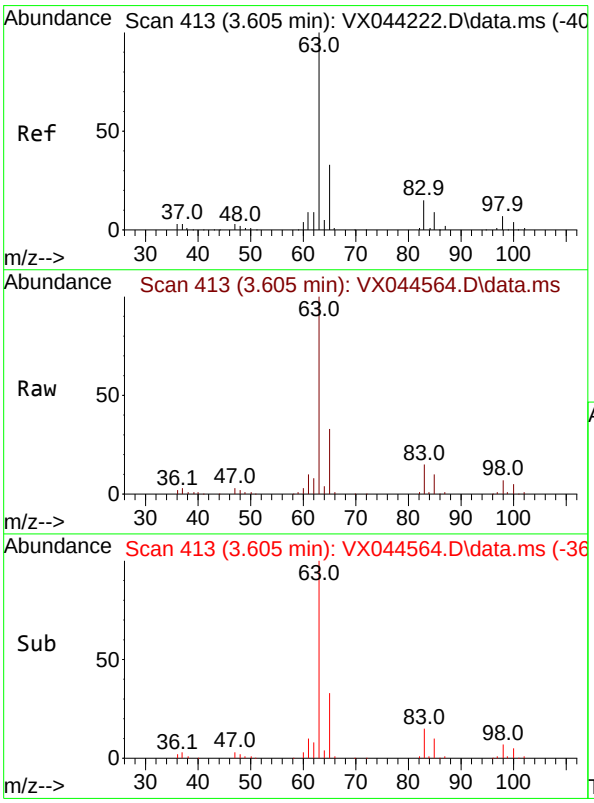
#23
Vinyl Acetate
Concen: 220.996 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 43 Resp: 916352

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.2	12.2

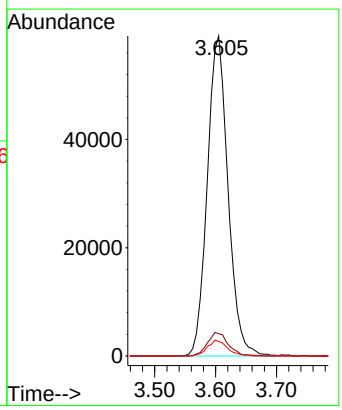


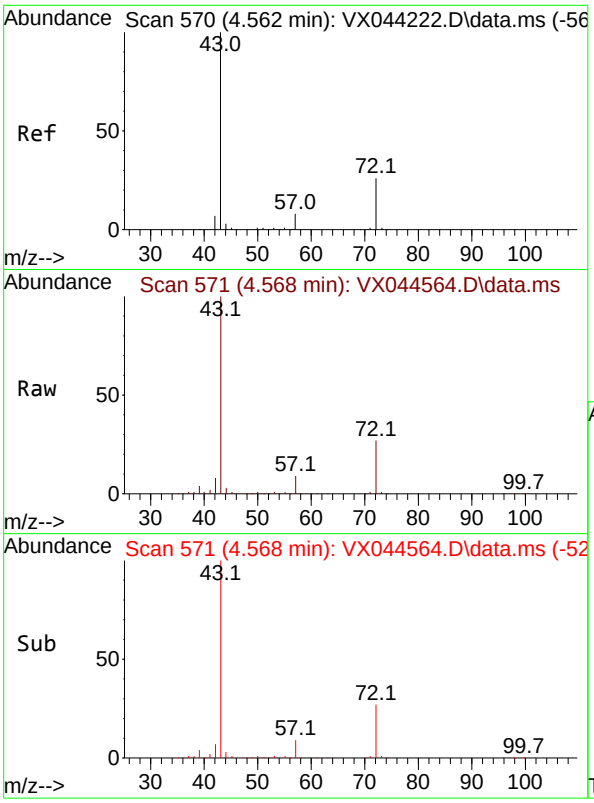


#24
1,1-Dichloroethane
Concen: 49.224 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 63 Resp: 139942

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.6	10.8
100	4.6	2.1	6.3



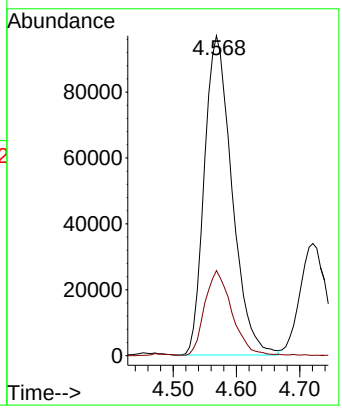


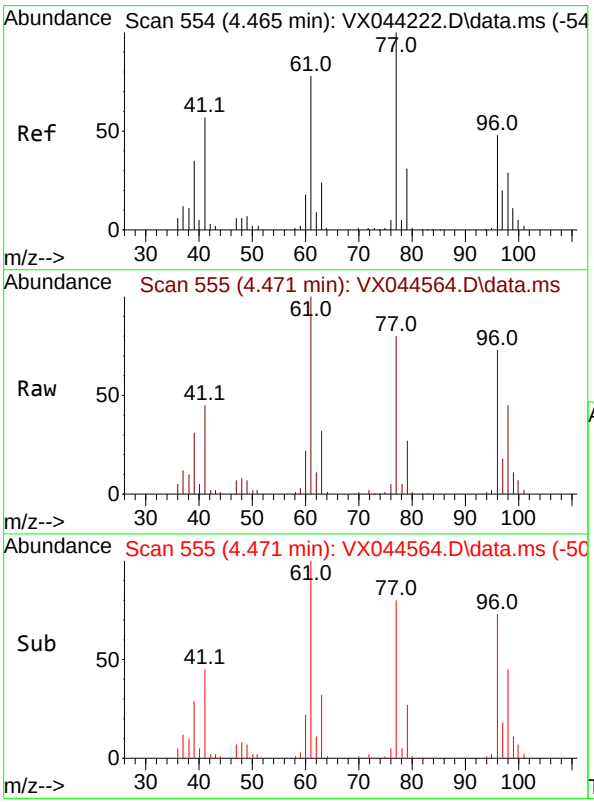
#25
2-Butanone
Concen: 238.533 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 43 Resp: 294063

Ion	Ratio	Lower	Upper
43	100		
72	26.5	20.2	30.4

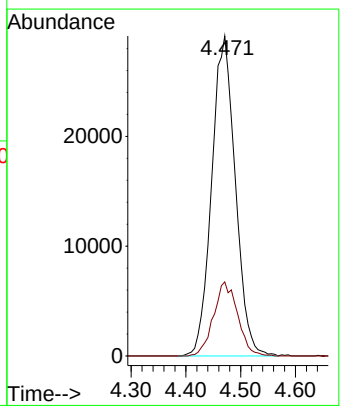


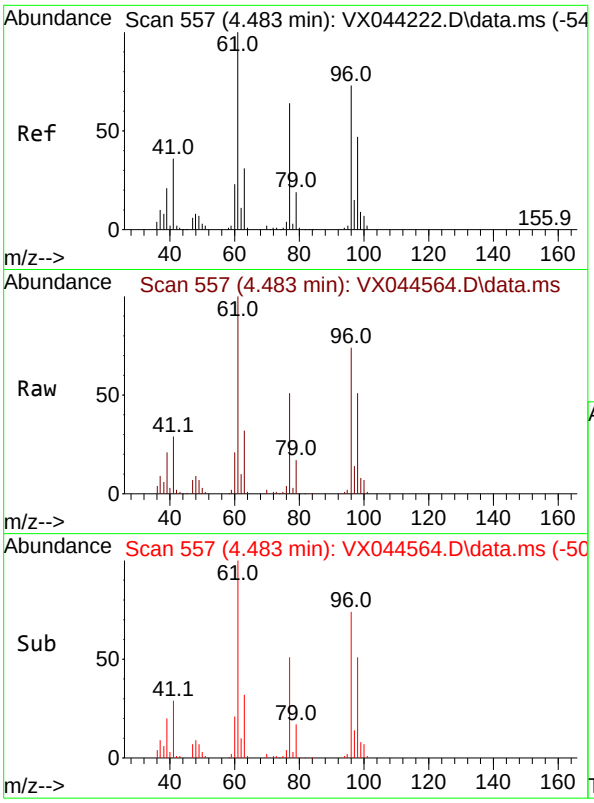


#26
2,2-Dichloropropane
Concen: 37.863 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 77 Resp: 87448

Ion	Ratio	Lower	Upper
77	100		
97	23.5	10.7	32.1



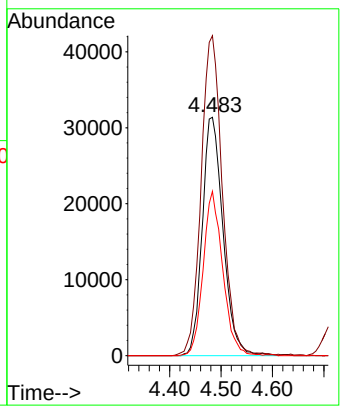


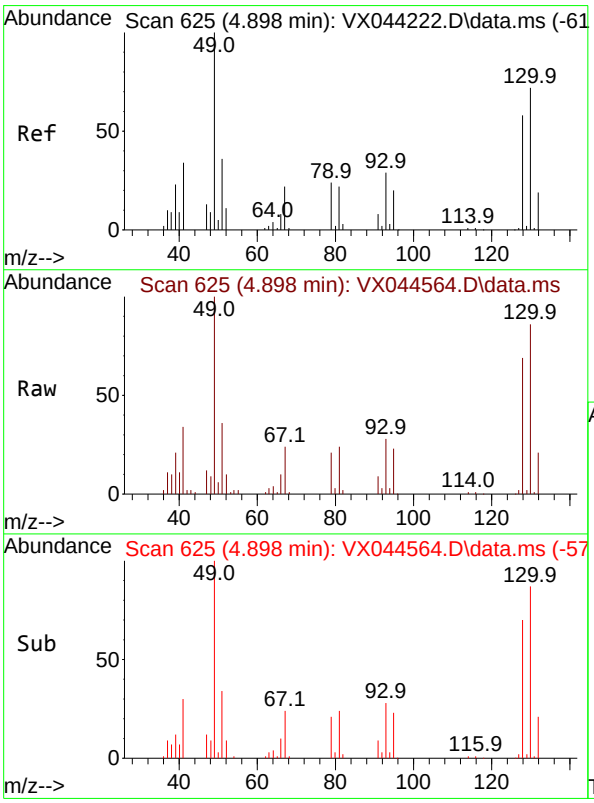
#27
cis-1,2-Dichloroethene
Concen: 47.974 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 96 Resp: 88051

Ion	Ratio	Lower	Upper
96	100		
61	137.5	0.0	299.0
98	64.9	0.0	129.0

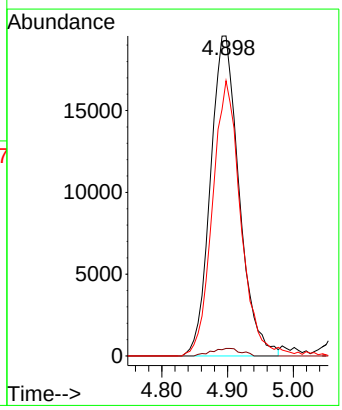


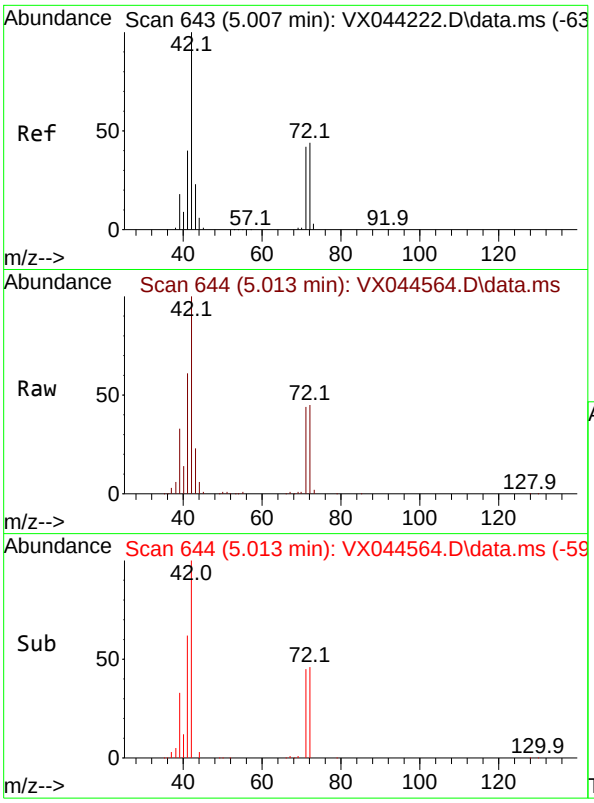


#28
Bromochloromethane
Concen: 42.609 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 49 Resp: 59400

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	84.7	62.1	93.1



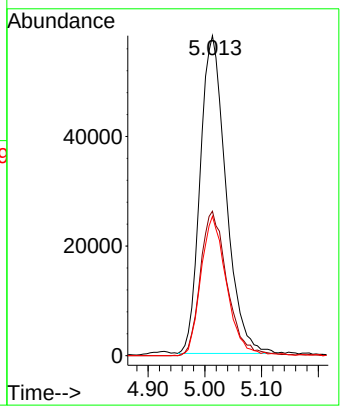


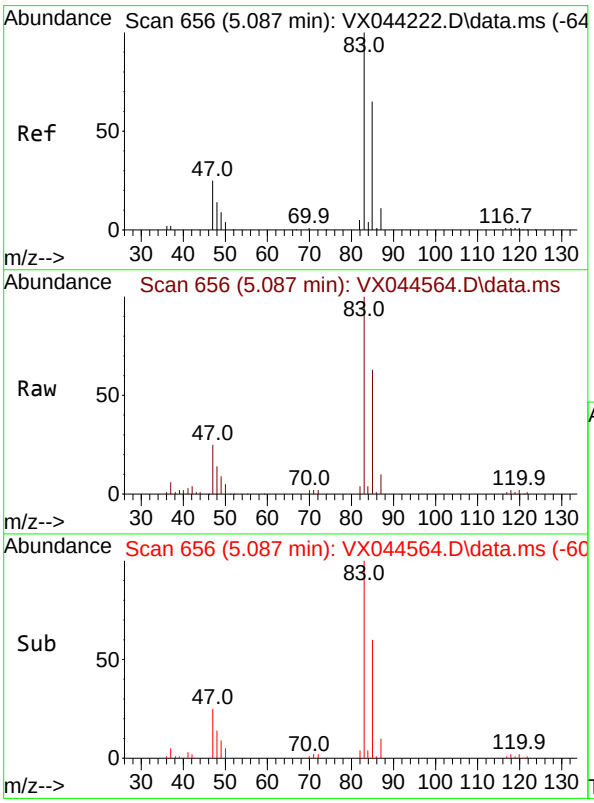
#29
Tetrahydrofuran
Concen: 231.621 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 42 Resp: 183280

Ion	Ratio	Lower	Upper
42	100		
72	47.3	37.0	55.6
71	43.9	33.6	50.4

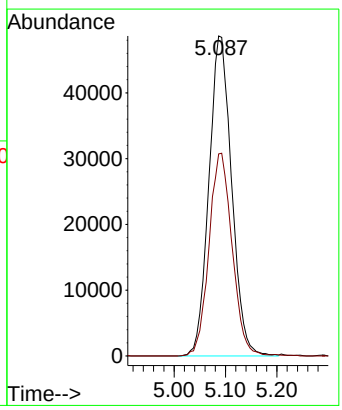


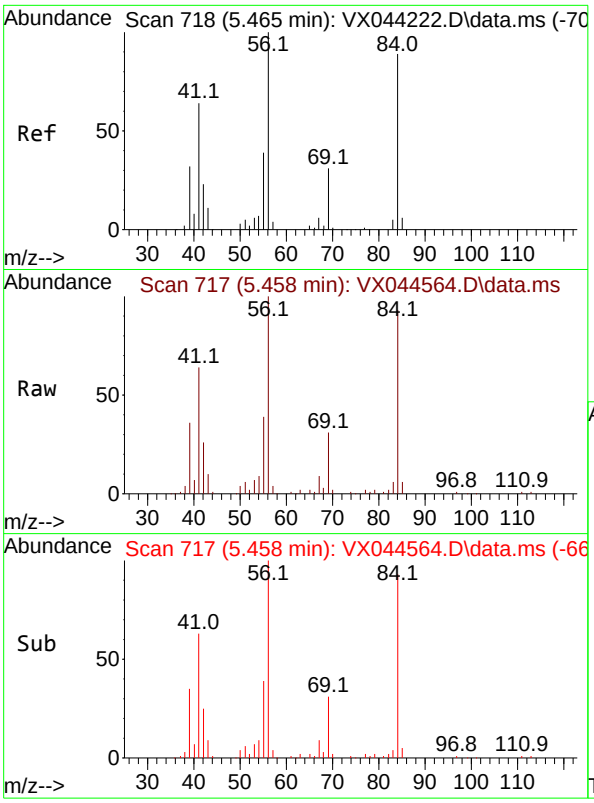


#30
Chloroform
Concen: 46.695 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 83 Resp: 149152

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.6	77.4



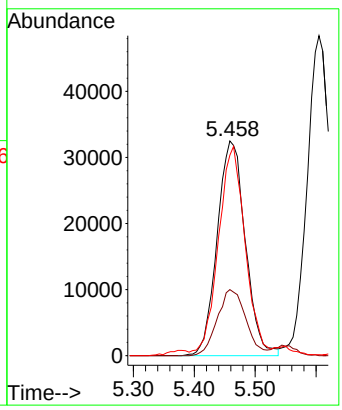


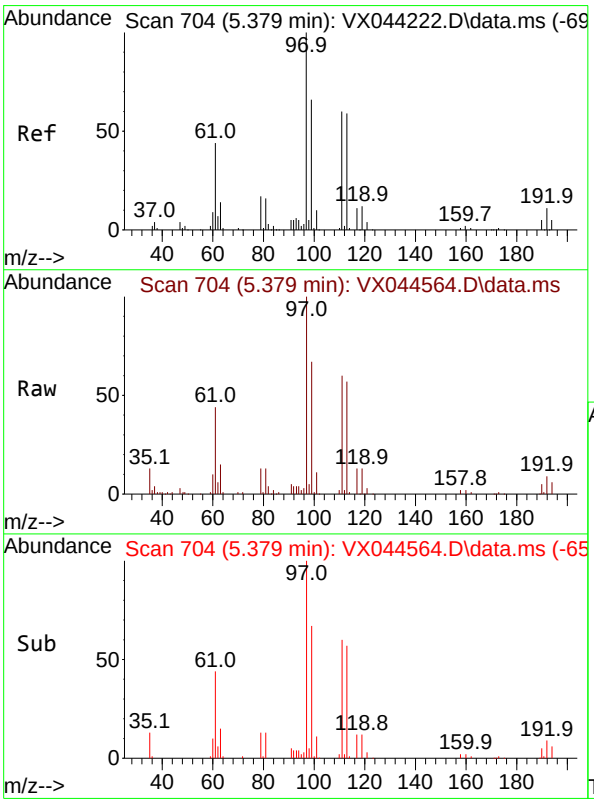
#31
Cyclohexane
Concen: 45.435 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 56 Resp: 104306

Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.7	37.1
84	90.9	71.0	106.6

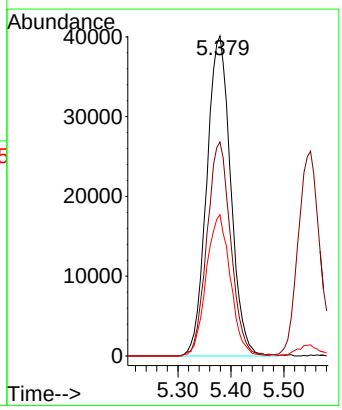


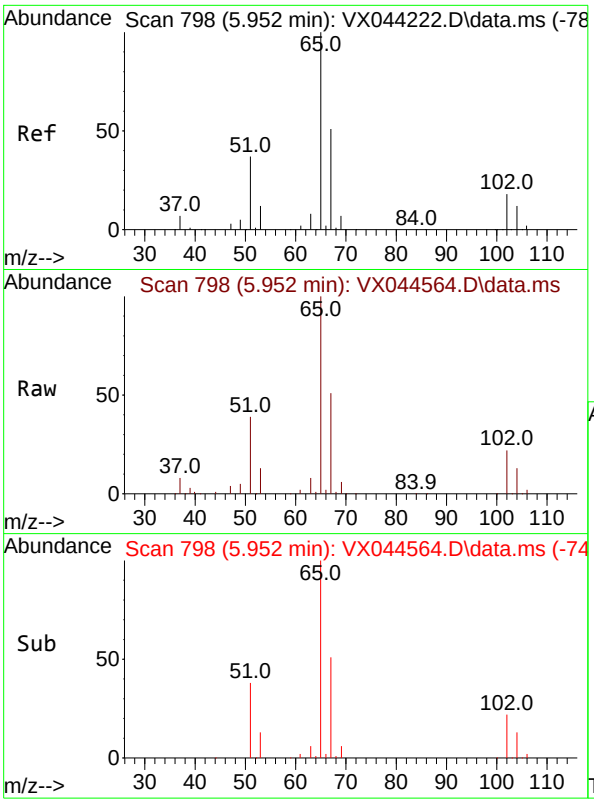


#32
1,1,1-Trichloroethane
Concen: 47.355 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 97 Resp: 125559

Ion	Ratio	Lower	Upper
97	100		
99	66.2	50.8	76.2
61	44.7	35.2	52.8



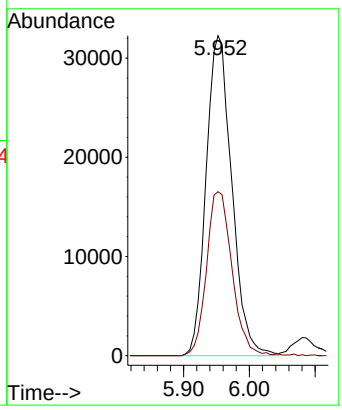


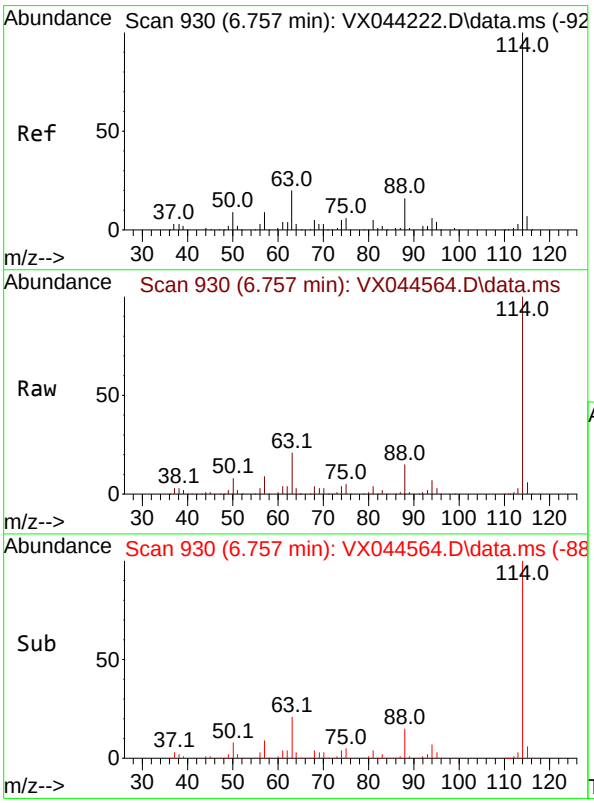
#33
1,2-Dichloroethane-d4
Concen: 41.250 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 65 Resp: 87740

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	101.6

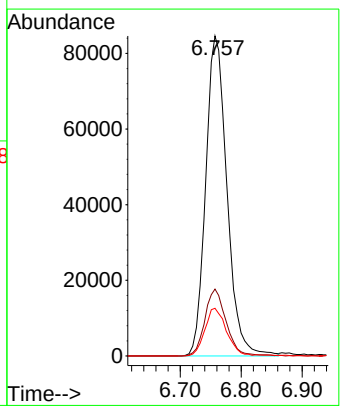


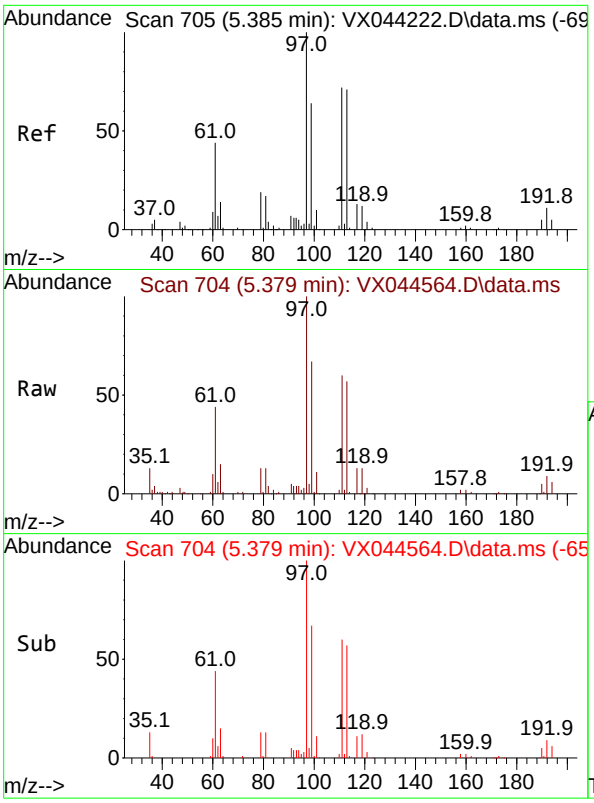


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:114 Resp: 205358

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.6
88	14.9	0.0	31.8



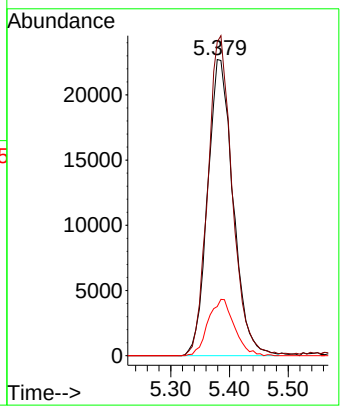


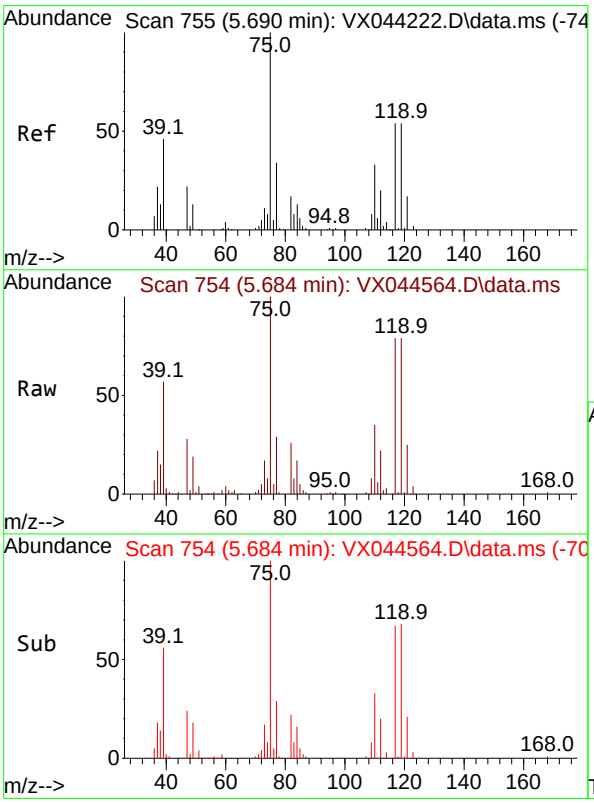
#35
Dibromofluoromethane
Concen: 48.065 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion:113 Resp: 68362

Ion	Ratio	Lower	Upper
113	100		
111	104.2	80.4	120.6
192	19.6	13.3	19.9

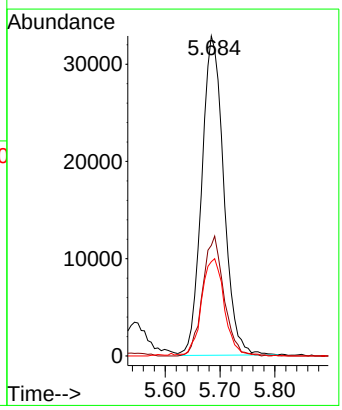


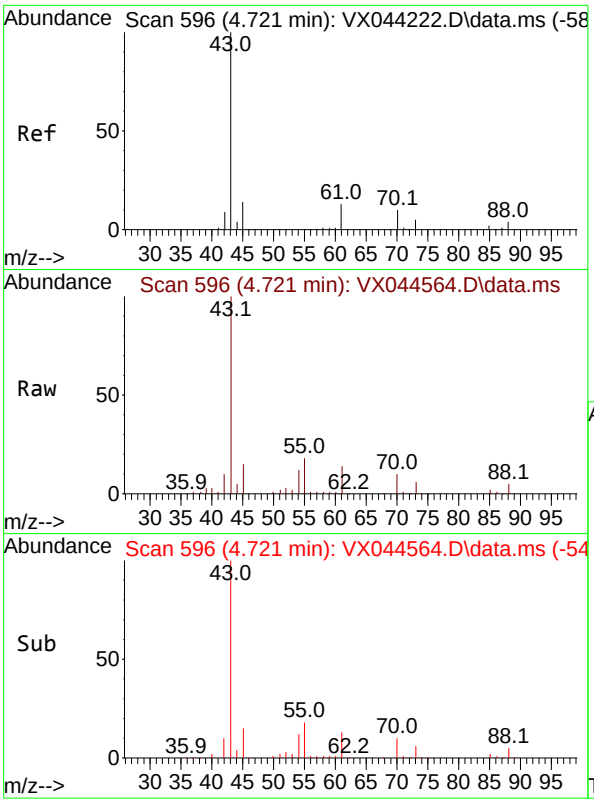


#36
1,1-Dichloropropene
Concen: 49.700 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 75 Resp: 91374

Ion	Ratio	Lower	Upper
75	100		
110	36.3	17.3	51.7
77	31.6	25.4	38.0



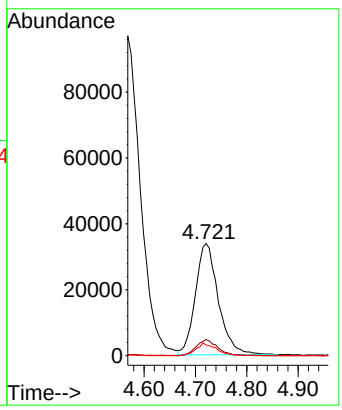


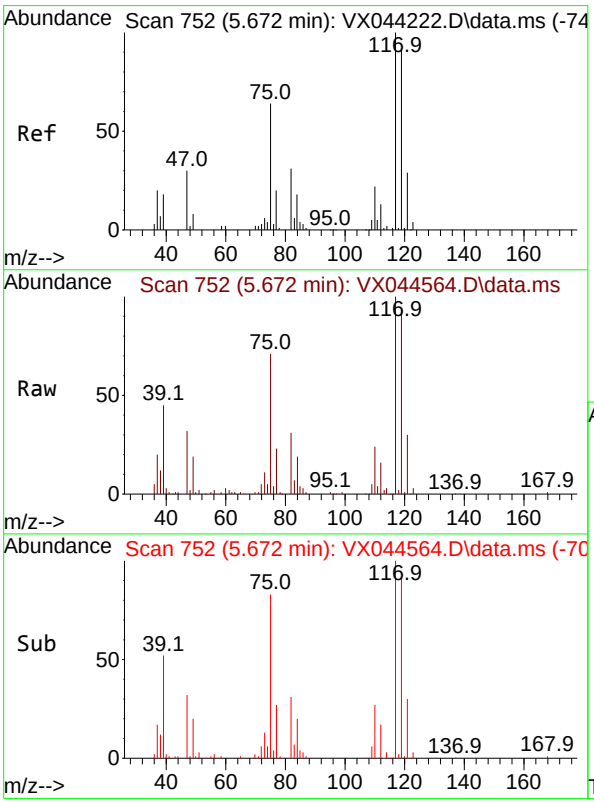
#37
Ethyl Acetate
Concen: 46.311 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 43 Resp: 105248

Ion	Ratio	Lower	Upper
43	100		
61	13.4	9.8	14.8
70	10.0	7.7	11.5

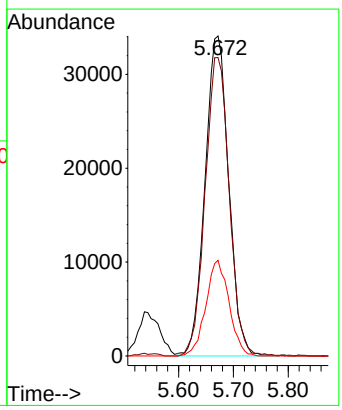


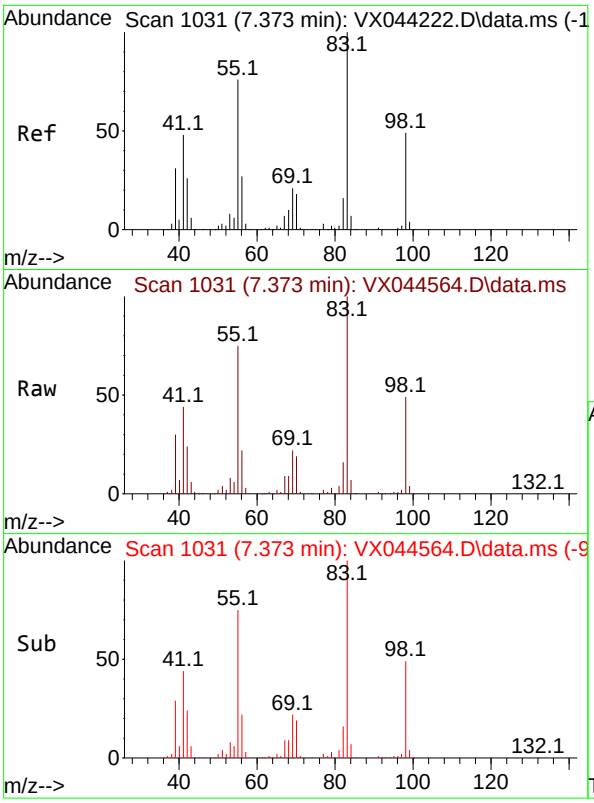


#38
Carbon Tetrachloride
Concen: 51.592 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:117 Resp: 102117

Ion	Ratio	Lower	Upper
117	100		
119	93.3	74.2	111.4
121	29.9	23.0	34.6



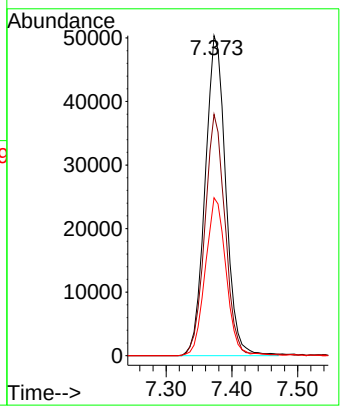


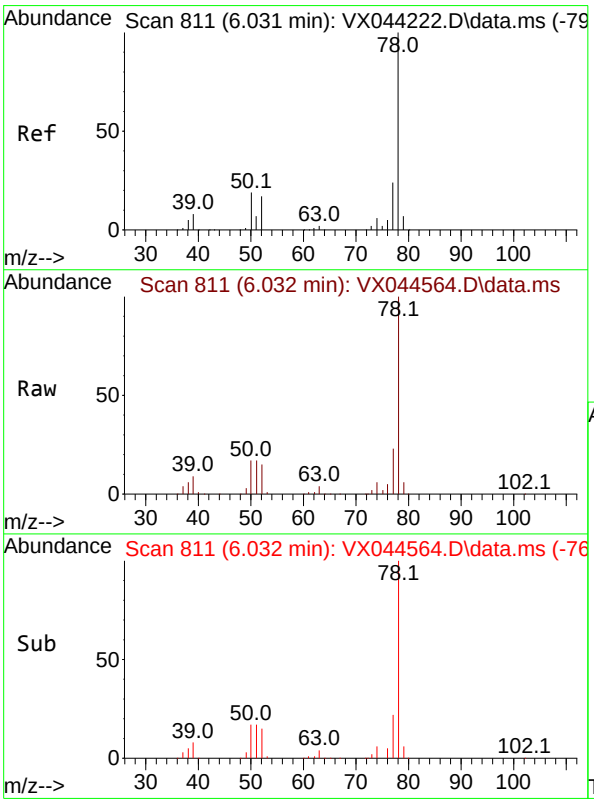
#39
Methylcyclohexane
Concen: 49.940 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 83 Resp: 109762

Ion	Ratio	Lower	Upper
83	100		
55	75.4	60.7	91.1
98	49.3	38.9	58.3

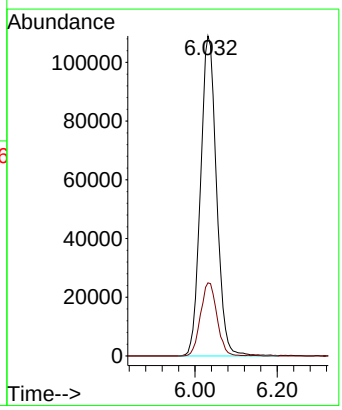


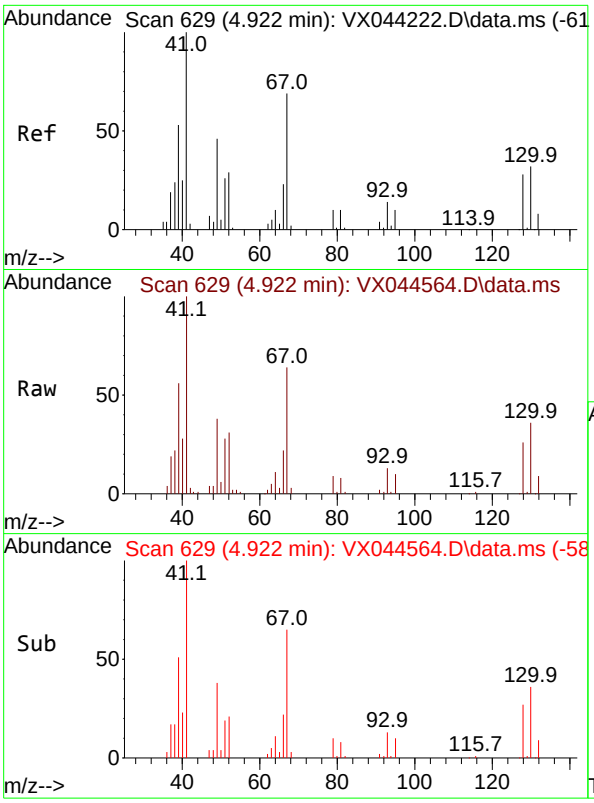


#40
Benzene
Concen: 52.662 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 78 Resp: 293960

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.3	28.9



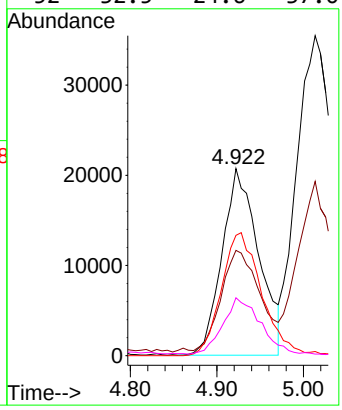


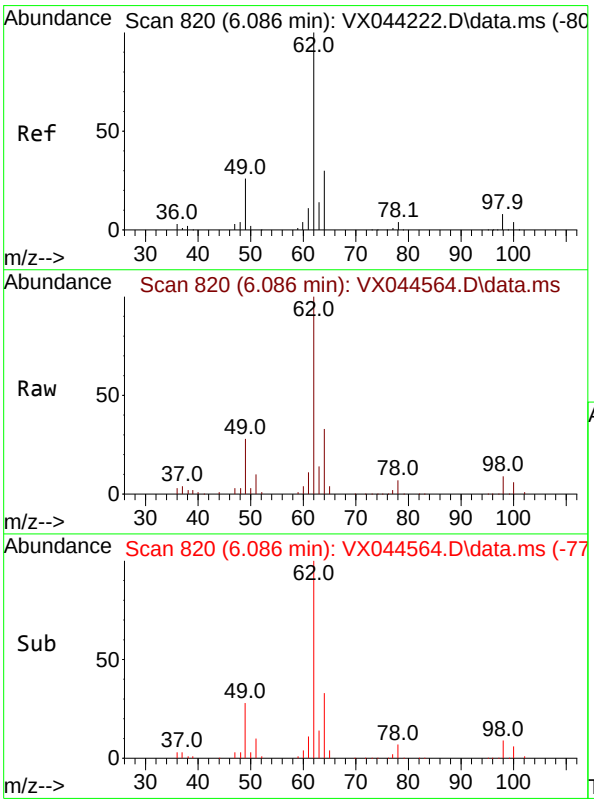
#41
Methacrylonitrile
Concen: 50.552 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 41 Resp: 61005

Ion	Ratio	Lower	Upper
41	100		
39	56.3	44.2	66.4
67	72.5	57.2	85.8
52	32.5	24.6	37.0

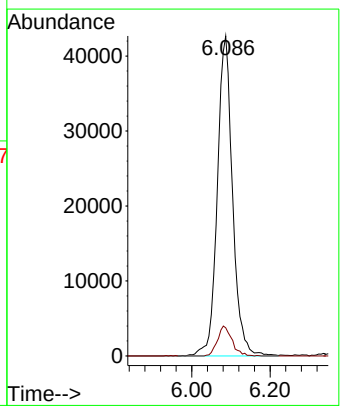


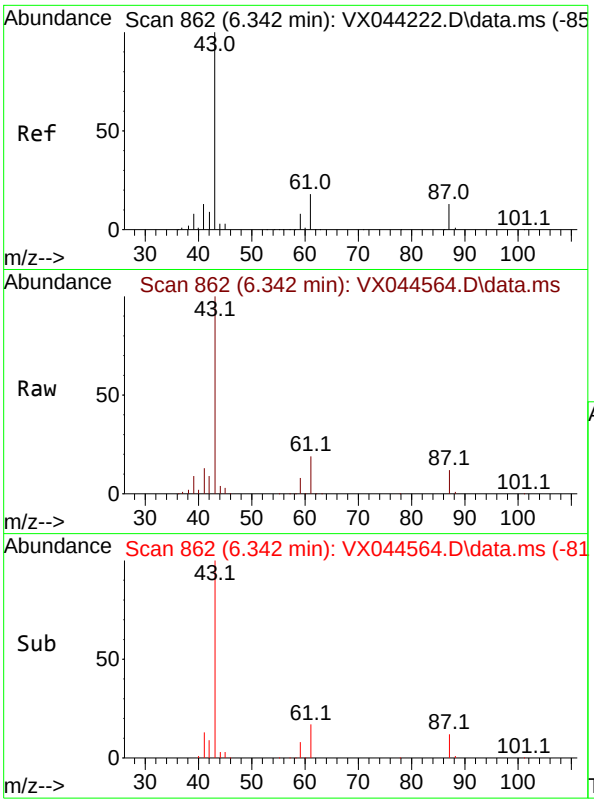


#42
1,2-Dichloroethane
Concen: 50.181 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 62 Resp: 115387

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	15.8



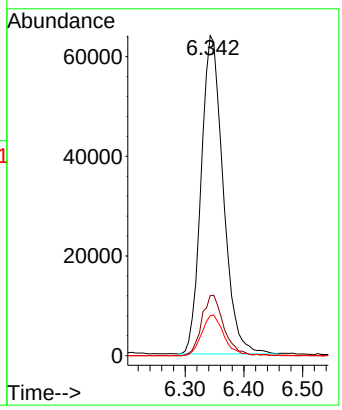


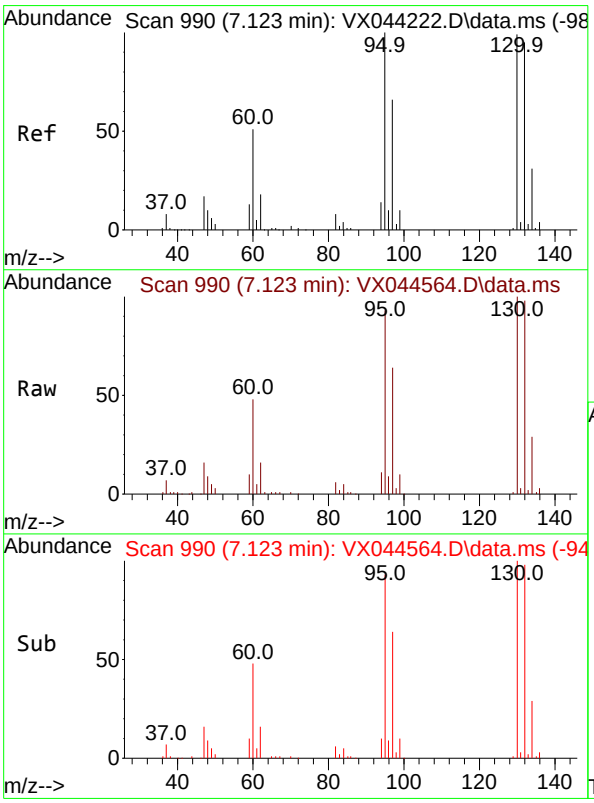
#43
Isopropyl Acetate
Concen: 46.938 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 43 Resp: 166728

Ion	Ratio	Lower	Upper
43	100		
61	19.1	14.2	21.2
87	12.8	10.2	15.2

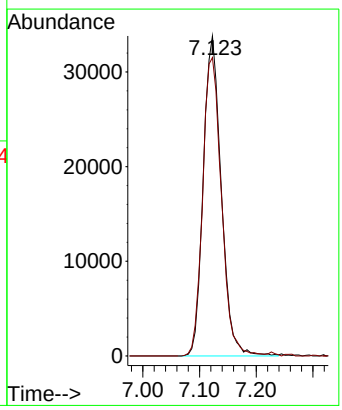


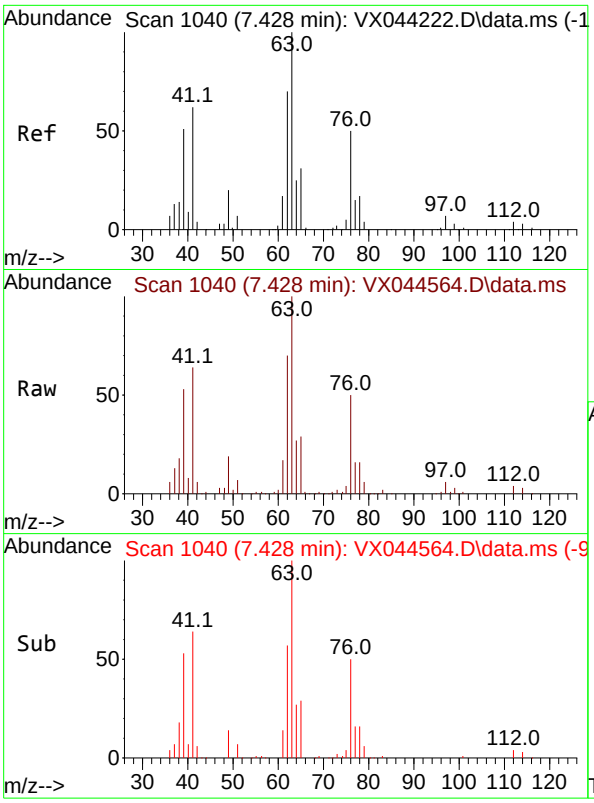


#44
Trichloroethene
Concen: 53.561 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:130 Resp: 74557

Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	201.4



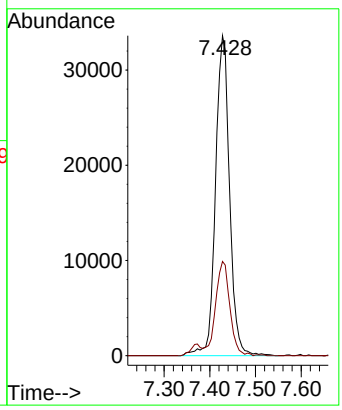


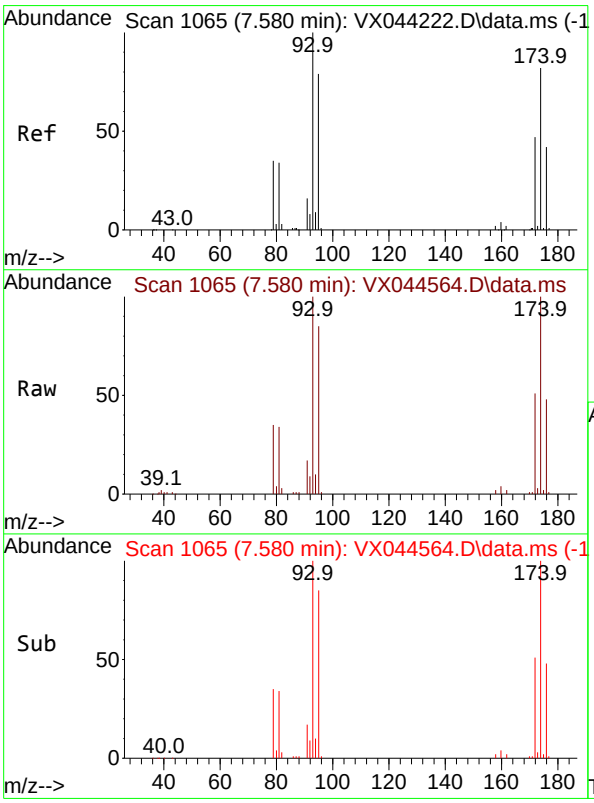
#45
1,2-Dichloropropane
Concen: 50.376 ug/l
RT: 7.428 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 63 Resp: 71842

Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.6	37.0

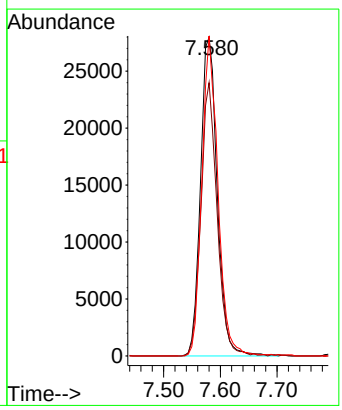


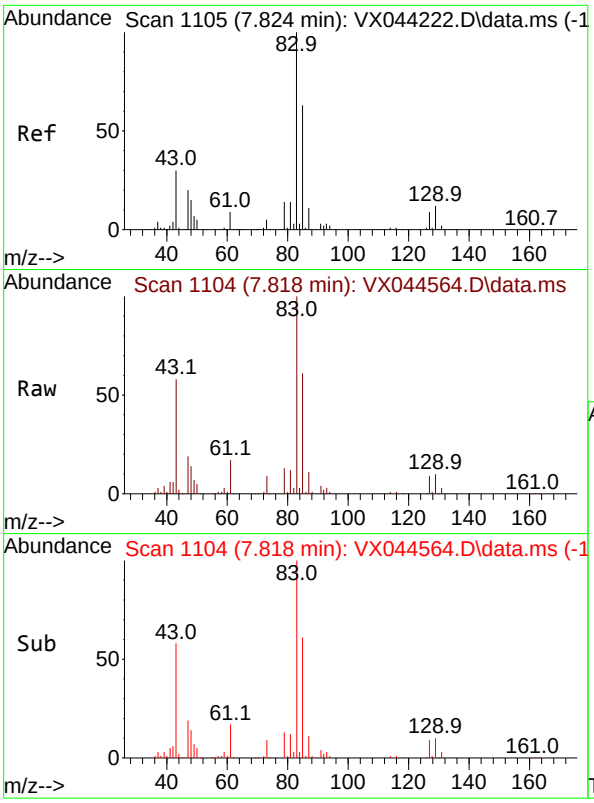


#46
Dibromomethane
Concen: 51.877 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 93 Resp: 57396

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.4	98.2
174	96.6	67.9	101.9



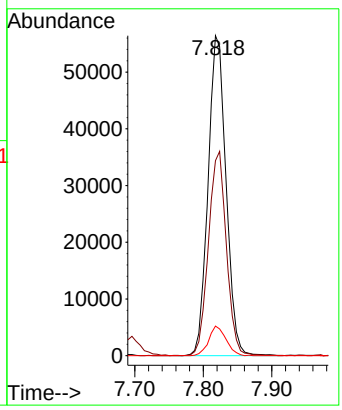


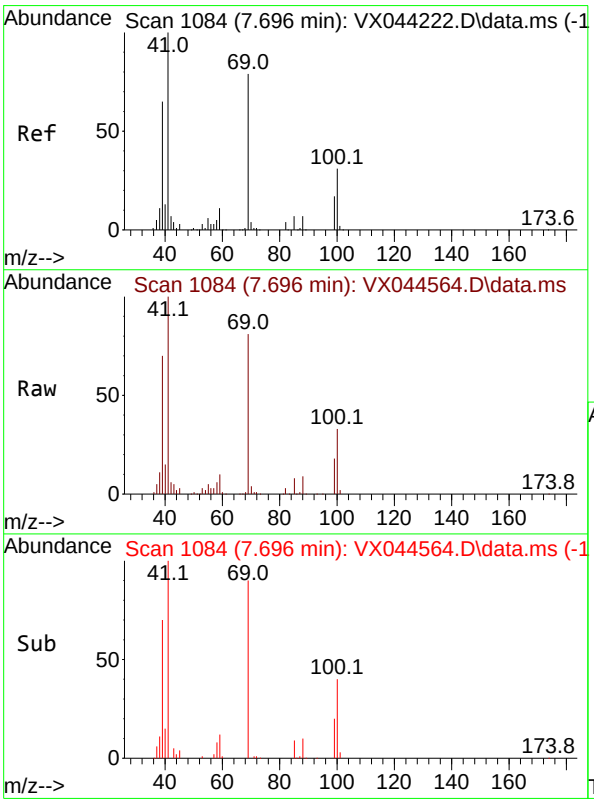
#47
Bromodichloromethane
Concen: 53.927 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 83 Resp: 103042

Ion	Ratio	Lower	Upper
83	100		
85	60.9	50.6	75.8
127	9.3	7.3	10.9

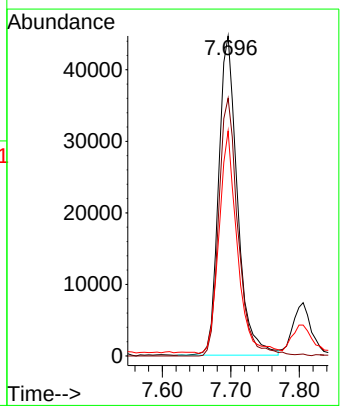


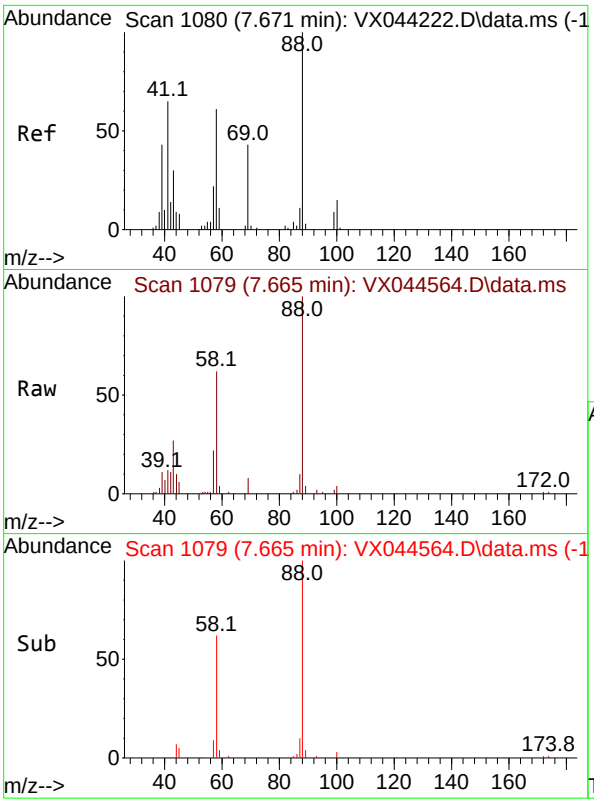


#48
Methyl methacrylate
Concen: 49.103 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 41 Resp: 84667

Ion	Ratio	Lower	Upper
41	100		
69	82.9	62.4	93.6
39	67.5	53.3	79.9



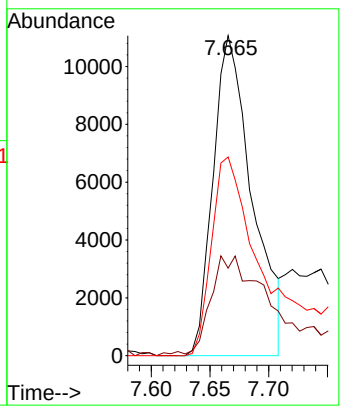


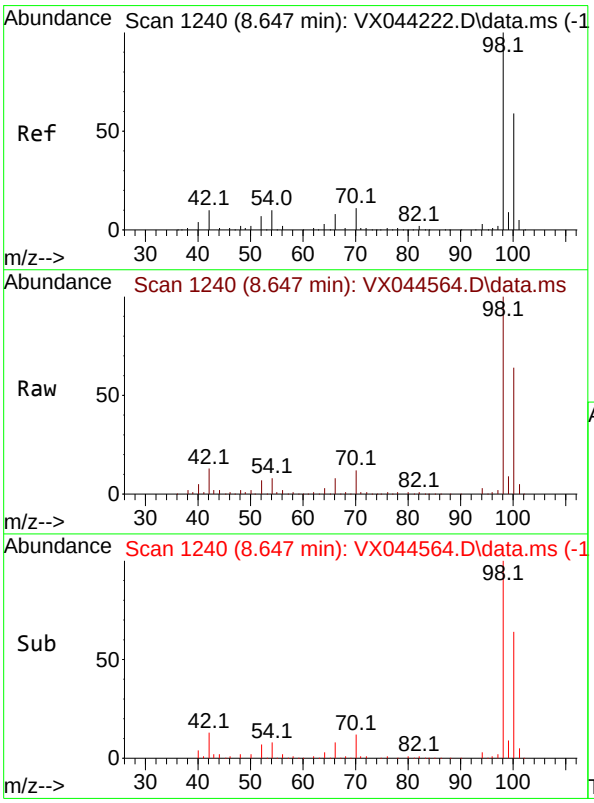
#49
1,4-Dioxane
Concen: 898.356 ug/l
RT: 7.665 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 88 Resp: 25682

Ion	Ratio	Lower	Upper
88	100		
43	48.5	27.1	40.7#
58	81.7	41.0	61.4#

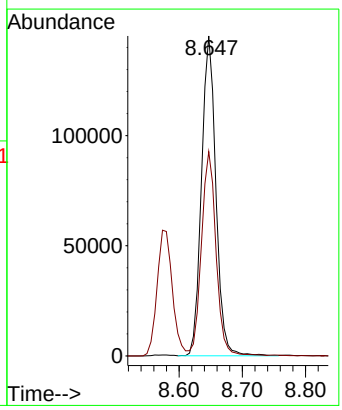


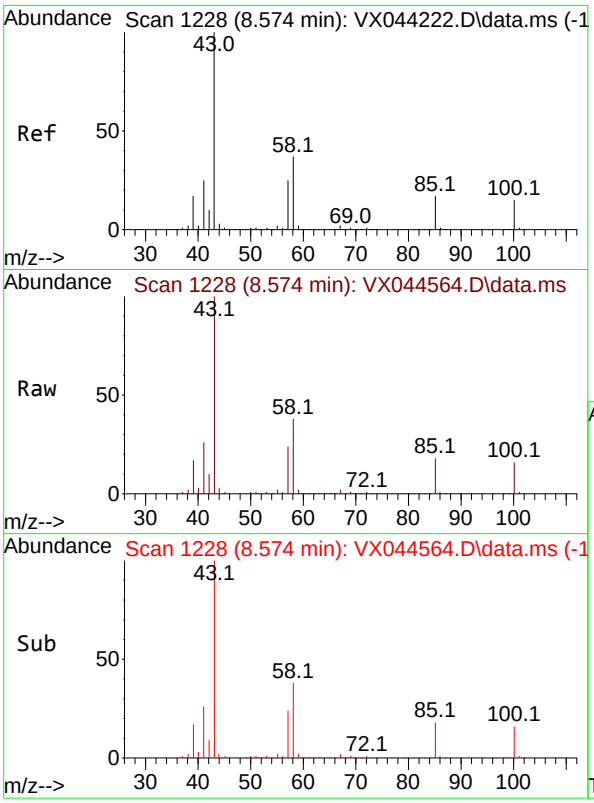


#50
Toluene-d8
Concen: 47.940 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 98 Resp: 230036

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3



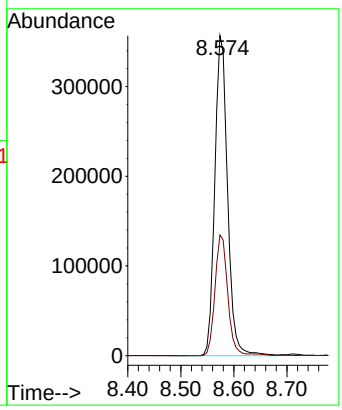


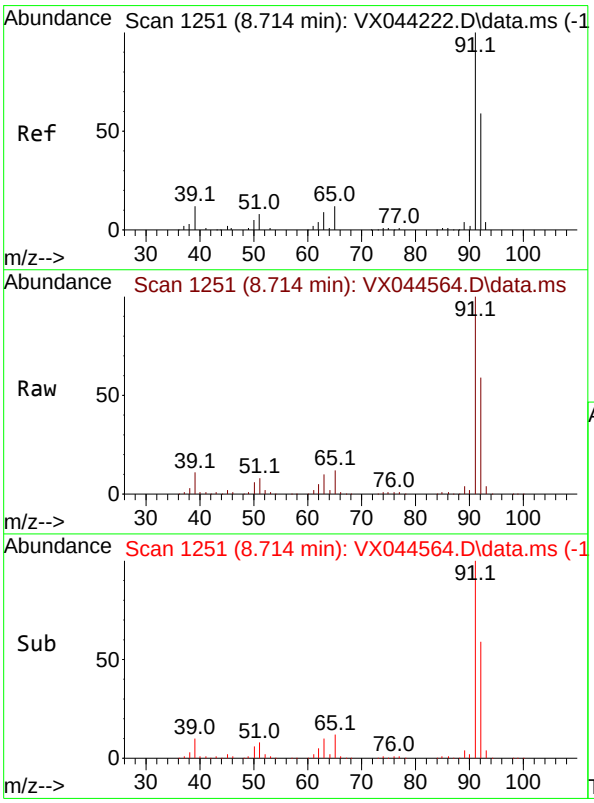
#51
4-Methyl-2-Pentanone
Concen: 261.036 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 43 Resp: 596181

Ion	Ratio	Lower	Upper
43	100		
58	37.6	29.4	44.0

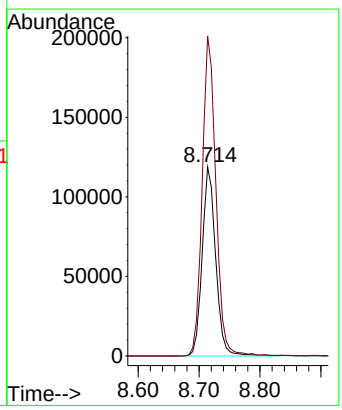


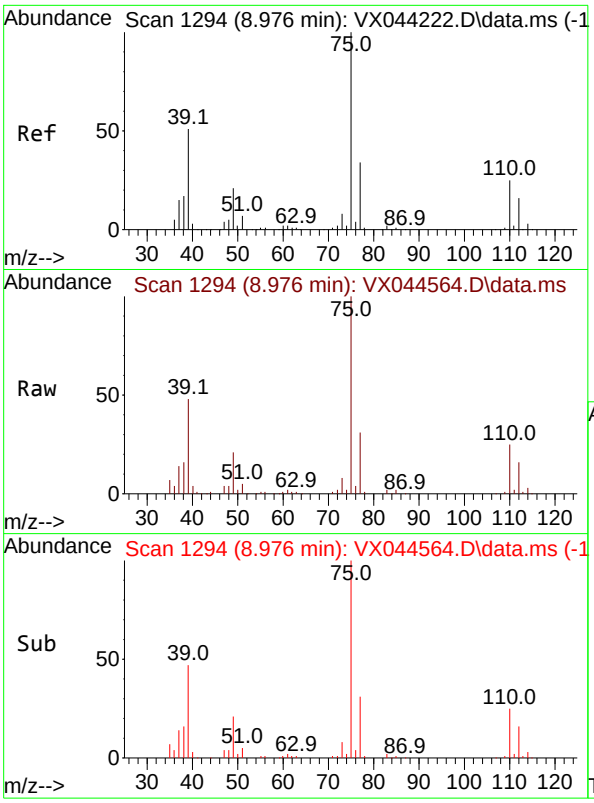


#52
Toluene
Concen: 52.282 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 92 Resp: 183268

Ion	Ratio	Lower	Upper
92	100		
91	171.2	137.0	205.6



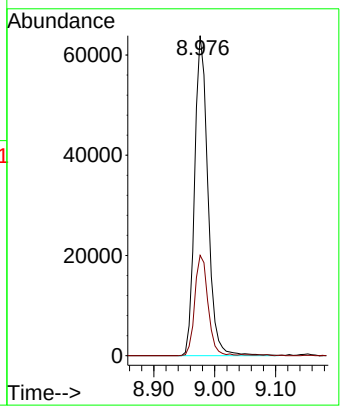


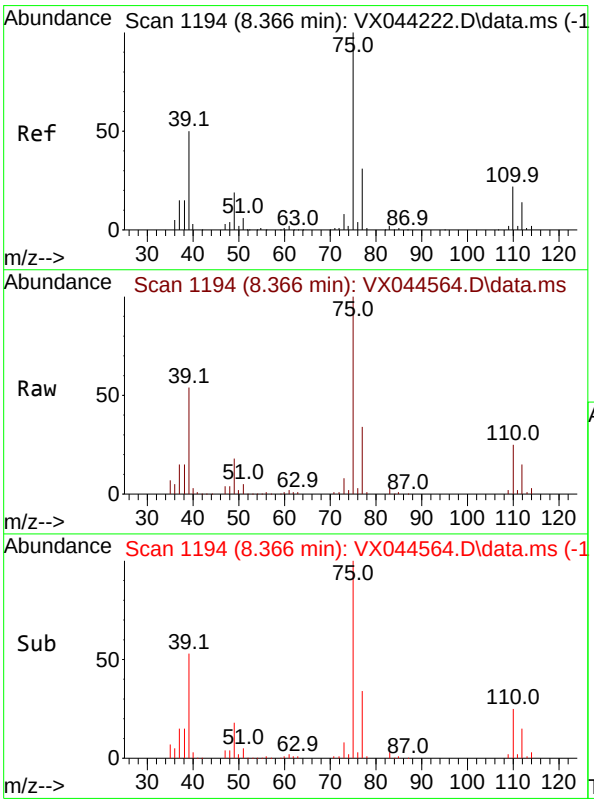
#53
t-1,3-Dichloropropene
Concen: 47.215 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 75 Resp: 96448

Ion	Ratio	Lower	Upper
75	100		
77	31.3	27.2	40.8

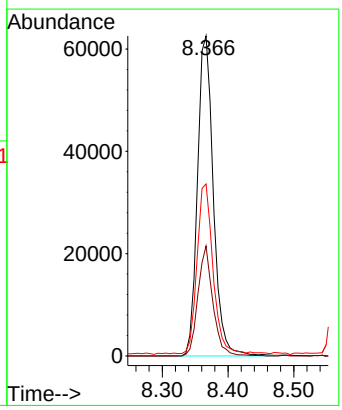


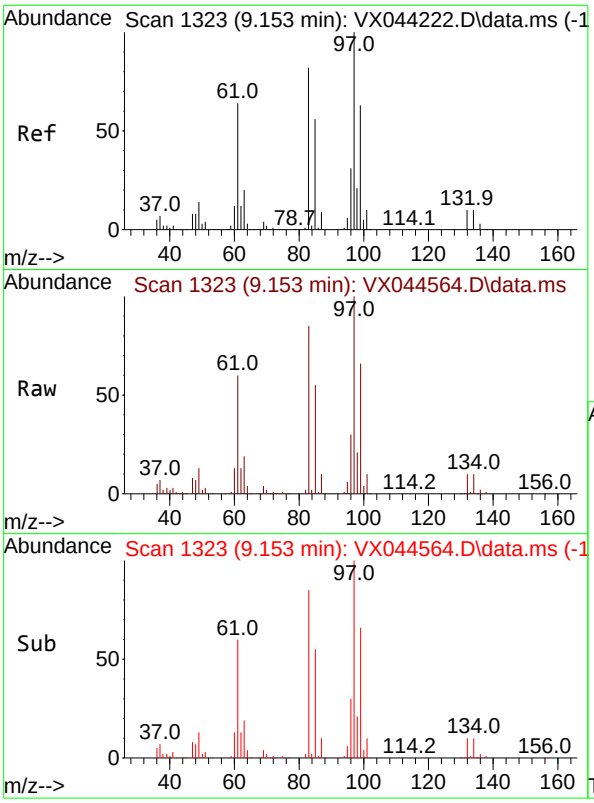


#54
cis-1,3-Dichloropropene
Concen: 50.395 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 75 Resp: 104847

Ion	Ratio	Lower	Upper
75	100		
77	34.3	24.7	37.1
39	53.0	40.3	60.5



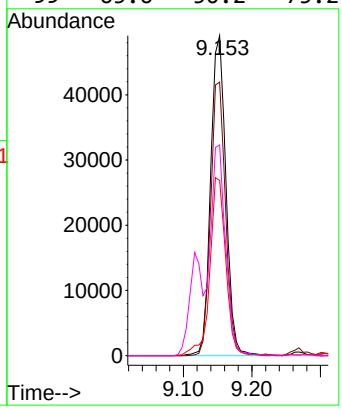


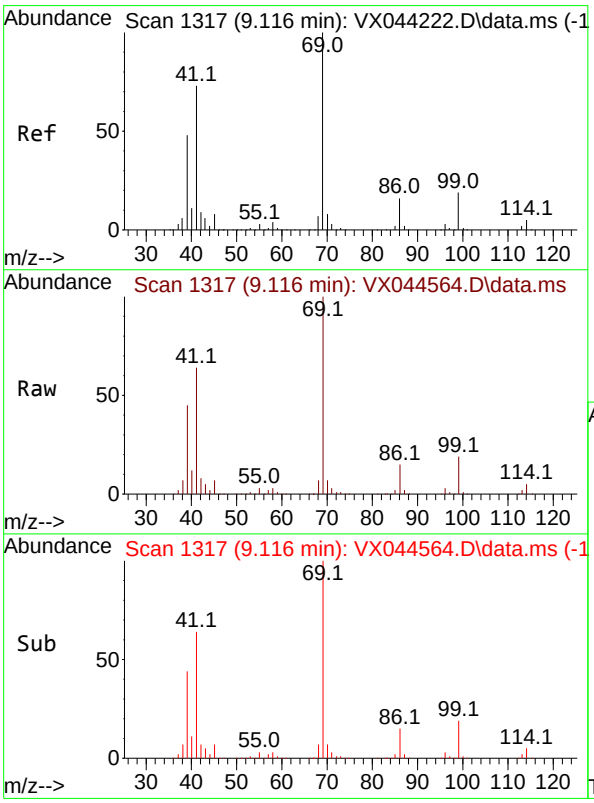
#55
1,1,2-Trichloroethane
Concen: 54.432 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 97 Resp: 75800

Ion	Ratio	Lower	Upper
97	100		
83	85.5	65.3	97.9
85	54.6	44.6	67.0
99	65.6	50.2	75.2

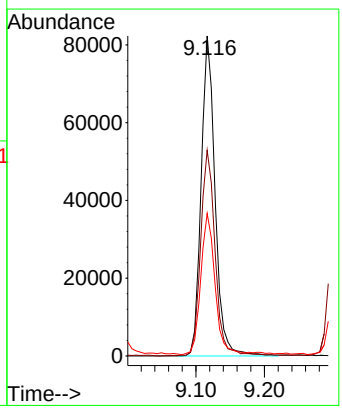


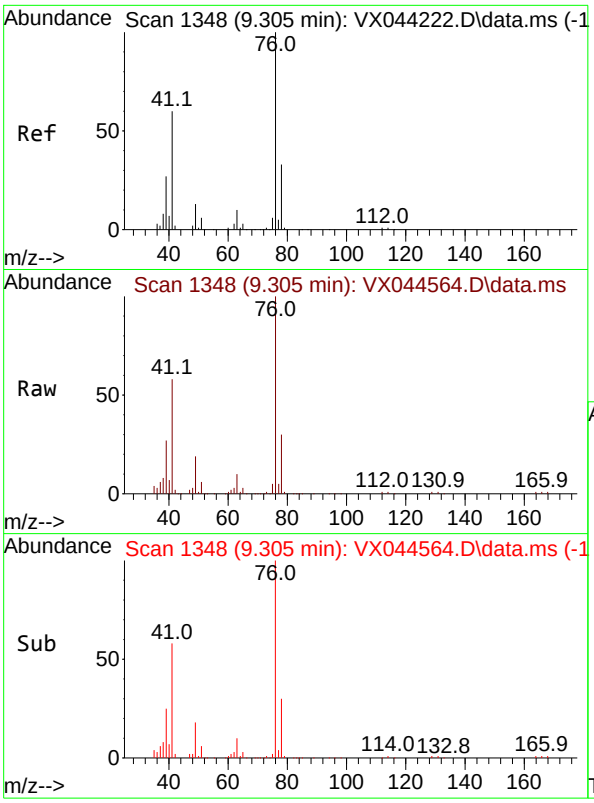


#56
Ethyl methacrylate
Concen: 53.028 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 69 Resp: 116577

Ion	Ratio	Lower	Upper
69	100		
41	67.3	56.6	85.0
39	44.9	37.4	56.0



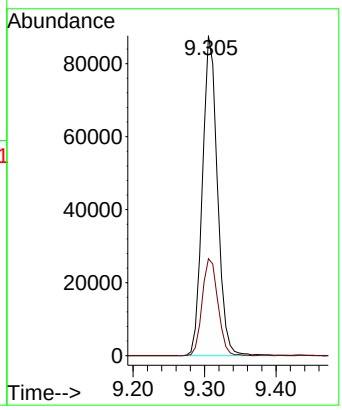


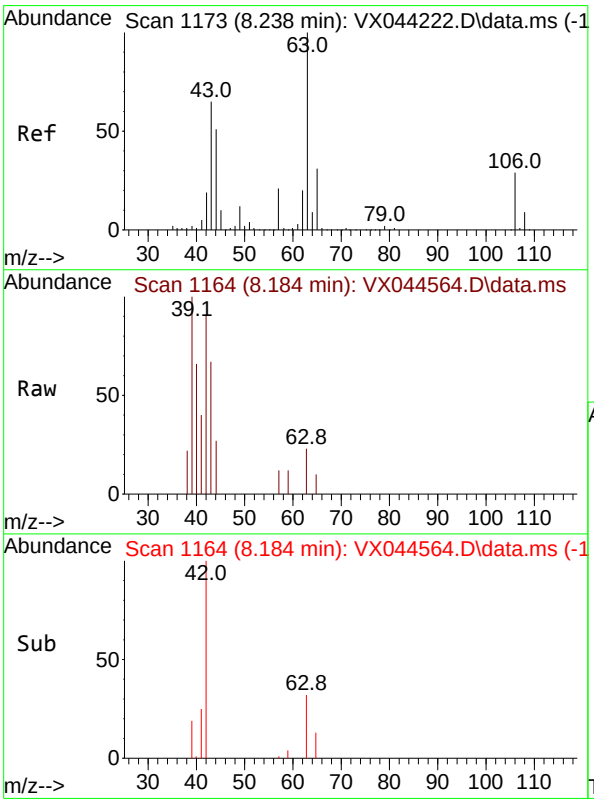
#57
1,3-Dichloropropane
Concen: 52.767 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 76 Resp: 127903

Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.5	39.7

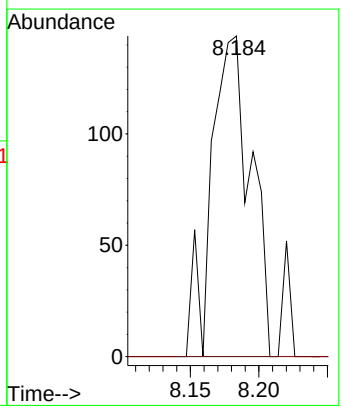


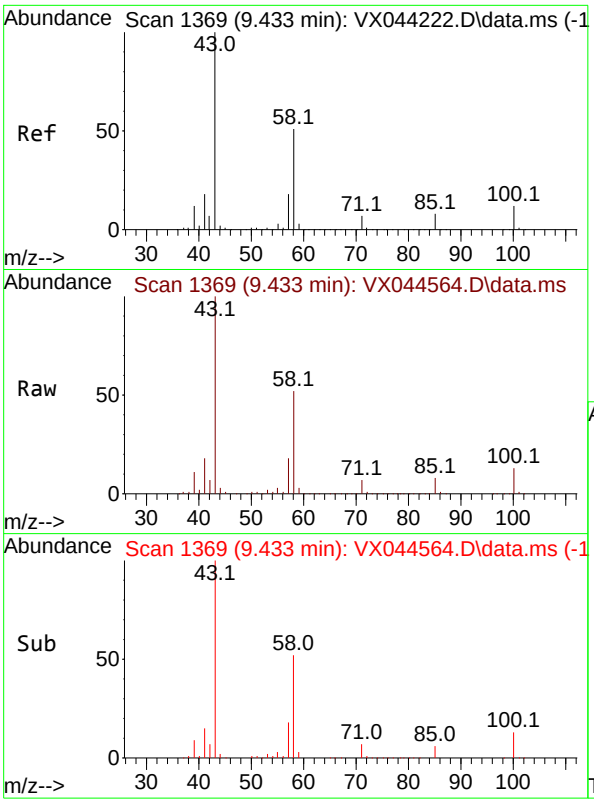


#58
2-Chloroethyl Vinyl ether
Concen: 0.262 ug/l
RT: 8.184 min Scan# 1164
Delta R.T. -0.055 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 63 Resp: 290

Ion	Ratio	Lower	Upper
63	100		
106	0.0	22.8	34.2#



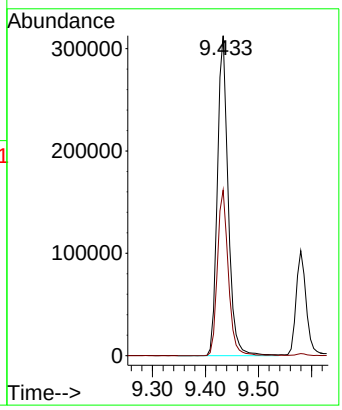


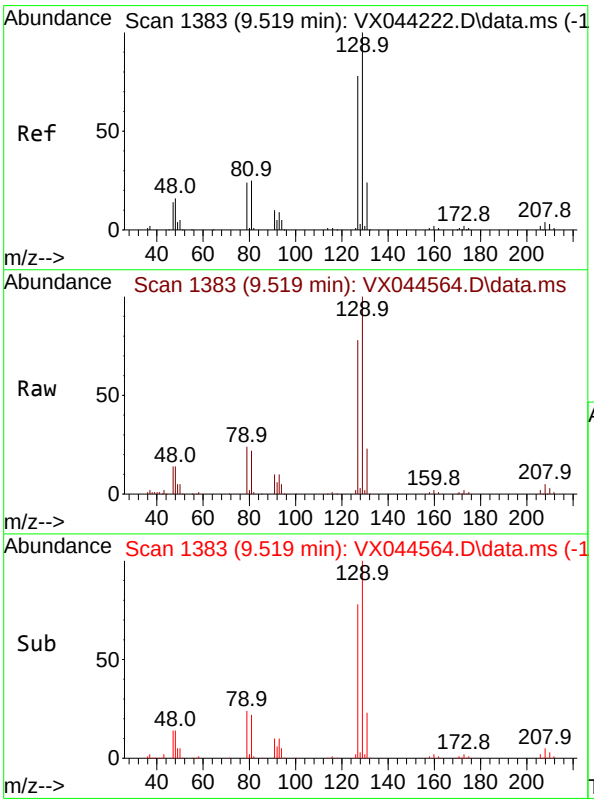
#59
2-Hexanone
Concen: 267.413 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 43 Resp: 442072

Ion	Ratio	Lower	Upper
43	100		
58	52.3	25.7	77.0

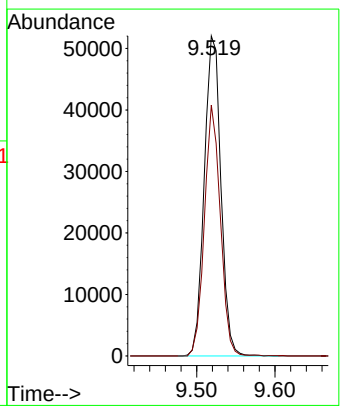


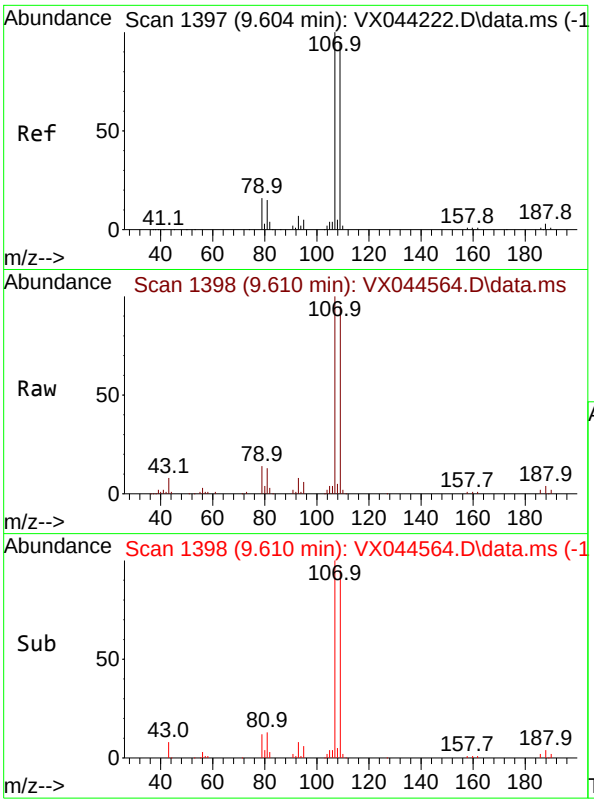


#60
Dibromochloromethane
Concen: 51.836 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:129 Resp: 76640

Ion	Ratio	Lower	Upper
129	100		
127	75.1	38.5	115.3



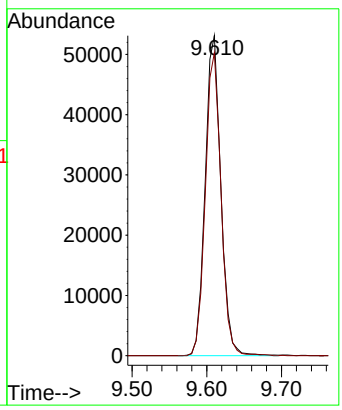


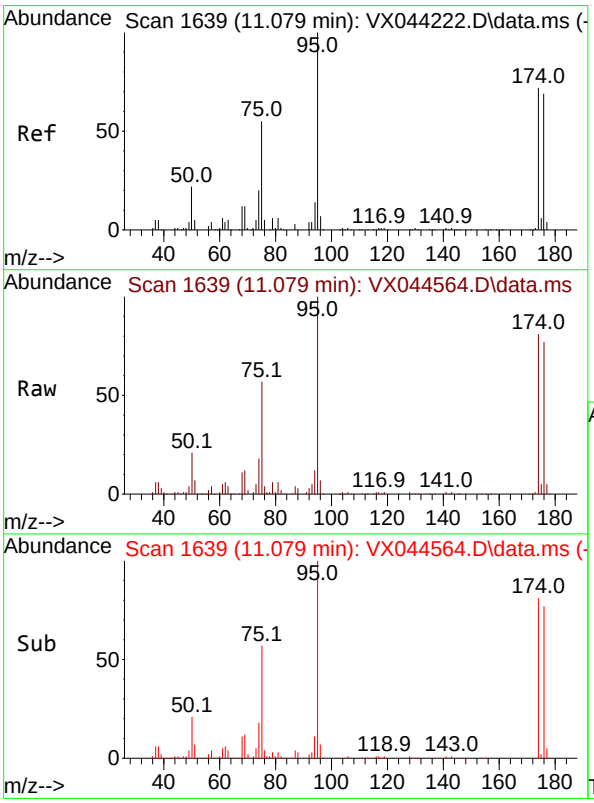
#61
1,2-Dibromoethane
Concen: 54.481 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion:107 Resp: 77226

Ion	Ratio	Lower	Upper
107	100		
109	94.6	77.0	115.4

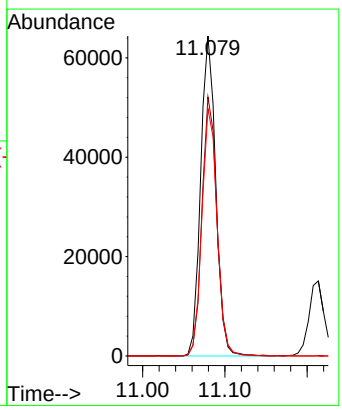


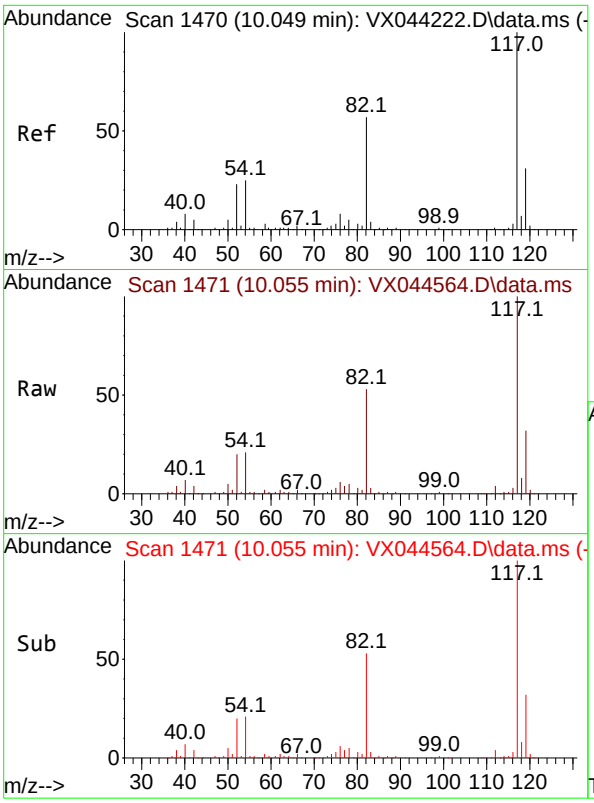


#62
4-Bromofluorobenzene
Concen: 48.860 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 95 Resp: 81923

Ion	Ratio	Lower	Upper
95	100		
174	80.4	0.0	145.8
176	77.9	0.0	137.8



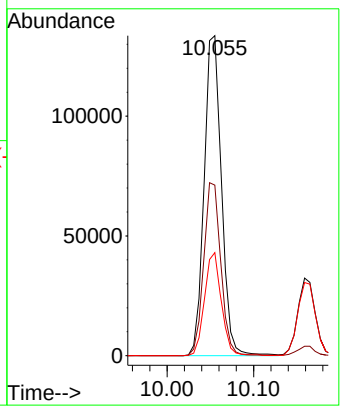


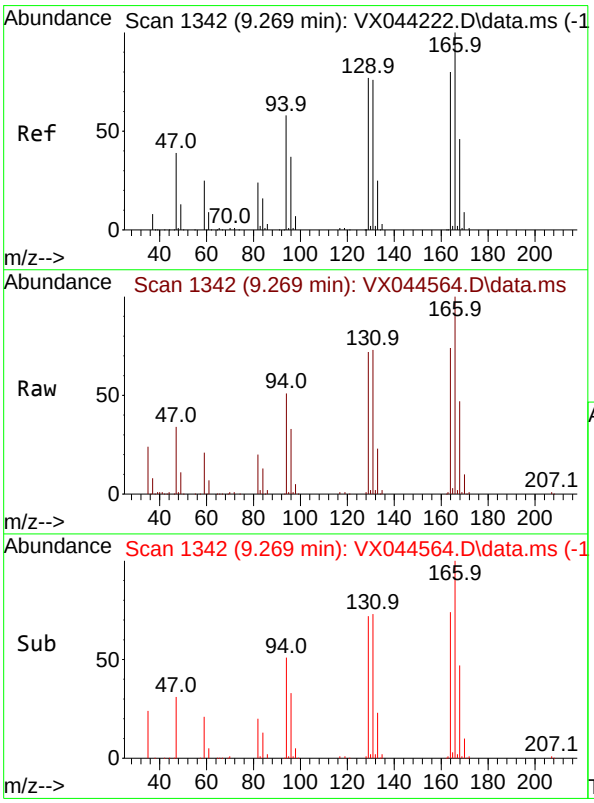
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion:117 Resp: 185869

Ion	Ratio	Lower	Upper
117	100		
82	53.3	45.8	68.8
119	32.2	25.0	37.4

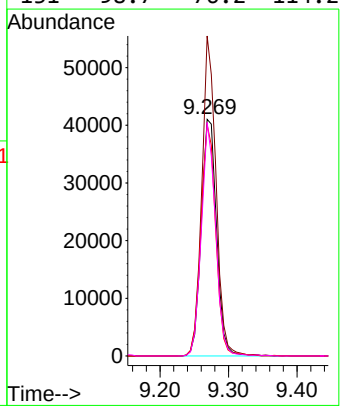


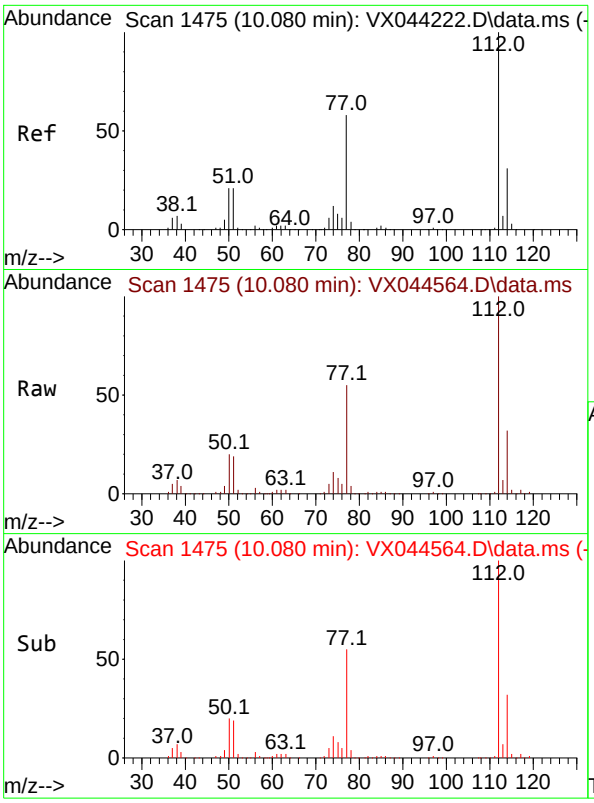


#64
Tetrachloroethene
Concen: 51.785 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:164 Resp: 63884

Ion	Ratio	Lower	Upper
164	100		
166	135.2	100.4	150.6
129	97.8	77.2	115.8
131	98.7	76.2	114.2



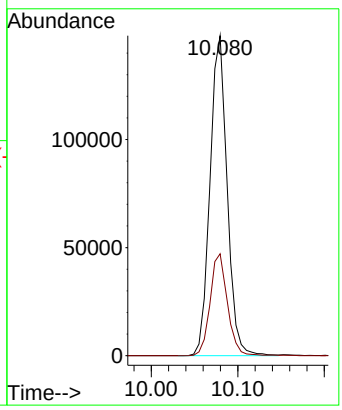


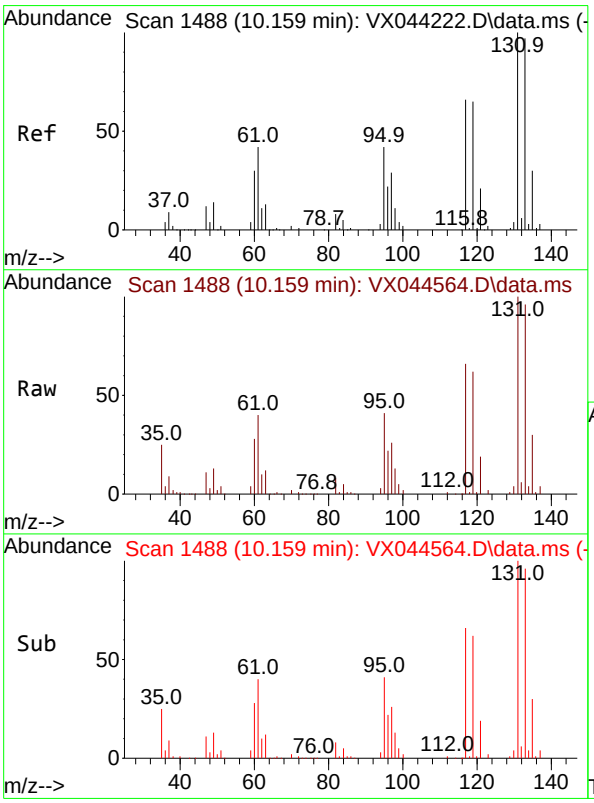
#65
Chlorobenzene
Concen: 51.100 ug/l
RT: 10.080 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion:112 Resp: 203519

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.0	37.6

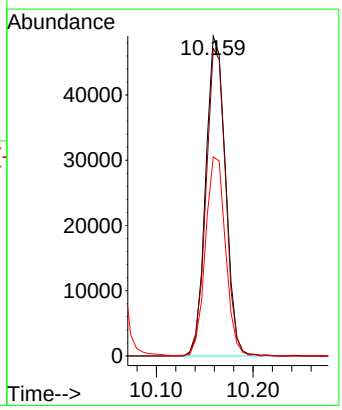


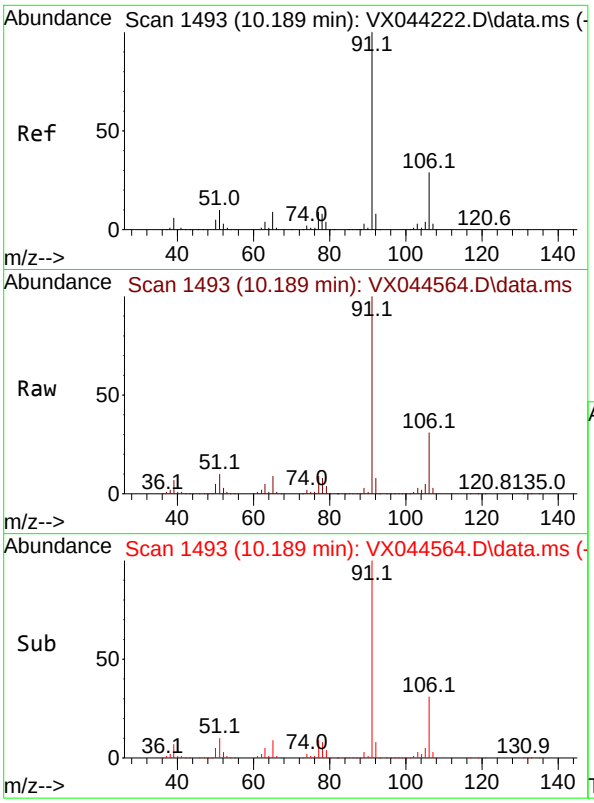


#66
1,1,1,2-Tetrachloroethane
Concen: 54.304 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:131 Resp: 69510

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.3	141.8
119	63.4	31.6	95.0



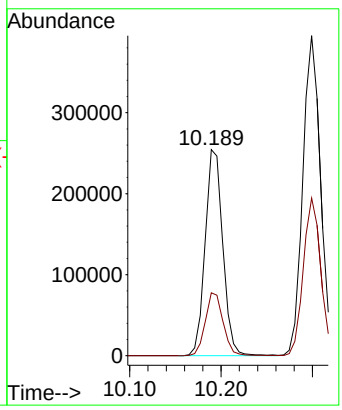


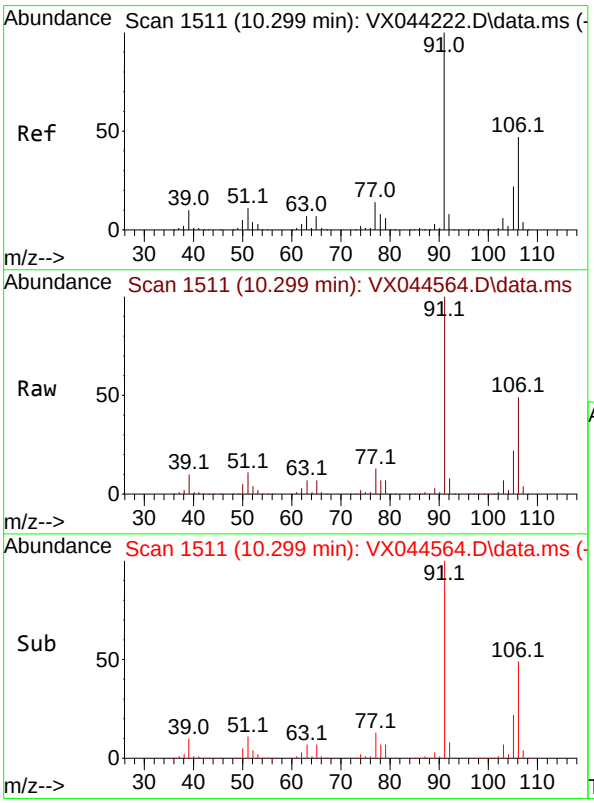
#67
Ethyl Benzene
Concen: 49.645 ug/l
RT: 10.189 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 91 Resp: 341637

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.5	35.3

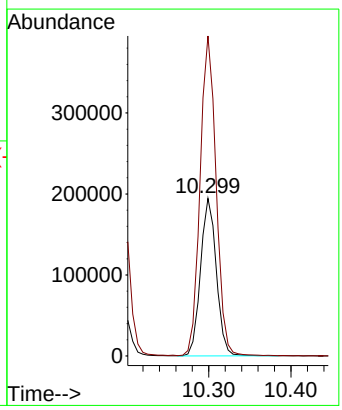


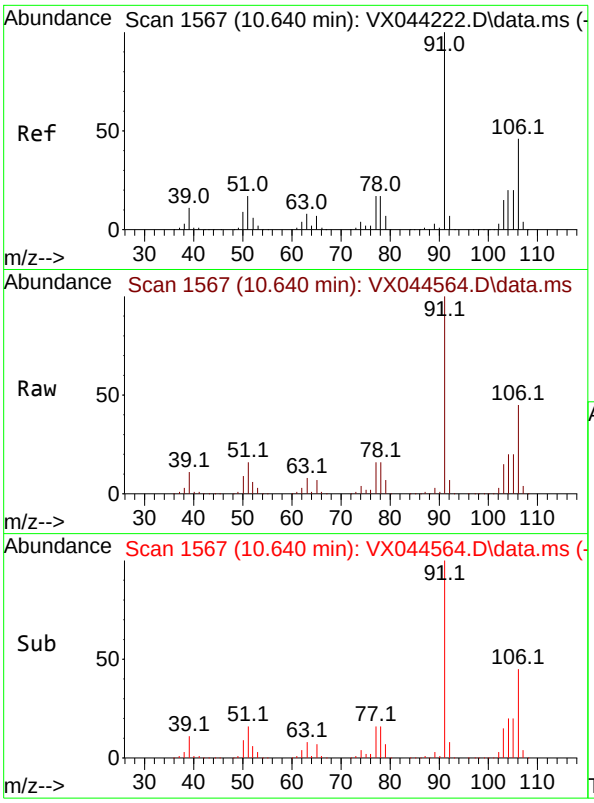


#68
m/p-Xylenes
Concen: 102.829 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:106 Resp: 259657

Ion	Ratio	Lower	Upper
106	100		
91	206.5	170.2	255.2



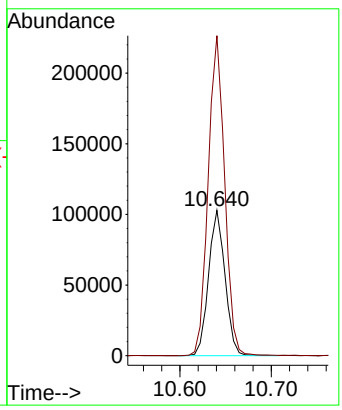


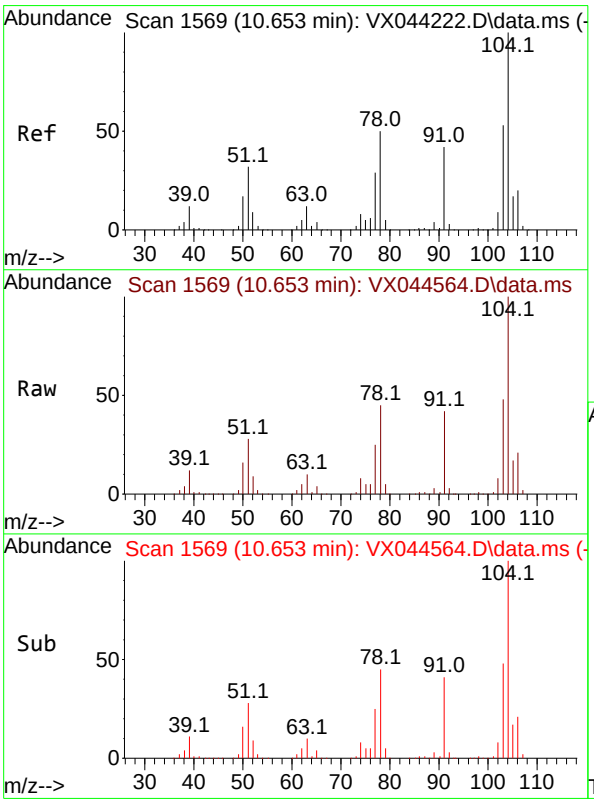
#69
o-Xylene
Concen: 50.298 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion:106 Resp: 128508

Ion	Ratio	Lower	Upper
106	100		
91	220.2	112.3	337.0

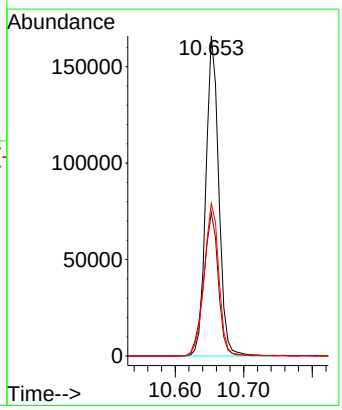


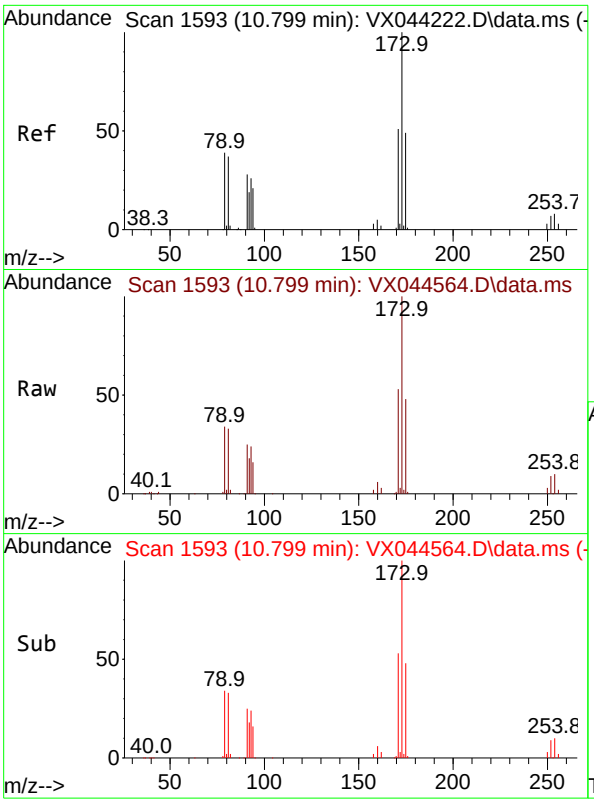


#70
Styrene
Concen: 53.327 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:104 Resp: 218414

Ion	Ratio	Lower	Upper
104	100		
78	50.7	44.6	67.0
103	54.0	45.4	68.0



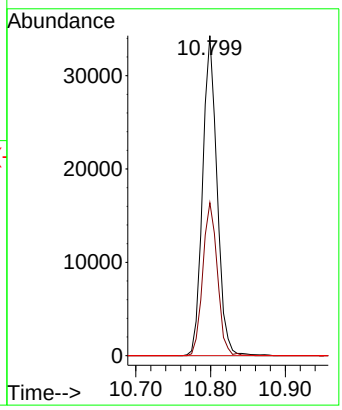


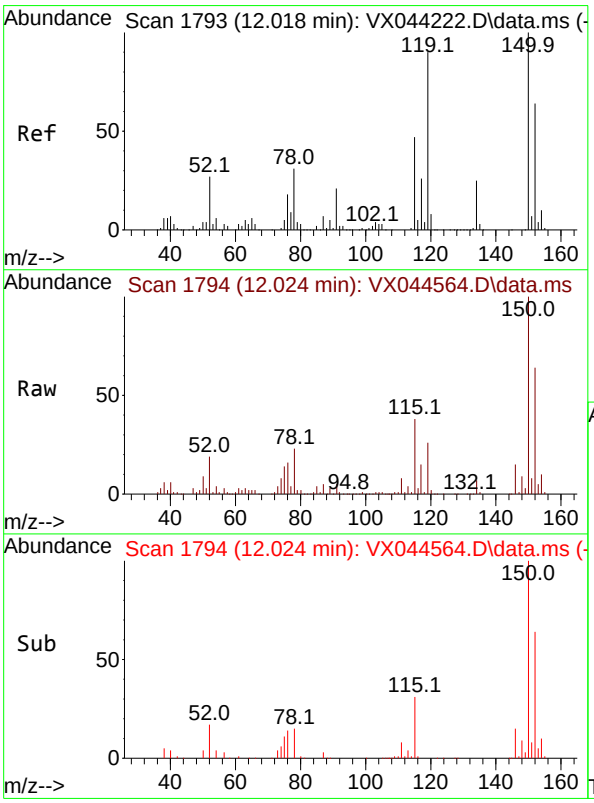
#71
Bromoform
Concen: 51.220 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion:173 Resp: 45958

Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.8	71.4
254	0.0	0.0	0.0

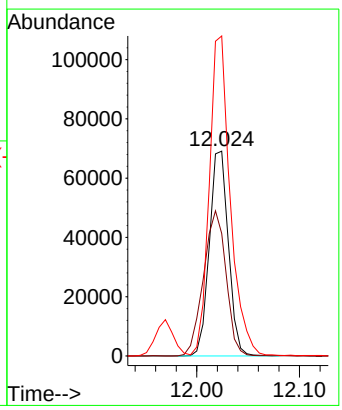


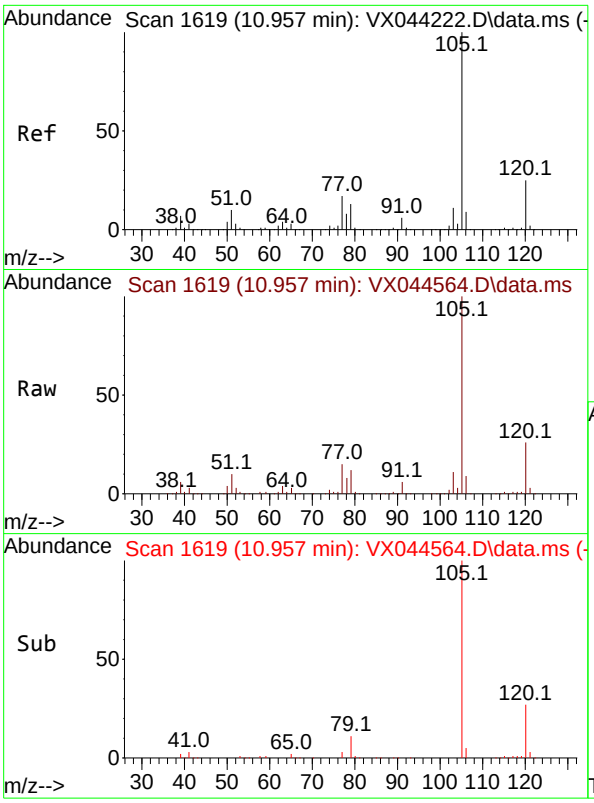


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:152 Resp: 88817

Ion	Ratio	Lower	Upper
152	100		
115	84.0	44.5	133.3
150	171.5	0.0	353.8



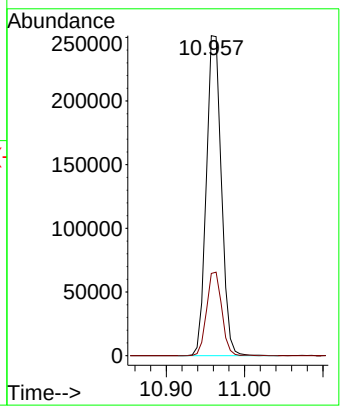


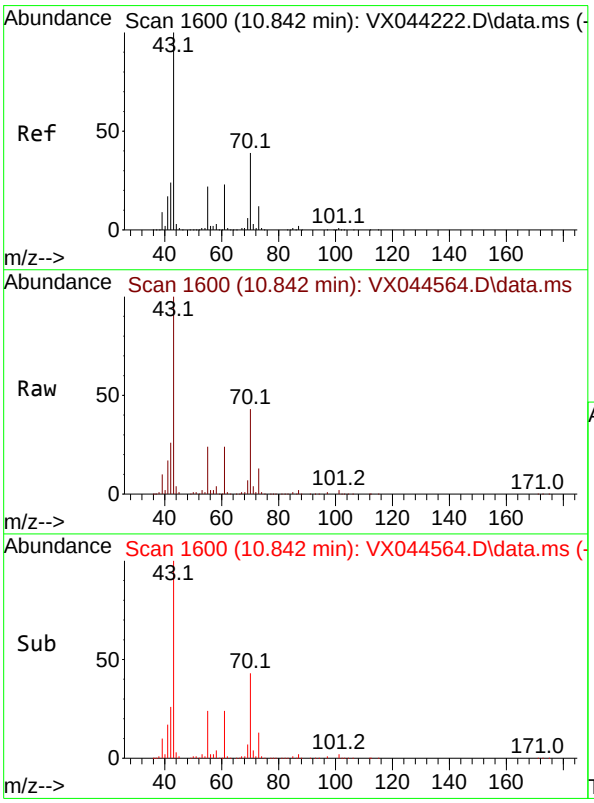
#73
Isopropylbenzene
Concen: 49.155 ug/l
RT: 10.957 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion:105 Resp: 334217

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.1	39.3

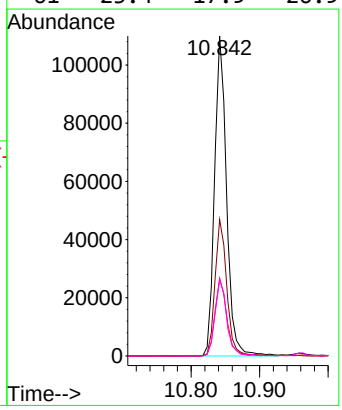


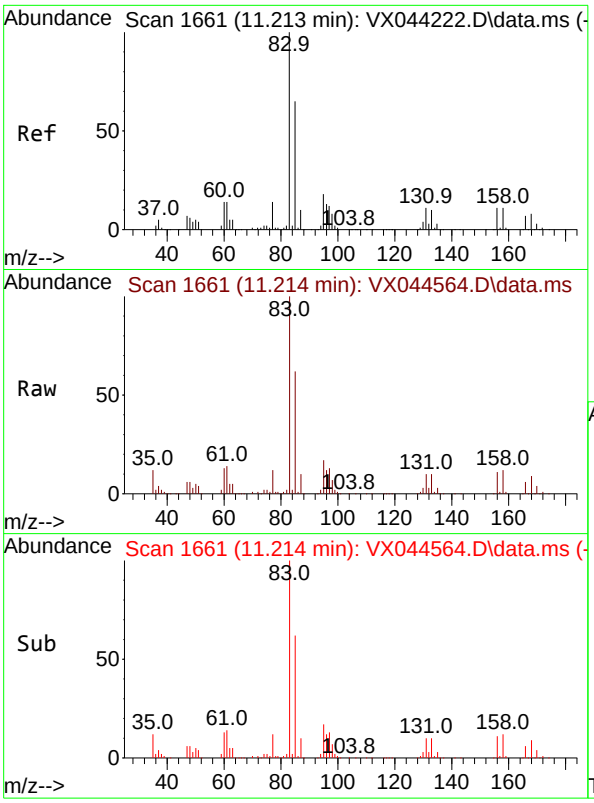


#74
N-amyl acetate
Concen: 42.717 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 43 Resp: 134232

Ion	Ratio	Lower	Upper
43	100		
70	41.9	31.9	47.9
55	24.4	17.9	26.9
61	23.4	17.9	26.9



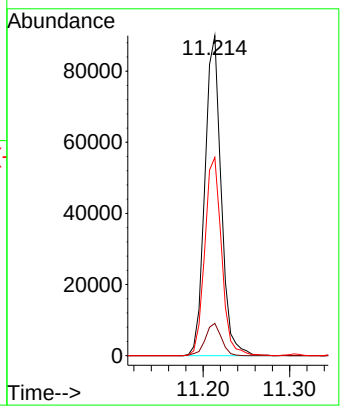


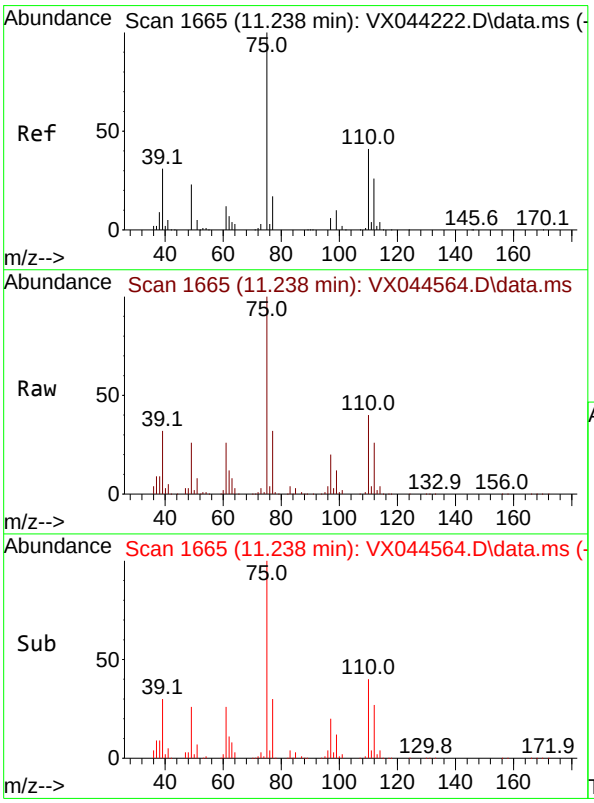
#75
1,1,2,2-Tetrachloroethane
Concen: 49.716 ug/l
RT: 11.214 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 83 Resp: 117410

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.4
85	64.0	32.5	97.4

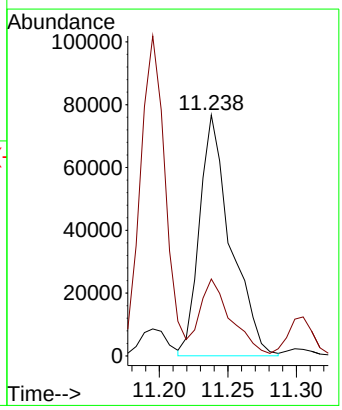


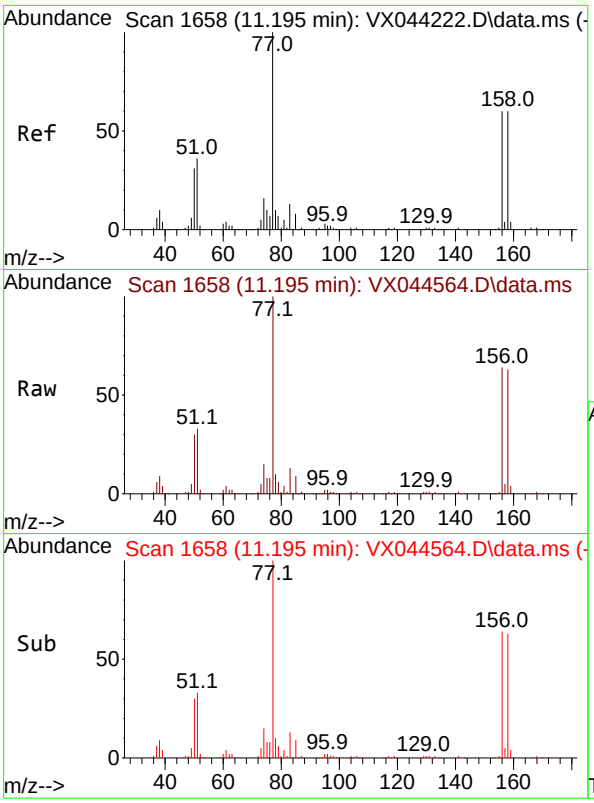


#76
1,2,3-Trichloropropane
Concen: 61.456 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 75 Resp: 121872

Ion	Ratio	Lower	Upper
75	100		
77	31.9	20.9	62.7



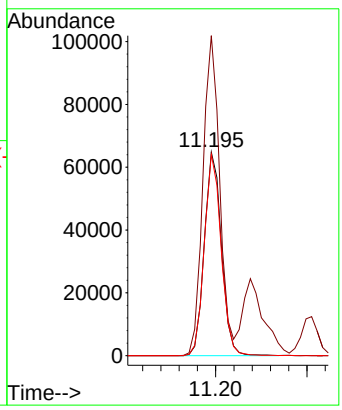


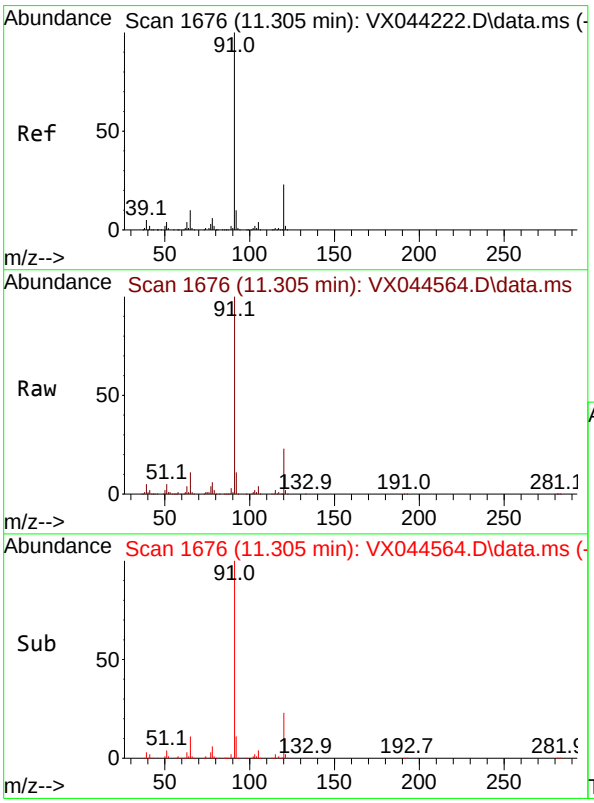
#77
Bromobenzene
Concen: 50.877 ug/l
RT: 11.195 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion:156 Resp: 83885

Ion	Ratio	Lower	Upper
156	100		
77	154.3	82.6	247.8
158	97.9	48.8	146.4

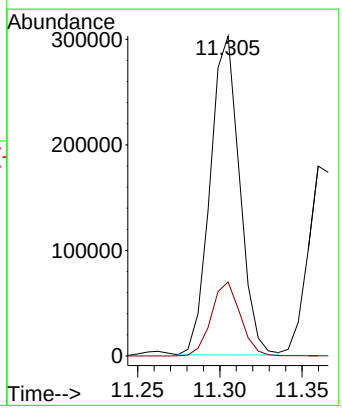


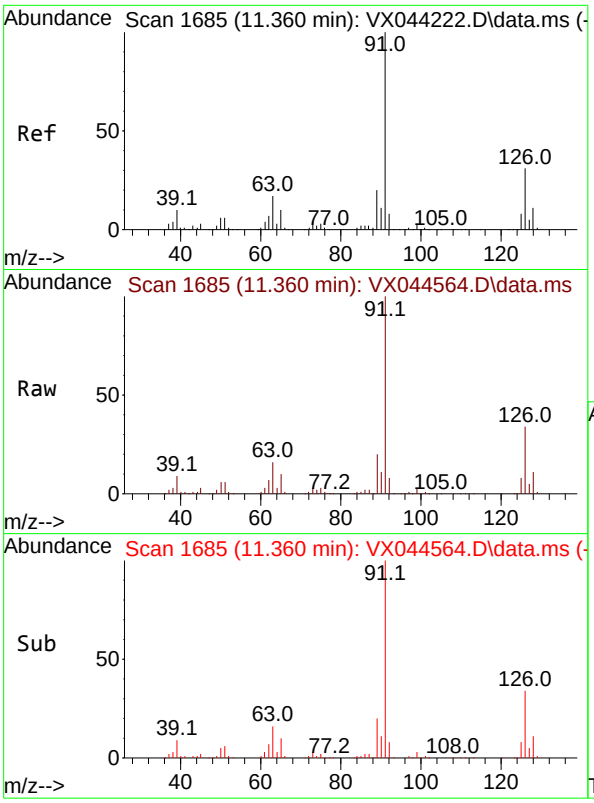


#78
n-propylbenzene
Concen: 50.023 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 91 Resp: 375925

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.0	33.0



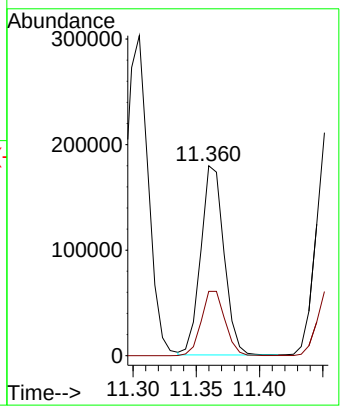


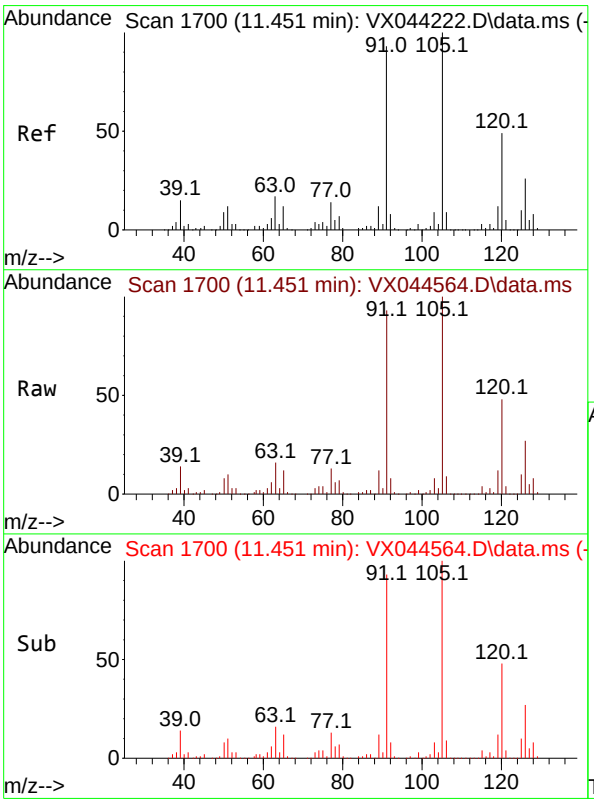
#79
2-Chlorotoluene
Concen: 47.201 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 91 Resp: 229405

Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.4	49.1

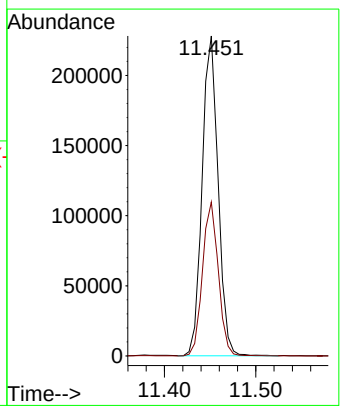


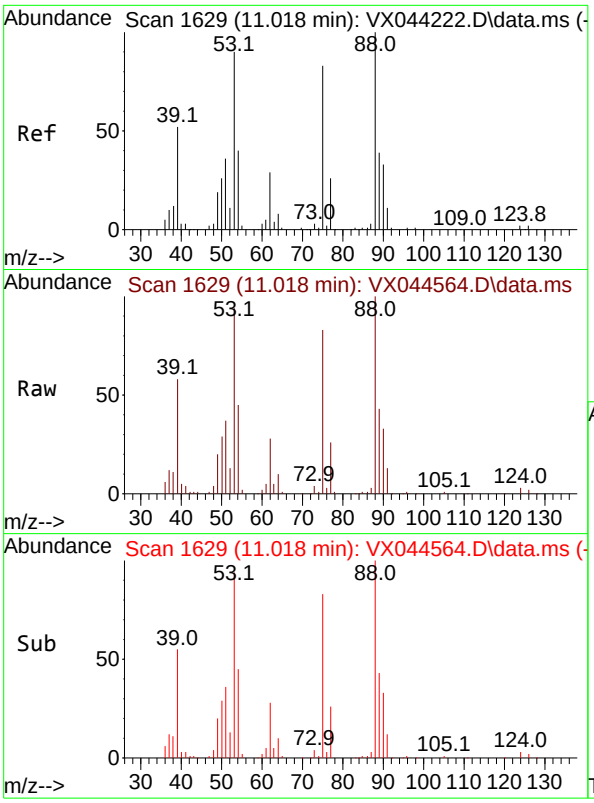


#80
1,3,5-Trimethylbenzene
Concen: 48.823 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:105 Resp: 275291

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.8	71.4



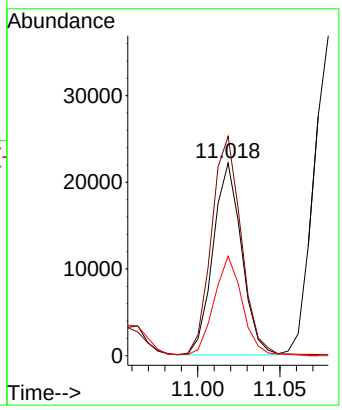


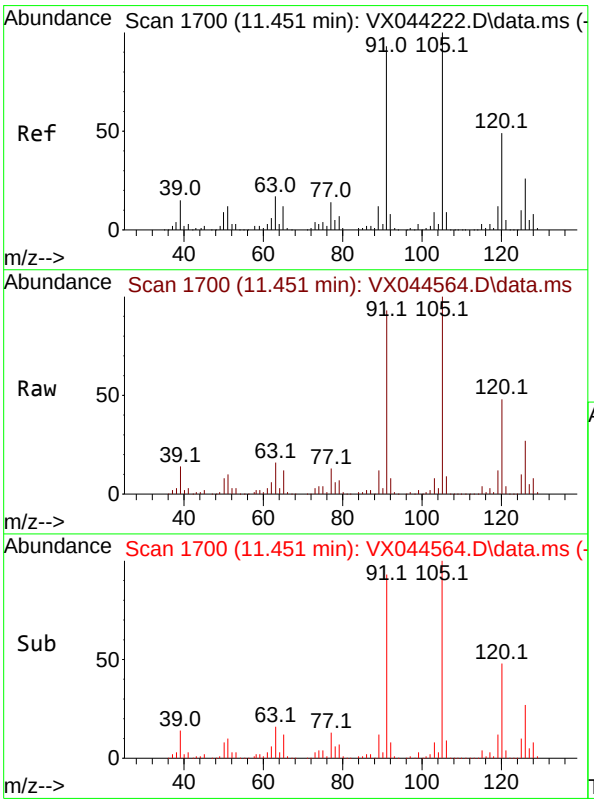
#81
trans-1,4-Dichloro-2-butene
Concen: 39.985 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 75 Resp: 26801

Ion	Ratio	Lower	Upper
75	100		
53	118.8	93.6	140.4
89	51.3	37.3	55.9

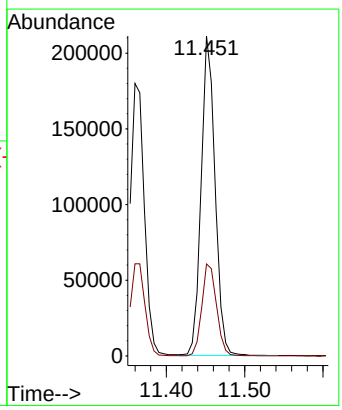


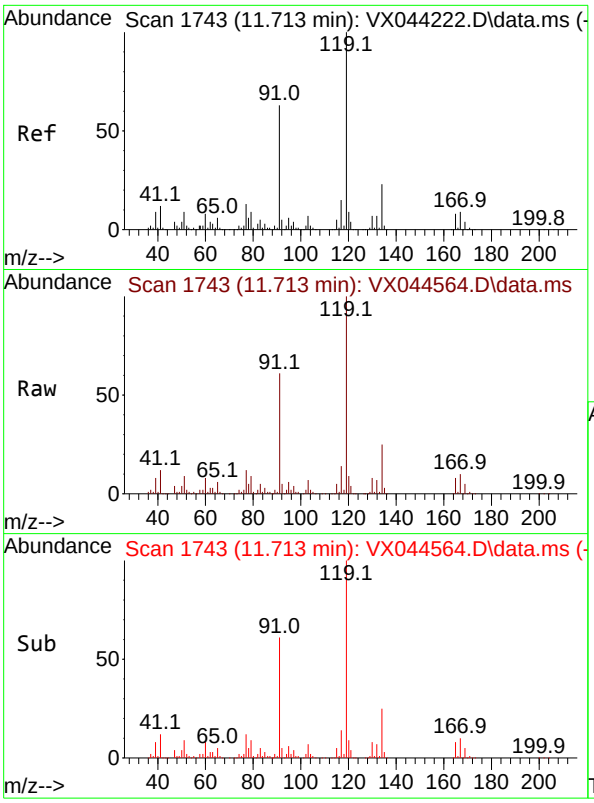


#82
4-Chlorotoluene
Concen: 48.298 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 91 Resp: 259940

Ion	Ratio	Lower	Upper
91	100		
126	30.6	14.5	43.5



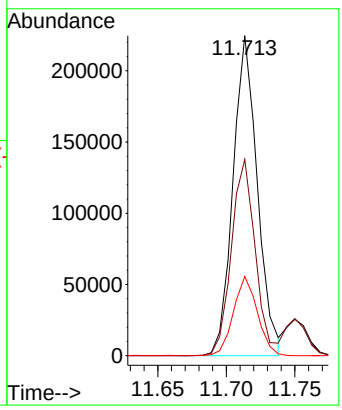


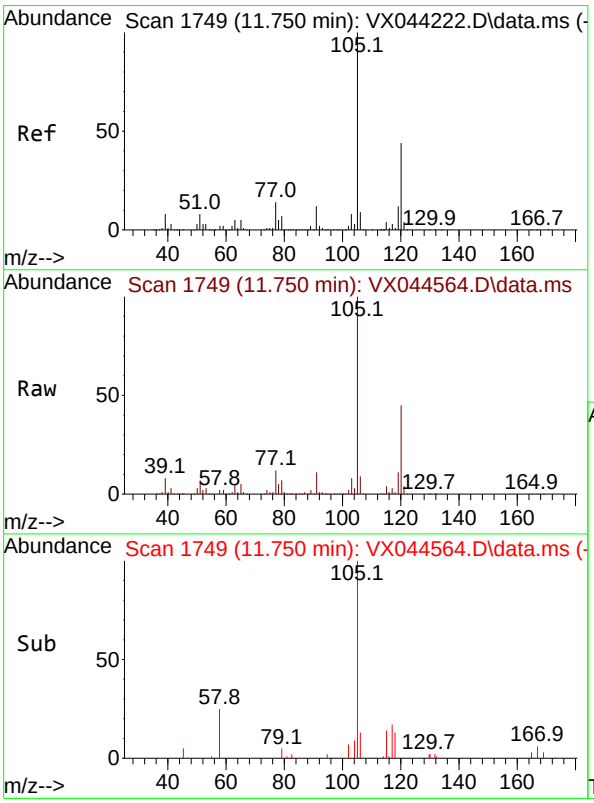
#83
tert-Butylbenzene
Concen: 49.880 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion:119 Resp: 277951

Ion	Ratio	Lower	Upper
119	100		
91	60.4	30.9	92.5
134	24.4	11.5	34.4

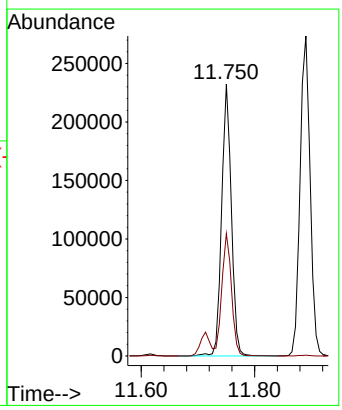


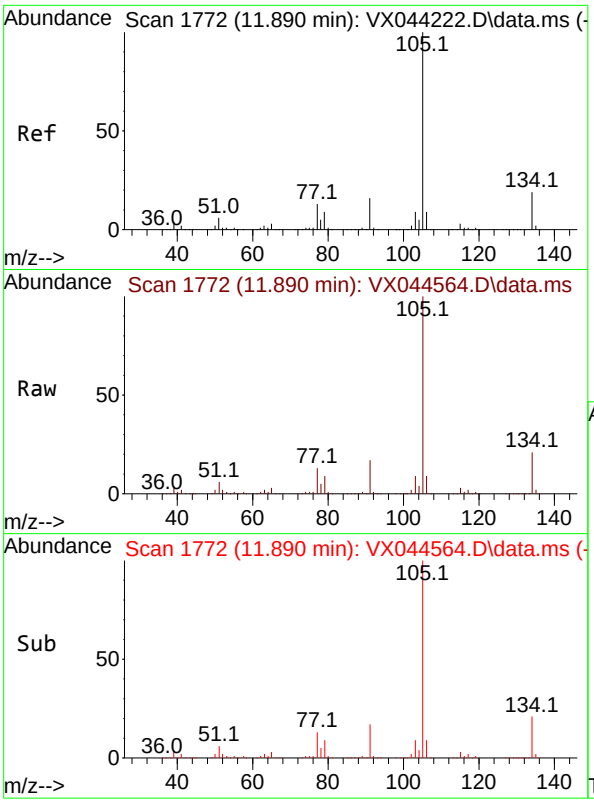


#84
1,2,4-Trimethylbenzene
Concen: 49.716 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:105 Resp: 275304

Ion	Ratio	Lower	Upper
105	100		
120	45.2	21.7	65.1



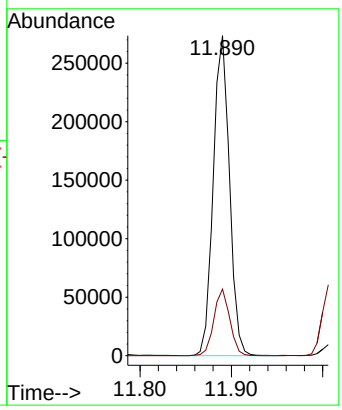


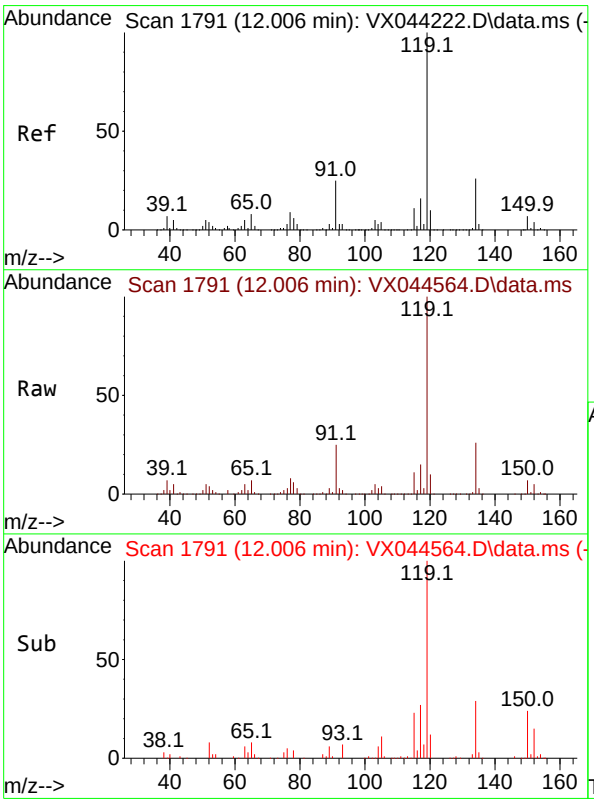
#85
sec-Butylbenzene
Concen: 49.696 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion:105 Resp: 336189

Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.8	29.4

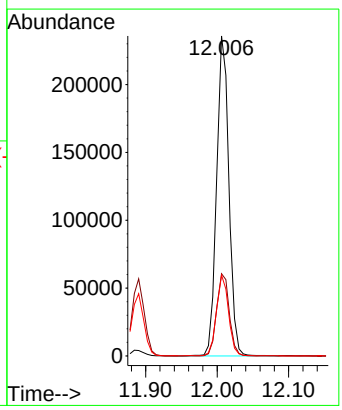


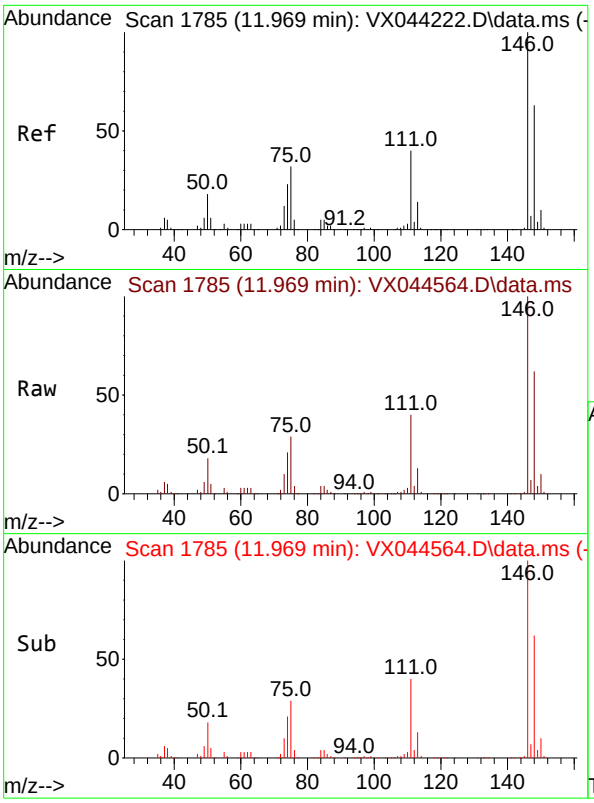


#86
p-Isopropyltoluene
Concen: 49.875 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:119 Resp: 280818

Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.8	38.4
91	24.8	13.0	39.0



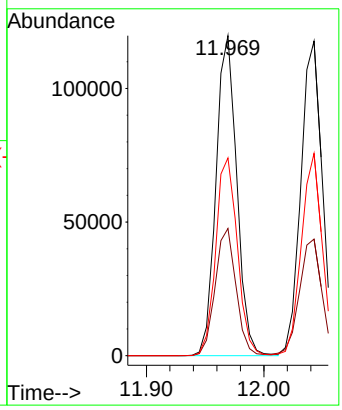


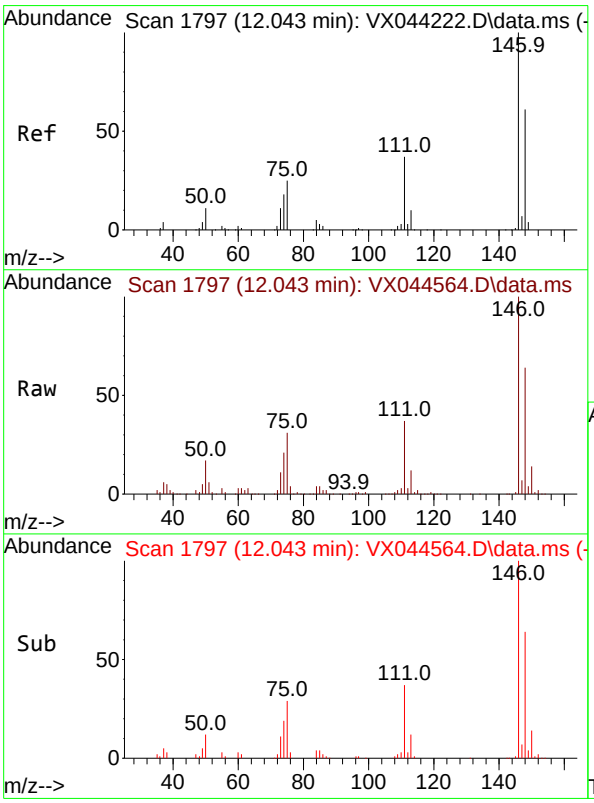
#87
1,3-Dichlorobenzene
Concen: 51.225 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion:146 Resp: 147531

Ion	Ratio	Lower	Upper
146	100		
111	39.9	21.4	64.2
148	64.2	31.7	95.1

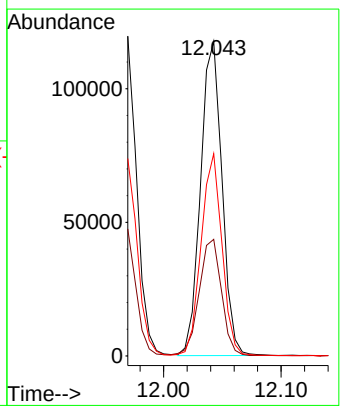


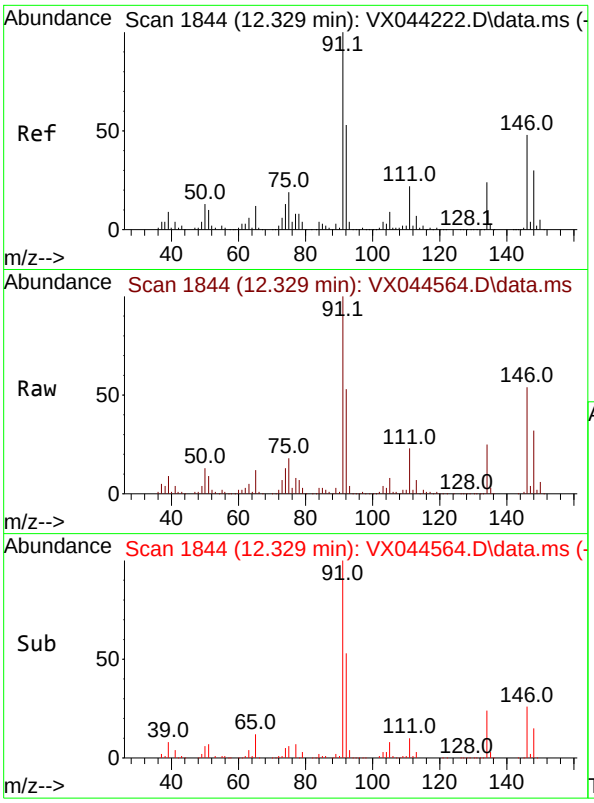


#88
1,4-Dichlorobenzene
Concen: 50.346 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:146 Resp: 149057

Ion	Ratio	Lower	Upper
146	100		
111	38.9	21.0	63.0
148	62.8	32.3	96.8



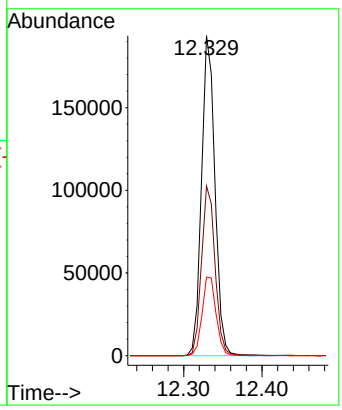


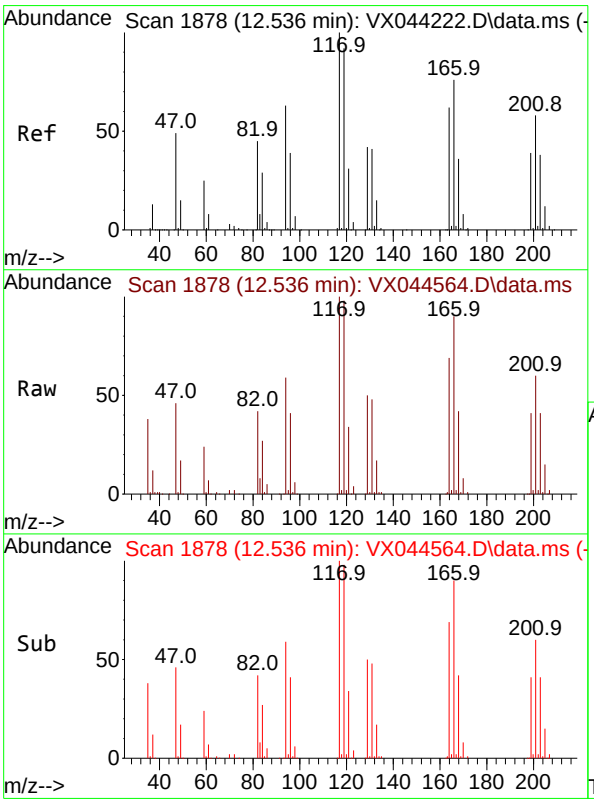
#89
n-Butylbenzene
Concen: 48.630 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion: 91 Resp: 230239

Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.6	79.7
134	25.7	12.6	37.8

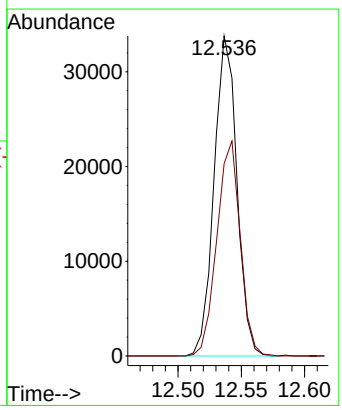


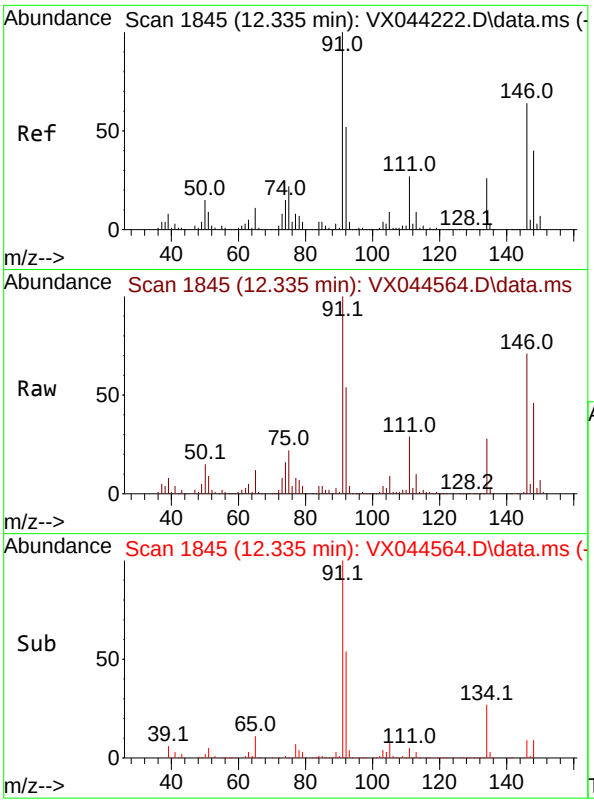


#90
Hexachloroethane
Concen: 51.438 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:117 Resp: 42277

Ion	Ratio	Lower	Upper
117	100		
201	68.9	31.4	94.2



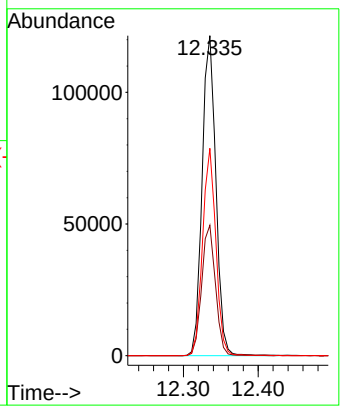


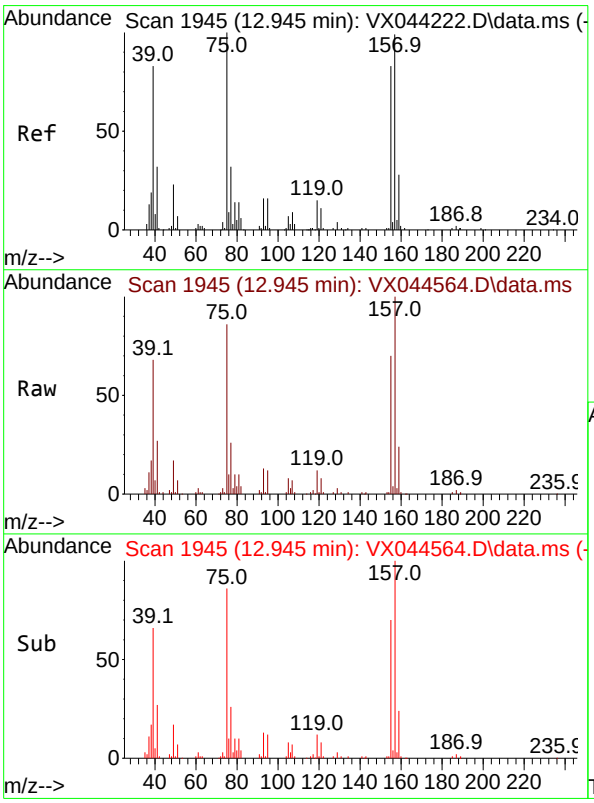
#91
1,2-Dichlorobenzene
Concen: 51.930 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion:146 Resp: 155295

Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.4	64.3
148	62.7	31.6	95.0

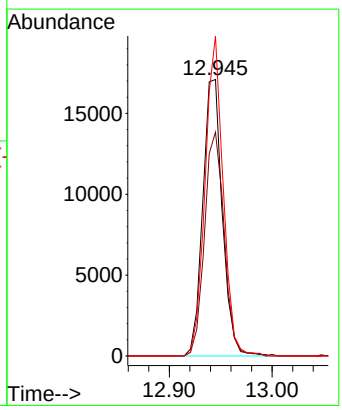


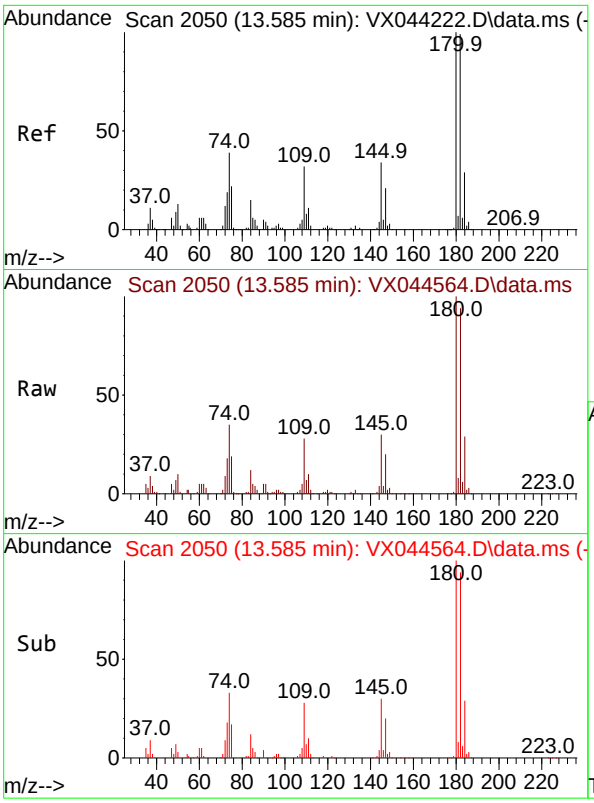


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.400 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion: 75 Resp: 22647

Ion	Ratio	Lower	Upper
75	100		
155	81.5	38.1	114.3
157	106.5	47.2	141.6



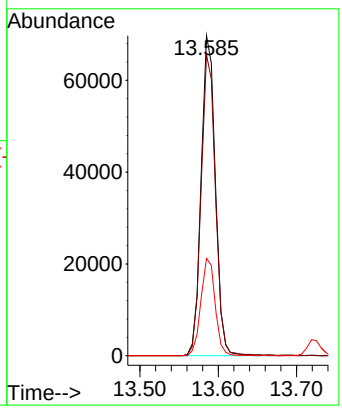


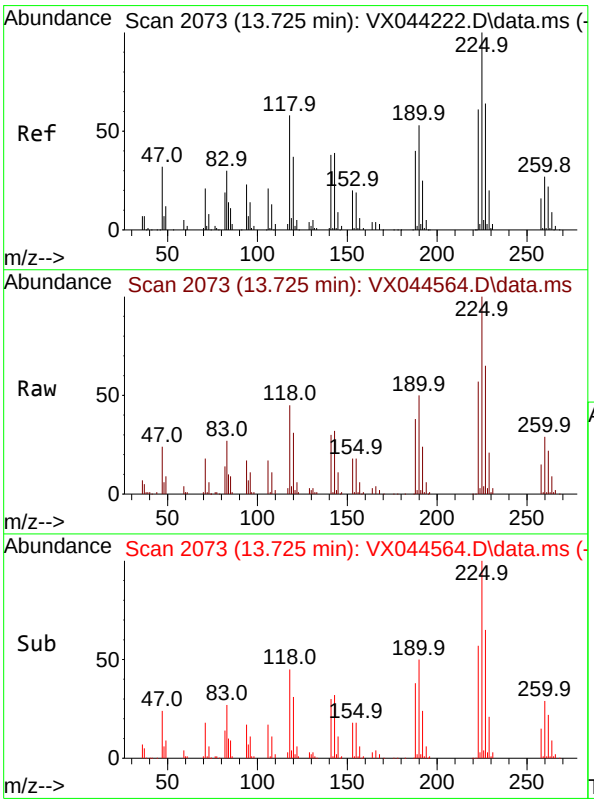
#93
1,2,4-Trichlorobenzene
Concen: 53.689 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion:180 Resp: 88022

Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.0	144.2
145	30.4	16.6	49.7

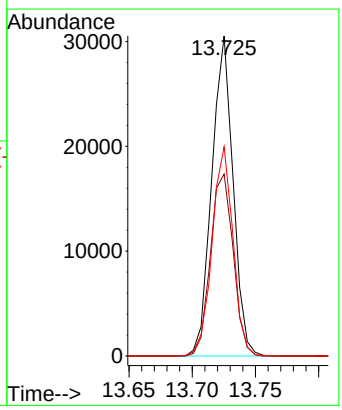


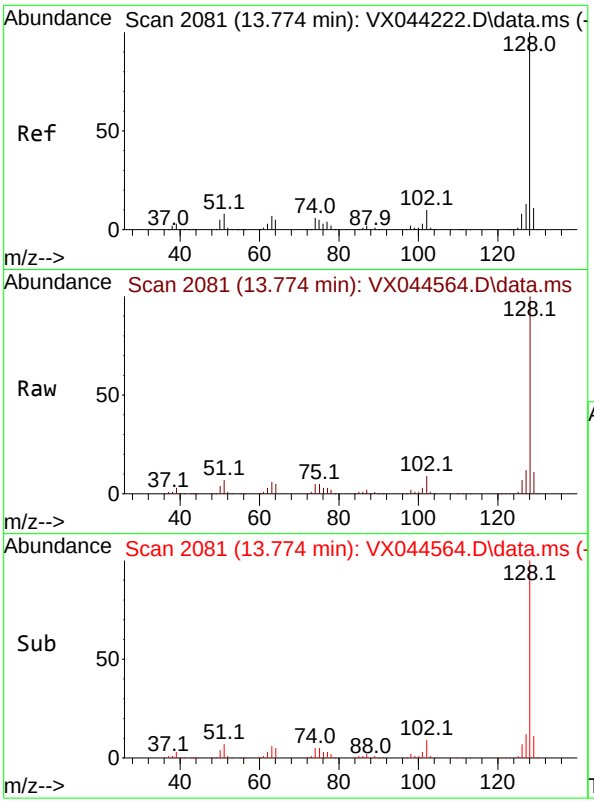


#94
Hexachlorobutadiene
Concen: 54.065 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:225 Resp: 35654

Ion	Ratio	Lower	Upper
225	100		
223	60.9	30.8	92.4
227	64.3	32.1	96.3



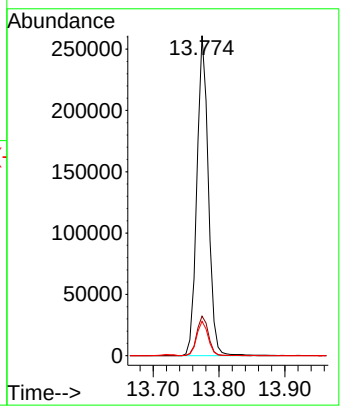


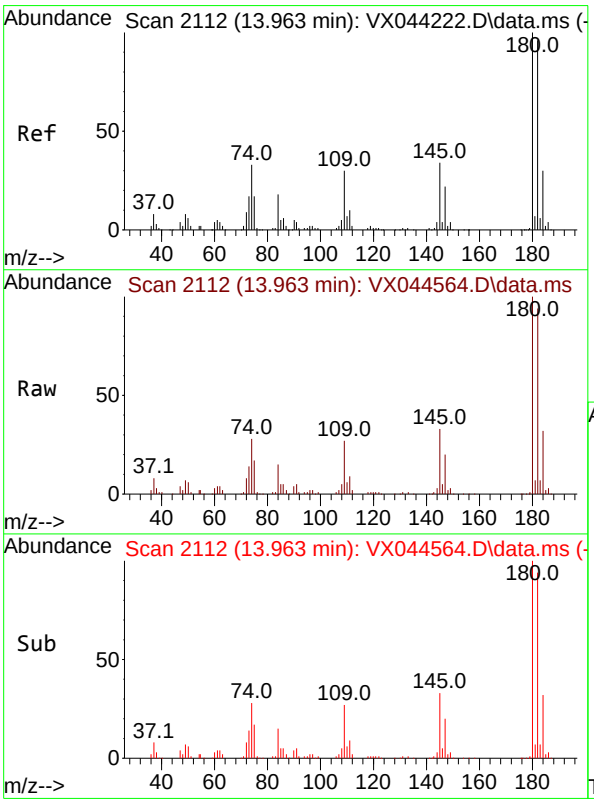
#95
Naphthalene
Concen: 49.310 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MS

Tgt Ion:128 Resp: 315564

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	10.8	9.0	13.4

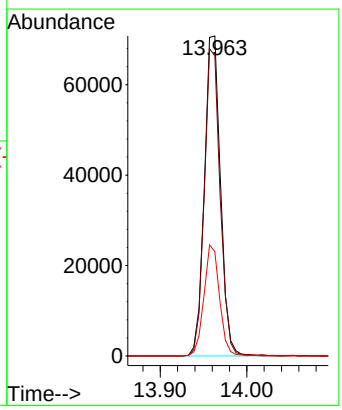




#96
1,2,3-Trichlorobenzene
Concen: 52.698 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX044564.D
Acq: 30 Dec 2024 23:08

Tgt Ion:180 Resp: 91638

Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.0	144.0
145	33.6	17.7	53.1



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044565.D
Acq On : 30 Dec 2024 23:31
Operator : JC/MD
Sample : P5376-09MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Quant Time: Dec 31 00:42:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.550	168	117366	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	203568	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185270	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88862	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.952	65	92706	45.051 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.100%		
35) Dibromofluoromethane	5.379	113	73572	52.183 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.360%		
50) Toluene-d8	8.647	98	245485	51.610 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.220%		
62) 4-Bromofluorobenzene	11.079	95	90330	54.348 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.700%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.166	85	85623	47.181 ug/l	96
3) Chloromethane	1.294	50	81656	47.052 ug/l	99
4) Vinyl Chloride	1.374	62	86477	47.831 ug/l	99
5) Bromomethane	1.593	94	58899	45.920 ug/l	100
6) Chloroethane	1.660	64	59438	52.796 ug/l	97
7) Trichlorofluoromethane	1.867	101	152903	43.199 ug/l	100
8) Diethyl Ether	2.136	74	62872	52.039 ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	73413	51.257 ug/l	95
10) Methyl Iodide	2.440	142	102991	54.560 ug/l	96
11) Tert butyl alcohol	2.995	59	75264	259.514 ug/l	97
12) 1,1-Dichloroethene	2.306	96	69520	52.846 ug/l	94
13) Acrolein	2.239	56	115847	275.949 ug/l	98
14) Allyl chloride	2.654	41	110354	50.363 ug/l	98
15) Acrylonitrile	3.068	53	215410	268.135 ug/l	97
16) Acetone	2.386	43	195287	232.779 ug/l	99
17) Carbon Disulfide	2.501	76	121076	48.418 ug/l	99
18) Methyl Acetate	2.709	43	105030	48.556 ug/l	94
19) Methyl tert-butyl Ether	3.117	73	254833	49.640 ug/l	100
20) Methylene Chloride	2.782	84	81705	51.852 ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	72101	51.570 ug/l	97
22) Diisopropyl ether	3.763	45	250548	50.778 ug/l	98
23) Vinyl Acetate	3.721	43	959197	239.112 ug/l	100
24) 1,1-Dichloroethane	3.605	63	141873	51.582 ug/l	99
25) 2-Butanone	4.562	43	301393	252.705 ug/l	99
26) 2,2-Dichloropropane	4.465	77	90082	40.316 ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	90287	50.847 ug/l	94
28) Bromochloromethane	4.897	49	60861	45.126 ug/l	92
29) Tetrahydrofuran	5.007	42	191435	250.067 ug/l	99
30) Chloroform	5.086	83	155478	50.313 ug/l	99
31) Cyclohexane	5.464	56	103050	46.398 ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	131822	51.390 ug/l	99
36) 1,1-Dichloropropene	5.690	75	91272	50.081 ug/l	97
37) Ethyl Acetate	4.721	43	112201	49.805 ug/l	100
38) Carbon Tetrachloride	5.672	117	105515	53.777 ug/l	94
39) Methylcyclohexane	7.373	83	109863	50.425 ug/l	98
40) Benzene	6.031	78	302466	54.662 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044565.D
Acq On : 30 Dec 2024 23:31
Operator : JC/MD
Sample : P5376-09MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Quant Time: Dec 31 00:42:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	61771	51.637 ug/l	97
42) 1,2-Dichloroethane	6.080	62	119613	52.476 ug/l	97
43) Isopropyl Acetate	6.342	43	178954	50.823 ug/l	99
44) Trichloroethene	7.123	130	75397	54.641 ug/l	99
45) 1,2-Dichloropropane	7.427	63	71931	50.882 ug/l	98
46) Dibromomethane	7.574	93	60376	55.051 ug/l	92
47) Bromodichloromethane	7.824	83	108492	57.278 ug/l	97
48) Methyl methacrylate	7.696	41	89847	52.566 ug/l	96
49) 1,4-Dioxane	7.665	88	27843	982.512 ug/l #	67
51) 4-Methyl-2-Pentanone	8.574	43	610558	269.681 ug/l	99
52) Toluene	8.714	92	188284	54.185 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	101551	49.951 ug/l	94
54) cis-1,3-Dichloropropene	8.366	75	111258	53.947 ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	79785	57.797 ug/l	97
56) Ethyl methacrylate	9.116	69	120288	55.197 ug/l	97
57) 1,3-Dichloropropane	9.305	76	130926	54.489 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.171	63	666	0.606 ug/l #	46
59) 2-Hexanone	9.433	43	452053	275.855 ug/l	97
60) Dibromochloromethane	9.518	129	79058	53.799 ug/l	98
61) 1,2-Dibromoethane	9.610	107	80061	56.977 ug/l	100
64) Tetrachloroethene	9.269	164	63742	51.837 ug/l	97
65) Chlorobenzene	10.079	112	216781	54.606 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	73066	57.267 ug/l	99
67) Ethyl Benzene	10.189	91	359222	52.369 ug/l	100
68) m/p-Xylenes	10.299	106	277945	110.428 ug/l	94
69) o-Xylene	10.640	106	138979	54.573 ug/l	93
70) Styrene	10.652	104	231579	56.724 ug/l	96
71) Bromoform	10.799	173	51474	56.744 ug/l #	99
73) Isopropylbenzene	10.963	105	359171	52.798 ug/l	99
74) N-amyl acetate	10.841	43	146096	46.469 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	124420	52.658 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	125089	63.047 ug/l	86
77) Bromobenzene	11.195	156	91014	55.172 ug/l	93
78) n-propylbenzene	11.305	91	391289	52.041 ug/l	97
79) 2-Chlorotoluene	11.360	91	241758	49.718 ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	290256	51.451 ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	29615	43.578 ug/l	99
82) 4-Chlorotoluene	11.451	91	272161	50.544 ug/l	98
83) tert-Butylbenzene	11.713	119	302779	54.308 ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	292868	52.861 ug/l	99
85) sec-Butylbenzene	11.890	105	353700	52.258 ug/l	98
86) p-Isopropyltoluene	12.006	119	300454	53.335 ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	159178	55.241 ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	157882	53.300 ug/l	96
89) n-Butylbenzene	12.329	91	243147	51.330 ug/l	100
90) Hexachloroethane	12.536	117	46484	56.528 ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	161181	53.871 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	23931	52.174 ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	94053	57.338 ug/l	98
94) Hexachlorobutadiene	13.725	225	38792	58.794 ug/l	99
95) Naphthalene	13.774	128	335035	52.326 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	100100	57.535 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044565.D
Acq On : 30 Dec 2024 23:31
Operator : JC/MD
Sample : P5376-09MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Quant Time: Dec 31 00:42:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

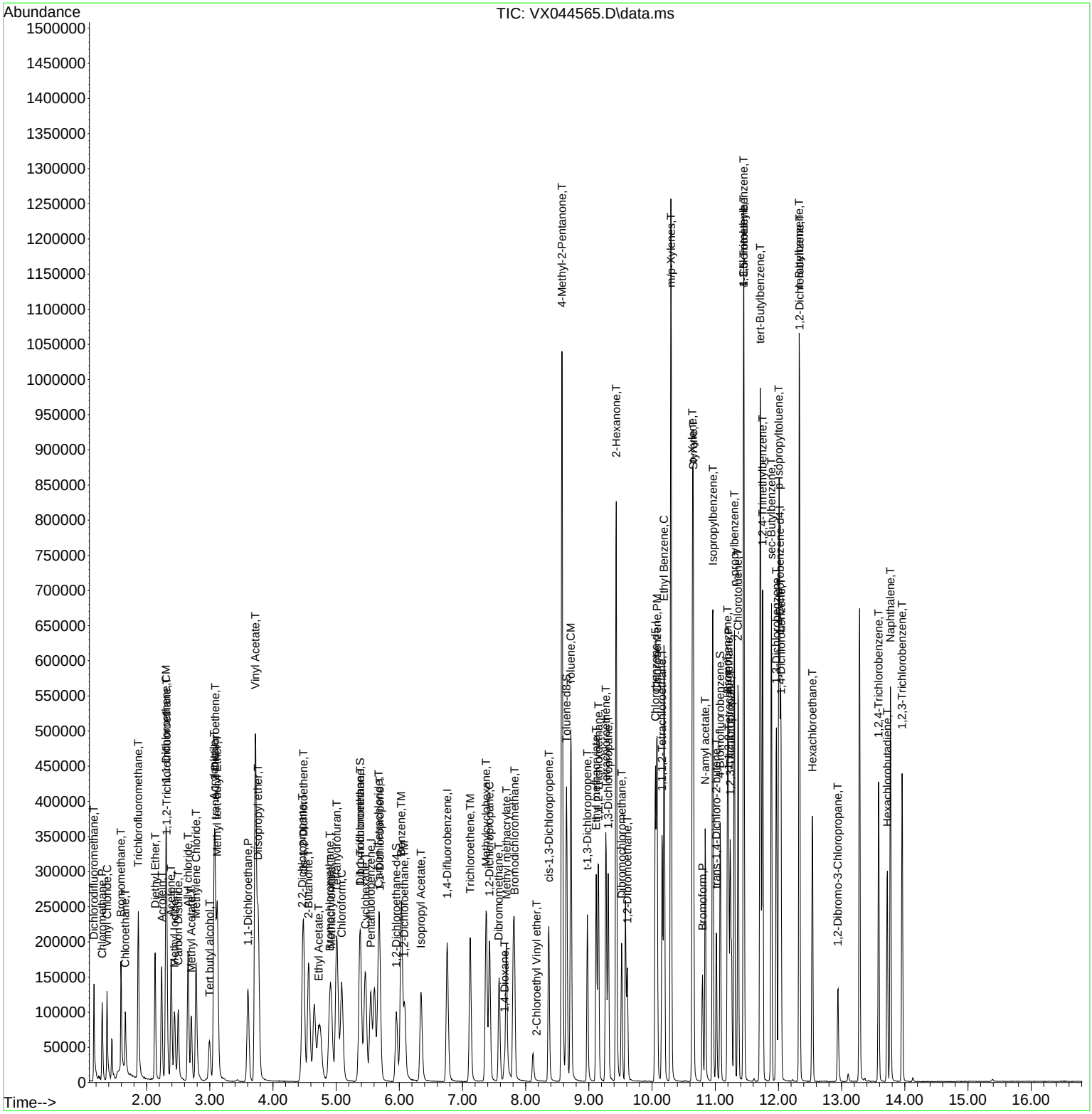
(#) = qualifier out of range (m) = manual integration (+) = signals summed

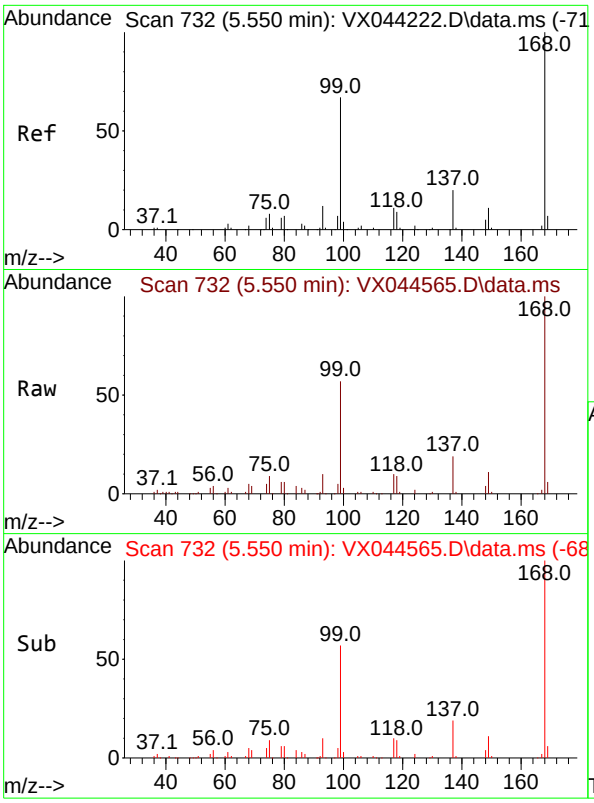
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044565.D
Acq On : 30 Dec 2024 23:31
Operator : JC/MD
Sample : P5376-09MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Quant Time: Dec 31 00:42:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



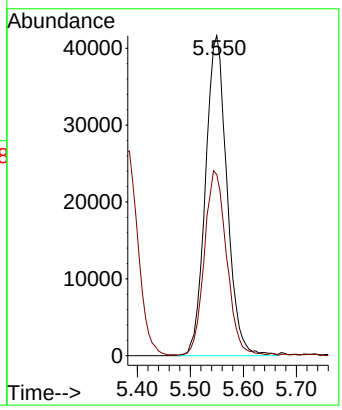


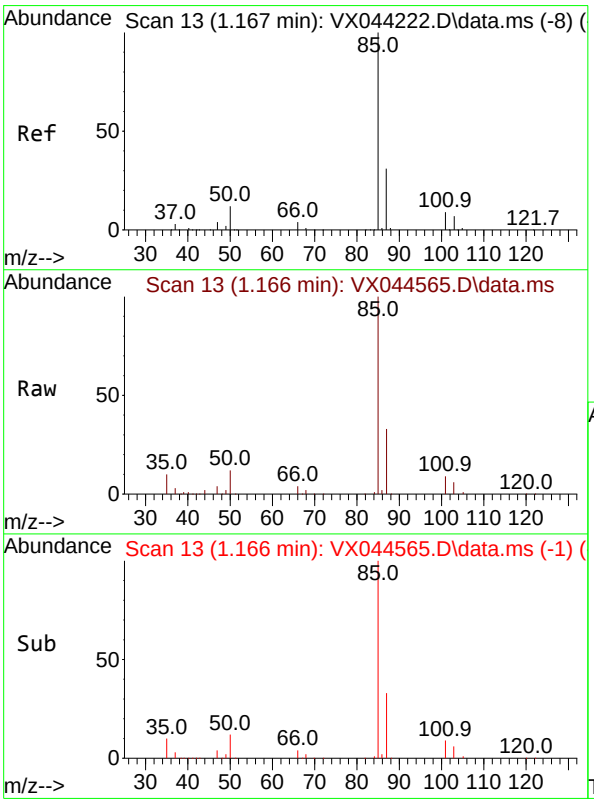
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion:168 Resp: 117366

Ion	Ratio	Lower	Upper
168	100		
99	56.5	53.4	80.0

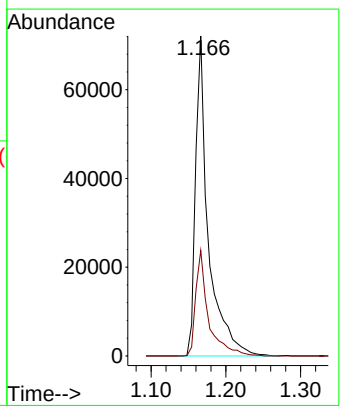


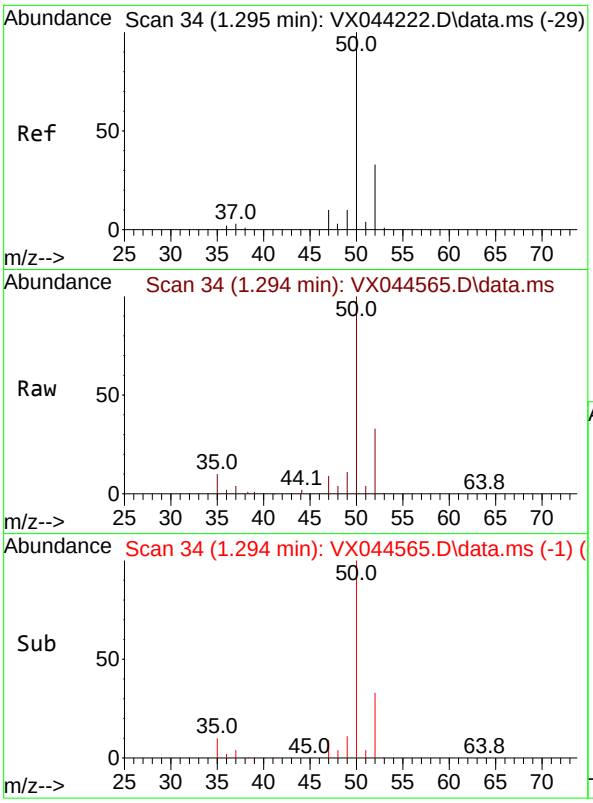


#2
Dichlorodifluoromethane
Concen: 47.181 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 85 Resp: 85623

Ion	Ratio	Lower	Upper
85	100		
87	33.0	15.4	46.4



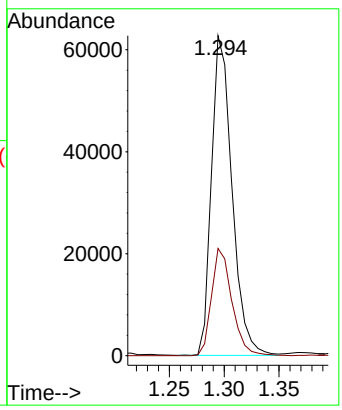


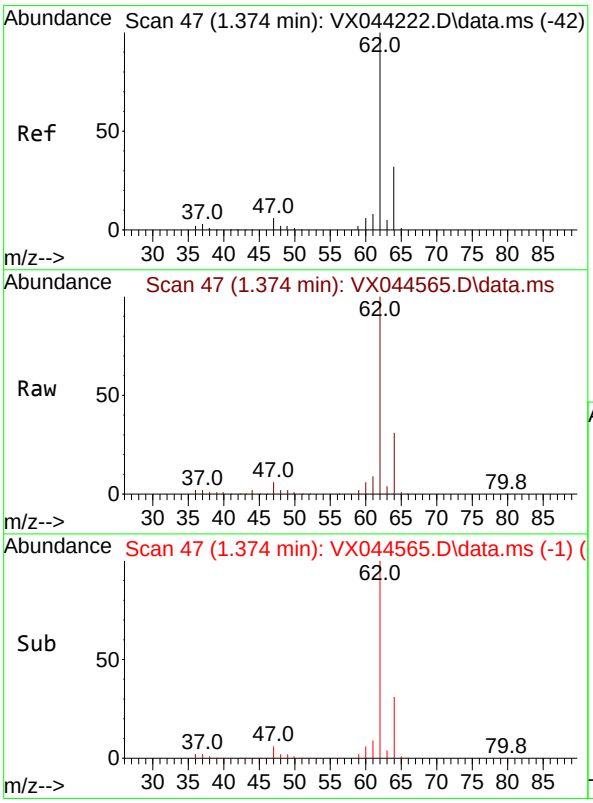
#3
Chloromethane
Concen: 47.052 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 50 Resp: 81656

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.5	39.7

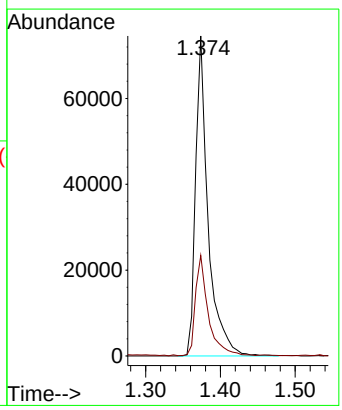


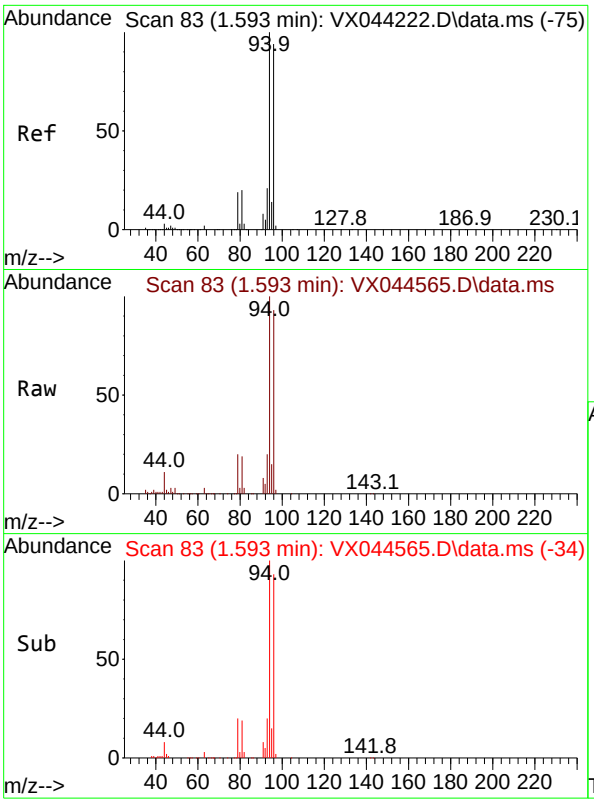


#4
Vinyl Chloride
Concen: 47.831 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 62 Resp: 86477

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.7	38.5



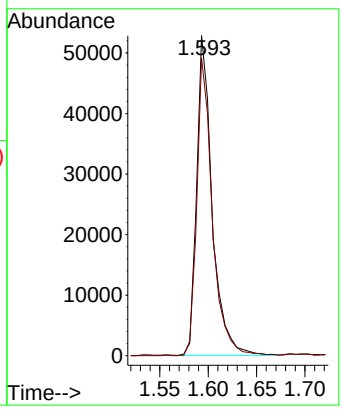


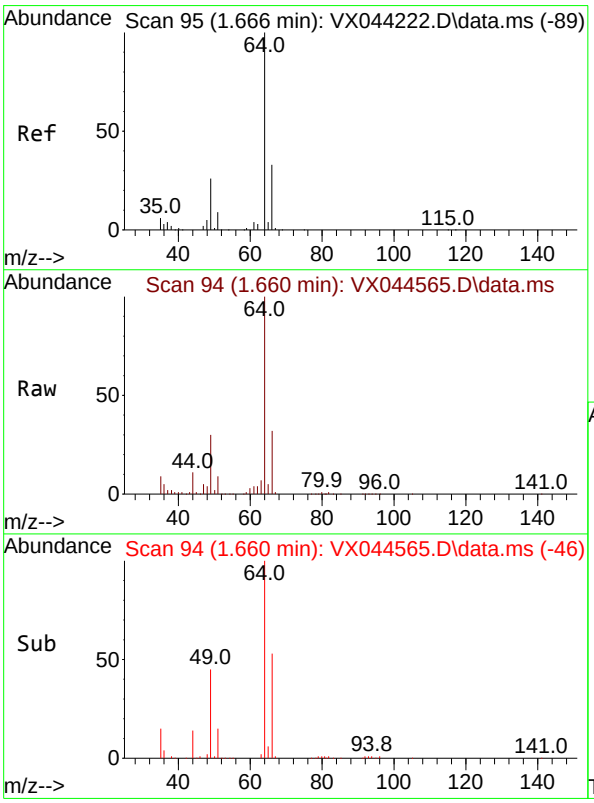
#5
Bromomethane
Concen: 45.920 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 94 Resp: 58899

Ion	Ratio	Lower	Upper
94	100		
96	93.2	74.9	112.3

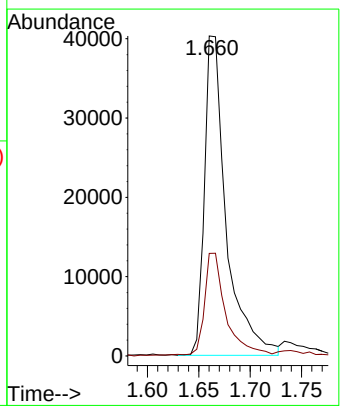


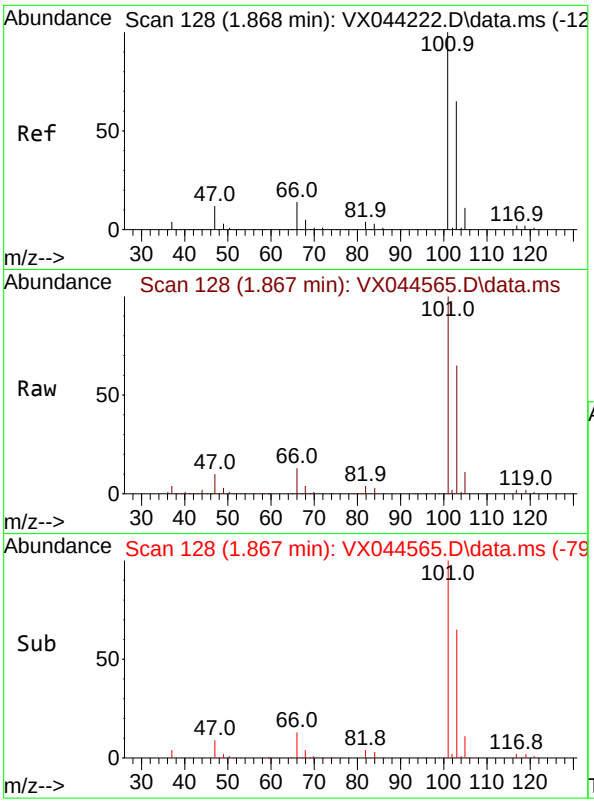


#6
Chloroethane
Concen: 52.796 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 64 Resp: 59438

Ion	Ratio	Lower	Upper
64	100		
66	31.6	26.6	39.8



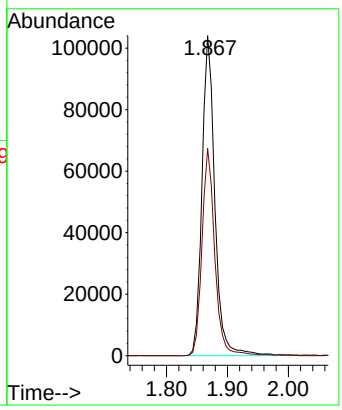


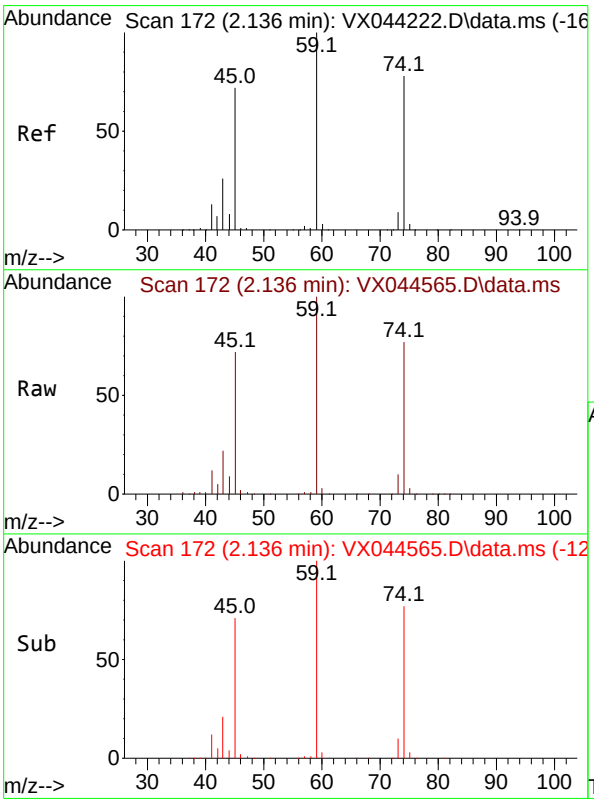
#7
Trichlorofluoromethane
Concen: 43.199 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion:101 Resp: 152903

Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.8	77.8

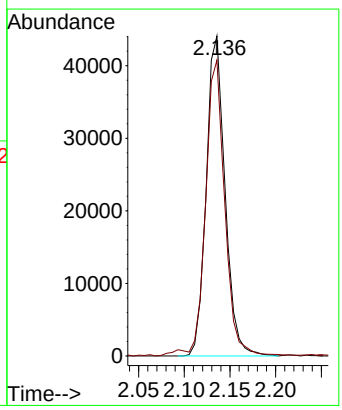


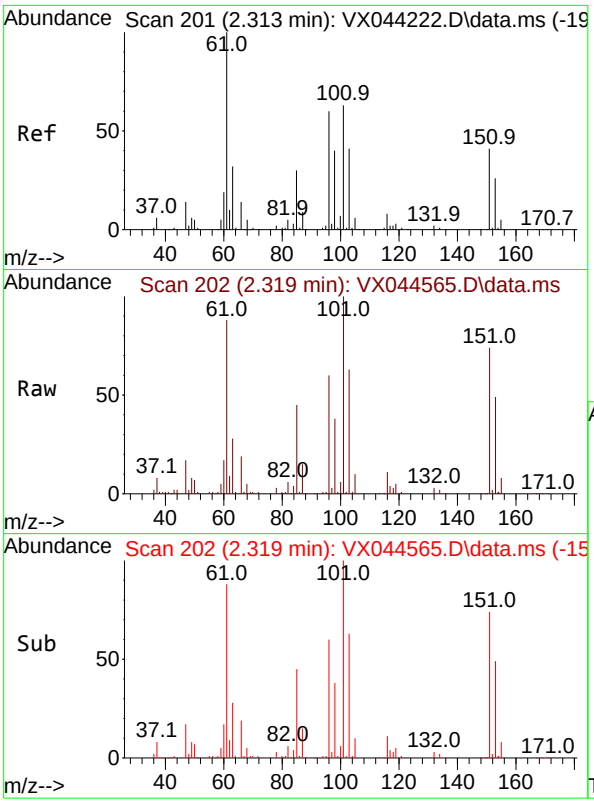


#8
Diethyl Ether
Concen: 52.039 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 74 Resp: 62872

Ion	Ratio	Lower	Upper
74	100		
45	94.9	48.4	145.0



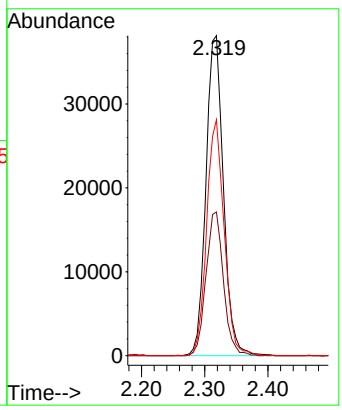


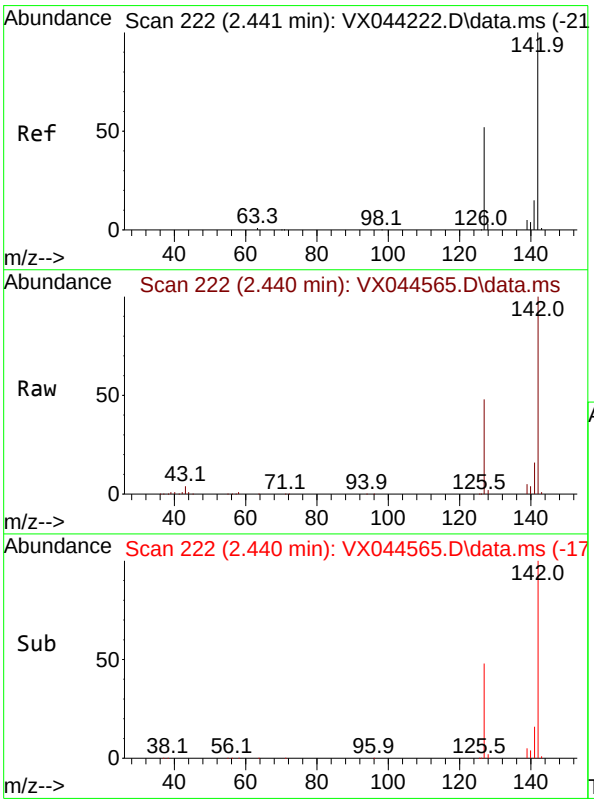
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.257 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion:101 Resp: 73413

Ion	Ratio	Lower	Upper
101	100		
85	45.0	38.5	57.7
151	73.8	55.8	83.6

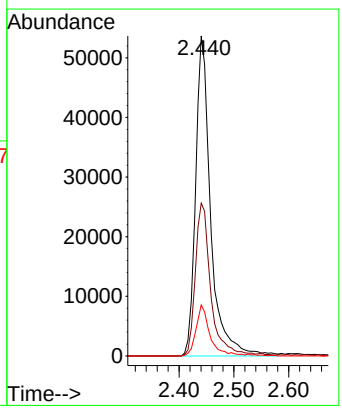


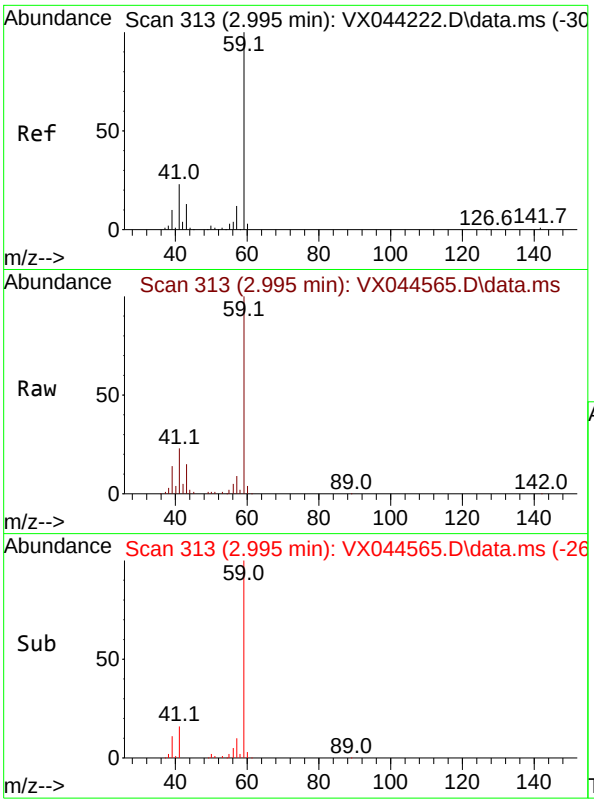


#10
Methyl Iodide
Concen: 54.560 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:142 Resp: 102991

Ion	Ratio	Lower	Upper
142	100		
127	48.7	41.8	62.8
141	14.6	11.5	17.3



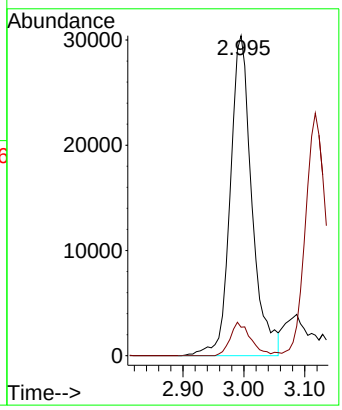


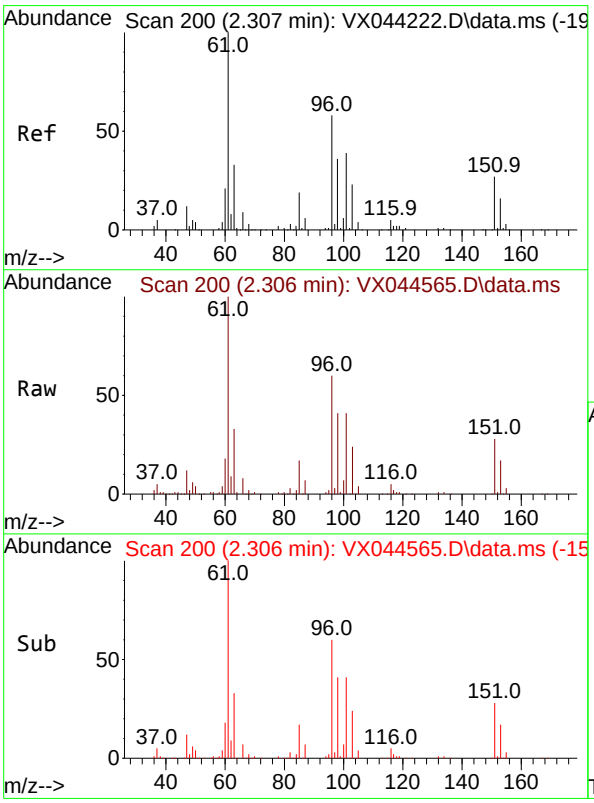
#11
Tert butyl alcohol
Concen: 259.514 ug/l
RT: 2.995 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 59 Resp: 75264

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.8	13.2

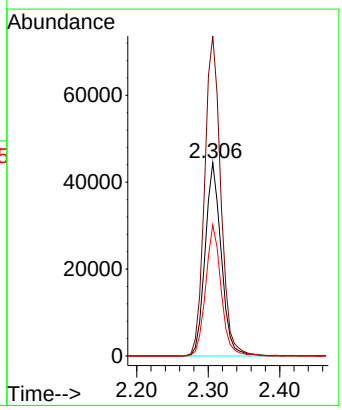


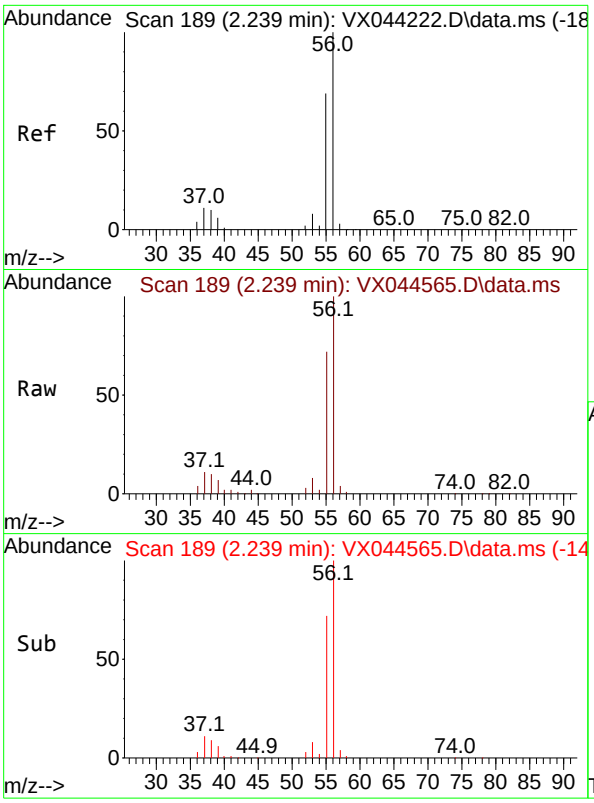


#12
1,1-Dichloroethene
Concen: 52.846 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 96 Resp: 69520

Ion	Ratio	Lower	Upper
96	100		
61	165.5	138.0	207.0
98	67.8	50.0	75.0



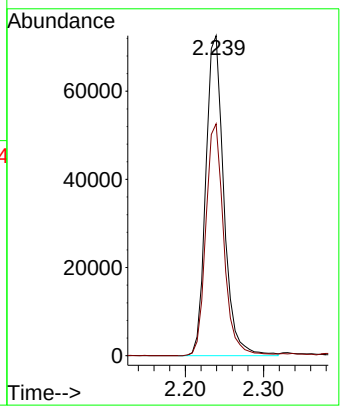


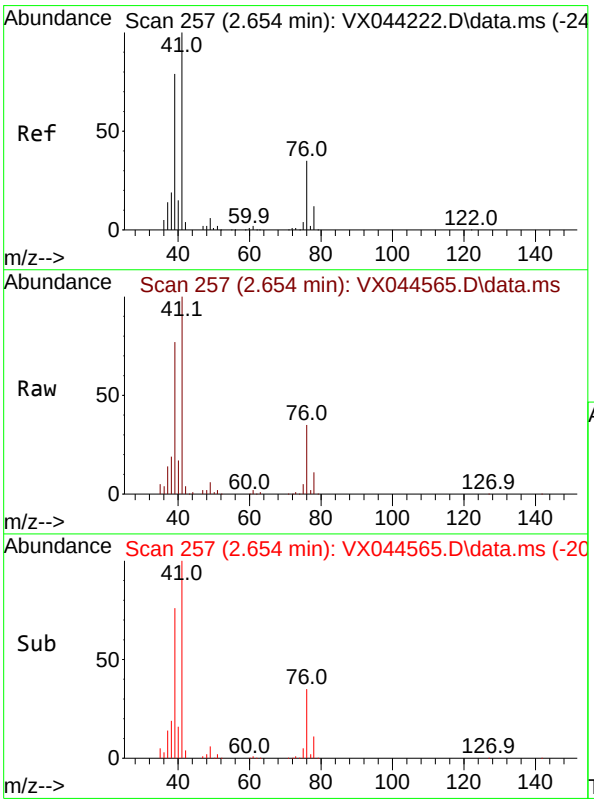
#13
Acrolein
Concen: 275.949 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 56 Resp: 115847

Ion	Ratio	Lower	Upper
56	100		
55	72.2	56.6	84.8

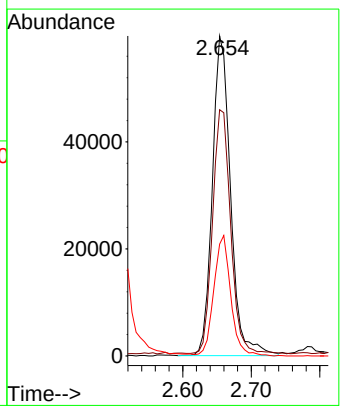


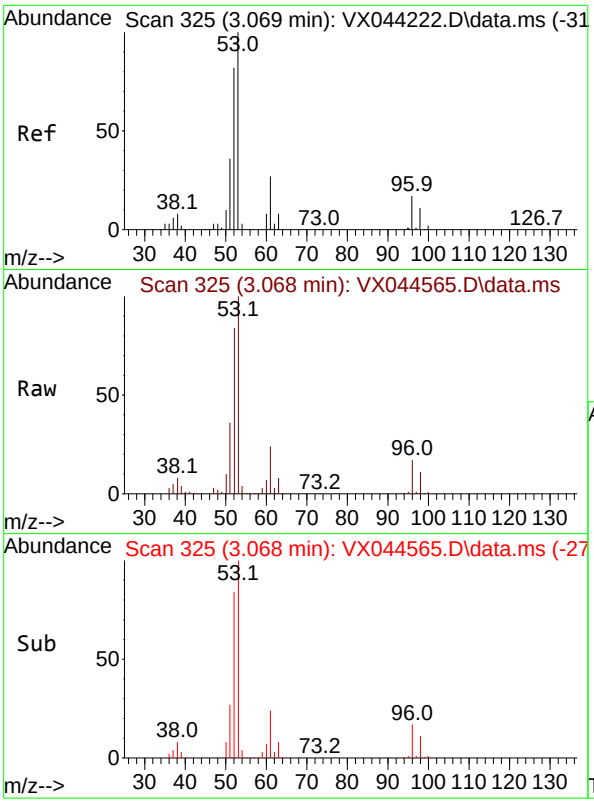


#14
Allyl chloride
Concen: 50.363 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 41 Resp: 110354

Ion	Ratio	Lower	Upper
41	100		
39	75.6	61.9	92.9
76	35.0	27.4	41.2



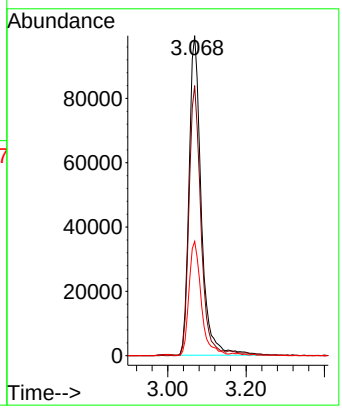


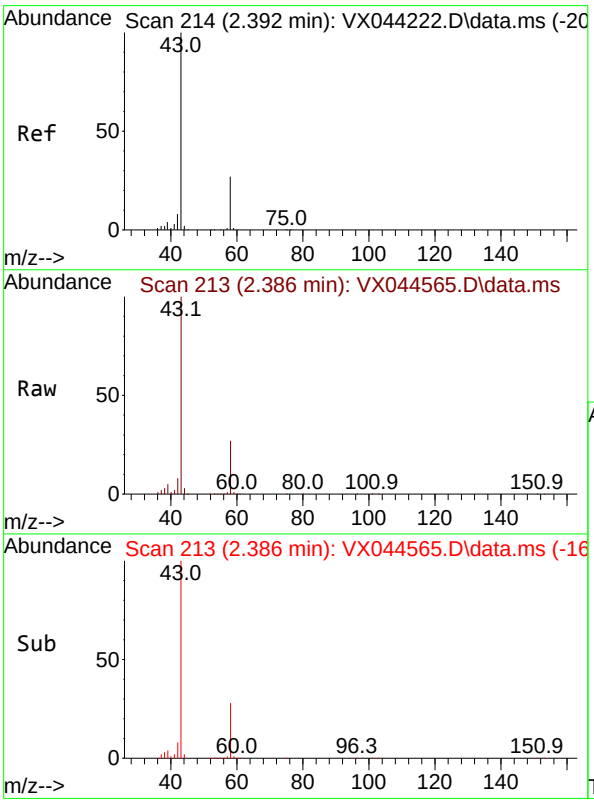
#15
Acrylonitrile
Concen: 268.135 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 53 Resp: 215410

Ion	Ratio	Lower	Upper
53	100		
52	81.9	67.4	101.0
51	36.0	30.3	45.5

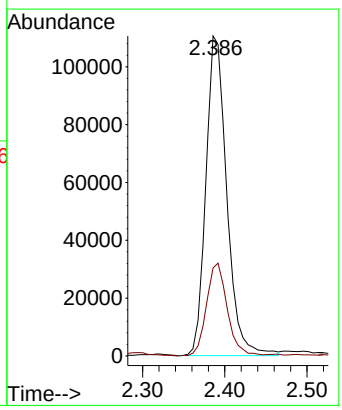


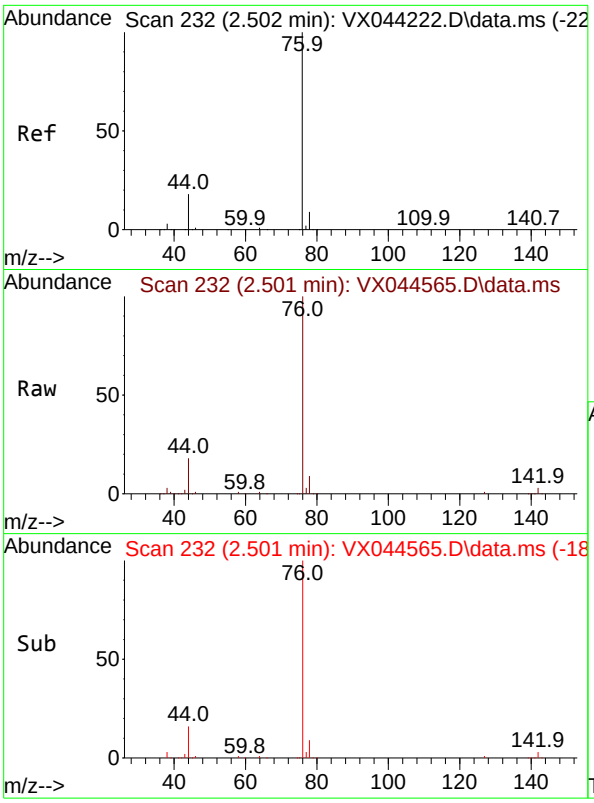


#16
Acetone
Concen: 232.779 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 43 Resp: 195287

Ion	Ratio	Lower	Upper
43	100		
58	27.5	21.6	32.4



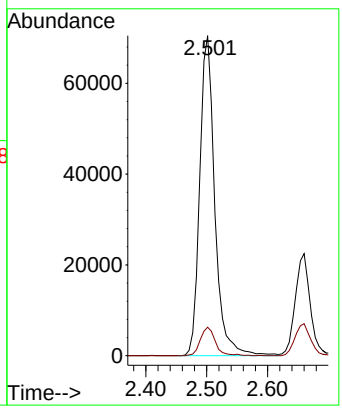


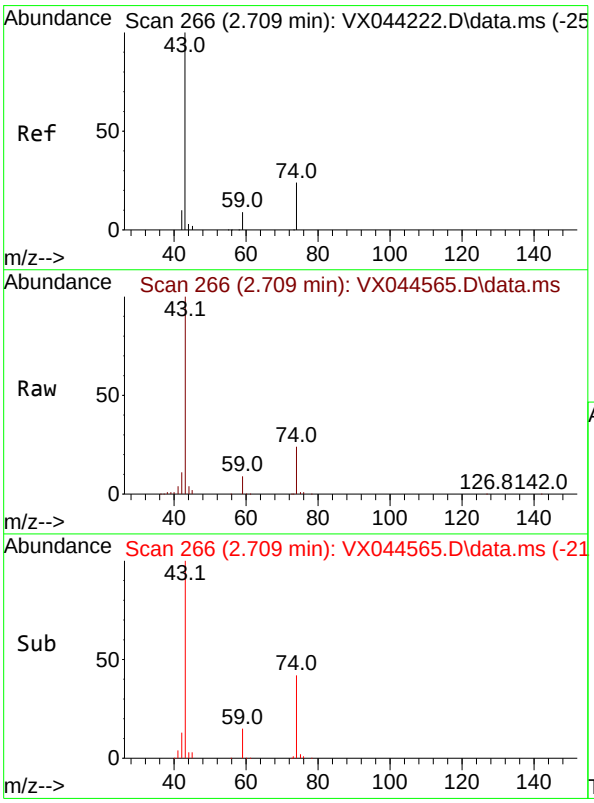
#17
Carbon Disulfide
Concen: 48.418 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 76 Resp: 121076

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

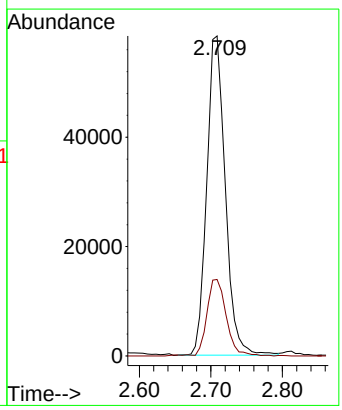


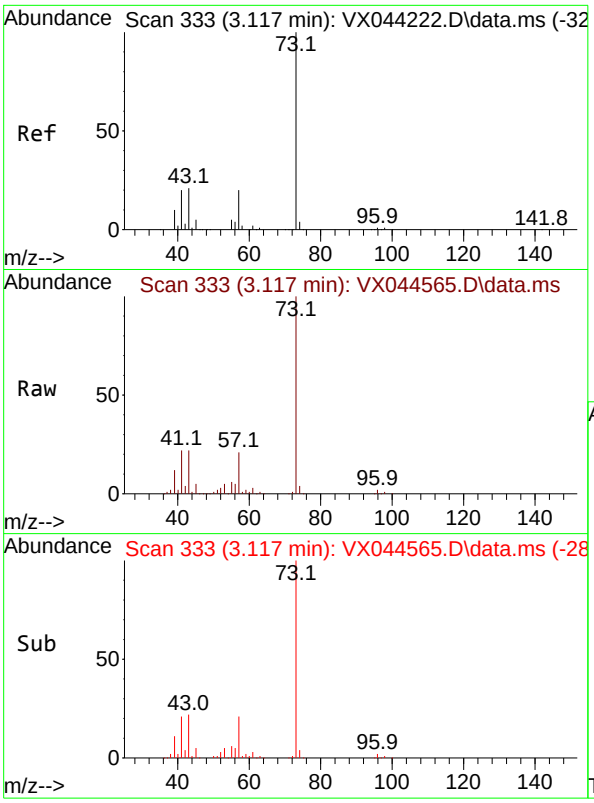


#18
Methyl Acetate
Concen: 48.556 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 43 Resp: 105030

Ion	Ratio	Lower	Upper
43	100		
74	24.9	17.7	26.5



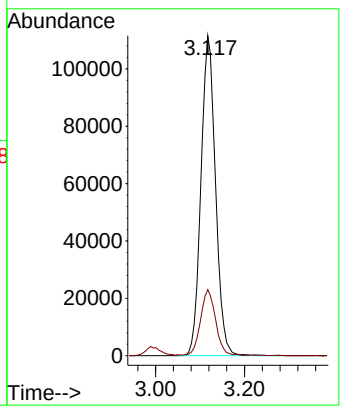


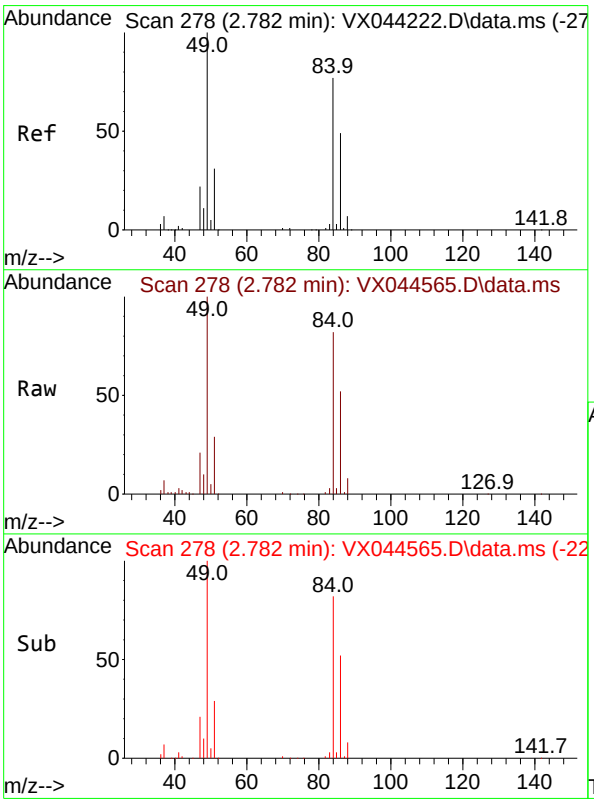
#19
Methyl tert-butyl Ether
Concen: 49.640 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 73 Resp: 254833

Ion	Ratio	Lower	Upper
73	100		
57	20.5	16.2	24.4

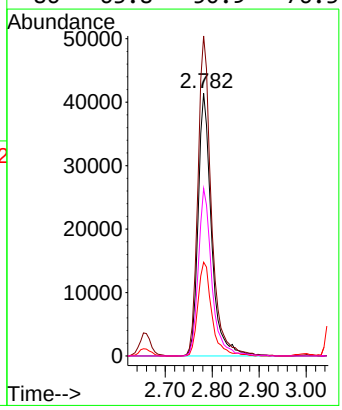


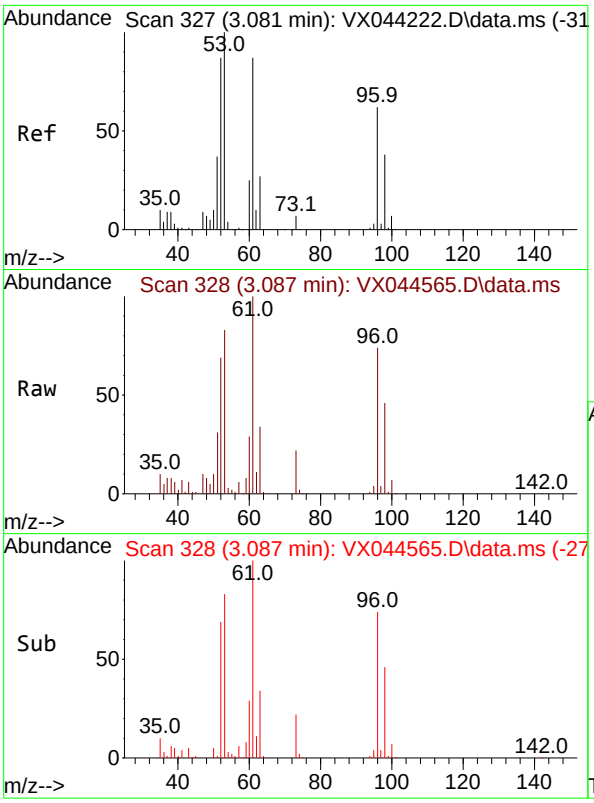


#20
Methylene Chloride
Concen: 51.852 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 84 Resp: 81705

Ion	Ratio	Lower	Upper
84	100		
49	121.9	104.2	156.4
51	35.7	32.2	48.4
86	63.8	50.9	76.3



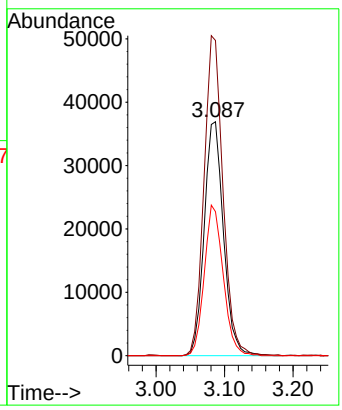


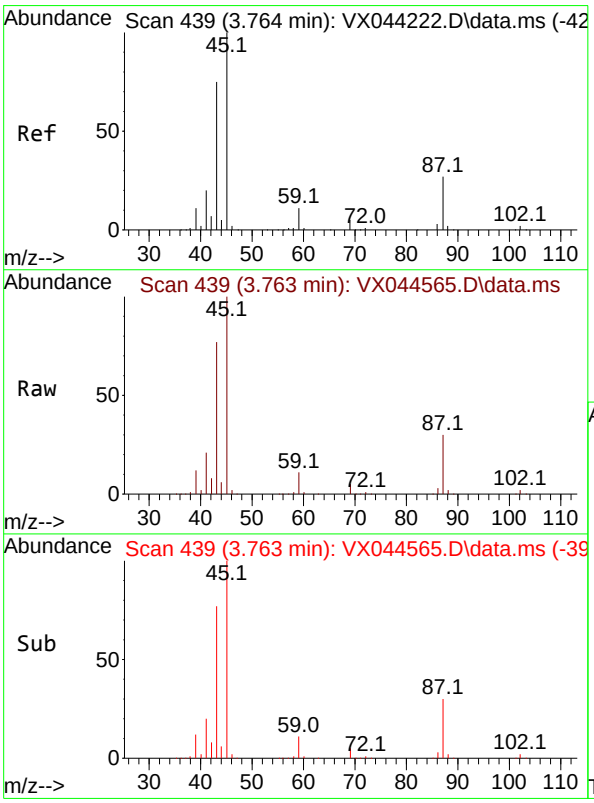
#21
trans-1,2-Dichloroethene
Concen: 51.570 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 96 Resp: 72101

Ion	Ratio	Lower	Upper
96	100		
61	134.7	112.0	168.0
98	61.6	48.8	73.2

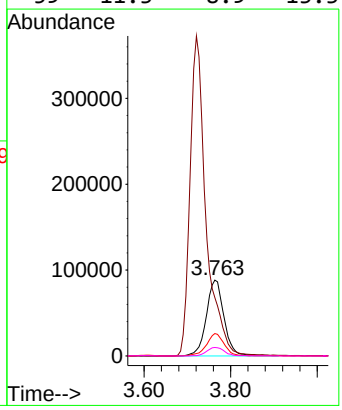


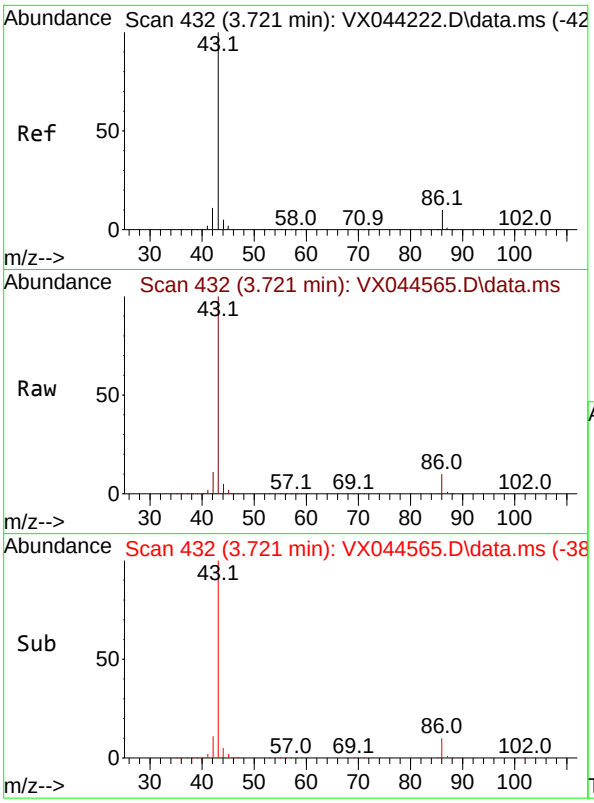


#22
Diisopropyl ether
Concen: 50.778 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 45 Resp: 250548

Ion	Ratio	Lower	Upper
45	100		
43	76.2	60.2	90.2
87	29.5	21.2	31.8
59	11.3	8.9	13.3



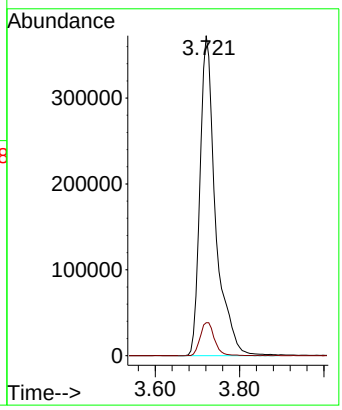


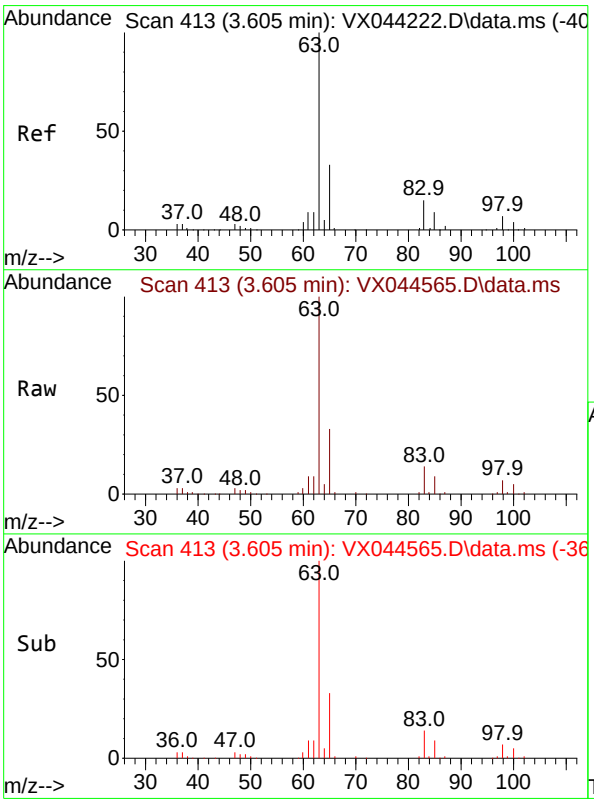
#23
Vinyl Acetate
Concen: 239.112 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 43 Resp: 959197

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.2	12.2

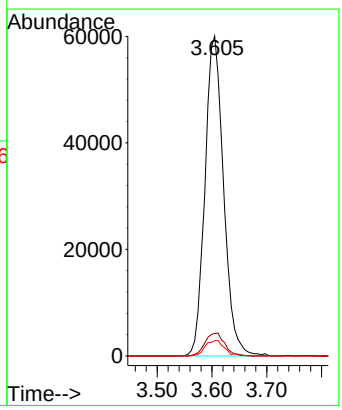


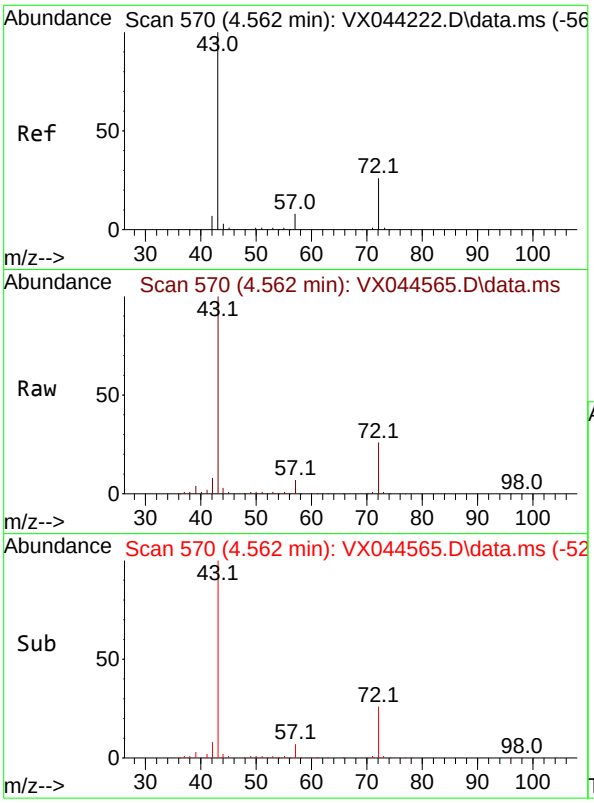


#24
1,1-Dichloroethane
Concen: 51.582 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 63 Resp: 141873

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.6	10.8
100	4.8	2.1	6.3



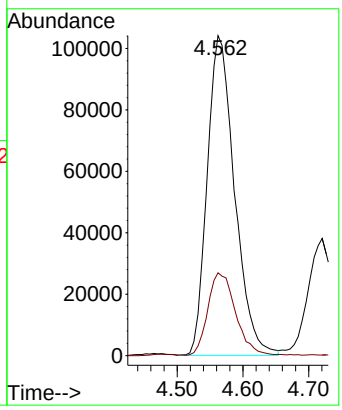


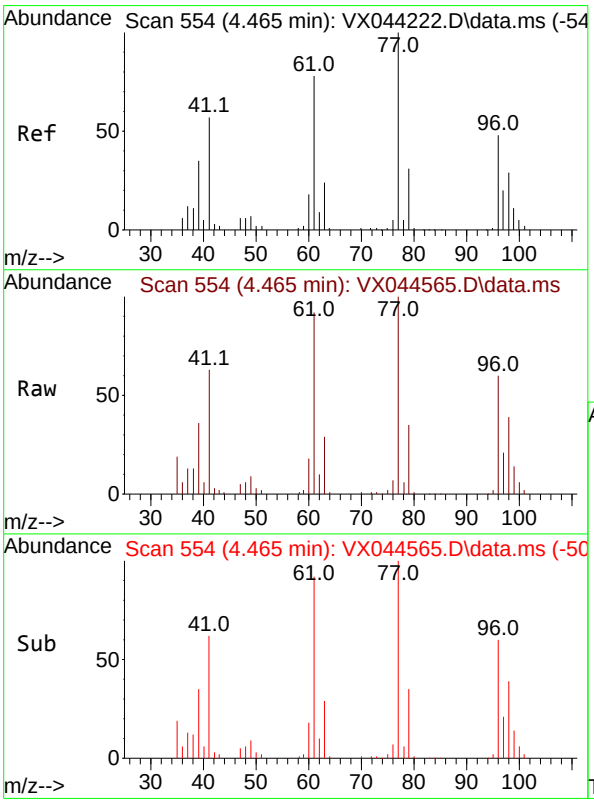
#25
2-Butanone
Concen: 252.705 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 43 Resp: 301393

Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.2	30.4

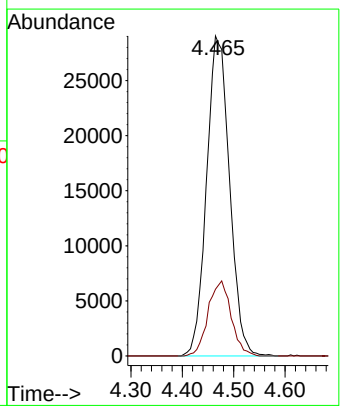


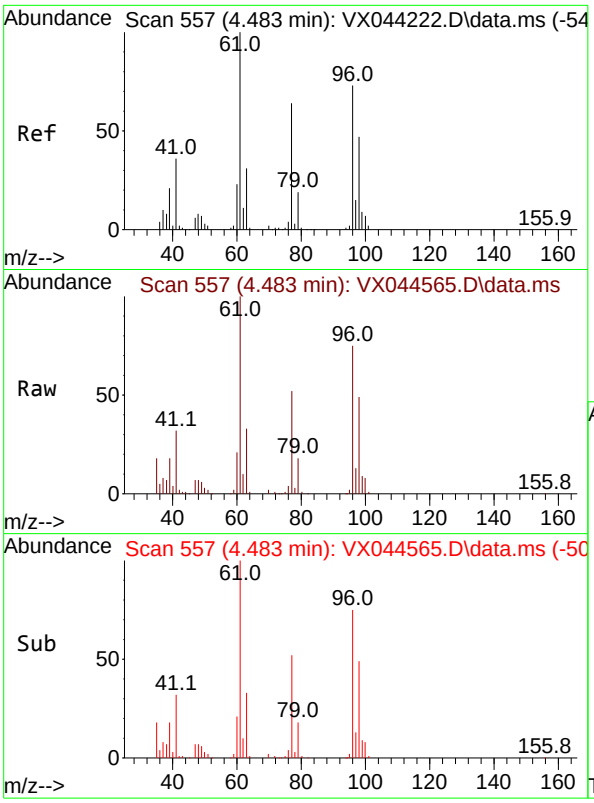


#26
2,2-Dichloropropane
Concen: 40.316 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 77 Resp: 90082

Ion	Ratio	Lower	Upper
77	100		
97	23.5	10.7	32.1



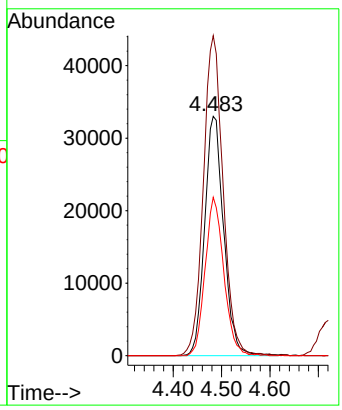


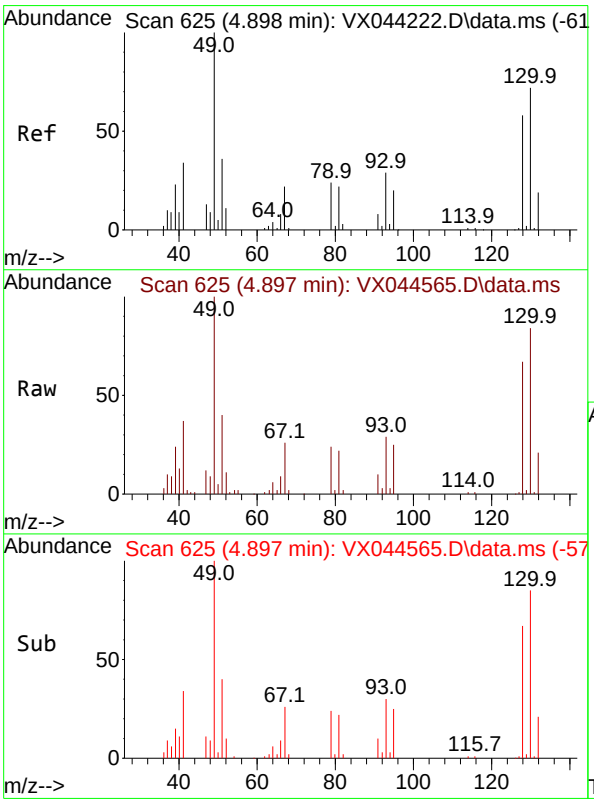
#27
cis-1,2-Dichloroethene
Concen: 50.847 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 96 Resp: 90287

Ion	Ratio	Lower	Upper
96	100		
61	138.5	0.0	299.0
98	65.0	0.0	129.0

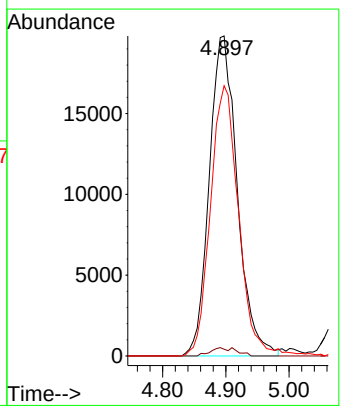


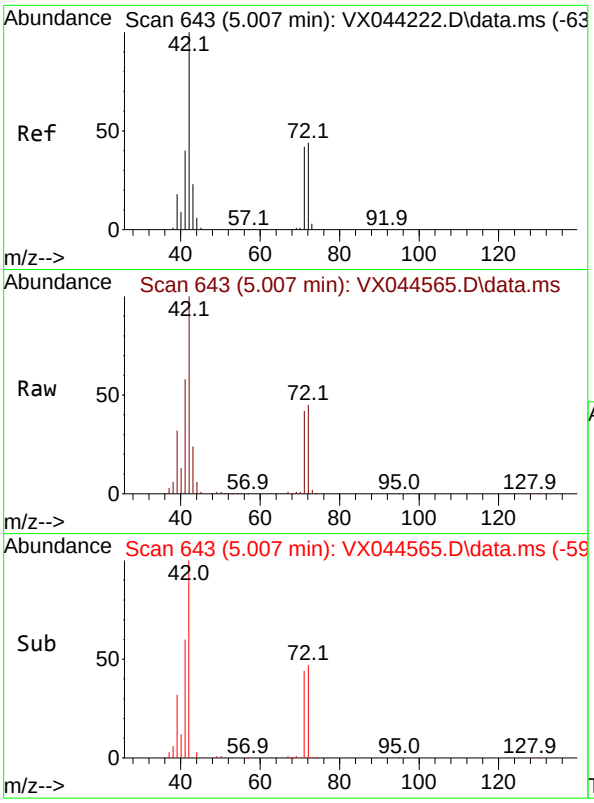


#28
Bromochloromethane
Concen: 45.126 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 49 Resp: 60861

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.2
130	85.1	62.1	93.1



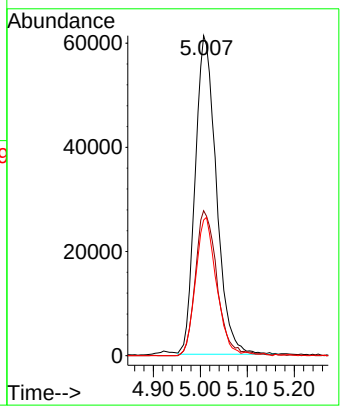


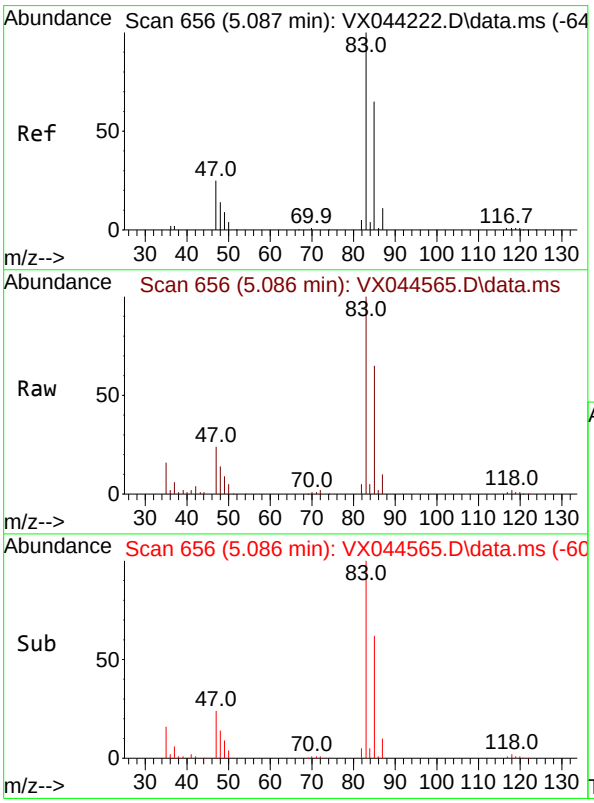
#29
Tetrahydrofuran
Concen: 250.067 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 42 Resp: 191435

Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.0	55.6
71	43.2	33.6	50.4

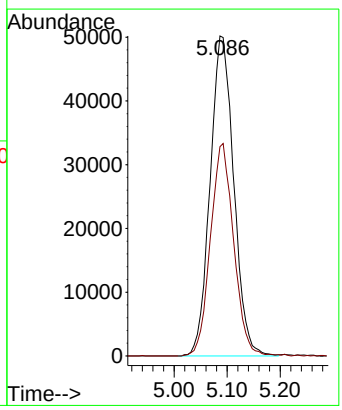


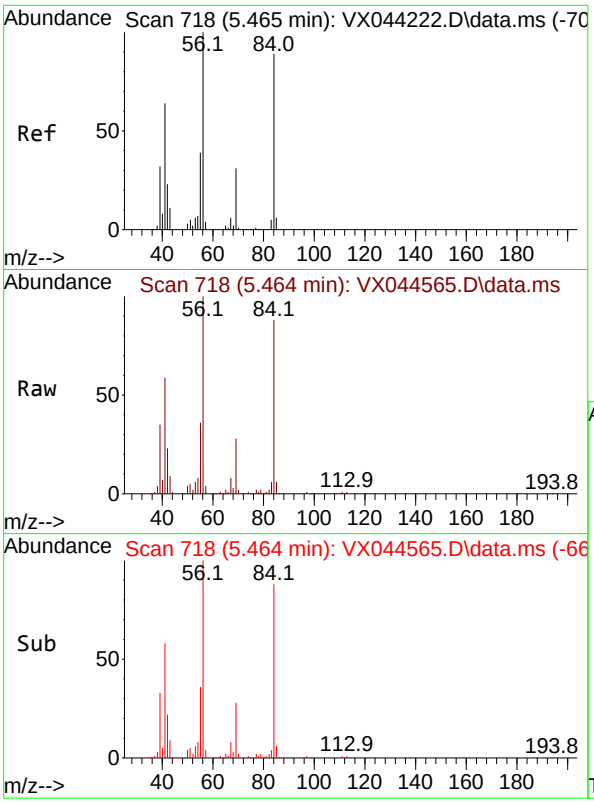


#30
Chloroform
Concen: 50.313 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 83 Resp: 155478

Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.6	77.4



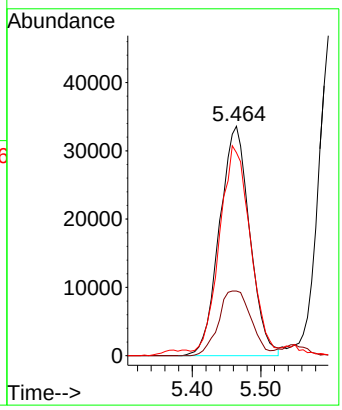


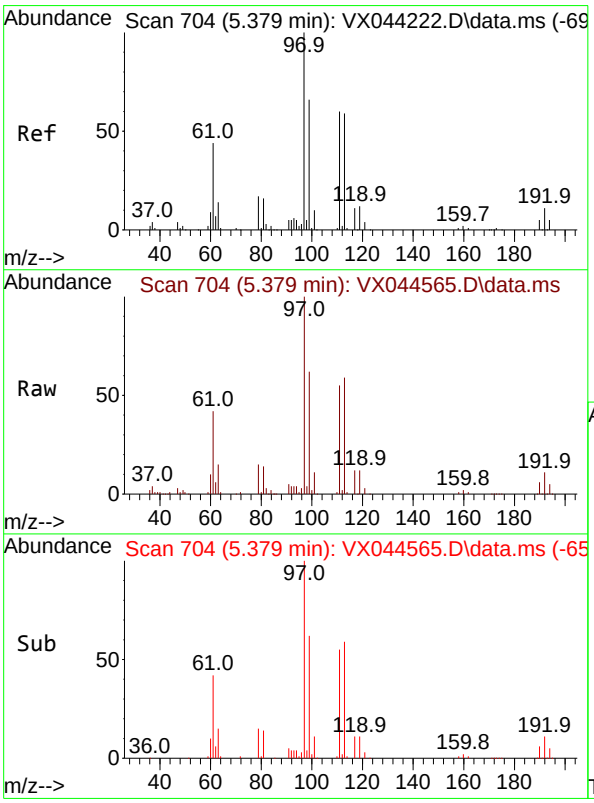
#31
Cyclohexane
Concen: 46.398 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 56 Resp: 103050

Ion	Ratio	Lower	Upper
56	100		
69	28.2	24.7	37.1
84	86.5	71.0	106.6

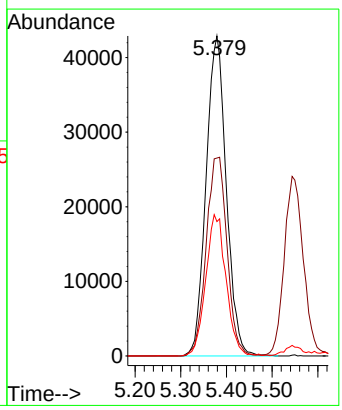


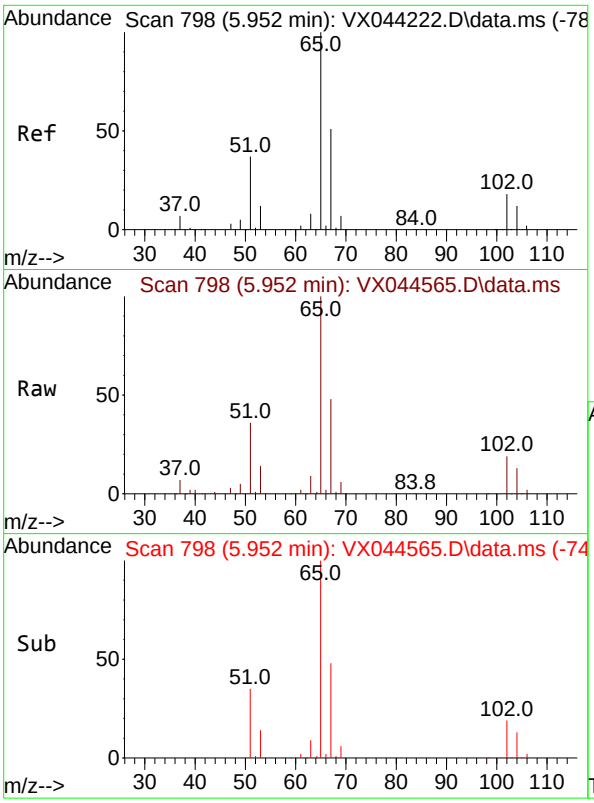


#32
1,1,1-Trichloroethane
Concen: 51.390 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 97 Resp: 131822

Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.8	76.2
61	44.6	35.2	52.8



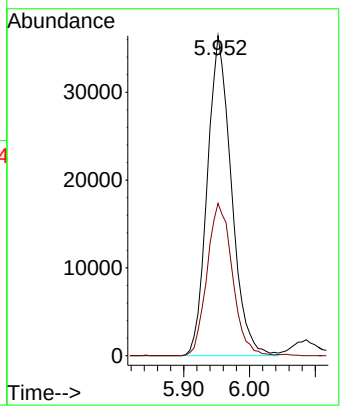


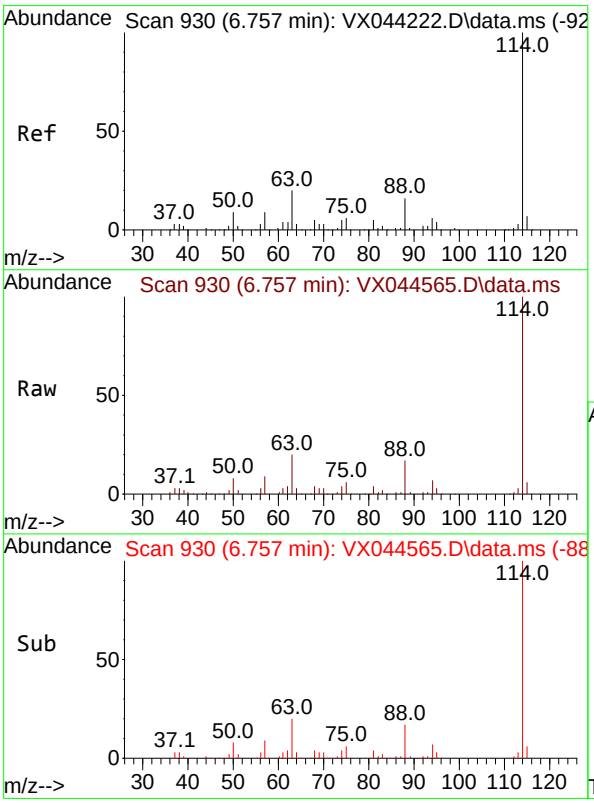
#33
1,2-Dichloroethane-d4
Concen: 45.051 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 65 Resp: 92706

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	101.6

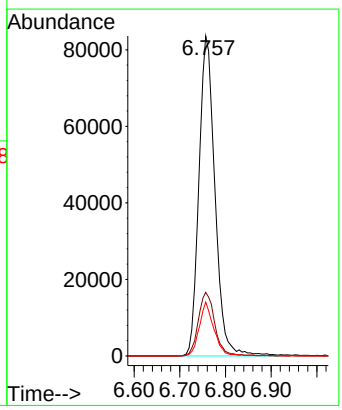


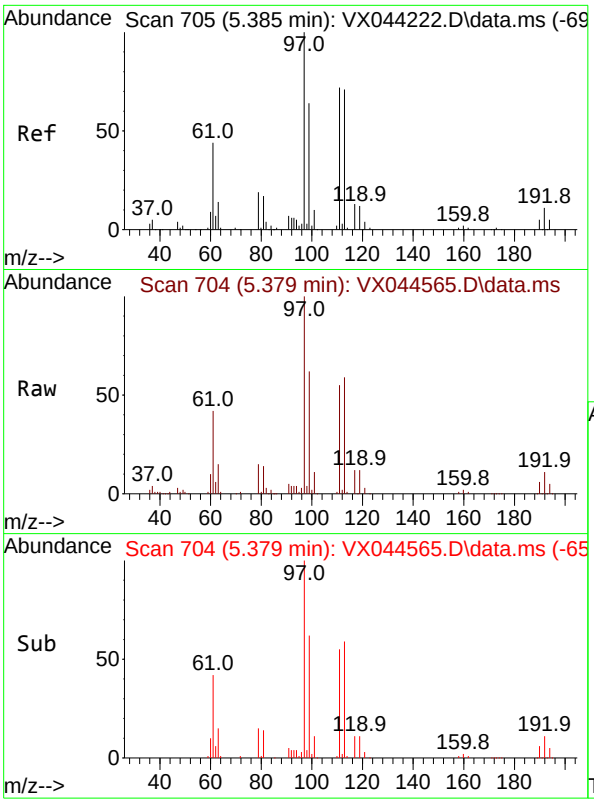


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:114 Resp: 203568

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.6
88	16.9	0.0	31.8



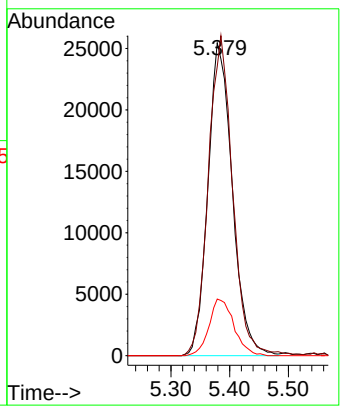


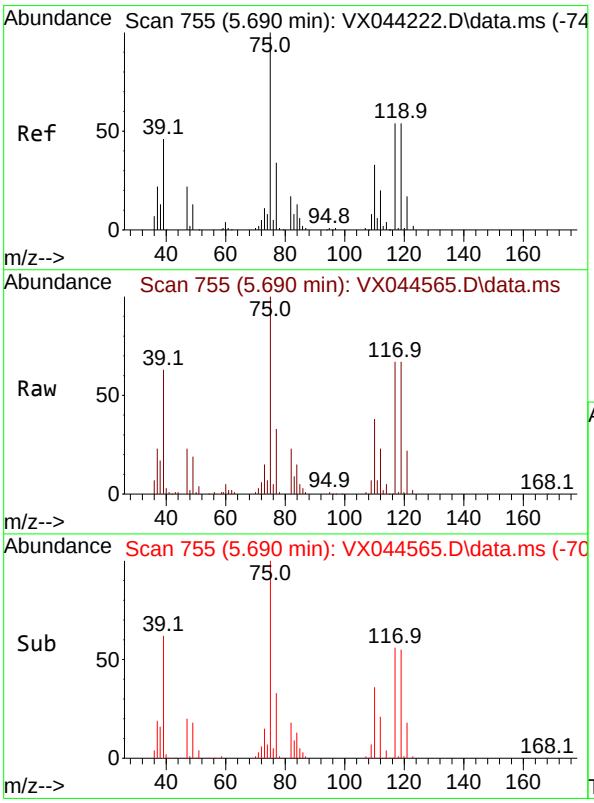
#35
Dibromofluoromethane
Concen: 52.183 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion:113 Resp: 73572

Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.4	120.6
192	18.4	13.3	19.9

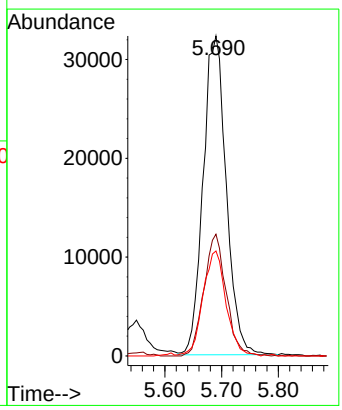


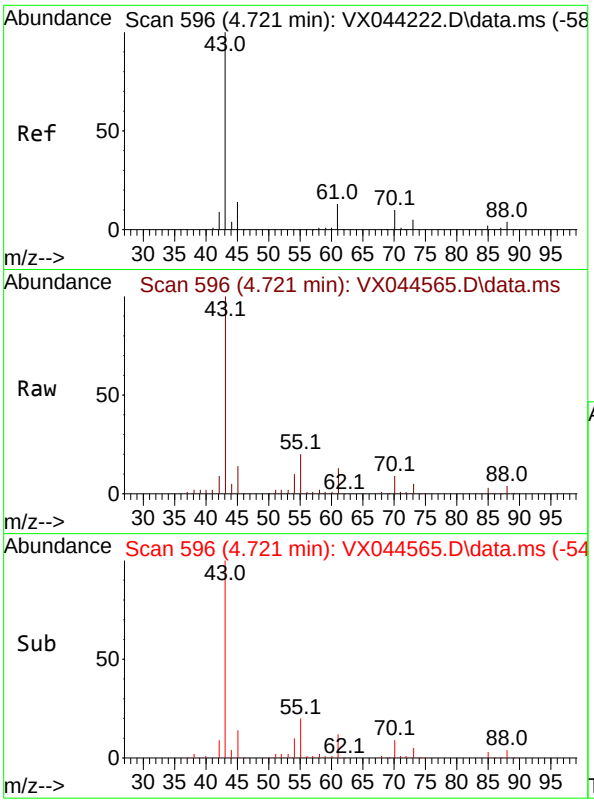


#36
1,1-Dichloropropene
Concen: 50.081 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 75 Resp: 91272

Ion	Ratio	Lower	Upper
75	100		
110	36.7	17.3	51.7
77	32.9	25.4	38.0



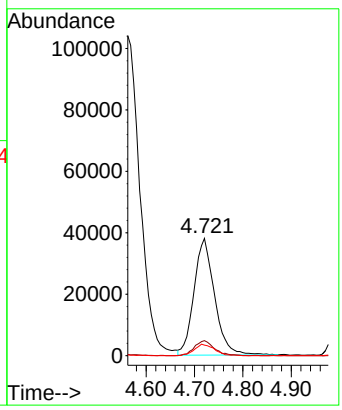


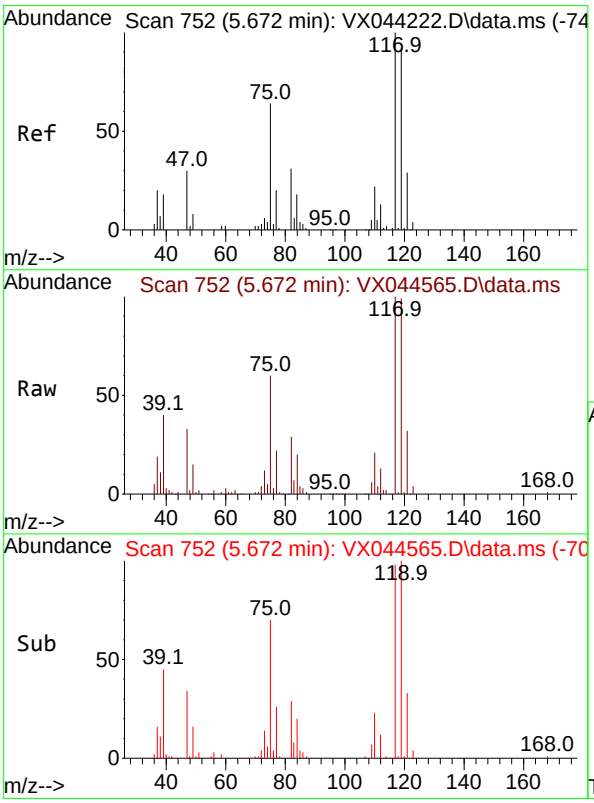
#37
Ethyl Acetate
Concen: 49.805 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 43 Resp: 112201

Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.8	14.8
70	9.6	7.7	11.5

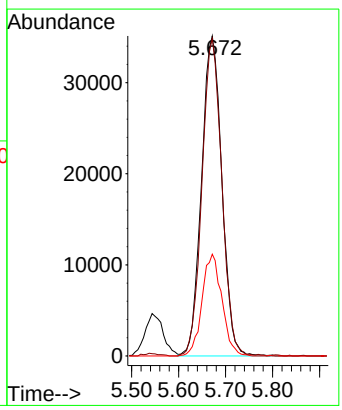


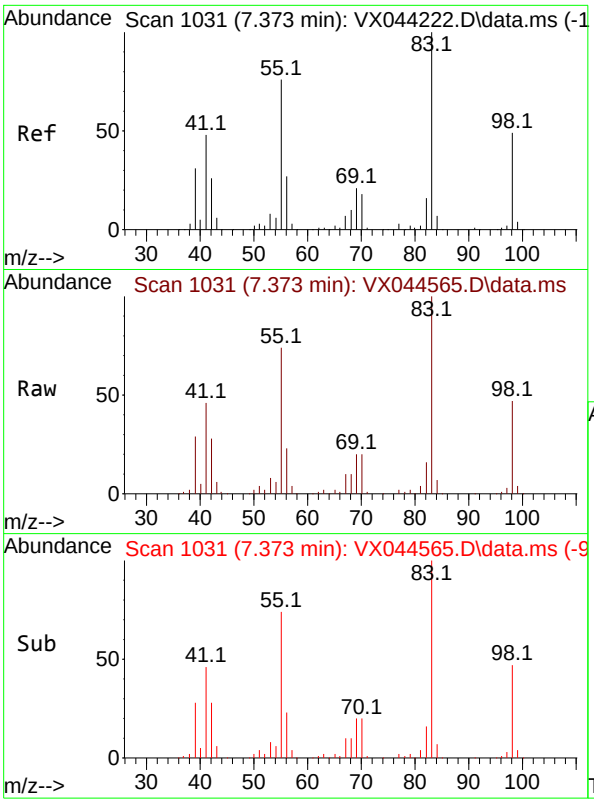


#38
Carbon Tetrachloride
Concen: 53.777 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:117 Resp: 105515

Ion	Ratio	Lower	Upper
117	100		
119	99.2	74.2	111.4
121	31.8	23.0	34.6



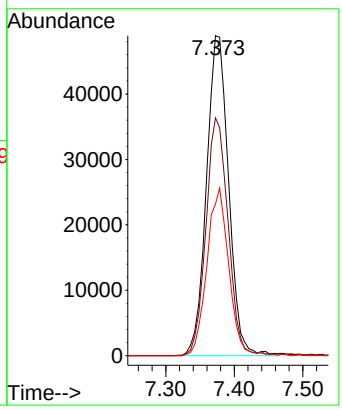


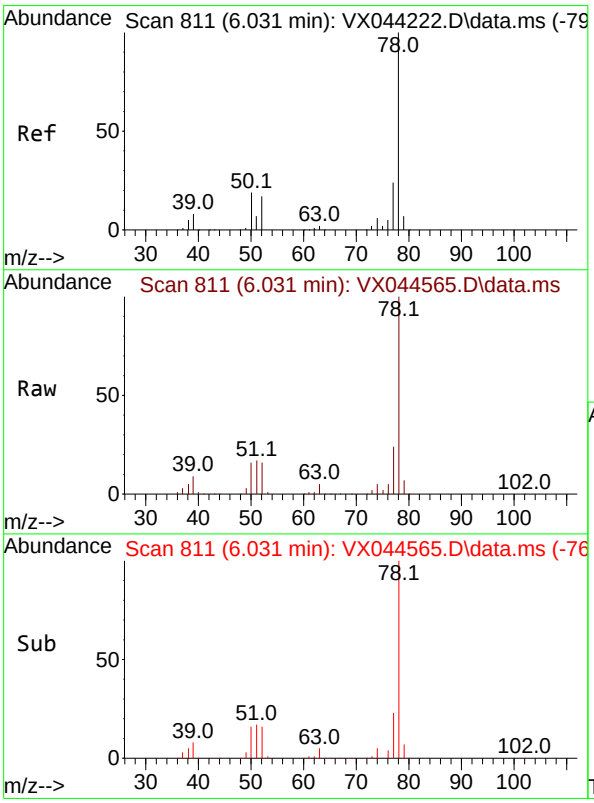
#39
Methylcyclohexane
Concen: 50.425 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 83 Resp: 109863

Ion	Ratio	Lower	Upper
83	100		
55	74.1	60.7	91.1
98	47.4	38.9	58.3

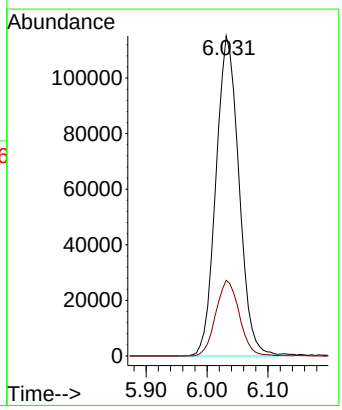


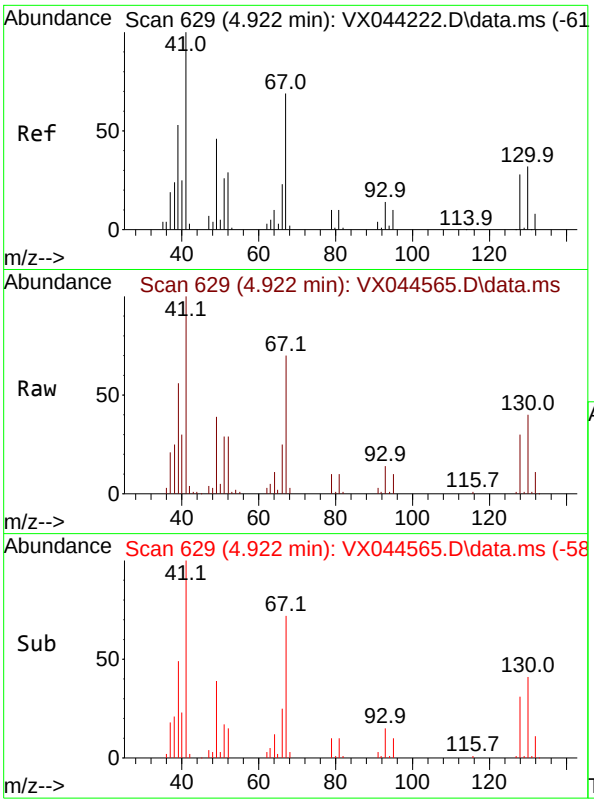


#40
Benzene
Concen: 54.662 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 78 Resp: 302466

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.3	28.9



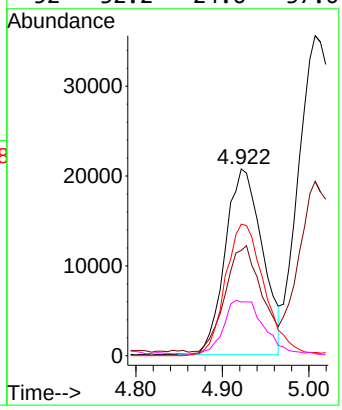


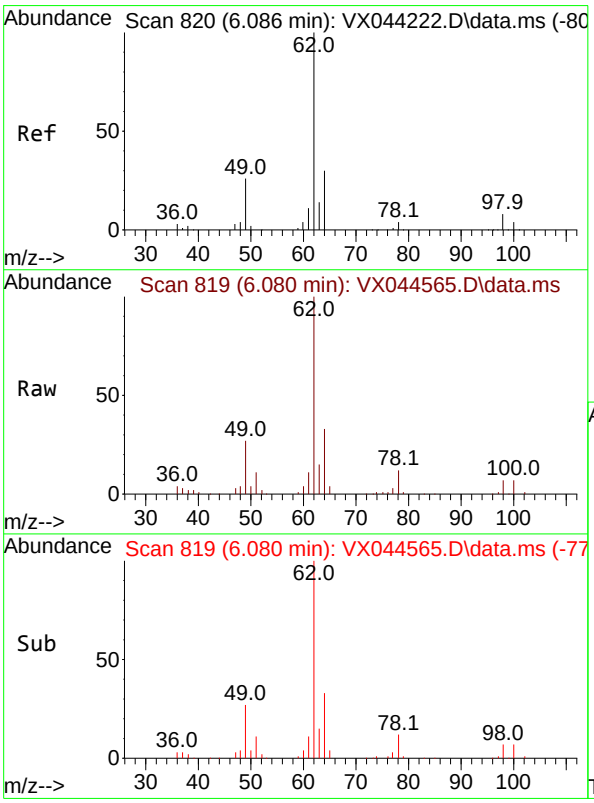
#41
Methacrylonitrile
Concen: 51.637 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 41 Resp: 61771

Ion	Ratio	Lower	Upper
41	100		
39	56.4	44.2	66.4
67	75.6	57.2	85.8
52	32.2	24.6	37.0

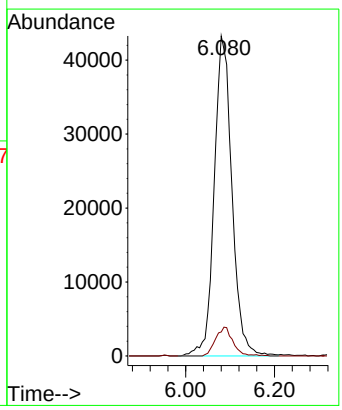


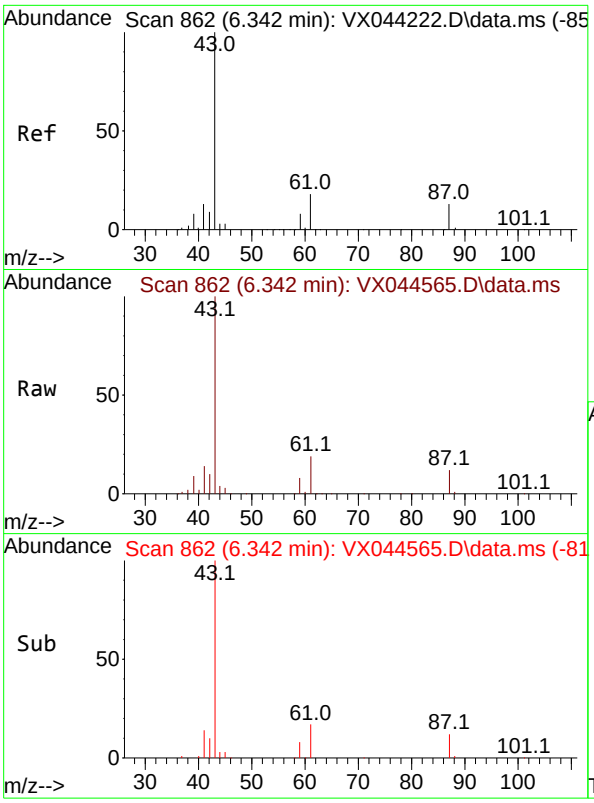


#42
1,2-Dichloroethane
Concen: 52.476 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 62 Resp: 119613

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	15.8



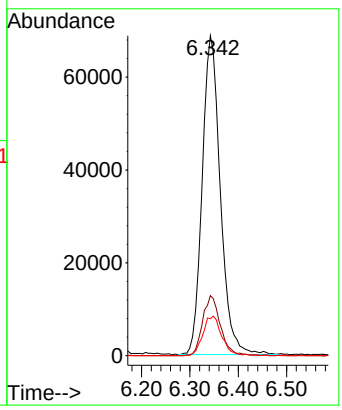


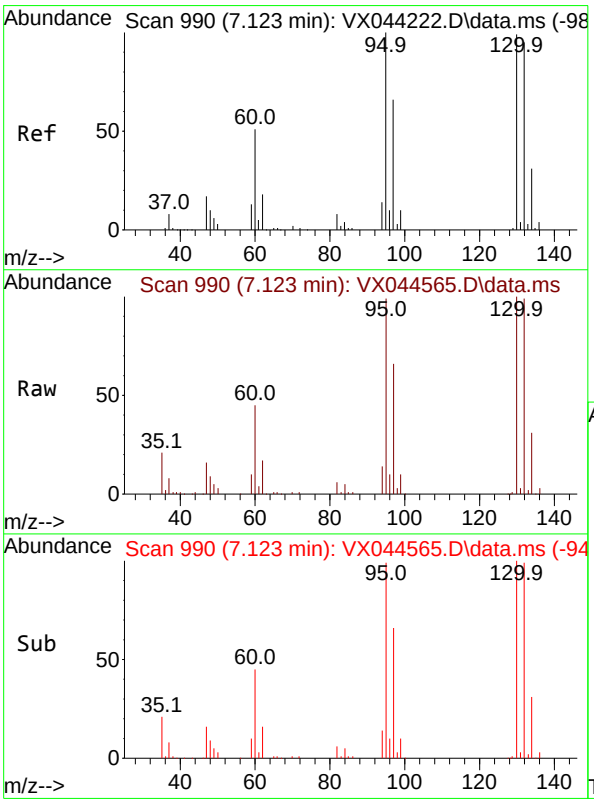
#43
Isopropyl Acetate
Concen: 50.823 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 43 Resp: 178954

Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.2	21.2
87	12.7	10.2	15.2

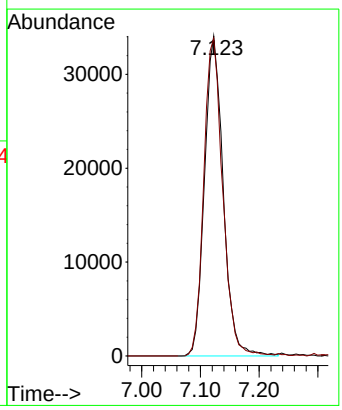


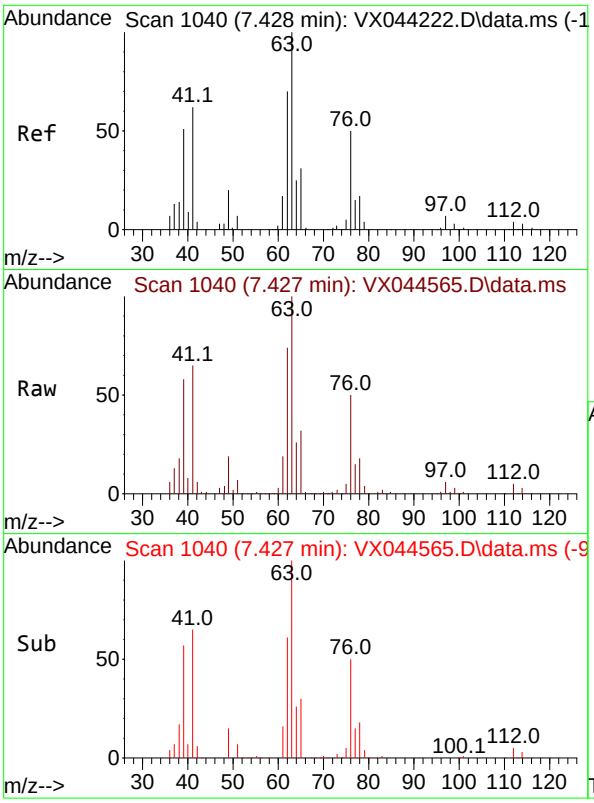


#44
Trichloroethene
Concen: 54.641 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:130 Resp: 75397

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	201.4



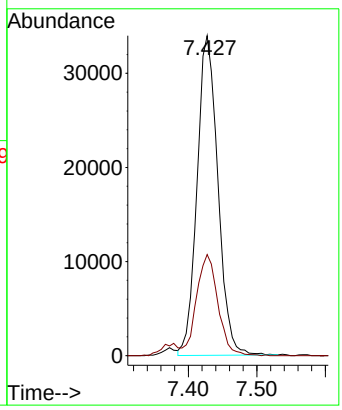


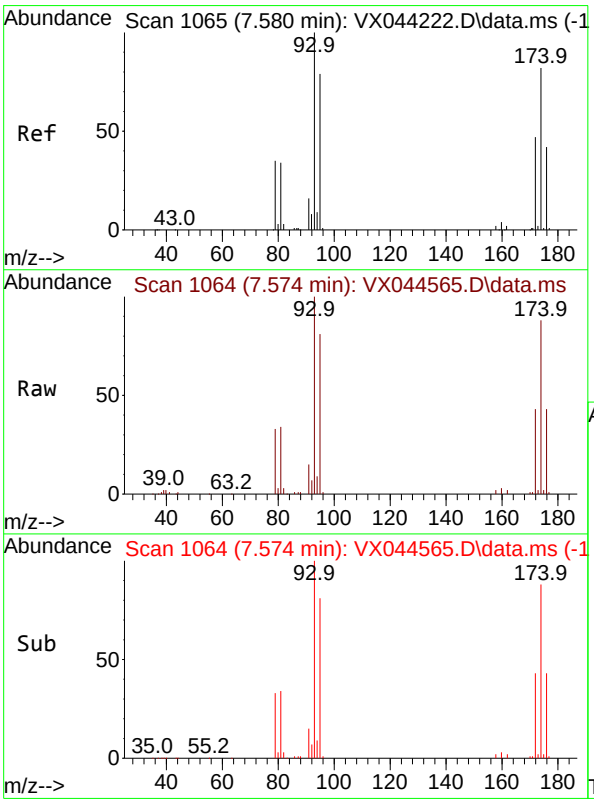
#45
1,2-Dichloropropane
Concen: 50.882 ug/l
RT: 7.427 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 63 Resp: 71931

Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.6	37.0

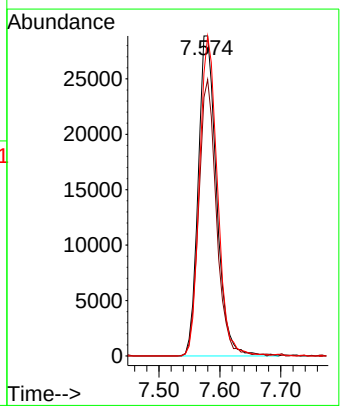


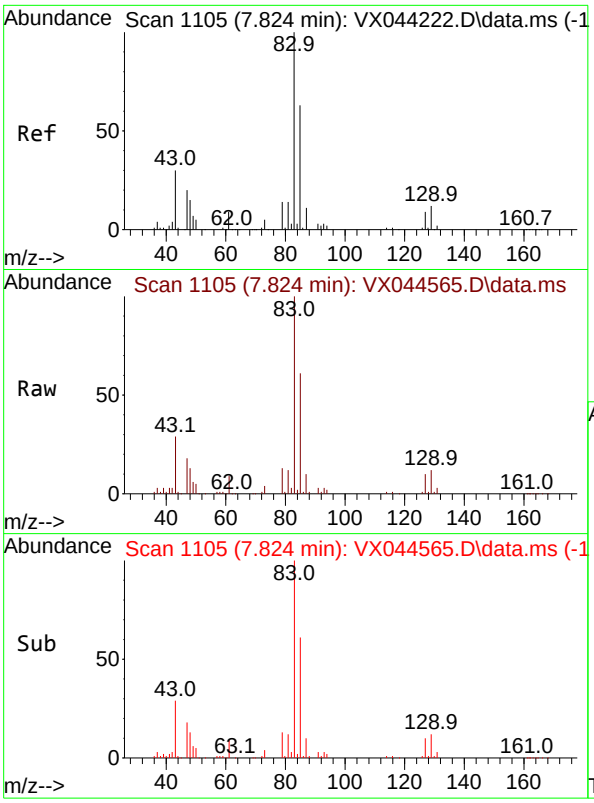


#46
Dibromomethane
Concen: 55.051 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 93 Resp: 60376

Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.4	98.2
174	97.7	67.9	101.9



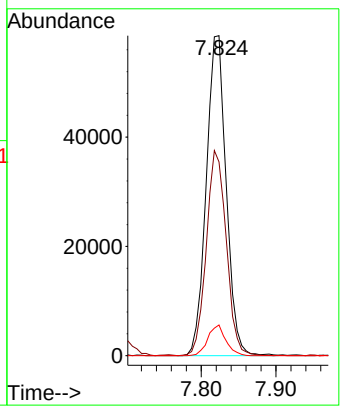


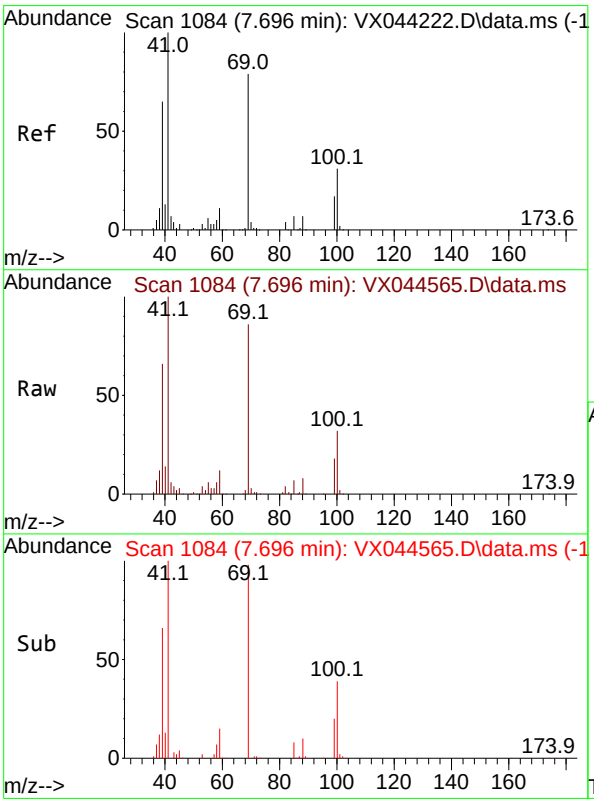
#47
Bromodichloromethane
Concen: 57.278 ug/l
RT: 7.824 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 83 Resp: 108492

Ion	Ratio	Lower	Upper
83	100		
85	60.5	50.6	75.8
127	9.6	7.3	10.9

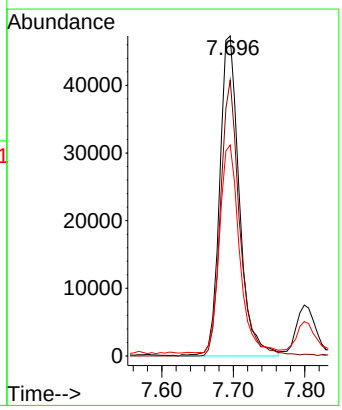


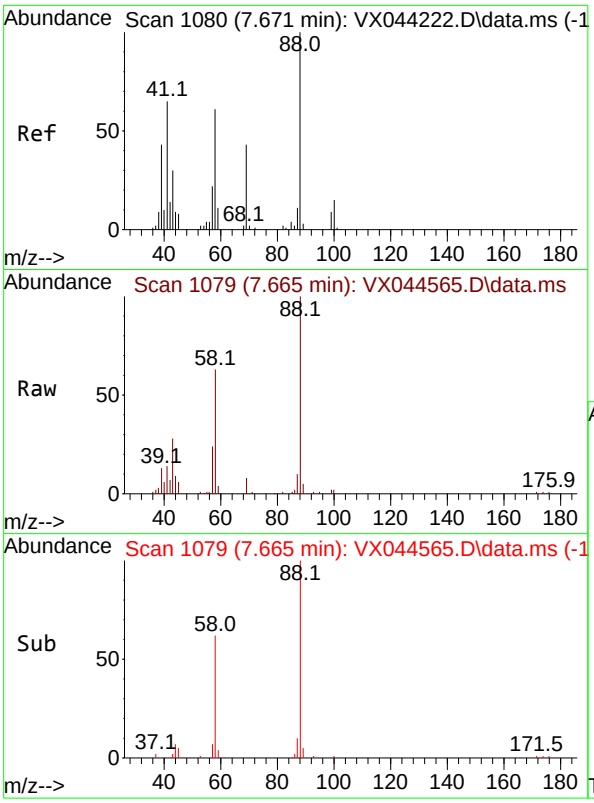


#48
Methyl methacrylate
Concen: 52.566 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 41 Resp: 89847

Ion	Ratio	Lower	Upper
41	100		
69	83.8	62.4	93.6
39	65.8	53.3	79.9



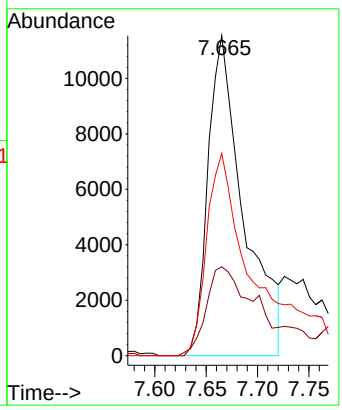


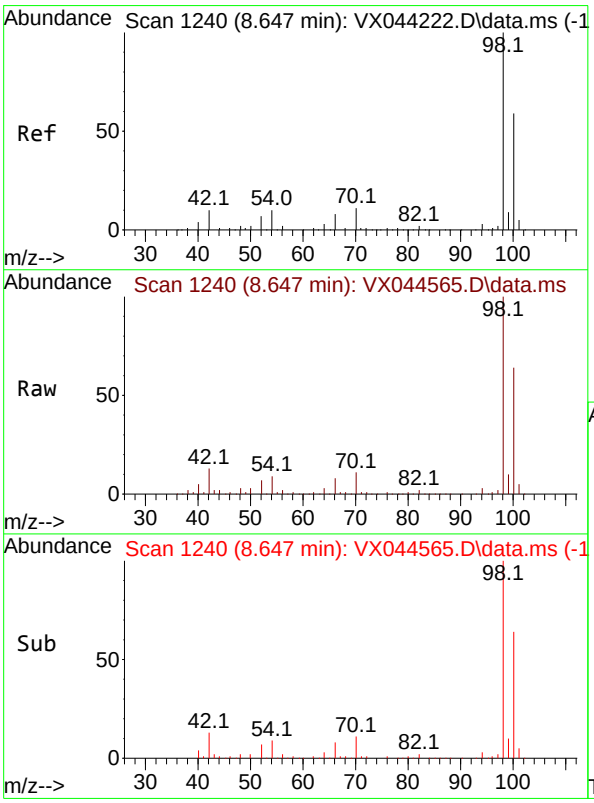
#49
1,4-Dioxane
Concen: 982.512 ug/l
RT: 7.665 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 88 Resp: 27843

Ion	Ratio	Lower	Upper
88	100		
43	37.1	27.1	40.7
58	86.7	41.0	61.4#

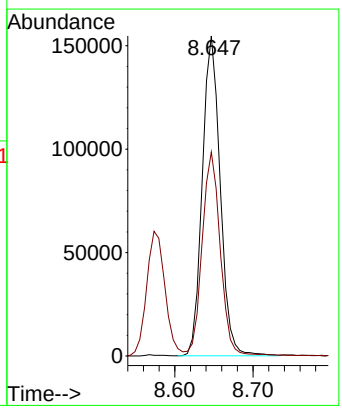


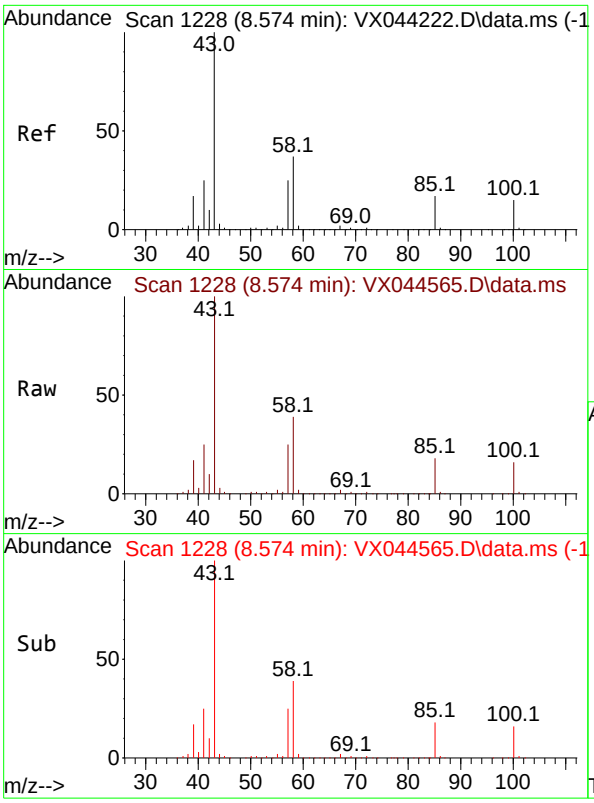


#50
Toluene-d8
Concen: 51.610 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 98 Resp: 245485

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.5	77.3



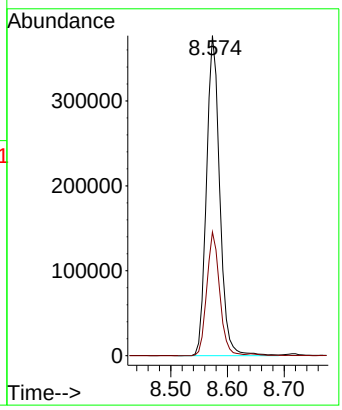


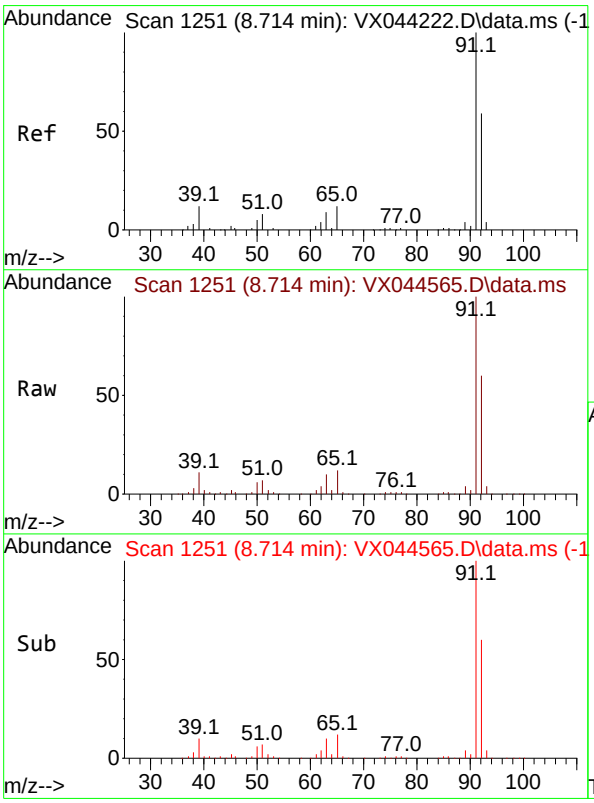
#51
4-Methyl-2-Pentanone
Concen: 269.681 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 43 Resp: 610558

Ion	Ratio	Lower	Upper
43	100		
58	37.5	29.4	44.0

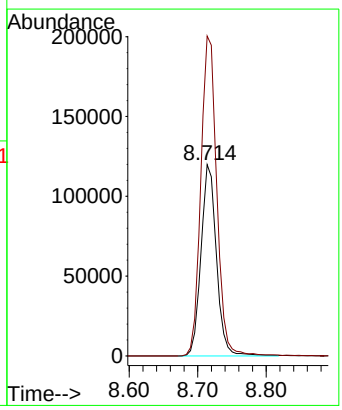


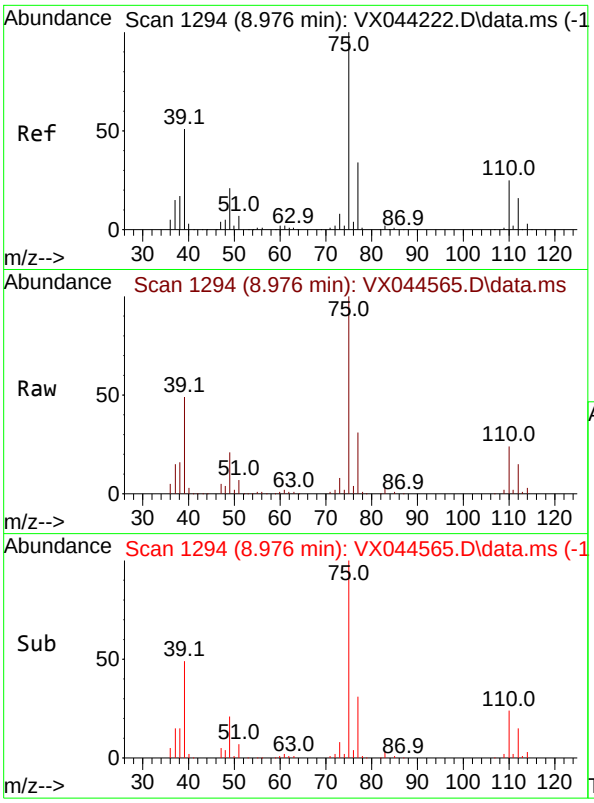


#52
Toluene
Concen: 54.185 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 92 Resp: 188284

Ion	Ratio	Lower	Upper
92	100		
91	173.3	137.0	205.6



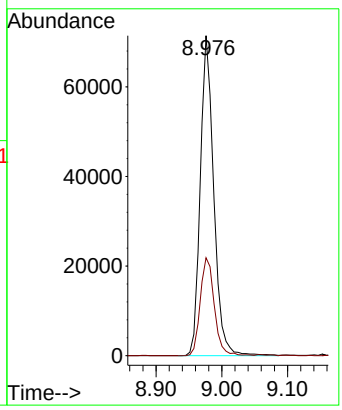


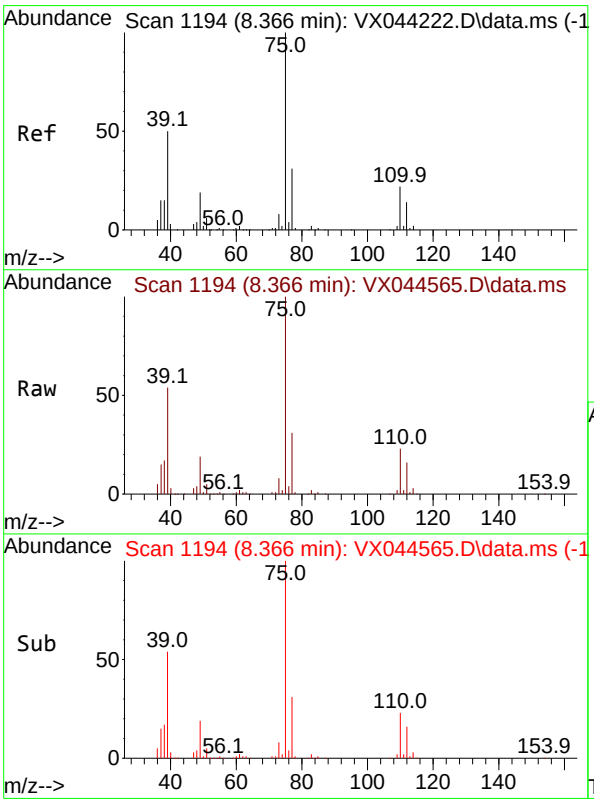
#53
t-1,3-Dichloropropene
Concen: 49.951 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 75 Resp: 101551

Ion	Ratio	Lower	Upper
75	100		
77	30.6	27.2	40.8

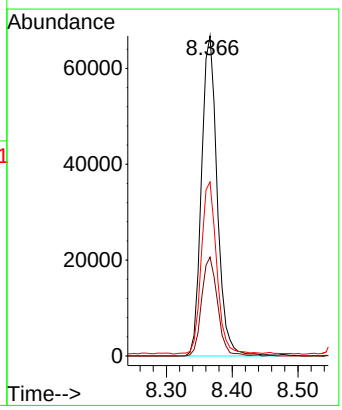


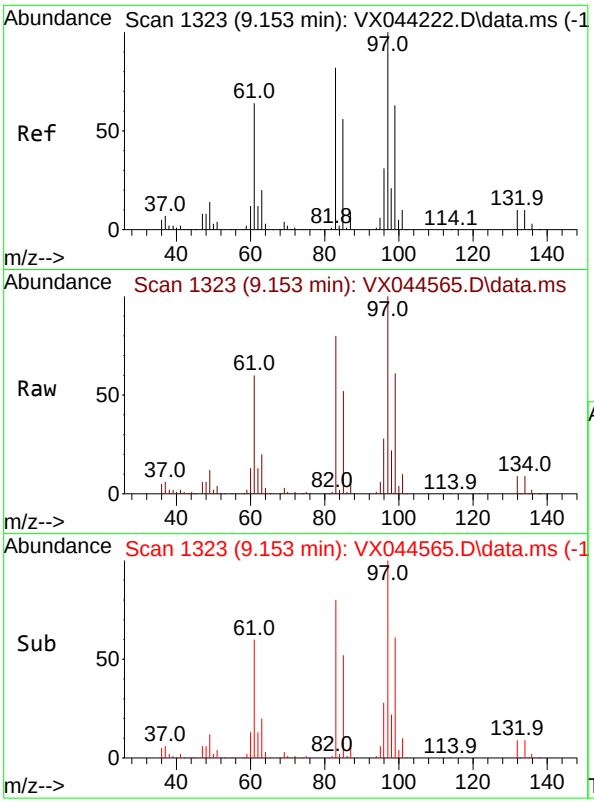


#54
cis-1,3-Dichloropropene
Concen: 53.947 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 75 Resp: 111258

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	53.6	40.3	60.5



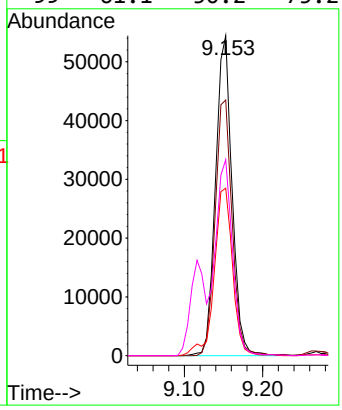


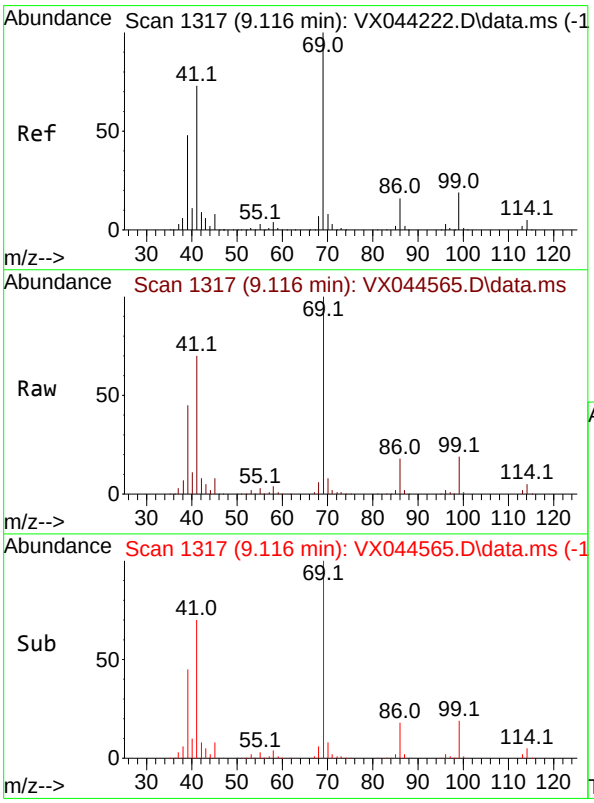
#55
1,1,2-Trichloroethane
Concen: 57.797 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 97 Resp: 79785

Ion	Ratio	Lower	Upper
97	100		
83	79.9	65.3	97.9
85	52.3	44.6	67.0
99	61.1	50.2	75.2

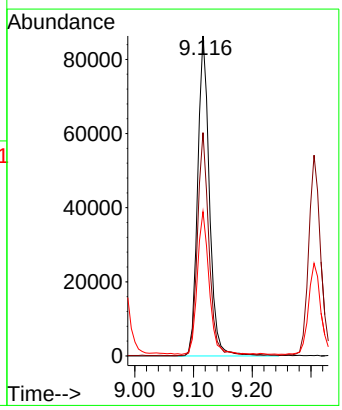


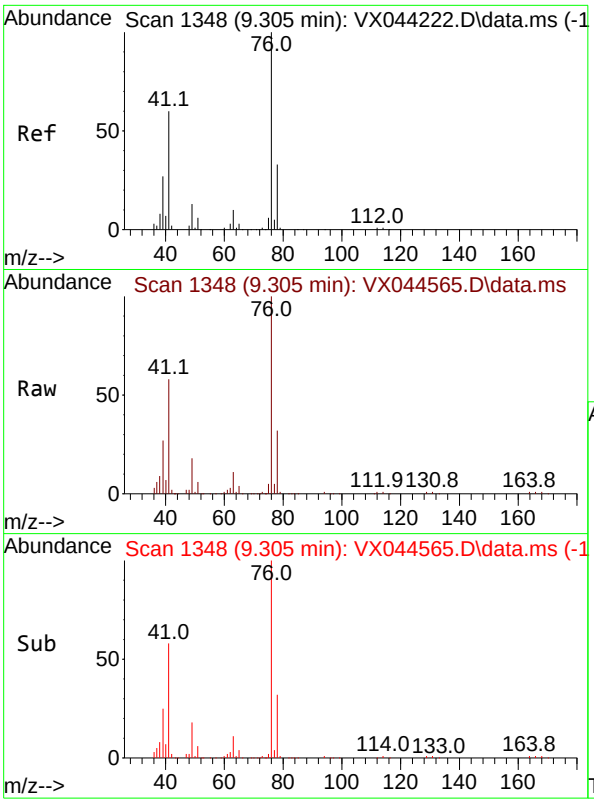


#56
Ethyl methacrylate
Concen: 55.197 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 69 Resp: 120288

Ion	Ratio	Lower	Upper
69	100		
41	68.2	56.6	85.0
39	44.9	37.4	56.0



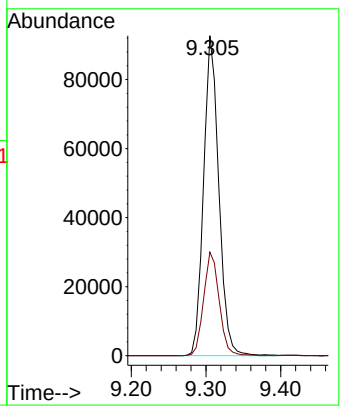


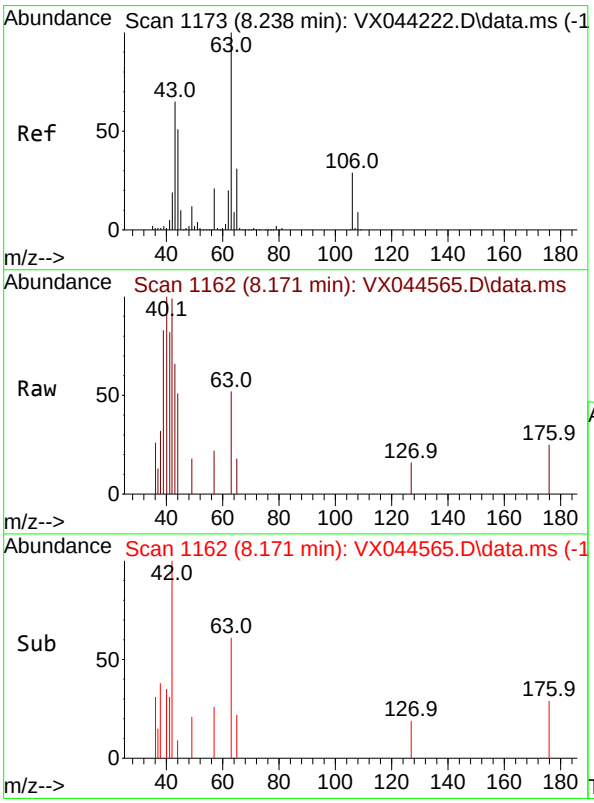
#57
1,3-Dichloropropane
Concen: 54.489 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 76 Resp: 130926

Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.5	39.7

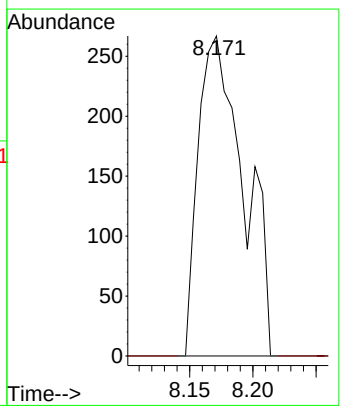


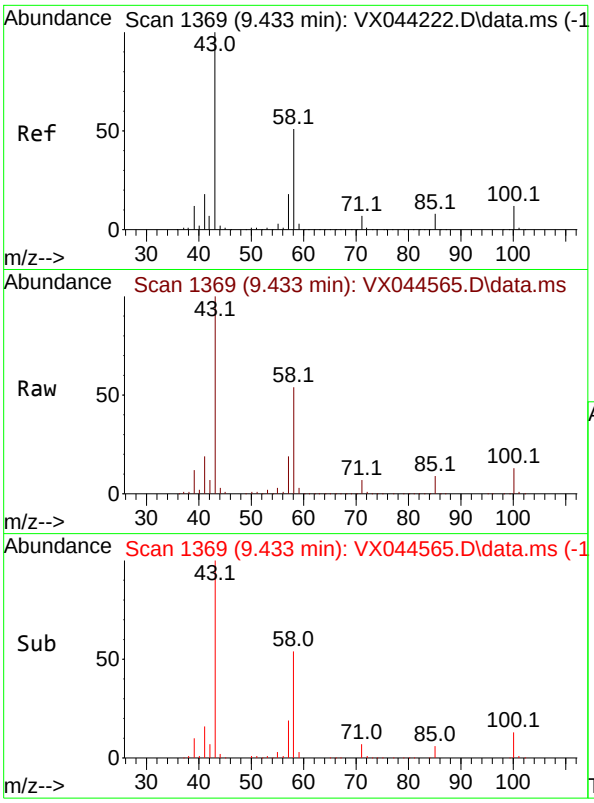


#58
2-Chloroethyl Vinyl ether
Concen: 0.606 ug/l
RT: 8.171 min Scan# 1162
Delta R.T. -0.067 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 63 Resp: 666

Ion	Ratio	Lower	Upper
63	100		
106	0.0	22.8	34.2#



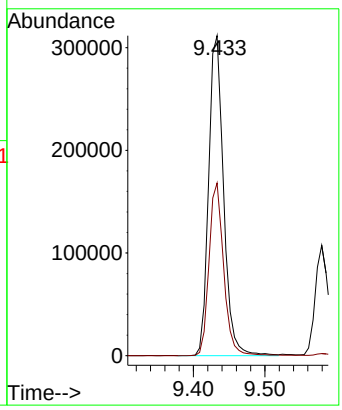


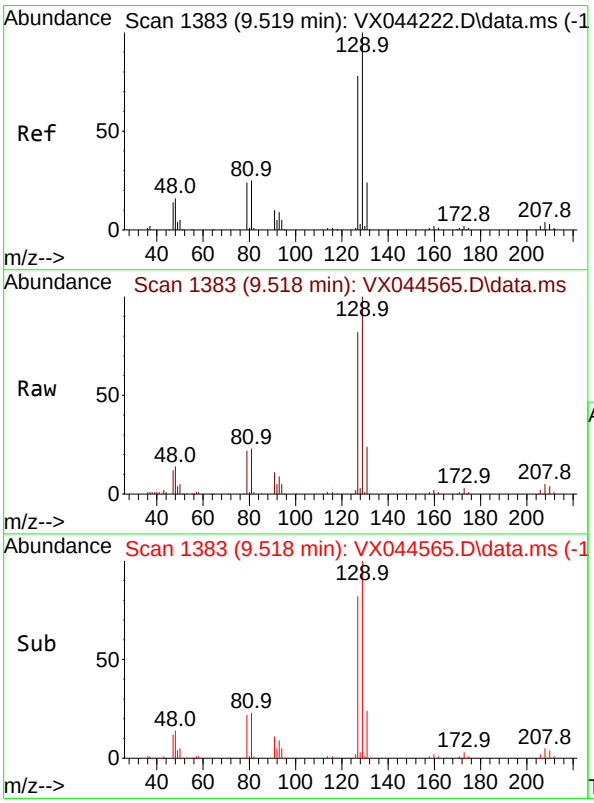
#59
2-Hexanone
Concen: 275.855 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 43 Resp: 452053

Ion	Ratio	Lower	Upper
43	100		
58	53.1	25.7	77.0

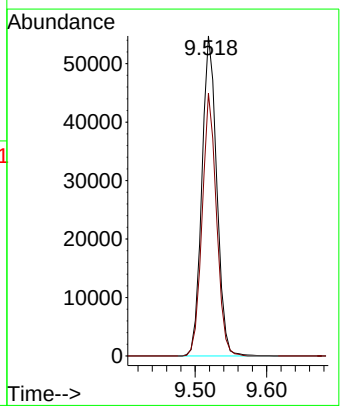


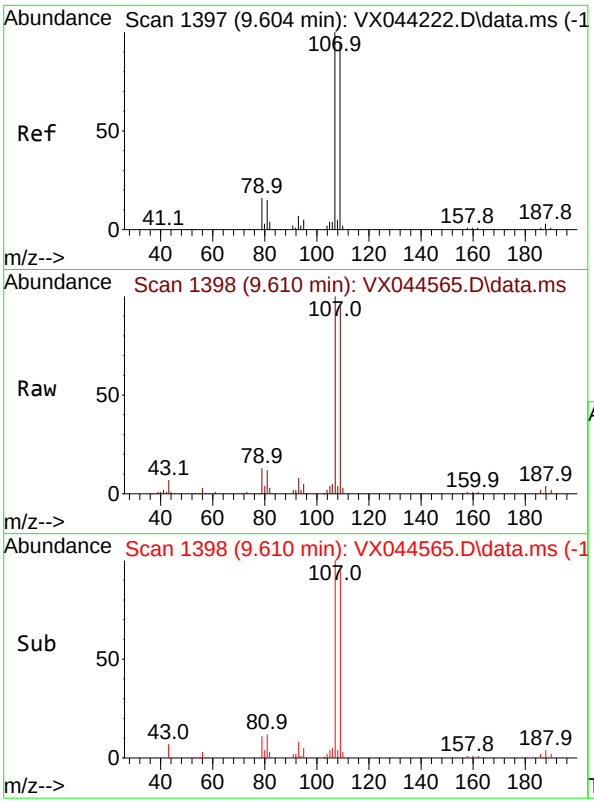


#60
Dibromochloromethane
Concen: 53.799 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:129 Resp: 79058

Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.5	115.3



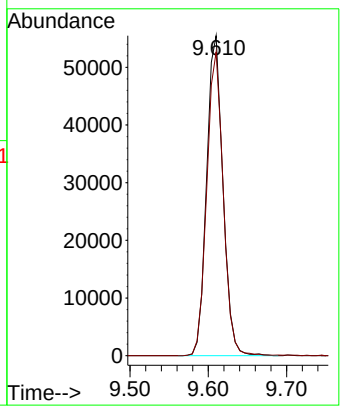


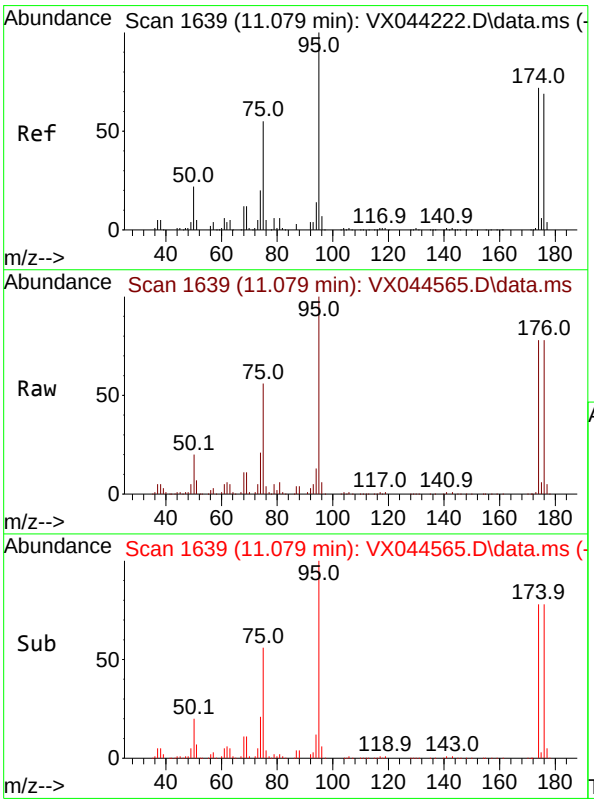
#61
1,2-Dibromoethane
Concen: 56.977 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion:107 Resp: 80061

Ion	Ratio	Lower	Upper
107	100		
109	96.0	77.0	115.4

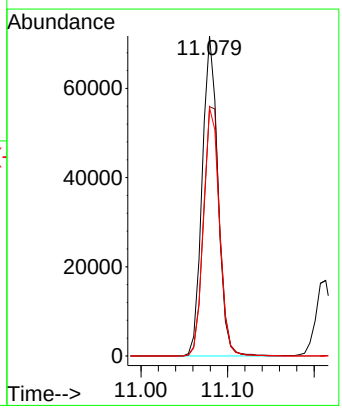


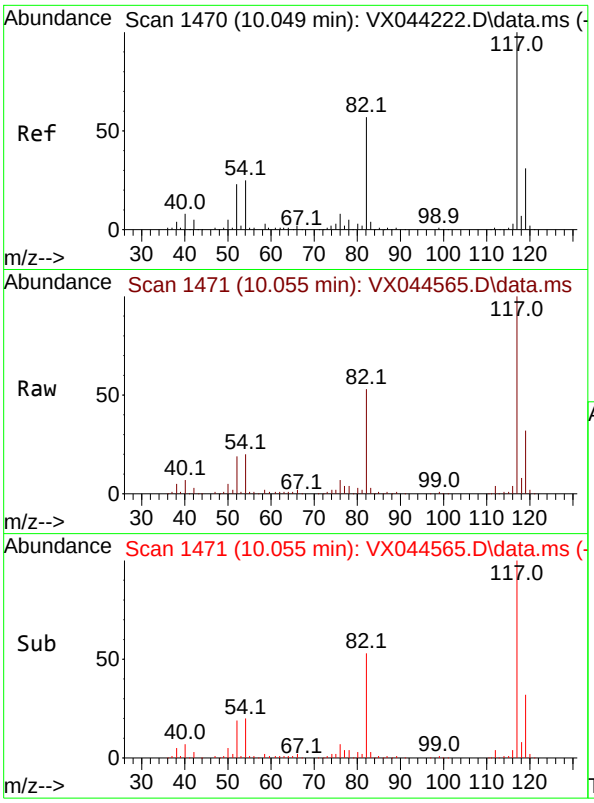


#62
4-Bromofluorobenzene
Concen: 54.348 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 95 Resp: 90330

Ion	Ratio	Lower	Upper
95	100		
174	81.0	0.0	145.8
176	78.8	0.0	137.8



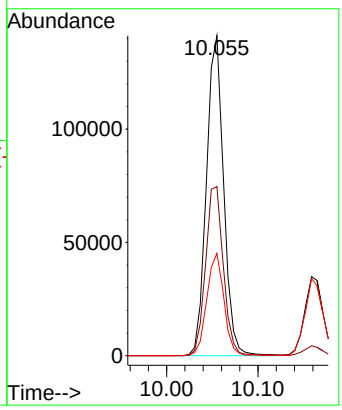


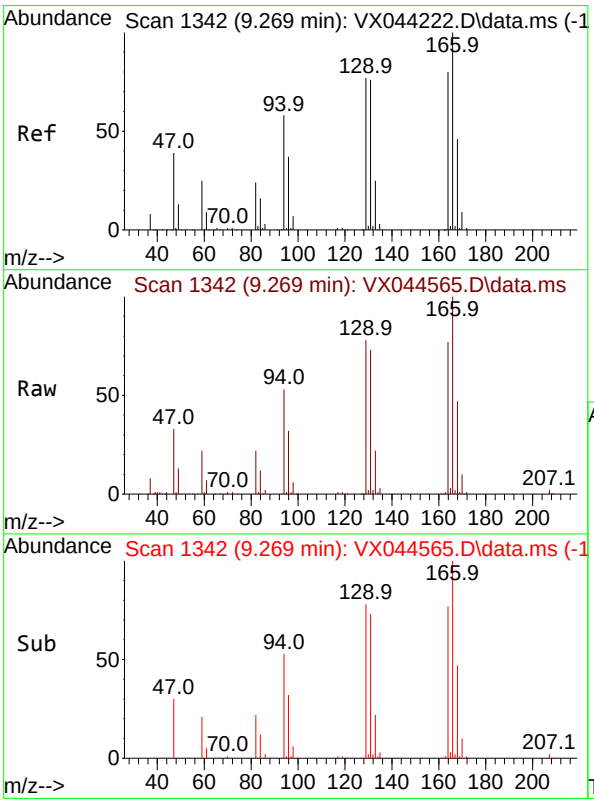
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion:117 Resp: 185270

Ion	Ratio	Lower	Upper
117	100		
82	52.8	45.8	68.8
119	31.9	25.0	37.4

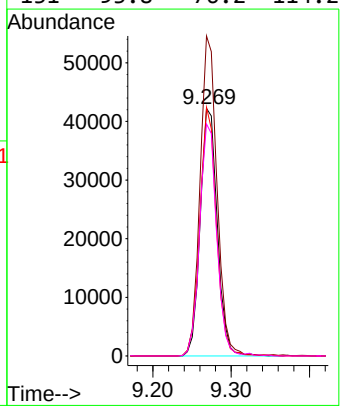


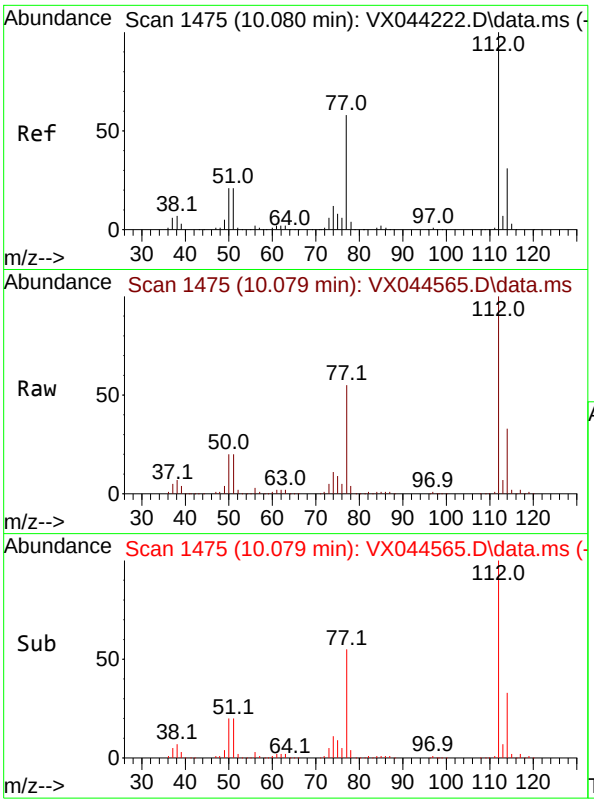


#64
Tetrachloroethene
Concen: 51.837 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:164 Resp: 63742

Ion	Ratio	Lower	Upper
164	100		
166	129.3	100.4	150.6
129	100.5	77.2	115.8
131	93.8	76.2	114.2



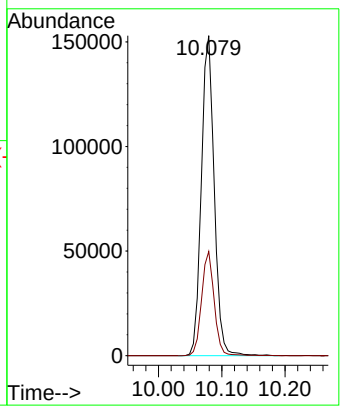


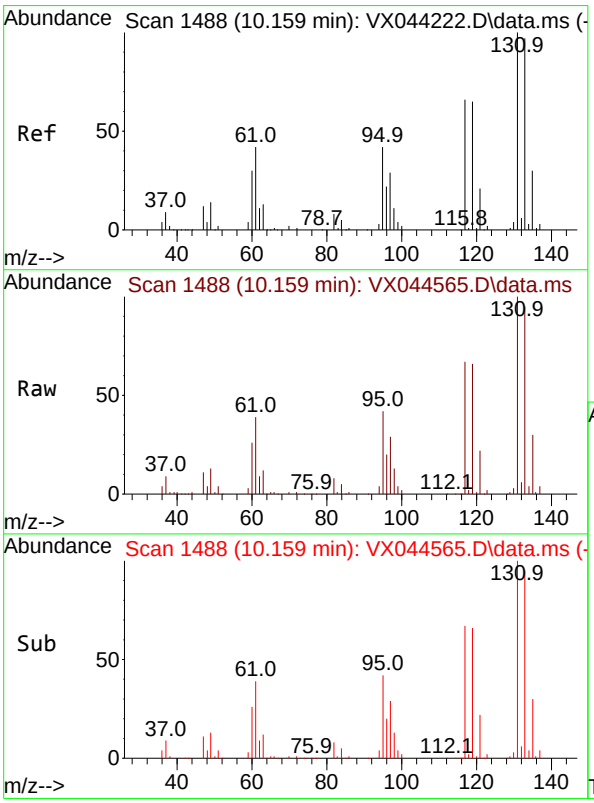
#65
Chlorobenzene
Concen: 54.606 ug/l
RT: 10.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion:112 Resp: 216781

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.0	37.6

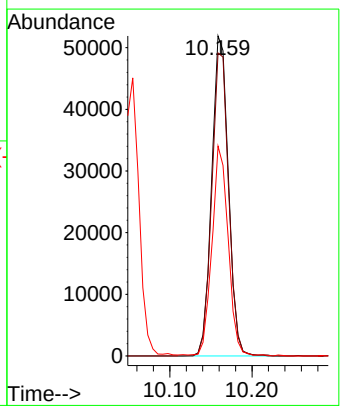


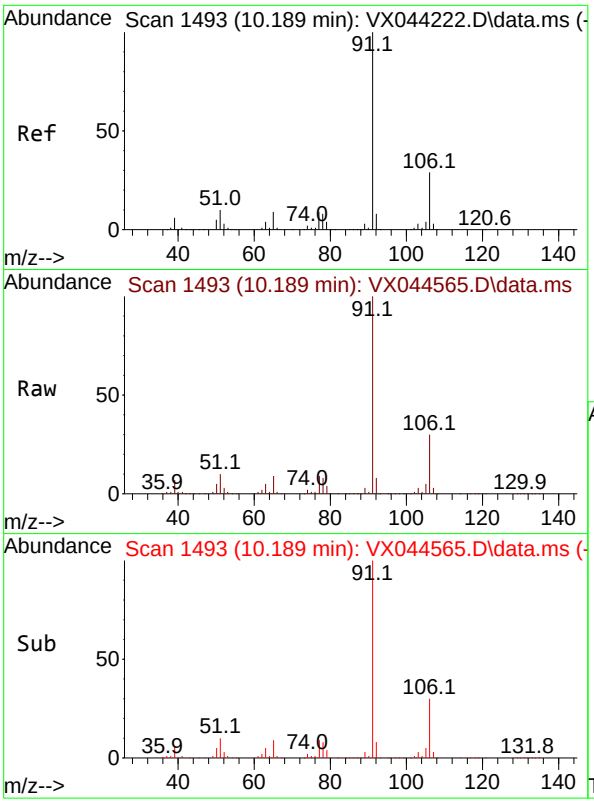


#66
1,1,1,2-Tetrachloroethane
Concen: 57.267 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:131 Resp: 73066

Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	141.8
119	64.1	31.6	95.0



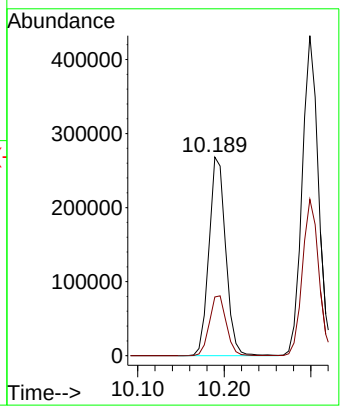


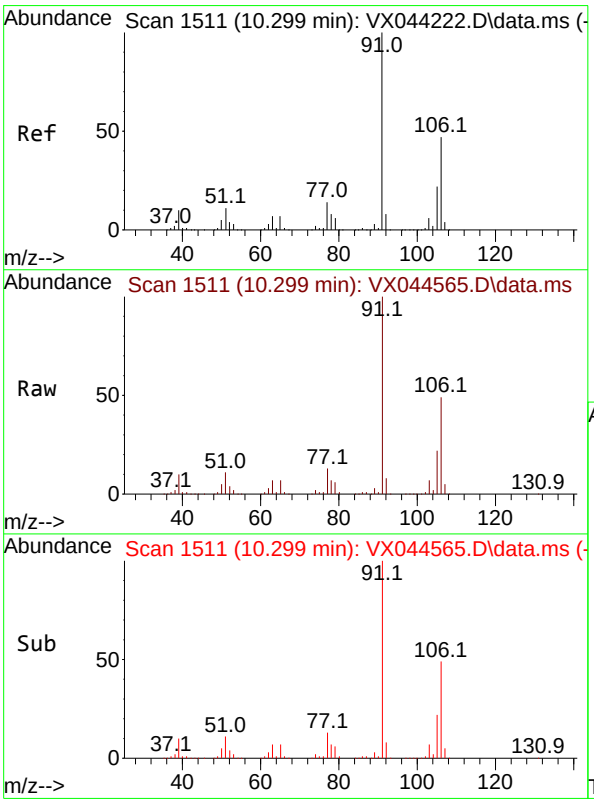
#67
Ethyl Benzene
Concen: 52.369 ug/l
RT: 10.189 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 91 Resp: 359222

Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.5	35.3

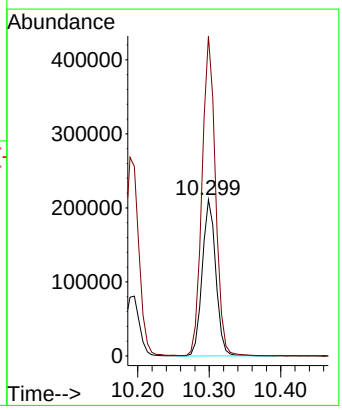


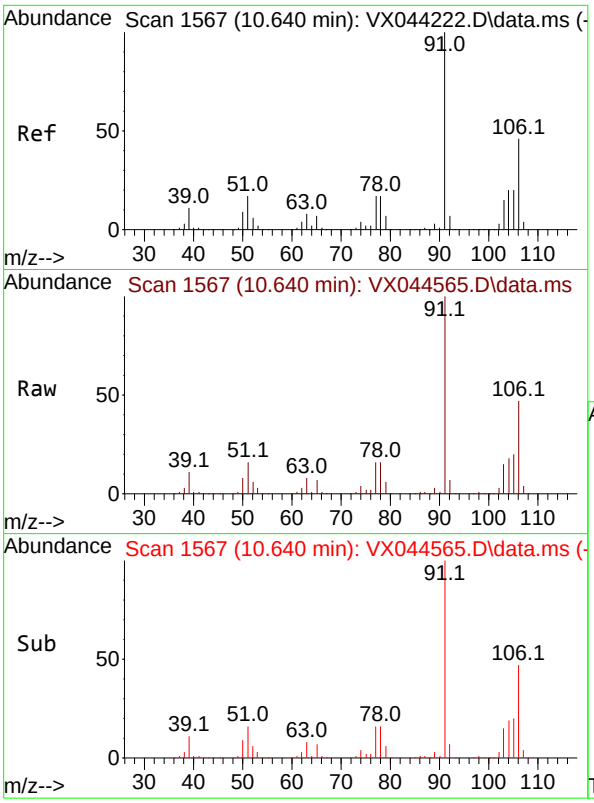


#68
m/p-Xylenes
Concen: 110.428 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:106 Resp: 277945

Ion	Ratio	Lower	Upper
106	100		
91	203.4	170.2	255.2



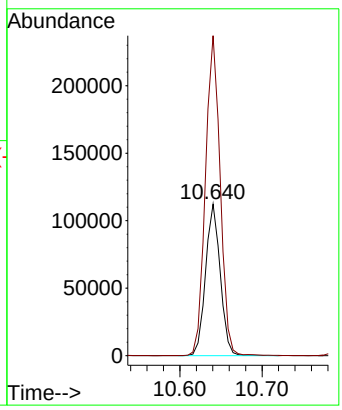


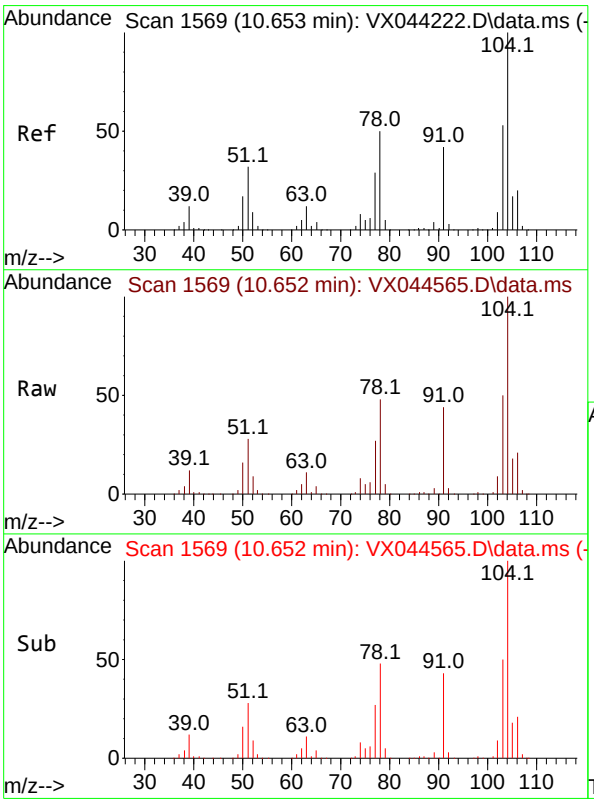
#69
o-Xylene
Concen: 54.573 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion:106 Resp: 138979

Ion	Ratio	Lower	Upper
106	100		
91	213.0	112.3	337.0

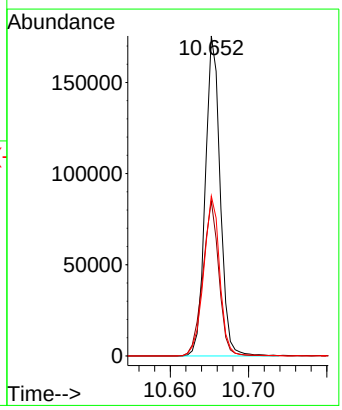


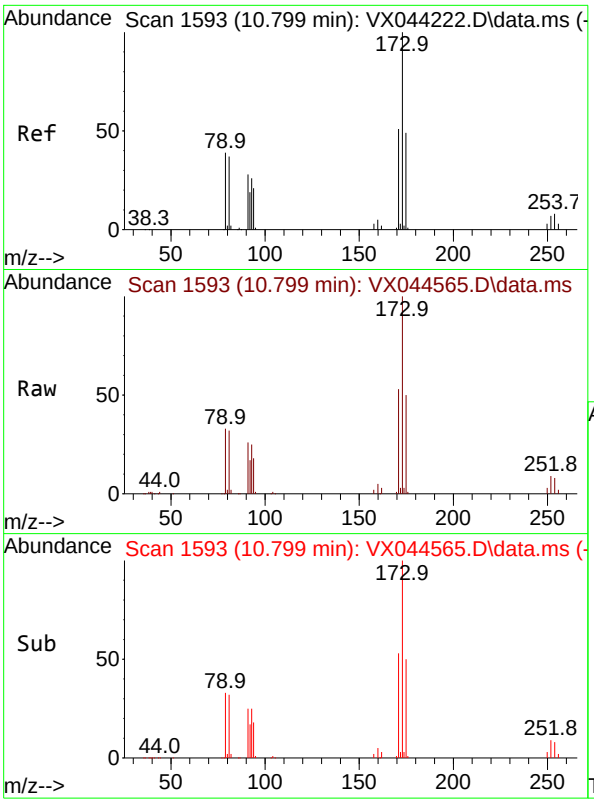


#70
Styrene
Concen: 56.724 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:104 Resp: 231579

Ion	Ratio	Lower	Upper
104	100		
78	52.1	44.6	67.0
103	54.0	45.4	68.0



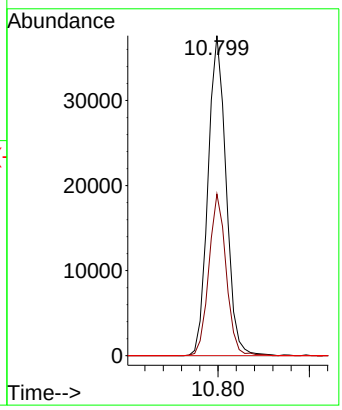


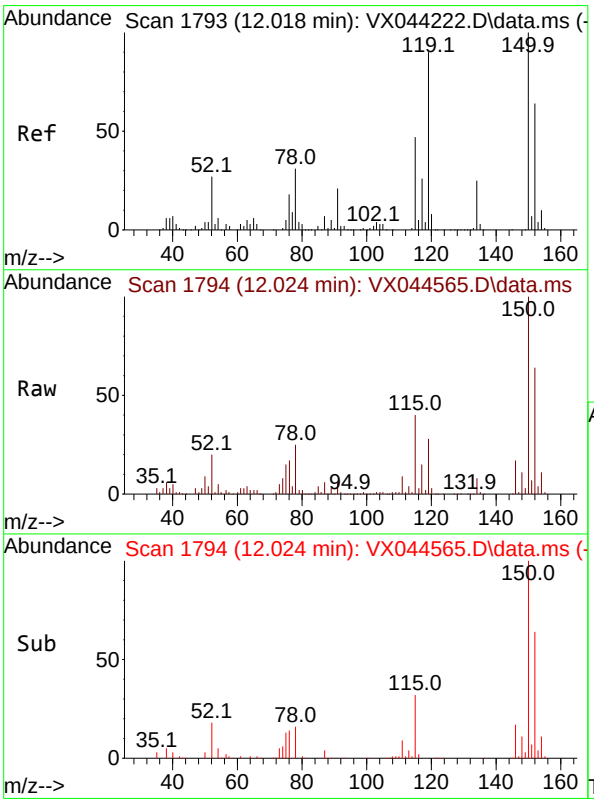
#71
Bromoform
Concen: 56.744 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion:173 Resp: 51474

Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.8	71.4
254	0.0	0.0	0.0

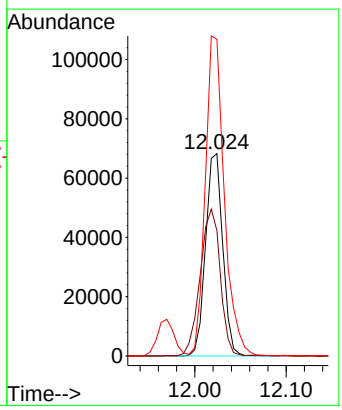


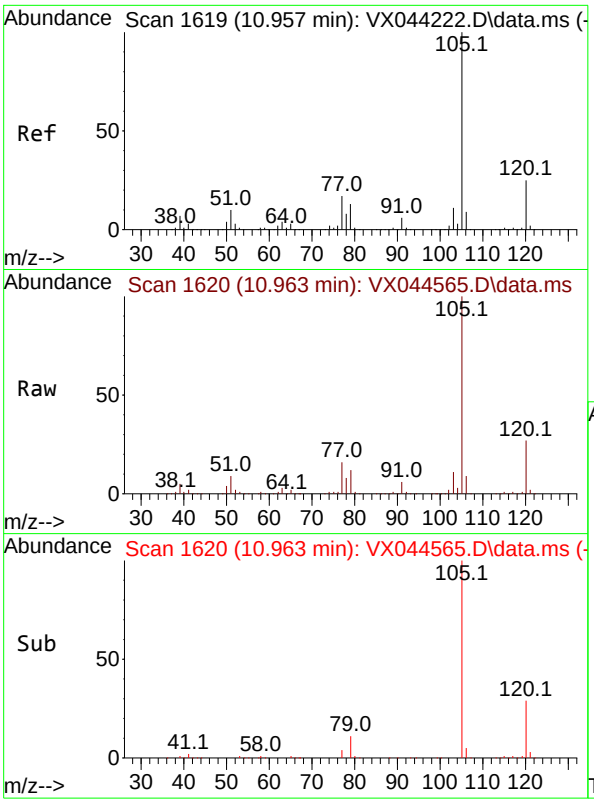


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:152 Resp: 88862

Ion	Ratio	Lower	Upper
152	100		
115	85.2	44.5	133.3
150	174.5	0.0	353.8



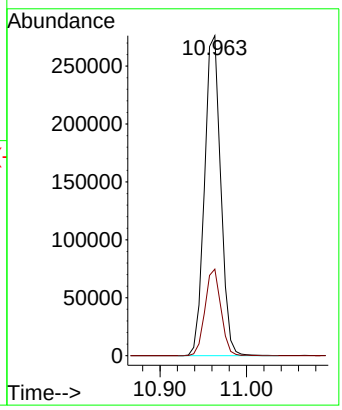


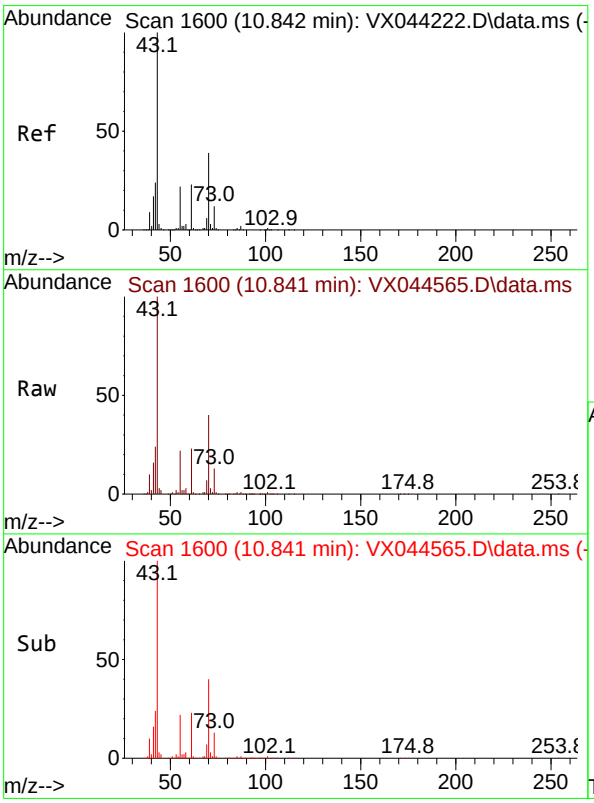
#73
Isopropylbenzene
Concen: 52.798 ug/l
RT: 10.963 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion:105 Resp: 359171

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.3

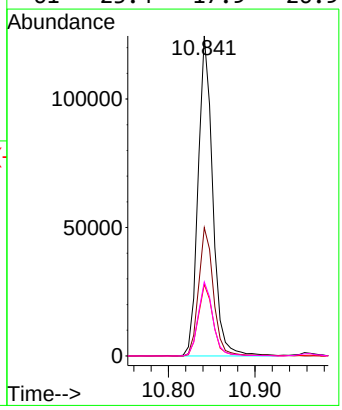


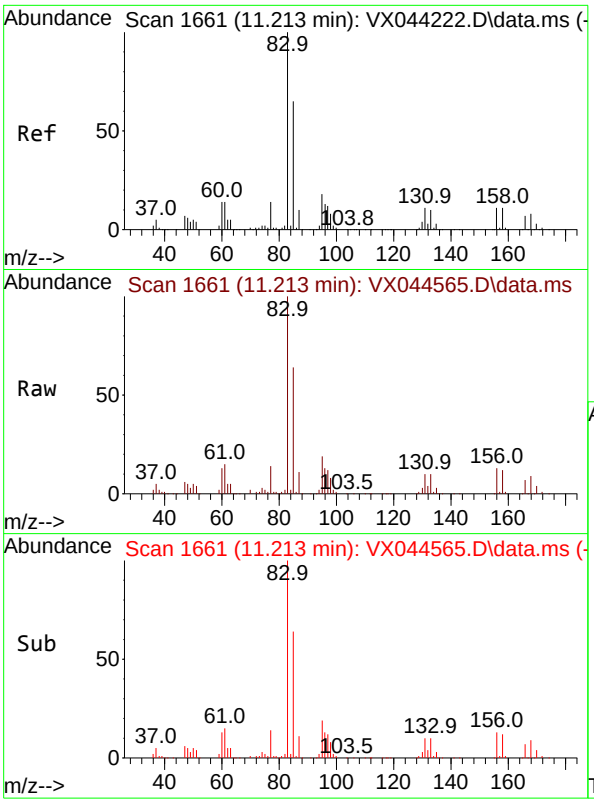


#74
N-amyl acetate
Concen: 46.469 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 43 Resp: 146096

Ion	Ratio	Lower	Upper
43	100		
70	40.5	31.9	47.9
55	22.8	17.9	26.9
61	23.4	17.9	26.9



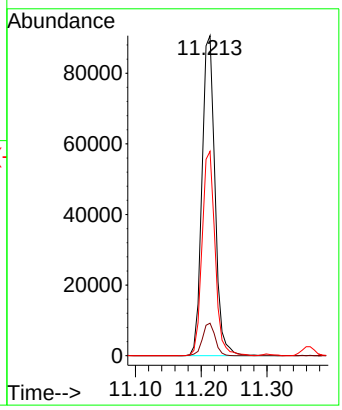


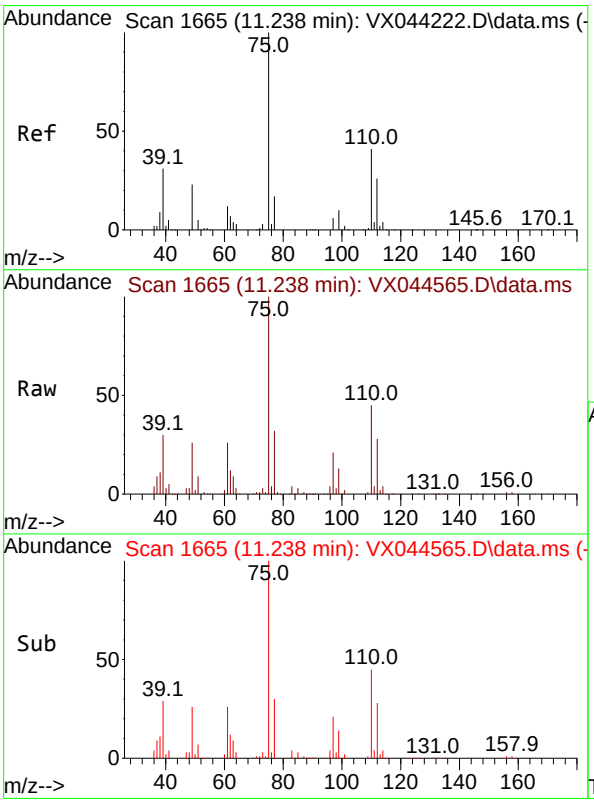
#75
1,1,2,2-Tetrachloroethane
Concen: 52.658 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 83 Resp: 124420

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.4
85	63.9	32.5	97.4

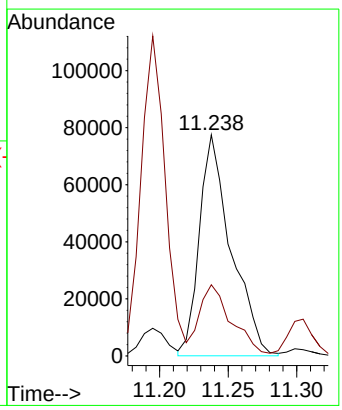


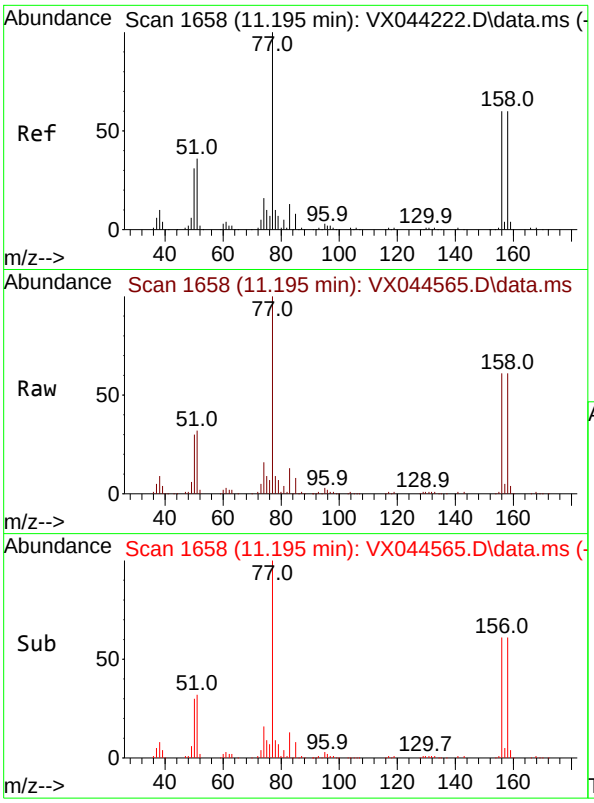


#76
1,2,3-Trichloropropane
Concen: 63.047 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 75 Resp: 125089

Ion	Ratio	Lower	Upper
75	100		
77	32.8	20.9	62.7



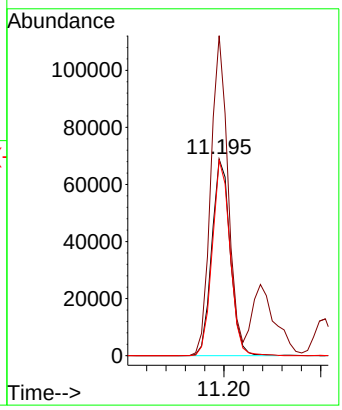


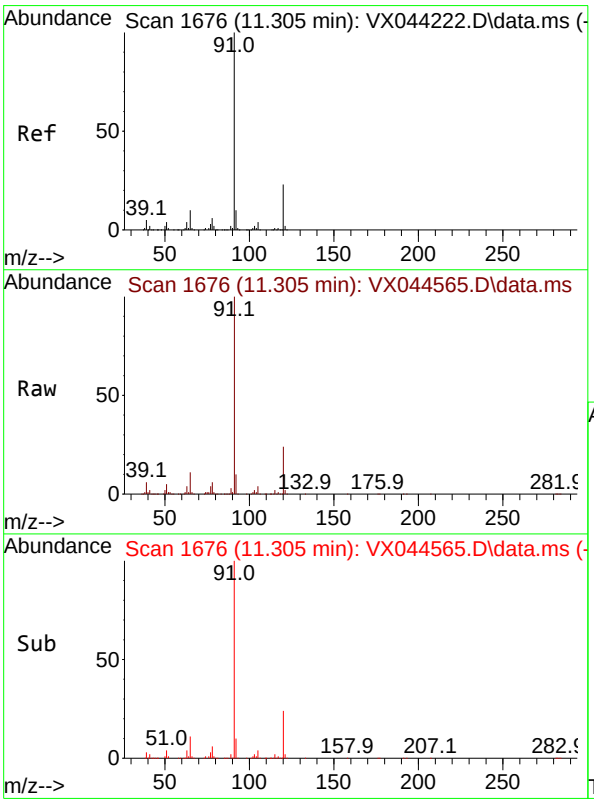
#77
Bromobenzene
Concen: 55.172 ug/l
RT: 11.195 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion:156 Resp: 91014

Ion	Ratio	Lower	Upper
156	100		
77	152.6	82.6	247.8
158	96.0	48.8	146.4

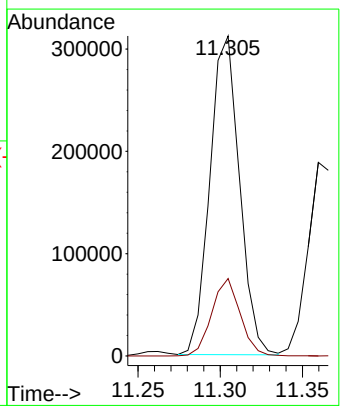


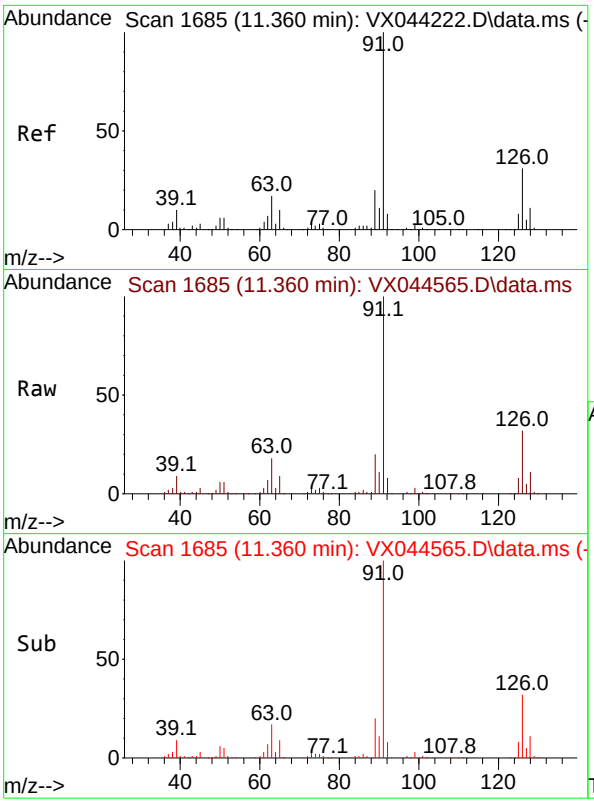


#78
n-propylbenzene
Concen: 52.041 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 91 Resp: 391289

Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.0	33.0



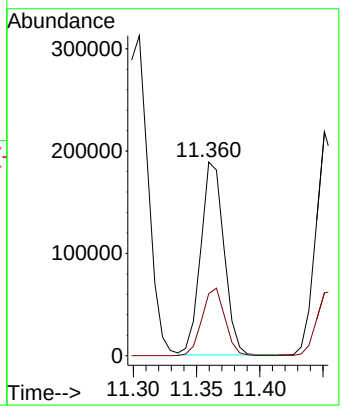


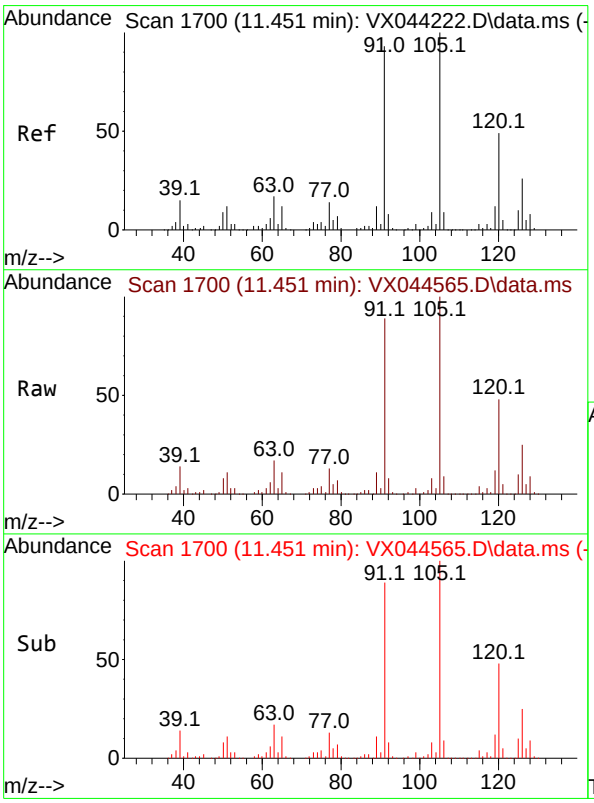
#79
2-Chlorotoluene
Concen: 49.718 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 91 Resp: 241758

Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.4	49.1

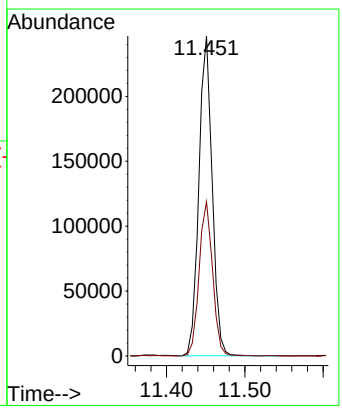


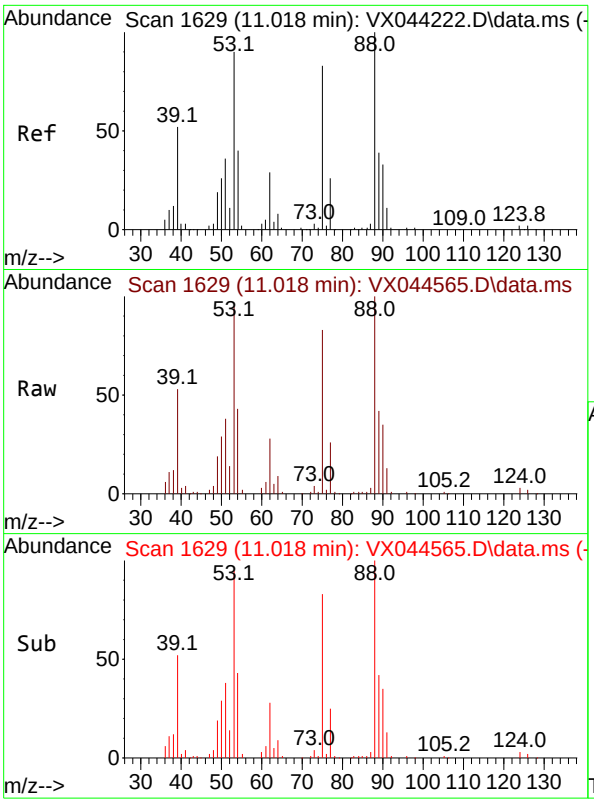


#80
1,3,5-Trimethylbenzene
Concen: 51.451 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:105 Resp: 290256

Ion	Ratio	Lower	Upper
105	100		
120	48.8	23.8	71.4



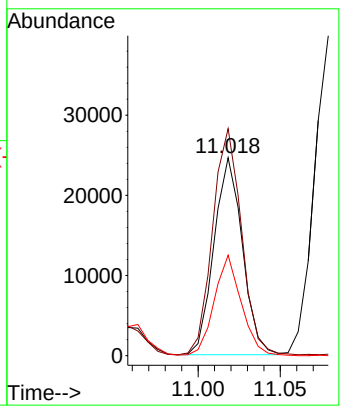


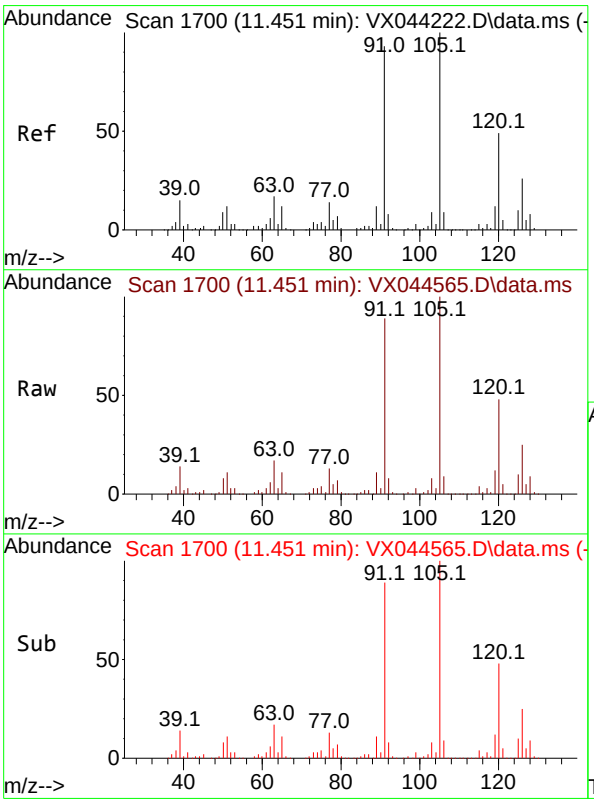
#81
trans-1,4-Dichloro-2-butene
Concen: 43.578 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 75 Resp: 29615

Ion	Ratio	Lower	Upper
75	100		
53	116.8	93.6	140.4
89	48.6	37.3	55.9

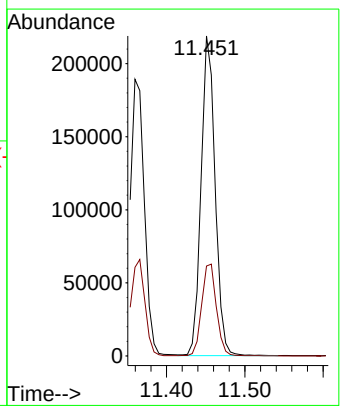


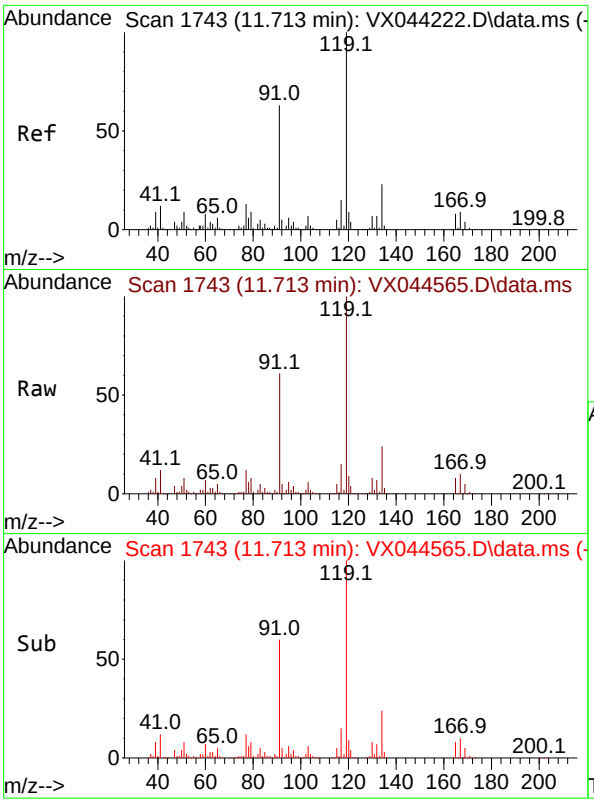


#82
4-Chlorotoluene
Concen: 50.544 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 91 Resp: 272161

Ion	Ratio	Lower	Upper
91	100		
126	30.2	14.5	43.5



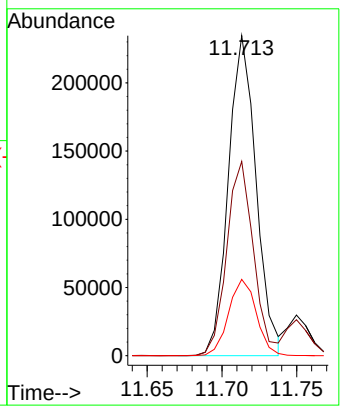


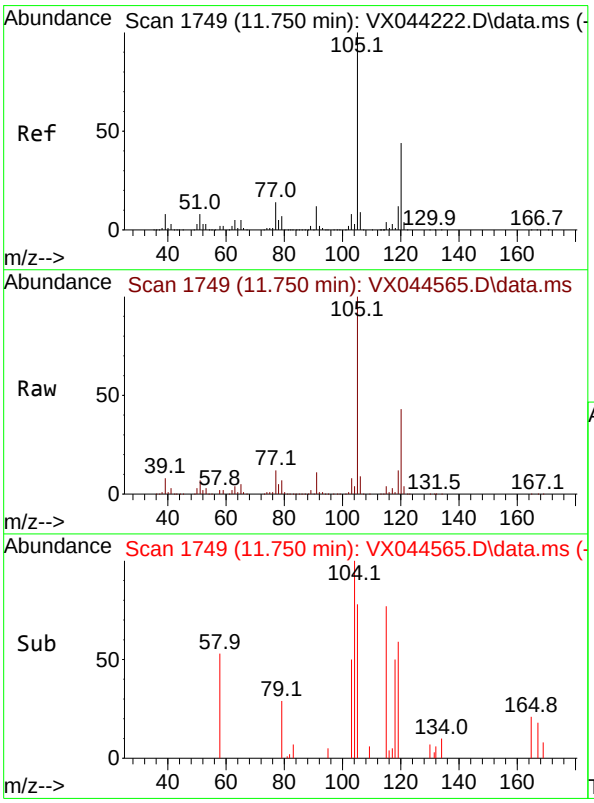
#83
tert-Butylbenzene
Concen: 54.308 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion:119 Resp: 302779

Ion	Ratio	Lower	Upper
119	100		
91	58.9	30.9	92.5
134	23.9	11.5	34.4

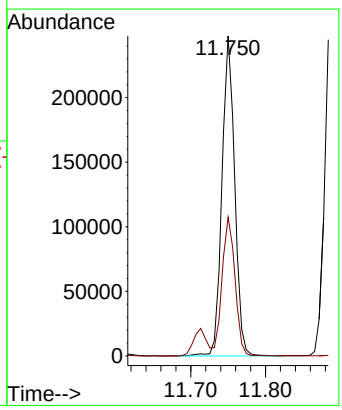


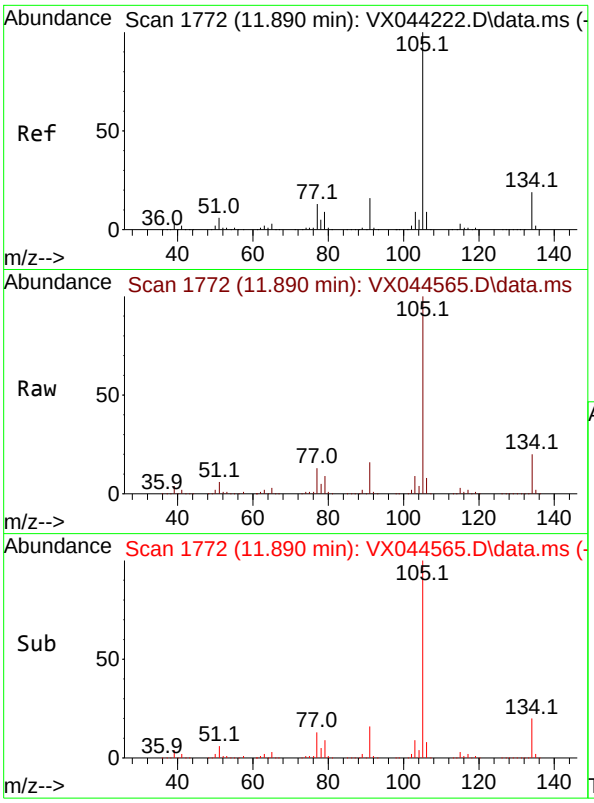


#84
1,2,4-Trimethylbenzene
Concen: 52.861 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:105 Resp: 292868

Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.7	65.1



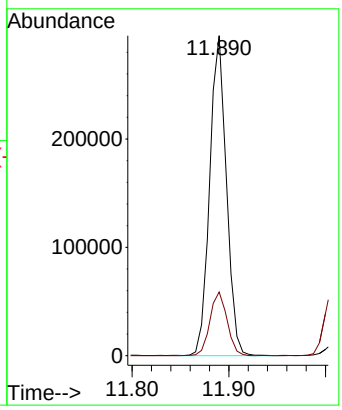


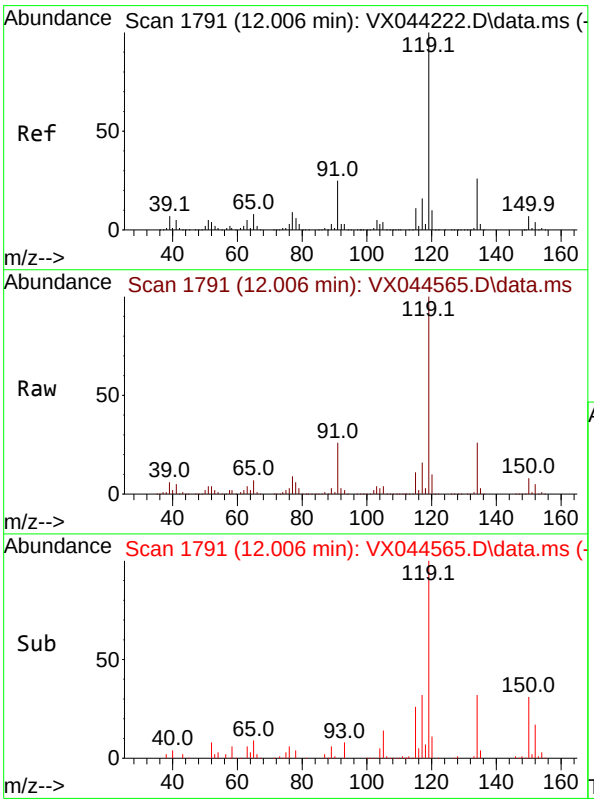
#85
sec-Butylbenzene
Concen: 52.258 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion:105 Resp: 353700

Ion	Ratio	Lower	Upper
105	100		
134	20.5	9.8	29.4

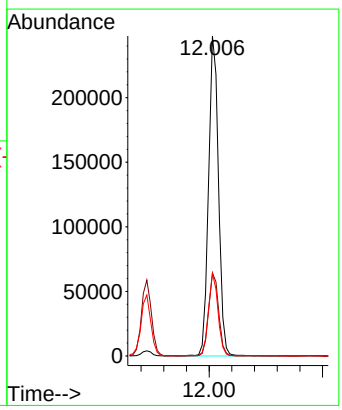


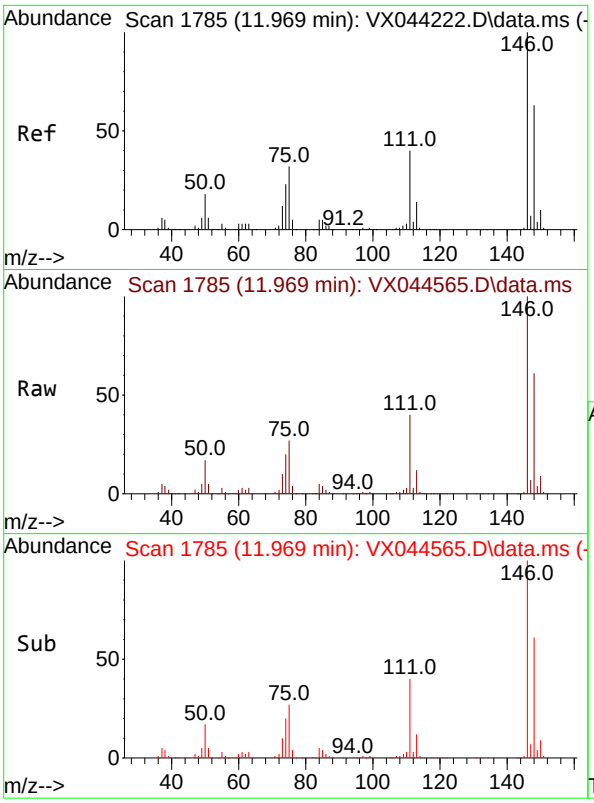


#86
p-Isopropyltoluene
Concen: 53.335 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:119 Resp: 300454

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.8	38.4
91	24.9	13.0	39.0



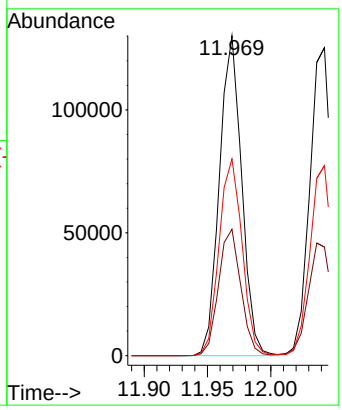


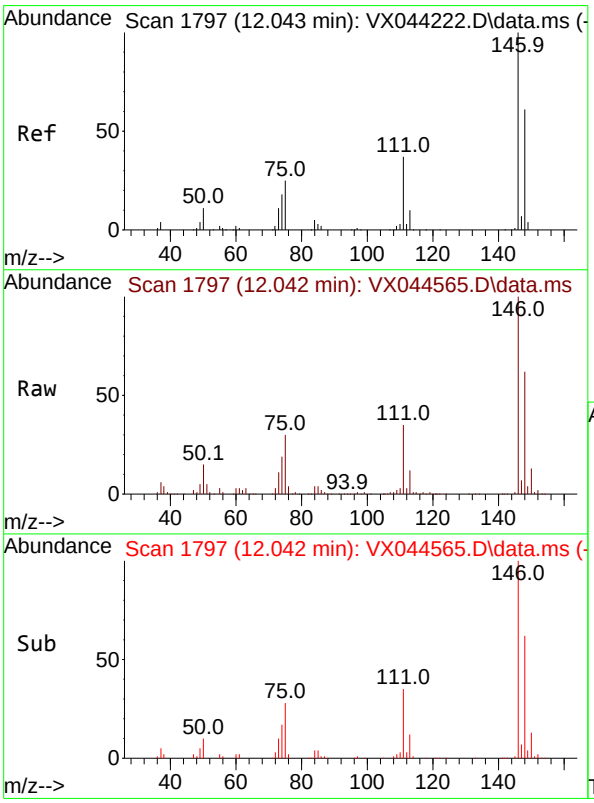
#87
1,3-Dichlorobenzene
Concen: 55.241 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion:146 Resp: 159178

Ion	Ratio	Lower	Upper
146	100		
111	39.8	21.4	64.2
148	63.9	31.7	95.1

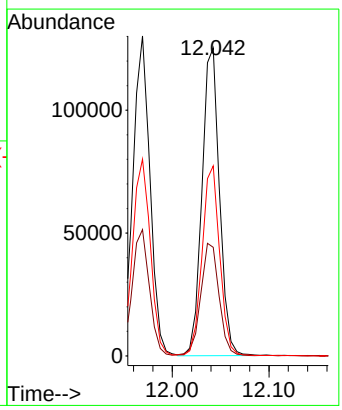


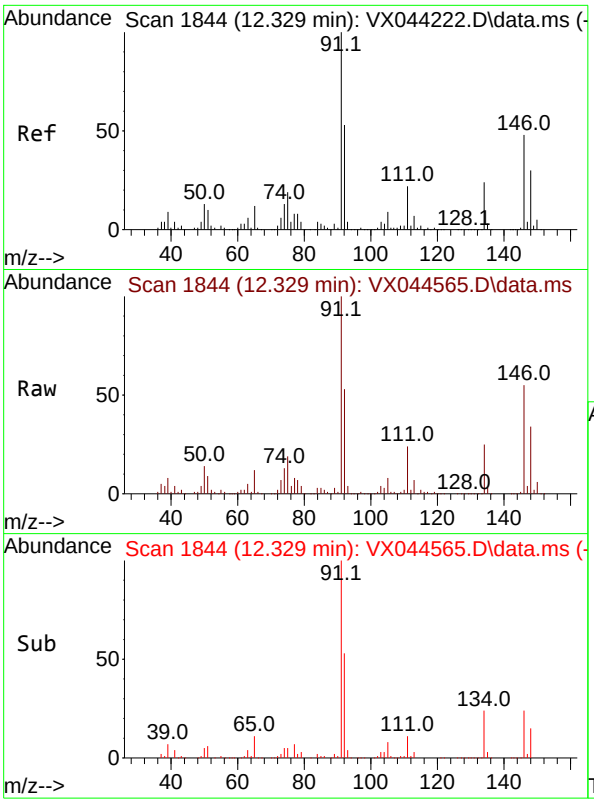


#88
1,4-Dichlorobenzene
Concen: 53.300 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:146 Resp: 157882

Ion	Ratio	Lower	Upper
146	100		
111	38.2	21.0	63.0
148	61.8	32.3	96.8



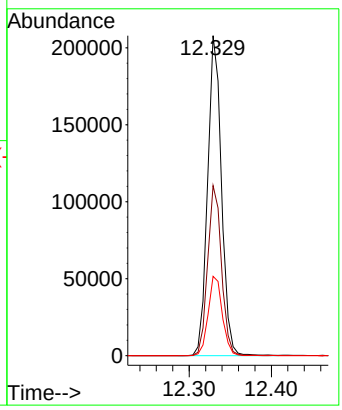


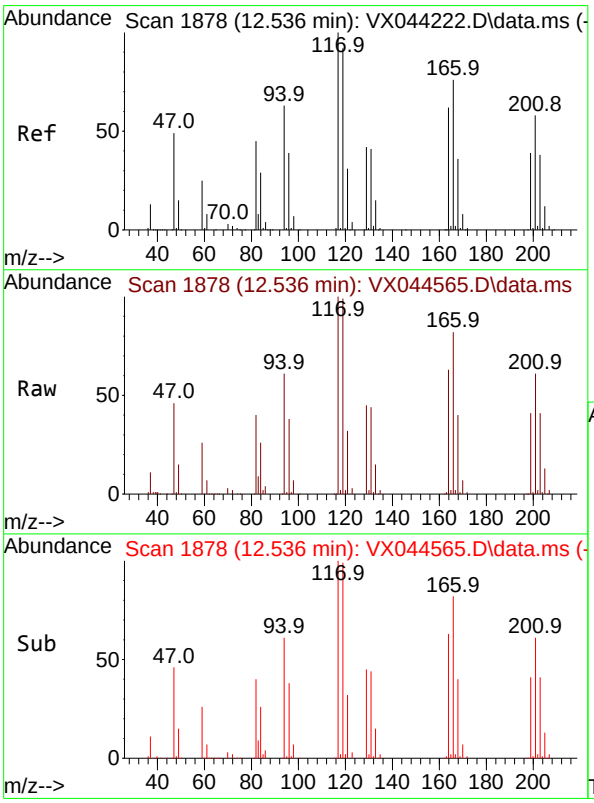
#89
n-Butylbenzene
Concen: 51.330 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion: 91 Resp: 243147

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.7
134	25.4	12.6	37.8

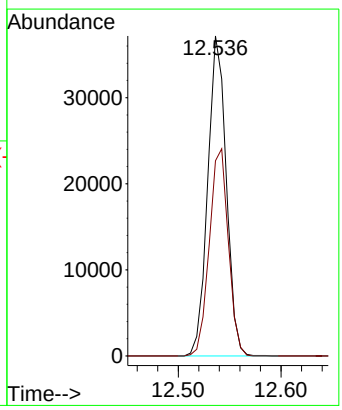


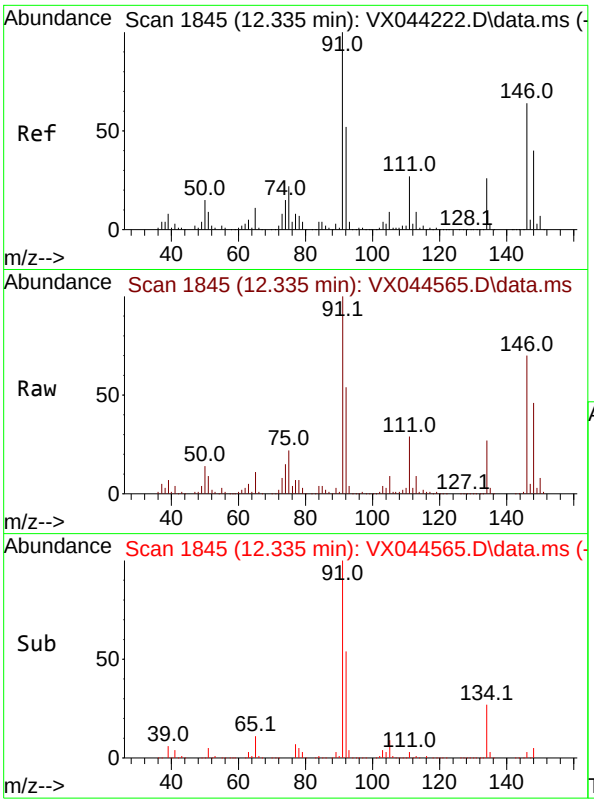


#90
Hexachloroethane
Concen: 56.528 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:117 Resp: 46484

Ion	Ratio	Lower	Upper
117	100		
201	66.4	31.4	94.2



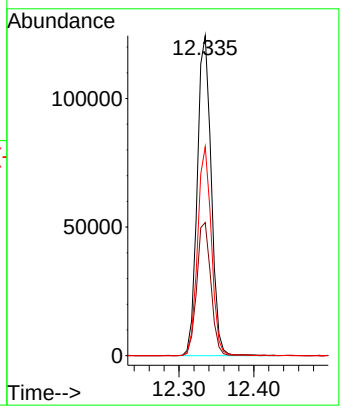


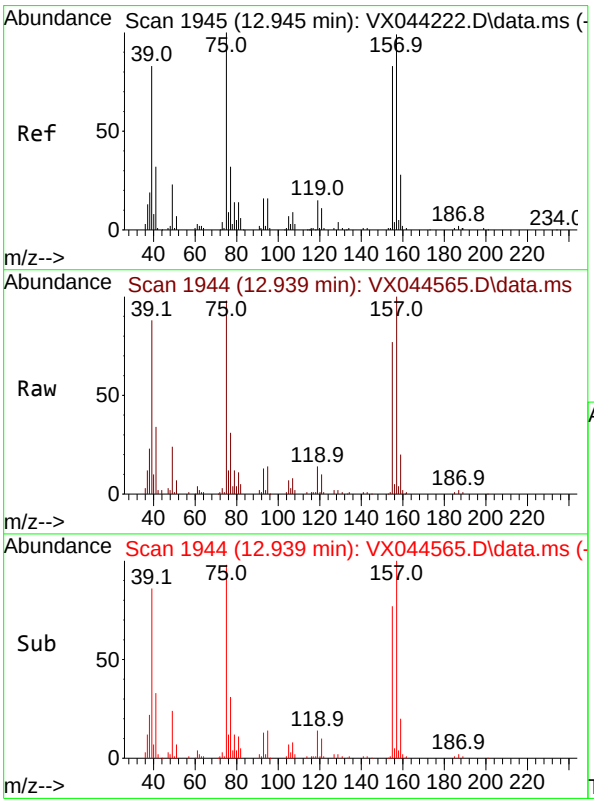
#91
1,2-Dichlorobenzene
Concen: 53.871 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion:146 Resp: 161181

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.4	64.3
148	64.4	31.6	95.0

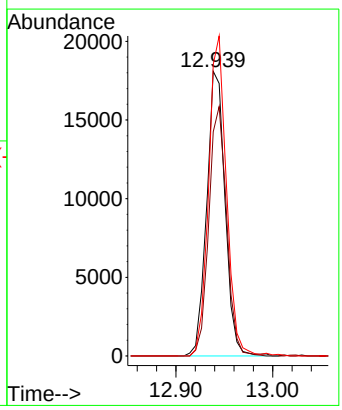


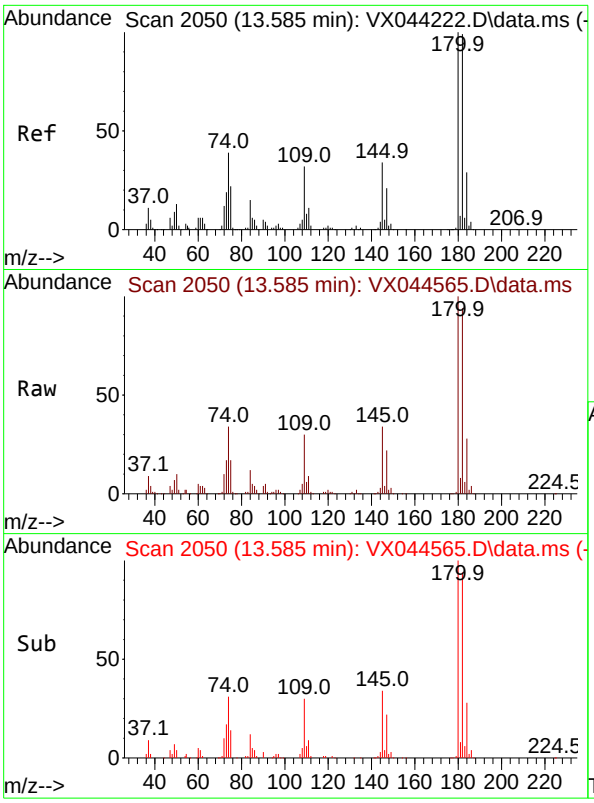


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.174 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion: 75 Resp: 23931

Ion	Ratio	Lower	Upper
75	100		
155	84.8	38.1	114.3
157	109.3	47.2	141.6



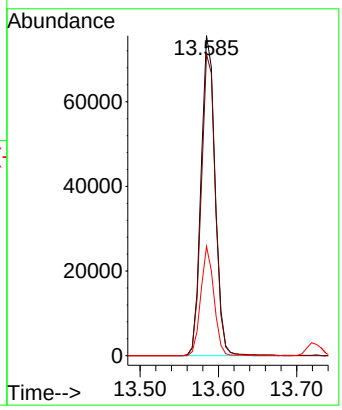


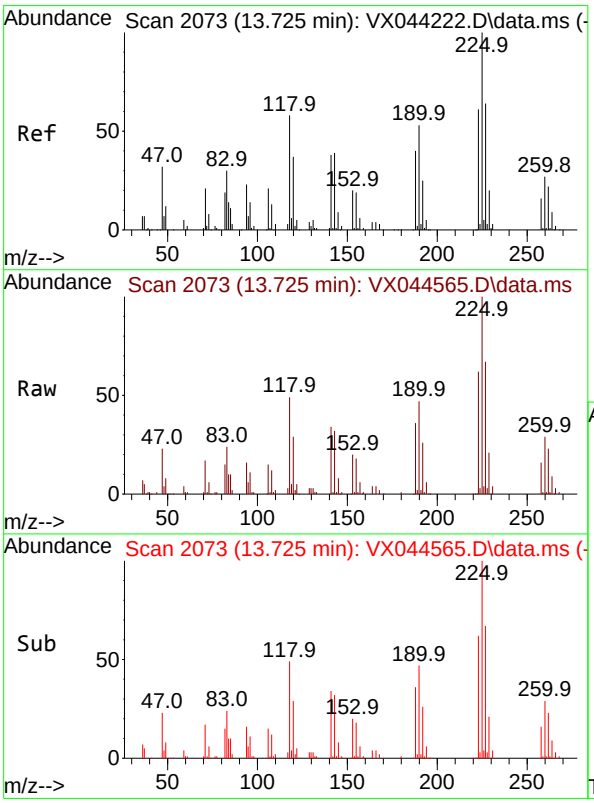
#93
1,2,4-Trichlorobenzene
Concen: 57.338 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion:180 Resp: 94053

Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.0	144.2
145	31.9	16.6	49.7

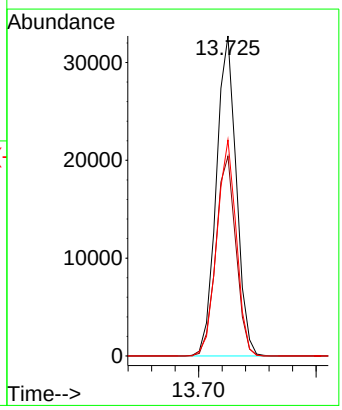


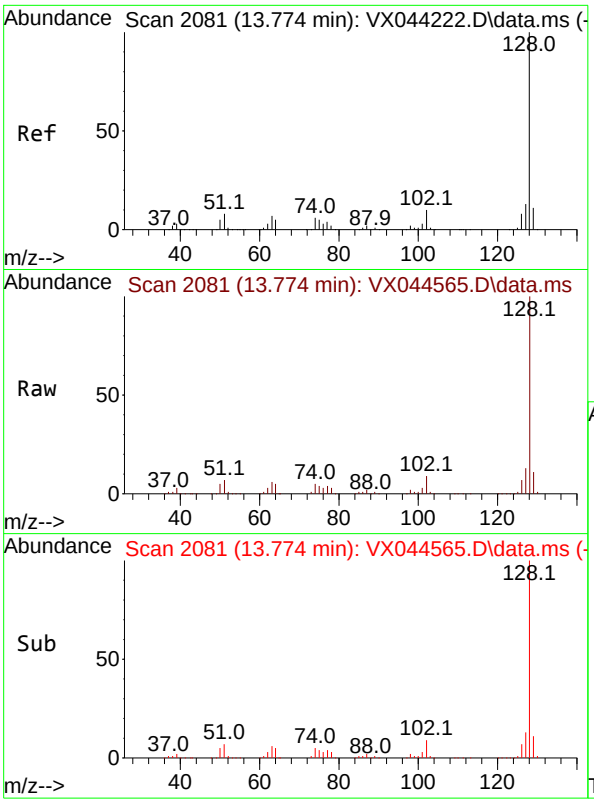


#94
Hexachlorobutadiene
Concen: 58.794 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:225 Resp: 38792

Ion	Ratio	Lower	Upper
225	100		
223	62.2	30.8	92.4
227	65.4	32.1	96.3



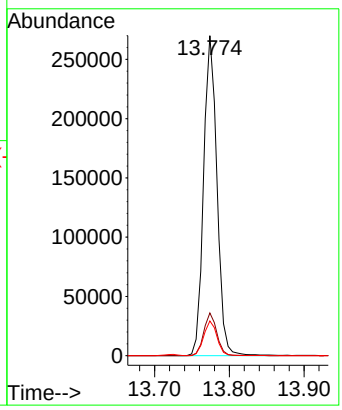


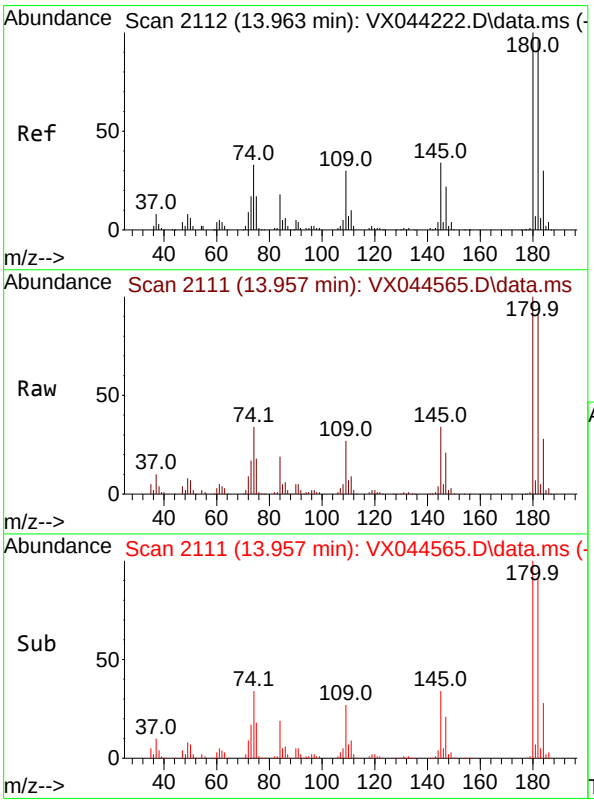
#95
Naphthalene
Concen: 52.326 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
RW10-MW01S-20241218MSD

Tgt Ion:128 Resp: 335035

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	9.0	13.4

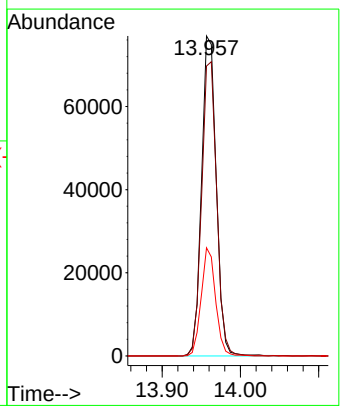




#96
1,2,3-Trichlorobenzene
Concen: 57.535 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX044565.D
Acq: 30 Dec 2024 23:31

Tgt Ion:180 Resp: 100100

Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.0	144.0
145	33.1	17.7	53.1



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	134908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	225955	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97335	41.150	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 82.300%			
35) Dibromofluoromethane	5.379	113	78099	49.905	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.820%			
50) Toluene-d8	8.647	98	255928	48.474	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.940%			
62) 4-Bromofluorobenzene	11.079	95	92593	50.190	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	88473	42.412	ug/l	98
3) Chloromethane	1.294	50	80213	40.211	ug/l	98
4) Vinyl Chloride	1.374	62	85988	41.376	ug/l	100
5) Bromomethane	1.593	94	58486	39.669	ug/l	96
6) Chloroethane	1.660	64	55460	42.857	ug/l	99
7) Trichlorofluoromethane	1.867	101	160196	39.375	ug/l	98
8) Diethyl Ether	2.136	74	60946	43.886	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.312	101	77621	47.148	ug/l	95
10) Methyl Iodide	2.440	142	104691	48.249	ug/l	94
11) Tert butyl alcohol	2.995	59	68583	205.729	ug/l	100
12) 1,1-Dichloroethene	2.306	96	74754	49.435	ug/l	98
13) Acrolein	2.239	56	219281	454.411	ug/l	99
14) Allyl chloride	2.654	41	109846	43.612	ug/l	98
15) Acrylonitrile	3.068	53	206660	223.794	ug/l	100
16) Acetone	2.392	43	191360	198.438	ug/l	98
17) Carbon Disulfide	2.501	76	126347	43.956	ug/l	100
18) Methyl Acetate	2.709	43	113435	45.622	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	255271	43.259	ug/l	100
20) Methylene Chloride	2.782	84	80711	44.561	ug/l	93
21) trans-1,2-Dichloroethene	3.081	96	73581	45.785	ug/l	96
22) Diisopropyl ether	3.763	45	241729	42.621	ug/l	98
23) Vinyl Acetate	3.721	43	1052226	228.196	ug/l	98
24) 1,1-Dichloroethane	3.605	63	143640	45.434	ug/l	98
25) 2-Butanone	4.562	43	293704	214.237	ug/l	99
26) 2,2-Dichloropropane	4.464	77	92800	36.132	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	92046	45.097	ug/l	92
28) Bromochloromethane	4.897	49	61368	39.585	ug/l	90
29) Tetrahydrofuran	5.007	42	187403	212.969	ug/l	98
30) Chloroform	5.086	83	154551	43.510	ug/l	99
31) Cyclohexane	5.458	56	107006	41.915	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	135637	46.002	ug/l	99
36) 1,1-Dichloropropene	5.684	75	96599	47.753	ug/l	98
37) Ethyl Acetate	4.721	43	115086	46.024	ug/l	98
38) Carbon Tetrachloride	5.665	117	109326	50.199	ug/l	97
39) Methylcyclohexane	7.372	83	115954	47.948	ug/l	96
40) Benzene	6.031	78	301408	49.074	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	61126	46.035 ug/l	95
42) 1,2-Dichloroethane	6.086	62	118878	46.987 ug/l	97
43) Isopropyl Acetate	6.342	43	185677	47.508 ug/l	98
44) Trichloroethene	7.123	130	80026	52.249 ug/l	91
45) 1,2-Dichloropropane	7.427	63	74860	47.708 ug/l	97
46) Dibromomethane	7.580	93	60246	49.490 ug/l	91
47) Bromodichloromethane	7.818	83	108056	51.396 ug/l	99
48) Methyl methacrylate	7.696	41	88938	46.878 ug/l	96
49) 1,4-Dioxane	7.665	88	28733	913.462 ug/l #	73
51) 4-Methyl-2-Pentanone	8.573	43	608819	242.270 ug/l	98
52) Toluene	8.714	92	188560	48.888 ug/l	98
53) t-1,3-Dichloropropene	8.976	75	103525	46.134 ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	115192	50.320 ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	79336	51.778 ug/l	98
56) Ethyl methacrylate	9.116	69	121845	50.372 ug/l	98
57) 1,3-Dichloropropane	9.305	76	130819	49.051 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	262876	215.466 ug/l	97
59) 2-Hexanone	9.433	43	449825	247.299 ug/l	98
60) Dibromochloromethane	9.518	129	81525	50.226 ug/l	98
61) 1,2-Dibromoethane	9.610	107	82337	52.792 ug/l	97
64) Tetrachloroethene	9.275	164	66308	50.030 ug/l	95
65) Chlorobenzene	10.079	112	213039	49.789 ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	75033	54.563 ug/l	99
67) Ethyl Benzene	10.195	91	365437	49.429 ug/l	99
68) m/p-Xylenes	10.299	106	273541	100.832 ug/l	96
69) o-Xylene	10.640	106	137223	49.993 ug/l	96
70) Styrene	10.652	104	228924	52.025 ug/l	95
71) Bromoform	10.799	173	52709	54.252 ug/l #	100
73) Isopropylbenzene	10.963	105	358412	48.065 ug/l	98
74) N-amyl acetate	10.841	43	158466	45.983 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	123043	47.507 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	127350	58.556 ug/l	85
77) Bromobenzene	11.195	156	91064	50.361 ug/l	93
78) n-propylbenzene	11.305	91	398738	48.380 ug/l	97
79) 2-Chlorotoluene	11.366	91	245736	46.103 ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	294610	47.642 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	29397	39.990 ug/l	98
82) 4-Chlorotoluene	11.451	91	280598	47.540 ug/l	98
83) tert-Butylbenzene	11.713	119	304970	49.903 ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	298601	49.168 ug/l	100
85) sec-Butylbenzene	11.890	105	359795	48.496 ug/l	98
86) p-Isopropyltoluene	12.006	119	308256	49.920 ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	161456	51.117 ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	161835	49.842 ug/l	97
89) n-Butylbenzene	12.329	91	250983	48.337 ug/l	99
90) Hexachloroethane	12.536	117	46260	51.321 ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	163405	49.824 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	23513	46.766 ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	98627	54.853 ug/l	98
94) Hexachlorobutadiene	13.725	225	40268	55.678 ug/l	99
95) Naphthalene	13.774	128	348668	49.679 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	103555	54.300 ug/l	95

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

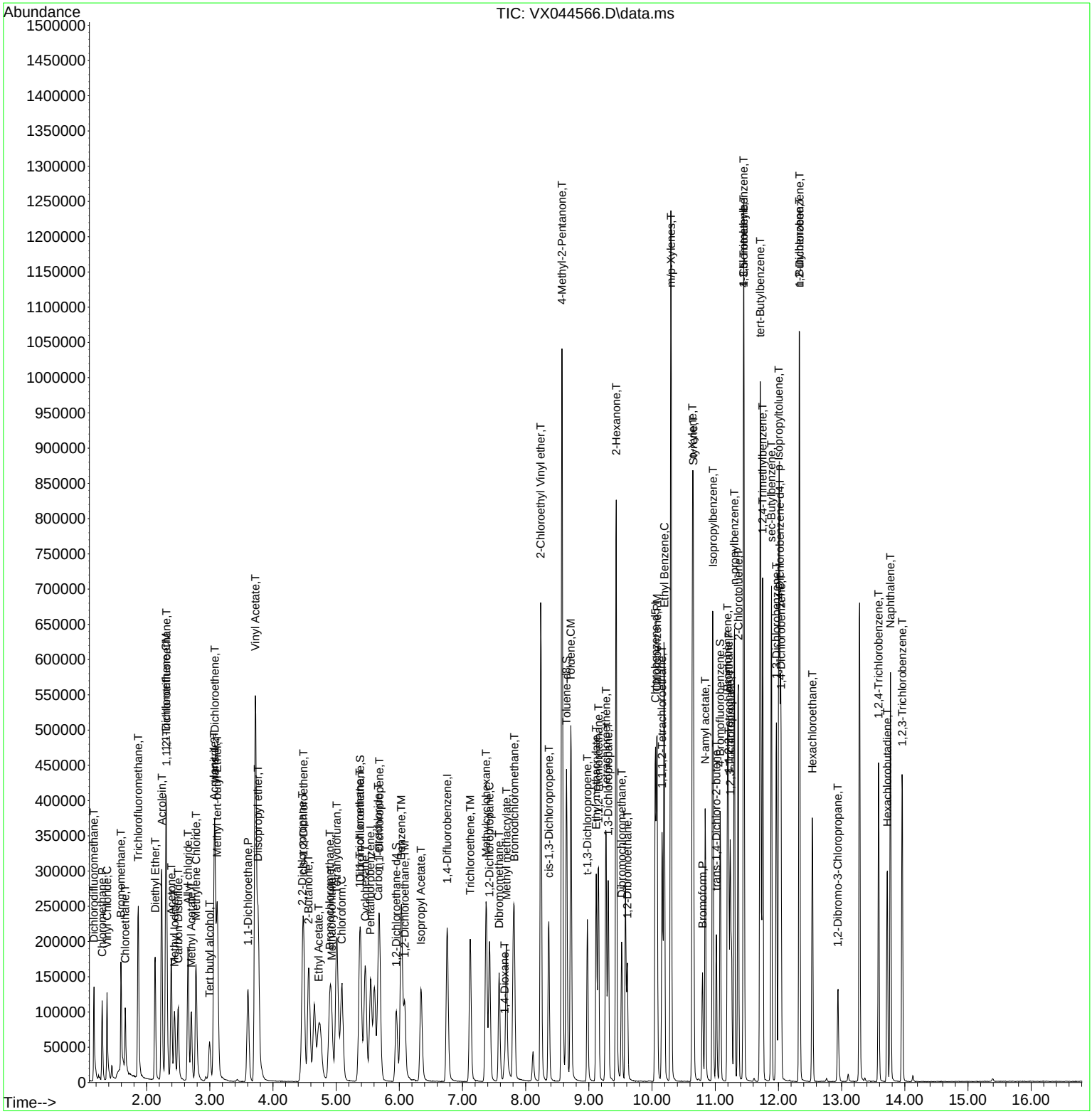
(#) = qualifier out of range (m) = manual integration (+) = signals summed

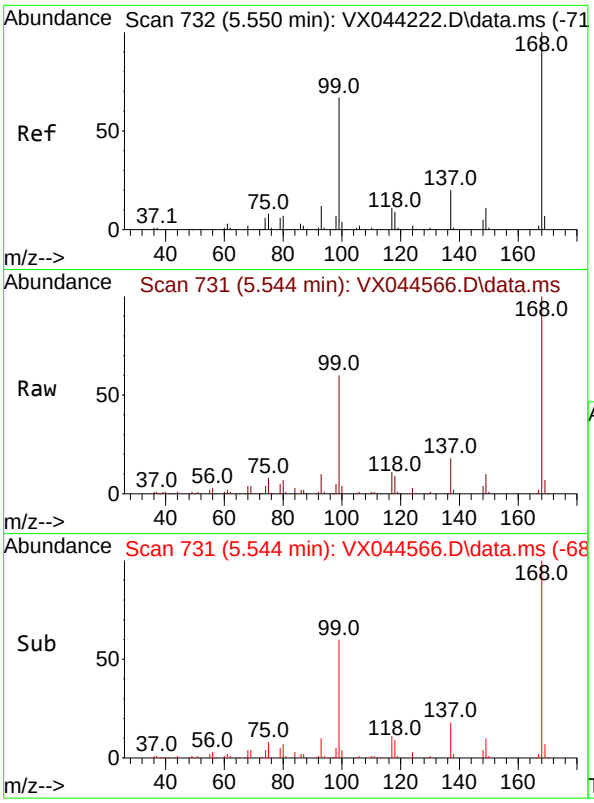
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
Data File : VX044566.D
Acq On : 30 Dec 2024 23:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 31 03:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



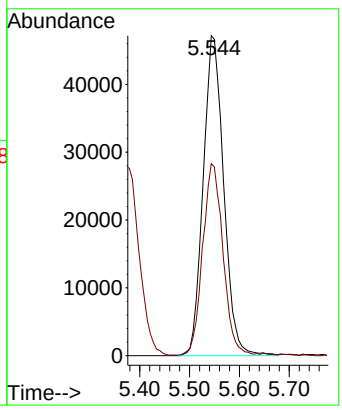


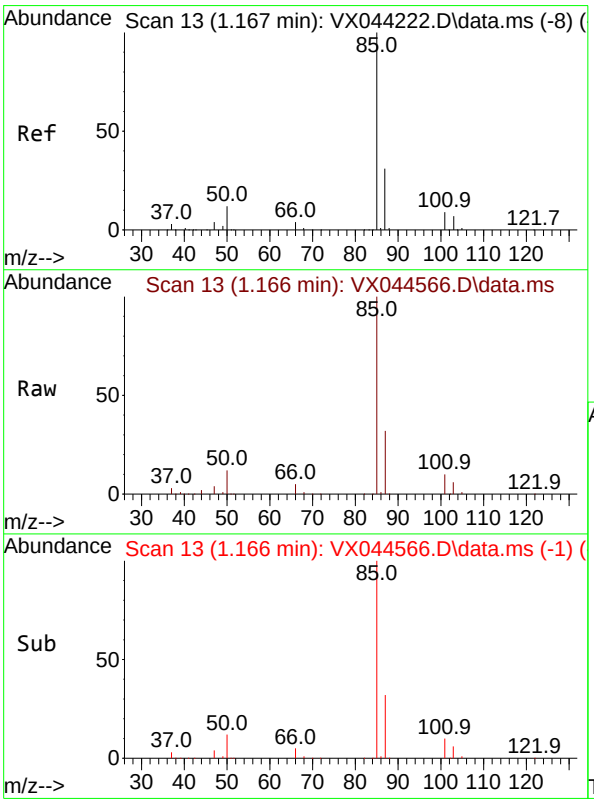
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 134908

Ion	Ratio	Lower	Upper
168	100		
99	59.8	53.4	80.0

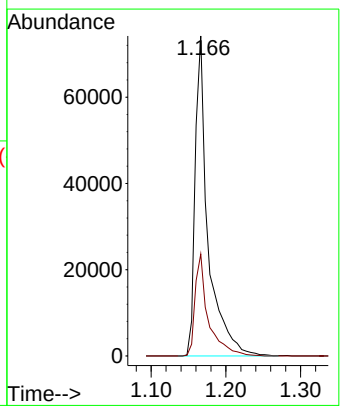


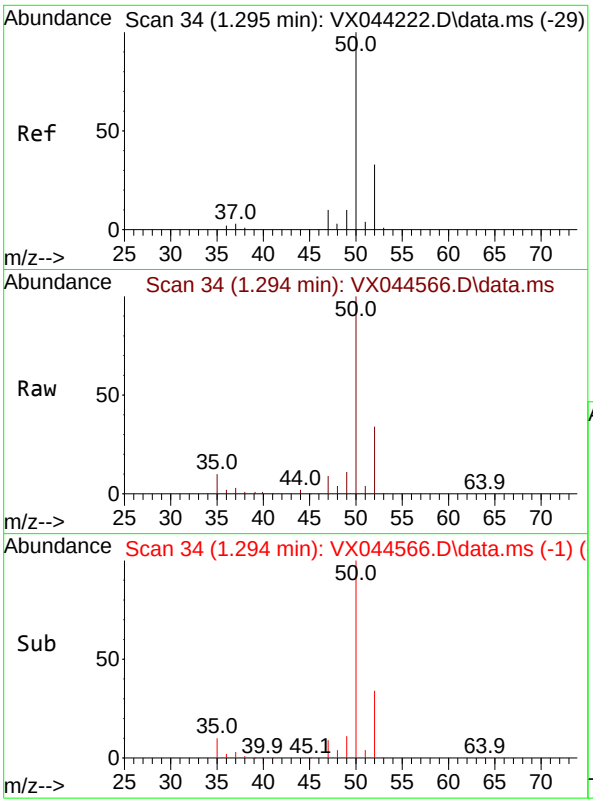


#2
Dichlorodifluoromethane
Concen: 42.412 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 85 Resp: 88473

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.4	46.4



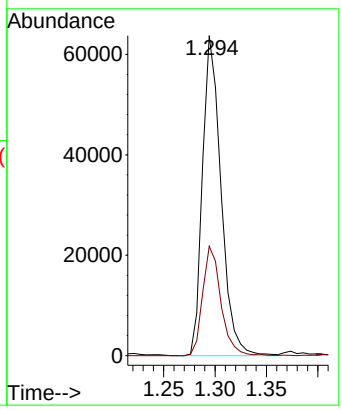


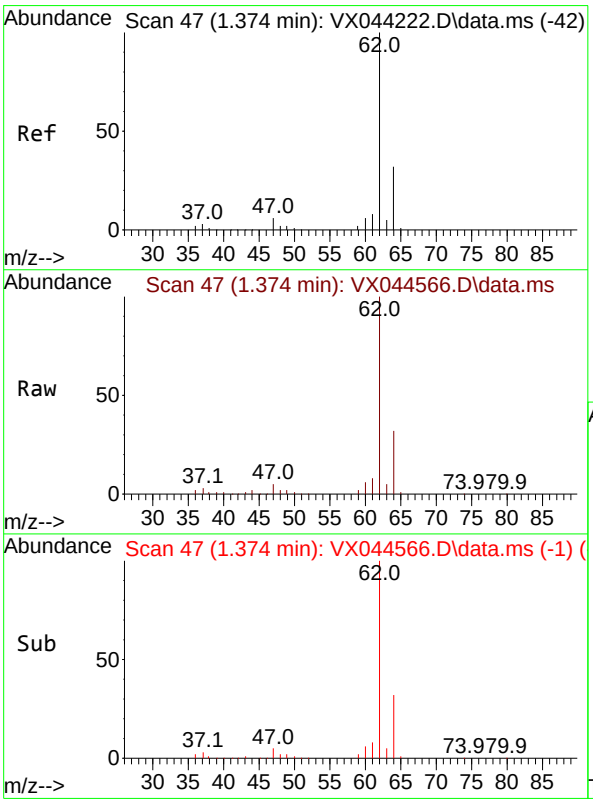
#3
Chloromethane
Concen: 40.211 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 80213

Ion	Ratio	Lower	Upper
50	100		
52	34.2	26.5	39.7

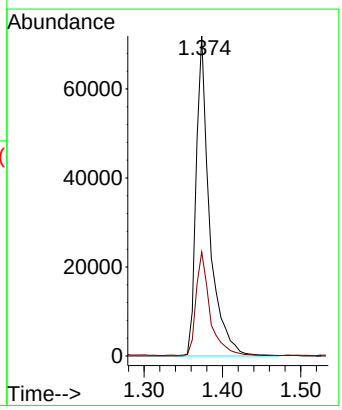


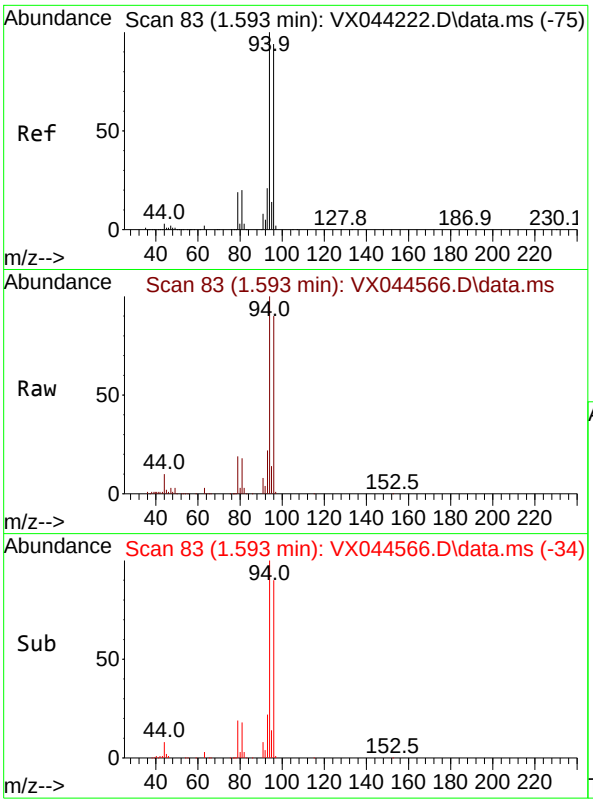


#4
Vinyl Chloride
Concen: 41.376 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 62 Resp: 85988

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.7	38.5



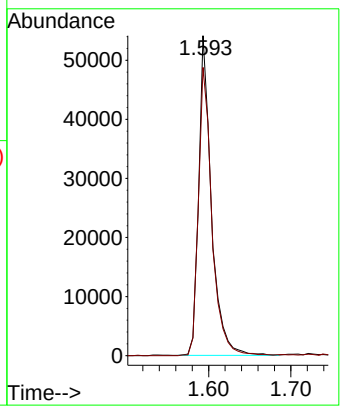


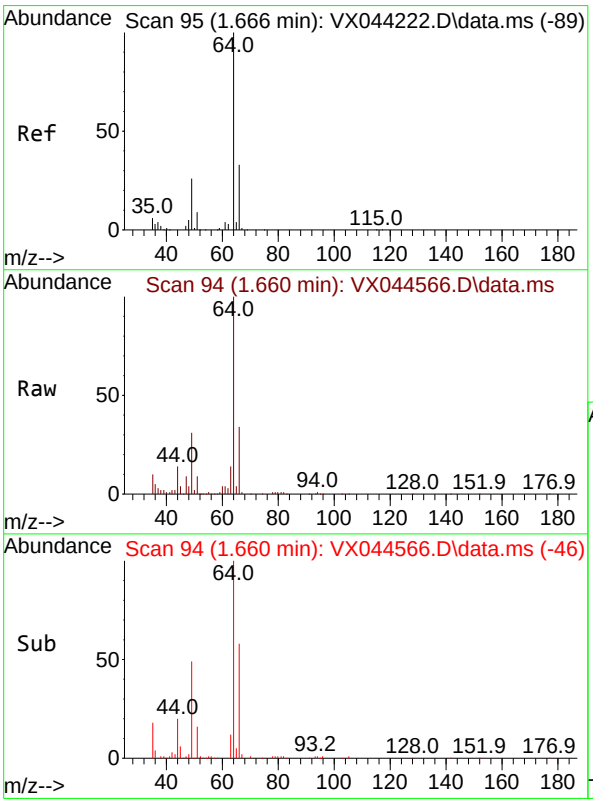
#5
Bromomethane
Concen: 39.669 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 58486

Ion	Ratio	Lower	Upper
94	100		
96	90.2	74.9	112.3

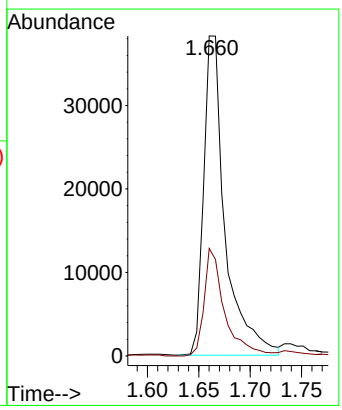


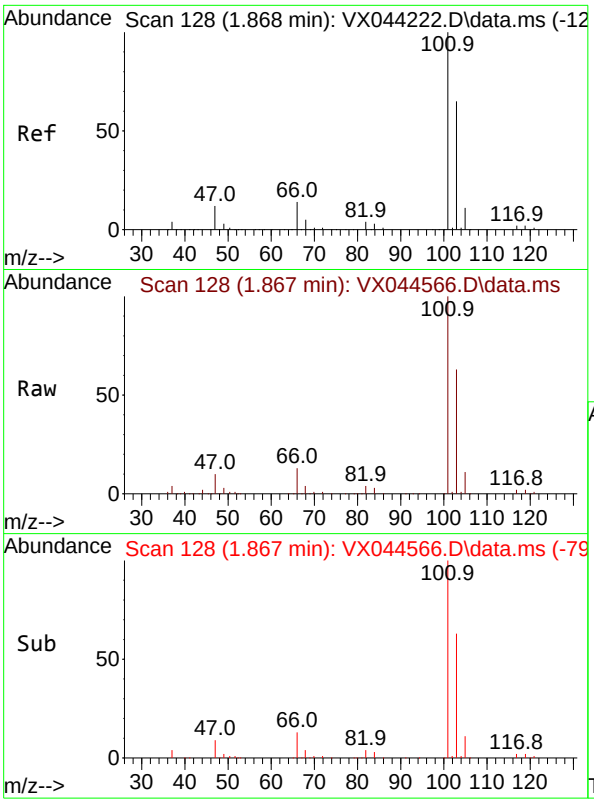


#6
Chloroethane
Concen: 42.857 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 64 Resp: 55460

Ion	Ratio	Lower	Upper
64	100		
66	33.7	26.6	39.8



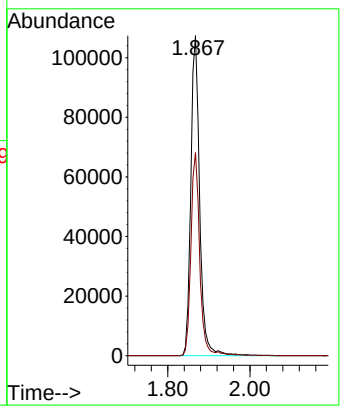


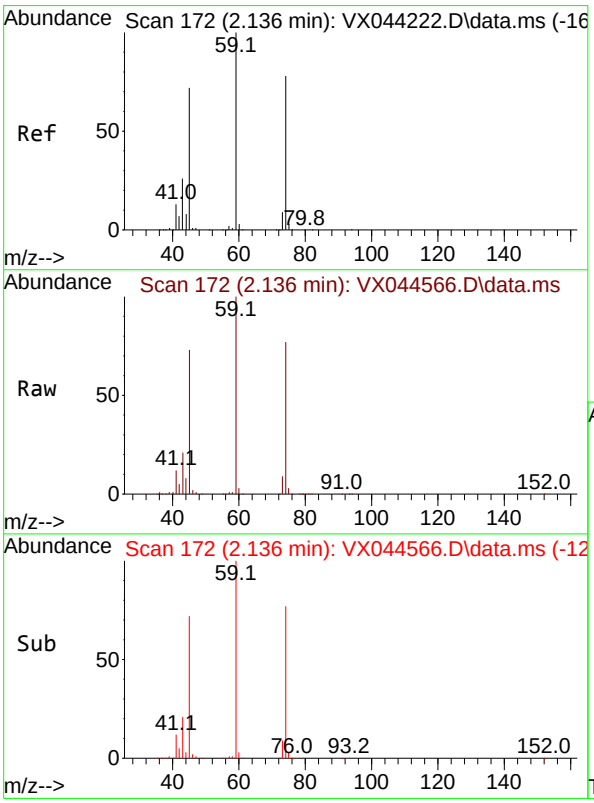
#7
Trichlorofluoromethane
Concen: 39.375 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 160196

Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.8	77.8

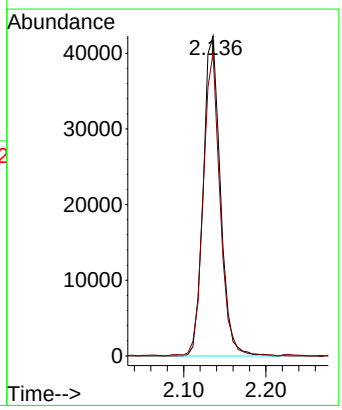


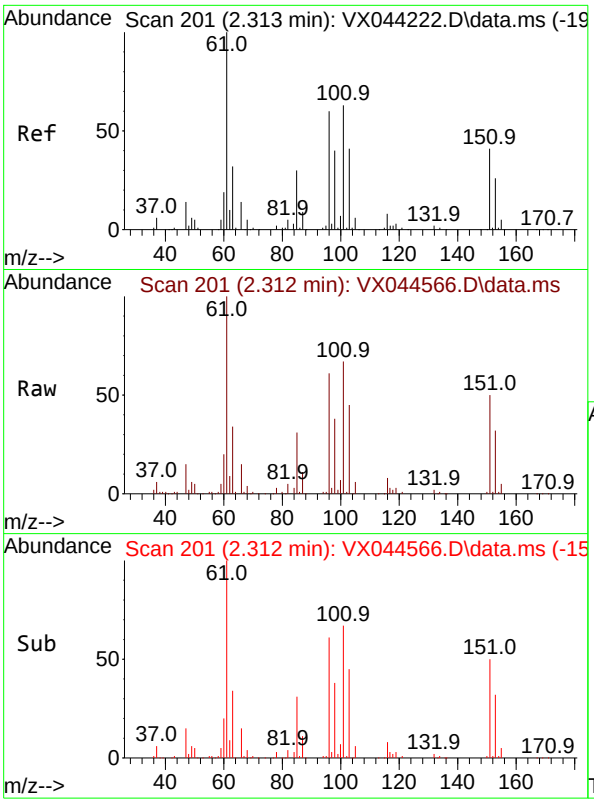


#8
Diethyl Ether
Concen: 43.886 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 74 Resp: 60946

Ion	Ratio	Lower	Upper
74	100		
45	93.8	48.4	145.0



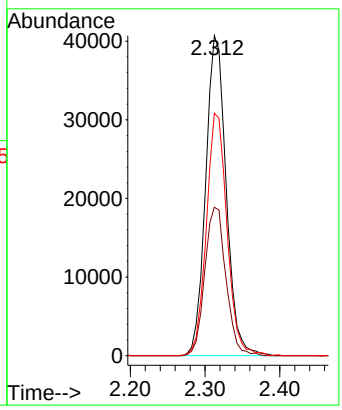


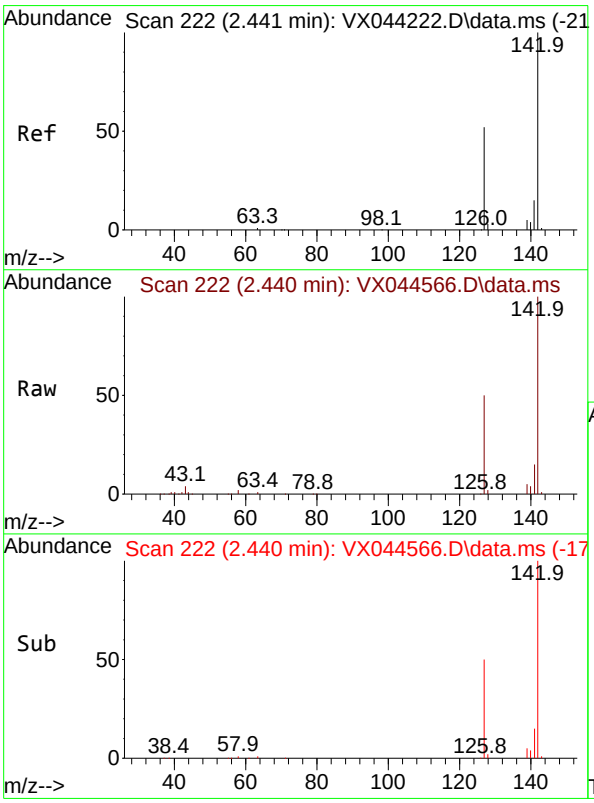
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.148 ug/l
RT: 2.312 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 77621

Ion	Ratio	Lower	Upper
101	100		
85	47.8	38.5	57.7
151	76.4	55.8	83.6

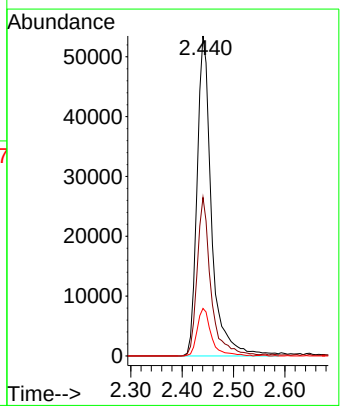


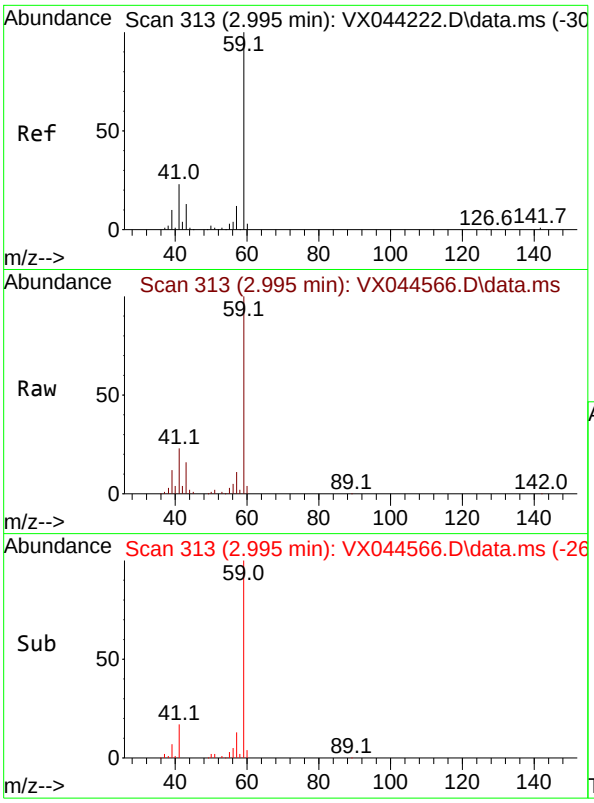


#10
Methyl Iodide
Concen: 48.249 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:142 Resp: 104691

Ion	Ratio	Lower	Upper
142	100		
127	47.3	41.8	62.8
141	14.6	11.5	17.3



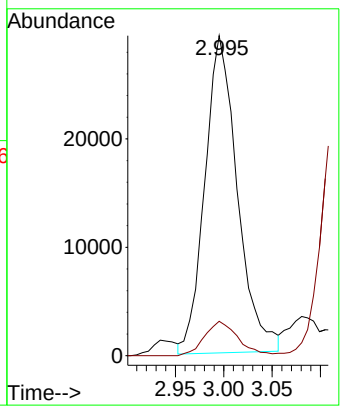


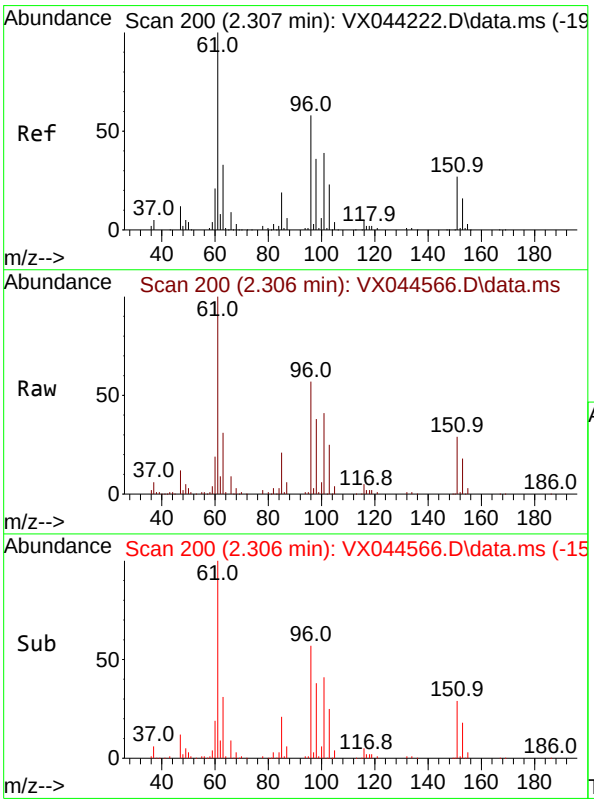
#11
Tert butyl alcohol
Concen: 205.729 ug/l
RT: 2.995 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 68583

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.8	13.2

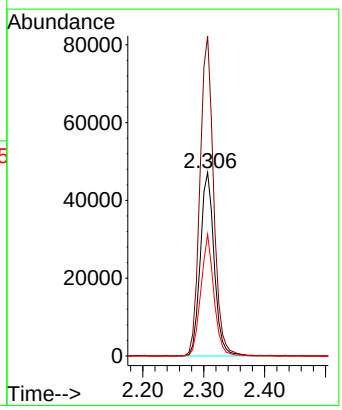


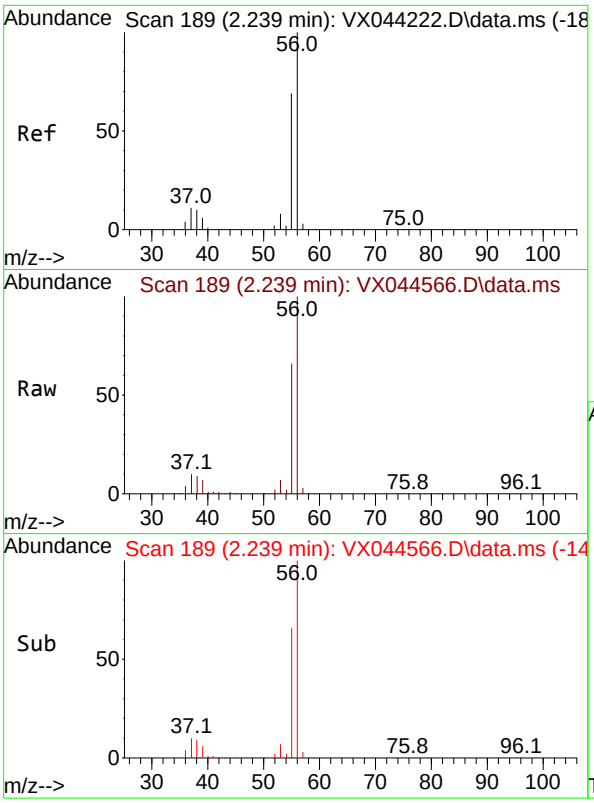


#12
1,1-Dichloroethene
Concen: 49.435 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 96 Resp: 74754

Ion	Ratio	Lower	Upper
96	100		
61	174.6	138.0	207.0
98	66.3	50.0	75.0



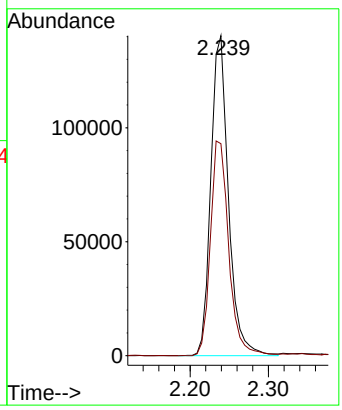


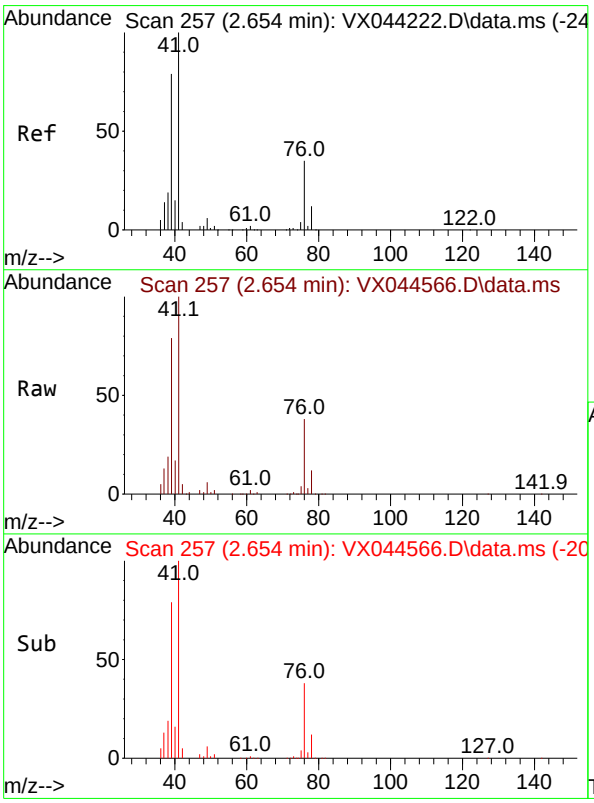
#13
Acrolein
Concen: 454.411 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 219281

Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.6	84.8

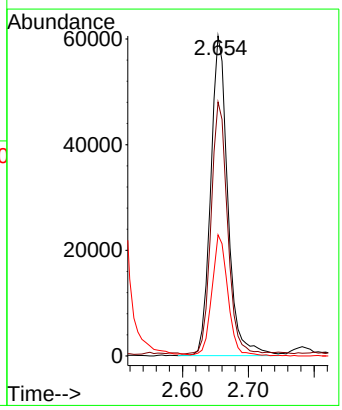


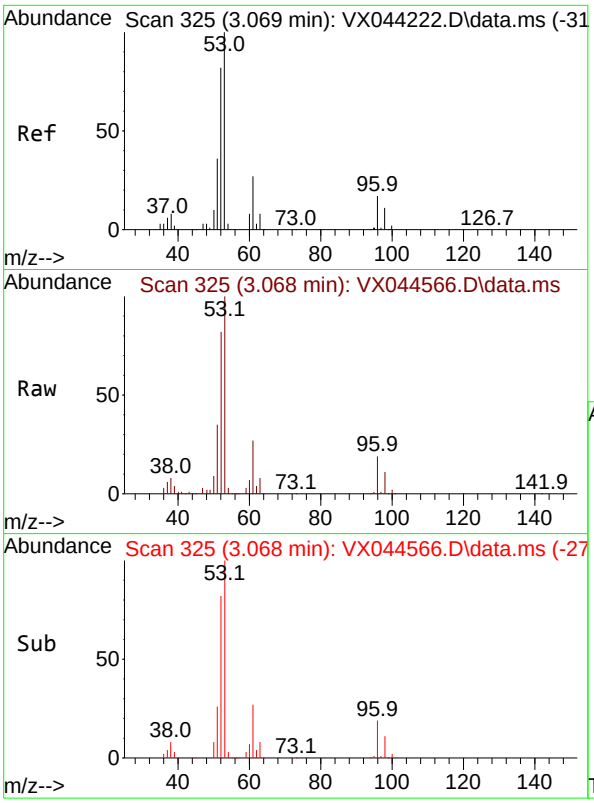


#14
Allyl chloride
Concen: 43.612 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 41 Resp: 109846

Ion	Ratio	Lower	Upper
41	100		
39	75.8	61.9	92.9
76	35.0	27.4	41.2



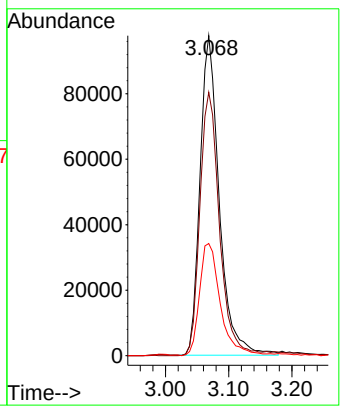


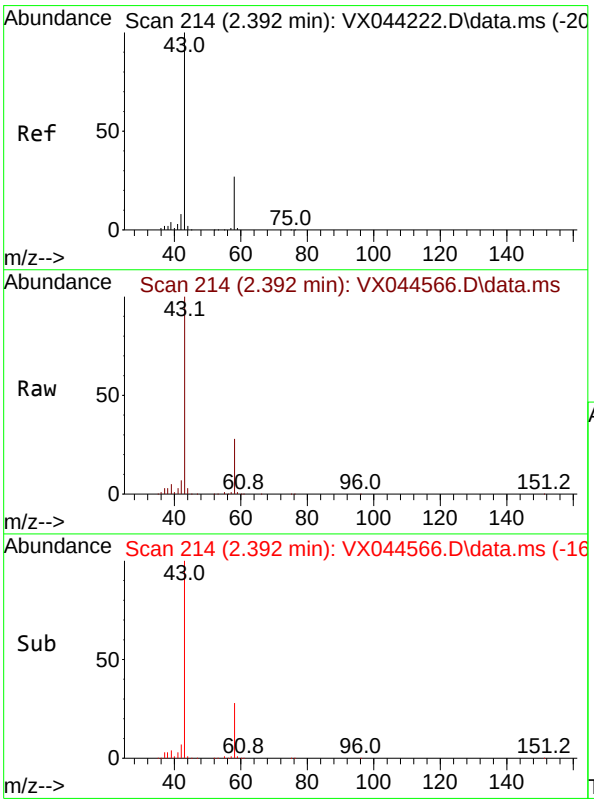
#15
Acrylonitrile
Concen: 223.794 ug/l
RT: 3.068 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 206660

Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.4	101.0
51	38.1	30.3	45.5

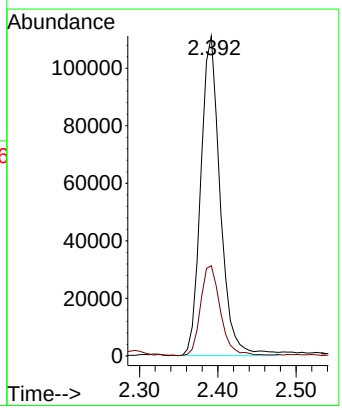


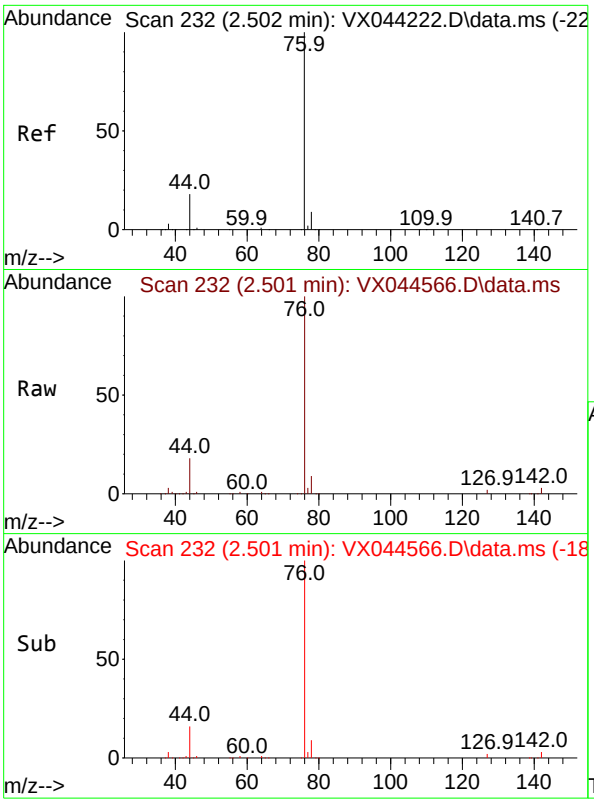


#16
Acetone
Concen: 198.438 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 43 Resp: 191360

Ion	Ratio	Lower	Upper
43	100		
58	28.1	21.6	32.4



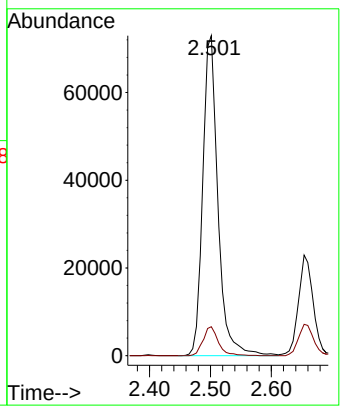


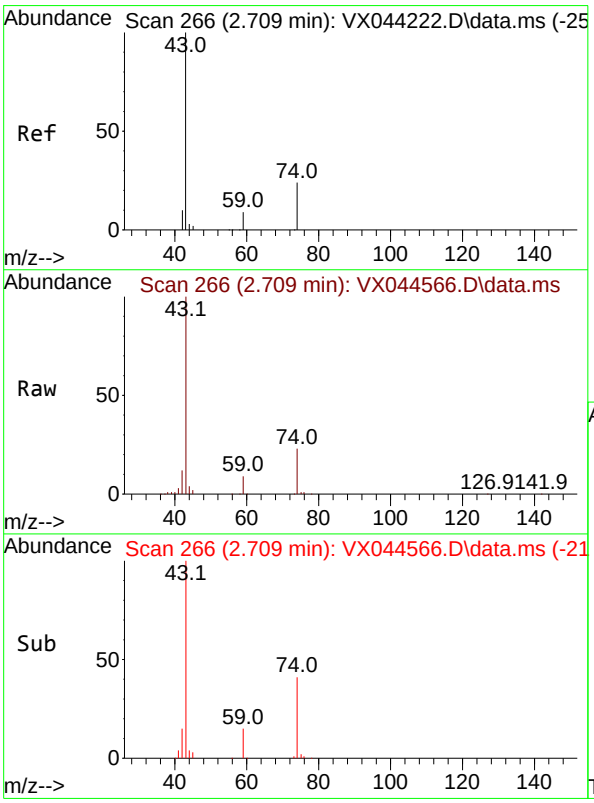
#17
Carbon Disulfide
Concen: 43.956 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 126347

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

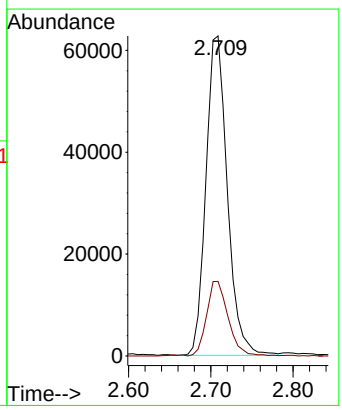


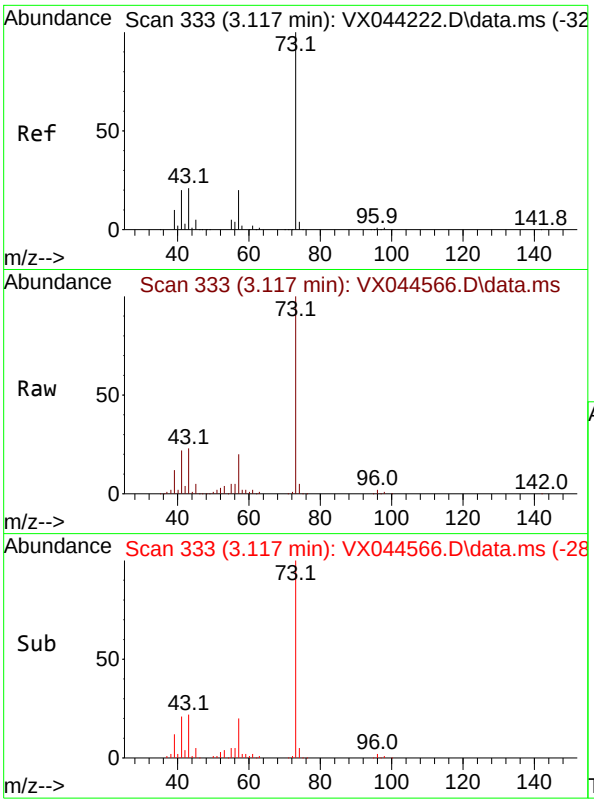


#18
Methyl Acetate
Concen: 45.622 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 43 Resp: 113435

Ion	Ratio	Lower	Upper
43	100		
74	23.5	17.7	26.5



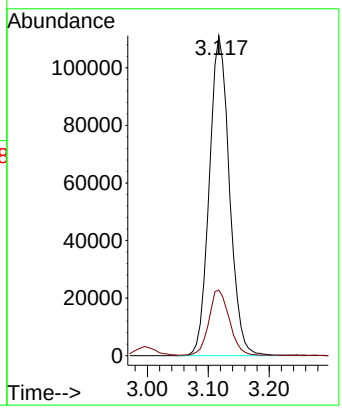


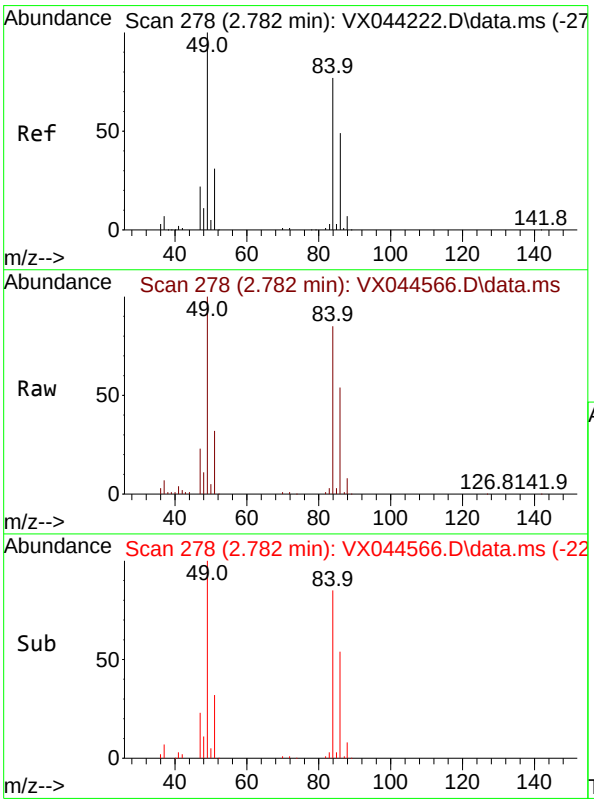
#19
Methyl tert-butyl Ether
Concen: 43.259 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 255271

Ion	Ratio	Lower	Upper
73	100		
57	20.4	16.2	24.4

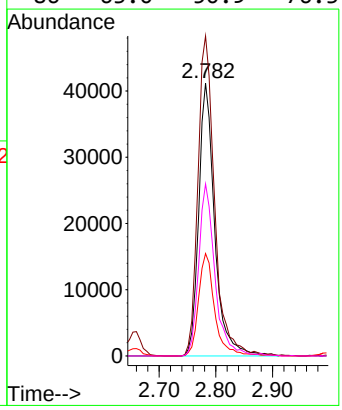


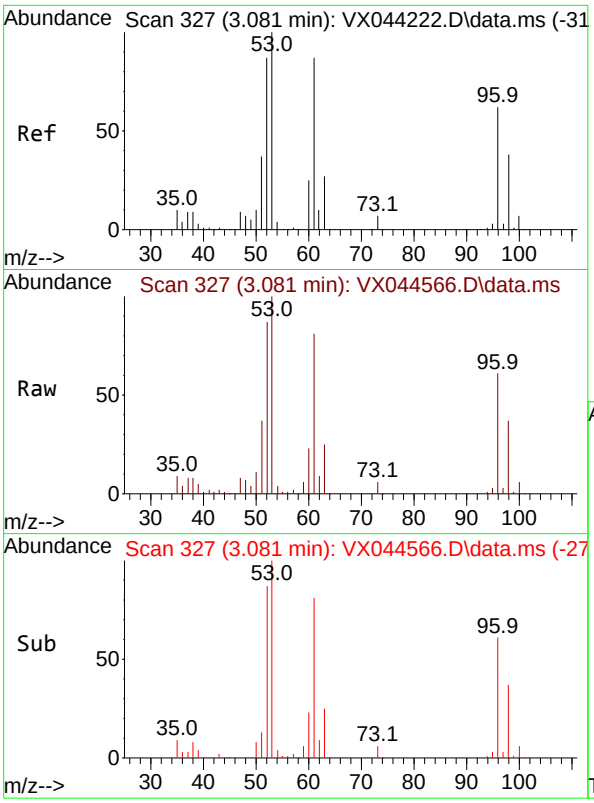


#20
Methylene Chloride
Concen: 44.561 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 84 Resp: 80711

Ion	Ratio	Lower	Upper
84	100		
49	117.3	104.2	156.4
51	37.6	32.2	48.4
86	63.0	50.9	76.3



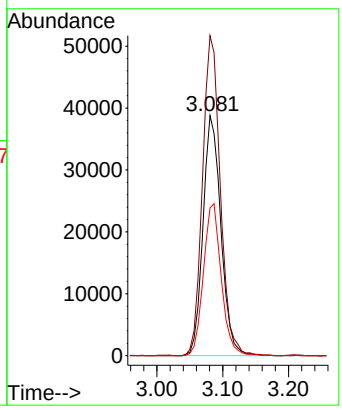


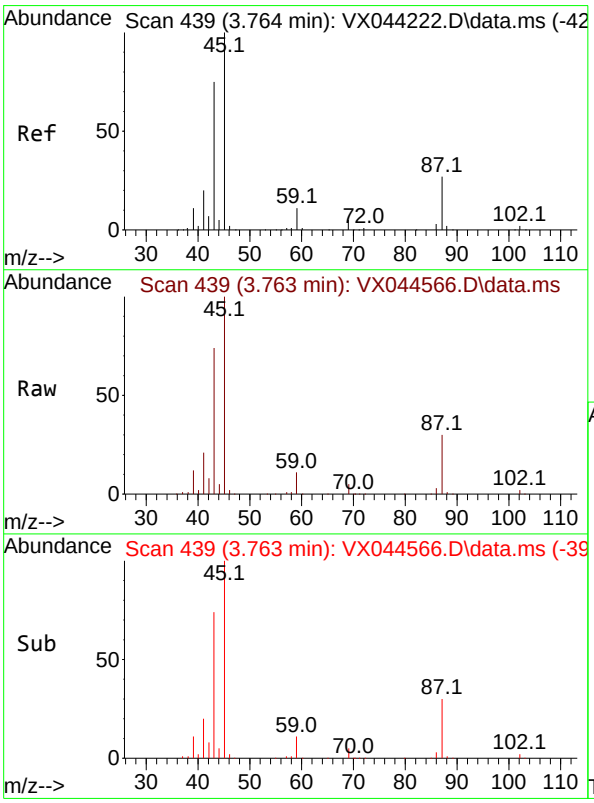
#21
trans-1,2-Dichloroethene
Concen: 45.785 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 73581

Ion	Ratio	Lower	Upper
96	100		
61	133.2	112.0	168.0
98	61.6	48.8	73.2

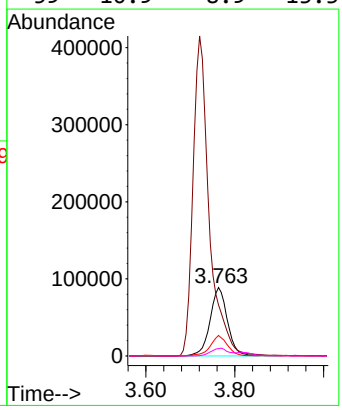


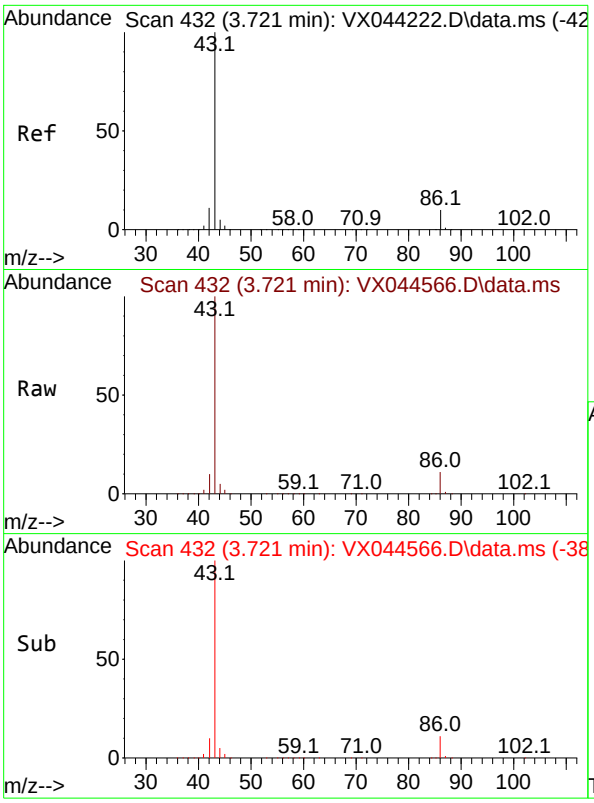


#22
Diisopropyl ether
Concen: 42.621 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 45 Resp: 241729

Ion	Ratio	Lower	Upper
45	100		
43	74.2	60.2	90.2
87	29.9	21.2	31.8
59	10.9	8.9	13.3



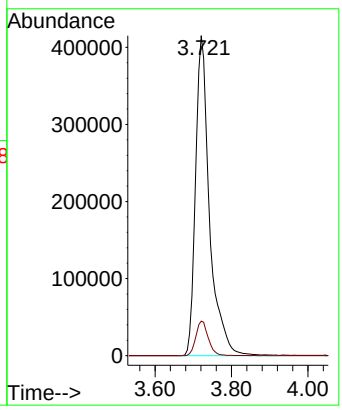


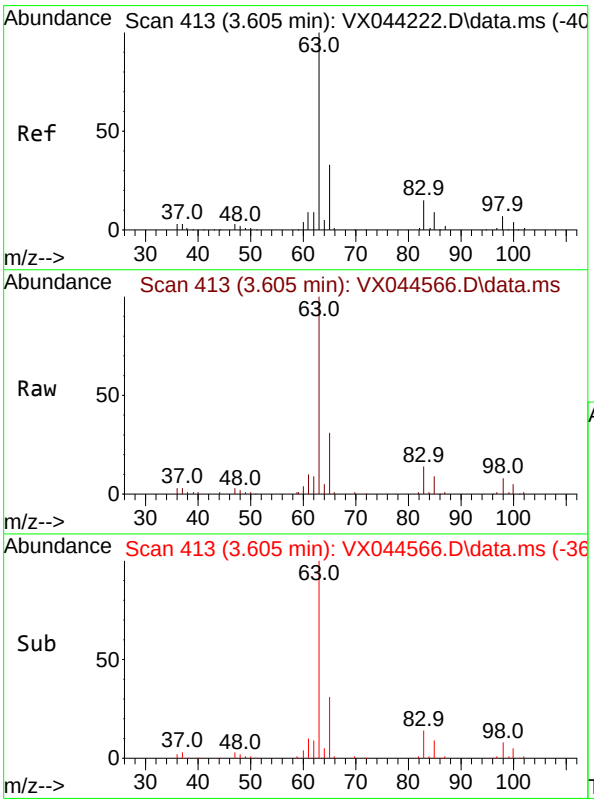
#23
Vinyl Acetate
Concen: 228.196 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1052226

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.2	12.2

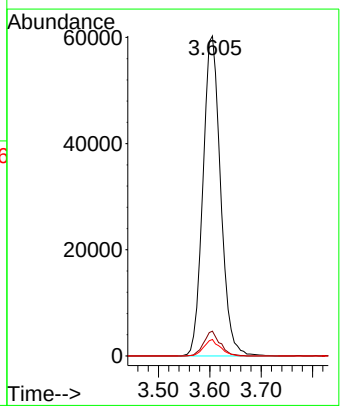


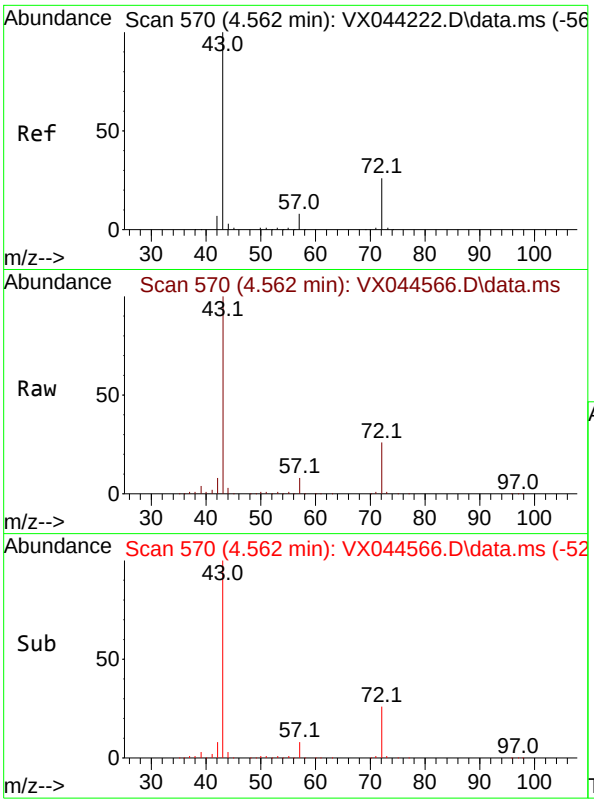


#24
1,1-Dichloroethane
Concen: 45.434 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 63 Resp: 143640

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.6	10.8
100	5.2	2.1	6.3



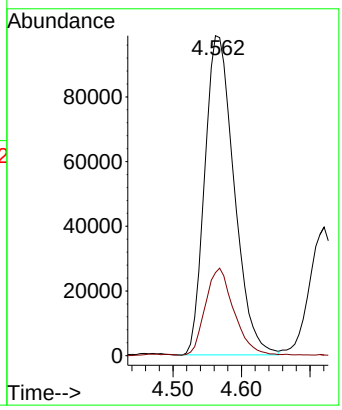


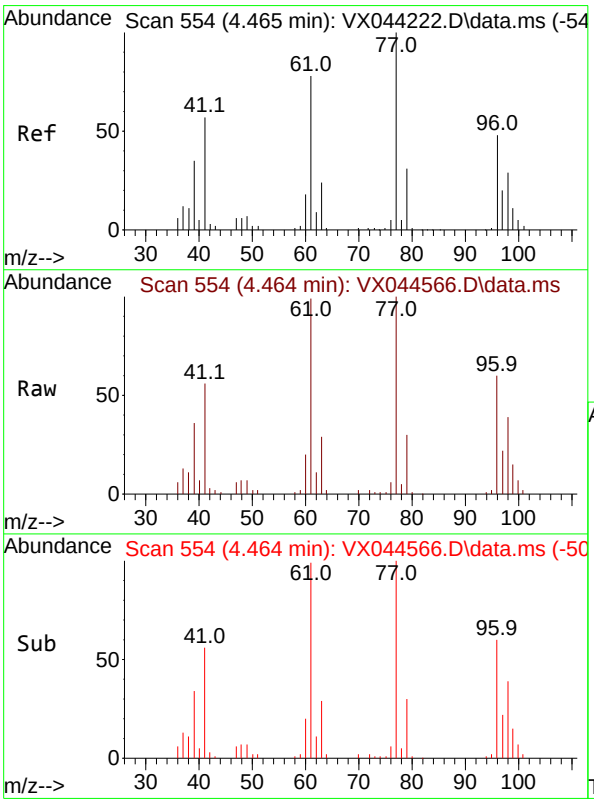
#25
2-Butanone
Concen: 214.237 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 293704

Ion	Ratio	Lower	Upper
43	100		
72	25.8	20.2	30.4

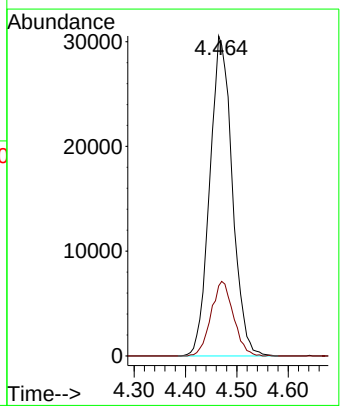


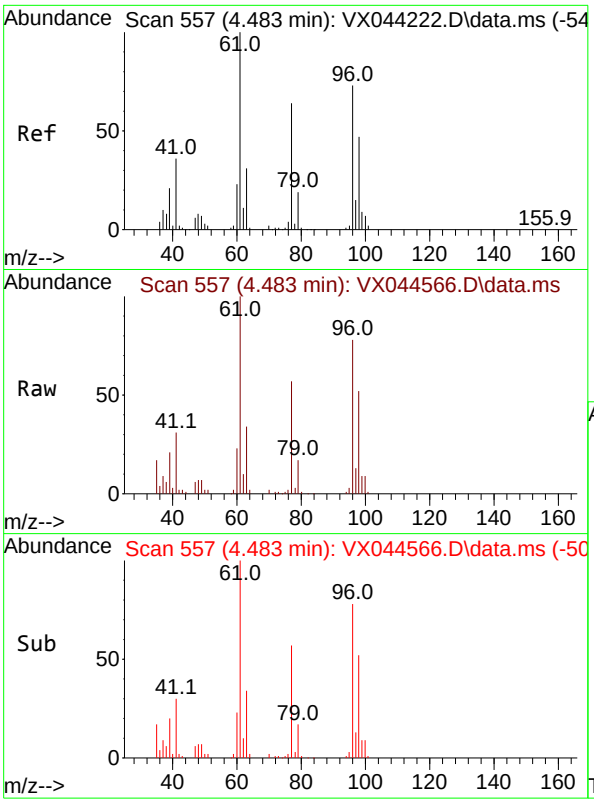


#26
2,2-Dichloropropane
Concen: 36.132 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 77 Resp: 92800

Ion	Ratio	Lower	Upper
77	100		
97	23.3	10.7	32.1



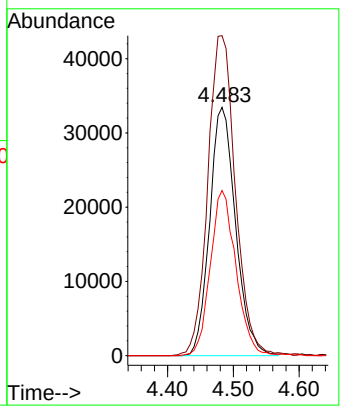


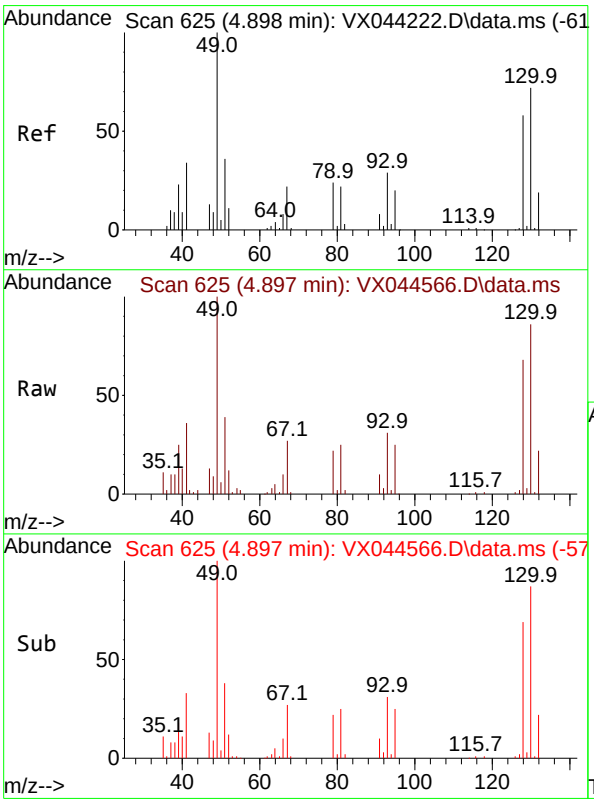
#27
cis-1,2-Dichloroethene
Concen: 45.097 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 92046

Ion	Ratio	Lower	Upper
96	100		
61	136.8	0.0	299.0
98	65.9	0.0	129.0

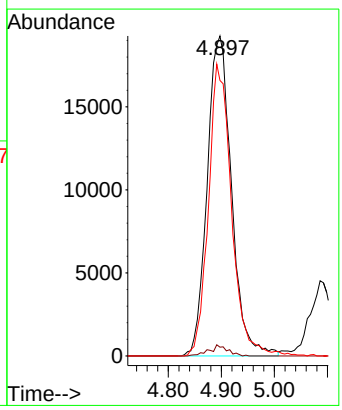


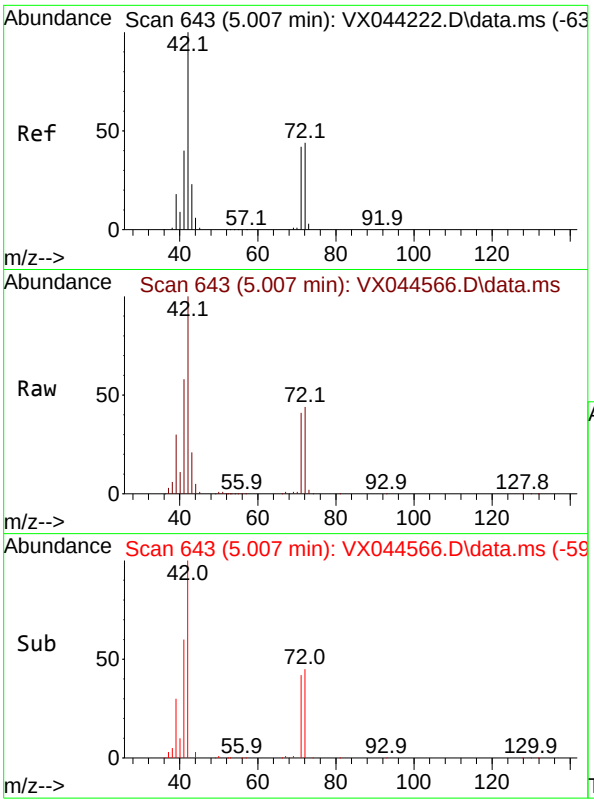


#28
Bromochloromethane
Concen: 39.585 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 49 Resp: 61368

Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.2
130	86.1	62.1	93.1



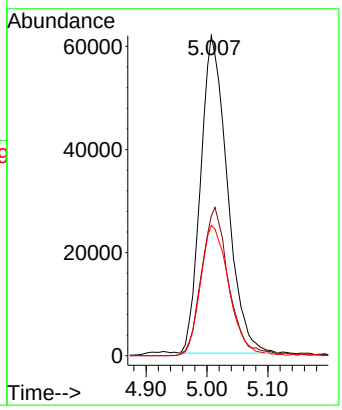


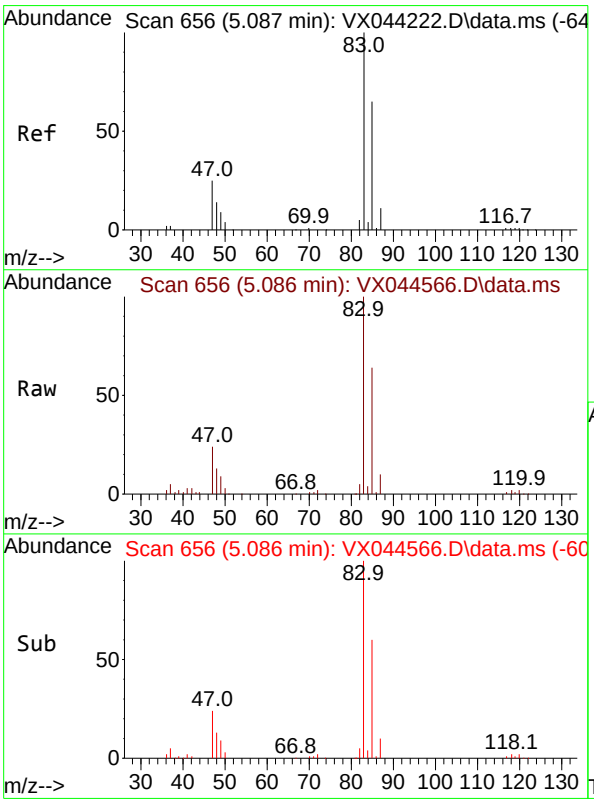
#29
Tetrahydrofuran
Concen: 212.969 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 187403

Ion	Ratio	Lower	Upper
42	100		
72	47.4	37.0	55.6
71	43.8	33.6	50.4

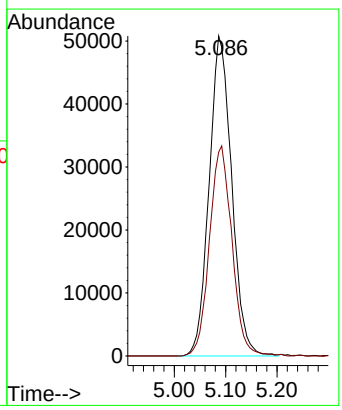


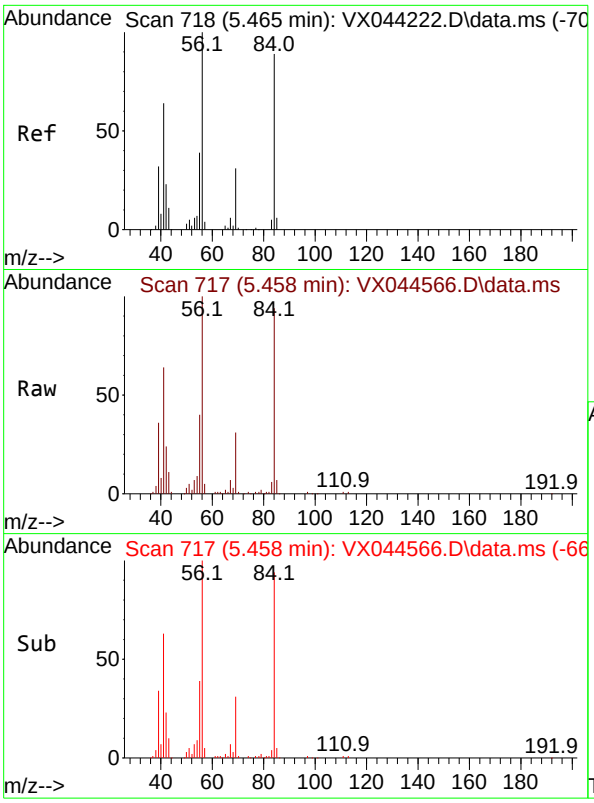


#30
Chloroform
Concen: 43.510 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 83 Resp: 154551

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.6	77.4



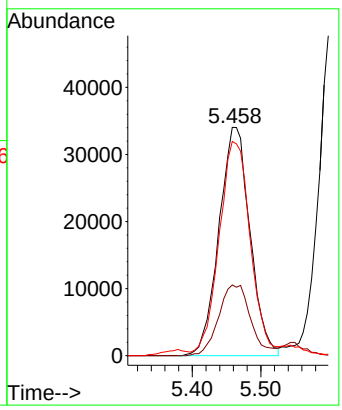


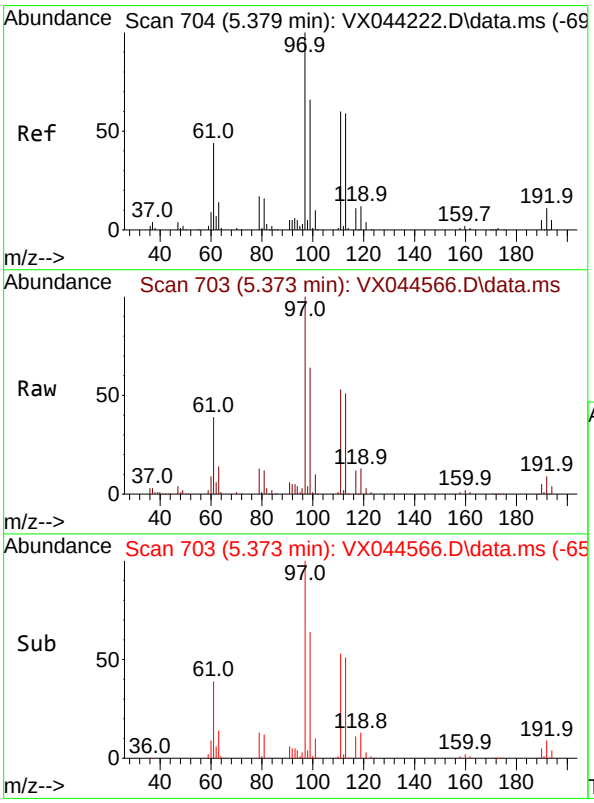
#31
Cyclohexane
Concen: 41.915 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 107006

Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.7	37.1
84	91.1	71.0	106.6

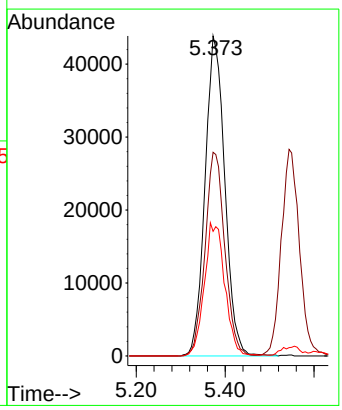


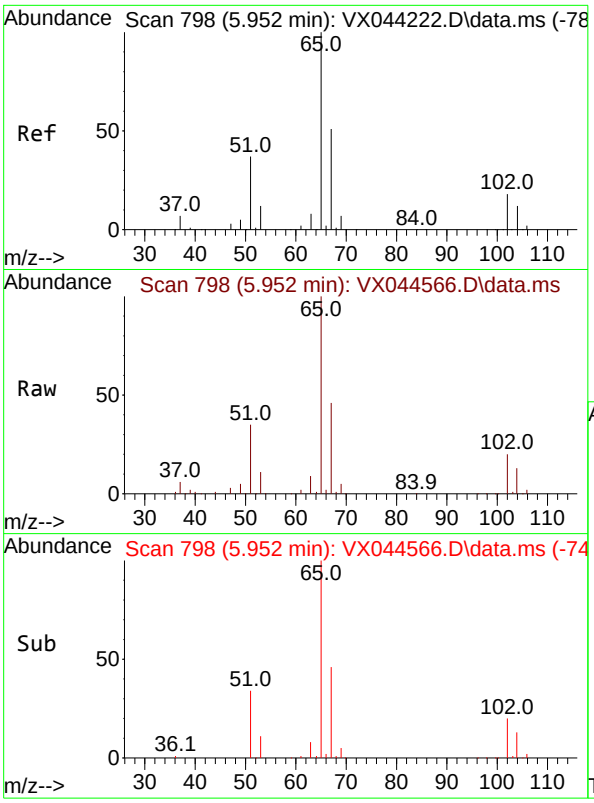


#32
1,1,1-Trichloroethane
Concen: 46.002 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 97 Resp: 135637

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.8	76.2
61	43.3	35.2	52.8



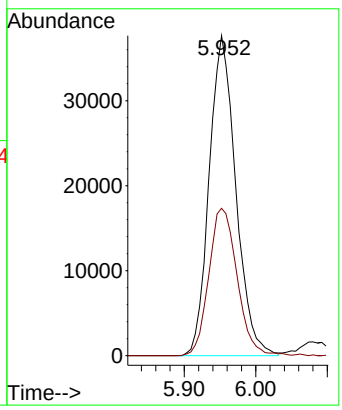


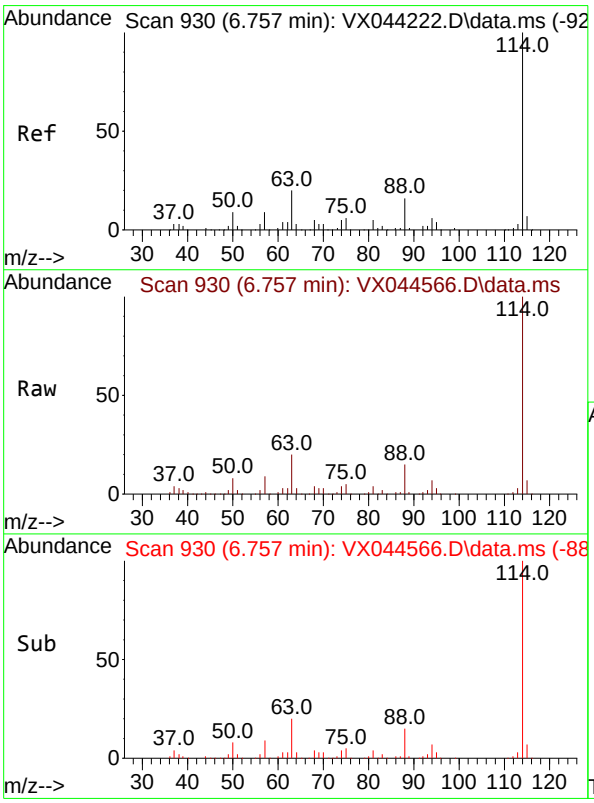
#33
1,2-Dichloroethane-d4
Concen: 41.150 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 97335

Ion	Ratio	Lower	Upper
65	100		
67	49.0	0.0	101.6

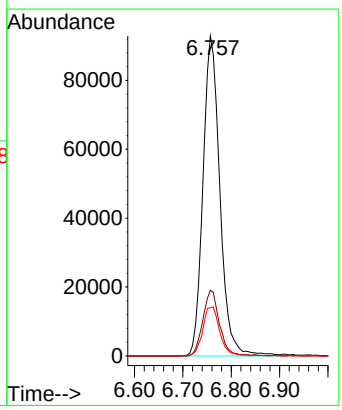


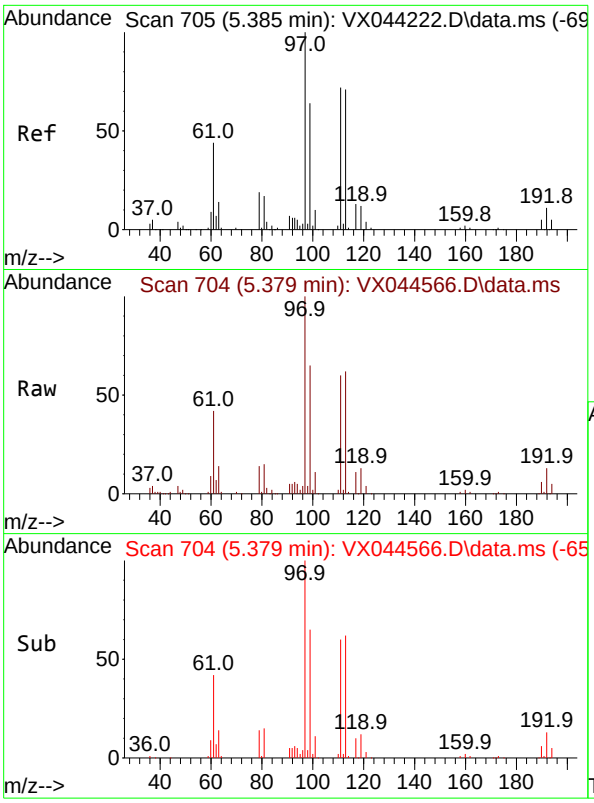


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:114 Resp: 225955

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.6
88	15.0	0.0	31.8



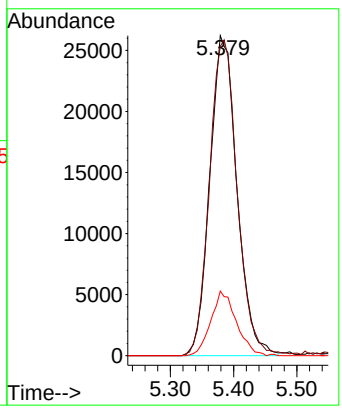


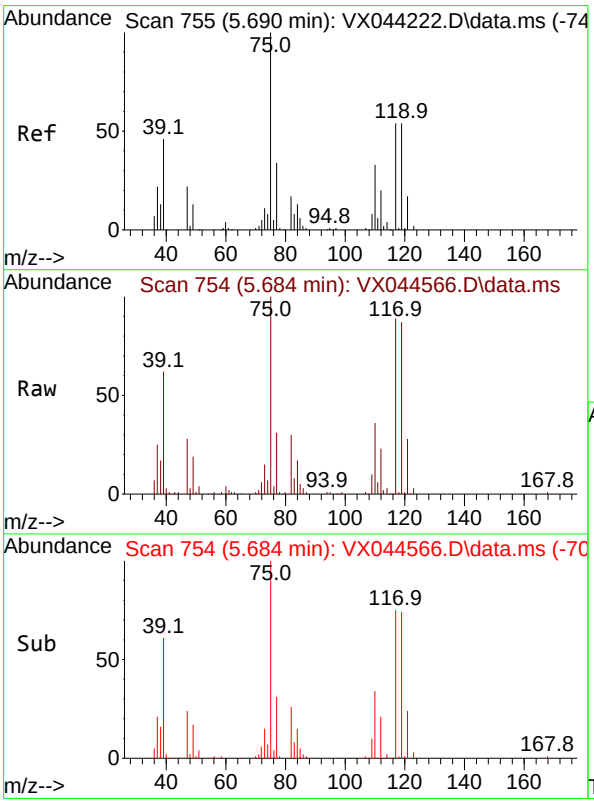
#35
Dibromofluoromethane
Concen: 49.905 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 78099

Ion	Ratio	Lower	Upper
113	100		
111	100.7	80.4	120.6
192	18.9	13.3	19.9

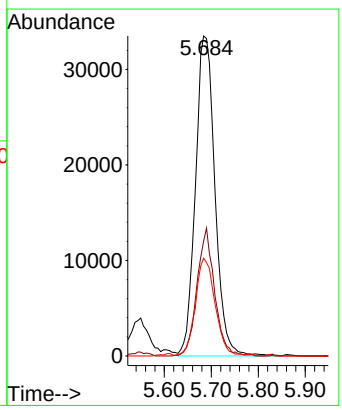


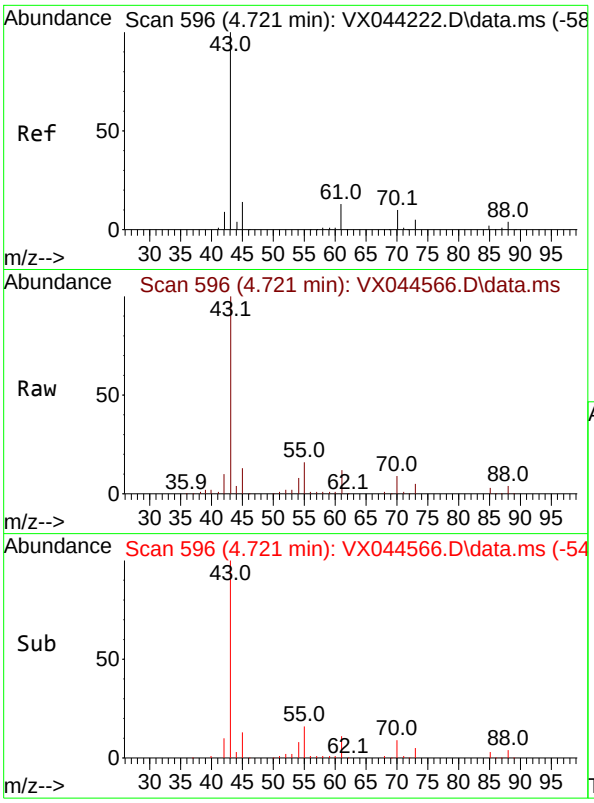


#36
1,1-Dichloropropene
Concen: 47.753 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 75 Resp: 96599

Ion	Ratio	Lower	Upper
75	100		
110	36.1	17.3	51.7
77	31.1	25.4	38.0



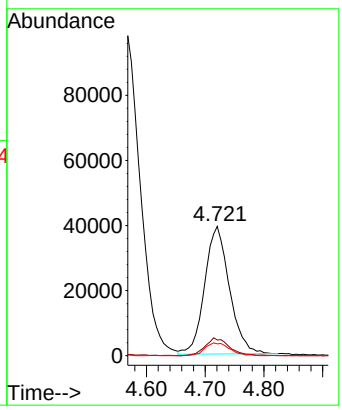


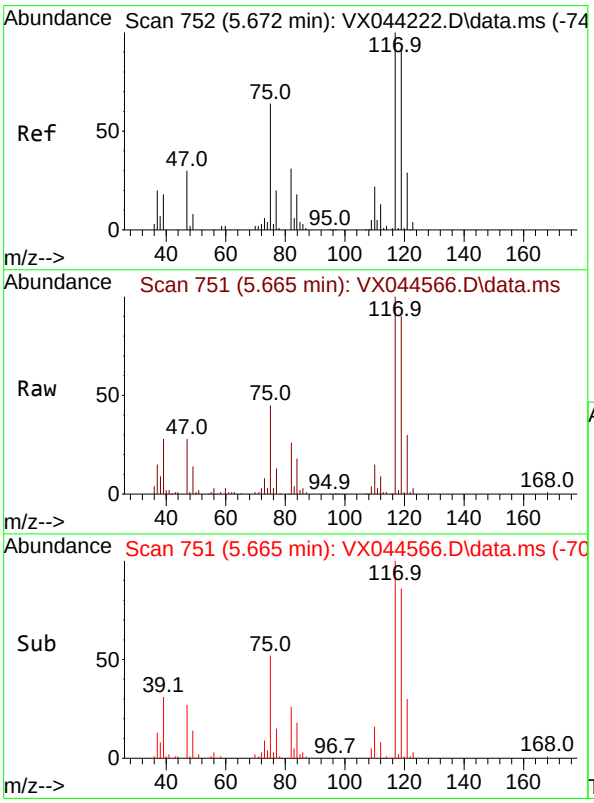
#37
Ethyl Acetate
Concen: 46.024 ug/l
RT: 4.721 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 115086

Ion	Ratio	Lower	Upper
43	100		
61	13.6	9.8	14.8
70	10.0	7.7	11.5

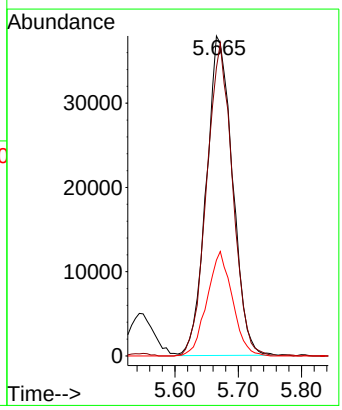


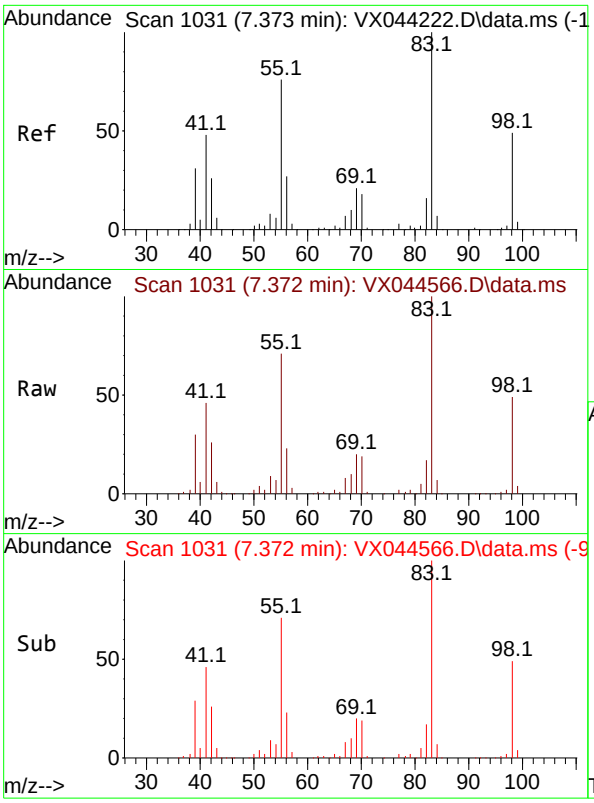


#38
Carbon Tetrachloride
Concen: 50.199 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:117 Resp: 109326

Ion	Ratio	Lower	Upper
117	100		
119	90.1	74.2	111.4
121	30.0	23.0	34.6



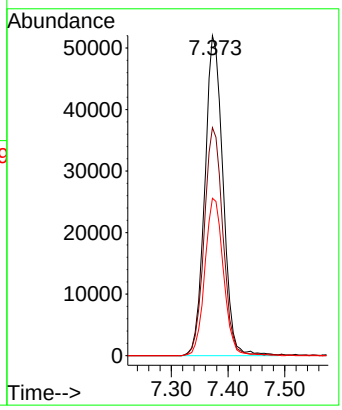


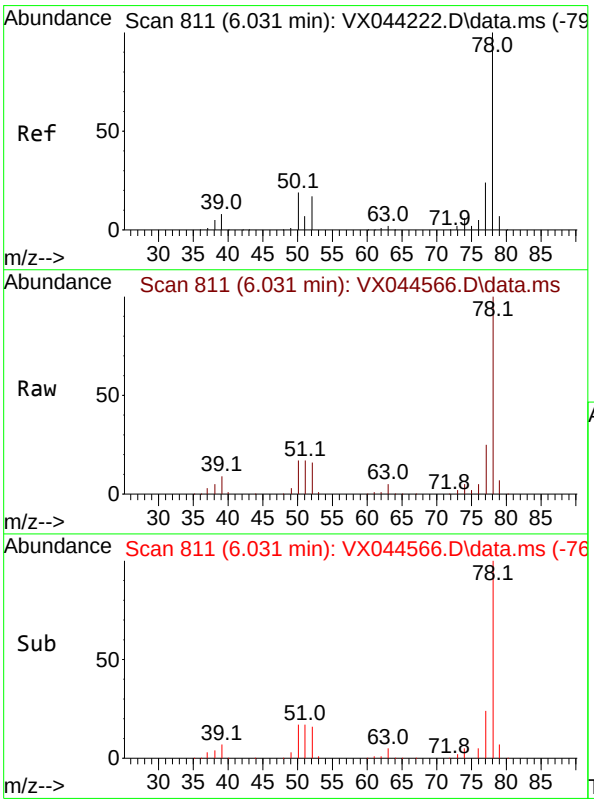
#39
Methylcyclohexane
Concen: 47.948 ug/l
RT: 7.372 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 115954

Ion	Ratio	Lower	Upper
83	100		
55	71.3	60.7	91.1
98	49.2	38.9	58.3

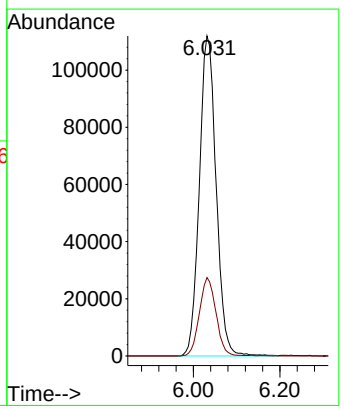


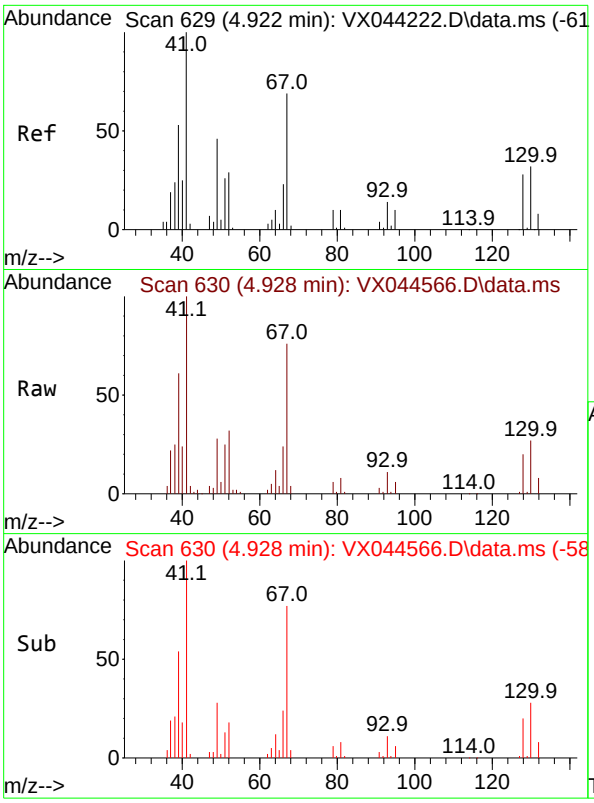


#40
Benzene
Concen: 49.074 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 78 Resp: 301408

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.3	28.9



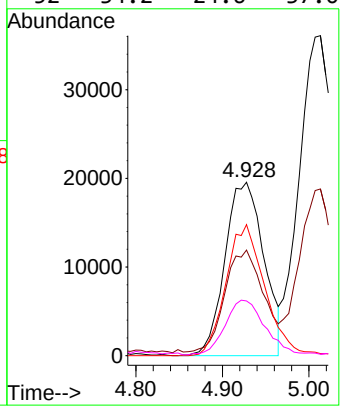


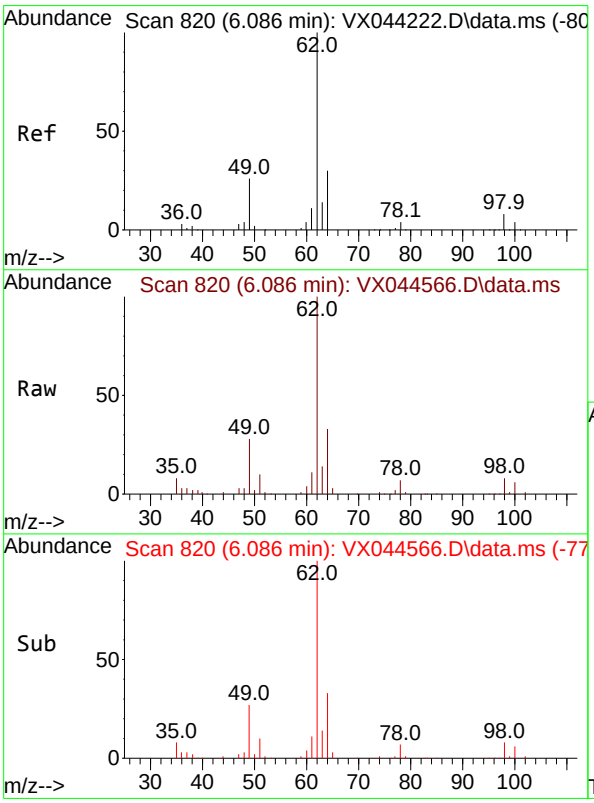
#41
Methacrylonitrile
Concen: 46.035 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 61126

Ion	Ratio	Lower	Upper
41	100		
39	57.9	44.2	66.4
67	76.4	57.2	85.8
52	34.2	24.6	37.0

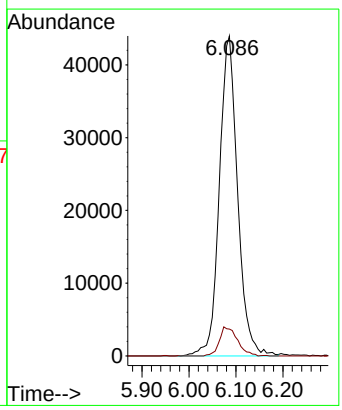


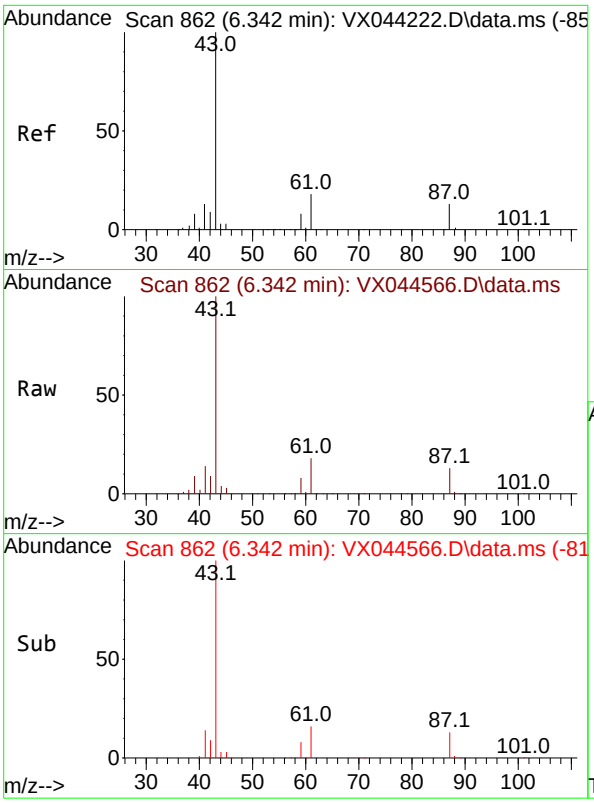


#42
1,2-Dichloroethane
Concen: 46.987 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 62 Resp: 118878

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	15.8



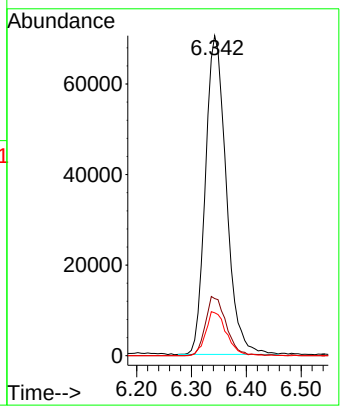


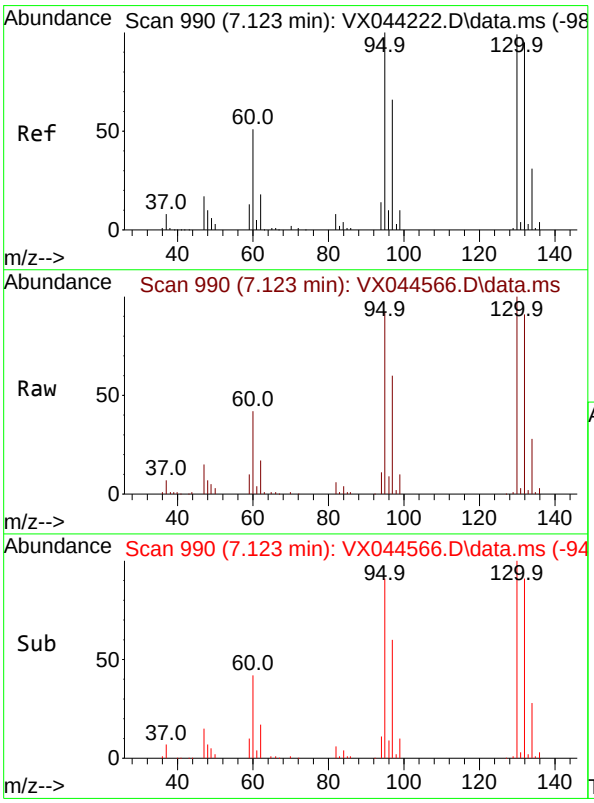
#43
Isopropyl Acetate
Concen: 47.508 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 185677

Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.2	21.2
87	13.9	10.2	15.2

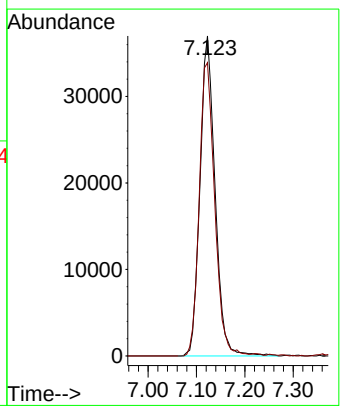


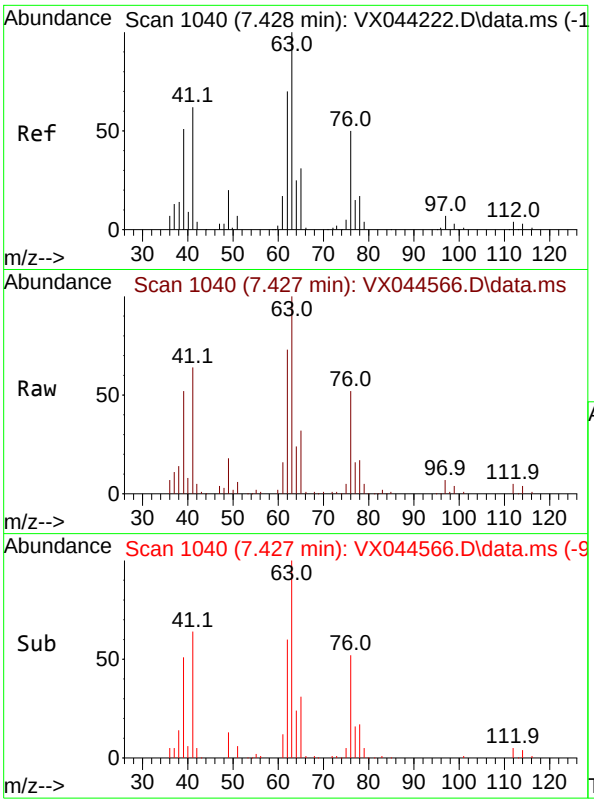


#44
Trichloroethene
Concen: 52.249 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:130 Resp: 80026

Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	201.4



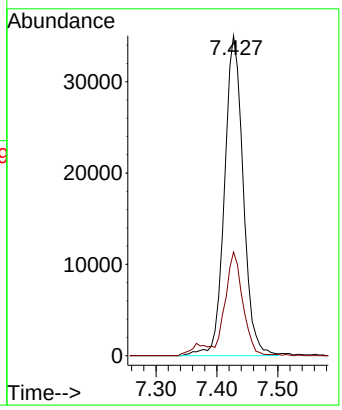


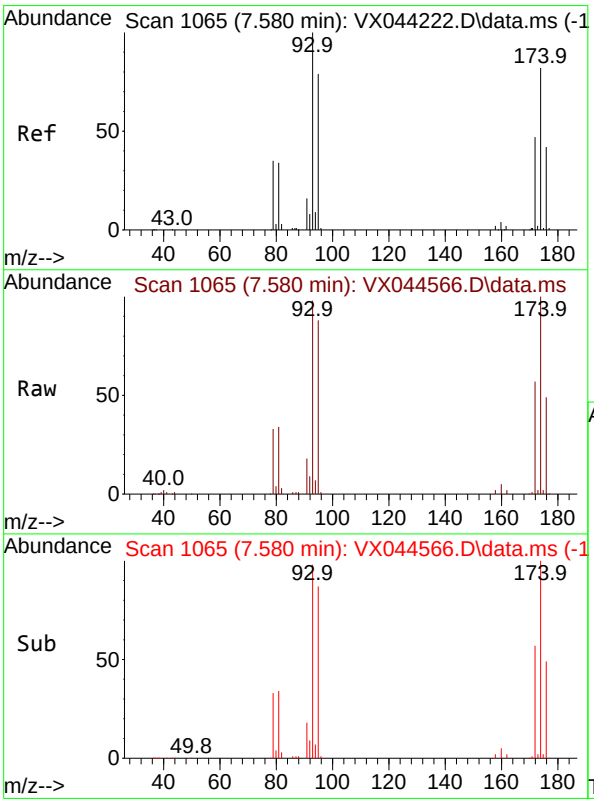
#45
1,2-Dichloropropane
Concen: 47.708 ug/l
RT: 7.427 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 74860

Ion	Ratio	Lower	Upper
63	100		
65	32.4	24.6	37.0

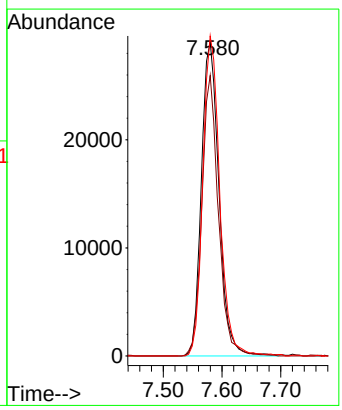


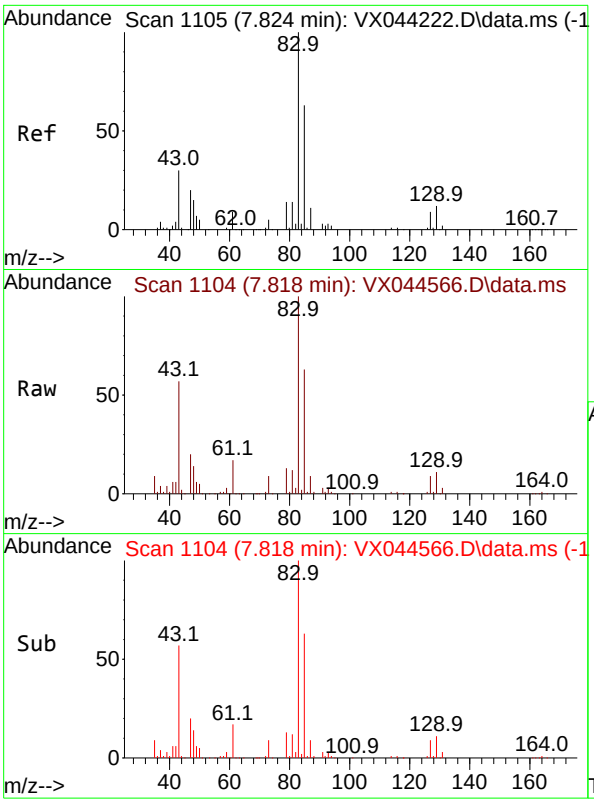


#46
Dibromomethane
Concen: 49.490 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 93 Resp: 60246

Ion	Ratio	Lower	Upper
93	100		
95	84.4	65.4	98.2
174	99.3	67.9	101.9



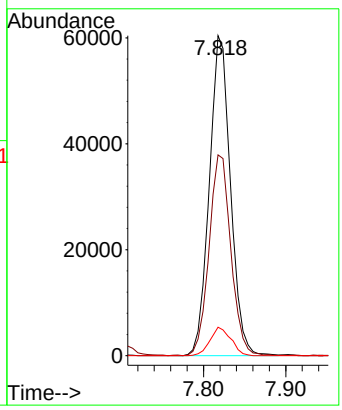


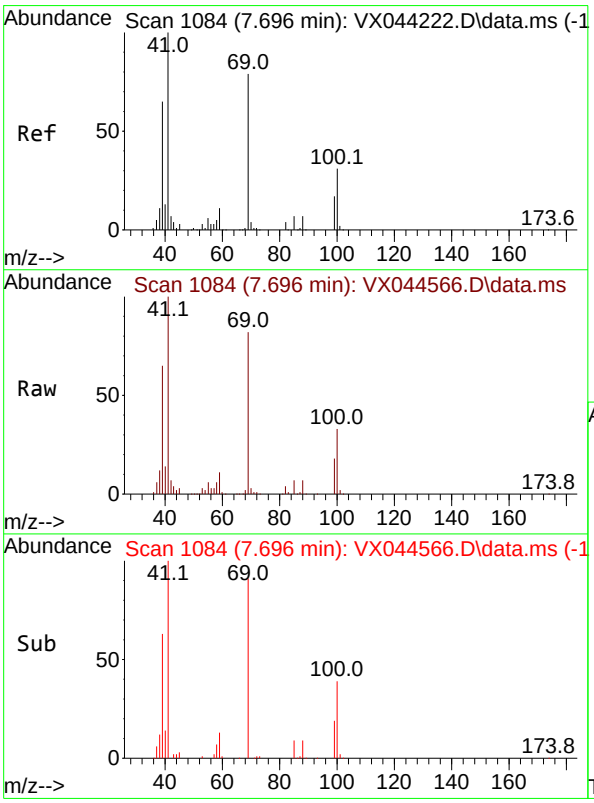
#47
Bromodichloromethane
Concen: 51.396 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 108056

Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.6	75.8
127	8.9	7.3	10.9

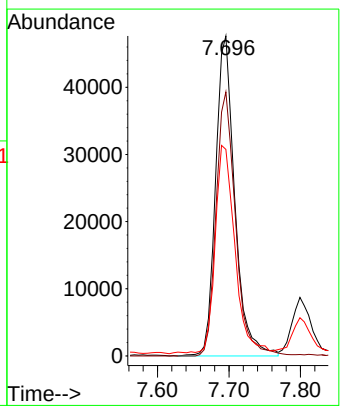


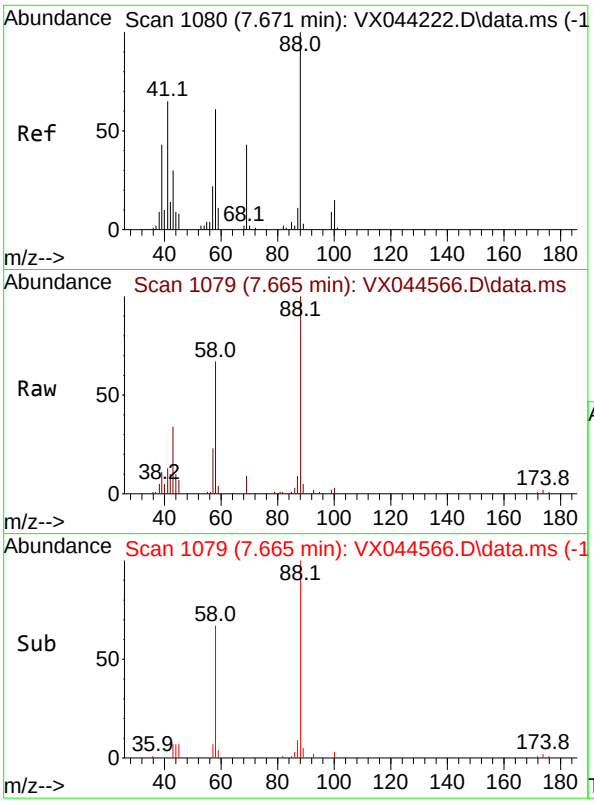


#48
Methyl methacrylate
Concen: 46.878 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 41 Resp: 88938

Ion	Ratio	Lower	Upper
41	100		
69	83.9	62.4	93.6
39	65.9	53.3	79.9



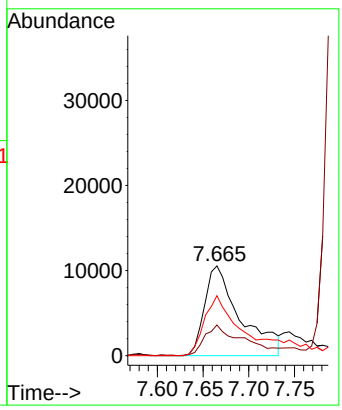


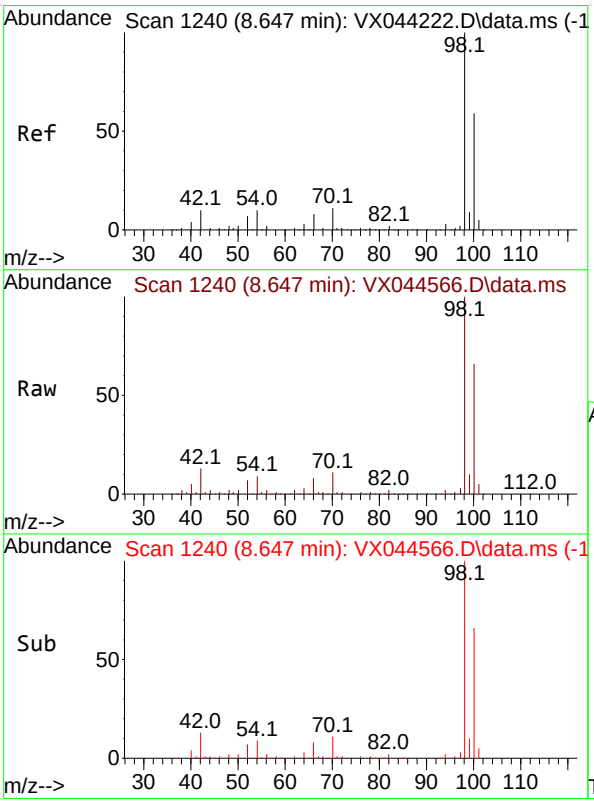
#49
1,4-Dioxane
Concen: 913.462 ug/l
RT: 7.665 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 28733

Ion	Ratio	Lower	Upper
88	100		
43	37.4	27.1	40.7
58	80.2	41.0	61.4#

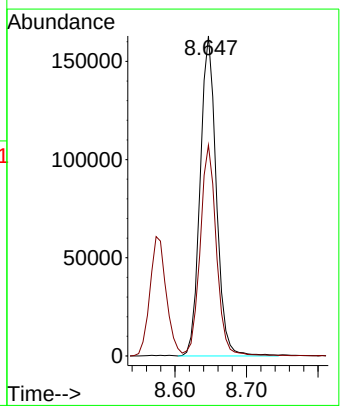


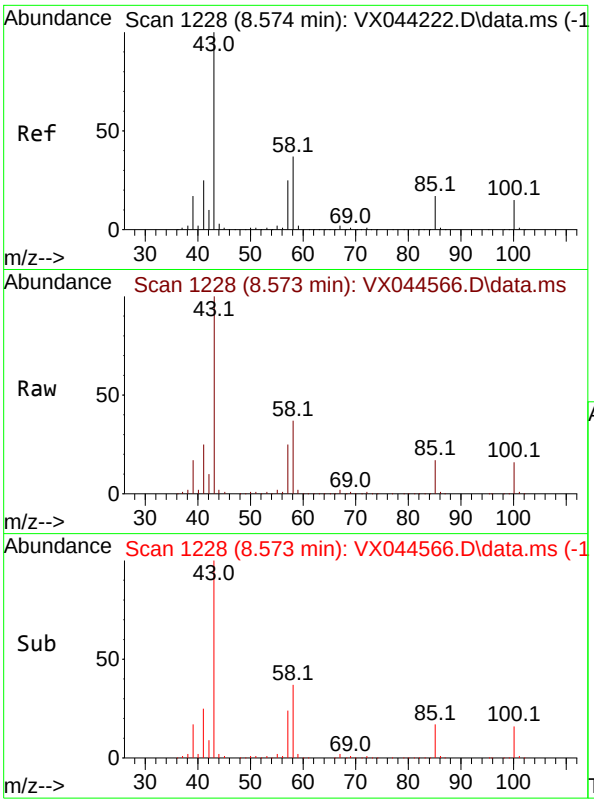


#50
Toluene-d8
Concen: 48.474 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 98 Resp: 255928

Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.5	77.3



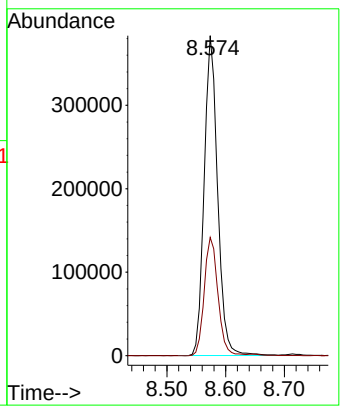


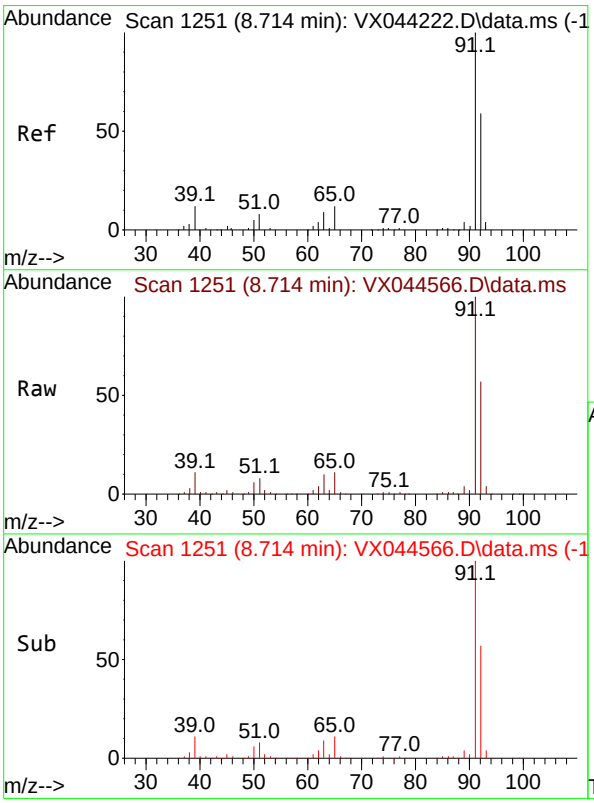
#51
4-Methyl-2-Pentanone
Concen: 242.270 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 608819

Ion	Ratio	Lower	Upper
43	100		
58	37.6	29.4	44.0

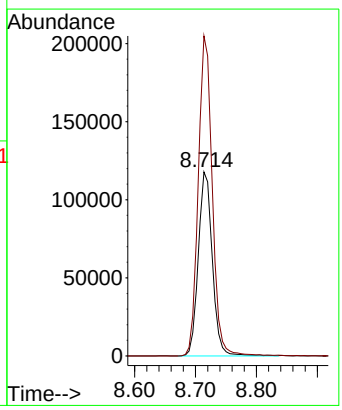


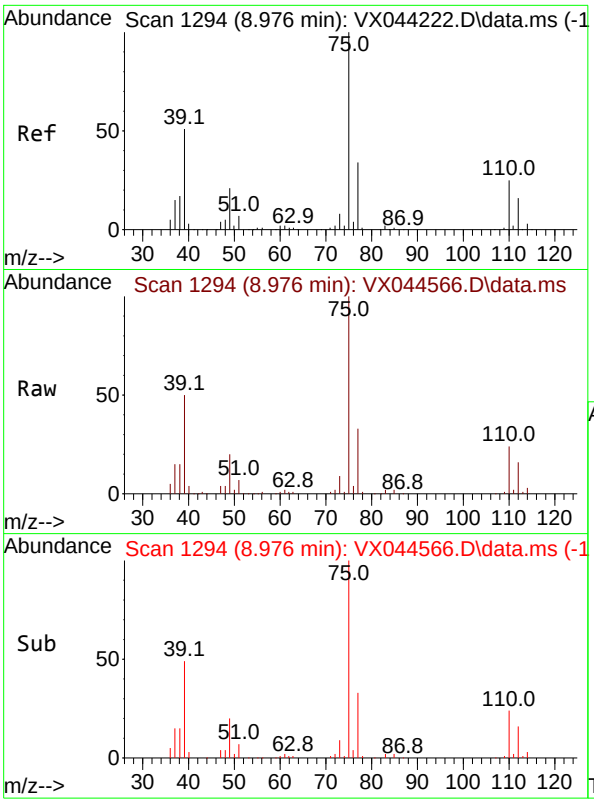


#52
Toluene
Concen: 48.888 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 92 Resp: 188560

Ion	Ratio	Lower	Upper
92	100		
91	173.7	137.0	205.6



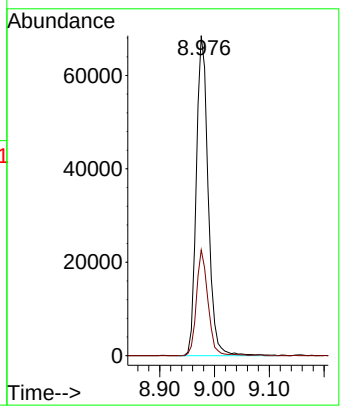


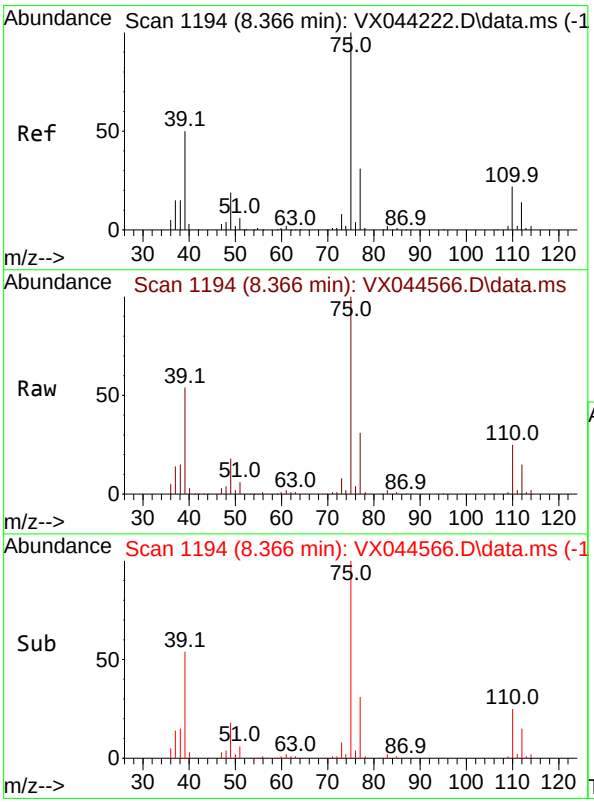
#53
t-1,3-Dichloropropene
Concen: 46.134 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 103525

Ion	Ratio	Lower	Upper
75	100		
77	33.1	27.2	40.8

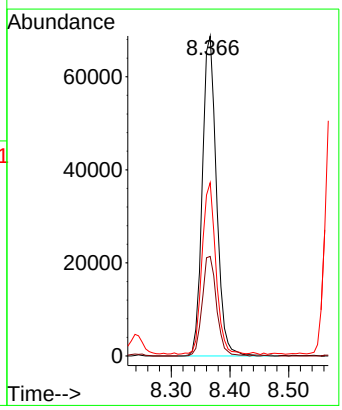


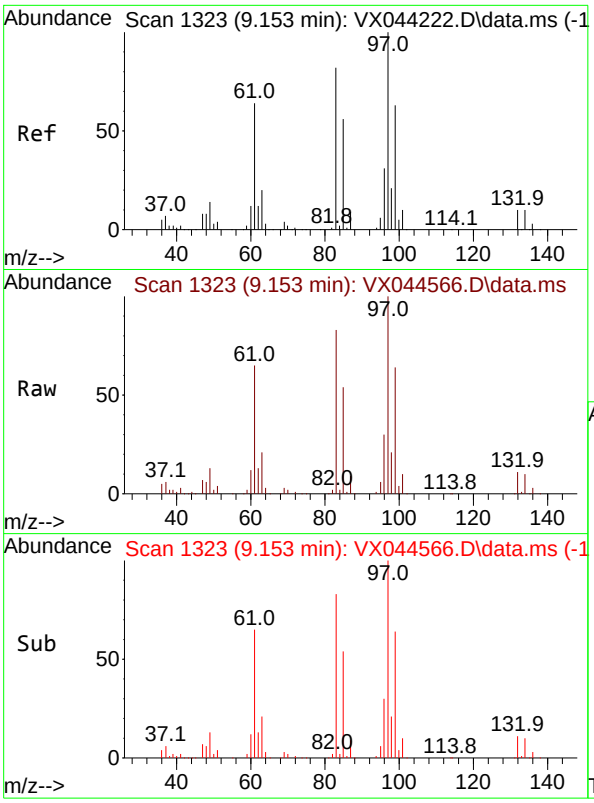


#54
cis-1,3-Dichloropropene
Concen: 50.320 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 75 Resp: 115192

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.7	37.1
39	53.6	40.3	60.5



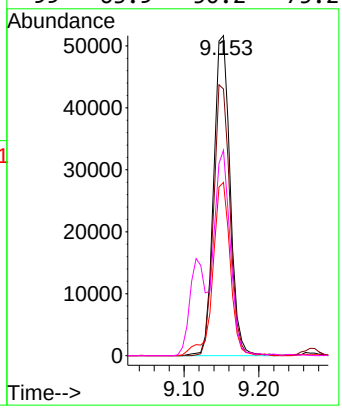


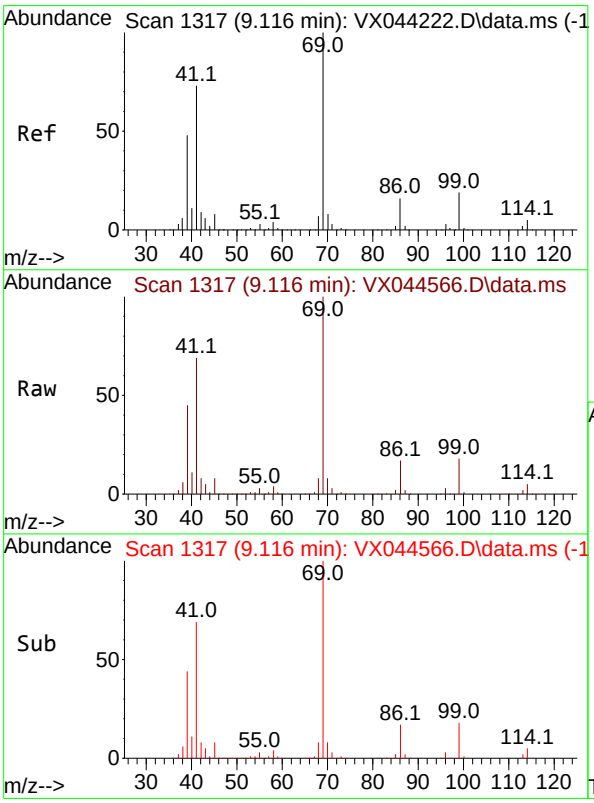
#55
1,1,2-Trichloroethane
Concen: 51.778 ug/l
RT: 9.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 79336

Ion	Ratio	Lower	Upper
97	100		
83	83.4	65.3	97.9
85	54.2	44.6	67.0
99	63.9	50.2	75.2

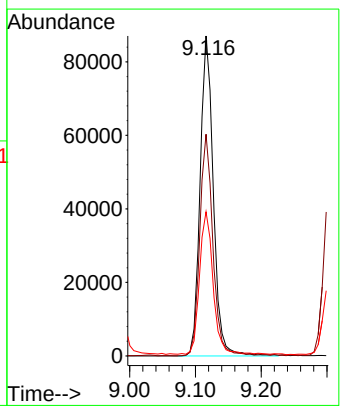


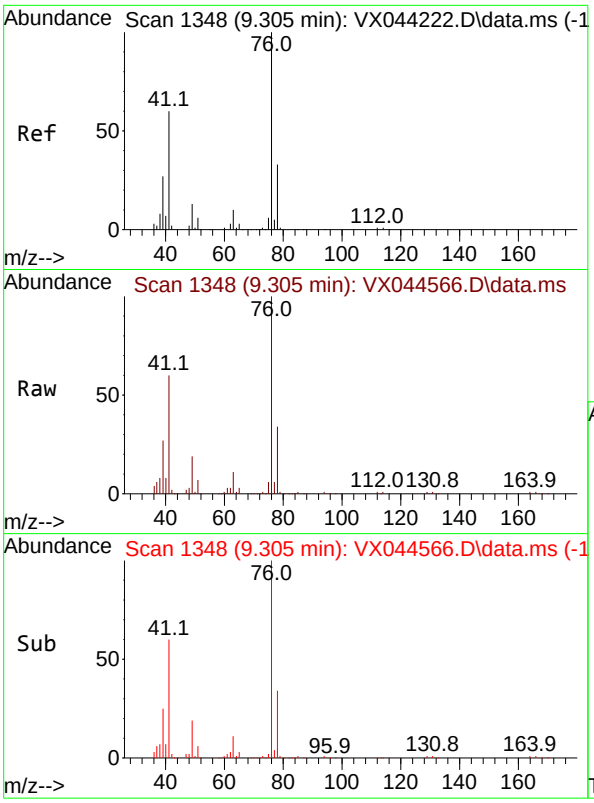


#56
Ethyl methacrylate
Concen: 50.372 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 69 Resp: 121845

Ion	Ratio	Lower	Upper
69	100		
41	68.8	56.6	85.0
39	45.6	37.4	56.0



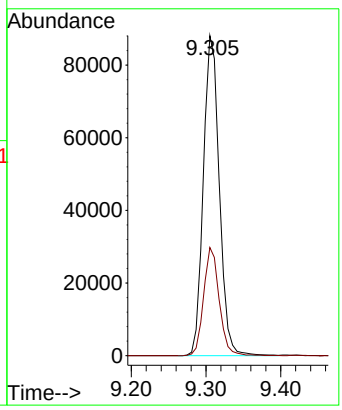


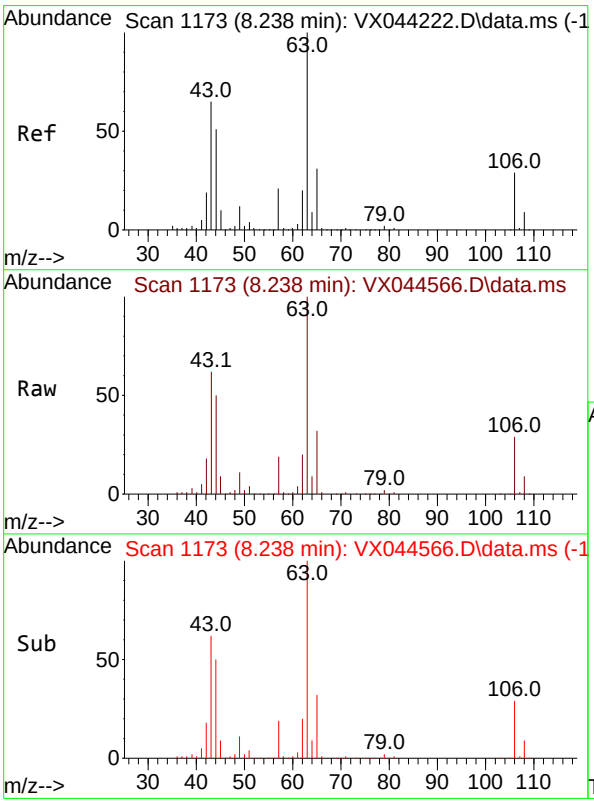
#57
1,3-Dichloropropane
Concen: 49.051 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 130819

Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.5	39.7

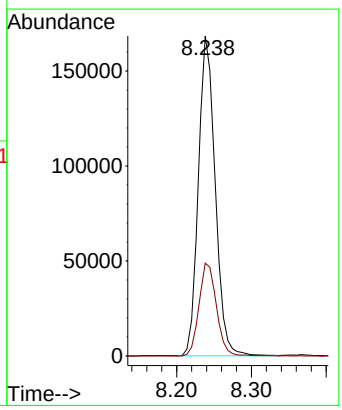


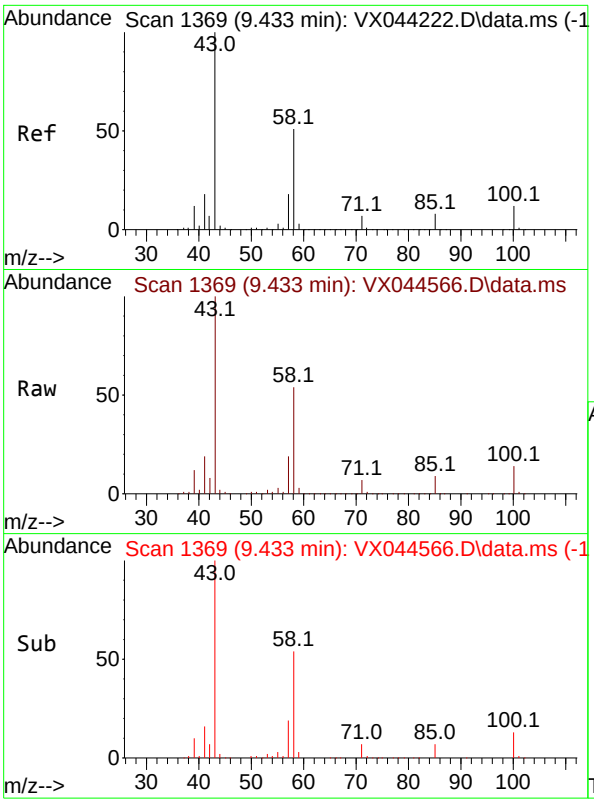


#58
2-Chloroethyl Vinyl ether
Concen: 215.466 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 63 Resp: 262876

Ion	Ratio	Lower	Upper
63	100		
106	30.0	22.8	34.2



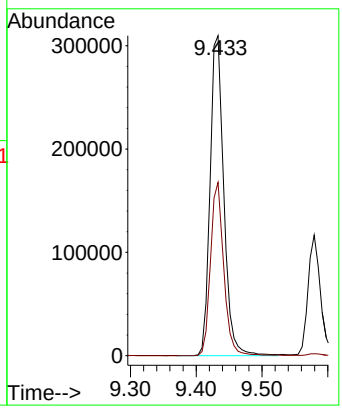


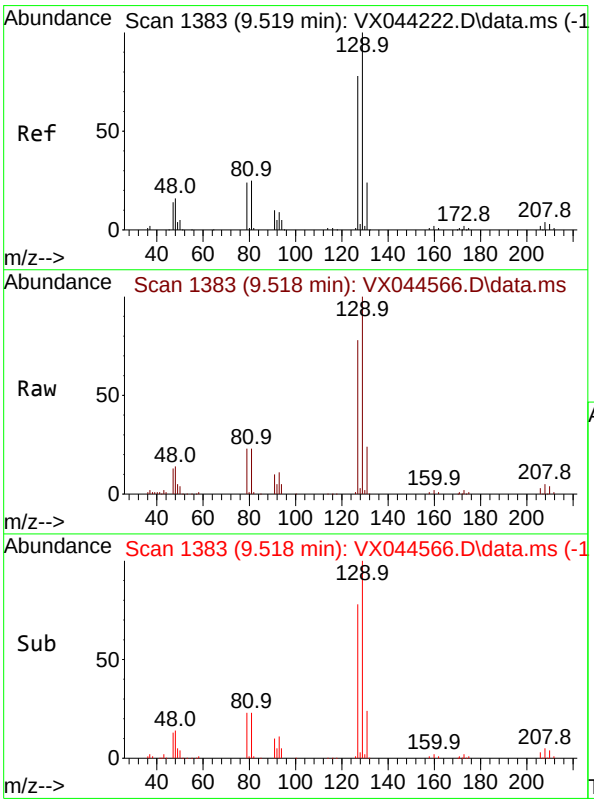
#59
2-Hexanone
Concen: 247.299 ug/l
RT: 9.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 449825

Ion	Ratio	Lower	Upper
43	100		
58	52.5	25.7	77.0

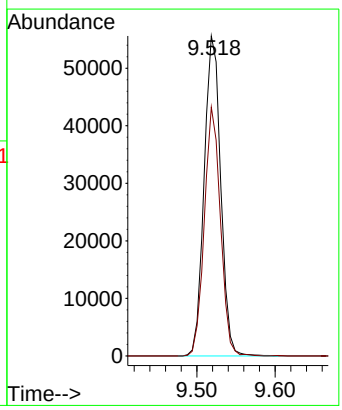


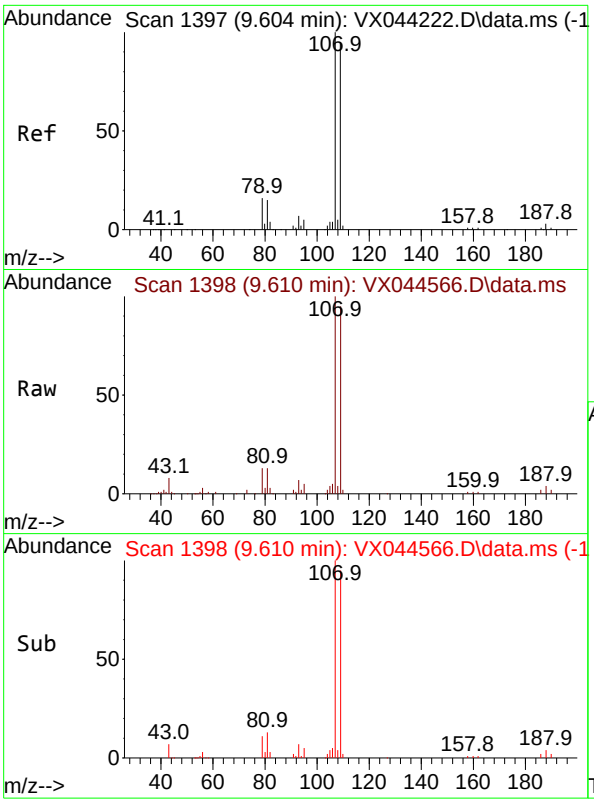


#60
Dibromochloromethane
Concen: 50.226 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:129 Resp: 81525

Ion	Ratio	Lower	Upper
129	100		
127	75.6	38.5	115.3



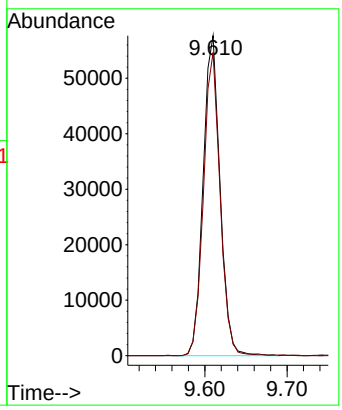


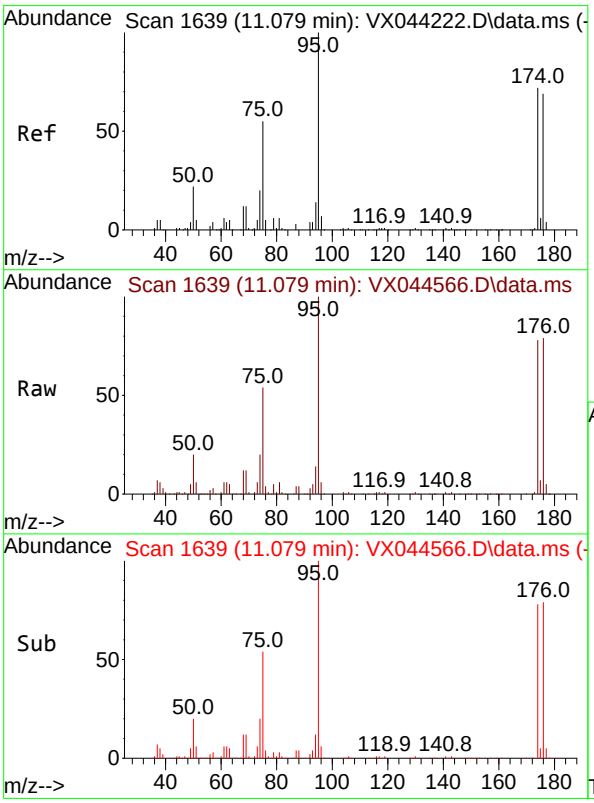
#61
1,2-Dibromoethane
Concen: 52.792 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 82337

Ion	Ratio	Lower	Upper
107	100		
109	93.5	77.0	115.4

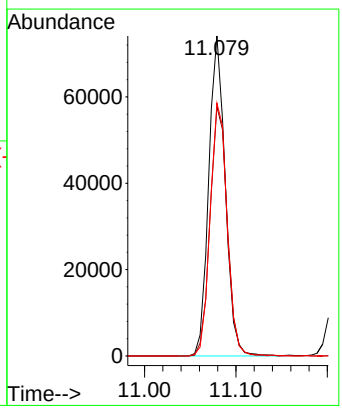


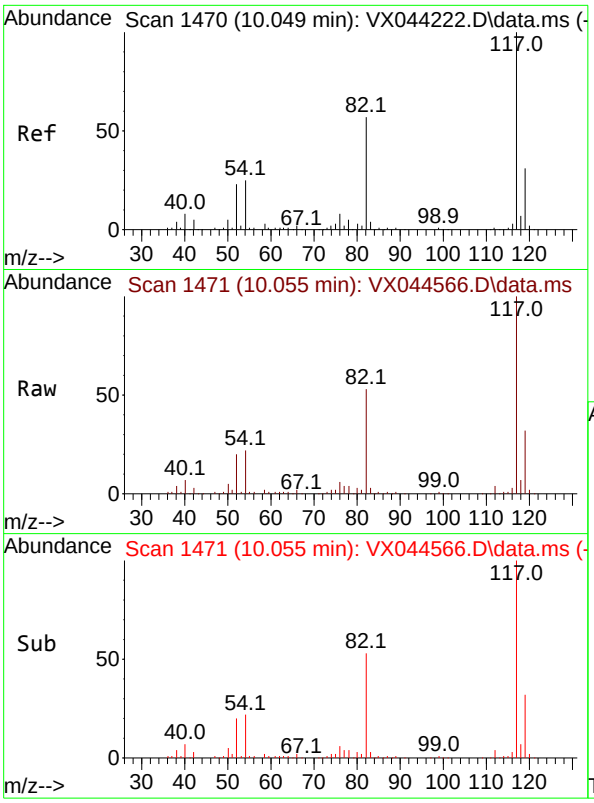


#62
4-Bromofluorobenzene
Concen: 50.190 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 95 Resp: 92593

Ion	Ratio	Lower	Upper
95	100		
174	81.3	0.0	145.8
176	81.2	0.0	137.8



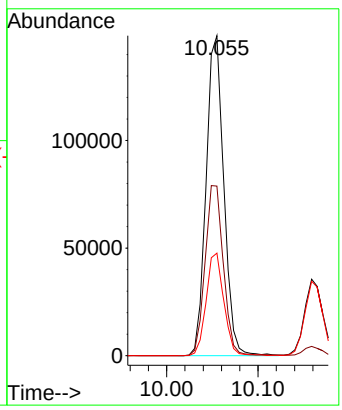


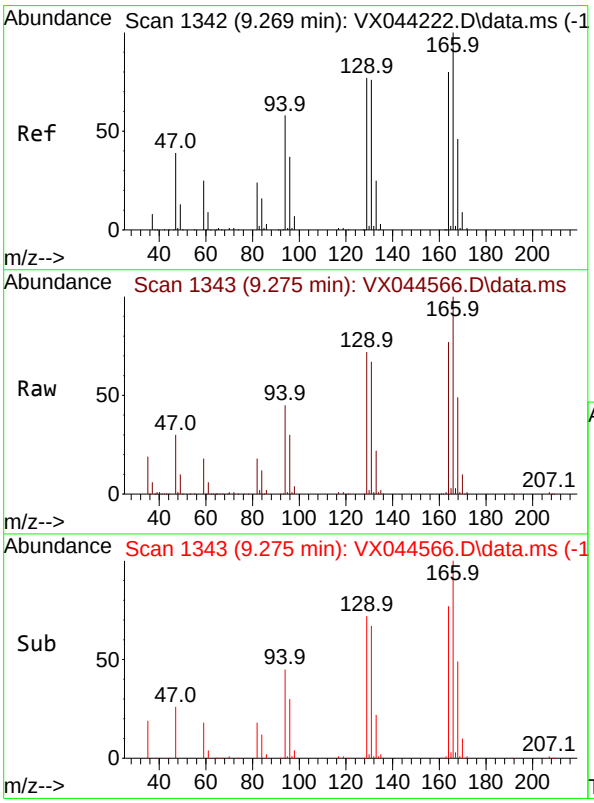
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 199687

Ion	Ratio	Lower	Upper
117	100		
82	53.0	45.8	68.8
119	32.0	25.0	37.4

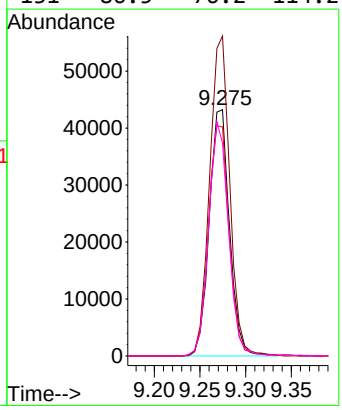


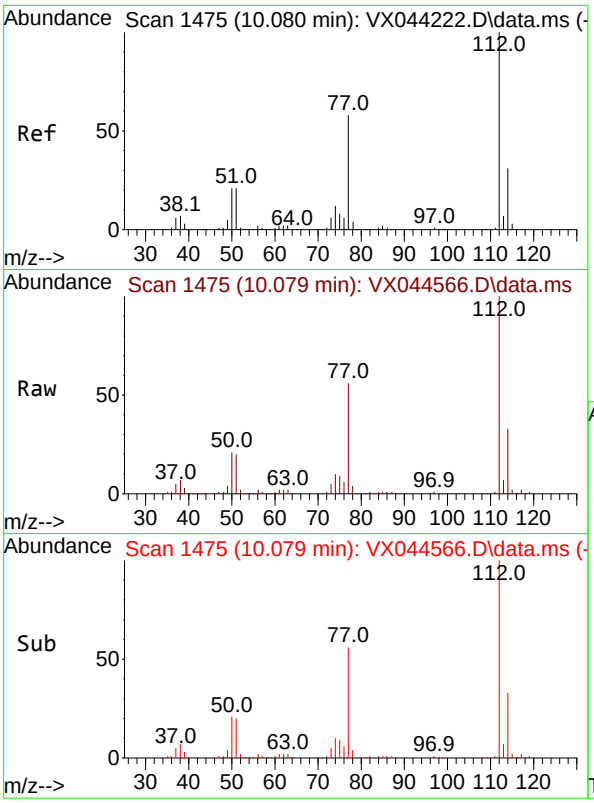


#64
Tetrachloroethene
Concen: 50.030 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:164 Resp: 66308

Ion	Ratio	Lower	Upper
164	100		
166	130.0	100.4	150.6
129	93.0	77.2	115.8
131	86.5	76.2	114.2



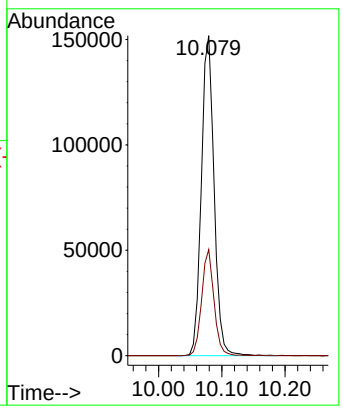


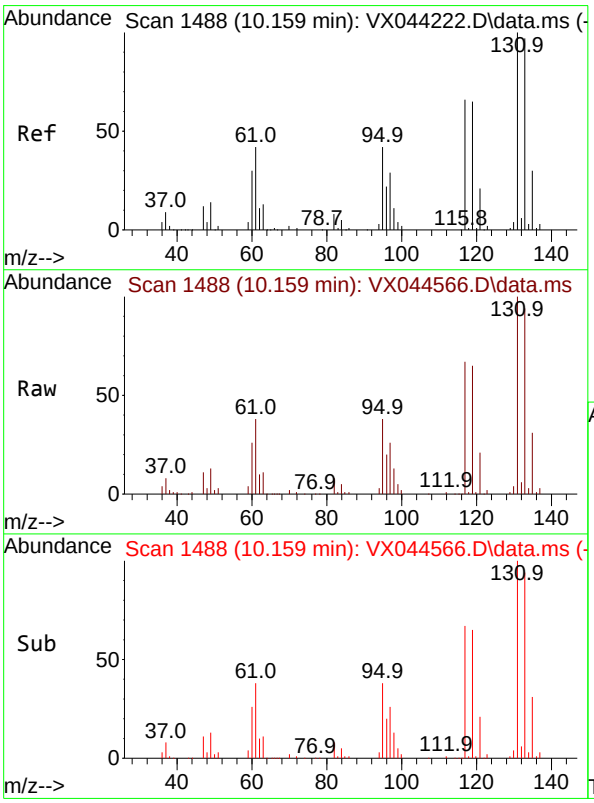
#65
Chlorobenzene
Concen: 49.789 ug/l
RT: 10.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 213039

Ion	Ratio	Lower	Upper
112	100		
114	33.2	25.0	37.6

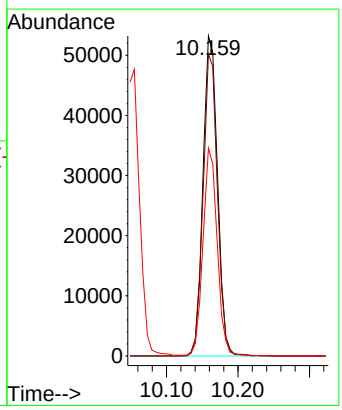


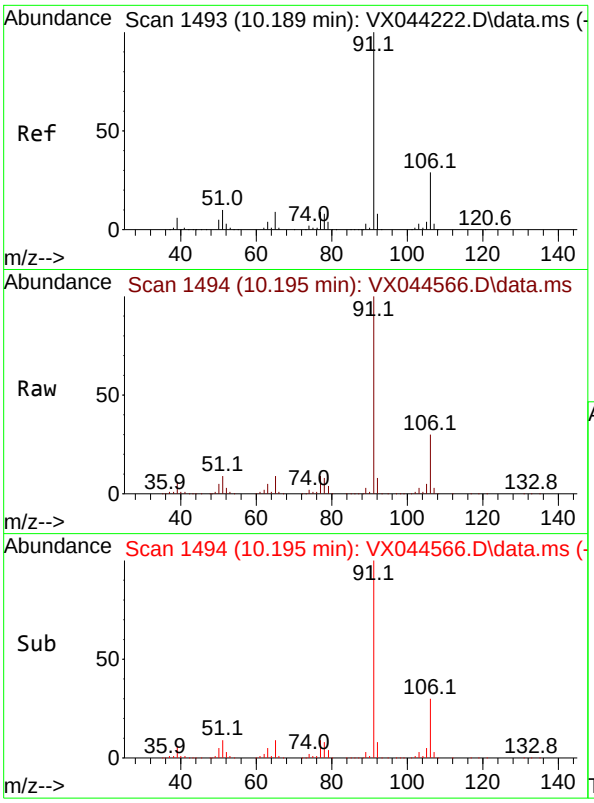


#66
1,1,1,2-Tetrachloroethane
Concen: 54.563 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:131 Resp: 75033

Ion	Ratio	Lower	Upper
131	100		
133	93.5	47.3	141.8
119	63.7	31.6	95.0



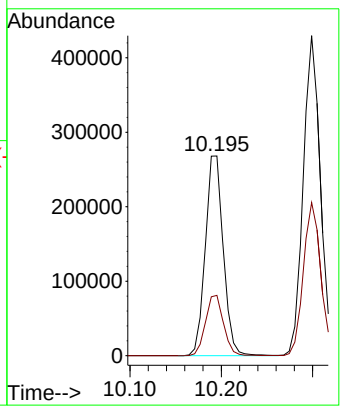


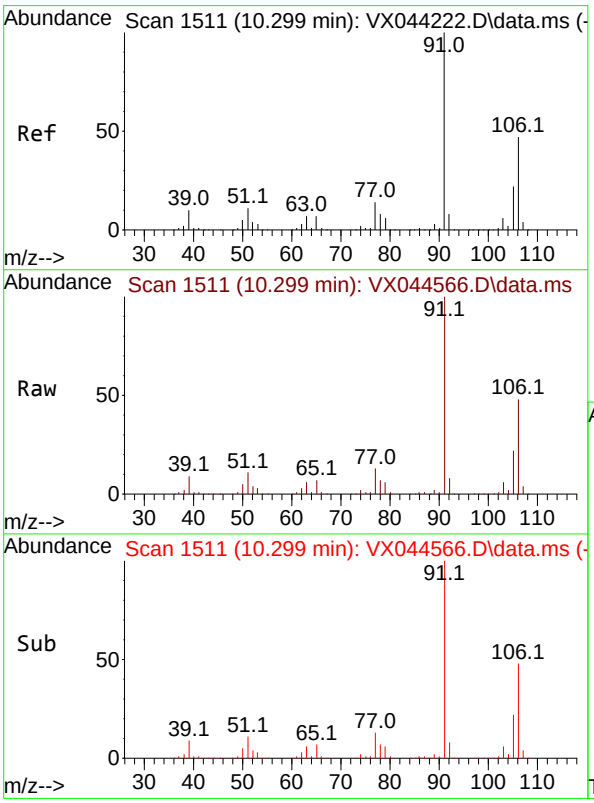
#67
Ethyl Benzene
Concen: 49.429 ug/l
RT: 10.195 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 365437

Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.5	35.3

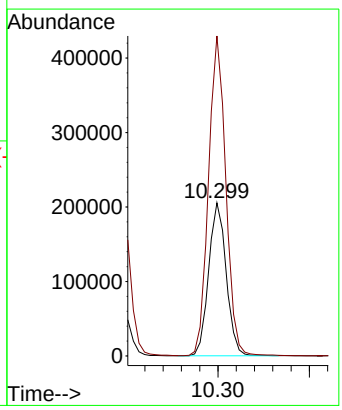


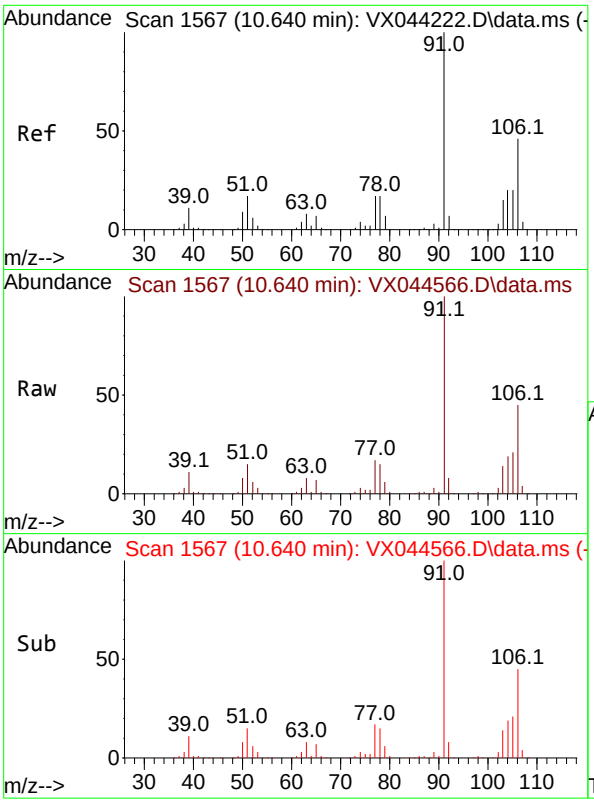


#68
m/p-Xylenes
Concen: 100.832 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:106 Resp: 273541

Ion	Ratio	Lower	Upper
106	100		
91	206.2	170.2	255.2



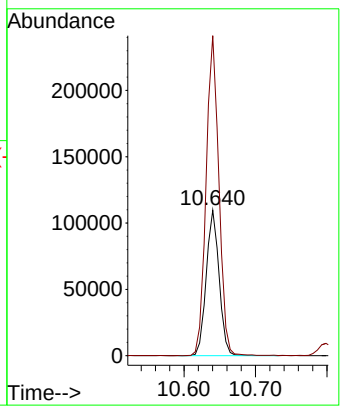


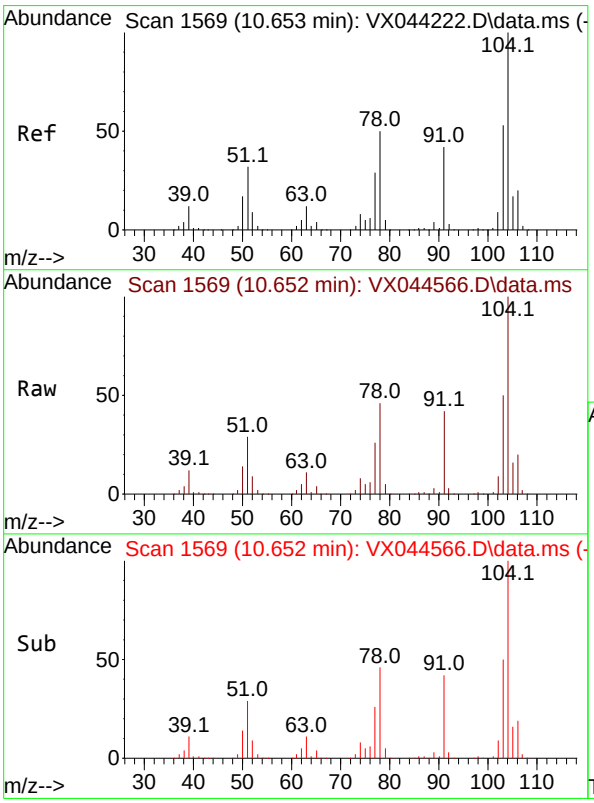
#69
o-Xylene
Concen: 49.993 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 137223

Ion	Ratio	Lower	Upper
106	100		
91	218.4	112.3	337.0

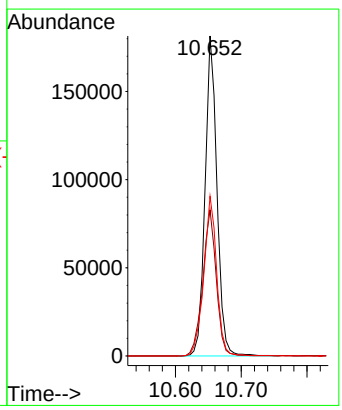


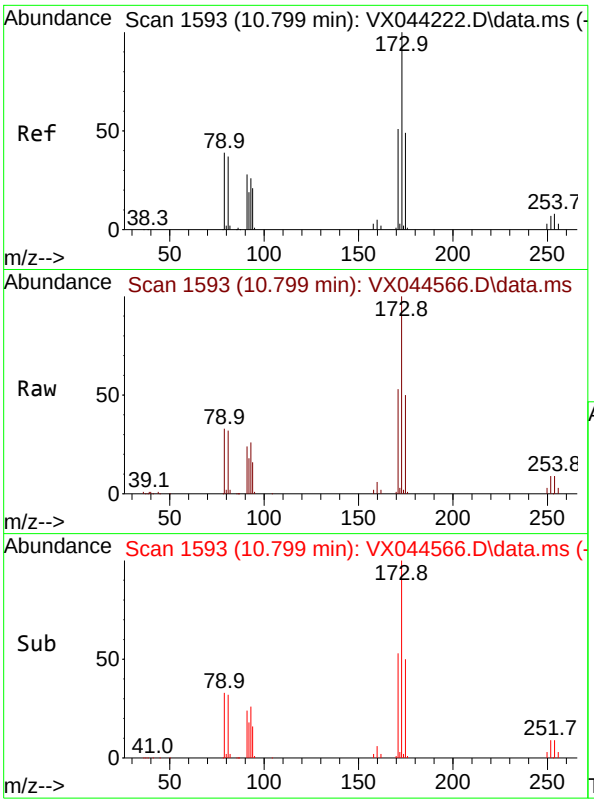


#70
Styrene
Concen: 52.025 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:104 Resp: 228924

Ion	Ratio	Lower	Upper
104	100		
78	51.8	44.6	67.0
103	54.1	45.4	68.0



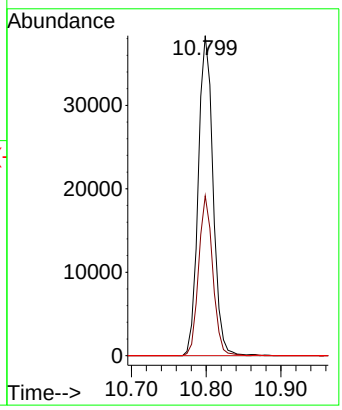


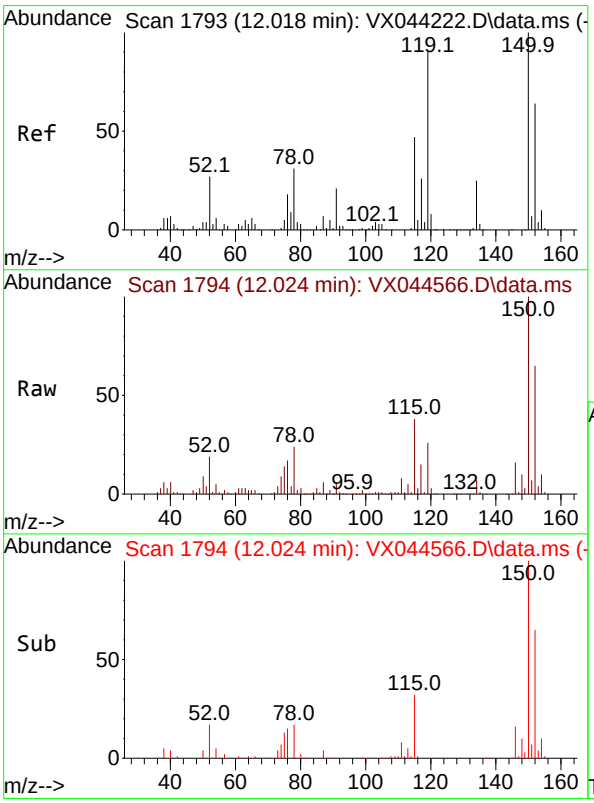
#71
Bromoform
Concen: 54.252 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 52709

Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.8	71.4
254	0.0	0.0	0.0

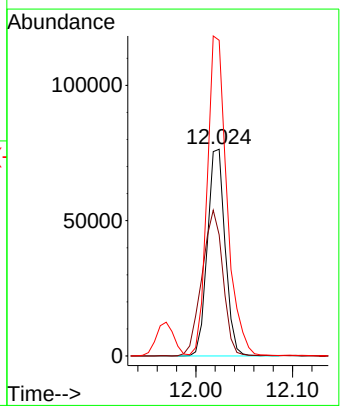


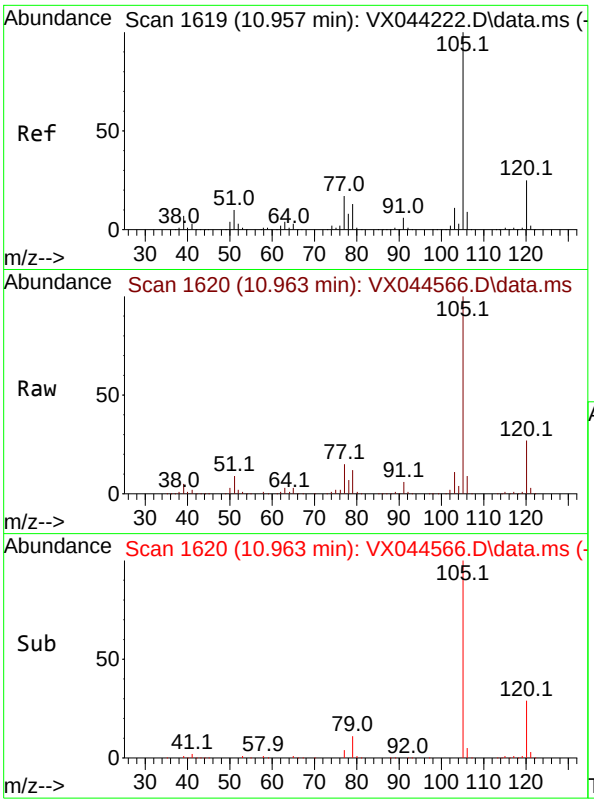


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:152 Resp: 97406

Ion	Ratio	Lower	Upper
152	100		
115	83.5	44.5	133.3
150	171.6	0.0	353.8



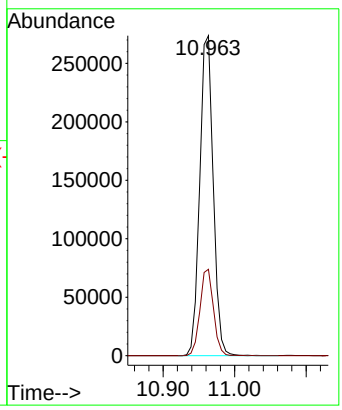


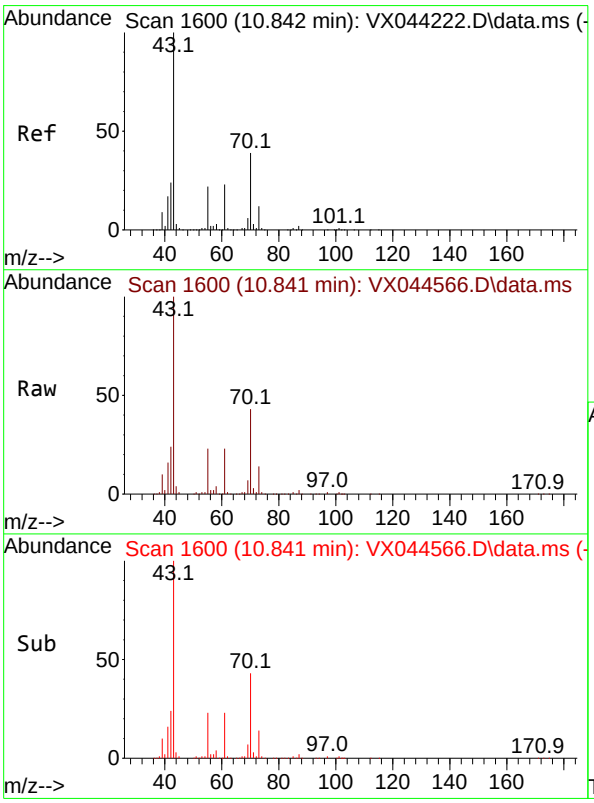
#73
Isopropylbenzene
Concen: 48.065 ug/l
RT: 10.963 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 358412

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.1	39.3

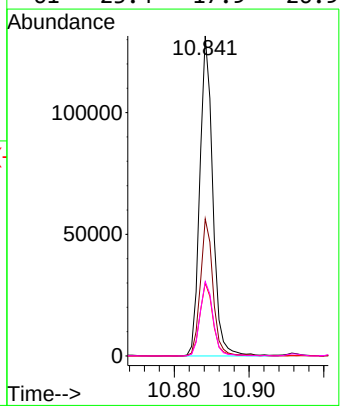


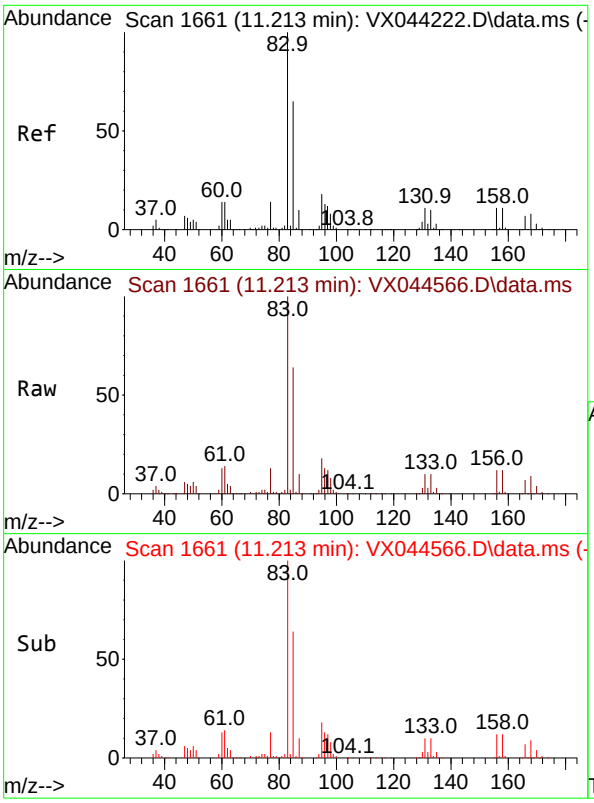


#74
N-amyl acetate
Concen: 45.983 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 43 Resp: 158466

Ion	Ratio	Lower	Upper
43	100		
70	41.7	31.9	47.9
55	23.4	17.9	26.9
61	23.4	17.9	26.9



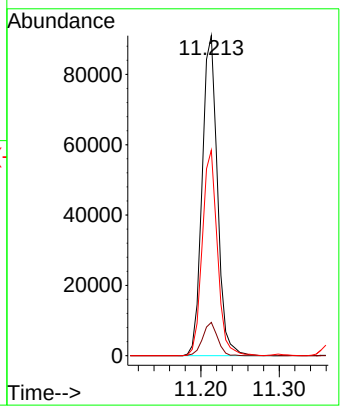


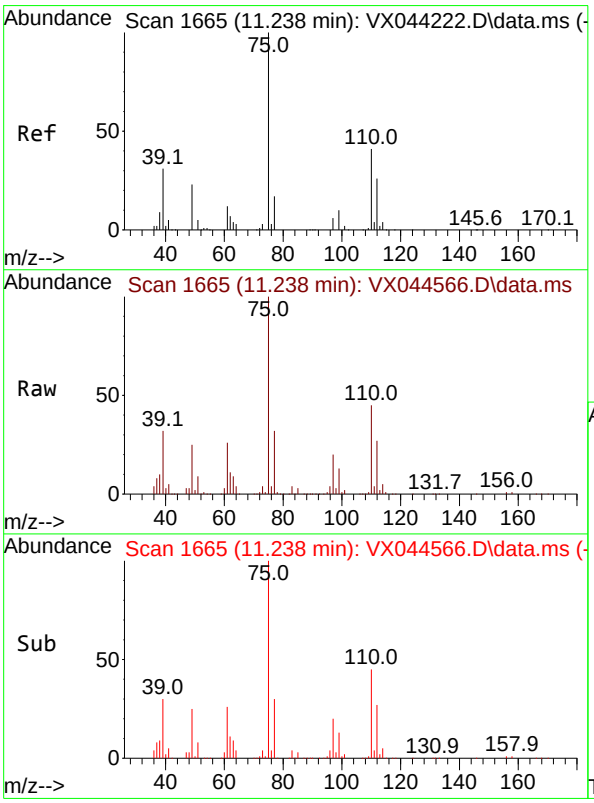
#75
1,1,2,2-Tetrachloroethane
Concen: 47.507 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 123043

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.4
85	63.7	32.5	97.4

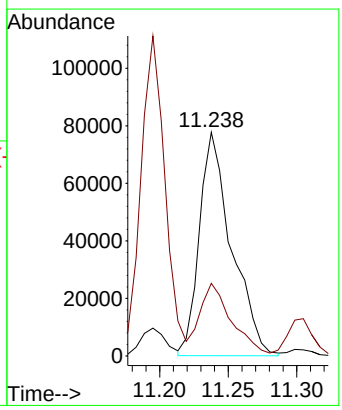


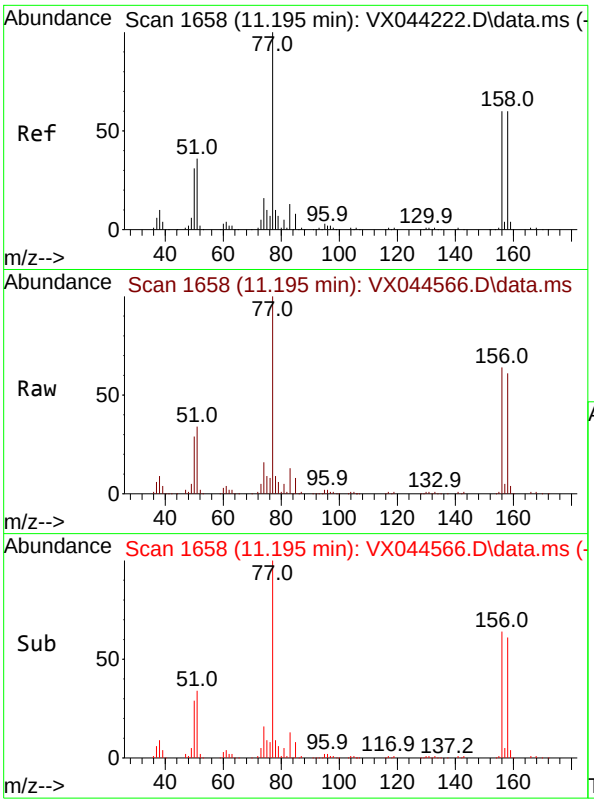


#76
1,2,3-Trichloropropane
Concen: 58.556 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 75 Resp: 127350

Ion	Ratio	Lower	Upper
75	100		
77	32.2	20.9	62.7



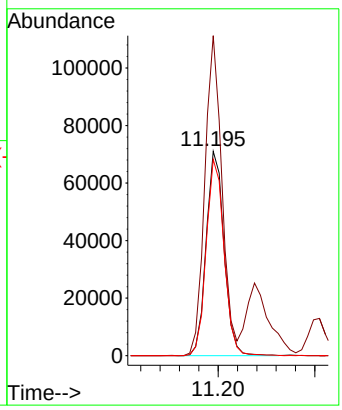


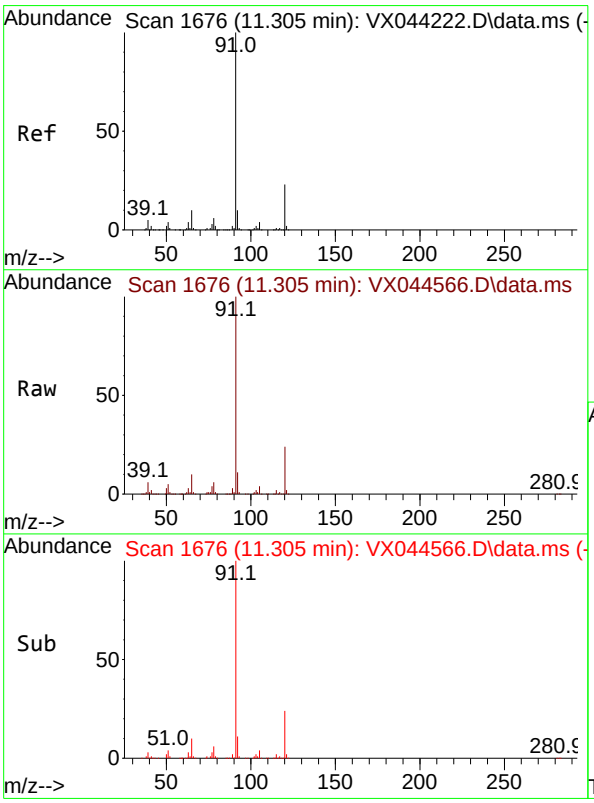
#77
Bromobenzene
Concen: 50.361 ug/l
RT: 11.195 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 91064

Ion	Ratio	Lower	Upper
156	100		
77	150.4	82.6	247.8
158	96.3	48.8	146.4

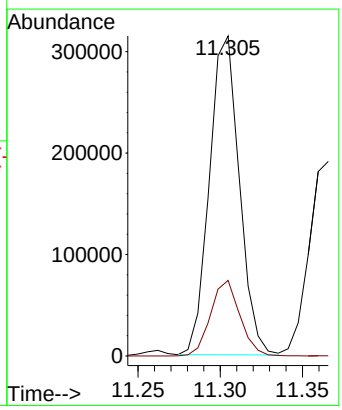


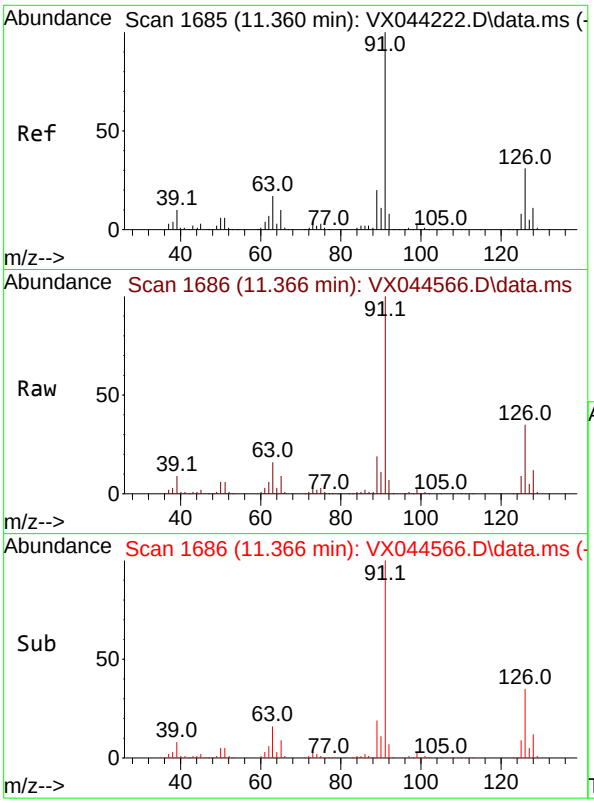


#78
n-propylbenzene
Concen: 48.380 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 91 Resp: 398738

Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.0	33.0



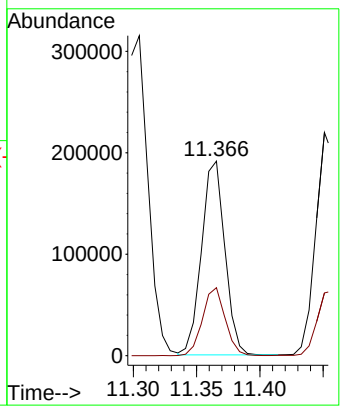


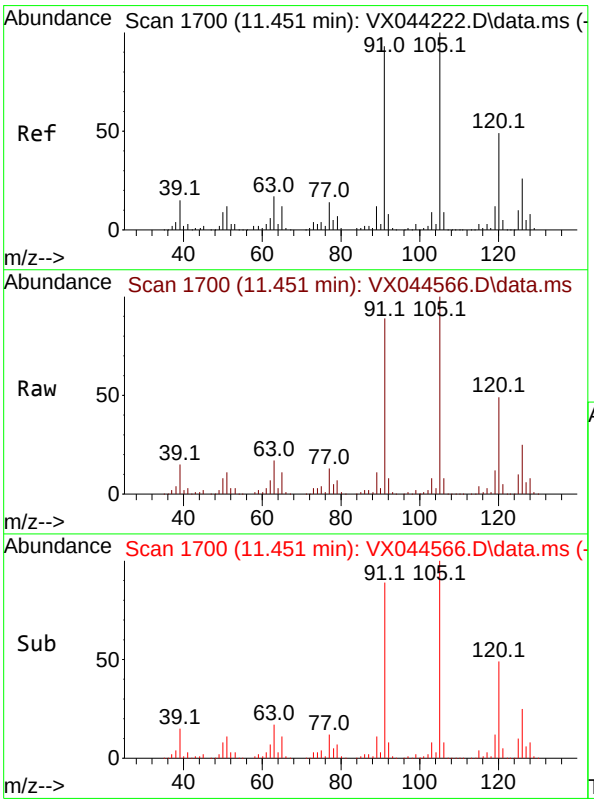
#79
2-Chlorotoluene
Concen: 46.103 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 245736

Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.4	49.1

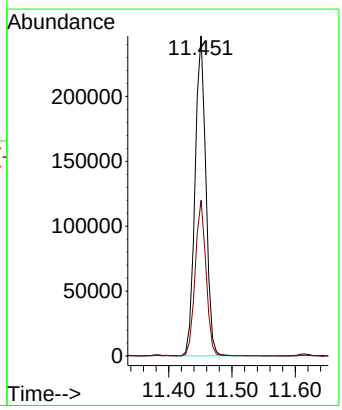


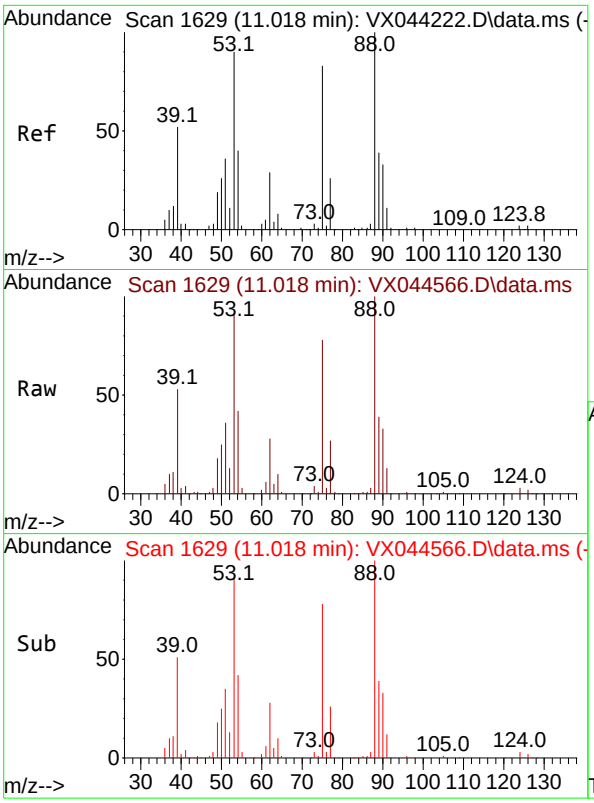


#80
1,3,5-Trimethylbenzene
Concen: 47.642 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:105 Resp: 294610

Ion	Ratio	Lower	Upper
105	100		
120	48.6	23.8	71.4



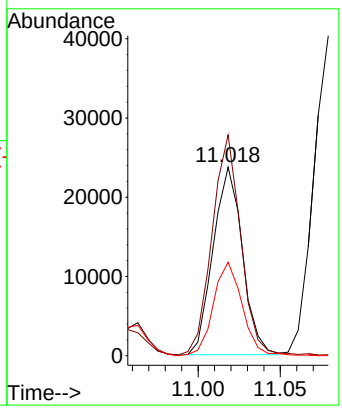


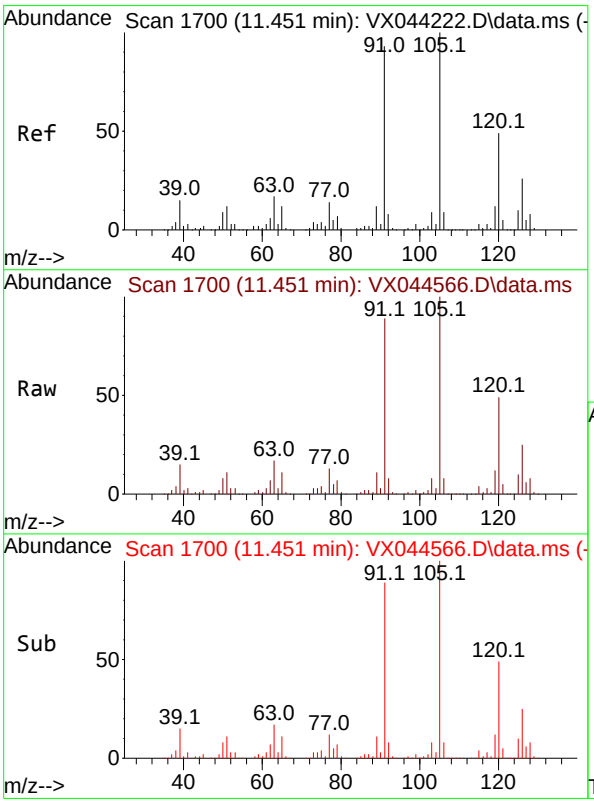
#81
trans-1,4-Dichloro-2-butene
Concen: 39.990 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 29397

Ion	Ratio	Lower	Upper
75	100		
53	114.7	93.6	140.4
89	48.9	37.3	55.9

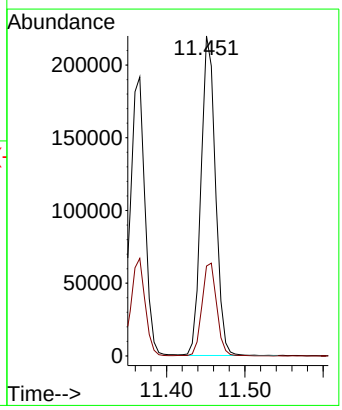


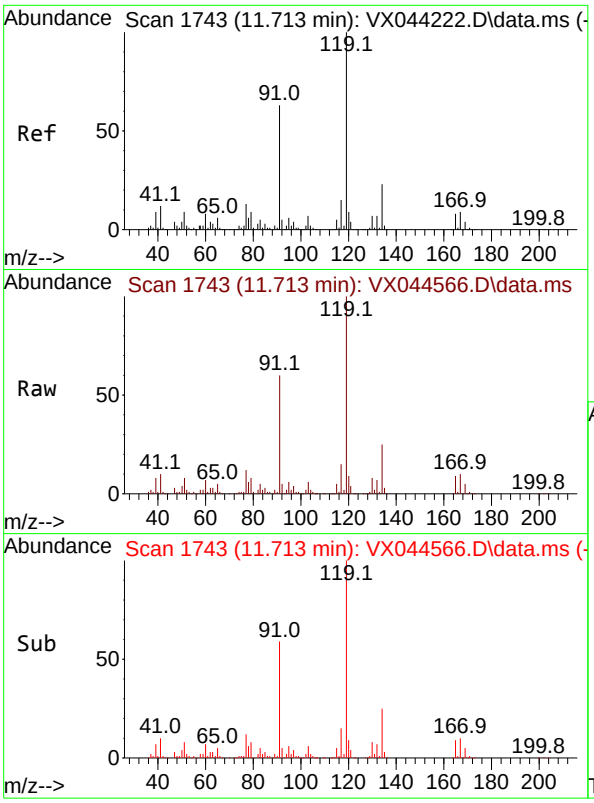


#82
4-Chlorotoluene
Concen: 47.540 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 91 Resp: 280598

Ion	Ratio	Lower	Upper
91	100		
126	29.9	14.5	43.5



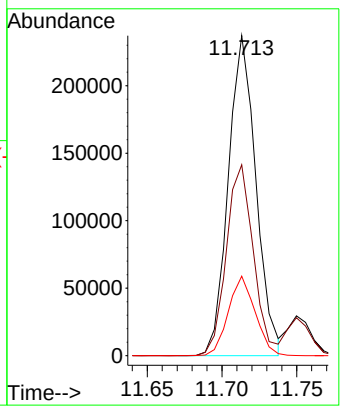


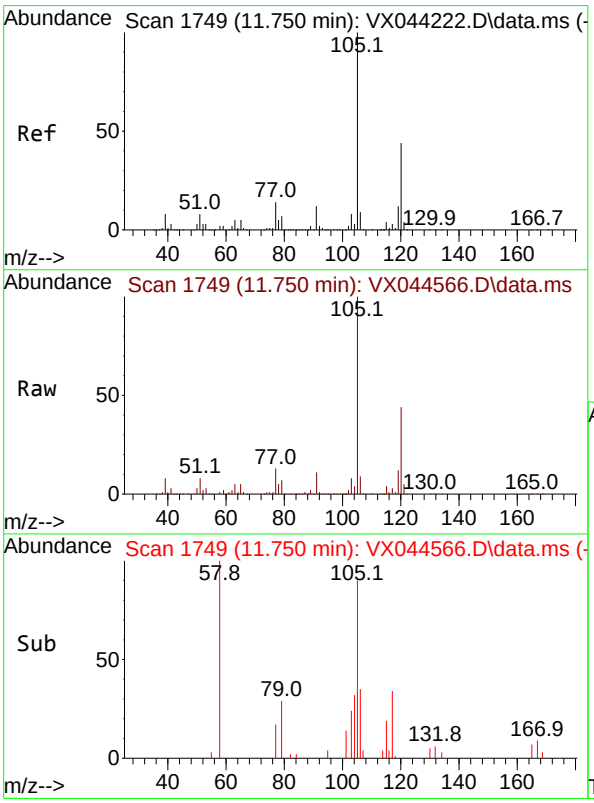
#83
tert-Butylbenzene
Concen: 49.903 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 304970

Ion	Ratio	Lower	Upper
119	100		
91	58.6	30.9	92.5
134	24.1	11.5	34.4

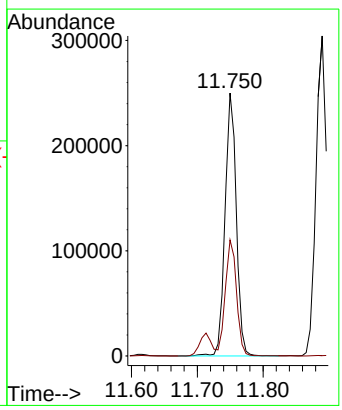


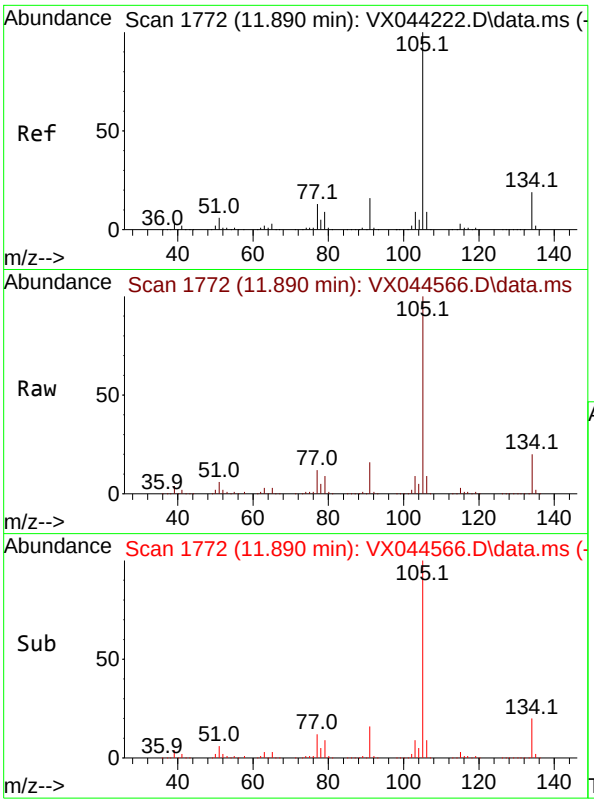


#84
1,2,4-Trimethylbenzene
Concen: 49.168 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:105 Resp: 298601

Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.7	65.1



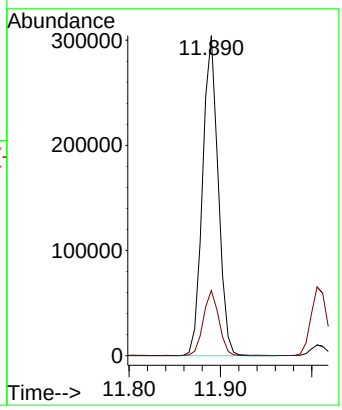


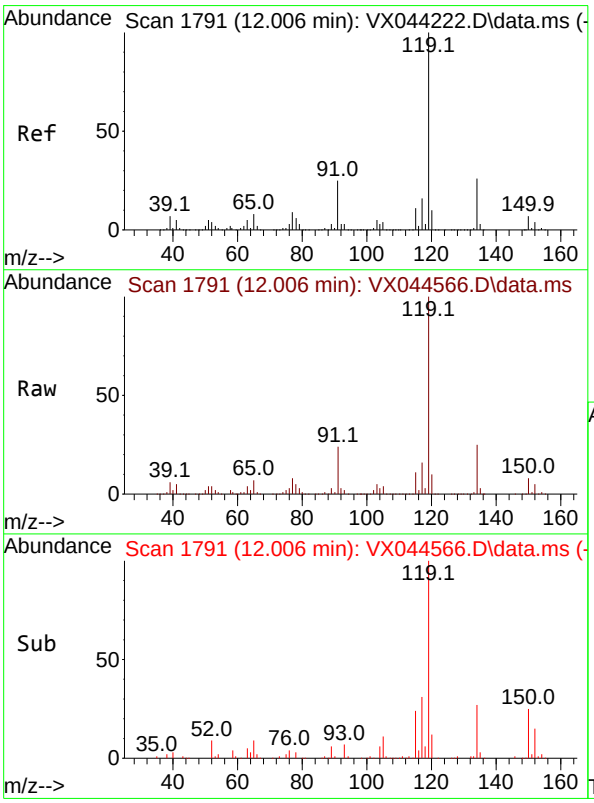
#85
sec-Butylbenzene
Concen: 48.496 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 359795

Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.8	29.4

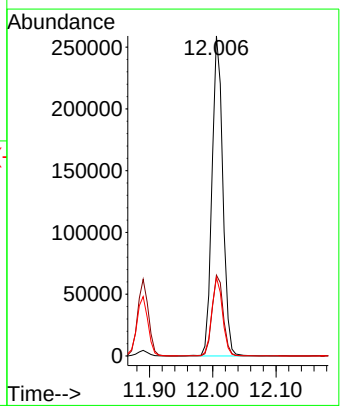


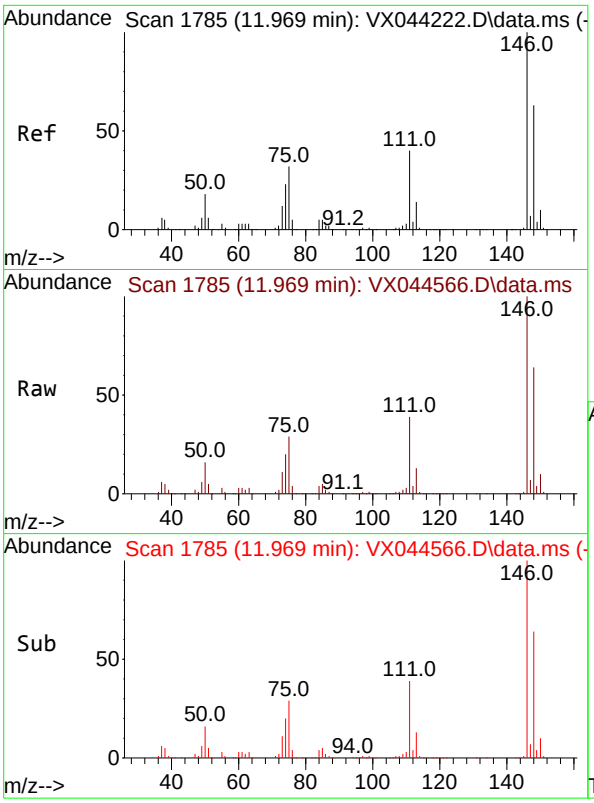


#86
p-Isopropyltoluene
Concen: 49.920 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:119 Resp: 308256

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.8	38.4
91	24.5	13.0	39.0



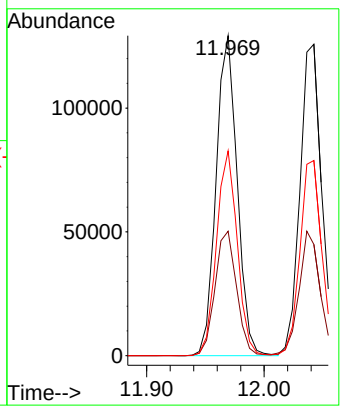


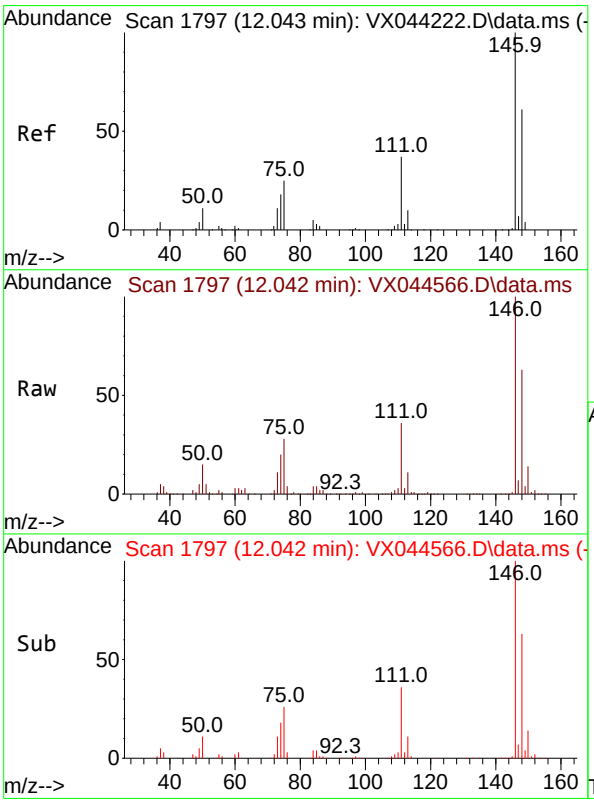
#87
1,3-Dichlorobenzene
Concen: 51.117 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 161456

Ion	Ratio	Lower	Upper
146	100		
111	39.9	21.4	64.2
148	62.9	31.7	95.1

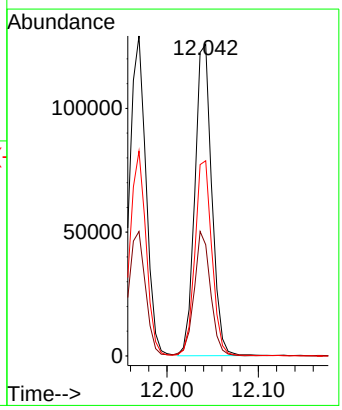


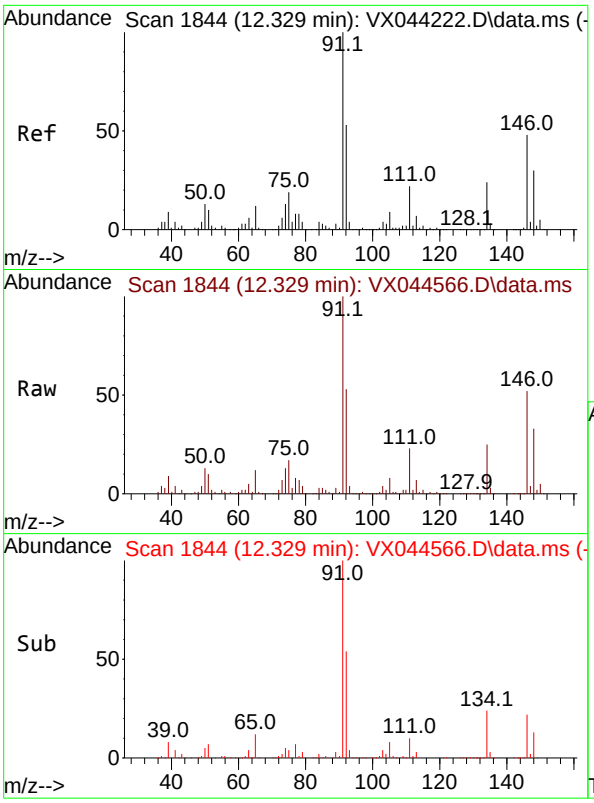


#88
1,4-Dichlorobenzene
Concen: 49.842 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:146 Resp: 161835

Ion	Ratio	Lower	Upper
146	100		
111	38.7	21.0	63.0
148	63.0	32.3	96.8



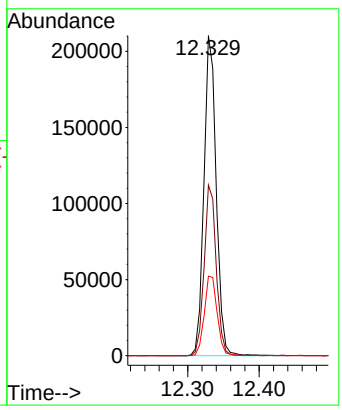


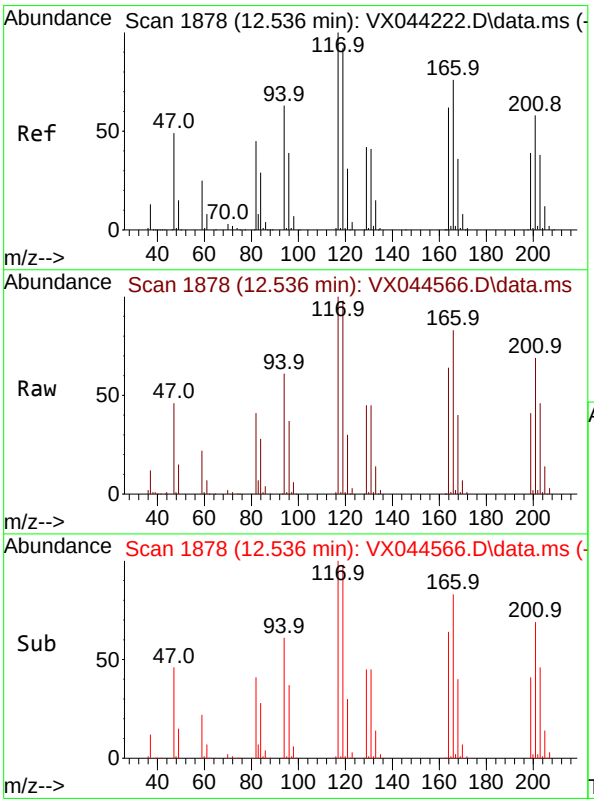
#89
n-Butylbenzene
Concen: 48.337 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 250983

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.6	79.7
134	26.2	12.6	37.8

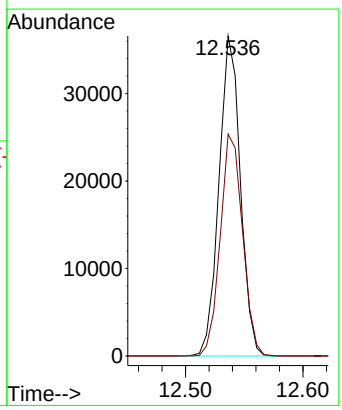


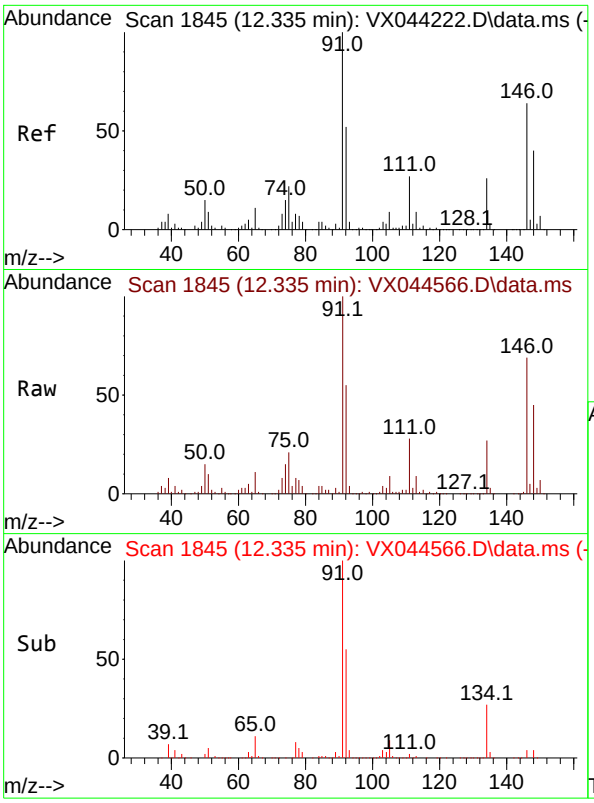


#90
Hexachloroethane
Concen: 51.321 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:117 Resp: 46260

Ion	Ratio	Lower	Upper
117	100		
201	72.4	31.4	94.2



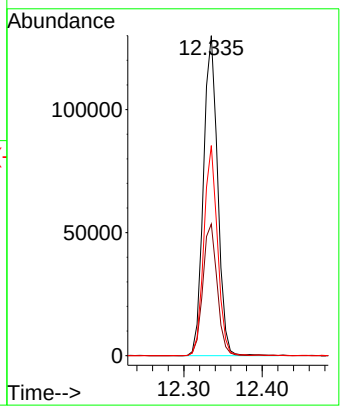


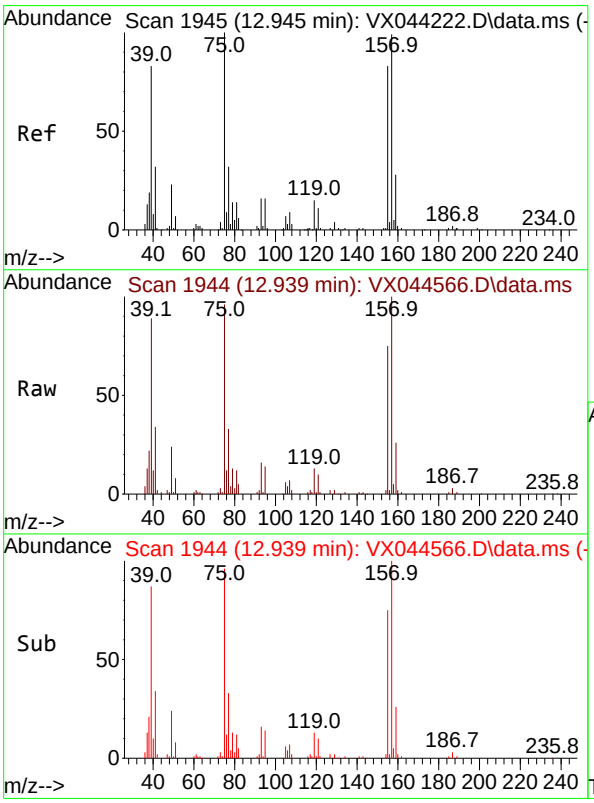
#91
1,2-Dichlorobenzene
Concen: 49.824 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 163405

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.4	64.3
148	63.2	31.6	95.0

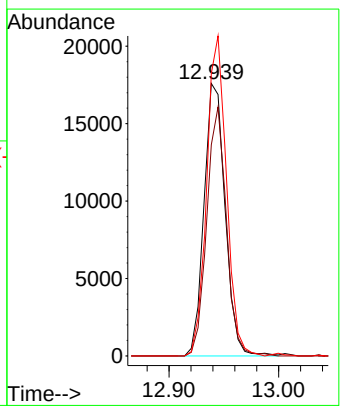


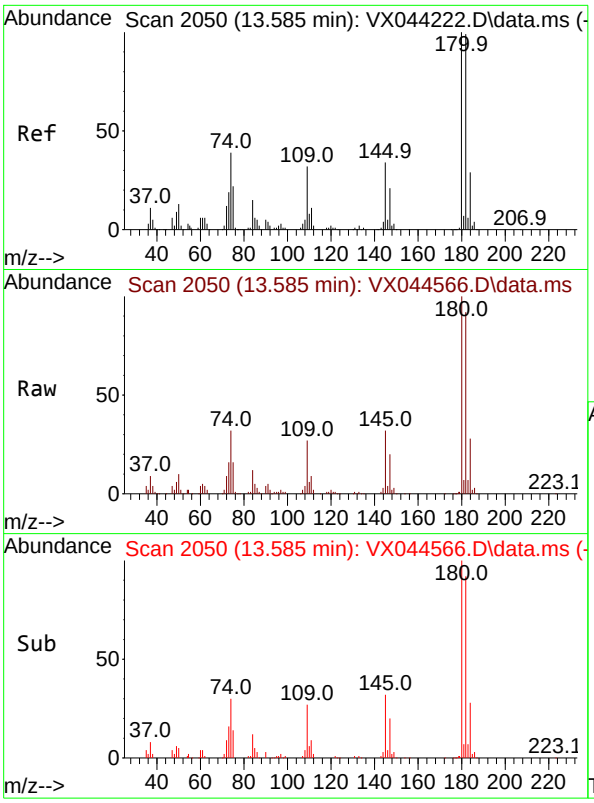


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.766 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion: 75 Resp: 23513

Ion	Ratio	Lower	Upper
75	100		
155	85.1	38.1	114.3
157	110.2	47.2	141.6



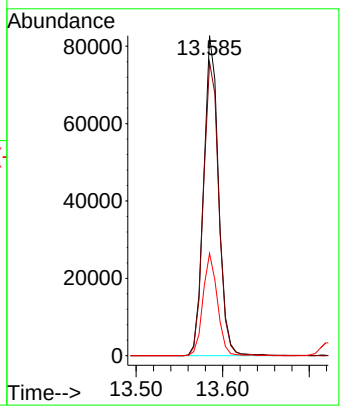


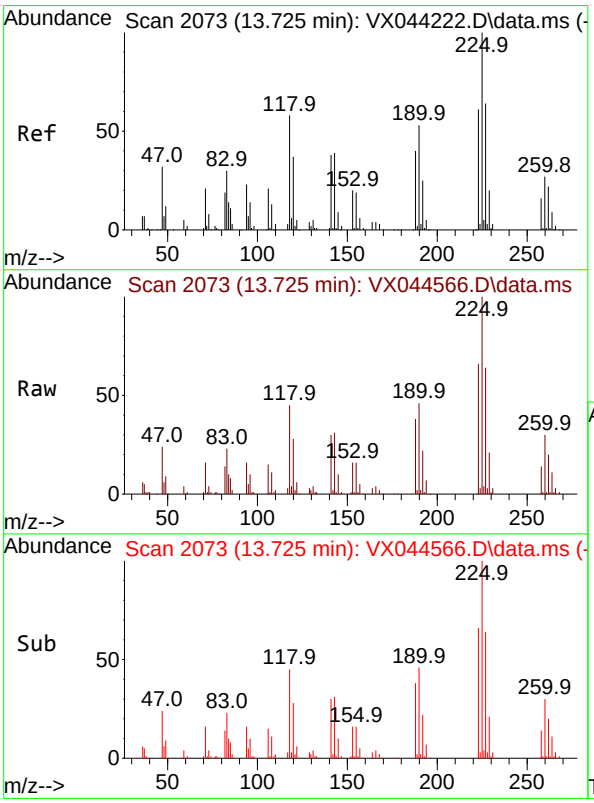
#93
1,2,4-Trichlorobenzene
Concen: 54.853 ug/l
RT: 13.585 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 98627

Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.0	144.2
145	31.0	16.6	49.7

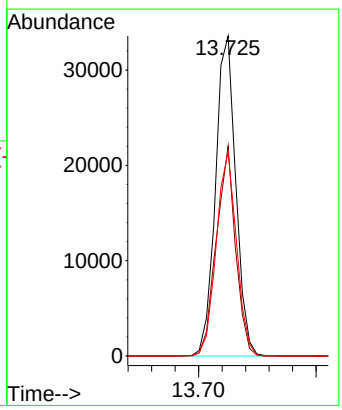


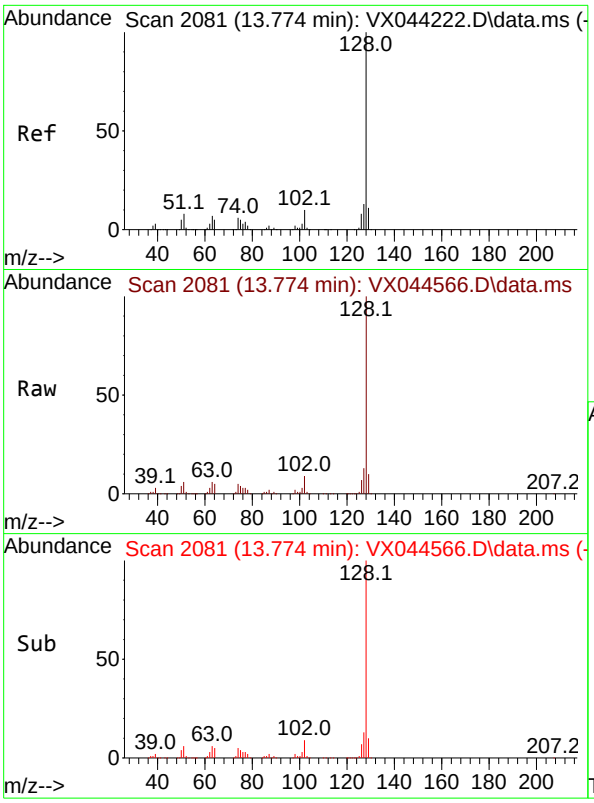


#94
Hexachlorobutadiene
Concen: 55.678 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:225 Resp: 40268

Ion	Ratio	Lower	Upper
225	100		
223	62.0	30.8	92.4
227	63.7	32.1	96.3



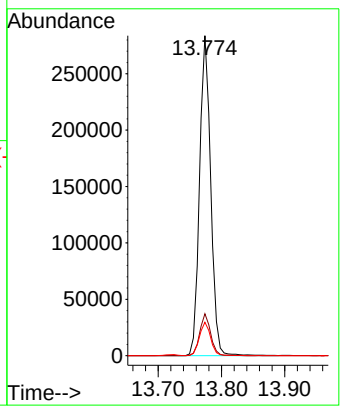


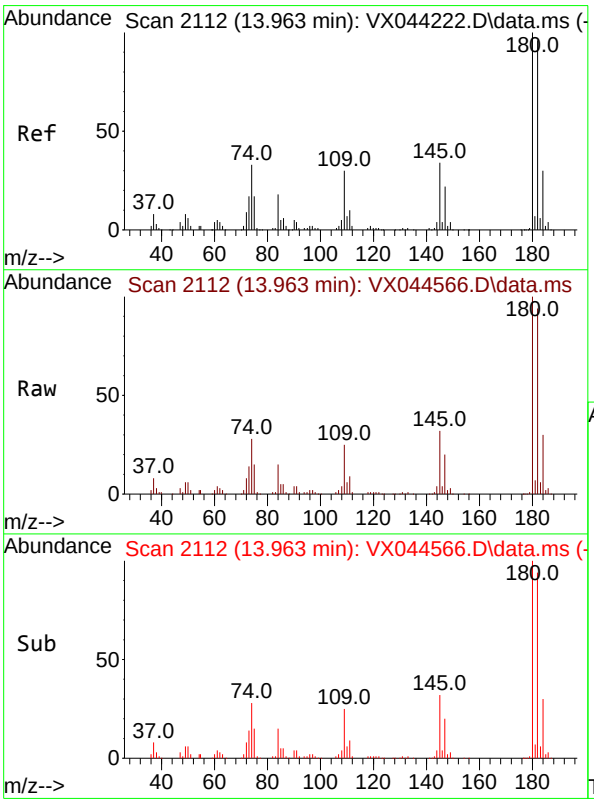
#95
Naphthalene
Concen: 49.679 ug/l
RT: 13.774 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 348668

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.5	9.0	13.4





#96
1,2,3-Trichlorobenzene
Concen: 54.300 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX044566.D
Acq: 30 Dec 2024 23:54

Tgt Ion:180 Resp: 103555

Ion	Ratio	Lower	Upper
180	100		
182	91.5	48.0	144.0
145	31.7	17.7	53.1